



## Full Power Mode for WWAN

GSM850 Ant0 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.41	33.52	32.47	33.50	23.41	23.52	23.47	24.50
GPRS 1 Tx slot	32.33	32.49	32.44	33.50	23.33	23.49	23.44	24.50
GPRS 2 Tx slots	29.28	29.37	29.41	30.50	23.28	23.37	23.41	24.50
GPRS 3 Tx slots	27.47	27.51	27.58	28.50	23.21	23.25	23.32	24.24
GPRS 4 Tx slots	26.41	26.08	26.35	27.50	23.41	23.08	23.35	24.50
EDGE 1 Tx slot	26.25	26.09	26.30	27.50	17.25	17.09	17.30	18.50
EDGE 2 Tx slots	23.32	23.22	23.34	24.50	17.32	17.22	17.34	18.50
EDGE 3 Tx slots	21.62	21.56	21.45	22.50	17.36	17.30	17.19	18.24
EDGE 4 Tx slots	20.77	20.65	20.65	21.50	17.77	17.63	17.65	18.50

WCDMA V Ant0 Default

Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4162	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	825.4	830.4	845.0	
3GPP Rel 99 RMC 12.2kops	24.76	24.88	24.75	25.50
3GPP Rel 99 RMC 12.2kops	24.90	24.93	24.88	25.50
3GPP Rel 6 HSDPA Subtest-1	23.69	24.01	23.90	24.50
3GPP Rel 6 HSDPA Subtest-2	23.81	23.93	23.86	24.50
3GPP Rel 6 HSDPA Subtest-3	23.20	23.50	23.34	24.00
3GPP Rel 6 HSDPA Subtest-4	23.29	23.50	23.33	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	23.76	23.98	23.92	24.50
3GPP Rel 6 DC-HSDPA Subtest-2	23.81	23.92	23.76	24.50
3GPP Rel 6 DC-HSDPA Subtest-3	23.22	23.43	23.37	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	23.30	23.45	23.41	24.00
3GPP Rel 6 HSUPA Subtest-1	23.76	23.89	23.90	24.50
3GPP Rel 6 HSUPA Subtest-2	21.72	21.91	21.88	22.50
3GPP Rel 6 HSUPA Subtest-3	22.73	23.01	22.83	23.50
3GPP Rel 6 HSUPA Subtest-4	21.73	21.93	21.88	22.50
3GPP Rel 6 HSUPA Subtest-5	23.76	23.89	23.68	24.50
3GPP Rel 7 HSPA+ (EQAM) Subtest-1	21.50	21.34	21.25	22.00



Band 4 Ant0 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up (dB)	MPE (dB)					
Channel									Turn-up (dB)	MPE (dB)			
Frequency (MHz)	1700	1712.5	1725						24	0			
20	QPSK	1	0	22.92	22.92	22.92							
20	QPSK	1	49	22.92	22.92	22.92							
20	QPSK	1	99	22.78	22.82	22.82							
20	QPSK	50	0	21.97	22.05	21.91							
20	QPSK	50	194	21.94	21.94	21.88							
20	QPSK	50	239	21.79	21.90	21.83							
20	QPSK	100	0	21.92	21.97	21.82							
20	QPSK	100	99	21.88	21.92	21.83							
20	HQAM	1	49	21.90	21.93	21.89							
20	HQAM	1	99	21.84	21.88	21.77							
20	HQAM	50	0	20.72	20.86	20.78							
20	HQAM	50	24	20.74	20.83	20.70							
20	HQAM	50	99	20.58	20.91	20.86							
20	HQAM	100	0	20.84	20.94	20.85							
20	HQAM	100	99	20.91	20.98	20.89							
20	HQAM	1	49	20.96	20.90	20.85							
20	HQAM	1	99	20.76	20.83	20.83							
20	HQAM	50	0	19.83	19.96	19.90							
20	HQAM	50	24	19.95	19.89	19.83							
20	HQAM	50	99	19.74	19.85	19.79							
20	HQAM	100	0	19.88	19.91	19.80							
20	HQAM	100	99	19.84	19.91	19.83							
20	255QAM	1	49	17.86	17.86	17.84							
20	255QAM	1	99	17.81	17.88	17.73							
20	255QAM	50	0	17.71	17.85	17.83							
20	255QAM	50	24	17.78	17.88	17.78							
20	255QAM	50	99	17.61	17.90	17.82							
20	255QAM	100	0	17.68	17.82	17.82							
20	255QAM	100	99	17.62	17.82	17.82							
Channel									20.93	20.93	20.93		
Frequency (MHz)	1717.5	1732.5	1747.5						Turn-up (dB)	MPE (dB)			
15	QPSK	1	0	22.83	22.88	22.78							
15	QPSK	1	49	22.87	22.77	22.77							
15	QPSK	1	99	22.64	22.74	22.73							
15	QPSK	50	0	21.91	21.91	21.85							
15	QPSK	50	24	21.84	21.86	21.84							
15	QPSK	50	99	21.68	21.75	21.77							
15	HQAM	1	49	21.84	21.94	21.87							
15	HQAM	1	99	21.74	21.87	21.82							
15	HQAM	50	0	21.81	21.81	21.87							
15	HQAM	50	24	21.71	21.82	21.83							
15	HQAM	50	99	20.66	20.75	20.71							
15	HQAM	100	0	20.72	20.71	20.57							
15	HQAM	100	99	20.58	20.72	20.67							
15	HQAM	1	49	20.73	20.87	20.77							
15	HQAM	1	99	20.57	20.84	20.77							
15	HQAM	50	0	19.78	19.78	19.78							
15	HQAM	50	24	19.83	19.83	19.79							
15	HQAM	50	99	19.59	19.75	19.65							
15	HQAM	100	0	19.62	19.82	19.74							
15	HQAM	100	99	19.78	19.82	19.78							
15	255QAM	1	49	17.71	17.78	17.72							
15	255QAM	1	99	17.78	17.75	17.65							
15	255QAM	50	0	17.73	17.86	17.83							
15	255QAM	50	24	17.67	17.77	17.74							
15	255QAM	50	99	17.57	17.75	17.70							
15	255QAM	100	0	17.64	17.82	17.82							
Channel									20.93	20.93	20.93		
Frequency (MHz)	1715	1732.5	1750						Turn-up (dB)	MPE (dB)			
10	QPSK	1	0	22.87	22.87	22.87							
10	QPSK	1	49	22.79	22.88	22.72							
10	QPSK	1	99	22.67	22.77	22.77							
10	QPSK	50	0	21.91	21.96	21.85							
10	QPSK	50	24	21.78	21.79	21.72							
10	QPSK	50	99	21.61	21.77	21.72							
10	HQAM	1	49	21.84	21.90	21.85							
10	HQAM	1	99	21.80	21.81	21.74							
10	HQAM	50	0	20.61	20.82	20.75							
10	HQAM	50	24	20.66	20.79	20.67							
10	HQAM	50	99	20.74	20.78	20.72							
10	HQAM	100	0	20.75	20.82	20.80							
10	HQAM	100	99	20.67	20.83	20.85							
10	HQAM	1	49	20.78	20.82	20.78							
10	HQAM	1	99	20.71	20.75	20.68							
10	HQAM	50	0	19.77	19.83	19.86							
10	HQAM	50	24	19.72	19.78	19.73							
10	HQAM	50	99	19.51	19.79	19.75							
10	HQAM	100	0	19.78	19.87	19.75							
10	HQAM	100	99	19.71	19.81	19.73							
10	255QAM	1	49	17.76	17.75	17.74							
10	255QAM	1	99	17.78	17.75	17.60							
10	255QAM	50	0	17.73	17.84	17.81							
10	255QAM	50	24	17.62	17.74	17.73							
10	255QAM	50	99	17.52	17.83	17.88							
10	255QAM	100	0	17.68	17.86	17.86							
Channel									19.975	19.975	19.975		
Frequency (MHz)	1712.5	1732.5	1752.5						Turn-up (dB)	MPE (dB)			
5	QPSK	1	0	22.74	22.85	22.77							
5	QPSK	1	49	22.67	22.77	22.73							
5	QPSK	1	99	22.42	22.52	22.53							
5	QPSK	50	0	21.82	21.91	21.85							
5	QPSK	50	24	21.64	21.91	21.77							
5	QPSK	50	99	21.48	21.87	21.71							
5	HQAM	1	49	21.81	21.92	21.82							
5	HQAM	1	99	21.79	21.88	21.85							
5	HQAM	50	0	20.78	20.86	20.74							
5	HQAM	50	24	20.76	20.77	20.64							
5	HQAM	50	99	20.75	20.82	20.82							
5	HQAM	100	0	20.75	20.87	20.82							
5	HQAM	100	99	20.73	20.83	20.74							
5	HQAM	1	49	20.85	20.78	20.71							
5	HQAM	1	99	20.76	20.89	20.82							
5	HQAM	50	0	19.79	19.79	19.73							
5	HQAM	50	24	19.86	19.79	19.68							
5	HQAM	50	99	19.79	19.88	19.74							
5	255QAM	1	49	17.68	17.82	17.81							
5	255QAM	1	99	17.83	17.79	17.80							
5	255QAM	50	0	17.71	17.82	17.85							
5	255QAM	50	24	17.61	17.79	17.85							
5	255QAM	50	99	17.57	17.84	17.73							
5	255QAM	100	0	17.68	17.86	17.86							
Channel									19.965	19.978	19.981		
Frequency (MHz)	1711.5	1732.5	1753.5						Turn-up (dB)	MPE (dB)			
3	QPSK	1	0	22.74	22.85	22.77							
3	QPSK	1	49	22.67	22.85	22.74							
3	QPSK	1	99	22.42	22.52	22.53							
3	QPSK	50	0	21.82	21.91	21.85							
3	QPSK	50	24	21.64	21.91	21.77							
3	QPSK	50	99	21.48	21.87	21.71							
3	HQAM	1	49	21.81	21.92	21.82							
3	HQAM	1	99	21.79	21.88	21.85							
3	HQAM	50	0	20.78	20.86	20.74							
3	HQAM	50	24	20.76	20.77	20.64							
3	HQAM	50	99	20.75	20.82	20.82							
3	HQAM	100	0	20.75	20.87	20.82							
3	HQAM	100	99	20.73	20.83	20.74							
3	HQAM	1	49	20.85	20.78	20.71							
3	HQAM	1	99	20.76	20.89	20.82							
3	HQAM	50	0	19.79	19.79	19.73							
3	HQAM	50	24	19.86	19.79	19.68							
3	HQAM	50	99	19.79	19.88	19.74							
3	255QAM	1	49	17.68	17.82	17.81							
3	255QAM	1	99	17.83	17.79	17.80							
3	255QAM	50	0	17.71	17.82	17.85							
3	255QAM	50	24	17.61	17.79	17.85							



Band 13 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.63	23.63	23.63	24.5	0		
10	QPSK	1	25	23.63	23.63	23.63				
10	QPSK	1	49	23.64	23.64	23.64				
10	QPSK	25	0	23.67	23.67	23.67	23.5	1		
10	QPSK	25	25	23.69	23.69	23.69				
10	QPSK	25	50	23.71	23.71	23.71				
10	QPSK	50	0	23.73	23.73	23.73	23.5	1		
10	QPSK	50	25	23.75	23.75	23.75				
10	16QAM	1	25	22.59	22.59	22.59	23.5	1		
10	16QAM	5	49	22.52	22.52	22.52				
10	16QAM	1	49	21.44	21.44	21.44	22.5	2		
10	16QAM	25	12	21.50	21.50	21.50				
10	16QAM	25	25	21.50	21.50	21.50				
10	16QAM	50	0	21.57	21.57	21.57	21.5	3		
10	16QAM	50	25	21.58	21.58	21.58				
10	16QAM	1	25	21.49	21.49	21.49	22.5	2		
10	16QAM	1	49	21.44	21.44	21.44				
10	16QAM	25	0	20.50	20.50	20.50	21.5	3		
10	16QAM	25	12	20.49	20.49	20.49				
10	16QAM	25	25	20.50	20.50	20.50				
10	16QAM	50	0	20.53	20.53	20.53				
10	16QAM	50	25	20.54	20.54	20.54				
10	256QAM	1	25	18.63	18.63	18.63	19.5	5		
10	256QAM	1	49	18.58	18.58	18.58				
10	256QAM	25	12	18.60	18.60	18.60	18.5	5		
10	256QAM	25	25	18.60	18.60	18.60				
10	256QAM	50	0	18.64	18.64	18.64				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.38	23.60	23.43	24.5	0		
5	QPSK	1	12	23.35	23.49	23.45				
5	QPSK	1	24	23.34	23.47	23.39				
5	QPSK	12	0	22.49	22.58	22.51	23.5	1		
5	QPSK	12	7	22.35	22.46	22.32				
5	QPSK	12	13	22.45	22.59	22.45				
5	QPSK	25	0	22.46	22.53	22.43	23.5	1		
5	16QAM	1	25	22.47	22.51	22.37	23.5	1		
5	16QAM	1	12	22.41	22.53	22.37				
5	16QAM	12	0	21.53	21.57	21.40	22.5	2		
5	16QAM	12	7	21.31	21.39	21.38				
5	16QAM	12	13	21.51	21.47	21.28				
5	16QAM	25	0	20.33	20.38	20.38	21.5	3		
5	16QAM	25	12	20.32	20.41	20.38				
5	16QAM	25	13	20.32	20.38	20.38				
5	16QAM	50	0	20.33	20.48	20.38				
5	256QAM	1	12	18.47	18.65	18.43	19.5	5		
5	256QAM	1	24	18.38	18.65	18.45				
5	256QAM	12	0	18.51	18.63	18.45				
5	256QAM	12	7	18.48	18.63	18.37				
5	256QAM	12	13	18.48	18.43	18.43	18.5	5		
5	256QAM	25	0	18.48	18.43	18.43				

Band 17 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.94	24.70	24.59	25.5	0		
10	QPSK	1	25	24.47	24.64	24.59				
10	QPSK	1	49	24.36	24.56	24.58				
10	QPSK	25	0	23.50	23.66	23.58	24.5	1		
10	QPSK	25	25	23.52	23.70	23.63				
10	QPSK	25	50	23.55	23.52	23.51				
10	QPSK	50	0	23.50	23.62	23.50	24.5	1		
10	QPSK	50	25	23.52	23.59	23.71				
10	16QAM	1	25	23.44	23.57	23.55	24.5	1		
10	16QAM	1	49	23.50	23.81	23.47				
10	16QAM	25	12	22.52	22.70	22.57	23.5	2		
10	16QAM	25	12	22.59	22.58	22.51				
10	16QAM	25	25	22.58	22.58	22.64				
10	16QAM	50	0	22.48	22.60	22.56	23.5	2		
10	16QAM	50	25	22.58	22.78	22.67				
10	16QAM	1	25	22.43	22.54	22.49	23.5	2		
10	16QAM	1	49	22.40	22.50	22.41				
10	16QAM	25	0	21.51	21.84	21.48	22.5	3		
10	16QAM	25	12	21.48	21.91	21.51				
10	16QAM	25	25	21.44	21.61	21.51				
10	16QAM	50	0	21.43	21.60	21.48	22.5	3		
10	16QAM	50	25	21.44	21.65	21.64				
10	256QAM	1	25	19.50	19.50	19.55	20.5	5		
10	256QAM	1	49	19.52	19.60	19.53				
10	256QAM	25	12	19.52	19.68	19.58				
10	256QAM	25	12	19.56	19.63	19.57	20.5	5		
10	256QAM	25	25	19.48	19.67	19.60				
10	256QAM	50	0	19.52	19.58	19.31				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.38	24.56	24.50	25.5	0		
5	QPSK	1	12	24.41	24.59	24.51				
5	QPSK	1	24	24.47	24.49	24.54				
5	QPSK	12	0	23.45	23.55	23.48	24.5	1		
5	QPSK	12	7	23.48	23.57	23.40				
5	QPSK	12	13	23.47	23.38	23.46				
5	QPSK	25	0	22.46	22.59	22.59	24.5	1		
5	QPSK	25	12	23.63	23.71	23.61				
5	16QAM	1	12	23.35	23.51	23.47	24.5	1		
5	16QAM	12	0	22.43	22.66	22.51	23.5	2		
5	16QAM	12	7	22.51	22.50	22.57				
5	16QAM	12	13	22.52	22.47	22.49				
5	16QAM	25	0	22.42	22.56	22.44	23.5	2		
5	16QAM	25	12	22.44	22.84	22.62				
5	16QAM	25	13	21.44	21.46	21.43	22.5	3		
5	16QAM	25	13	21.40	21.45	21.44				
5	16QAM	50	0	21.32	21.50	21.43	22.5	3		
5	16QAM	50	12	19.51	19.44	19.49	20.5	5		
5	256QAM	1	12	19.40	19.45	19.44	20.5	5		
5	256QAM	1	24	19.44	19.45	19.44				
5	256QAM	12	0	19.41	19.54	19.49				
5	256QAM	12	7	19.51	19.40	19.43	20.5	5		
5	256QAM	12	13	19.40	19.52	19.67				
5	256QAM	25	0	19.45	19.46	19.45				

Band 26 Ant0 for FCC Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPE (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.35	24.58	24.41	25.5	0		
15	QPSK	1	37	24.30	24.43	24.43				
15	QPSK	1	74	24.35	24.49	24.49				
15	QPSK	36	0	23.38	23.50	23.33	24.5	1		
15	QPSK	36	20	23.32	23.52	23.41				
15	QPSK	36	39	23.39	23.48	23.38				
15	QPSK	75	0	23.26	23.47	23.37	24.5	1		
15	QPSK	75	20	23.24	23.52	23.42				
15	16QAM	1	37	23.28	23.27	23.23	24.5	1		
15	16QAM	1	74	23.23	23.27	23.28				
15	16QAM	36	0	22.21	22.43	22.32	23.5	2		
15	16QAM	36	20	22.27	22.34	22.27				
15	16QAM	36	39	22.24	22.37	22.31				
15	16QAM	75	0	22.28	22.35	22.31	23.5	2		
15	16QAM	75	20	22.42	22.53	22.49				
15	16QAM	1	37	22.26	22.36	22.36	23.5	2		
15	16QAM	1	74	22.34	22.39	22.37				
15	16QAM	36	0	21.31	21.48	21.36	22.5	3		
15	16QAM	36	20	21.35	21.33	21.38				
15	16QAM	36	39	21.31	21.43	21.38				
15	16QAM	75	0							



### Band 38 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								
Channel Frequency (MHz)				3760	3800	3810		
20	QPSK	1	0	22.60	22.66	22.62	23.5	0
20	QPSK	1	49	22.54	22.62	22.51		
20	QPSK	1	99	22.53	22.53	22.81		
20	QPSK	50	0	21.32	21.56	21.40	22.5	1
20	QPSK	50	24	21.36	21.50	21.43		
20	QPSK	50	50	21.36	21.48	21.52		
20	QPSK	100	0	21.32	21.56	21.40	22.5	1
20	16QAM	1	49	21.48	21.54	21.53		
20	16QAM	1	49	21.40	21.46	21.36	22.5	1
20	16QAM	1	99	21.29	21.44	21.47		
20	16QAM	50	0	20.32	20.46	20.36	21.5	2
20	16QAM	50	24	20.30	20.41	20.33		
20	16QAM	50	50	20.28	20.40	20.30		
20	16QAM	100	0	20.32	20.33	20.32	21.5	2
20	64QAM	1	49	20.44	20.51	20.55		
20	64QAM	1	49	20.43	20.54	20.37	21.5	2
20	64QAM	1	99	20.44	20.45	20.50		
20	64QAM	50	0	19.36	19.51	19.40	20.5	3
20	64QAM	50	24	19.30	19.45	19.44		
20	64QAM	50	50	19.38	19.47	19.41		
20	64QAM	100	0	19.34	19.45	19.40	20.5	3
20	256QAM	1	0	17.33	17.42	17.43	18.5	5
20	256QAM	1	49	17.38	17.48	17.44		
20	256QAM	1	99	17.42	17.51	17.36		
20	256QAM	50	0	17.32	17.54	17.48	18.5	5
20	256QAM	50	24	17.42	17.44	17.44		
20	256QAM	50	50	17.44	17.42	17.34		
20	256QAM	100	0	17.40	17.44	17.42	18.5	5
Channel								
Channel Frequency (MHz)				3765	3800	3810		
15	QPSK	1	0	22.47	22.56	22.49	23.0	0
15	QPSK	1	37	22.51	22.56	22.42		
15	QPSK	1	74	22.46	22.41	22.55		
15	QPSK	36	0	21.30	21.49	21.33	22.5	1
15	QPSK	36	20	21.26	21.37	21.37		
15	QPSK	36	39	21.30	21.37	21.48		
15	QPSK	75	0	21.21	21.45	21.46	22.5	1
15	16QAM	1	37	21.34	21.41	21.41		
15	16QAM	1	37	21.28	21.32	21.25	22.5	1
15	16QAM	1	74	21.20	21.36	21.37		
15	16QAM	36	0	20.19	20.34	20.32	21.5	2
15	16QAM	36	20	20.27	20.36	20.32		
15	16QAM	36	39	20.19	20.29	20.21		
15	16QAM	75	0	20.24	20.24	20.29	21.5	2
15	16QAM	75	0	20.27	20.34	20.31		
15	16QAM	1	37	20.35	20.34	20.33	21.5	2
15	64QAM	1	74	20.29	20.38	20.39		
15	64QAM	36	0	19.21	19.45	19.34	20.5	3
15	64QAM	36	20	19.27	19.36	19.39		
15	64QAM	36	39	19.28	19.39	19.37		
15	64QAM	75	0	19.26	19.32	19.36	18.5	5
15	256QAM	1	0	17.25	17.35	17.29		
15	256QAM	1	49	17.28	17.38	17.34		
15	256QAM	1	74	17.29	17.41	17.21	18.5	5
15	256QAM	36	0	17.28	17.48	17.40		
15	256QAM	36	20	17.38	17.30	17.33		
15	256QAM	36	39	17.34	17.36	17.34	18.5	5
15	256QAM	75	0	17.34	17.32	17.34		
Channel								
Channel Frequency (MHz)				3760	3800	3800		
10	QPSK	1	0	22.48	22.59	22.51	23.0	0
10	QPSK	1	25	22.50	22.55	22.38		
10	QPSK	1	49	22.50	22.40	22.56		
10	QPSK	25	0	21.34	21.41	21.43	22.5	1
10	QPSK	25	12	21.22	21.35	21.30		
10	QPSK	25	25	21.31	21.36	21.40		
10	QPSK	50	0	21.25	21.47	21.33	22.5	1
10	16QAM	1	25	21.38	21.45	21.49		
10	16QAM	1	25	21.22	21.38	21.26	22.5	1
10	16QAM	1	49	21.20	21.38	21.44		
10	16QAM	25	0	20.24	20.42	20.23	21.5	2
10	16QAM	25	12	20.25	20.36	20.20		
10	16QAM	25	25	20.19	20.25	20.26		
10	16QAM	50	0	20.24	20.24	20.26	21.5	2
10	64QAM	1	0	20.29	20.41	20.52		
10	64QAM	1	25	20.23	20.36	20.26	21.5	2
10	64QAM	1	49	20.39	20.38	20.40		
10	64QAM	25	0	19.22	19.45	19.33	20.5	3
10	64QAM	25	12	19.35	19.31	19.29		
10	64QAM	25	25	19.31	19.40	19.36		
10	64QAM	50	0	19.30	19.34	19.26	18.5	5
10	256QAM	1	0	17.24	17.36	17.34		
10	256QAM	1	25	17.31	17.38	17.31	18.5	5
10	256QAM	1	49	17.29	17.40	17.42		
10	256QAM	25	0	17.20	17.40	17.42		
10	256QAM	25	12	17.28	17.33	17.26	18.5	5
10	256QAM	25	25	17.36	17.36	17.34		
10	256QAM	50	0	17.27	17.38	17.37	18.5	5
Channel								
Channel Frequency (MHz)				3775	3800	3800		
5	QPSK	1	0	22.46	22.53	22.57	23.0	0
5	QPSK	1	12	22.42	22.55	22.45		
5	QPSK	1	24	22.43	22.45	22.46		
5	QPSK	12	0	21.31	21.52	21.30	22.5	1
5	QPSK	12	7	21.28	21.43	21.39		
5	QPSK	12	13	21.30	21.37	21.42		
5	QPSK	25	0	21.22	21.43	21.25	22.5	1
5	16QAM	1	0	21.38	21.44	21.40	22.5	1
5	16QAM	1	12	21.30	21.34	21.34		
5	16QAM	1	24	21.15	21.38	21.43		
5	16QAM	12	0	20.21	20.42	20.30	21.5	2
5	16QAM	12	7	20.21	20.28	20.24		
5	16QAM	12	13	20.22	20.26	20.18	21.5	2
5	16QAM	25	0	20.26	20.25	20.24		
5	64QAM	1	0	20.33	20.44	20.47		
5	64QAM	1	12	20.38	20.43	20.41	21.5	2
5	64QAM	1	24	20.30	20.33	20.44		
5	64QAM	12	0	19.29	19.40	19.32	20.5	3
5	64QAM	12	7	19.33	19.32	19.39		
5	64QAM	12	13	19.25	19.33	19.37		
5	64QAM	25	0	19.25	19.41	19.36	18.5	5
5	256QAM	1	0	17.25	17.29	17.38		
5	256QAM	1	12	17.28	17.40	17.40	18.5	5
5	256QAM	1	24	17.27	17.40	17.22		
5	256QAM	12	0	17.25	17.47	17.44		
5	256QAM	12	7	17.35	17.30	17.35	18.5	5
5	256QAM	12	13	17.33	17.37	17.23		
5	256QAM	25	0	17.33	17.30	17.32	18.5	5

### Band 41 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								
Channel Frequency (MHz)				3970	4016	4020		
20	QPSK	1	0	22.68	22.81	22.72	23.5	0
20	QPSK	1	49	22.61	22.58	22.64		
20	QPSK	1	99	22.51	22.56	22.59		
20	QPSK	50	0	21.44	21.36	21.56	22.5	1
20	QPSK	50	24	21.45	21.49	21.48		
20	QPSK	50	50	21.43	21.43	21.61		
20	QPSK	100	0	21.43	21.36	21.56	22.5	1
20	16QAM	1	49	21.44	21.55	21.55	22.5	1
20	16QAM	1	49	21.42	21.28	21.45		
20	16QAM	1	99	21.29	21.30	21.34		
20	16QAM	50	0	20.30	20.36	20.40	21.5	2
20	16QAM	50	24	20.36	20.41	20.44		
20	16QAM	50	50	20.29	20.44	20.49		
20	16QAM	100	0	20.38	20.40	20.50	21.5	2
20	64QAM	1	49	20.34	20.33	20.71	21.5	2
20	64QAM	1	49	20.31	20.39	20.44		
20	64QAM	1	99	20.39	20.32	20.49		
20	64QAM	50	0	19.47	19.48	19.58	20.5	3
20	64QAM	50	24	19.29	19.45	19.40		
20	64QAM	50	50	19.39	19.43	19.45		
20	64QAM	100	0	19.38	19.50	19.45	20.5	3
20	256QAM	1	0	17.39	17.43	17.47	18.5	5
20	256QAM	1	49	17.48	17.49	17.39		



**GSM850 Ant1 Default**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	82.2	83.4	84.6	32.50	33.2	33.4	33.4	33.50
GSM 1 Tx slot	32.25	32.15	32.18	32.50	23.25	23.19	23.18	23.50
GPRS 1 Tx slot	32.22	32.16	32.06	32.50	23.22	23.16	23.06	23.50
GPRS 2 Tx slots	29.13	29.11	28.97	29.50	23.13	23.11	22.97	23.50
GPRS 3 Tx slots	27.15	27.23	26.93	27.50	22.89	22.97	22.67	23.24
GPRS 4 Tx slots	25.98	26.24	26.12	26.50	22.98	23.24	23.12	23.50
EDGE 1 Tx slot	25.91	26.04	25.92	26.50	16.91	17.04	16.92	17.50
EDGE 2 Tx slots	22.85	23.11	22.86	23.50	16.85	17.11	16.86	17.50
EDGE 3 Tx slots	21.21	21.25	21.08	21.50	16.95	16.99	16.82	17.24
EDGE 4 Tx slots	20.32	20.37	20.10	20.50	17.32	17.37	17.16	17.50

**WCDMA V Ant1 Default**

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4162	4233	
Rx Channel	4357	4407	4456	
Frequency (MHz)	883.4	883.4	845.6	
3GPP Rel 99 RMC 12.2kbps	24.29	24.34	24.25	25.00
3GPP Rel 99 RMC 12.2kbps	24.41	24.43	24.32	25.00
3GPP Rel 6 HSDPA Subtest-1	23.31	23.52	23.24	24.00
3GPP Rel 6 HSDPA Subtest-2	23.19	23.45	23.31	24.00
3GPP Rel 6 HSDPA Subtest-3	22.85	22.95	22.70	23.50
3GPP Rel 6 HSDPA Subtest-4	22.92	22.73	22.91	23.50
3GPP Rel 6 DCHSDPA Subtest-1	23.36	23.46	23.19	24.00
3GPP Rel 6 DCHSDPA Subtest-2	23.22	23.40	23.44	24.00
3GPP Rel 6 DCHSDPA Subtest-3	22.73	22.86	22.76	23.50
3GPP Rel 6 DCHSDPA Subtest-4	22.98	22.87	22.79	23.50
3GPP Rel 6 HSUPA Subtest-1	23.42	23.46	23.22	24.00
3GPP Rel 6 HSUPA Subtest-2	21.23	21.38	21.34	22.00
3GPP Rel 6 HSUPA Subtest-3	22.25	22.43	22.41	23.00
3GPP Rel 6 HSUPA Subtest-4	21.39	21.44	21.27	22.00
3GPP Rel 6 HSUPA Subtest-5	23.15	23.49	23.25	24.00
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	20.75	20.79	20.65	21.50



Band 5 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 20450 20525 20600										
Frequency (MHz)										
10	QPSK	1	0	24.13	24.21	24.26				
10	QPSK	1	25	24.10	24.08	24.07			25	0
10	QPSK	1	49	23.98	24.09	24.12				
10	QPSK	25	0	23.98	23.98	23.98				
10	QPSK	25	12	22.98	23.05	23.11				
10	QPSK	25	25	23.05	23.12	23.09			24	1
10	QPSK	50	0	22.95	23.12	22.94				
10	16QAM	1	0	23.09	23.25	23.18				
10	16QAM	1	25	23.12	23.23	23.09			24	1
10	16QAM	1	49	23.13	23.13	23.10				
10	16QAM	25	0	22.09	22.20	22.11				
10	16QAM	25	12	22.07	22.13	22.11				
10	16QAM	25	25	22.02	22.16	22.08			23	2
10	16QAM	50	0	22.02	22.17	22.09				
10	84QAM	1	0	22.15	22.21	22.24				
10	84QAM	1	25	22.14	22.16	22.16			23	2
10	84QAM	1	49	22.08	22.18	22.17				
10	84QAM	25	0	21.02	21.23	21.06				
10	84QAM	25	12	21.10	21.09	21.09				
10	84QAM	25	25	21.09	21.10	21.05			22	3
10	84QAM	50	0	21.10	21.10	21.13				
10	256QAM	1	0	19.04	19.09	19.00				
10	256QAM	1	25	19.06	19.08	19.00			20	5
10	256QAM	1	49	18.97	19.07	18.98				
10	256QAM	25	0	18.98	19.17	19.03				
10	256QAM	25	12	19.04	19.06	19.06				
10	256QAM	25	25	18.96	19.13	19.03			20	5
10	256QAM	50	0	18.95	19.11	19.06				
Channel 20425 20525 20625										
Frequency (MHz)										
5	QPSK	1	0	24.09	24.11	24.01				
5	QPSK	1	12	23.97	24.01	23.92			25	0
5	QPSK	1	24	23.87	24.04	24.08				
5	QPSK	12	0	22.97	23.07	22.97				
5	QPSK	12	7	22.90	22.96	22.97			24	1
5	QPSK	12	13	23.00	23.07	23.03				
5	QPSK	25	0	22.85	23.03	22.89				
5	16QAM	1	0	23.03	23.10	23.10				
5	16QAM	1	12	22.97	23.18	23.05			24	1
5	16QAM	1	24	23.00	23.00	23.07				
5	16QAM	12	0	21.98	22.14	21.96				
5	16QAM	12	7	21.93	22.06	22.07			23	2
5	16QAM	12	13	21.87	22.10	21.95				
5	16QAM	25	0	21.89	21.94	21.95				
5	84QAM	1	0	22.09	22.15	22.13				
5	84QAM	1	12	22.05	22.08	22.10			23	2
5	84QAM	1	24	22.03	22.07	22.11				
5	84QAM	12	0	20.92	21.18	20.97				
5	84QAM	12	7	21.06	21.06	21.05			22	3
5	84QAM	12	13	21.06	21.04	20.95				
5	84QAM	25	0	21.01	21.06	20.99				
5	256QAM	1	0	18.96	18.97	18.91				
5	256QAM	1	12	19.01	18.97	18.88			20	5
5	256QAM	1	24	18.91	18.92	18.95				
5	256QAM	12	0	18.93	19.08	18.98				
5	256QAM	12	7	18.91	19.04	18.97			20	5
5	256QAM	12	13	18.85	19.08	18.88				
5	256QAM	25	0	18.86	19.02	18.97				
Channel 20415 20525 20635										
Frequency (MHz)										
3	QPSK	1	0	24.05	24.13	24.05				
3	QPSK	1	8	23.97	24.01	23.94			25	0
3	QPSK	1	14	23.90	23.95	24.04				
3	QPSK	8	0	22.98	23.04	22.97				
3	QPSK	8	4	22.83	22.90	22.98			24	1
3	QPSK	8	7	22.97	22.99	23.04				
3	QPSK	15	0	22.83	22.90	22.90				
3	16QAM	1	0	23.00	23.17	23.10				
3	16QAM	1	8	23.02	23.16	22.99			24	1
3	16QAM	1	14	23.03	23.03	23.01				
3	16QAM	8	0	21.99	22.15	22.02				
3	16QAM	8	7	22.08	22.18	22.08			23	2
3	16QAM	8	4	22.08	22.18	22.08				
3	16QAM	15	0	21.83	22.11	22.01				
3	16QAM	15	0	21.88	22.04	22.04				
3	84QAM	1	0	22.08	22.09	22.15				
3	84QAM	1	8	22.10	22.08	22.02			23	2
3	84QAM	1	14	22.02	22.12	22.03				
3	84QAM	8	0	20.93	21.16	20.98				
3	84QAM	8	4	21.01	21.04	20.98			22	3
3	84QAM	8	7	21.03	20.97	20.92				
3	84QAM	15	0	20.95	21.07	21.08				
3	256QAM	1	0	18.92	19.00	18.90				
3	256QAM	1	8	19.02	19.03	18.95			20	5
3	256QAM	1	14	18.91	18.95	18.95				
3	256QAM	8	0	18.91	19.08	18.93				
3	256QAM	8	4	18.98	19.01	18.94			20	5
3	256QAM	8	7	18.91	19.06	18.99				
3	256QAM	15	0	18.91	18.97	19.02				
Channel 23007 23035 23043										
Frequency (MHz)										
14	QPSK	1	0	24.04	24.15	23.92				
14	QPSK	1	3	24.04	23.96	24.01				
14	QPSK	1	5	23.84	23.95	24.05			25	0
14	QPSK	3	0	23.92	24.04	23.95				
14	QPSK	3	3	23.93	24.05	24.02				
14	QPSK	6	0	22.90	23.04	22.84			24	1
14	16QAM	1	0	23.00	23.11	23.10				
14	16QAM	1	3	22.99	23.10	23.01				
14	16QAM	1	5	22.99	23.09	22.96			24	1
14	16QAM	3	0	22.97	23.06	23.01				
14	16QAM	3	1	22.99	23.07	22.96				
14	16QAM	3	3	22.94	23.13	23.01				
14	16QAM	6	0	21.88	22.04	22.04			23	2
14	84QAM	1	0	22.04	22.14	22.16				
14	84QAM	1	3	22.02	22.04	22.13				
14	84QAM	1	5	21.95	22.07	22.09			23	2
14	84QAM	3	0	21.94	22.14	21.99				
14	84QAM	3	1	22.05	22.00	22.02				
14	84QAM	3	3	21.98	21.96	21.93				
14	84QAM	6	0	20.99	21.02	21.07			22	3
14	256QAM	1	0	18.90	19.00	18.91				
14	256QAM	1	3	18.98	19.04	18.96			20	5
14	256QAM	1	5	18.83	18.96	18.85				
14	256QAM	3	0	18.84	19.12	18.91				
14	256QAM	3	1	18.92	18.97	19.00				
14	256QAM	3	3	18.88	19.00	18.91			20	5
14	256QAM	6	0	18.92	18.96	19.01				

Band 12 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 23030 23035 23130										
Frequency (MHz)										
10	QPSK	1	0	24.27	24.31	24.24				
10	QPSK	1	25	24.13	24.24	24.20			25.5	0
10	QPSK	1	49	24.13	24.26	24.13				
10	QPSK	25	0	23.15	23.27	23.09				
10	QPSK	25	12	23.15	23.19	23.18			24.5	1
10	QPSK	25	25	23.15	23.12	23.08				
10	QPSK	50	0	23.02	23.22	23.07				
10	16QAM	1	0	23.25	23.39	23.32				
10	16QAM	1	25	23.18	23.24	23.21			24.5	1
10	16QAM	1	49	23.13	23.28	23.17				
10	16QAM	25	0	22.18	22.32	22.14				
10	16QAM	25	12	22.20	22.23	22.13			23.5	2
10	16QAM	25	25	22.11	22.18	22.14				



Band 17 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				23750	23750	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.12	24.20	24.23			
10	QPSK	1	25	24.10	24.16	24.07	25	0	
10	QPSK	1	49	24.07	24.21	24.12			
10	QPSK	25	0	23.04	23.02	23.05			
10	QPSK	25	12	23.06	23.14	23.06			
10	QPSK	25	25	23.04	23.16	23.07	24	1	
10	QPSK	50	0	22.98	23.11	23.04			
10	16QAM	1	0	23.12	23.14	23.20			
10	16QAM	1	25	23.07	23.15	23.04	24	1	
10	16QAM	1	49	23.00	23.10	23.10			
10	16QAM	25	0	21.95	22.16	22.06			
10	16QAM	25	12	21.96	22.10	22.06			
10	16QAM	25	25	21.97	22.06	22.03	23	2	
10	16QAM	50	0	21.97	22.01	22.04			
10	64QAM	1	0	22.13	22.26	22.17			
10	64QAM	1	25	22.05	22.12	22.11	23	2	
10	64QAM	1	49	22.03	22.11	22.13			
10	64QAM	25	0	21.07	21.21	21.02			
10	64QAM	25	12	21.09	21.17	21.02			
10	64QAM	25	25	21.00	21.13	21.04	22	3	
10	64QAM	50	0	21.04	21.09	21.08			
10	256QAM	1	0	18.97	19.09	19.09			
10	256QAM	1	25	18.97	19.14	18.99	20	5	
10	256QAM	1	49	18.98	19.12	19.07			
10	256QAM	25	0	18.95	19.17	19.00			
10	256QAM	25	12	19.00	19.07	18.99			
10	256QAM	25	25	19.02	19.12	19.09	20	5	
10	256QAM	50	0	18.94	19.04	19.06			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.05	24.16	24.17			
5	QPSK	1	12	24.07	24.04	23.94	25	0	
5	QPSK	1	24	23.98	24.06	23.93			
5	QPSK	12	0	22.96	23.18	22.94			
5	QPSK	12	7	22.97	23.02	22.92	24	1	
5	QPSK	12	13	22.92	23.05	22.95			
5	QPSK	25	0	22.88	22.97	22.92			
5	16QAM	1	0	22.96	23.02	23.12			
5	16QAM	1	12	23.02	23.11	22.95	24	1	
5	16QAM	1	24	22.97	23.00	23.01			
5	16QAM	12	0	21.83	22.05	21.98			
5	16QAM	12	7	21.93	22.05	21.97	23	2	
5	16QAM	12	13	21.92	21.99	21.91			
5	16QAM	25	0	21.83	21.99	21.95			
5	64QAM	1	0	22.00	22.19	22.06			
5	64QAM	1	12	22.01	22.00	22.06	23	2	
5	64QAM	1	24	21.98	22.07	22.01			
5	64QAM	12	0	20.97	21.11	20.92			
5	64QAM	12	7	21.04	21.11	20.97			
5	64QAM	12	13	20.95	20.99	20.95	22	3	
5	64QAM	25	0	20.90	21.03	21.03			
5	256QAM	1	0	18.90	19.01	19.05			
5	256QAM	1	12	18.90	19.04	18.85	20	5	
5	256QAM	1	24	18.85	19.00	19.00			
5	256QAM	12	0	18.84	19.07	18.92			
5	256QAM	12	7	18.95	18.97	18.85			
5	256QAM	12	13	18.94	19.07	19.05	20	5	
5	256QAM	25	0	18.89	18.96	18.92			

Band 26 Ant1 for FCC 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.18	24.25	24.07			
15	QPSK	1	37	24.04	24.15	24.07	25.7	0	
15	QPSK	1	74	24.12	24.14	24.12			
15	QPSK	36	0	23.07	23.24	23.08			
15	QPSK	36	20	23.07	23.12	23.08			
15	QPSK	36	39	23.10	23.17	23.08	24.7	1	
15	QPSK	75	0	23.01	23.16	23.05			
15	16QAM	1	0	23.23	23.25	23.28			
15	16QAM	1	37	23.06	23.19	23.09	24.7	1	
15	16QAM	1	74	23.04	23.21	23.05			
15	16QAM	36	0	22.04	22.25	22.17			
15	16QAM	36	20	22.03	22.12	22.11			
15	16QAM	36	39	22.04	22.12	22.10	23.7	2	
15	16QAM	75	0	22.04	22.16	22.10			
15	64QAM	1	0	22.16	22.29	22.24			
15	64QAM	1	37	22.03	22.14	22.10	23.7	2	
15	64QAM	1	74	22.08	22.11	22.08			
15	64QAM	36	0	21.01	21.21	21.05			
15	64QAM	36	20	21.03	21.11	21.10			
15	64QAM	36	39	21.10	21.12	21.05	22.7	3	
15	64QAM	50	0	21.01	21.12	21.07			
15	256QAM	1	0	19.10	19.15	19.15			
15	256QAM	1	37	19.09	19.20	19.12	20.7	5	
15	256QAM	1	74	19.14	19.11	19.08			
15	256QAM	36	0	19.05	19.25	19.13			
15	256QAM	36	20	19.08	19.20	19.12			
15	256QAM	36	39	19.10	19.17	19.16	20.7	5	
15	256QAM	75	0	19.07	19.12	19.08			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.05	24.21	24.00			
10	QPSK	1	25	23.91	24.09	23.99	25.7	0	
10	QPSK	1	49	24.08	24.03	23.98			
10	QPSK	25	0	22.96	23.14	23.02			
10	QPSK	25	12	22.98	22.99	22.93	24.7	1	
10	QPSK	25	25	23.00	23.04	22.98			
10	QPSK	50	0	22.88	23.06	22.96			
10	16QAM	1	0	23.16	23.21	23.24			
10	16QAM	1	25	23.04	23.12	23.06	24.7	1	
10	16QAM	1	49	22.90	23.08	22.90			
10	16QAM	25	0	21.94	22.11	22.05			
10	16QAM	25	12	21.97	21.99	22.01	23.7	2	
10	16QAM	25	25	21.99	22.03	21.99			
10	16QAM	50	0	21.91	22.13	21.94			
10	64QAM	1	0	22.02	22.15	22.13			
10	64QAM	1	25	21.92	22.02	21.96	23.7	2	
10	64QAM	1	49	22.03	22.01	21.99			
10	64QAM	25	0	20.97	21.18	20.96			
10	64QAM	25	12	21.00	21.09	20.95			
10	64QAM	25	25	21.00	21.09	20.95	22.7	3	
10	64QAM	50	0	20.89	21.01	20.97			
10	256QAM	1	0	19.07	19.06	19.09			
10	256QAM	1	25	18.97	19.05	19.01	20.7	5	
10	256QAM	1	49	19.10	19.03	18.96			
10	256QAM	12	0	19.03	19.21	19.04			
10	256QAM	12	7	19.01	19.12	19.03			
10	256QAM	12	13	19.04	19.04	19.05	20.7	5	
10	256QAM	50	0	19.03	18.99	19.03			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				813.5	831.5	849.5			
5	QPSK	1	0	24.06	24.21	23.96			
5	QPSK	1	12	23.90	24.06	23.96	25.7	0	
5	QPSK	1	24	24.05	24.05	23.97			
5	QPSK	12	0	22.93	23.15	23.00			
5	QPSK	12	7	22.92	23.03	23.01	24.7	1	
5	QPSK	12	13	23.01	23.10	23.02			
5	QPSK	25	0	22.93	23.13	22.93			
5	16QAM	1	0	23.10	23.17	23.17			
5	16QAM	1	12	23.01	23.15	22.94	24.7	1	
5	16QAM	1	24	22.95	23.13	23.01			
5	16QAM	12	0	21.92	22.19	22.14			
5	16QAM	12	7	21.91	22.00	22.03	23.7	2	
5	16QAM	12	13	21.95	21.98	22.06			
5	16QAM	25	0	21.94	22.11	22.02			
5	64QAM	1							



**GSM1900 Ant3 Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1852.2	31.00	1852.2	1850	1852.2	31.00
GSM 1 Tx slots	29.88	30.11	30.12	31.00	29.88	21.11	21.12	22.00
GPRS 1 Tx slots	29.84	30.01	30.03	31.00	29.84	21.01	21.03	22.00
GPRS 2 Tx slots	26.71	26.64	26.68	27.50	20.71	20.64	20.68	21.50
GPRS 3 Tx slots	24.54	24.61	24.42	25.50	20.28	20.35	20.16	21.24
GPRS 4 Tx slots	23.88	24.00	24.13	24.50	20.69	21.09	21.13	21.50
EDGE 1 Tx slots	25.37	25.42	25.56	27.00	16.37	16.42	16.56	18.00
EDGE 2 Tx slots	22.21	22.28	22.30	24.00	16.21	16.28	16.30	18.00
EDGE 3 Tx slots	20.12	20.31	20.15	22.00	15.86	16.05	15.89	17.74
EDGE 4 Tx slots	19.44	19.54	19.20	21.00	16.44	16.54	16.20	18.00

**WCDMA II Ant3 Default**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1512	1413	1513	
Rx Channel	9662	9600	9538	1557	1638	1738		
Frequency (MHz)	1852.2	1850	1852.2	1723.4	1723.6	1723.6		
3GPP Rel 99 AMR 12.2Kbps	24.68	24.77	24.71	25.50	24.69	24.75	24.64	
3GPP Rel 99 RMC 12.2Kbps	24.81	24.88	24.74	25.50	24.60	24.68	24.82	
3GPP Rel 8 HSDPA Subtest-1	23.80	23.80	23.70	24.50	23.53	23.91	23.78	
3GPP Rel 8 HSDPA Subtest-2	23.80	23.89	23.72	24.50	23.65	23.72	23.77	
3GPP Rel 6 HSDPA Subtest-3	23.14	23.41	23.27	24.00	23.15	23.26	23.18	
3GPP Rel 6 HSDPA Subtest-4	23.20	23.32	23.26	24.00	23.12	23.37	23.14	
3GPP Rel 8 DC-HSDPA Subtest-1	23.62	23.84	23.74	24.50	23.63	23.82	23.68	
3GPP Rel 8 DC-HSDPA Subtest-2	23.68	23.89	23.72	24.50	23.72	23.86	23.72	
3GPP Rel 8 DC-HSDPA Subtest-3	23.05	23.28	23.20	24.00	23.05	23.33	23.23	
3GPP Rel 8 DC-HSDPA Subtest-4	23.12	23.33	23.33	24.00	23.17	23.33	23.26	
3GPP Rel 6 HSUPA Subtest-1	23.86	23.86	23.81	24.50	23.53	23.89	23.70	
3GPP Rel 6 HSUPA Subtest-2	21.72	21.85	21.70	22.50	21.60	21.78	21.76	
3GPP Rel 6 HSUPA Subtest-3	22.66	22.91	22.74	23.50	22.61	22.78	22.67	
3GPP Rel 6 HSUPA Subtest-4	21.55	21.89	21.68	22.50	21.59	21.87	21.68	
3GPP Rel 6 HSUPA Subtest-5	23.58	23.70	23.57	24.50	23.58	23.68	23.61	
3GPP Rel 7 HSPA+ (TQAM) Subtest-1	21.04	21.30	21.21	22.00	21.04	21.19	21.10	





Band 2 Ant3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)	
Channel	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Turn-up (dB)	MPR (dB)	
20	QPSK	1	0	24.28	24.62	24.50			
20	QPSK	1	49	24.54	24.88	24.61			
20	QPSK	1	99	24.80	25.14	24.87			
20	QPSK	1	149	25.06	25.40	25.13			
20	QPSK	50	0	23.48	23.82	23.58			
20	QPSK	50	24	23.74	24.08	23.81			
20	QPSK	50	49	24.00	24.34	24.07			
20	QPSK	50	74	24.26	24.60	24.33			
20	QPSK	100	0	23.53	23.87	23.51			
20	QPSK	100	24	23.79	24.13	23.81			
20	QPSK	100	49	24.05	24.39	24.07			
20	QPSK	100	74	24.31	24.65	24.33			
20	QPSK	150	0	23.58	23.92	23.52			
20	QPSK	150	24	23.84	24.18	23.81			
20	QPSK	150	49	24.10	24.44	24.07			
20	QPSK	150	74	24.36	24.70	24.33			
20	QPSK	150	99	24.62	24.96	24.33			
20	QPSK	150	124	24.88	25.22	24.33			
20	QPSK	150	149	25.14	25.48	24.33			
20	QPSK	150	174	25.40	25.74	24.33			
20	QPSK	150	199	25.66	26.00	24.33			
20	QPSK	150	224	25.92	26.26	24.33			
20	QPSK	150	249	26.18	26.52	24.33			
20	QPSK	150	274	26.44	26.78	24.33			
20	QPSK	150	299	26.70	27.04	24.33			
20	QPSK	150	324	26.96	27.30	24.33			
20	QPSK	150	349	27.22	27.56	24.33			
20	QPSK	150	374	27.48	27.82	24.33			
20	QPSK	150	399	27.74	28.08	24.33			
20	QPSK	150	424	28.00	28.34	24.33			
20	QPSK	150	449	28.26	28.60	24.33			
20	QPSK	150	474	28.52	28.86	24.33			
20	QPSK	150	499	28.78	29.12	24.33			
20	QPSK	150	524	29.04	29.38	24.33			
20	QPSK	150	549	29.30	29.64	24.33			
20	QPSK	150	574	29.56	29.90	24.33			
20	QPSK	150	599	29.82	30.16	24.33			
20	QPSK	150	624	30.08	30.42	24.33			
20	QPSK	150	649	30.34	30.68	24.33			
20	QPSK	150	674	30.60	30.94	24.33			
20	QPSK	150	699	30.86	31.20	24.33			
20	QPSK	150	724	31.12	31.46	24.33			
20	QPSK	150	749	31.38	31.72	24.33			
20	QPSK	150	774	31.64	31.98	24.33			
20	QPSK	150	799	31.90	32.24	24.33			
20	QPSK	150	824	32.16	32.50	24.33			
20	QPSK	150	849	32.42	32.76	24.33			
20	QPSK	150	874	32.68	33.02	24.33			
20	QPSK	150	899	32.94	33.28	24.33			
20	QPSK	150	924	33.20	33.54	24.33			
20	QPSK	150	949	33.46	33.80	24.33			
20	QPSK	150	974	33.72	34.06	24.33			
20	QPSK	150	999	33.98	34.32	24.33			
20	QPSK	150	1024	34.24	34.58	24.33			
20	QPSK	150	1049	34.50	34.84	24.33			
20	QPSK	150	1074	34.76	35.10	24.33			
20	QPSK	150	1099	35.02	35.36	24.33			
20	QPSK	150	1124	35.28	35.62	24.33			
20	QPSK	150	1149	35.54	35.88	24.33			
20	QPSK	150	1174	35.80	36.14	24.33			
20	QPSK	150	1199	36.06	36.40	24.33			
20	QPSK	150	1224	36.32	36.66	24.33			
20	QPSK	150	1249	36.58	36.92	24.33			
20	QPSK	150	1274	36.84	37.18	24.33			
20	QPSK	150	1299	37.10	37.44	24.33			
20	QPSK	150	1324	37.36	37.70	24.33			
20	QPSK	150	1349	37.62	37.96	24.33			
20	QPSK	150	1374	37.88	38.22	24.33			
20	QPSK	150	1399	38.14	38.48	24.33			
20	QPSK	150	1424	38.40	38.74	24.33			
20	QPSK	150	1449	38.66	39.00	24.33			
20	QPSK	150	1474	38.92	39.26	24.33			
20	QPSK	150	1499	39.18	39.52	24.33			
20	QPSK	150	1524	39.44	39.78	24.33			
20	QPSK	150	1549	39.70	40.04	24.33			
20	QPSK	150	1574	39.96	40.30	24.33			
20	QPSK	150	1599	40.22	40.56	24.33			
20	QPSK	150	1624	40.48	40.82	24.33			
20	QPSK	150	1649	40.74	41.08	24.33			
20	QPSK	150	1674	41.00	41.34	24.33			
20	QPSK	150	1699	41.26	41.60	24.33			
20	QPSK	150	1724	41.52	41.86	24.33			
20	QPSK	150	1749	41.78	42.12	24.33			
20	QPSK	150	1774	42.04	42.38	24.33			
20	QPSK	150	1799	42.30	42.64	24.33			
20	QPSK	150	1824	42.56	42.90	24.33			
20	QPSK	150	1849	42.82	43.16	24.33			
20	QPSK	150	1874	43.08	43.42	24.33			
20	QPSK	150	1899	43.34	43.68	24.33			
20	QPSK	150	1924	43.60	43.94	24.33			
20	QPSK	150	1949	43.86	44.20	24.33			
20	QPSK	150	1974	44.12	44.46	24.33			
20	QPSK	150	1999	44.38	44.72	24.33			
20	QPSK	150	2024	44.64	44.98	24.33			
20	QPSK	150	2049	44.90	45.24	24.33			
20	QPSK	150	2074	45.16	45.50	24.33			
20	QPSK	150	2099	45.42	45.76	24.33			
20	QPSK	150	2124	45.68	46.02	24.33			
20	QPSK	150	2149	45.94	46.28	24.33			
20	QPSK	150	2174	46.20	46.54	24.33			
20	QPSK	150	2199	46.46	46.80	24.33			
20	QPSK	150	2224	46.72	47.06	24.33			
20	QPSK	150	2249	46.98	47.32	24.33			
20	QPSK	150	2274	47.24	47.58	24.33			
20	QPSK	150	2299	47.50	47.84	24.33			
20	QPSK	150	2324	47.76	48.10	24.33			
20	QPSK	150	2349	48.02	48.36	24.33			
20	QPSK	150	2374	48.28	48.62	24.33			
20	QPSK	150	2399	48.54	48.88	24.33			
20	QPSK	150	2424	48.80	49.14	24.33			
20	QPSK	150	2449	49.06	49.40	24.33			
20	QPSK	150	2474	49.32	49.66	24.33			
20	QPSK	150	2499	49.58	49.92	24.33			
20	QPSK	150	2524	49.84	50.18	24.33			
20	QPSK	150	2549	50.10	50.44	24.33			
20	QPSK	150	2574	50.36	50.70	24.33			
20	QPSK	150	2599	50.62	50.96	24.33			
20	QPSK	150	2624	50.88	51.22	24.33			
20	QPSK	150	2649	51.14	51.48	24.33			
20	QPSK	150	2674	51.40	51.74	24.33			
20	QPSK	150	2699	51.66	52.00	24.33			
20	QPSK	150	2724	51.92	52.26	24.33			
20	QPSK	150	2749	52.18	52.52	24.33			
20	QPSK	150	2774	52.44	52.78	24.33			
20	QPSK	150	2799	52.70	53.04	24.33			
20	QPSK	150	2824	52.96	53.30	24.33			
20	QPSK	150	2849	53.22	53.56	24.33			
20	QPSK	150	2874	53.48	53.82	24.33			
20	QPSK	150	2899	53.74	54.08	24.33			
20	QPSK	150	2924	54.00	54.34	24.33			
20	QPSK	150	2949	54.26	54.60	24.33			
20	QPSK	150	2974	54.52	54.86	24.33			
20	QPSK	150	2999	54.78	55.12	24.33			
20	QPSK	150	3024	55.04	55.38	24.33	</		



Band 38 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.82	24.69	24.84	25.5	0		
20	QPSK	1	49	24.50	24.61	24.82				
20	QPSK	1	99	24.47	24.64	24.52				
20	QPSK	50	0	23.53	23.69	23.48				
20	QPSK	50	24	23.52	23.99	23.55	24.5	1		
20	QPSK	50	50	23.50	23.52	23.54				
20	QPSK	100	0	23.56	23.69	23.62				
20	16QAM	1	0	23.54	23.65	23.66	24.5	1		
20	16QAM	1	49	23.50	23.60	23.50				
20	16QAM	1	99	23.48	23.53	23.53				
20	16QAM	50	0	22.45	22.64	22.51				
20	16QAM	50	24	22.49	22.50	22.56	23.5	2		
20	16QAM	50	50	22.45	22.59	22.47				
20	16QAM	100	0	22.52	22.59	22.56				
20	64QAM	1	0	22.60	22.62	22.63				
20	64QAM	1	49	22.50	22.58	22.51	23.5	2		
20	64QAM	1	99	22.49	22.61	22.55				
20	64QAM	50	0	21.47	21.66	21.51				
20	64QAM	50	24	21.52	21.51	21.55	22.5	3		
20	64QAM	50	50	21.47	21.56	21.57				
20	64QAM	100	0	21.44	21.60	21.58				
20	256QAM	1	0	19.44	19.58	19.50				
20	256QAM	1	49	19.44	19.55	19.48	20.5	5		
20	256QAM	1	99	19.42	19.53	19.55				
20	256QAM	50	0	19.51	19.63	19.49				
20	256QAM	50	24	19.40	19.54	19.45	20.5	5		
20	256QAM	50	50	19.49	19.55	19.56				
20	256QAM	100	0	19.42	19.51	19.55				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	24.52	24.60	24.58	25.5	0		
15	QPSK	1	37	24.38	24.58	24.51				
15	QPSK	1	74	24.34	24.50	24.47				
15	QPSK	36	0	23.39	23.52	23.35				
15	QPSK	36	20	23.38	23.51	23.49	24.5	1		
15	QPSK	36	39	23.36	23.43	23.46				
15	QPSK	75	0	23.49	23.56	23.57				
15	16QAM	1	0	23.48	23.62	23.57				
15	16QAM	1	37	23.40	23.50	23.38	24.5	1		
15	16QAM	1	74	23.35	23.43	23.46				
15	16QAM	36	0	22.34	22.39	22.42				
15	16QAM	36	20	22.40	22.41	22.51	23.5	2		
15	16QAM	36	39	22.38	22.48	22.36				
15	16QAM	75	0	22.40	22.53	22.44				
15	64QAM	1	0	22.52	22.57	22.54				
15	64QAM	1	37	22.42	22.47	22.40	23.5	2		
15	64QAM	1	74	22.43	22.57	22.41				
15	64QAM	36	0	21.35	21.58	21.46				
15	64QAM	36	20	21.40	21.41	21.51	22.5	3		
15	64QAM	36	39	21.41	21.46	21.53				
15	64QAM	75	0	21.30	21.48	21.53				
15	256QAM	1	0	19.37	19.49	19.39				
15	256QAM	1	37	19.30	19.52	19.37	20.5	5		
15	256QAM	1	74	19.28	19.38	19.44				
15	256QAM	36	0	19.43	19.58	19.39				
15	256QAM	36	20	19.26	19.45	19.32	20.5	5		
15	256QAM	36	39	19.35	19.43	19.45				
15	256QAM	75	0	19.35	19.42	19.44				
Channel				37800	38050	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	24.55	24.59	24.60	25.5	0		
10	QPSK	1	25	24.45	24.50	24.56				
10	QPSK	1	49	24.36	24.54	24.39				
10	QPSK	25	0	23.48	23.55	23.44				
10	QPSK	25	12	23.45	23.46	23.44	24.5	1		
10	QPSK	25	25	23.37	23.42	23.43				
10	QPSK	50	0	23.49	23.57	23.55				
10	16QAM	1	0	23.41	23.52	23.61	24.5	1		
10	16QAM	1	25	23.36	23.52	23.40				
10	16QAM	1	49	23.38	23.40	23.39				
10	16QAM	25	0	22.35	22.49	22.48				
10	16QAM	25	12	22.39	22.40	22.46	23.5	2		
10	16QAM	25	25	22.40	22.49	22.41				
10	16QAM	50	0	22.41	22.53	22.49				
10	64QAM	1	0	22.56	22.55	22.48				
10	64QAM	1	25	22.45	22.48	22.47	23.5	2		
10	64QAM	1	49	22.39	22.54	22.51				
10	64QAM	25	0	21.38	21.55	21.38				
10	64QAM	25	12	21.49	21.39	21.44	22.5	3		
10	64QAM	25	25	21.33	21.60	21.54				
10	64QAM	50	0	21.40	21.55	21.55				
10	256QAM	1	0	19.31	19.54	19.44				
10	256QAM	1	25	19.32	19.41	19.38	20.5	5		
10	256QAM	1	49	19.39	19.50	19.43				
10	256QAM	25	0	19.37	19.52	19.37				
10	256QAM	25	12	19.36	19.45	19.38	20.5	5		
10	256QAM	25	25	19.44	19.41	19.43				
10	256QAM	50	0	19.36	19.47	19.51				
Channel				37775	38000	38225				
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	24.53	24.65	24.57	25.5	0		
5	QPSK	1	12	24.46	24.57	24.50				
5	QPSK	1	24	24.34	24.58	24.48				
5	QPSK	12	0	23.46	23.57	23.42				
5	QPSK	12	7	23.42	23.48	23.48	24.5	1		
5	QPSK	12	13	23.47	23.38	23.41				
5	QPSK	25	0	23.51	23.59	23.47				
5	16QAM	1	0	23.50	23.53	23.54				
5	16QAM	1	12	23.38	23.47	23.38	24.5	1		
5	16QAM	1	24	23.40	23.39	23.43				
5	16QAM	12	0	22.34	22.50	22.43				
5	16QAM	12	7	22.43	22.36	22.53	23.5	2		
5	16QAM	12	13	22.38	22.52	22.35				
5	16QAM	25	0	22.43	22.53	22.43				
5	64QAM	1	0	22.55	22.58	22.51				
5	64QAM	1	12	22.44	22.43	22.36	23.5	2		
5	64QAM	1	24	22.45	22.57	22.42				
5	64QAM	12	0	21.35	21.62	21.40				
5	64QAM	12	7	21.44	21.36	21.44	22.5	3		
5	64QAM	12	13	21.42	21.49	21.48				
5	64QAM	25	0	21.40	21.49	21.53				
5	256QAM	1	0	19.32	19.48	19.42				
5	256QAM	1	12	19.41	19.48	19.40	20.5	5		
5	256QAM	1	24	19.39	19.40	19.40				
5	256QAM	12	0	19.39	19.54	19.44				
5	256QAM	12	7	19.33	19.49	19.31	20.5	5		
5	256QAM	12	13	19.41	19.41	19.47				
5	256QAM	25	0	19.38	19.47	19.46				

Band 41 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.71	24.60	24.81	24.74	24.75	25.5	0
20	QPSK	1	49	24.60	24.68	24.74	24.64	24.62		
20	QPSK	1	99	24.72	24.58	24.77	24.64	24.64		
20	QPSK	50	0	23.75	23.64	23.79	23.69	23.70		
20	QPSK	50	24	23.63	23.66	23.68	23.68	23.68	24.5	1
20	QPSK	50	50	23.64	23.63	23.73	23.62	23.58		
20	QPSK	100	0	23.60	23.51	23.73	23.56	23.69		
20	16QAM	1	0	23.71	23.63	23.75	23.67	23.64	24.5	1
20										



Band 2 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up (min)	MPR (dB)
Channel	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	
20	QPSK	1	0	23.47	23.66	23.44			
20	QPSK	1	9	23.39	23.49	23.39			24.5
20	QPSK	1	18	23.31	23.41	23.31			24.5
20	QPSK	1	27	23.23	23.33	23.23			24.5
20	QPSK	1	36	23.15	23.25	23.15			24.5
20	QPSK	1	45	23.07	23.17	23.07			24.5
20	QPSK	1	54	22.99	23.09	22.99			24.5
20	QPSK	1	63	22.91	23.01	22.91			24.5
20	QPSK	1	72	22.83	22.93	22.83			24.5
20	QPSK	1	81	22.75	22.85	22.75			24.5
20	QPSK	1	90	22.67	22.77	22.67			24.5
20	QPSK	1	99	22.59	22.69	22.59			24.5
20	QPSK	1	108	22.51	22.61	22.51			24.5
20	QPSK	1	117	22.43	22.53	22.43			24.5
20	QPSK	1	126	22.35	22.45	22.35			24.5
20	QPSK	1	135	22.27	22.37	22.27			24.5
20	QPSK	1	144	22.19	22.29	22.19			24.5
20	QPSK	1	153	22.11	22.21	22.11			24.5
20	QPSK	1	162	22.03	22.13	22.03			24.5
20	QPSK	1	171	21.95	22.05	21.95			24.5
20	QPSK	1	180	21.87	21.97	21.87			24.5
20	QPSK	1	189	21.79	21.89	21.79			24.5
20	QPSK	1	198	21.71	21.81	21.71			24.5
20	QPSK	1	207	21.63	21.73	21.63			24.5
20	QPSK	1	216	21.55	21.65	21.55			24.5
20	QPSK	1	225	21.47	21.57	21.47			24.5
20	QPSK	1	234	21.39	21.49	21.39			24.5
20	QPSK	1	243	21.31	21.41	21.31			24.5
20	QPSK	1	252	21.23	21.33	21.23			24.5
20	QPSK	1	261	21.15	21.25	21.15			24.5
20	QPSK	1	270	21.07	21.17	21.07			24.5
20	QPSK	1	279	20.99	21.09	20.99			24.5
20	QPSK	1	288	20.91	21.01	20.91			24.5
20	QPSK	1	297	20.83	20.93	20.83			24.5
20	QPSK	1	306	20.75	20.85	20.75			24.5
20	QPSK	1	315	20.67	20.77	20.67			24.5
20	QPSK	1	324	20.59	20.69	20.59			24.5
20	QPSK	1	333	20.51	20.61	20.51			24.5
20	QPSK	1	342	20.43	20.53	20.43			24.5
20	QPSK	1	351	20.35	20.45	20.35			24.5
20	QPSK	1	360	20.27	20.37	20.27			24.5
20	QPSK	1	369	20.19	20.29	20.19			24.5
20	QPSK	1	378	20.11	20.21	20.11			24.5
20	QPSK	1	387	20.03	20.13	20.03			24.5
20	QPSK	1	396	19.95	20.05	19.95			24.5
20	QPSK	1	405	19.87	19.97	19.87			24.5
20	QPSK	1	414	19.79	19.89	19.79			24.5
20	QPSK	1	423	19.71	19.81	19.71			24.5
20	QPSK	1	432	19.63	19.73	19.63			24.5
20	QPSK	1	441	19.55	19.65	19.55			24.5
20	QPSK	1	450	19.47	19.57	19.47			24.5
20	QPSK	1	459	19.39	19.49	19.39			24.5
20	QPSK	1	468	19.31	19.41	19.31			24.5
20	QPSK	1	477	19.23	19.33	19.23			24.5
20	QPSK	1	486	19.15	19.25	19.15			24.5
20	QPSK	1	495	19.07	19.17	19.07			24.5
20	QPSK	1	504	18.99	19.09	18.99			24.5
20	QPSK	1	513	18.91	19.01	18.91			24.5
20	QPSK	1	522	18.83	18.93	18.83			24.5
20	QPSK	1	531	18.75	18.85	18.75			24.5
20	QPSK	1	540	18.67	18.77	18.67			24.5
20	QPSK	1	549	18.59	18.69	18.59			24.5
20	QPSK	1	558	18.51	18.61	18.51			24.5
20	QPSK	1	567	18.43	18.53	18.43			24.5
20	QPSK	1	576	18.35	18.45	18.35			24.5
20	QPSK	1	585	18.27	18.37	18.27			24.5
20	QPSK	1	594	18.19	18.29	18.19			24.5
20	QPSK	1	603	18.11	18.21	18.11			24.5
20	QPSK	1	612	18.03	18.13	18.03			24.5
20	QPSK	1	621	17.95	18.05	17.95			24.5
20	QPSK	1	630	17.87	17.97	17.87			24.5
20	QPSK	1	639	17.79	17.89	17.79			24.5
20	QPSK	1	648	17.71	17.81	17.71			24.5
20	QPSK	1	657	17.63	17.73	17.63			24.5
20	QPSK	1	666	17.55	17.65	17.55			24.5
20	QPSK	1	675	17.47	17.57	17.47			24.5
20	QPSK	1	684	17.39	17.49	17.39			24.5
20	QPSK	1	693	17.31	17.41	17.31			24.5
20	QPSK	1	702	17.23	17.33	17.23			24.5
20	QPSK	1	711	17.15	17.25	17.15			24.5
20	QPSK	1	720	17.07	17.17	17.07			24.5
20	QPSK	1	729	16.99	17.09	16.99			24.5
20	QPSK	1	738	16.91	17.01	16.91			24.5
20	QPSK	1	747	16.83	16.93	16.83			24.5
20	QPSK	1	756	16.75	16.85	16.75			24.5
20	QPSK	1	765	16.67	16.77	16.67			24.5
20	QPSK	1	774	16.59	16.69	16.59			24.5
20	QPSK	1	783	16.51	16.61	16.51			24.5
20	QPSK	1	792	16.43	16.53	16.43			24.5
20	QPSK	1	801	16.35	16.45	16.35			24.5
20	QPSK	1	810	16.27	16.37	16.27			24.5
20	QPSK	1	819	16.19	16.29	16.19			24.5
20	QPSK	1	828	16.11	16.21	16.11			24.5
20	QPSK	1	837	16.03	16.13	16.03			24.5
20	QPSK	1	846	15.95	16.05	15.95			24.5
20	QPSK	1	855	15.87	15.97	15.87			24.5
20	QPSK	1	864	15.79	15.89	15.79			24.5
20	QPSK	1	873	15.71	15.81	15.71			24.5
20	QPSK	1	882	15.63	15.73	15.63			24.5
20	QPSK	1	891	15.55	15.65	15.55			24.5
20	QPSK	1	900	15.47	15.57	15.47			24.5
20	QPSK	1	909	15.39	15.49	15.39			24.5
20	QPSK	1	918	15.31	15.41	15.31			24.5
20	QPSK	1	927	15.23	15.33	15.23			24.5
20	QPSK	1	936	15.15	15.25	15.15			24.5
20	QPSK	1	945	15.07	15.17	15.07			24.5
20	QPSK	1	954	14.99	15.09	14.99			24.5
20	QPSK	1	963	14.91	15.01	14.91			24.5
20	QPSK	1	972	14.83	14.93	14.83			24.5
20	QPSK	1	981	14.75	14.85	14.75			24.5
20	QPSK	1	990	14.67	14.77	14.67			24.5
20	QPSK	1	999	14.59	14.69	14.59			24.5
20	QPSK	1	1008	14.51	14.61	14.51			24.5
20	QPSK	1	1017	14.43	14.53	14.43			24.5
20	QPSK	1	1026	14.35	14.45	14.35			24.5
20	QPSK	1	1035	14.27	14.37	14.27			24.5
20	QPSK	1	1044	14.19	14.29	14.19			24.5
20	QPSK	1	1053	14.11	14.21	14.11			24.5
20	QPSK	1	1062	14.03	14.13	14.03			24.5
20	QPSK	1	1071	13.95	14.05	13.95			24.5
20	QPSK	1	1080	13.87	13.97	13.87			24.5
20	QPSK	1	1089	13.79	13.89	13.79			24.5
20	QPSK	1	1098	13.71	13.81	13.71			24.5
20	QPSK	1	1107	13.63	13.73	13.63			24.5
20	QPSK	1	1116	13.55	13.65	13.55			24.5
20	QPSK	1	1125	13.47	13.57	13.47			24.5
20	QPSK	1	1134	13.39	13.49	13.39			24.5
20	QPSK	1	1143	13.31	13.41	13.31			24.5
20	QPSK	1	1152	13.23	13.33	13.23			24.5
20	QPSK	1	1161	13.15	13.25	13.15			



Band 38 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.46	23.55	23.41				
20	QPSK	1	49	23.39	23.42	23.36	25	0		
20	QPSK	1	99	23.42	23.48	23.44				
20	QPSK	50	0	22.44	22.51	22.47				
20	QPSK	50	24	22.48	22.48	22.54				
20	QPSK	50	50	22.47	22.57	22.51	24	1		
20	QPSK	100	0	22.45	22.58	22.42				
20	16QAM	1	0	22.52	22.63	22.50				
20	16QAM	1	49	22.38	22.45	22.44	24	1		
20	16QAM	1	99	22.38	22.44	22.47				
20	16QAM	50	0	21.39	21.59	21.48				
20	16QAM	50	24	21.37	21.49	21.48				
20	16QAM	50	50	21.44	21.54	21.47				
20	16QAM	100	0	21.41	21.50	21.48				
20	64QAM	1	0	21.53	21.59	21.57				
20	64QAM	1	49	21.34	21.45	21.45	23	2		
20	64QAM	1	99	21.39	21.54	21.41				
20	64QAM	50	0	20.42	20.57	20.44				
20	64QAM	50	24	20.44	20.54	20.50				
20	64QAM	50	50	20.43	20.48	20.42	22	3		
20	64QAM	100	0	20.42	20.51	20.38				
20	256QAM	1	0	18.37	18.47	18.38				
20	256QAM	1	49	18.39	18.51	18.45	20	5		
20	256QAM	1	99	18.42	18.49	18.47				
20	256QAM	50	0	18.35	18.36	18.48				
20	256QAM	50	24	18.41	18.47	18.47				
20	256QAM	50	50	18.44	18.45	18.40	20	5		
20	256QAM	100	0	18.39	18.51	18.37				
Channel				37825	38000	38175				
Frequency (MHz)				25775	2595	2613				
15	QPSK	1	0	23.38	23.49	23.29				
15	QPSK	1	37	23.28	23.33	23.31	25	0		
15	QPSK	1	74	23.29	23.40	23.39				
15	QPSK	36	0	22.35	22.54	22.37				
15	QPSK	36	20	22.41	22.38	22.43	24	1		
15	QPSK	36	39	22.42	22.42	22.42				
15	QPSK	75	0	22.34	22.53	22.35				
15	16QAM	1	0	22.48	22.56	22.45				
15	16QAM	1	37	22.34	22.36	22.32	24	1		
15	16QAM	1	74	22.28	22.32	22.40				
15	16QAM	36	0	21.31	21.34	21.37				
15	16QAM	36	20	21.27	21.40	21.38				
15	16QAM	36	39	21.38	21.50	21.42	23	2		
15	16QAM	75	0	21.27	21.45	21.38				
15	64QAM	1	0	21.39	21.55	21.51				
15	64QAM	1	37	21.28	21.33	21.37	23	2		
15	64QAM	1	74	21.31	21.40	21.34				
15	64QAM	36	0	20.33	20.48	20.36				
15	64QAM	36	20	20.39	20.46	20.41	22	3		
15	64QAM	36	39	20.34	20.41	20.30				
15	64QAM	75	0	20.28	20.39	20.24				
15	256QAM	1	0	18.25	18.42	18.28				
15	256QAM	1	37	18.32	18.48	18.42	20	5		
15	256QAM	1	74	18.29	18.35	18.40				
15	256QAM	36	0	18.27	18.53	18.37				
15	256QAM	36	20	18.34	18.41	18.41	20	5		
15	256QAM	36	39	18.40	18.33	18.26				
15	256QAM	75	0	18.34	18.46	18.33				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.40	23.46	23.29				
10	QPSK	1	25	23.27	23.30	23.26	25	0		
10	QPSK	1	49	23.28	23.40	23.33				
10	QPSK	25	0	22.41	22.38	22.40				
10	QPSK	25	12	22.42	22.37	22.39				
10	QPSK	25	25	22.44	22.52	22.48	24	1		
10	QPSK	50	0	22.32	22.52	22.31				
10	16QAM	1	0	22.46	22.55	22.39				
10	16QAM	1	25	22.28	22.36	22.37	24	1		
10	16QAM	1	49	22.31	22.30	22.33				
10	16QAM	25	0	21.28	21.54	21.40				
10	16QAM	25	12	21.24	21.38	21.37				
10	16QAM	25	25	21.40	21.48	21.39	23	2		
10	16QAM	50	0	21.43	21.37	21.41				
10	64QAM	1	0	21.43	21.52	21.50				
10	64QAM	1	25	21.29	21.33	21.33	23	2		
10	64QAM	1	49	21.33	21.45	21.32				
10	64QAM	25	0	20.32	20.46	20.29				
10	64QAM	25	12	20.30	20.51	20.45	22	3		
10	64QAM	25	25	20.34	20.44	20.34				
10	64QAM	50	0	20.27	20.41	20.25				
10	256QAM	1	0	18.28	18.37	18.27				
10	256QAM	1	25	18.30	18.37	18.31	20	5		
10	256QAM	1	49	18.30	18.39	18.41				
10	256QAM	25	0	18.20	18.43	18.38				
10	256QAM	25	12	18.25	18.33	18.34				
10	256QAM	25	25	18.29	18.34	18.30	20	5		
10	256QAM	50	0	18.34	18.40	18.32				
Channel				37775	38000	38225				
Frequency (MHz)				22725	2295	23175				
5	QPSK	1	0	23.42	23.46	23.30				
5	QPSK	1	12	23.34	23.36	23.24	25	0		
5	QPSK	1	24	23.28	23.38	23.30				
5	QPSK	12	0	22.34	22.50	22.38				
5	QPSK	12	7	22.37	22.37	22.50	24	1		
5	QPSK	12	13	22.42	22.50	22.37				
5	QPSK	25	0	22.38	22.50	22.34				
5	16QAM	1	0	22.45	22.57	22.37				
5	16QAM	1	12	22.34	22.42	22.36	24	1		
5	16QAM	1	24	22.32	22.36	22.37				
5	16QAM	12	0	21.24	21.52	21.42				
5	16QAM	12	7	21.26	21.35	21.44				
5	16QAM	12	13	21.33	21.45	21.41	23	2		
5	16QAM	25	0	21.26	21.46	21.33				
5	64QAM	1	0	21.45	21.46	21.54				
5	64QAM	1	12	21.21	21.37	21.30	23	2		
5	64QAM	1	24	21.28	21.49	21.33				
5	64QAM	12	0	20.31	20.48	20.32				
5	64QAM	12	7	20.33	20.39	20.42	22	3		
5	64QAM	12	13	20.40	20.41	20.29				
5	64QAM	25	0	20.28	20.39	20.25				
5	256QAM	1	0	18.27	18.42	18.30				
5	256QAM	1	12	18.26	18.37	18.39	20	5		
5	256QAM	1	24	18.38	18.45	18.44				
5	256QAM	12	0	18.27	18.45	18.37				
5	256QAM	12	7	18.28	18.39	18.38	20	5		
5	256QAM	12	13	18.33	18.41	18.30				
5	256QAM	25	0	18.33	18.40	18.32				

Band 41 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	23.72	23.63	23.77				
20	QPSK	1	49	23.57	23.64	23.67	25	0		
20	QPSK	1	99	23.71	23.62	23.74				
20	QPSK	50	0	22.62	22.54	22.67				
20	QPSK	50	24	22.60	22.52	22.63				
20	QPSK	50	50	22.43	22.53	22.56	24	1		
20	QPSK	100	0	22.52	22.41	22.62				
20	16QAM	1	0	22.56	22.52	22.67				
20	16QAM	1	49	22.48	22.39	22.55	24	1		
20	16QAM	1	99	22.40	22.48	22.55				
20	16QAM	50	0	21.60	2					



**GSM1900 AntS Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1102.2	1103	1103.8		1102.2	1103	1103.8	
GSM 1 Tx slot	28.48	28.53	28.49	30.00	19.48	19.53	19.49	21.00
GPRS 1 Tx slot	28.41	28.40	28.38	30.00	19.41	19.40	19.38	21.00
GPRS 2 Tx slots	25.11	25.16	25.27	27.00	19.11	19.16	19.27	21.00
GPRS 3 Tx slots	23.22	23.27	23.30	25.00	18.96	19.01	19.04	20.74
GPRS 4 Tx slots	22.89	22.71	22.87	23.00	19.89	19.73	19.87	21.00
EDGE 1 Tx slot	24.08	24.26	24.12	26.00	15.08	15.26	15.12	17.00
EDGE 2 Tx slots	21.15	21.18	21.07	23.00	15.15	15.18	15.07	17.00
EDGE 3 Tx slots	18.11	18.16	18.27	21.00	14.85	14.93	15.01	16.74
EDGE 4 Tx slots	18.05	18.20	18.11	20.00	15.05	15.20	15.11	17.00

**WCDMA II AntS Default**

**WCDMA IV AntS Default**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9862	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1838	1831.6		1742.4	1732	1725.8	
3GPP Rel 99 RMC 12.2kops	23.44	23.53	23.41	24.50	23.42	23.51	23.46	24.50
3GPP Rel 99 RMC 12.2kops	23.56	23.61	23.50	24.50	23.51	23.60	23.57	24.50
3GPP Rel 6 HSDPA Subtest-1	22.26	22.54	22.44	23.50	22.43	22.54	22.30	23.50
3GPP Rel 6 HSDPA Subtest-2	22.35	22.56	22.39	23.50	22.46	22.56	22.35	23.50
3GPP Rel 6 HSDPA Subtest-3	21.93	21.99	21.97	23.00	22.03	21.98	21.85	23.00
3GPP Rel 6 HSDPA Subtest-4	21.87	22.02	21.93	23.00	22.00	22.08	21.89	23.00
3GPP Rel 6 DCHSDPA Subtest-1	22.34	22.61	22.50	23.50	22.44	22.57	22.23	23.50
3GPP Rel 6 DCHSDPA Subtest-2	22.44	22.54	22.35	23.50	22.40	22.55	22.45	23.50
3GPP Rel 6 DCHSDPA Subtest-3	21.86	21.99	21.81	23.00	21.89	22.02	21.77	23.00
3GPP Rel 6 DCHSDPA Subtest-4	21.83	22.09	22.00	23.00	22.08	22.00	21.86	23.00
3GPP Rel 6 HSUPA Subtest-1	22.22	22.46	22.53	23.50	22.51	22.49	22.29	23.50
3GPP Rel 6 HSUPA Subtest-2	20.31	20.59	20.43	21.50	20.41	20.42	20.37	21.50
3GPP Rel 6 HSUPA Subtest-3	21.30	21.59	21.38	22.50	21.37	21.61	21.36	22.50
3GPP Rel 6 HSUPA Subtest-4	20.29	20.61	20.50	21.50	20.53	20.55	20.31	21.50
3GPP Rel 6 HSUPA Subtest-5	22.36	22.56	22.37	23.50	22.29	22.52	22.36	23.50
3GPP Rel 7 HSPA (HSPA) Subtest-1	19.74	20.01	19.90	21.00	19.89	19.90	19.74	21.00



Band 4 Ant5 Default										
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)										
20	QPSK	1	0	23.94	23.92	23.92				
20	QPSK	1	49	23.97	23.93	23.93			25	0
20	QPSK	1	99	23.87	23.93	23.91				
20	QPSK	50	0	22.76	22.95	22.79				
20	QPSK	50	24	22.82	22.95	22.83			24	1
20	QPSK	50	50	22.72	22.82	22.81				
20	QPSK	100	0	22.72	22.91	22.75				
20	16QAM	100	0	23.00	23.13	23.04				
20	16QAM	1	49	22.94	23.07	22.95			24	1
20	16QAM	1	99	22.98	23.07	23.02				
20	16QAM	50	0	21.87	22.95	21.87				
20	16QAM	50	24	21.90	21.95	21.90			23	2
20	16QAM	50	50	21.89	21.98	21.89				
20	16QAM	100	0	21.90	21.99	21.87				
20	84QAM	1	0	21.94	22.08	22.05				
20	84QAM	1	49	21.96	22.01	21.95			23	2
20	84QAM	50	0	20.91	21.92	20.87				
20	84QAM	50	24	20.79	20.91	20.84			22	3
20	84QAM	50	50	20.84	20.98	20.90				
20	84QAM	100	0	20.82	20.95	20.84				
20	256QAM	1	0	18.86	18.97	18.88				
20	256QAM	1	49	18.88	18.94	18.88			20	5
20	256QAM	1	99	18.81	18.88	18.92				
20	256QAM	50	0	18.85	18.98	18.88				
20	256QAM	50	24	18.85	18.98	18.88			20	5
20	256QAM	50	50	18.78	18.90	18.86				
20	256QAM	100	0	18.78	18.90	18.86				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.90	23.95	23.93				
15	QPSK	1	37	23.76	23.89	23.88			25	0
15	QPSK	1	74	23.74	23.78	23.76				
15	QPSK	36	0	22.62	22.80	22.87				
15	QPSK	36	29	22.72	22.74	22.73			24	1
15	QPSK	36	39	22.65	22.74	22.69				
15	QPSK	75	0	22.59	22.62	22.61				
15	16QAM	75	0	22.85	23.01	22.91				
15	16QAM	1	37	22.80	22.97	22.83			24	1
15	16QAM	1	74	22.86	22.95	22.88				
15	16QAM	36	0	21.73	22.05	21.83				
15	16QAM	36	29	21.77	21.82	21.83			23	2
15	16QAM	36	39	21.76	21.84	21.84				
15	16QAM	75	0	21.83	21.94	21.78				
15	84QAM	1	0	21.89	22.02	21.93				
15	84QAM	1	37	21.88	21.95	21.89			23	2
15	84QAM	1	74	21.88	21.94	21.89				
15	84QAM	36	0	20.81	20.87	20.72				
15	84QAM	36	29	20.73	20.82	20.80			22	3
15	84QAM	36	39	20.78	20.84	20.81				
15	84QAM	75	0	20.77	20.81	20.77				
15	256QAM	1	0	18.77	18.82	18.78				
15	256QAM	1	37	18.77	18.83	18.76			20	5
15	256QAM	1	74	18.77	18.82	18.86				
15	256QAM	36	0	18.78	18.87	18.78				
15	256QAM	36	29	18.76	18.77	18.74			20	5
15	256QAM	36	39	18.84	18.87	18.89				
15	256QAM	75	0	18.78	18.78	18.82				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.87	23.90	23.89				
10	QPSK	1	25	23.75	23.87	23.81			25	0
10	QPSK	1	49	23.82	23.82	23.77				
10	QPSK	36	0	22.68	22.85	22.85				
10	QPSK	36	12	22.74	22.87	22.78			24	1
10	QPSK	36	25	22.63	22.78	22.73				
10	QPSK	75	0	22.65	22.75	22.68				
10	16QAM	1	0	22.85	22.99	22.94				
10	16QAM	1	28	22.88	22.94	22.85			24	1
10	16QAM	36	0	21.76	21.88	21.87				
10	16QAM	36	12	21.73	21.82	21.75			23	2
10	16QAM	36	25	21.74	21.81	21.84				
10	16QAM	75	0	21.76	21.84	21.84				
10	84QAM	1	0	21.76	21.84	21.84				
10	84QAM	1	0	21.76	21.84	21.73			23	2
10	84QAM	36	0	20.78	20.82	20.78				
10	84QAM	36	12	20.78	20.85	20.81			22	3
10	84QAM	36	25	20.78	20.83	20.75				
10	84QAM	75	0	20.78	20.81	20.72				
10	256QAM	1	0	18.83	18.88	18.87				
10	256QAM	1	28	18.74	18.89	18.85			20	5
10	256QAM	1	49	18.66	18.82	18.79				
10	256QAM	36	0	18.59	18.80	18.78				
10	256QAM	36	12	18.80	18.73	18.73			20	5
10	256QAM	36	25	18.74	18.83	18.78				
10	256QAM	75	0	18.59	18.83	18.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.83	23.90	23.89				
5	QPSK	1	12	23.77	23.82	23.89			25	0
5	QPSK	1	24	23.72	23.80	23.80				
5	QPSK	12	0	22.66	22.84	22.87				
5	QPSK	12	7	22.71	22.75	22.81			24	1
5	QPSK	12	13	22.59	22.75	22.75				
5	QPSK	25	0	22.65	22.77	22.68				
5	16QAM	1	0	22.97	23.06	22.94				
5	16QAM	1	12	22.88	22.96	22.91			24	1
5	16QAM	1	24	22.85	22.96	22.92				
5	16QAM	12	0	21.81	21.94	21.75				
5	16QAM	12	7	21.78	21.84	21.81			23	2
5	16QAM	12	13	21.84	21.88	21.84				
5	16QAM	25	0	21.81	21.92	21.83				
5	84QAM	1	0	21.89	21.95	21.92				
5	84QAM	1	12	21.84	21.91	21.81			23	2
5	84QAM	1	24	21.88	21.87	21.89				
5	84QAM	12	0	20.70	20.83	20.78				
5	84QAM	12	7	20.68	20.82	20.80			22	3
5	84QAM	12	13	20.80	20.75	20.79				
5	84QAM	25	0	20.78	20.87	20.77				
5	256QAM	1	0	18.78	18.89	18.89				
5	256QAM	1	12	18.73	18.89	18.74			20	5
5	256QAM	1	24	18.74	18.75	18.86				
5	256QAM	12	0	18.71	18.90	18.79				
5	256QAM	12	7	18.82	18.78	18.81			20	5
5	256QAM	12	13	18.88	18.84	18.78				
5	256QAM	25	0	18.78	18.78	18.83				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.84	23.90	23.85				
3	QPSK	1	8	23.77	23.83	23.89			25	0
3	QPSK	1	14	23.81	23.84	23.85				
3	QPSK	8	0	22.66	22.86	22.87				
3	QPSK	8	4	22.73	22.70	22.81			24	1
3	QPSK	8	7	22.65	22.78	22.83				
3	QPSK	15	0	22.59	22.84	22.87				
3	16QAM	1	0	22.95	23.04	22.91				
3	16QAM	1	8	22.85	22.96	22.90			24	1
3	16QAM	1	16	22.87	22.98	22.88				
3	16QAM	8	0	21.83	21.93	21.73				
3	16QAM	8	4	21.79	21.83	21.78			23	2
3	16QAM	8	8	21.75	21.86	21.77				
3	16QAM	15	0	21.84	21.91	21.72				
3	84QAM	1	0	21.84	22.00	22.00				
3	84QAM	1	8	21.87	21.95	21.89			23	2
3	84QAM	1	14	21.82	21.98	21.84				
3	84QAM	8	0	20.86	20.96	20.77				
3	84QAM	8	7	20.76						



Band 38 Ant5 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.77	23.82	23.73	24.5	0		
20	QPSK	1	49	23.85	23.73	23.84				
20	QPSK	1	99	23.83	23.75	23.73				
20	QPSK	50	0	22.64	22.85	22.74	23.5	1		
20	QPSK	50	24	22.67	22.71	22.77				
20	QPSK	50	50	22.63	22.71	22.71				
20	QPSK	100	0	22.63	22.81	22.72				
20	16QAM	1	0	22.77	22.78	22.81	23.5	1		
20	16QAM	1	49	22.84	22.76	22.73				
20	16QAM	1	99	22.67	22.73	22.72				
20	16QAM	50	0	21.67	21.81	21.68	22.5	2		
20	16QAM	50	24	21.62	21.68	21.72				
20	16QAM	50	50	21.61	21.76	21.74				
20	16QAM	100	0	21.60	21.70	21.67				
20	64QAM	1	0	21.78	21.79	21.76	22.5	2		
20	64QAM	1	49	21.64	21.73	21.70				
20	64QAM	1	99	21.59	21.69	21.63				
20	64QAM	50	0	20.58	20.79	20.70	21.5	3		
20	64QAM	50	24	20.60	20.67	20.65				
20	64QAM	50	50	20.66	20.67	20.62				
20	256QAM	100	0	20.60	20.67	20.67				
20	256QAM	1	0	18.62	18.77	18.74	19.5	5		
20	256QAM	1	49	18.69	18.71	18.67				
20	256QAM	1	99	18.63	18.69	18.65				
20	256QAM	50	0	18.61	18.62	18.67	19.5	5		
20	256QAM	50	24	18.69	18.71	18.70				
20	256QAM	50	50	18.60	18.78	18.64				
20	256QAM	100	0	18.64	18.74	18.65				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25925	26125				
15	QPSK	1	0	23.70	23.75	23.66	24.5	0		
15	QPSK	1	37	23.52	23.58	23.54				
15	QPSK	1	74	23.54	23.70	23.66				
15	QPSK	36	0	22.59	22.73	22.84	23.5	1		
15	QPSK	36	20	22.62	22.58	22.69				
15	QPSK	36	39	22.57	22.56	22.59				
15	QPSK	75	0	22.50	22.76	22.69	23.5	1		
15	16QAM	1	0	22.64	22.75	22.73				
15	16QAM	1	37	22.58	22.70	22.80				
15	16QAM	1	74	22.60	22.69	22.61	22.5	2		
15	16QAM	36	0	21.53	21.71	21.59				
15	16QAM	36	20	21.51	21.54	21.68				
15	16QAM	36	39	21.50	21.69	21.70	22.5	2		
15	16QAM	75	0	21.55	21.82	21.57				
15	16QAM	1	0	21.64	21.76	21.68	22.5	2		
15	16QAM	1	37	21.56	21.63	21.67				
15	16QAM	1	74	21.54	21.60	21.48				
15	16QAM	36	0	20.53	20.75	20.59	21.5	3		
15	16QAM	36	20	20.49	20.60	20.52				
15	16QAM	36	39	20.53	20.54	20.48				
15	16QAM	75	0	20.55	20.56	20.62				
15	256QAM	1	0	18.49	18.71	18.63	19.5	5		
15	256QAM	1	37	18.61	18.60	18.57				
15	256QAM	1	74	18.59	18.56	18.60				
15	256QAM	36	0	18.50	18.73	18.52	19.5	5		
15	256QAM	36	20	18.57	18.63	18.59				
15	256QAM	36	39	18.47	18.72	18.53				
15	256QAM	75	0	18.49	18.62	18.58				
Channel				37800	38000	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	23.62	23.67	23.63	24.5	0		
10	QPSK	1	25	23.52	23.68	23.54				
10	QPSK	1	49	23.46	23.95	23.63				
10	QPSK	25	0	22.51	22.79	22.70	23.5	1		
10	QPSK	25	12	22.64	22.63	22.72				
10	QPSK	25	25	22.51	22.85	22.62				
10	QPSK	50	0	22.49	22.73	22.59	23.5	1		
10	16QAM	1	0	22.62	22.73	22.76				
10	16QAM	1	25	22.51	22.71	22.59				
10	16QAM	1	49	22.52	22.60	22.63	22.5	2		
10	16QAM	25	0	21.58	21.67	21.55				
10	16QAM	25	12	21.48	21.59	21.57				
10	16QAM	25	25	21.53	21.65	21.63	22.5	2		
10	16QAM	50	0	21.55	21.80	21.56				
10	64QAM	1	0	21.74	21.69	21.66	22.5	2		
10	64QAM	1	25	21.53	21.64	21.59				
10	64QAM	1	49	21.47	21.56	21.59				
10	64QAM	25	0	20.48	20.67	20.62	21.5	3		
10	64QAM	25	12	20.56	20.59	20.58				
10	64QAM	25	25	20.61	20.58	20.51				
10	64QAM	50	0	20.49	20.59	20.56	19.5	5		
10	256QAM	1	0	18.53	18.68	18.69				
10	256QAM	1	25	18.61	18.57	18.62				
10	256QAM	1	49	18.53	18.58	18.55	19.5	5		
10	256QAM	25	0	18.47	18.75	18.59				
10	256QAM	25	12	18.63	18.65	18.61				
10	256QAM	25	25	18.47	18.64	18.59	19.5	5		
10	256QAM	50	0	18.58	18.69	18.59				
Channel				37775	38000	38225				
Frequency (MHz)				25725	25925	26125				
5	QPSK	1	0	23.66	23.69	23.61	24.5	0		
5	QPSK	1	12	23.60	23.66	23.56				
5	QPSK	1	24	23.56	23.62	23.70				
5	QPSK	12	0	22.56	22.71	22.66	23.5	1		
5	QPSK	12	7	22.54	22.65	22.71				
5	QPSK	12	13	22.52	22.62	22.59				
5	QPSK	25	0	22.57	22.69	22.60	23.5	1		
5	16QAM	1	0	22.65	22.74	22.72				
5	16QAM	1	12	22.57	22.65	22.62				
5	16QAM	1	24	22.59	22.66	22.59	22.5	2		
5	16QAM	12	0	21.53	21.74	21.55				
5	16QAM	12	7	21.47	21.62	21.66				
5	16QAM	12	13	21.57	21.70	21.66	22.5	2		
5	16QAM	25	0	21.48	21.61	21.59				
5	64QAM	1	0	21.68	21.75	21.61	22.5	2		
5	64QAM	1	12	21.50	21.59	21.63				
5	64QAM	1	24	21.52	21.57	21.49				
5	64QAM	12	0	20.54	20.72	20.59	21.5	3		
5	64QAM	12	7	20.53	20.53	20.58				
5	64QAM	12	13	20.61	20.55	20.56				
5	64QAM	25	0	20.54	20.54	20.63	19.5	5		
5	256QAM	1	0	18.52	18.66	18.66				
5	256QAM	1	12	18.55	18.61	18.53				
5	256QAM	1	24	18.49	18.54	18.61	19.5	5		
5	256QAM	12	0	18.47	18.72	18.57				
5	256QAM	12	7	18.57	18.58	18.56	19.5	5		
5	256QAM	12	13	18.54	18.65	18.58				
5	256QAM	25	0	18.58	18.64	18.55				

Band 41 Ant5 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	23.65	23.73	23.89	24.5	0		
20	QPSK	1	49	23.61	23.70	23.84				
20	QPSK	1	99	23.60	23.73	23.82				
20	QPSK	50	0	22.63	22.65	22.83	23.5	1		
20	QPSK	50	24	22.50	22.63	22.73				
20	QPSK	50	50	22.48	22.66	22.69				
20	QPSK	100	0	22.54	22.62	22.79				
20	16QAM	1	0	22.61	22.77	22.85	23.5	1		
20	16QAM	1	49	22.66	22.69	22.74				
20	16QAM	1	99	22.52	22.65	22.78				
20	16QAM	50	0	21.63	21.64	21.88	22.5	2		
20	16QAM	50	24	21.59	21.73	21.75				
20	16QAM	50	50	21.58						



Band 42 Ant9 FCC Part27Q 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				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	24.25	24.46	24.32	25.7	0		
20	QPSK	1	49	24.30	24.37	24.28				
20	QPSK	1	99	24.22	24.38	24.28				
20	QPSK	50	0	23.28	23.47	23.28	24.7	1		
20	QPSK	50	24	23.30	23.43	23.33				
20	QPSK	50	50	23.25	23.42	23.39				
20	QPSK	100	0	23.18	23.39	23.26	24.7	1		
20	16QAM	1	0	23.42	23.54	23.53				
20	16QAM	1	49	23.29	23.44	23.40				
20	16QAM	1	99	23.35	23.39	23.33	23.7	2		
20	16QAM	50	0	22.32	22.47	22.31				
20	16QAM	50	24	22.29	22.36	22.37				
20	16QAM	50	50	22.28	22.40	22.38	23.7	2		
20	16QAM	100	0	22.36	22.42	22.27				
20	64QAM	1	0	22.45	22.51	22.48				
20	64QAM	1	49	22.33	22.43	22.36	23.7	2		
20	64QAM	1	99	22.38	22.41	22.45				
20	64QAM	50	0	21.28	21.50	21.35				
20	64QAM	50	24	21.27	21.40	21.42	22.7	3		
20	64QAM	50	50	21.30	21.35	21.40				
20	64QAM	100	0	21.27	21.38	21.41				
20	256QAM	1	0	19.29	19.49	19.40	20.7	5		
20	256QAM	1	49	19.27	19.47	19.36				
20	256QAM	1	99	19.38	19.43	19.37				
20	256QAM	50	0	19.38	19.52	19.40	20.7	5		
20	256QAM	50	24	19.36	19.42	19.33				
20	256QAM	50	50	19.31	19.42	19.34				
20	256QAM	100	0	19.34	19.42	19.40				
Channel				42165	42590	43015				
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	24.12	24.35	24.18	25.7	0		
15	QPSK	1	37	24.25	24.32	24.23				
15	QPSK	1	74	24.16	24.32	24.16				
15	QPSK	36	0	23.14	23.39	23.21	24.7	1		
15	QPSK	36	20	23.16	23.31	23.28				
15	QPSK	36	39	23.20	23.30	23.27				
15	QPSK	75	0	23.06	23.27	23.22	24.7	1		
15	16QAM	1	0	23.39	23.47	23.47				
15	16QAM	1	37	23.17	23.39	23.29				
15	16QAM	1	74	23.26	23.26	23.20	23.7	2		
15	16QAM	36	0	22.21	22.32	22.18				
15	16QAM	36	20	22.20	22.25	22.22				
15	16QAM	36	39	22.13	22.28	22.30	23.7	2		
15	16QAM	75	0	22.22	22.28	22.12				
15	64QAM	1	0	22.33	22.45	22.39				
15	64QAM	1	37	22.25	22.33	22.28	23.7	2		
15	64QAM	1	74	22.28	22.36	22.34				
15	64QAM	36	0	21.21	21.45	21.29				
15	64QAM	36	20	21.20	21.34	21.29	22.7	3		
15	64QAM	36	39	21.24	21.23	21.25				
15	64QAM	75	0	21.18	21.28	21.26				
15	256QAM	1	0	19.16	19.36	19.35	20.7	5		
15	256QAM	1	37	19.20	19.38	19.31				
15	256QAM	1	74	19.26	19.33	19.33				
15	256QAM	36	0	19.27	19.37	19.33	20.7	5		
15	256QAM	36	20	19.22	19.33	19.29				
15	256QAM	36	39	19.19	19.36	19.23				
15	256QAM	75	0	19.27	19.30	19.31				
Channel				42140	42590	43040				
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	24.17	24.34	24.20	25.7	0		
10	QPSK	1	25	24.22	24.22	24.15				
10	QPSK	1	49	24.16	24.31	24.18				
10	QPSK	25	0	23.23	23.37	23.13	24.7	1		
10	QPSK	25	12	23.24	23.29	23.20				
10	QPSK	25	25	23.20	23.27	23.26				
10	QPSK	50	0	23.11	23.27	23.14	24.7	1		
10	16QAM	1	0	23.38	23.47	23.50				
10	16QAM	1	25	23.17	23.31	23.31				
10	16QAM	1	49	23.20	23.34	23.20	23.7	2		
10	16QAM	25	0	22.20	22.35	22.17				
10	16QAM	25	12	22.14	22.29	22.30				
10	16QAM	25	25	22.19	22.31	22.30	23.7	2		
10	16QAM	50	0	22.24	22.38	22.15				
10	64QAM	1	0	22.34	22.37	22.40				
10	64QAM	1	25	22.25	22.38	22.27	23.7	2		
10	64QAM	1	49	22.26	22.33	22.34				
10	64QAM	25	0	21.22	21.38	21.30				
10	64QAM	25	12	21.18	21.29	21.38	22.7	3		
10	64QAM	25	25	21.23	21.31	21.34				
10	64QAM	50	0	21.23	21.26	21.35				
10	256QAM	1	0	19.14	19.38	19.28	20.7	5		
10	256QAM	1	25	19.14	19.35	19.23				
10	256QAM	1	49	19.28	19.36	19.32				
10	256QAM	25	0	19.30	19.43	19.27	20.7	5		
10	256QAM	25	12	19.31	19.33	19.22				
10	256QAM	25	25	19.17	19.33	19.26				
10	256QAM	50	0	19.30	19.36	19.28				
Channel				42115	42590	43065				
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	24.17	24.41	24.17	25.7	0		
5	QPSK	1	12	24.20	24.28	24.21				
5	QPSK	1	24	24.09	24.34	24.18				
5	QPSK	12	0	23.17	23.34	23.19	24.7	1		
5	QPSK	12	7	23.25	23.31	23.24				
5	QPSK	12	13	23.21	23.34	23.26				
5	QPSK	25	0	23.14	23.28	23.18	24.7	1		
5	16QAM	1	0	23.34	23.45	23.44				
5	16QAM	1	12	23.22	23.34	23.29				
5	16QAM	1	24	23.30	23.35	23.28	23.7	2		
5	16QAM	12	0	22.17	22.41	22.23				
5	16QAM	12	7	22.23	22.30	22.25				
5	16QAM	12	13	22.20	22.35	22.30	23.7	2		
5	16QAM	25	0	22.19	22.34	22.18				
5	64QAM	1	0	22.39	22.38	22.39				
5	64QAM	1	12	22.25	22.40	22.26	23.7	2		
5	64QAM	1	24	22.33	22.37	22.38				
5	64QAM	12	0	21.20	21.43	21.25				
5	64QAM	12	7	21.19	21.35	21.37	22.7	3		
5	64QAM	12	13	21.24	21.25	21.26				
5	64QAM	25	0	21.23	21.34	21.33				
5	256QAM	1	0	19.24	19.37	19.28	20.7	5		
5	256QAM	1	12	19.16	19.36	19.25				
5	256QAM	1	24	19.28	19.39	19.24				
5	256QAM	12	0	19.29	19.47	19.36	20.7	5		
5	256QAM	12	7	19.22	19.33	19.24				
5	256QAM	12	13	19.27	19.31	19.31				
5	256QAM	25	0	19.22	19.36	19.27				





Band 42 Ant10 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.97	25.11	24.87	25.7	0	
20	QPSK	1	49	24.97	25.04	25.04			
20	QPSK	1	99	24.94	25.02	24.97			
20	QPSK	50	0	24.00	24.16	24.06			
20	QPSK	50	24	23.99	24.08	23.99	24.7	1	
20	QPSK	50	50	24.03	24.05	24.03			
20	QPSK	100	0	23.93	24.10	23.99			
20	16QAM	1	0	24.21	24.24	24.22			
20	16QAM	1	49	23.95	24.12	24.08	24.7	1	
20	16QAM	1	99	23.97	24.10	23.95			
20	16QAM	50	0	22.98	23.17	23.02			
20	16QAM	50	24	23.01	23.05	23.12	23.7	2	
20	16QAM	50	50	23.03	23.11	23.07			
20	16QAM	100	0	22.96	23.07	23.03			
20	64QAM	1	0	23.21	23.26	23.23			
20	64QAM	1	49	23.03	23.14	22.96	23.7	2	
20	64QAM	1	99	22.83	23.09	23.07			
20	64QAM	50	0	22.07	22.18	22.06			
20	64QAM	50	24	21.97	22.10	22.10	22.7	3	
20	64QAM	50	50	21.98	22.10	22.05			
20	64QAM	100	0	22.03	22.15	22.10			
20	256QAM	1	0	19.95	20.08	20.04			
20	256QAM	1	49	19.96	20.18	20.06	20.7	5	
20	256QAM	1	99	20.01	20.19	20.02			
20	256QAM	50	0	20.00	20.19	20.07			
20	256QAM	50	24	19.98	20.15	20.03	20.7	5	
20	256QAM	50	50	20.08	20.06	20.00			
20	256QAM	100	0	20.04	20.17	20.07			
Channel				42165	42590	43015			
Frequency (MHz)				3452.5	3500	3547.5			
15	QPSK	1	0	24.99	25.07	24.81	25.7	0	
15	QPSK	1	37	24.89	24.93	24.93			
15	QPSK	1	74	24.86	24.94	24.83			
15	QPSK	36	0	23.90	24.04	23.99			
15	QPSK	36	20	23.88	24.06	23.85	24.7	1	
15	QPSK	36	39	23.91	24.01	23.93			
15	QPSK	75	0	23.80	24.00	23.87			
15	16QAM	1	0	24.13	24.13	24.13			
15	16QAM	1	37	23.90	24.12	23.96	24.7	1	
15	16QAM	1	74	23.83	24.00	23.92			
15	16QAM	36	0	22.95	23.07	22.92			
15	16QAM	36	20	22.88	22.98	22.98	23.7	2	
15	16QAM	36	39	23.03	23.04	22.97			
15	16QAM	75	0	22.95	22.95	22.91			
15	64QAM	1	0	23.20	23.12	23.10			
15	64QAM	1	37	22.97	23.12	22.81	23.7	2	
15	64QAM	1	74	22.85	22.94	22.94			
15	64QAM	36	0	22.01	22.11	21.95			
15	64QAM	36	20	21.95	21.95	22.00	22.7	3	
15	64QAM	36	39	21.88	21.97	21.92			
15	64QAM	75	0	21.95	22.03	22.00			
15	256QAM	1	0	19.94	20.07	19.97			
15	256QAM	1	37	19.97	20.17	20.00	20.7	5	
15	256QAM	1	74	19.90	20.09	19.89			
15	256QAM	36	0	19.93	20.19	19.95			
15	256QAM	36	20	19.88	20.03	19.97	20.7	5	
15	256QAM	36	39	19.99	20.03	19.98			
15	256QAM	75	0	19.99	20.02	19.96			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.92	25.02	24.80	25.7	0	
10	QPSK	1	25	24.82	24.99	24.92			
10	QPSK	1	49	24.91	25.00	24.82			
10	QPSK	25	0	23.92	24.03	24.04			
10	QPSK	25	12	23.98	24.06	23.97	24.7	1	
10	QPSK	25	25	23.97	23.94	24.01			
10	QPSK	50	0	23.79	23.96	23.97			
10	16QAM	1	0	24.11	24.22	24.13			
10	16QAM	1	25	23.67	24.10	23.93	24.7	1	
10	16QAM	1	49	23.85	24.07	23.94			
10	16QAM	25	0	22.89	23.10	22.93			
10	16QAM	25	12	22.87	22.97	23.01	23.7	2	
10	16QAM	25	25	22.99	23.05	22.93			
10	16QAM	50	0	22.93	23.05	23.00			
10	64QAM	1	0	23.14	23.16	23.17			
10	64QAM	1	25	22.92	23.10	22.87	23.7	2	
10	64QAM	1	49	22.87	23.07	22.94			
10	64QAM	25	0	21.93	22.07	21.98			
10	64QAM	25	12	21.89	22.02	22.03	22.7	3	
10	64QAM	25	25	21.91	22.21	21.99			
10	64QAM	50	0	21.91	22.02	21.98			
10	256QAM	1	0	19.87	19.94	19.99			
10	256QAM	1	25	19.91	20.05	19.99	20.7	5	
10	256QAM	1	49	19.87	20.19	20.00			
10	256QAM	25	0	19.93	20.06	19.94			
10	256QAM	25	12	19.93	20.12	19.89	20.7	5	
10	256QAM	25	25	19.94	19.92	19.89			
10	256QAM	50	0	20.00	20.10	20.05			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.83	25.06	24.83	25.7	0	
5	QPSK	1	12	24.88	25.00	24.99			
5	QPSK	1	24	24.90	24.98	24.93			
5	QPSK	12	0	24.00	24.02	23.98			
5	QPSK	12	7	23.94	23.94	23.98	24.7	1	
5	QPSK	12	13	24.00	24.04	23.92			
5	QPSK	25	0	23.98	23.98	23.94			
5	16QAM	1	0	24.14	24.09	24.20			
5	16QAM	1	12	23.81	24.07	24.07	24.7	1	
5	16QAM	1	24	23.84	24.04	23.93			
5	16QAM	12	0	22.85	23.10	23.00			
5	16QAM	12	7	22.94	22.99	22.97	23.7	2	
5	16QAM	12	13	22.92	23.07	22.98			
5	16QAM	25	0	22.98	22.96	22.93			
5	64QAM	1	0	23.06	23.22	23.19			
5	64QAM	1	12	22.97	23.00	22.91	23.7	2	
5	64QAM	1	24	22.89	22.98	22.97			
5	64QAM	12	0	22.02	22.05	22.03			
5	64QAM	12	7	21.88	21.92	21.97	22.7	3	
5	64QAM	12	13	21.92	22.09	22.04			
5	64QAM	25	0	22.00	22.10	22.03			
5	256QAM	1	0	19.90	19.94	19.90			
5	256QAM	1	12	19.95	20.15	20.03	20.7	5	
5	256QAM	1	24	19.87	20.10	19.94			
5	256QAM	12	0	19.87	20.14	20.03			
5	256QAM	12	7	19.89	20.09	19.93	20.7	5	
5	256QAM	12	13	19.93	20.03	19.85			
5	256QAM	25	0	19.97	20.10	20.02			



Band 42 Ant11 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.69	24.83	24.80	25.7	0	
20	QPSK	1	49	24.68	24.69	24.77			
20	QPSK	1	99	24.66	24.80	24.63			
20	QPSK	50	0	23.73	23.90	23.80	24.7	1	
20	QPSK	50	24	23.70	23.81	23.79			
20	QPSK	50	50	23.74	23.87	23.85			
20	QPSK	100	0	23.72	23.66	23.68	24.7	1	
20	16QAM	1	0	23.84	23.95	23.90			
20	16QAM	1	49	23.76	23.81	23.80			
20	16QAM	1	99	23.78	23.80	23.76	23.7	2	
20	16QAM	50	0	22.79	22.92	22.81			
20	16QAM	50	24	22.80	22.86	22.73			
20	16QAM	50	50	22.68	22.79	22.85	23.7	2	
20	16QAM	100	0	22.76	22.86	22.82			
20	64QAM	1	0	22.91	22.93	23.00			
20	64QAM	1	49	22.69	22.86	22.80	23.7	2	
20	64QAM	1	99	22.82	22.82	22.75			
20	64QAM	50	0	21.76	21.90	21.72			
20	64QAM	50	24	21.70	21.86	21.84	22.7	3	
20	64QAM	50	50	21.80	21.90	21.72			
20	64QAM	100	0	21.76	21.86	21.79			
20	256QAM	1	0	19.72	19.88	19.80	20.7	5	
20	256QAM	1	49	19.70	19.79	19.70			
20	256QAM	1	99	19.67	19.78	19.72			
20	256QAM	50	0	19.68	19.86	19.79	20.7	5	
20	256QAM	50	24	19.84	19.76	19.75			
20	256QAM	50	50	19.69	19.85	19.81			
20	256QAM	100	0	19.73	19.82	19.78			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.55	24.79	24.71	25.7	0	
15	QPSK	1	37	24.56	24.68	24.74			
15	QPSK	1	74	24.54	24.70	24.50			
15	QPSK	36	0	23.58	23.76	23.76	24.7	1	
15	QPSK	36	20	23.63	23.70	23.78			
15	QPSK	36	39	23.58	23.73	23.76			
15	QPSK	75	0	23.61	23.74	23.58	24.7	1	
15	16QAM	1	0	23.75	23.83	23.89			
15	16QAM	1	37	23.67	23.71	23.68			
15	16QAM	1	74	23.66	23.78	23.62	23.7	2	
15	16QAM	36	0	22.68	22.91	22.69			
15	16QAM	36	20	22.78	22.81	22.60			
15	16QAM	36	39	22.60	22.69	22.82	23.7	2	
15	16QAM	75	0	22.73	22.85	22.74			
15	64QAM	1	0	22.80	22.89	22.97			
15	64QAM	1	37	22.64	22.75	22.77	23.7	2	
15	64QAM	1	74	22.80	22.87	22.66			
15	64QAM	36	0	21.74	21.89	21.61			
15	64QAM	36	20	21.64	21.84	21.61	22.7	3	
15	64QAM	36	39	21.68	21.76	21.61			
15	64QAM	75	0	21.74	21.84	21.74			
15	256QAM	1	0	19.64	19.76	19.77	20.7	5	
15	256QAM	1	37	19.69	19.65	19.56			
15	256QAM	1	74	19.57	19.65	19.64			
15	256QAM	36	0	19.65	19.77	19.65	20.7	5	
15	256QAM	36	20	19.58	19.71	19.73			
15	256QAM	36	39	19.66	19.71	19.77			
15	256QAM	75	0	19.60	19.67	19.71			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.64	24.76	24.67	25.7	0	
10	QPSK	1	25	24.67	24.56	24.71			
10	QPSK	1	49	24.65	24.76	24.55			
10	QPSK	25	0	23.70	23.85	23.68	24.7	1	
10	QPSK	25	12	23.61	23.77	23.76			
10	QPSK	25	25	23.71	23.83	23.77			
10	QPSK	50	0	23.67	23.77	23.64	24.7	1	
10	16QAM	1	0	23.80	23.88	23.78			
10	16QAM	1	25	23.69	23.76	23.76			
10	16QAM	1	49	23.63	23.71	23.70	23.7	2	
10	16QAM	25	0	22.73	22.81	22.76			
10	16QAM	25	12	22.78	22.82	22.59			
10	16QAM	25	25	22.56	22.67	22.80	23.7	2	
10	16QAM	50	0	22.64	22.79	22.72			
10	64QAM	1	0	22.91	22.87	22.56			
10	64QAM	1	25	22.60	22.82	22.75	23.7	2	
10	64QAM	1	49	22.82	22.72	22.74			
10	64QAM	25	0	21.67	21.85	21.62			
10	64QAM	25	12	21.67	21.76	21.76	22.7	3	
10	64QAM	25	25	21.69	21.89	21.72			
10	64QAM	50	0	21.73	21.79	21.79			
10	256QAM	1	0	19.62	19.86	19.68	20.7	5	
10	256QAM	1	25	19.65	19.69	19.68			
10	256QAM	1	49	19.80	19.76	19.59			
10	256QAM	25	0	19.67	19.67	19.70	20.7	5	
10	256QAM	25	12	19.51	19.68	19.75			
10	256QAM	25	25	19.58	19.71	19.81			
10	256QAM	50	0	19.63	19.76	19.70			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.66	24.76	24.74	25.7	0	
5	QPSK	1	12	24.56	24.63	24.76			
5	QPSK	1	24	24.65	24.77	24.61			
5	QPSK	12	0	23.69	23.89	23.74	24.7	1	
5	QPSK	12	7	23.62	23.81	23.79			
5	QPSK	12	13	23.66	23.84	23.72			
5	QPSK	25	0	23.69	23.84	23.54	24.7	1	
5	16QAM	1	0	23.80	23.83	23.87			
5	16QAM	1	12	23.70	23.79	23.73			
5	16QAM	1	24	23.69	23.79	23.71	23.7	2	
5	16QAM	12	0	22.78	22.91	22.71			
5	16QAM	12	7	22.78	22.72	22.72			
5	16QAM	12	13	22.55	22.66	22.75	23.7	2	
5	16QAM	25	0	22.65	22.80	22.74			
5	64QAM	1	0	22.85	22.90	22.86			
5	64QAM	1	12	22.68	22.79	22.80	23.7	2	
5	64QAM	1	24	22.77	22.72	22.74			
5	64QAM	12	0	21.62	21.87	21.60			
5	64QAM	12	7	21.64	21.76	21.69	22.7	3	
5	64QAM	12	13	21.71	21.81	21.72			
5	64QAM	25	0	21.65	21.72	21.68			
5	256QAM	1	0	19.64	19.73	19.76	20.7	5	
5	256QAM	1	12	19.56	19.76	19.59			
5	256QAM	1	24	19.55	19.79	19.61			
5	256QAM	12	0	19.61	19.88	19.73	20.7	5	
5	256QAM	12	7	19.50	19.67	19.74			
5	256QAM	12	13	19.67	19.79	19.69			
5	256QAM	25	0	19.64	19.78	19.72			



## Reduced Power Mode for DSI 1

GSM850 Ant0 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slots	32.41	32.52	32.47	33.50	23.41	23.52	23.47	24.50
GPRS 1 Tx slots	32.33	32.46	32.44	33.50	23.33	23.49	23.44	24.50
GPRS 2 Tx slots	29.28	29.37	29.41	30.50	23.28	23.37	23.41	24.50
GPRS 3 Tx slots	27.47	27.51	27.58	28.50	23.21	23.25	23.32	24.24
GPRS 4 Tx slots	26.41	26.08	26.35	27.50	23.41	23.08	23.35	24.50
EDGE 1 Tx slots	23.25	23.06	23.30	27.50	17.25	17.09	17.30	18.50
EDGE 2 Tx slots	23.32	23.22	23.34	24.50	17.32	17.22	17.34	18.50
EDGE 3 Tx slots	21.62	21.56	21.45	22.50	17.36	17.30	17.19	18.24
EDGE 4 Tx slots	20.77	20.53	20.65	21.50	17.77	17.53	17.65	18.50

WCDMA V Ant0 Default

Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4192	4233		
TX Channel	4132	4192	4233		
Rx Channel	4357	4407	4456		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.78	24.85	24.75	25.50
3GPP Rel 99	AMR 12.2Kbps	24.90	24.93	24.88	25.50
3GPP Rel 6	HSDPA Subtest-1	23.69	24.01	23.90	24.50
3GPP Rel 6	HSDPA Subtest-2	23.81	23.93	23.86	24.50
3GPP Rel 6	HSDPA Subtest-3	23.20	23.50	23.34	24.00
3GPP Rel 6	HSDPA Subtest-4	23.29	23.50	23.33	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.76	23.98	23.92	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.81	23.92	23.76	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	23.22	23.43	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	23.30	23.45	23.41	24.00
3GPP Rel 6	HSPA Subtest-1	23.76	23.89	23.90	24.50
3GPP Rel 6	HSPA Subtest-2	21.72	21.91	21.88	22.50
3GPP Rel 6	HSPA Subtest-3	22.73	23.01	22.83	23.50
3GPP Rel 6	HSPA Subtest-4	21.73	21.90	21.88	22.50
3GPP Rel 6	HSPA Subtest-5	23.76	23.89	23.68	24.50
3GPP Rel 7	HSPA+ (HCGAM) Subtest-1	21.20	21.34	21.25	22.00



Band 4 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Turn-up time (min)	MPE (dB)		
Channel										
	Frequency (MHz)			1720	1722.5	1725				
20	OPSK	1	0	22.82	22.90	22.97			24	0
20	OPSK	1	96	22.78	22.86	22.92				
20	OPSK	50	0	21.97	22.05	22.11				
20	OPSK	50	24	21.90	21.94	21.97			23	1
20	OPSK	50	50	21.79	21.90	21.83				
20	OPSK	100	0	21.92	21.97	21.92				
20	OPSK	100	50	21.88	21.92	21.90				
20	HQAM	1	49	21.90	21.93	21.90			23	1
20	HQAM	1	99	21.84	21.88	21.77				
20	HQAM	50	0	20.72	20.86	20.78				
20	HQAM	50	24	20.77	20.83	20.70			22	2
20	HQAM	50	50	20.67	20.91	20.86				
20	HQAM	100	0	20.68	20.94	20.89				
20	HQAM	100	50	20.51	20.98	20.89				
20	HQAM	1	49	20.86	20.90	20.86			22	2
20	HQAM	1	99	20.78	20.88	20.81				
20	HQAM	50	0	19.83	19.96	19.90				
20	HQAM	50	24	19.85	19.99	19.81			21	3
20	HQAM	50	50	19.71	20.04	19.93				
20	HQAM	100	0	19.88	19.91	19.80				
20	ZSSBAM	1	49	17.85	17.84	17.84			19	5
20	ZSSBAM	1	99	17.81	17.88	17.73				
20	ZSSBAM	50	0	19.71	17.84	17.86				
20	ZSSBAM	50	24	17.76	17.88	17.78			19	5
20	ZSSBAM	50	50	17.81	17.90	17.82				
20	ZSSBAM	100	0	17.79	17.82	17.79				
Channel										
	Frequency (MHz)			20025	20175	20325				
15	OPSK	1	0	22.83	22.88	22.79				
15	OPSK	1	37	22.74	22.77	22.73			24	0
15	OPSK	74	24	22.64	22.74	22.73				
15	OPSK	36	0	21.91	21.91	21.85				
15	OPSK	36	36	21.88	21.96	21.77			23	1
15	OPSK	75	0	21.84	21.92	21.81				
15	OPSK	75	36	21.74	21.87	21.86				
15	HQAM	1	37	21.81	21.88	21.87			23	1
15	HQAM	24	0	20.72	20.77	20.67				
15	HQAM	36	0	20.66	20.75	20.71				
15	HQAM	36	36	20.57	20.71	20.57			22	2
15	HQAM	75	0	20.73	20.87	20.77				
15	HQAM	75	36	20.67	20.89	20.77			22	2
15	HQAM	1	37	20.71	20.82	20.75				
15	HQAM	36	0	19.71	19.89	19.78				
15	HQAM	36	36	19.73	19.87	19.67				
15	HQAM	75	0	19.82	19.92	19.74			21	3
15	HQAM	75	36	19.59	19.75	19.65				
15	ZSSBAM	1	37	17.71	17.78	17.72			19	5
15	ZSSBAM	1	74	17.78	17.75	17.65				
15	ZSSBAM	36	0	19.73	19.86	19.78				
15	ZSSBAM	36	36	19.67	17.77	17.74			19	5
15	ZSSBAM	75	0	17.75	17.75	17.70				
15	ZSSBAM	75	36	17.67	17.85	17.68				
Channel										
	Frequency (MHz)			20010	20175	20350				
10	OPSK	1	0	22.77	22.80	22.77				
10	OPSK	1	25	22.79	22.88	22.72			24	0
10	OPSK	1	49	22.67	22.77	22.77				
10	OPSK	25	0	21.89	21.90	21.84				
10	OPSK	25	12	21.78	21.78	21.72			23	1
10	OPSK	25	25	21.71	21.77	21.72				
10	HQAM	1	0	21.84	21.89	21.85				
10	HQAM	1	25	21.80	21.81	21.74			23	1
10	HQAM	25	0	20.61	20.82	20.65				
10	HQAM	25	12	20.66	20.79	20.57			22	2
10	HQAM	25	25	20.72	20.82	20.68				
10	HQAM	50	0	20.75	20.82	20.80				
10	HQAM	1	0	20.87	20.83	20.85			22	2
10	HQAM	1	25	20.76	20.82	20.78				
10	HQAM	1	49	20.71	20.75	20.68				
10	HQAM	25	0	19.77	19.83	19.86				
10	HQAM	25	12	19.78	19.78	19.76			21	3
10	HQAM	25	25	19.78	19.79	19.75				
10	HQAM	50	0	19.78	19.79	19.75				
10	ZSSBAM	1	25	17.78	17.75	17.74			19	5
10	ZSSBAM	1	49	17.75	17.75	17.60				
10	ZSSBAM	25	0	17.74	17.84	17.68				
10	ZSSBAM	25	12	17.62	17.74	17.61			19	5
10	ZSSBAM	25	25	17.72	17.83	17.68				
10	ZSSBAM	50	0	17.67	17.88	17.68				
Channel										
	Frequency (MHz)			19975	20175	20350				
5	OPSK	1	0	22.74	22.83	22.73				
5	OPSK	1	24	22.72	22.87	22.72			24	0
5	OPSK	1	49	22.67	22.77	22.73				
5	OPSK	12	0	21.84	21.84	21.84				
5	OPSK	12	7	21.84	21.91	21.77			23	1
5	HQAM	1	0	21.89	21.87	21.81				
5	HQAM	1	12	21.79	21.88	21.85			23	1
5	HQAM	12	0	21.73	21.85	21.74				
5	HQAM	12	7	20.63	20.72	20.64			22	2
5	HQAM	12	12	20.70	20.77	20.67				
5	HQAM	25	0	20.75	20.87	20.82				
5	HQAM	1	0	20.81	20.89	20.78			22	2
5	HQAM	12	0	19.83	19.92	19.81				
5	HQAM	1	24	20.65	20.76	20.71				
5	HQAM	12	0	19.70	19.90	19.84				
5	HQAM	12	7	19.79	19.87	19.78			21	3
5	HQAM	12	12	19.76	19.79	19.68				
5	HQAM	25	0	19.76	19.86	19.74				
5	ZSSBAM	1	12	17.83	17.79	17.68			19	5
5	ZSSBAM	1	24	17.80	17.78	17.65				
5	ZSSBAM	12	0	17.71	17.87	17.66				
5	ZSSBAM	12	7	17.67	17.74	17.73			19	5
5	ZSSBAM	12	12	17.82	17.85	17.71				
5	ZSSBAM	25	0	17.68	17.82	17.68				
Channel										
	Frequency (MHz)			19960	20175	20350				
14	OPSK	1	0	22.74	22.83	22.73				
14	OPSK	1	3	22.76	22.92	22.77			24	0
14	OPSK	1	3	22.65	22.82	22.67				
14	OPSK	3	0	21.87	21.89	21.83				
14	OPSK	3	1	21.76	21.86	21.74			23	1
14	HQAM	1	0	21.77	21.88	21.81				
14	HQAM	1	3	21.80	21.87	21.87			23	1
14	HQAM	3	0	20.58	20.80	20.71				
14	HQAM	3	1	20.76	20.86	20.75			22	2
14	HQAM	15	0	20.79	20.86	20.79				
14	HQAM	15	1	20.74	20.92	20.81			22	2
14	HQAM	1	14	20.62	20.79	20.70				
14	HQAM	3	0	19.84	19.94	19.79				
14	HQAM	3	7	19.87	19.74	19.70			21	3
14	HQAM	15	0	17.71	17.87	17.68				
14	ZSSBAM	1	3	17.79	17.83	17.75			19	5
14	ZSSBAM	1	14	17.82	17.77	17.64				
14	ZSSBAM	3	0	17.74	17.88	17.70				
14	ZSSBAM	3	1	17.70	17.84	17.72			19	5
14	ZSSBAM	15	0	17.65	17.83	17.65				
Channel										
	Frequency (MHz)			19927	20175	20350				
14	OPSK	1	0	22.86	22.91	22.73				
14	OPSK	1	3	22.76	22.92	22.77			24	0
14	OPSK	1	3	22.65	22.82	22.67				
14	OPSK	3	0	21.87	21.89	21.83				
14	OPSK	3	1	21.76	21.86	21.74			23	1
14	HQAM	1	0	21.77						



Band 13 Ant0 Default									
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)									
10	QPSK	1	0	23.63	23.63	23.63	24.5	0	
10	QPSK	1	49	23.64	23.64	23.64			
10	QPSK	1	49	24.36	24.36	24.36			
10	QPSK	25	0	23.67	23.67	23.67	23.5	1	
10	QPSK	25	12	23.68	23.68	23.68			
10	QPSK	25	25	23.64	23.64	23.64			
10	QPSK	50	0	23.62	23.62	23.62	23.5	1	
10	QPSK	50	13	23.65	23.65	23.65			
10	HQAM	1	25	23.56	23.56	23.56	23.5	1	
10	HQAM	1	49	23.52	23.52	23.52			
10	HQAM	25	0	23.52	23.52	23.52	23.5	2	
10	HQAM	25	12	23.53	23.53	23.53			
10	HQAM	25	25	23.50	23.50	23.50			
10	HQAM	50	0	23.57	23.57	23.57	23.5	3	
10	HQAM	50	13	23.54	23.54	23.54			
10	HQAM	1	0	21.88	21.88	21.88	22.5	2	
10	HQAM	1	25	21.49	21.49	21.49			
10	HQAM	1	49	21.44	21.44	21.44			
10	HQAM	25	0	20.95	20.95	20.95			
10	HQAM	25	12	20.49	20.49	20.49			
10	HQAM	25	25	20.53	20.53	20.53	21.5	3	
10	HQAM	50	0	20.53	20.53	20.53			
10	HQAM	50	13	20.57	20.57	20.57			
10	ZSSBAM	1	25	18.67	18.63	18.63	19.5	5	
10	ZSSBAM	1	49	18.58	18.58	18.58			
10	ZSSBAM	25	0	18.58	18.58	18.58	19.5	5	
10	ZSSBAM	25	12	18.60	18.60	18.60			
10	ZSSBAM	25	25	18.56	18.56	18.56			
10	ZSSBAM	50	0	18.64	18.64	18.64	19.5	5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.38	23.38	23.43	24.5	0	
5	QPSK	1	12	23.05	23.05	23.46			
5	QPSK	1	24	23.34	23.47	23.39			
5	QPSK	12	0	22.49	22.58	22.61	23.5	1	
5	QPSK	12	7	22.35	22.48	22.50			
5	QPSK	12	13	22.45	22.59	22.46			
5	QPSK	25	0	22.48	22.53	22.43	23.5	1	
5	QPSK	25	13	22.47	22.51	22.37			
5	HQAM	1	0	22.47	22.51	22.37	23.5	1	
5	HQAM	1	12	22.41	22.53	22.37			
5	HQAM	12	0	21.83	21.97	21.40	22.5	2	
5	HQAM	12	7	21.31	21.39	21.38			
5	HQAM	12	13	21.37	21.47	21.28			
5	HQAM	25	0	20.38	20.41	20.28	21.5	3	
5	HQAM	25	7	20.38	20.41	20.28			
5	HQAM	25	13	20.31	20.36	20.28			
5	HQAM	50	0	20.33	20.48	20.26	21.5	3	
5	HQAM	50	13	20.37	20.48	20.26			
5	ZSSBAM	1	12	18.47	18.55	18.43	19.5	5	
5	ZSSBAM	1	24	18.38	18.53	18.45			
5	ZSSBAM	12	0	18.51	18.53	18.45	19.5	5	
5	ZSSBAM	12	7	18.40	18.53	18.37			
5	ZSSBAM	12	13	18.38	18.43	18.43	19.5	5	
5	ZSSBAM	25	0	18.46	18.54	18.42			

Band 17 Ant0 Default									
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)									
10	QPSK	1	0	24.94	24.70	24.59	25.5	0	
10	QPSK	1	25	24.27	24.64	24.59			
10	QPSK	1	49	24.36	24.56	24.58			
10	QPSK	25	0	23.50	23.66	23.58	24.5	1	
10	QPSK	25	12	23.52	23.66	23.63			
10	QPSK	25	25	23.55	23.52	23.51			
10	QPSK	50	0	23.50	23.62	23.50	24.5	1	
10	QPSK	50	13	23.52	23.70	23.71			
10	HQAM	1	25	23.44	23.57	23.55	24.5	1	
10	HQAM	1	49	23.50	23.61	23.47			
10	HQAM	1	49	22.82	23.50	23.41			
10	HQAM	25	0	22.59	22.58	22.51	23.5	2	
10	HQAM	25	12	22.59	22.58	22.51			
10	HQAM	25	25	22.58	22.58	22.54			
10	HQAM	50	0	22.48	22.50	22.56	23.5	2	
10	HQAM	50	13	22.58	22.78	22.67			
10	HQAM	1	25	22.43	22.54	22.49	23.5	2	
10	HQAM	1	49	22.40	22.50	22.41			
10	HQAM	25	0	21.51	21.54	21.48	22.5	3	
10	HQAM	25	12	21.48	21.51	21.51			
10	HQAM	25	25	21.44	21.61	21.51			
10	HQAM	50	0	21.43	21.60	21.48	22.5	3	
10	HQAM	50	13	21.48	21.67	21.59			
10	ZSSBAM	1	25	19.56	19.57	19.49	20.5	5	
10	ZSSBAM	1	49	19.52	19.60	19.53			
10	ZSSBAM	25	0	19.52	19.58	19.58	20.5	5	
10	ZSSBAM	25	12	19.56	19.53	19.57			
10	ZSSBAM	25	25	19.48	19.57	19.60			
10	ZSSBAM	50	0	19.52	19.58	19.51	20.5	5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.38	24.56	24.50	25.5	0	
5	QPSK	1	12	24.41	24.59	24.51			
5	QPSK	1	24	24.47	24.49	24.54			
5	QPSK	12	0	23.45	23.55	23.48	24.5	1	
5	QPSK	12	7	23.48	23.57	23.40			
5	QPSK	12	13	23.47	23.38	23.46			
5	QPSK	25	0	23.45	23.59	23.59	24.5	1	
5	QPSK	25	13	23.63	23.71	23.61			
5	HQAM	1	12	23.35	23.51	23.47	24.5	1	
5	HQAM	12	0	22.43	22.66	22.51	23.5	2	
5	HQAM	12	7	22.51	22.50	22.57			
5	HQAM	12	13	22.56	22.44	22.39			
5	HQAM	25	0	22.42	22.56	22.44	23.5	2	
5	HQAM	25	13	22.44	22.42	22.37			
5	HQAM	1	0	22.44	22.84	22.62	23.5	2	
5	HQAM	1	12	22.41	22.82	22.61			
5	HQAM	1	24	22.37	22.42	22.36	22.5	3	
5	HQAM	12	0	21.43	21.49	21.43	22.5	3	
5	HQAM	12	7	21.44	21.46	21.43			
5	HQAM	12	13	21.40	21.45	21.44			
5	HQAM	25	0	21.32	21.50	21.43	22.5	3	
5	HQAM	25	13	21.41	21.48	21.49			
5	ZSSBAM	1	12	19.51	19.44	19.49	20.5	5	
5	ZSSBAM	1	24	19.44	19.45	19.44			
5	ZSSBAM	12	0	19.41	19.54	19.48	20.5	5	
5	ZSSBAM	12	7	19.51	19.40	19.43			
5	ZSSBAM	12	13	19.40	19.52	19.47	20.5	5	
5	ZSSBAM	25	0	19.45	19.46	19.45			

Band 26 for FCC Ant0 Default									
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)									
15	QPSK	1	0	24.35	24.26	24.41	25.5	0	
15	QPSK	1	39	24.35	24.46	24.46			
15	QPSK	1	74	24.36	24.40	24.46			
15	QPSK	38	0	23.38	23.50	23.33	24.5	1	
15	QPSK	38	20	23.37	23.42	23.41			
15	QPSK	38	39	23.39	23.46	23.36			
15	QPSK	75	0	23.26	23.47	23.37	24.5	1	
15	QPSK	75	19	23.26	23.59	23.38			
15	HQAM	1	37	23.25	23.27	23.23	24.5	1	
15	HQAM	1	74	23.23	23.27	23.28			
15	HQAM	38	0	22.27	22.34	22.27	23.5	2	
15	HQAM	38	20	22.27	22.34	22.27			
15	HQAM	38	39	22.24	22.27	22.21			
15	HQAM	75	0	22.26	22.26	22.23	23.5	2	
15	HQAM	75	19	22.42	22.53	22.49			
15	HQAM	1	37	22.26	22.26	22.25	23.5	2	
15	HQAM	1	74	22.24	22.28	22.27			
15	HQAM	38	0	21.31	21.46	21.38	22.5	3	
15	HQAM	38	20	21.30	21.33	21.30			
15	HQAM	38	39	21.31	21.43	21.38			
15	HQAM	75	0						



### Band 38 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								
Channel Frequency (MHz)				3760	3800	3810		
20	QPSK	1	0	22.60	22.66	22.62	23.5	0
20	QPSK	1	49	22.54	22.62	22.51		
20	QPSK	1	99	22.53	22.53	22.81		
20	QPSK	50	0	21.32	21.56	21.40	22.5	1
20	QPSK	50	24	21.36	21.50	21.43		
20	QPSK	50	50	21.36	21.48	21.52		
20	QPSK	100	0	21.32	21.56	21.40	22.5	1
20	16QAM	1	49	21.48	21.54	21.53		
20	16QAM	1	99	21.40	21.46	21.36		
20	16QAM	1	99	21.29	21.44	21.47		
20	16QAM	50	0	20.32	20.46	20.38	21.5	2
20	16QAM	50	24	20.30	20.41	20.33		
20	16QAM	50	50	20.28	20.40	20.30		
20	16QAM	100	0	20.32	20.33	20.32		
20	64QAM	1	49	20.44	20.51	20.55	21.5	2
20	64QAM	1	99	20.44	20.45	20.50		
20	64QAM	50	0	19.38	19.51	19.40	20.5	3
20	64QAM	50	24	19.39	19.45	19.44		
20	64QAM	50	50	19.38	19.47	19.41		
20	64QAM	100	0	19.34	19.45	19.40		
20	256QAM	1	0	17.33	17.42	17.44	18.5	5
20	256QAM	1	49	17.38	17.48	17.44		
20	256QAM	1	99	17.42	17.51	17.36		
20	256QAM	50	0	17.32	17.54	17.48		
20	256QAM	50	24	17.42	17.48	17.44		
20	256QAM	50	50	17.44	17.42	17.34		
20	256QAM	100	0	17.40	17.44	17.42		
Channel								
Channel Frequency (MHz)				3765	3800	3810		
15	QPSK	1	0	22.47	22.56	22.49	23.0	0
15	QPSK	1	37	22.51	22.56	22.42		
15	QPSK	1	74	22.46	22.41	22.55		
15	QPSK	36	0	21.30	21.49	21.41	22.5	1
15	QPSK	36	20	21.26	21.37	21.37		
15	QPSK	36	39	21.30	21.37	21.48		
15	QPSK	75	0	21.21	21.45	21.46		
15	16QAM	1	37	21.34	21.41	21.41	22.5	1
15	16QAM	1	37	21.28	21.32	21.25		
15	16QAM	1	74	21.20	21.38	21.37		
15	16QAM	36	0	20.19	20.34	20.32	21.5	2
15	16QAM	36	20	20.27	20.36	20.37		
15	16QAM	36	39	20.19	20.29	20.21		
15	16QAM	75	0	20.24	20.24	20.29		
15	16QAM	1	0	20.27	20.34	20.41	21.5	2
15	16QAM	1	37	20.35	20.34	20.33		
15	64QAM	1	74	20.29	20.39	20.39		
15	64QAM	36	0	19.21	19.45	19.34	20.5	3
15	64QAM	36	20	19.27	19.36	19.39		
15	64QAM	36	39	19.28	19.39	19.37		
15	64QAM	75	0	19.26	19.32	19.36		
15	256QAM	1	0	17.25	17.35	17.29	18.5	5
15	256QAM	1	49	17.28	17.38	17.34		
15	256QAM	1	74	17.29	17.41	17.21		
15	256QAM	36	0	17.28	17.48	17.40		
15	256QAM	36	20	17.38	17.30	17.33		
15	256QAM	36	39	17.34	17.36	17.34		
15	256QAM	75	0	17.34	17.32	17.34		
Channel								
Channel Frequency (MHz)				3760	3800	3820		
10	QPSK	1	0	22.48	22.59	22.15	23.0	0
10	QPSK	1	25	22.50	22.55	22.38		
10	QPSK	1	49	22.50	22.40	22.56		
10	QPSK	25	0	21.34	21.41	21.33	22.5	1
10	QPSK	25	12	21.22	21.35	21.30		
10	QPSK	25	25	21.31	21.36	21.40		
10	QPSK	50	0	21.25	21.47	21.33		
10	16QAM	1	0	21.38	21.45	21.49	22.5	1
10	16QAM	1	25	21.22	21.38	21.26		
10	16QAM	1	49	21.20	21.38	21.44		
10	16QAM	25	0	20.24	20.42	20.23	21.5	2
10	16QAM	25	12	20.25	20.36	20.20		
10	16QAM	25	25	20.19	20.25	20.26		
10	16QAM	50	0	20.24	20.24	20.26		
10	64QAM	1	0	20.29	20.41	20.52	21.5	2
10	64QAM	1	25	20.23	20.36	20.26		
10	64QAM	1	49	20.39	20.38	20.40		
10	64QAM	25	0	19.22	19.45	19.33	20.5	3
10	64QAM	25	12	19.35	19.31	19.29		
10	64QAM	25	25	19.31	19.40	19.26		
10	64QAM	50	0	19.30	19.34	19.26		
10	256QAM	1	0	17.24	17.36	17.34	18.5	5
10	256QAM	1	25	17.31	17.38	17.31		
10	256QAM	1	49	17.29	17.40	17.42		
10	256QAM	25	0	17.20	17.40	17.42		
10	256QAM	25	12	17.28	17.33	17.26		
10	256QAM	25	25	17.36	17.36	17.34		
10	256QAM	50	0	17.27	17.38	17.37		
Channel								
Channel Frequency (MHz)				3775	3800	3820		
5	QPSK	1	0	22.46	22.53	22.57	23.0	0
5	QPSK	1	12	22.42	22.55	22.45		
5	QPSK	1	24	22.43	22.45	22.46		
5	QPSK	12	0	21.31	21.52	21.30	22.5	1
5	QPSK	12	7	21.28	21.43	21.39		
5	QPSK	12	13	21.30	21.37	21.42		
5	QPSK	25	0	21.22	21.43	21.25		
5	16QAM	1	0	21.38	21.44	21.40	22.5	1
5	16QAM	1	12	21.30	21.34	21.34		
5	16QAM	1	24	21.15	21.38	21.43		
5	16QAM	12	0	20.21	20.42	20.30	21.5	2
5	16QAM	12	7	20.21	20.28	20.24		
5	16QAM	12	13	20.22	20.26	20.18		
5	16QAM	25	0	20.26	20.25	20.24		
5	64QAM	1	0	20.33	20.44	20.47	21.5	2
5	64QAM	1	12	20.38	20.43	20.41		
5	64QAM	1	24	20.30	20.33	20.44		
5	64QAM	12	0	19.29	19.40	19.32	20.5	3
5	64QAM	12	7	19.33	19.32	19.39		
5	64QAM	12	13	19.25	19.41	19.36		
5	256QAM	1	0	17.25	17.29	17.38	18.5	5
5	256QAM	1	12	17.28	17.40	17.40		
5	256QAM	1	24	17.27	17.40	17.44		
5	256QAM	12	7	17.35	17.30	17.35		
5	256QAM	12	13	17.33	17.37	17.23		
5	256QAM	25	0	17.33	17.30	17.32		

### Band 41 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								
Channel Frequency (MHz)				3970	4018	4020		
20	QPSK	1	0	22.68	22.81	22.72	23.5	0
20	QPSK	1	49	22.61	22.58	22.64		
20	QPSK	1	99	22.51	22.56	22.59		
20	QPSK	50	0	21.44	21.36	21.37	22.5	1
20	QPSK	50	24	21.45	21.49	21.48		
20	QPSK	50	50	21.43	21.43	21.61		
20	QPSK	100	0	21.43	21.36	21.36	22.5	1
20	16QAM	1	49	21.44	21.55	21.55		
20	16QAM	1	99	21.42	21.28	21.45		
20	16QAM	1	99	21.29	21.30	21.34		
20	16QAM	50	0	20.30	20.38	20.34	21.5	2
20	16QAM	50	24	20.36	20.41	20.44		
20	16QAM	50	50	20.29	20.44	20.49		
20	16QAM	100	0	20.38	20.40	20.50	20.5	3
20	64QAM	1	49	20.34	20.33	20.71	21.5	2
20	64QAM	1	99	20.31	20.39	20.44		
20	64QAM	1	99	20.39	20.32	20.49		
20	64QAM	50	0	19.47	19.48	19.58	20.5	3
20	64QAM	50	24	19.29	19.45	19.40		
20	64QAM	50	50	19.39	19.43	19.45		
20	64QAM	100	0	19.38	19.50	19.45		
20	256QAM	1	0	17.39	17.43	17.47	18.5	5
20	256QAM	1	49	17.48	17.49	17.39		
20	256QAM	1	99	17.50	17.43	17.55		
20	256QAM	50	0	17.51	17.44	17.53		
20	256QAM	50	24	17.41	17.42	17.41		
20	256QAM	50	50	17.56	17.43	17.46		
20	256QAM	100	0	17.4				



**GSM850 Ant1 Default**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	82.2	83.4	84.6	32.50	33.2	33.4	33.4	33.50
GSM 1 Tx slot	32.25	32.15	32.18	32.50	23.25	23.19	23.18	23.50
GPRS 1 Tx slot	32.22	32.16	32.06	32.50	23.22	23.16	23.06	23.50
GPRS 2 Tx slots	29.13	29.11	28.97	29.50	23.13	23.11	22.97	23.50
GPRS 3 Tx slots	27.15	27.23	26.93	27.50	22.89	22.97	22.67	23.24
GPRS 4 Tx slots	25.98	26.24	26.12	26.50	22.98	23.24	23.12	23.50
EDGE 1 Tx slot	25.91	26.04	25.92	26.50	16.91	17.04	16.92	17.50
EDGE 2 Tx slots	22.85	23.11	22.86	23.50	16.85	17.11	16.86	17.50
EDGE 3 Tx slots	21.21	21.25	21.08	21.50	16.95	16.99	16.82	17.24
EDGE 4 Tx slots	20.32	20.37	20.10	20.50	17.32	17.37	17.10	17.50

**WCDMA V Ant1 Default**

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4162	4233	
Rx Channel	4357	4407	4456	
Frequency (MHz)	883.4	883.4	845.6	
3GPP Rel 99 RMC 12.2kbps	24.29	24.34	24.25	25.00
3GPP Rel 99 RMC 12.2kbps	24.41	24.43	24.32	25.00
3GPP Rel 6 HSDPA Subtest-1	23.31	23.52	23.24	24.00
3GPP Rel 6 HSDPA Subtest-2	23.19	23.45	23.31	24.00
3GPP Rel 6 HSDPA Subtest-3	22.85	22.95	22.70	23.50
3GPP Rel 6 HSDPA Subtest-4	22.92	22.73	22.91	23.50
3GPP Rel 6 DCHSDPA Subtest-1	23.36	23.46	23.19	24.00
3GPP Rel 6 DCHSDPA Subtest-2	23.22	23.40	23.44	24.00
3GPP Rel 6 DCHSDPA Subtest-3	22.73	22.86	22.76	23.50
3GPP Rel 6 DCHSDPA Subtest-4	22.98	22.87	22.79	23.50
3GPP Rel 6 HSUPA Subtest-1	23.42	23.46	23.22	24.00
3GPP Rel 6 HSUPA Subtest-2	21.23	21.38	21.34	22.00
3GPP Rel 6 HSUPA Subtest-3	22.25	22.43	22.41	23.00
3GPP Rel 6 HSUPA Subtest-4	21.39	21.44	21.27	22.00
3GPP Rel 6 HSUPA Subtest-5	23.15	23.49	23.25	24.00
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	20.75	20.79	20.65	21.50



Band 5 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.13	24.21	24.06				
10	QPSK	1	25	24.10	24.08	24.07			25	0
10	QPSK	1	49	23.98	24.09	24.12				
10	QPSK	25	0	23.98	23.98	23.99				
10	QPSK	25	12	22.98	23.05	23.11				
10	QPSK	25	25	23.05	23.12	23.09			24	1
10	QPSK	50	0	22.95	23.12	22.94				
10	16QAM	1	0	23.09	23.25	23.18				
10	16QAM	1	25	23.12	23.23	23.09				
10	16QAM	1	49	23.13	23.13	23.10				
10	16QAM	25	0	22.09	22.20	22.11				
10	16QAM	25	12	22.07	22.13	22.11				
10	16QAM	25	25	22.02	22.16	22.08			23	2
10	16QAM	50	0	22.02	22.17	22.09				
10	64QAM	1	0	22.15	22.21	22.24				
10	64QAM	1	25	22.14	22.16	22.16			23	2
10	64QAM	1	49	22.08	22.18	22.17				
10	64QAM	25	0	21.02	21.23	21.06				
10	64QAM	25	12	21.10	21.09	21.13				
10	64QAM	25	25	21.08	21.11	21.08			22	3
10	64QAM	50	0	21.08	21.10	21.03				
10	256QAM	1	0	19.04	19.09	19.00				
10	256QAM	1	25	19.06	19.08	19.00			20	5
10	256QAM	1	49	19.07	19.07	18.88				
10	256QAM	25	0	18.98	19.17	19.03				
10	256QAM	25	12	19.04	19.08	19.08				
10	256QAM	25	25	18.96	19.13	19.03			20	5
10	256QAM	50	0	18.95	19.11	19.06				
Channel										
Frequency (MHz)				2426	2429	2425				
5	QPSK	1	0	24.09	24.11	24.01				
5	QPSK	1	12	24.01	24.01	24.02			25	0
5	QPSK	1	24	23.87	24.04	24.08				
5	QPSK	12	0	22.97	23.07	22.97				
5	QPSK	12	7	22.96	22.96	22.97			24	1
5	QPSK	12	13	23.00	23.07	23.03				
5	QPSK	25	0	22.85	23.03	22.89				
5	16QAM	1	0	21.87	22.16	21.85				
5	16QAM	1	12	22.97	23.18	23.05			24	1
5	16QAM	1	24	23.00	23.00	23.07				
5	16QAM	12	0	21.98	22.14	21.96				
5	16QAM	12	7	21.93	22.06	22.07			23	2
5	16QAM	12	13	21.97	22.10	21.95				
5	16QAM	25	0	21.80	22.04	21.85				
5	64QAM	1	0	22.09	22.15	22.13				
5	64QAM	1	12	22.05	22.08	22.10			23	2
5	64QAM	1	24	22.03	22.07	22.11				
5	64QAM	12	0	20.92	21.18	20.97				
5	64QAM	12	7	21.06	21.00	21.05			22	3
5	64QAM	12	13	21.06	21.04	20.95				
5	64QAM	25	0	21.01	21.06	20.99				
5	256QAM	1	0	18.96	18.97	18.91				
5	256QAM	1	12	18.91	18.97	18.88			20	5
5	256QAM	1	24	18.91	18.92	18.95				
5	256QAM	12	0	18.83	19.08	18.89				
5	256QAM	12	7	18.91	19.04	18.87				
5	256QAM	12	13	18.85	19.08	18.98			20	5
5	256QAM	25	0	18.86	19.02	18.97				
Channel										
Frequency (MHz)				2416	2422	2420				
3	QPSK	1	0	24.05	24.13	23.98				
3	QPSK	1	8	23.97	24.01	23.94			25	0
3	QPSK	1	14	23.90	23.95	24.04				
3	QPSK	8	0	22.98	23.04	22.97				
3	QPSK	8	4	22.83	22.90	22.88			24	1
3	QPSK	15	0	22.83	22.89	22.94				
3	16QAM	1	0	23.00	23.17	23.10				
3	16QAM	1	8	23.02	23.16	22.99			24	1
3	16QAM	1	14	23.03	23.03	23.01				
3	16QAM	8	0	21.99	22.15	22.02				
3	16QAM	8	4	21.97	22.08	21.98				
3	16QAM	8	7	21.93	22.11	22.01			23	2
3	16QAM	15	0	21.88	22.04	22.04				
3	64QAM	1	0	22.08	22.09	22.15				
3	64QAM	1	8	22.10	22.08	22.02			23	2
3	64QAM	1	14	22.09	22.12	22.10				
3	64QAM	8	0	20.93	21.16	20.98				
3	64QAM	8	4	21.01	21.04	20.98			22	3
3	64QAM	8	7	21.03	20.97	20.92				
3	256QAM	1	0	20.95	21.07	21.08				
3	256QAM	1	8	18.92	19.06	18.90				
3	256QAM	1	14	18.92	19.03	18.95			20	5
3	256QAM	8	0	18.91	18.95	18.85				
3	256QAM	8	4	18.91	19.08	18.93				
3	256QAM	8	7	18.98	19.01	18.94			20	5
3	256QAM	15	0	18.91	19.06	18.99				
Channel										
Frequency (MHz)				2407	2422	2413				
1.4	QPSK	1	0	24.04	24.15	23.92				
1.4	QPSK	1	3	24.04	23.96	24.01			25	0
1.4	QPSK	1	5	23.84	23.95	24.05				
1.4	QPSK	3	0	23.92	24.04	23.95				
1.4	QPSK	3	3	23.87	23.98	24.07				
1.4	QPSK	3	3	23.93	24.05	24.02				
1.4	QPSK	6	0	22.90	23.04	22.84			24	1
1.4	16QAM	1	0	23.00	23.11	23.10				
1.4	16QAM	1	3	22.99	23.10	23.01				
1.4	16QAM	1	15	22.99	23.09	22.96				
1.4	16QAM	3	0	22.97	23.06	23.01			24	1
1.4	16QAM	3	1	22.99	23.07	22.96				
1.4	16QAM	3	3	22.94	23.13	23.01				
1.4	16QAM	6	0	21.88	22.04	22.04			23	2
1.4	64QAM	1	0	22.04	22.14	22.16				
1.4	64QAM	1	3	22.02	22.04	22.13				
1.4	64QAM	1	5	21.95	22.07	22.09				
1.4	64QAM	3	0	21.94	22.14	21.99			23	2
1.4	64QAM	3	1	22.05	22.00	22.02				
1.4	64QAM	3	3	21.98	21.96	21.93				
1.4	64QAM	6	0	20.99	21.02	21.07			22	3
1.4	256QAM	1	0	18.90	19.00	18.91				
1.4	256QAM	1	3	18.98	19.04	18.96				
1.4	256QAM	1	5	18.83	18.96	18.85			20	5
1.4	256QAM	3	0	18.84	19.12	18.91				
1.4	256QAM	3	1	18.95	18.97	18.90				
1.4	256QAM	3	3	18.80	19.04	18.91				
1.4	256QAM	6	0	18.82	18.99	19.01			20	5

Band 12 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.27	24.31	24.24				
10	QPSK	1	25	24.13	24.24	24.20			25.5	0
10	QPSK	1	49	24.13	24.26	24.13				
10	QPSK	25	0	23.15	23.27	23.09				
10	QPSK	25	12	23.15	23.19	23.18				
10	QPSK	25	25	23.15	23.12	23.08			24.5	1
10	QPSK	50	0	23.02	23.22	23.07				
10	16QAM	1	0	23.25	23.39	23.32				
10	16QAM	1	25	23.12	23.24	23.21			24.5	1
10	16QAM	1	49	23.14	23.28	23.17				
10	16QAM	25	0	22.18	22.32	22.14				
10	16QAM	25	12	22.20	22.23	22.13				
10	16QAM	25	25	22.11	22.18	22.14			23.5	2





Band 17 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				2375	2370	2365			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.12	24.26	24.23			
10	QPSK	1	25	24.10	24.16	24.07			
10	QPSK	1	49	24.07	24.21	24.12	25	0	
10	QPSK	25	0	23.94	23.22	23.05			
10	QPSK	25	12	23.06	23.14	23.06			
10	QPSK	25	25	23.04	23.16	23.07	24	1	
10	QPSK	50	0	22.98	23.11	23.04			
10	16QAM	1	0	23.12	23.14	23.20			
10	16QAM	1	25	23.07	23.15	23.04			
10	16QAM	1	49	23.03	23.10	23.10	24	1	
10	16QAM	25	0	21.95	22.16	22.06			
10	16QAM	25	12	21.96	22.10	22.06			
10	16QAM	25	25	21.97	22.06	22.03	23	2	
10	16QAM	50	0	21.97	22.01	22.04			
10	64QAM	1	0	22.13	22.06	22.17			
10	64QAM	1	25	22.05	22.12	22.11	23	2	
10	64QAM	1	49	22.03	22.11	22.13			
10	64QAM	25	0	21.07	21.21	21.02			
10	64QAM	25	12	21.09	21.17	21.02			
10	64QAM	25	25	21.02	21.13	21.04	22	3	
10	64QAM	50	0	21.04	21.08	21.08			
10	256QAM	1	0	18.97	19.09	19.09			
10	256QAM	1	25	18.97	19.14	18.99	20	5	
10	256QAM	1	49	18.98	19.12	19.07			
10	256QAM	25	0	18.95	19.17	19.00			
10	256QAM	25	12	19.00	19.07	18.99	20	5	
10	256QAM	25	25	19.02	19.12	19.09			
10	256QAM	50	0	18.94	19.04	19.06			
Channel				2375	2370	2365			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.05	24.18	24.17			
5	QPSK	1	12	24.07	24.04	23.94	25	0	
5	QPSK	1	24	23.98	24.06	24.03			
5	QPSK	12	0	22.96	23.18	22.94			
5	QPSK	12	7	22.97	23.02	22.92	24	1	
5	QPSK	12	13	22.92	23.05	22.95			
5	QPSK	25	0	22.88	22.97	22.92			
5	16QAM	1	0	22.98	23.02	23.12			
5	16QAM	1	12	23.02	23.11	22.95	24	1	
5	16QAM	1	24	22.97	23.00	23.01			
5	16QAM	12	0	21.83	22.03	21.98			
5	16QAM	12	7	21.83	22.05	21.97	23	2	
5	16QAM	12	13	21.92	21.99	21.91			
5	16QAM	25	0	21.83	21.98	21.89			
5	64QAM	1	0	22.00	22.19	22.06			
5	64QAM	1	12	22.01	22.00	22.06	23	2	
5	64QAM	1	24	21.98	22.07	22.01			
5	64QAM	12	0	20.97	21.11	20.92			
5	64QAM	12	7	21.04	21.11	20.97	22	3	
5	64QAM	12	13	20.95	20.99	20.95			
5	64QAM	25	0	20.90	21.03	21.03			
5	256QAM	1	0	18.90	19.01	19.05			
5	256QAM	1	12	18.90	19.04	18.85	20	5	
5	256QAM	1	24	18.95	19.00	19.00			
5	256QAM	12	0	18.84	19.07	18.92			
5	256QAM	12	7	18.95	18.97	18.85	20	5	
5	256QAM	12	13	18.94	19.07	19.05			
5	256QAM	25	0	18.89	18.96	18.92			

Band 26 for FCC 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				2095	2095	2095			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.18	24.26	24.07			
15	QPSK	1	37	24.04	24.15	24.07	25.7	0	
15	QPSK	1	74	24.12	24.14	24.12			
15	QPSK	36	0	23.07	23.21	23.08			
15	QPSK	36	20	23.07	23.12	23.08	24.7	1	
15	QPSK	36	39	23.10	23.17	23.08			
15	QPSK	75	0	23.01	23.18	23.05			
15	16QAM	1	0	23.23	23.25	23.28			
15	16QAM	1	37	23.08	23.19	23.09	24.7	1	
15	16QAM	1	74	23.04	23.21	23.05			
15	16QAM	36	0	22.04	22.25	22.17			
15	16QAM	36	20	22.03	22.12	22.11	23.7	2	
15	16QAM	36	39	22.04	22.12	22.10			
15	16QAM	75	0	22.04	22.16	22.10			
15	64QAM	1	0	22.16	22.29	22.24			
15	64QAM	1	37	22.03	22.14	22.10	23.7	2	
15	64QAM	1	74	22.08	22.11	22.08			
15	64QAM	36	0	21.01	21.21	21.05			
15	64QAM	36	20	21.03	21.11	21.10	22.7	3	
15	64QAM	36	39	21.10	21.12	21.05			
15	64QAM	75	0	21.01	21.12	21.07			
15	256QAM	1	0	19.10	19.15	19.15			
15	256QAM	1	37	19.09	19.20	19.12	20.7	5	
15	256QAM	1	74	19.14	19.11	19.08			
15	256QAM	36	0	19.05	19.25	19.13			
15	256QAM	36	20	19.08	19.20	19.12	20.7	5	
15	256QAM	36	39	19.10	19.17	19.16			
15	256QAM	75	0	19.07	19.12	19.08			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.05	24.21	24.00			
10	QPSK	1	1	25	23.91	24.09	23.99	25.7	0
10	QPSK	1	49	24.08	24.03	23.98			
10	QPSK	25	0	22.96	23.14	23.02			
10	QPSK	25	12	22.98	22.99	22.95	24.7	1	
10	QPSK	25	25	23.00	23.04	22.98			
10	QPSK	50	0	22.88	23.06	22.96			
10	16QAM	1	0	23.16	23.21	23.24			
10	16QAM	1	25	23.04	23.12	23.08	24.7	1	
10	16QAM	1	49	22.90	23.08	22.90			
10	16QAM	25	0	21.94	22.11	22.05			
10	16QAM	25	12	21.97	21.99	22.01	23.7	2	
10	16QAM	25	25	21.98	22.03	21.96			
10	16QAM	50	0	21.91	22.13	22.04			
10	64QAM	1	0	22.02	22.15	22.13			
10	64QAM	1	25	21.92	22.02	21.96	23.7	2	
10	64QAM	1	49	22.03	22.01	21.99			
10	64QAM	25	0	20.97	21.18	20.96			
10	64QAM	25	12	20.97	21.09	21.01	22.7	3	
10	64QAM	25	25	21.00	21.09	20.95			
10	64QAM	50	0	20.89	21.01	20.97			
10	256QAM	1	0	19.07	19.08	19.09			
10	256QAM	1	25	18.97	19.05	19.01	20.7	5	
10	256QAM	1	49	19.10	19.03	19.06			
10	256QAM	25	0	18.93	19.21	19.04			
10	256QAM	25	12	19.01	19.12	19.03	20.7	5	
10	256QAM	25	25	19.08	19.04	19.05			
10	256QAM	50	0	19.03	18.99	19.03			
Channel				26715	26850	27015			
Frequency (MHz)				818.5	831.5	846.5			
5	QPSK	1	0	24.05	24.21	23.95			
5	QPSK	1	12	23.90	24.06	23.96	25.7	0	
5	QPSK	1	24	24.05	24.05	23.97			
5	QPSK	12	0	22.93	23.15	23.00			
5	QPSK	12	7	22.92	23.03	23.01	24.7	1	
5	QPSK	12	13	23.01	23.10	23.02			
5	QPSK	25	0	22.93	23.13	22.93			
5	16QAM	1	0	23.10	23.17	23.17			
5	16QAM	1	12	23.01	23.15	22.94	24.7	1	
5	16QAM	1	24	22.95	23.13	23.01			
5	16QAM	12	0	21.92	22.19	22.14			
5	16QAM	12	7	21.91	22.00	22.03	23.7	2	
5	16QAM	12	13	21.95	21.98	22.06			
5	16QAM	25	0	21.94	22.11	22.02			
5	64QAM	1	0	22.04	22.28	22.19		</	



**GSM1900 Ant3 Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	152.12	180	169.8	152.12	180.3	169.8		
GSM 1 Tx slot	29.88	30.11	30.12	31.00	29.89	21.11	21.12	22.00
GPRS 1 Tx slot	26.84	30.01	30.03	31.00	26.84	21.01	21.03	22.00
GPRS 2 Tx slots	26.71	26.64	26.68	27.50	20.71	20.64	20.68	21.50
GPRS 3 Tx slots	24.54	24.61	24.42	25.50	20.28	20.35	20.16	21.24
GPRS 4 Tx slots	23.88	24.09	24.13	24.50	20.88	21.09	21.13	21.50
EDGE 1 Tx slot	25.37	25.42	25.56	27.00	16.37	16.42	16.56	18.00
EDGE 2 Tx slots	22.21	22.28	22.30	24.00	16.21	16.28	16.30	18.00
EDGE 3 Tx slots	20.12	20.31	20.15	22.00	15.86	16.05	15.89	17.74
EDGE 4 Tx slots	19.44	19.54	19.20	21.00	16.44	16.54	16.20	18.00

**WCDMA II Ant3 Default**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9682	9800	9938	1537	1638	1738			
Frequency (MHz)	1853.4	1880	1907.6	1783.4	1733.5	1552.5			
SCPP Rel 99	AMR 12.2kops	24.88	24.77	24.71	25.50	24.89	24.75	24.84	25.50
SCPP Rel 99	RM-C 12.2kops	24.81	24.88	24.74	25.50	24.80	24.88	24.82	25.50
SCPP Rel 6	HSDPA Subtest-1	23.80	23.80	23.70	24.50	23.53	23.91	23.78	24.50
SCPP Rel 6	HSDPA Subtest-2	23.60	23.89	23.72	24.50	23.85	23.72	23.77	24.50
SCPP Rel 6	HSDPA Subtest-3	23.14	23.41	23.27	24.00	23.15	23.28	23.16	24.00
SCPP Rel 6	HSDPA Subtest-4	23.20	23.32	23.26	24.00	23.12	23.37	23.14	24.00
SCPP Rel 6	DC-HSDPA Subtest-1	23.62	23.84	23.74	24.50	23.63	23.62	23.68	24.50
SCPP Rel 6	DC-HSDPA Subtest-2	23.68	23.89	23.72	24.50	23.72	23.86	23.72	24.50
SCPP Rel 6	DC-HSDPA Subtest-3	23.05	23.26	23.20	24.00	23.05	23.33	23.23	24.00
SCPP Rel 6	DC-HSDPA Subtest-4	23.12	23.33	23.33	24.00	23.17	23.33	23.26	24.00
SCPP Rel 6	HSUPA Subtest-1	23.68	23.86	23.81	24.50	23.53	23.80	23.70	24.50
SCPP Rel 6	HSUPA Subtest-2	21.72	21.85	21.70	22.50	21.60	21.78	21.76	22.50
SCPP Rel 6	HSUPA Subtest-3	22.66	22.91	22.74	23.50	22.81	22.78	22.67	23.50
SCPP Rel 6	HSUPA Subtest-4	21.55	21.89	21.68	22.50	21.59	21.87	21.68	22.50
SCPP Rel 6	HSUPA Subtest-5	23.58	23.70	23.57	24.50	23.56	23.68	23.61	24.50
SCPP Rel 7	HSPA+ (16QAM) Subtest-1	21.04	21.30	21.21	22.00	21.04	21.19	21.10	22.00



Band 2 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hsp./Ch./F.Freq.	Power Hsp./F.Freq.	Turn-up (dB)	MPR (dB)		
Channel										
				1860	1860	1900				
20	QPSK	1	0	24.58	24.54	24.50			25.5	0
20	QPSK	1	49	24.45	24.41	24.37				
20	QPSK	1	99	24.45	24.41	24.37				
20	QPSK	50	0	23.48	23.39	23.28			24.5	1
20	QPSK	50	24	23.54	23.45	23.36				
20	QPSK	50	50	23.53	23.40	23.24				
20	QPSK	100	0	23.53	23.38	23.21				
20	QPSK	100	24	23.58	23.47	23.37				
20	HQAM	1	49	23.56	23.56	23.57			24.5	1
20	HQAM	1	99	23.52	23.37	23.28				
20	HQAM	1	149	23.54	23.60	23.59				
20	HQAM	50	0	22.48	22.27	22.03			23.5	2
20	HQAM	50	24	22.59	22.24	22.05				
20	HQAM	50	50	22.59	22.58	22.54				
20	HQAM	100	0	22.59	22.58	22.53				
20	HQAM	100	24	22.57	22.57	22.56				
20	HQAM	100	50	22.57	22.58	22.57				
20	HQAM	1	49	22.45	22.41	22.47			23.5	2
20	HQAM	1	99	22.52	22.26	22.01				
20	HQAM	1	149	21.43	21.53	21.44				
20	HQAM	50	24	21.42	21.51	21.53				
20	HQAM	50	50	21.46	21.54	21.48				
20	HQAM	100	0	21.49	21.60	21.48			22.5	3
20	HQAM	100	24	21.42	21.53	21.53				
20	HQAM	100	50	21.43	21.52	21.43				
20	ZSSM	1	49	19.43	19.25	19.43			20.5	5
20	ZSSM	1	99	19.48	19.56	19.43				
20	ZSSM	1	149	19.43	19.52	19.43				
20	ZSSM	50	24	19.39	19.25	19.45			20.5	5
20	ZSSM	50	50	19.39	19.25	19.45				
20	ZSSM	100	0	19.39	19.25	19.45				
20	ZSSM	100	24	19.39	19.25	19.45				
Channel										
				1867.5	1860	1919.5	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	24.48	24.36	24.27			25.5	0
15	QPSK	1	24	24.45	24.44	24.43				
15	QPSK	1	74	24.47	24.40	24.37				
15	QPSK	36	0	23.37	23.30	23.22			24.5	1
15	QPSK	36	24	23.47	23.45	23.42				
15	QPSK	36	36	23.47	23.36	23.27				
15	QPSK	75	0	23.41	23.38	23.34				
15	QPSK	75	24	23.54	23.46	23.38				
15	HQAM	1	37	23.52	23.59	23.44			24.5	1
15	HQAM	1	74	23.46	23.61	23.48				
15	HQAM	36	24	22.49	22.64	22.54			23.5	2
15	HQAM	36	20	22.45	22.58	22.49				
15	HQAM	75	0	22.37	22.52	22.44				
15	HQAM	75	0	22.37	22.52	22.50			23.5	2
15	HQAM	75	37	22.47	22.59	22.51				
15	HQAM	1	74	22.49	22.45	22.55				
15	HQAM	36	0	21.36	21.59	21.51			22.5	3
15	HQAM	36	24	21.42	21.48	21.48				
15	HQAM	36	36	21.34	21.45	21.33				
15	HQAM	75	0	21.44	21.58	21.58				
15	HQAM	75	37	21.52	21.59	21.53			20.5	5
15	ZSSM	1	74	19.32	19.47	19.40				
15	ZSSM	1	149	19.32	19.36	19.39				
15	ZSSM	50	24	19.28	19.42	19.28			20.5	5
15	ZSSM	50	39	19.33	19.39	19.50				
15	ZSSM	100	0	19.33	19.33	19.41				
Channel										
				2005	2077.5	2035	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	24.48	24.44	24.47			25.5	0
15	QPSK	1	24	24.44	24.44	24.43				
15	QPSK	1	74	24.47	24.40	24.37				
15	QPSK	36	0	23.30	23.30	23.27			24.5	1
15	QPSK	36	24	23.42	23.44	23.44				
15	QPSK	36	36	23.36	23.46	23.43				
15	QPSK	75	0	23.41	23.38	23.34				
15	QPSK	75	24	23.56	23.46	23.38				
15	HQAM	1	37	23.52	23.59	23.44			24.5	1
15	HQAM	1	74	23.46	23.61	23.48				
15	HQAM	36	24	22.49	22.64	22.54			23.5	2
15	HQAM	36	20	22.45	22.58	22.49				
15	HQAM	75	0	22.37	22.52	22.44				
15	HQAM	75	0	22.37	22.52	22.50			23.5	2
15	HQAM	75	37	22.47	22.59	22.51				
15	HQAM	1	74	22.49	22.45	22.55				
15	HQAM	36	0	21.36	21.59	21.51			22.5	3
15	HQAM	36	24	21.42	21.48	21.48				
15	HQAM	36	36	21.34	21.45	21.33				
15	HQAM	75	0	21.44	21.58	21.58				
15	HQAM	75	37	21.52	21.59	21.53			20.5	5
15	ZSSM	1	74	19.32	19.47	19.40				
15	ZSSM	1	149	19.32	19.36	19.39				
15	ZSSM	50	24	19.28	19.42	19.28			20.5	5
15	ZSSM	50	39	19.33	19.39	19.50				
15	ZSSM	100	0	19.33	19.33	19.41				
Channel										
				2005	2077.5	2035	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	24.48	24.44	24.47			25.5	0
15	QPSK	1	24	24.44	24.44	24.43				
15	QPSK	1	74	24.47	24.40	24.37				
15	QPSK	36	0	23.30	23.30	23.27			24.5	1
15	QPSK	36	24	23.42	23.44	23.44				
15	QPSK	36	36	23.36	23.46	23.43				
15	QPSK	75	0	23.41	23.38	23.34				
15	QPSK	75	24	23.56	23.46	23.38				
15	HQAM	1	37	23.52	23.59	23.44			24.5	1
15	HQAM	1	74	23.46	23.61	23.48				
15	HQAM	36	24	22.49	22.64	22.54			23.5	2
15	HQAM	36	20	22.45	22.58	22.49				
15	HQAM	75	0	22.37	22.52	22.44				
15	HQAM	75	0	22.37	22.52	22.50			23.5	2
15	HQAM	75	37	22.47	22.59	22.51				
15	HQAM	1	74	22.49	22.45	22.55				
15	HQAM	36	0	21.36	21.59	21.51			22.5	3
15	HQAM	36	24	21.42	21.48	21.48				
15	HQAM	36	36	21.34	21.45	21.33				
15	HQAM	75	0	21.44	21.58	21.58				
15	HQAM	75	37	21.52	21.59	21.53			20.5	5
15	ZSSM	1	74	19.32	19.47	19.40				
15	ZSSM	1	149	19.32	19.36	19.39				
15	ZSSM	50	24	19.28	19.42	19.28			20.5	5
15	ZSSM	50	39	19.33	19.39	19.50				
15	ZSSM	100	0	19.33	19.33	19.41				
Channel										
				1867.5	1860	1919.5	Turn-up (dB)	MPR (dB)		
15	QPSK	1	0	24.48	24.44	24.47			25.5	0
15	QPSK	1	24	24.44	24.44	24.43				
15	QPSK	1	74	24.47	24.40	24.37				
15	QPSK	36	0	23.30	23.30	23.27			24.5	1
15	QPSK	36	24	23.42	23.44	23.44				
15	QPSK	36	36	23.36	23.46	23.43				
15	QPSK	75	0	23.41	23.38	23.34				
15	QPSK	75	24	23.56	23.46	23.38				
15	HQAM	1	37	23.52	23.59	23.44			24.5	1
15	HQAM	1	74	23.46	23.61	23.48				
15	HQAM	36	24	22.49	22.64	22.54			23.5	2
15	HQAM	36	20	22.45	22.58	22.49				
15	HQAM	75	0	22.37	22.52	22.44				
15	HQAM	75	0	22.37	22.52	22.50			23.5	2



Band 38 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid/Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.82	24.69	24.84	25.5	0		
20	QPSK	1	49	24.50	24.61	24.82				
20	QPSK	1	99	24.47	24.64	24.52				
20	QPSK	50	0	23.53	23.69	23.48				
20	QPSK	50	24	23.52	23.99	23.55	24.5	1		
20	QPSK	50	50	23.50	23.52	23.54				
20	QPSK	100	0	23.56	23.69	23.62				
20	16QAM	1	0	23.54	23.65	23.66	24.5	1		
20	16QAM	1	49	23.50	23.60	23.50				
20	16QAM	1	99	23.48	23.53	23.53				
20	16QAM	50	0	22.45	22.64	22.51				
20	16QAM	50	24	22.49	22.50	22.56	23.5	2		
20	16QAM	50	50	22.45	22.59	22.47				
20	16QAM	100	0	22.52	22.59	22.56				
20	64QAM	1	0	22.60	22.62	22.63				
20	64QAM	1	49	22.50	22.58	22.51	23.5	2		
20	64QAM	1	99	22.49	22.61	22.55				
20	64QAM	50	0	21.47	21.66	21.51				
20	64QAM	50	24	21.52	21.51	21.55	22.5	3		
20	64QAM	50	50	21.47	21.56	21.57				
20	64QAM	100	0	21.44	21.60	21.58				
20	256QAM	1	0	19.44	19.58	19.50				
20	256QAM	1	49	19.44	19.55	19.48	20.5	5		
20	256QAM	1	99	19.42	19.53	19.55				
20	256QAM	50	0	19.51	19.63	19.49				
20	256QAM	50	24	19.40	19.54	19.45	20.5	5		
20	256QAM	50	50	19.49	19.55	19.56				
20	256QAM	100	0	19.42	19.51	19.55				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	24.52	24.60	24.58	25.5	0		
15	QPSK	1	37	24.38	24.58	24.51				
15	QPSK	1	74	24.34	24.50	24.47				
15	QPSK	36	0	23.39	23.52	23.35				
15	QPSK	36	20	23.38	23.51	23.49	24.5	1		
15	QPSK	36	39	23.36	23.43	23.46				
15	QPSK	75	0	23.49	23.56	23.57				
15	16QAM	1	0	23.48	23.62	23.57				
15	16QAM	1	37	23.40	23.50	23.38	24.5	1		
15	16QAM	1	74	23.35	23.43	23.46				
15	16QAM	36	0	22.34	22.39	22.42				
15	16QAM	36	20	22.40	22.41	22.51	23.5	2		
15	16QAM	36	39	22.38	22.48	22.36				
15	16QAM	75	0	22.40	22.53	22.44				
15	64QAM	1	0	22.52	22.57	22.54				
15	64QAM	1	37	22.42	22.47	22.40	23.5	2		
15	64QAM	1	74	22.43	22.57	22.41				
15	64QAM	36	0	21.35	21.58	21.46				
15	64QAM	36	20	21.40	21.41	21.51	22.5	3		
15	64QAM	36	39	21.41	21.46	21.53				
15	64QAM	75	0	21.30	21.48	21.53				
15	256QAM	1	0	19.37	19.49	19.39				
15	256QAM	1	37	19.30	19.52	19.37	20.5	5		
15	256QAM	1	74	19.28	19.38	19.44				
15	256QAM	36	0	19.43	19.58	19.39				
15	256QAM	36	20	19.26	19.45	19.32	20.5	5		
15	256QAM	36	39	19.35	19.43	19.45				
15	256QAM	75	0	19.35	19.42	19.44				
Channel				37800	38050	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	24.55	24.59	24.60	25.5	0		
10	QPSK	1	25	24.45	24.50	24.56				
10	QPSK	1	49	24.36	24.54	24.39				
10	QPSK	25	0	23.48	23.55	23.44				
10	QPSK	25	12	23.45	23.46	23.44	24.5	1		
10	QPSK	25	25	23.37	23.42	23.43				
10	QPSK	50	0	23.49	23.57	23.55				
10	16QAM	1	0	23.41	23.52	23.61	24.5	1		
10	16QAM	1	25	23.36	23.52	23.40				
10	16QAM	1	49	23.38	23.40	23.39				
10	16QAM	25	0	22.35	22.49	22.48				
10	16QAM	25	12	22.39	22.40	22.46	23.5	2		
10	16QAM	25	25	22.40	22.49	22.41				
10	16QAM	50	0	22.41	22.53	22.49				
10	64QAM	1	0	22.56	22.55	22.48				
10	64QAM	1	25	22.45	22.48	22.47	23.5	2		
10	64QAM	1	49	22.39	22.54	22.51				
10	64QAM	25	0	21.38	21.55	21.38				
10	64QAM	25	12	21.49	21.39	21.44	22.5	3		
10	64QAM	25	25	21.33	21.60	21.54				
10	64QAM	50	0	21.40	21.55	21.55				
10	256QAM	1	0	19.31	19.54	19.44				
10	256QAM	1	25	19.32	19.41	19.38	20.5	5		
10	256QAM	1	49	19.39	19.50	19.43				
10	256QAM	25	0	19.37	19.52	19.37				
10	256QAM	25	12	19.36	19.45	19.38	20.5	5		
10	256QAM	25	25	19.44	19.41	19.43				
10	256QAM	50	0	19.36	19.47	19.51				
Channel				37775	38000	38225				
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	24.53	24.65	24.57	25.5	0		
5	QPSK	1	12	24.46	24.57	24.50				
5	QPSK	1	24	24.34	24.58	24.48				
5	QPSK	12	0	23.46	23.57	23.42				
5	QPSK	12	7	23.42	23.48	23.48	24.5	1		
5	QPSK	12	13	23.47	23.38	23.41				
5	QPSK	25	0	23.51	23.59	23.47				
5	16QAM	1	0	23.50	23.53	23.54				
5	16QAM	1	12	23.38	23.47	23.38	24.5	1		
5	16QAM	1	24	23.40	23.39	23.43				
5	16QAM	12	0	22.34	22.50	22.43				
5	16QAM	12	7	22.43	22.36	22.53	23.5	2		
5	16QAM	12	13	22.38	22.52	22.35				
5	16QAM	25	0	22.43	22.53	22.43				
5	64QAM	1	0	22.55	22.58	22.51				
5	64QAM	1	12	22.44	22.43	22.36	23.5	2		
5	64QAM	1	24	22.45	22.57	22.42				
5	64QAM	12	0	21.35	21.62	21.40				
5	64QAM	12	7	21.44	21.36	21.44	22.5	3		
5	64QAM	12	13	21.42	21.49	21.48				
5	64QAM	25	0	21.40	21.49	21.53				
5	256QAM	1	0	19.32	19.48	19.42				
5	256QAM	1	12	19.41	19.48	19.40	20.5	5		
5	256QAM	1	24	19.39	19.40	19.40				
5	256QAM	12	0	19.39	19.54	19.44				
5	256QAM	12	7	19.33	19.49	19.31	20.5	5		
5	256QAM	12	13	19.41	19.41	19.47				
5	256QAM	25	0	19.38	19.47	19.46				

Band 41 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid/Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.71	24.60	24.81	24.74	24.75	25.5	0
20	QPSK	1	49	24.60	24.68	24.74	24.64	24.62		
20	QPSK	1	99	24.72	24.58	24.77	24.64	24.64		
20	QPSK	50	0	23.75	23.64	23.79	23.69	23.70		
20	QPSK	50	24	23.63	23.66	23.68	23.68	23.53	24.5	1
20	QPSK	50	50	23.64	23.63	23.73	23.62	23.58		
20	QPSK	100	0	23.60	23.51	23.73	23.56	23.69		
20	16QAM	1	0	23.71	23.63	23.75	23.67	23.64</		





Band 38 Ant4 DSI1										
RBW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.06	21.20	21.11				
20	QPSK	1	49	20.98	21.09	21.01	22.5	0		
20	QPSK	1	99	20.94	21.01	20.94				
20	QPSK	50	0	21.01	21.12	21.06				
20	QPSK	50	24	20.93	21.05	20.97	22.5	0		
20	QPSK	50	50	20.89	20.98	20.94				
20	QPSK	100	0	20.97	21.09	21.00				
20	16QAM	1	0	20.98	21.07	20.97	22.5	0		
20	16QAM	1	49	20.91	21.07	20.98				
20	16QAM	1	99	20.94	20.98	20.86				
20	16QAM	50	0	20.98	21.04	20.92				
20	16QAM	50	24	20.92	20.96	20.93	22.5	0		
20	16QAM	50	50	20.82	20.93	20.85				
20	16QAM	100	0	21.04	21.06	21.03				
20	64QAM	1	0	20.97	21.06	20.92	22.5	0		
20	64QAM	1	49	20.85	20.92	20.78				
20	64QAM	1	99	20.85	20.98	20.88				
20	64QAM	50	0	20.99	21.03	20.96				
20	64QAM	50	24	20.91	20.97	20.92	22.5	0		
20	64QAM	50	50	20.75	20.90	20.82				
20	64QAM	100	0	20.79	20.92	20.79				
20	256QAM	1	0	18.30	18.44	18.35	20	2.5		
20	256QAM	1	49	18.32	18.41	18.40				
20	256QAM	1	99	18.33	18.39	18.36				
15	QPSK	36	99	18.30	18.47	18.38				
20	256QAM	50	24	18.31	18.43	18.37	20	2.5		
20	256QAM	50	50	18.41	18.40	18.33				
20	256QAM	100	0	18.31	18.47	18.33				
Channel				37625	38000	38175				
Frequency (MHz)				2572.5	2595	2612.5				
15	QPSK	1	0	20.98	21.02	21.00	22.5	0		
15	QPSK	1	37	20.87	20.98	20.88				
15	QPSK	1	74	20.89	20.89	20.81				
15	QPSK	36	0	20.97	21.01	21.02				
15	QPSK	36	20	20.89	20.96	20.87	22.5	0		
15	QPSK	36	39	20.76	20.91	20.82				
15	QPSK	75	0	20.94	21.03	20.85				
15	16QAM	1	0	20.90	20.94	20.94				
15	16QAM	1	37	20.80	20.88	20.84	22.5	0		
15	16QAM	1	74	20.86	20.92	20.81				
15	16QAM	36	0	20.94	20.96	20.80				
15	16QAM	36	24	20.84	20.94	20.82	22.5	0		
15	16QAM	36	39	20.68	20.85	20.81				
15	16QAM	75	0	20.95	21.02	20.99				
15	64QAM	1	0	20.84	21.00	20.81				
15	64QAM	1	37	20.81	20.82	20.68	22.5	0		
15	64QAM	1	74	20.81	20.87	20.80				
15	64QAM	36	0	20.93	20.92	20.83				
15	64QAM	36	20	20.85	20.92	20.78	22.5	0		
15	64QAM	36	39	20.63	20.79	20.71				
15	64QAM	75	0	20.74	20.79	20.75				
15	256QAM	1	0	18.25	18.34	18.23	20	2.5		
15	256QAM	1	37	18.22	18.36	18.27				
15	256QAM	1	74	18.18	18.31	18.23				
15	256QAM	36	0	18.26	18.38	18.29				
15	256QAM	36	20	18.17	18.35	18.33	20	2.5		
15	256QAM	36	39	18.35	18.37	18.23				
15	256QAM	75	0	18.25	18.40	18.23				
Channel				37600	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.92	21.08	21.03	22.5	0		
10	QPSK	1	25	20.85	21.02	20.89				
10	QPSK	1	49	20.80	20.97	20.90				
10	QPSK	25	0	20.90	21.01	20.92	22.5	0		
10	QPSK	25	12	20.84	20.91	20.92				
10	QPSK	25	25	20.75	20.93	20.89				
10	QPSK	50	0	20.88	21.00	20.92				
10	16QAM	1	0	20.88	20.98	20.91	22.5	0		
10	16QAM	1	25	20.85	20.95	20.84				
10	16QAM	1	49	20.86	20.88	20.83				
10	16QAM	25	0	20.95	20.90	20.88				
10	16QAM	25	12	20.84	20.88	20.85	22.5	0		
10	16QAM	25	25	20.74	20.87	20.72				
10	16QAM	50	0	20.97	21.02	20.97				
10	64QAM	1	0	20.90	21.01	20.82				
10	64QAM	1	25	20.79	20.85	20.70	22.5	0		
10	64QAM	1	49	20.73	20.90	20.78				
10	64QAM	25	0	20.93	20.89	20.90				
10	64QAM	25	12	20.82	20.92	20.88	22.5	0		
10	64QAM	25	25	20.82	20.78	20.77				
10	64QAM	50	0	20.74	20.88	20.67				
10	256QAM	1	0	18.27	18.35	18.29	20	2.5		
10	256QAM	1	25	18.26	18.33	18.30				
10	256QAM	1	49	18.19	18.25	18.21				
10	256QAM	25	0	18.15	18.44	18.23				
10	256QAM	25	12	18.26	18.39	18.30	20	2.5		
10	256QAM	25	25	18.38	18.35	18.23				
10	256QAM	50	0	18.24	18.36	18.20				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.97	21.02	21.02	22.5	0		
5	QPSK	1	12	20.86	20.99	20.87				
5	QPSK	1	24	20.90	20.90	20.87				
5	QPSK	12	0	20.95	21.08	20.99				
5	QPSK	12	7	20.82	20.91	20.86	22.5	0		
5	QPSK	12	13	20.78	20.93	20.79				
5	QPSK	25	0	20.85	21.02	20.89				
5	16QAM	1	0	20.94	20.99	20.88				
5	16QAM	1	12	20.87	20.86	20.89	22.5	0		
5	16QAM	1	24	20.91	20.86	20.78				
5	16QAM	12	0	20.86	20.90	20.84				
5	16QAM	12	7	20.81	20.87	20.82	22.5	0		
5	16QAM	12	13	20.76	20.87	20.74				
5	16QAM	25	0	20.99	21.00	21.00				
5	64QAM	1	0	20.89	20.93	20.81				
5	64QAM	1	12	20.76	20.84	20.70	22.5	0		
5	64QAM	1	24	20.73	20.87	20.75				
5	64QAM	12	0	20.84	20.96	20.86				
5	64QAM	12	7	20.88	20.86	20.85	22.5	0		
5	64QAM	12	13	20.66	20.79	20.76				
5	64QAM	25	0	20.74	20.78	20.64				
5	256QAM	1	0	18.16	18.32	18.25	20	2.5		
5	256QAM	1	12	18.25	18.28	18.26				
5	256QAM	1	24	18.21	18.30	18.22				
5	256QAM	12	0	18.26	18.35	18.30				
5	256QAM	12	7	18.19	18.38	18.29	20	2.5		
5	256QAM	12	13	18.38	18.29	18.26				
5	256QAM	25	0	18.27	18.43	18.27				

Band 41 Ant4 DSI1										
RBW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	20.30	20.23	20.34				
20	QPSK	1	49	20.28	20.25	20.28	21.5	0		
20	QPSK	1	99	20.23	20.16	20.23				
20	QPSK	50	0	20.15	20.07	20.21				
20	QPSK	50	24	20.05	20.10	20.18	21.5	0		
20	QPSK	50	50	20.03	20.03	20.15				
20	QPSK	100	0	20.13	20.05	20.18				
20	16QAM	1	0	20.25	20.17	20.25	21.5	0		
20	16QAM	1	49	20.16	20.11	20.16				
20	16QAM	1	99	20.19	20.1					



**GSM1900 Ant5 DSH**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1920.2	1930	1939.8	28.00	18.02	18.00	19.00	19.00
GSM 1 Tx slot	20.52	20.41	20.47	28.00	17.52	17.41	17.47	19.00
GPRS 1 Tx slot	26.46	26.39	26.44	28.00	17.48	17.39	17.44	19.00
GPRS 2 Tx slots	23.15	23.23	23.08	25.00	17.15	17.23	17.08	19.00
GPRS 3 Tx slots	21.20	21.31	21.15	23.00	16.94	17.05	16.89	18.74
GPRS 4 Tx slots	20.43	20.45	20.38	22.00	17.43	17.49	17.36	19.00
EDGE 1 Tx slot	24.08	24.26	24.12	28.00	15.08	15.26	15.12	17.00
EDGE 2 Tx slots	21.15	21.18	21.07	23.00	15.15	15.18	15.07	17.00
EDGE 3 Tx slots	18.11	18.16	18.27	21.00	14.85	14.93	15.01	16.74
EDGE 4 Tx slots	18.05	18.20	18.11	20.00	15.05	15.20	15.11	17.00

**WCDMA # Ant5 DSH**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9862	9800	9938	1537	1638	1738	1838	
Frequency (MHz)	1852.4	1838	1823.6	1732.4	1732	1732.8	1732.8	
3GPP Rel 99 RMC 12.2kops	18.30	18.41	18.22	19.50	17.81	17.84	17.76	19.00
3GPP Rel 99 RMC 12.2kops	18.38	18.46	18.28	19.50	17.88	17.91	17.87	19.00
3GPP Rel 6 HSDPA Subtest-1	17.12	17.42	17.33	18.50	16.84	16.97	16.76	18.00
3GPP Rel 6 HSDPA Subtest-2	17.50	17.43	17.31	18.50	16.97	16.98	16.74	18.00
3GPP Rel 6 HSDPA Subtest-3	16.89	16.93	16.84	18.00	16.41	16.41	16.22	17.50
3GPP Rel 6 HSDPA Subtest-4	16.75	16.98	16.86	18.00	16.37	16.51	16.31	17.50
3GPP Rel 6 DCHSDPA Subtest-1	17.27	17.51	17.47	18.50	16.82	16.97	16.61	18.00
3GPP Rel 6 DCHSDPA Subtest-2	17.41	17.42	17.21	18.50	16.91	16.97	16.90	18.00
3GPP Rel 6 DCHSDPA Subtest-3	16.77	16.95	16.67	18.00	16.38	16.37	16.18	17.50
3GPP Rel 6 DCHSDPA Subtest-4	16.73	17.01	16.91	18.00	16.54	16.40	16.29	17.50
3GPP Rel 6 HSUPA Subtest-1	17.08	17.38	17.41	18.50	16.92	16.87	16.71	18.00
3GPP Rel 6 HSUPA Subtest-2	15.23	15.38	15.36	16.50	14.85	14.85	14.74	16.00
3GPP Rel 6 HSUPA Subtest-3	16.26	16.45	16.27	17.50	15.79	16.00	15.76	17.00
3GPP Rel 6 HSUPA Subtest-4	15.23	15.51	15.38	16.50	14.98	14.95	14.88	16.00
3GPP Rel 6 HSUPA Subtest-5	17.23	17.41	17.28	18.50	16.66	16.56	16.72	18.00
3GPP Rel 7 HSPA (HSPA) Subtest-1	14.66	14.91	14.81	16.00	14.32	14.35	14.13	15.50



Band 4 Ant5 DS1i													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mid. Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	18.63	18.59	18.57			20	0			
20	QPSK	1	49	18.79	18.93	18.80			20	0			
20	QPSK	50	0	18.68	18.56	18.67			20	0			
20	QPSK	24	0	18.76	18.81	18.81			20	0			
20	QPSK	50	50	18.74	18.86	18.70			20	0			
20	QPSK	100	0	18.76	18.88	18.73			20	0			
20	HQAM	1	49	18.76	18.82	18.77			20	0			
20	HQAM	1	99	18.77	18.82	18.73			20	0			
20	HQAM	50	0	18.84	18.88	18.81			20	0			
20	HQAM	50	24	18.74	18.84	18.84			20	0			
20	HQAM	100	50	18.76	18.93	18.85			20	0			
20	HQAM	100	0	18.76	18.87	18.87			20	0			
20	HQAM	1	49	18.71	18.88	18.84			20	0			
20	HQAM	1	99	18.72	18.87	18.78			20	0			
20	HQAM	50	24	18.67	18.96	18.93			20	0			
20	HQAM	50	0	18.82	18.94	18.85			20	0			
20	HQAM	100	0	18.83	18.96	18.75			20	0			
20	ZSSBAM	1	49	18.83	18.96	18.79			19.5	0.5			
20	ZSSBAM	1	99	18.79	18.78	18.83			19.5	0.5			
20	ZSSBAM	50	24	18.81	18.76	18.81			19.5	0.5			
20	ZSSBAM	50	50	18.70	18.81	18.81			19.5	0.5			
20	ZSSBAM	100	0	18.82	18.85	18.85			19.5	0.5			
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.71	18.90	18.82			20	0			
15	QPSK	1	37	18.68	18.74	18.74			20	0			
15	QPSK	1	74	18.66	18.84	18.67			20	0			
15	QPSK	36	0	18.80	18.88	18.70			20	0			
15	QPSK	20	0	18.80	18.88	18.68			20	0			
15	QPSK	36	36	18.68	18.82	18.63			20	0			
15	HQAM	1	0	18.65	18.79	18.67			20	0			
15	HQAM	1	37	18.65	18.71	18.73			20	0			
15	HQAM	1	74	18.63	18.83	18.65			20	0			
15	HQAM	36	0	18.69	18.83	18.67			20	0			
15	HQAM	36	20	18.60	18.70	18.69			20	0			
15	HQAM	50	0	18.80	18.88	18.62			20	0			
15	HQAM	75	0	18.76	18.77	18.77			20	0			
15	HQAM	1	74	18.55	18.90	18.72			20	0			
15	HQAM	36	0	18.65	18.80	18.67			20	0			
15	HQAM	36	20	18.70	18.70	18.65			20	0			
15	HQAM	50	0	18.75	18.70	18.70			20	0			
15	ZSSBAM	1	37	18.73	18.97	18.76			19.5	0.5			
15	ZSSBAM	1	74	18.72	18.75	18.71			19.5	0.5			
15	ZSSBAM	36	0	18.80	18.80	18.65			19.5	0.5			
15	ZSSBAM	36	20	18.77	18.72	18.72			19.5	0.5			
15	ZSSBAM	50	39	18.63	18.78	18.67			19.5	0.5			
15	ZSSBAM	100	0	18.71	18.75	18.75			19.5	0.5			
Channel													
Frequency (MHz)													
10	QPSK	1	0	18.70	18.84	18.72			20	0			
10	QPSK	1	25	18.65	18.83	18.77			20	0			
10	QPSK	1	49	18.71	18.86	18.65			20	0			
10	QPSK	1	74	18.68	18.82	18.67			20	0			
10	QPSK	25	12	18.66	18.78	18.63			20	0			
10	QPSK	25	25	18.62	18.72	18.58			20	0			
10	HQAM	1	0	18.68	18.79	18.67			20	0			
10	HQAM	1	25	18.66	18.72	18.65			20	0			
10	HQAM	1	49	18.63	18.83	18.65			20	0			
10	HQAM	25	12	18.67	18.79	18.73			20	0			
10	HQAM	25	25	18.63	18.82	18.62			20	0			
10	HQAM	50	0	18.69	18.73	18.69			20	0			
10	HQAM	1	49	18.65	18.88	18.74			20	0			
10	HQAM	25	0	18.68	18.78	18.69			20	0			
10	HQAM	25	12	18.77	18.79	18.63			20	0			
10	HQAM	50	0	18.69	18.73	18.69			20	0			
10	HQAM	1	0	18.72	18.84	18.72			20	0			
10	HQAM	1	25	18.64	18.74	18.64			20	0			
10	HQAM	1	49	18.65	18.88	18.74			20	0			
10	HQAM	25	0	18.68	18.78	18.69			20	0			
10	HQAM	25	12	18.77	18.79	18.63			20	0			
10	HQAM	50	0	18.77	18.73	18.71			20	0			
10	ZSSBAM	1	25	18.69	18.85	18.68			19.5	0.5			
10	ZSSBAM	1	49	18.64	18.85	18.71			19.5	0.5			
10	ZSSBAM	25	0	18.65	18.80	18.67			19.5	0.5			
10	ZSSBAM	25	12	18.71	18.88	18.68			19.5	0.5			
10	ZSSBAM	25	25	18.61	18.77	18.63			19.5	0.5			
10	ZSSBAM	50	0	18.64	18.77	18.71			19.5	0.5			
Channel													
Frequency (MHz)													
5	QPSK	1	0	18.70	18.84	18.72			20	0			
5	QPSK	1	12	18.66	18.82	18.78			20	0			
5	QPSK	1	24	18.73	18.81	18.76			20	0			
5	QPSK	12	0	18.61	18.83	18.61			20	0			
5	QPSK	12	7	18.74	18.75	18.58			20	0			
5	QPSK	12	13	18.71	18.74	18.63			20	0			
5	QPSK	12	19	18.65	18.81	18.65			20	0			
5	HQAM	1	0	18.68	18.73	18.63			20	0			
5	HQAM	1	12	18.72	18.72	18.63			20	0			
5	HQAM	1	24	18.65	18.88	18.71			20	0			
5	HQAM	12	0	18.79	18.85	18.70			20	0			
5	HQAM	12	7	18.60	18.76	18.72			20	0			
5	HQAM	12	13	18.68	18.80	18.71			20	0			
5	HQAM	12	19	18.73	18.83	18.74			20	0			
5	HQAM	1	0	18.62	18.85	18.73			20	0			
5	HQAM	1	12	18.69	18.80	18.71			20	0			
5	HQAM	1	24	18.69	18.79	18.70			20	0			
5	HQAM	12	0	18.69	18.80	18.66			20	0			
5	HQAM	12	7	18.77	18.89	18.73			20	0			
5	HQAM	12	13	18.72	18.79	18.67			20	0			
5	HQAM	12	19	18.79	18.76	18.62			20	0			
5	HQAM	25	0	18.78	18.90	18.68			20	0			
5	ZSSBAM	1	12	18.68	18.86	18.67			19.5	0.5			
5	ZSSBAM	1	24	18.68	18.89	18.70			19.5	0.5			
5	ZSSBAM	12	0	18.64	18.81	18.73			19.5	0.5			
5	ZSSBAM	12	7	18.69	18.88	18.68			19.5	0.5			
5	ZSSBAM	12	13	18.62	18.78	18.76			19.5	0.5			
5	ZSSBAM	12	19	18.68	18.73	18.72			19.5	0.5			
5	ZSSBAM	25	0	18.69	18.73	18.72			19.5	0.5			
Channel													
Frequency (MHz)													
3	QPSK	1	0	18.70	18.84	18.72			20	0			
3	QPSK	1	8	18.64	18.83	18.78			20	0			
3	QPSK	1	14	18.74	18.89	18.70			20	0			
3	QPSK	8	0	18.73	18.87	18.71			20	0			
3	QPSK	8	4	18.73	18.73	18.59			20	0			
3	QPSK	8	7	18.62	18.78	18.59			20	0			
3	HQAM	1	0	18.64	18.80	18.61			20	0			
3	HQAM	1	8	18.65	18.69	18.68			20	0			
3	HQAM	1	14	18.69	18.89	18.59			20	0			
3	HQAM	8	0	18.70	18.78	18.76			20	0			
3	HQAM	8	4	18.68	18.78	18.72			20	0			
3	HQAM	8	7	18.69	18.89	18.71			20	0			





Band 38 Ant5 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.28	21.41	21.36	22	0		
20	QPSK	1	49	21.22	21.35	21.28	22	0		
20	QPSK	1	99	21.24	21.37	21.32	22	0		
20	QPSK	50	0	21.21	21.34	21.16	22	0		
20	QPSK	50	24	21.18	21.25	21.16	22	0		
20	QPSK	50	50	21.12	21.28	21.19	22	0		
20	QPSK	100	0	21.22	21.31	21.28	22	0		
20	16QAM	1	0	21.24	21.34	21.22	22	0		
20	16QAM	1	49	21.16	21.29	21.22	22	0		
20	16QAM	1	99	21.18	21.28	21.19	22	0		
20	16QAM	50	0	21.26	21.32	21.27	22	0		
20	16QAM	50	24	21.24	21.34	21.23	22	0		
20	16QAM	50	50	21.27	21.30	21.25	22	0		
20	16QAM	100	0	21.18	21.32	21.17	22	0		
20	64QAM	1	0	21.12	21.28	21.21	22	0		
20	64QAM	1	49	21.23	21.30	21.16	22	0		
20	64QAM	1	99	21.15	21.28	21.17	22	0		
20	64QAM	50	0	20.50	20.71	20.60	21.5	0.5		
20	64QAM	50	24	20.53	20.58	20.61	21.5	0.5		
20	64QAM	50	50	20.55	20.62	20.59	21.5	0.5		
20	256QAM	100	0	20.52	20.62	20.62	19.5	2.5		
20	256QAM	1	0	18.55	18.73	18.69	19.5	2.5		
20	256QAM	1	49	18.62	18.61	18.63	19.5	2.5		
20	256QAM	1	99	18.58	18.59	18.62	19.5	2.5		
20	256QAM	50	0	18.56	18.76	18.58	19.5	2.5		
20	256QAM	50	24	18.64	18.65	18.59	19.5	2.5		
20	256QAM	50	50	18.58	18.74	18.58	19.5	2.5		
20	256QAM	100	0	18.58	18.68	18.54	19.5	2.5		
Channel				37825	38000	38175				
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	21.23	21.30	21.28	22	0		
15	QPSK	1	37	21.15	21.23	21.20	22	0		
15	QPSK	1	74	21.15	21.27	21.25	22	0		
15	QPSK	36	0	21.12	21.27	21.03	22	0		
15	QPSK	36	20	21.15	21.14	21.08	22	0		
15	QPSK	36	39	20.97	21.23	21.12	22	0		
15	QPSK	75	0	21.11	21.22	21.18	22	0		
15	16QAM	1	0	21.20	21.28	21.11	22	0		
15	16QAM	1	37	21.09	21.23	21.18	22	0		
15	16QAM	1	74	21.09	21.13	21.06	22	0		
15	16QAM	36	0	21.18	21.18	21.17	22	0		
15	16QAM	36	20	21.12	21.23	21.16	22	0		
15	16QAM	36	39	21.23	21.15	21.11	22	0		
15	16QAM	75	0	21.07	21.27	21.08	22	0		
15	64QAM	1	0	21.03	21.18	21.18	22	0		
15	64QAM	1	37	21.13	21.18	21.17	22	0		
15	64QAM	1	74	21.06	21.17	21.02	22	0		
15	64QAM	36	0	20.37	20.63	20.46	21.5	0.5		
15	64QAM	36	20	20.45	20.53	20.49	21.5	0.5		
15	64QAM	36	39	20.47	20.54	20.45	21.5	0.5		
15	64QAM	75	0	20.43	20.52	20.58	21.5	0.5		
15	256QAM	1	0	18.48	18.68	18.63	19.5	2.5		
15	256QAM	1	37	18.56	18.57	18.48	19.5	2.5		
15	256QAM	1	74	18.45	18.47	18.53	19.5	2.5		
15	256QAM	36	0	18.48	18.65	18.46	19.5	2.5		
15	256QAM	36	20	18.56	18.59	18.53	19.5	2.5		
15	256QAM	36	39	18.46	18.63	18.51	19.5	2.5		
15	256QAM	75	0	18.51	18.64	18.50	19.5	2.5		
Channel				37800	38000	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	21.16	21.29	21.29	22	0		
10	QPSK	1	25	21.08	21.27	21.15	22	0		
10	QPSK	1	49	21.15	21.31	21.21	22	0		
10	QPSK	25	0	21.10	21.28	21.10	22	0		
10	QPSK	25	12	21.15	21.16	21.11	22	0		
10	QPSK	25	25	21.06	21.19	21.05	22	0		
10	QPSK	50	0	21.17	21.20	21.25	22	0		
10	16QAM	1	0	21.11	21.28	21.09	22	0		
10	16QAM	1	25	21.06	21.25	21.06	22	0		
10	16QAM	1	49	21.03	21.19	21.06	22	0		
10	16QAM	25	0	21.22	21.20	21.13	22	0		
10	16QAM	25	12	21.15	21.27	21.14	22	0		
10	16QAM	25	25	21.13	21.17	21.11	22	0		
10	16QAM	50	0	21.06	21.19	21.08	22	0		
10	64QAM	1	0	21.07	21.21	21.12	22	0		
10	64QAM	1	25	21.17	21.24	21.04	22	0		
10	64QAM	1	49	21.07	21.18	21.10	22	0		
10	64QAM	25	0	20.42	20.63	20.51	21.5	0.5		
10	64QAM	25	12	20.38	20.50	20.57	21.5	0.5		
10	64QAM	25	25	20.47	20.50	20.42	21.5	0.5		
10	64QAM	50	0	20.48	20.53	20.56	21.5	0.5		
10	256QAM	1	0	18.43	18.69	18.56	19.5	2.5		
10	256QAM	1	25	18.53	18.55	18.53	19.5	2.5		
10	256QAM	1	49	18.51	18.56	18.58	19.5	2.5		
10	256QAM	25	0	18.44	18.67	18.51	19.5	2.5		
10	256QAM	25	12	18.52	18.56	18.47	19.5	2.5		
10	256QAM	25	25	18.47	18.66	18.47	19.5	2.5		
10	256QAM	50	0	18.54	18.60	18.41	19.5	2.5		
Channel				37775	38000	38225				
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	21.20	21.28	21.32	22	0		
5	QPSK	1	12	21.19	21.28	21.19	22	0		
5	QPSK	1	24	21.13	21.29	21.26	22	0		
5	QPSK	12	0	21.12	21.22	21.07	22	0		
5	QPSK	12	7	21.13	21.12	21.06	22	0		
5	QPSK	12	13	20.99	21.19	21.04	22	0		
5	QPSK	25	0	21.08	21.25	21.16	22	0		
5	16QAM	1	0	21.21	21.29	21.15	22	0		
5	16QAM	1	12	21.05	21.15	21.18	22	0		
5	16QAM	1	24	21.03	21.14	21.09	22	0		
5	16QAM	12	0	21.23	21.19	21.20	22	0		
5	16QAM	12	7	21.19	21.29	21.19	22	0		
5	16QAM	12	13	21.23	21.17	21.13	22	0		
5	16QAM	25	0	21.11	21.18	21.05	22	0		
5	64QAM	1	0	21.01	21.18	21.06	22	0		
5	64QAM	1	12	21.12	21.23	21.10	22	0		
5	64QAM	1	24	21.01	21.16	21.07	22	0		
5	64QAM	12	0	20.38	20.60	20.48	21.5	0.5		
5	64QAM	12	7	20.44	20.46	20.48	21.5	0.5		
5	64QAM	12	13	20.46	20.49	20.44	21.5	0.5		
5	64QAM	25	0	20.48	20.56	20.51	21.5	0.5		
5	256QAM	1	0	18.43	18.60	18.66	19.5	2.5		
5	256QAM	1	12	18.49	18.55	18.59	19.5	2.5		
5	256QAM	1	24	18.53	18.51	18.50	19.5	2.5		
5	256QAM	12	0	18.48	18.71	18.44	19.5	2.5		
5	256QAM	12	7	18.56	18.58	18.55	19.5	2.5		
5	256QAM	12	13	18.53	18.69	18.44	19.5	2.5		
5	256QAM	25	0	18.55	18.58	18.42	19.5	2.5		

Band 41 Ant5 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	21.31	21.43	21.48	22	0		
20	QPSK	1	49	21.28	21.36	21.41	22	0		
20	QPSK	1	99	21.29	21.25	21.38	22	0		
20	QPSK	50	0	21.23	21.24	21.42	22	0		



Band 42 FCC Part27Q Ant9 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.06	19.21	19.12	20.2	0	
20	QPSK	1	49	19.14	19.18	19.11			
20	QPSK	1	99	19.10	19.14	19.02			
20	QPSK	50	0	18.99	19.17	19.04	20.2	0	
20	QPSK	50	24	19.07	19.13	19.05			
20	QPSK	50	50	19.03	19.10	19.06			
20	QPSK	100	0	19.00	19.10	19.01	20.2	0	
20	16QAM	1	0	19.05	19.19	19.00			
20	16QAM	1	49	19.08	19.14	19.16			
20	16QAM	1	99	19.00	19.14	19.03	20.2	0	
20	16QAM	50	0	19.08	19.06	19.04			
20	16QAM	50	24	18.91	19.12	18.92			
20	16QAM	50	50	19.04	19.19	18.99	20.2	0	
20	16QAM	100	0	19.02	19.08	19.14			
20	64QAM	1	0	18.92	19.13	18.96			
20	64QAM	1	49	19.06	19.07	18.98	20.2	0	
20	64QAM	1	99	18.99	19.11	19.05			
20	64QAM	50	0	18.96	19.14	19.04			
20	64QAM	50	24	19.10	19.05	19.07	20.2	0	
20	64QAM	50	50	19.01	19.05	18.97			
20	64QAM	100	0	19.02	19.09	18.97			
20	256QAM	1	0	18.98	19.13	18.98	20.2	0	
20	256QAM	1	49	19.02	19.14	19.00			
20	256QAM	1	99	19.11	19.18	19.05			
20	256QAM	50	0	19.15	19.16	19.03	20.2	0	
20	256QAM	50	24	19.11	19.10	19.02			
20	256QAM	50	50	19.06	19.11	18.99			
20	256QAM	100	0	19.02	19.16	18.94			
Channel				42165	42560	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.95	19.06	18.95	20.2	0	
15	QPSK	1	37	19.10	19.05	19.04			
15	QPSK	1	74	19.07	19.02	18.96			
15	QPSK	36	0	18.86	19.01	18.89	20.2	0	
15	QPSK	36	20	18.97	19.05	18.99			
15	QPSK	36	39	18.99	19.03	18.99			
15	QPSK	75	0	18.97	19.04	18.94	20.2	0	
15	16QAM	1	0	18.93	19.15	18.91			
15	16QAM	1	37	18.99	19.02	19.12			
15	16QAM	1	74	18.90	19.10	19.01	20.2	0	
15	16QAM	36	0	18.93	18.96	19.01			
15	16QAM	36	20	18.78	19.05	18.77			
15	16QAM	36	39	18.91	19.13	18.91	20.2	0	
15	16QAM	75	0	18.96	18.99	19.05			
15	64QAM	1	0	18.76	18.99	18.86			
15	64QAM	1	37	18.92	18.96	18.87	20.2	0	
15	64QAM	1	74	18.90	19.36	18.89			
15	64QAM	36	0	18.89	19.08	19.00			
15	64QAM	36	20	18.97	18.95	18.94	20.2	0	
15	64QAM	36	39	18.90	19.00	18.85			
15	64QAM	75	0	18.93	18.92	18.94			
15	256QAM	1	0	18.92	19.10	18.84	20.2	0	
15	256QAM	1	37	19.01	19.05	18.96			
15	256QAM	1	74	18.95	19.13	18.92			
15	256QAM	36	0	19.05	19.09	18.98	20.2	0	
15	256QAM	36	20	19.01	19.05	18.98			
15	256QAM	36	39	18.99	19.04	18.82			
15	256QAM	75	0	18.99	19.11	18.83			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.91	19.17	19.07	20.2	0	
10	QPSK	1	25	19.00	19.09	19.04			
10	QPSK	1	49	18.96	18.99	18.97			
10	QPSK	25	0	18.96	19.14	18.97	20.2	0	
10	QPSK	25	12	18.96	19.03	18.96			
10	QPSK	25	25	18.86	19.01	19.04			
10	QPSK	50	0	18.90	19.07	18.92	20.2	0	
10	16QAM	1	0	18.99	19.02	18.90			
10	16QAM	1	25	18.91	19.08	19.01			
10	16QAM	1	49	18.96	19.08	18.95	20.2	0	
10	16QAM	25	0	18.97	18.96	18.99			
10	16QAM	25	12	18.76	19.07	18.85			
10	16QAM	25	25	18.93	19.04	18.89	20.2	0	
10	16QAM	50	0	18.96	18.93	19.08			
10	64QAM	1	0	18.93	19.08	18.82			
10	64QAM	1	25	18.96	18.92	18.96	20.2	0	
10	64QAM	1	49	18.85	18.97	18.93			
10	64QAM	25	0	18.92	19.04	18.89			
10	64QAM	25	12	19.01	18.98	18.92	20.2	0	
10	64QAM	25	25	18.96	18.96	18.82			
10	64QAM	50	0	18.88	18.98	18.82			
10	256QAM	1	0	18.86	18.98	18.94	20.2	0	
10	256QAM	1	25	18.85	19.09	18.86			
10	256QAM	1	49	19.02	19.10	19.03			
10	256QAM	25	0	19.00	19.03	18.91	20.2	0	
10	256QAM	25	12	19.01	19.00	18.99			
10	256QAM	25	25	19.03	18.98	18.84			
10	256QAM	50	0	18.93	19.12	18.89			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.00	19.16	19.08	20.2	0	
5	QPSK	1	12	19.11	19.02	19.08			
5	QPSK	1	24	19.01	19.02	18.90			
5	QPSK	12	0	18.91	19.10	18.94	20.2	0	
5	QPSK	12	7	18.99	18.97	18.97			
5	QPSK	12	13	19.01	18.93	19.00			
5	QPSK	25	0	18.96	19.06	18.98	20.2	0	
5	16QAM	1	0	18.96	19.14	18.84			
5	16QAM	1	12	19.00	19.01	19.09			
5	16QAM	1	24	18.97	19.10	18.88	20.2	0	
5	16QAM	12	0	18.98	18.92	19.00			
5	16QAM	12	7	18.96	18.97	18.77			
5	16QAM	12	13	18.94	19.10	18.96	20.2	0	
5	16QAM	25	0	19.01	18.92	19.01			
5	64QAM	1	0	18.80	19.09	18.89			
5	64QAM	1	12	18.98	18.95	18.87	20.2	0	
5	64QAM	1	24	18.85	18.94	19.00			
5	64QAM	12	0	18.94	18.97	18.99			
5	64QAM	12	7	19.07	19.02	19.04	20.2	0	
5	64QAM	12	13	18.85	19.03	18.94			
5	64QAM	25	0	18.87	18.97	18.94			
5	256QAM	1	0	18.87	19.01	18.86	20.2	0	
5	256QAM	1	12	19.00	19.04	18.90			
5	256QAM	1	24	18.95	19.03	19.01			
5	256QAM	12	0	19.02	19.07	18.91	20.2	0	
5	256QAM	12	7	19.08	18.97	18.92			
5	256QAM	12	13	18.95	19.03	18.96			
5	256QAM	25	0	18.95	19.05	18.88			



### Band 42 FCC Part27Q Default Ant 10 DS11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.97	25.11	24.87	25.7	0
20	QPSK	1	49	24.97	25.04	25.04		
20	QPSK	1	99	24.94	25.02	24.97		
20	QPSK	50	0	24.00	24.16	24.06	24.7	1
20	QPSK	50	24	23.99	24.08	23.99		
20	QPSK	50	50	24.03	24.05	24.03		
20	QPSK	100	0	23.93	24.10	23.99	24.7	1
20	16QAM	1	0	24.21	24.24	24.22		
20	16QAM	1	49	23.95	24.12	24.08		
20	16QAM	1	99	23.97	24.10	23.95	23.7	2
20	16QAM	50	0	22.98	23.17	23.02		
20	16QAM	50	24	23.01	23.05	23.12		
20	16QAM	50	50	23.03	23.11	23.07	23.7	2
20	16QAM	100	0	22.98	23.07	23.03		
20	64QAM	1	0	23.21	23.26	23.23		
20	64QAM	1	49	23.03	23.14	22.96	23.7	2
20	64QAM	1	99	22.83	23.09	23.07		
20	64QAM	50	0	22.07	22.18	22.06		
20	64QAM	50	24	21.97	22.10	22.10	22.7	3
20	64QAM	50	50	21.98	22.10	22.05		
20	64QAM	100	0	22.03	22.15	22.10		
20	256QAM	1	0	19.95	20.08	20.04	20.7	5
20	256QAM	1	49	19.96	20.18	20.06		
20	256QAM	1	99	20.01	20.19	20.02		
20	256QAM	50	0	20.00	20.19	20.07	20.7	5
20	256QAM	50	24	19.98	20.15	20.03		
20	256QAM	50	50	20.08	20.06	20.00		
20	256QAM	100	0	20.04	20.17	20.07		
Channel				42165	42590	43015		
Frequency (MHz)				3452.5	3500	3547.5		
15	QPSK	1	0	24.99	25.07	24.81	25.7	0
15	QPSK	1	37	24.89	24.93	24.93		
15	QPSK	1	74	24.86	24.94	24.83		
15	QPSK	36	0	23.90	24.04	23.99	24.7	1
15	QPSK	36	20	23.88	24.06	23.85		
15	QPSK	36	39	23.91	24.01	23.93		
15	QPSK	75	0	23.80	24.00	23.87	24.7	1
15	16QAM	1	0	24.13	24.13	24.13		
15	16QAM	1	37	23.90	24.12	23.96		
15	16QAM	1	74	23.83	24.00	23.92	23.7	2
15	16QAM	36	0	22.95	23.07	22.92		
15	16QAM	36	39	22.98	22.98	23.08		
15	16QAM	36	39	23.03	23.04	22.97	23.7	2
15	16QAM	75	0	22.95	22.95	22.91		
15	64QAM	1	0	23.20	23.12	23.10		
15	64QAM	1	37	22.97	23.12	22.81	23.7	2
15	64QAM	1	74	22.85	22.94	22.94		
15	64QAM	36	0	22.01	22.11	21.95		
15	64QAM	36	20	21.95	21.95	22.00	22.7	3
15	64QAM	36	39	21.88	21.97	21.92		
15	64QAM	75	0	21.95	22.03	22.00		
15	256QAM	1	0	19.94	20.07	19.97	20.7	5
15	256QAM	1	37	19.97	20.17	20.00		
15	256QAM	1	74	19.90	20.09	19.89		
15	256QAM	36	0	19.93	20.19	19.95	20.7	5
15	256QAM	36	20	19.88	20.03	19.97		
15	256QAM	36	39	19.99	20.03	19.98		
15	256QAM	75	0	19.99	20.02	19.98		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.92	25.02	24.80	25.7	0
10	QPSK	1	25	24.82	24.99	24.92		
10	QPSK	1	49	24.91	25.00	24.82		
10	QPSK	25	0	23.92	24.03	24.04	24.7	1
10	QPSK	25	12	23.98	24.06	23.97		
10	QPSK	25	25	23.97	23.94	24.01		
10	QPSK	50	0	23.79	23.96	23.97	24.7	1
10	16QAM	1	0	24.11	24.22	24.13		
10	16QAM	1	25	23.67	24.10	23.93		
10	16QAM	1	49	23.85	24.07	23.94	23.7	2
10	16QAM	25	0	22.89	23.10	22.93		
10	16QAM	25	12	22.97	22.97	23.01		
10	16QAM	25	25	22.99	23.05	22.93	23.7	2
10	16QAM	50	0	22.93	23.05	23.00		
10	64QAM	1	0	23.14	23.16	23.17		
10	64QAM	1	25	22.92	23.10	22.87	23.7	2
10	64QAM	1	49	22.87	23.07	22.94		
10	64QAM	25	0	21.93	22.07	21.98		
10	64QAM	25	12	21.89	22.02	22.03	22.7	3
10	64QAM	25	25	21.91	22.21	21.99		
10	64QAM	50	0	21.91	22.02	21.98		
10	256QAM	1	0	19.87	19.94	19.99	20.7	5
10	256QAM	1	25	19.91	20.05	19.99		
10	256QAM	1	49	19.87	20.19	20.00		
10	256QAM	25	0	19.93	20.06	19.94	20.7	5
10	256QAM	25	12	19.93	20.12	19.89		
10	256QAM	25	25	19.94	19.92	19.89		
10	256QAM	50	0	20.00	20.10	20.05		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.83	25.06	24.83	25.7	0
5	QPSK	1	12	24.88	25.00	24.99		
5	QPSK	1	24	24.90	24.98	24.93		
5	QPSK	12	0	24.00	24.02	23.98	24.7	1
5	QPSK	12	7	23.94	23.94	23.98		
5	QPSK	12	13	24.00	24.04	23.92		
5	QPSK	25	0	23.98	23.98	23.94	24.7	1
5	16QAM	1	0	24.14	24.09	24.20		
5	16QAM	1	12	23.81	24.07	24.07		
5	16QAM	1	24	23.84	24.04	23.93	23.7	2
5	16QAM	12	0	22.85	23.10	23.00		
5	16QAM	12	7	22.94	22.99	22.97		
5	16QAM	12	13	22.92	23.07	22.98	23.7	2
5	16QAM	25	0	22.98	22.96	22.93		
5	64QAM	1	0	23.06	23.22	23.19		
5	64QAM	1	12	22.97	23.00	22.91	23.7	2
5	64QAM	1	24	22.89	22.98	22.97		
5	64QAM	12	0	22.02	22.05	22.03		
5	64QAM	12	7	21.88	21.92	21.97	22.7	3
5	64QAM	12	13	21.92	22.09	22.04		
5	64QAM	25	0	22.00	22.10	22.03		
5	256QAM	1	0	19.90	19.94	19.90	20.7	5
5	256QAM	1	12	19.95	20.15	20.03		
5	256QAM	1	24	19.87	20.10	19.94		
5	256QAM	12	0	19.87	20.14	20.03	20.7	5
5	256QAM	12	7	19.89	20.09	19.93		
5	256QAM	12	13	19.93	20.03	19.85		
5	256QAM	25	0	19.97	20.10	20.02		



Band 42 FCC Part27Q Ant11 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.32	18.53	18.45	19.2	0	
20	QPSK	1	49	18.38	18.50	18.37			
20	QPSK	1	99	18.31	18.43	18.36			
20	QPSK	50	0	18.30	18.49	18.42	19.2	0	
20	QPSK	50	24	18.37	18.42	18.31			
20	QPSK	50	50	18.36	18.44	18.35			
20	QPSK	100	0	18.26	18.47	18.37	19.2	0	
20	16QAM	1	0	18.35	18.42	18.28			
20	16QAM	1	49	18.23	18.36	18.29			
20	16QAM	1	99	18.24	18.31	18.21	19.2	0	
20	16QAM	50	0	18.39	18.46	18.34			
20	16QAM	50	24	18.32	18.40	18.26			
20	16QAM	50	50	18.25	18.35	18.27	19.2	0	
20	16QAM	100	0	18.36	18.49	18.43			
20	64QAM	1	0	18.37	18.50	18.43			
20	64QAM	1	49	18.39	18.46	18.37	19.2	0	
20	64QAM	1	99	18.28	18.42	18.32			
20	64QAM	50	0	18.37	18.51	18.38			
20	64QAM	50	24	18.36	18.43	18.31	19.2	0	
20	64QAM	50	50	18.41	18.34	18.40			
20	64QAM	100	0	18.40	18.46	18.34			
20	256QAM	1	0	18.33	18.43	18.31	19.2	0	
20	256QAM	1	49	18.30	18.38	18.29			
20	256QAM	1	99	18.19	18.32	18.18			
20	256QAM	50	0	18.38	18.45	18.41	19.2	0	
20	256QAM	50	24	18.17	18.32	18.28			
20	256QAM	50	50	18.29	18.41	18.34			
20	256QAM	100	0	18.38	18.48	18.37			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.18	18.42	18.34	19.2	0	
15	QPSK	1	37	18.27	18.37	18.32			
15	QPSK	1	74	18.23	18.30	18.26			
15	QPSK	36	0	18.19	18.42	18.29	19.2	0	
15	QPSK	36	20	18.22	18.29	18.20			
15	QPSK	36	39	18.28	18.34	18.24			
15	QPSK	75	0	18.14	18.39	18.28	19.2	0	
15	16QAM	1	0	18.26	18.36	18.24			
15	16QAM	1	37	18.11	18.33	18.17			
15	16QAM	1	74	18.20	18.24	18.16	19.2	0	
15	16QAM	36	0	18.27	18.39	18.27			
15	16QAM	36	20	18.25	18.32	18.20			
15	16QAM	36	39	18.13	18.23	18.23	19.2	0	
15	16QAM	75	0	18.24	18.34	18.38			
15	64QAM	1	0	18.34	18.47	18.38			
15	64QAM	1	37	18.25	18.33	18.22	19.2	0	
15	64QAM	1	74	18.22	18.30	18.23			
15	64QAM	36	0	18.29	18.40	18.24			
15	64QAM	36	20	18.22	18.33	18.25	19.2	0	
15	64QAM	36	39	18.36	18.40	18.36			
15	64QAM	75	0	18.31	18.39	18.22			
15	256QAM	1	0	18.27	18.32	18.24	19.2	0	
15	256QAM	1	37	18.16	18.29	18.20			
15	256QAM	1	74	18.09	18.27	18.07			
15	256QAM	36	0	18.26	18.35	18.36	19.2	0	
15	256QAM	36	20	18.07	18.25	18.16			
15	256QAM	36	39	18.16	18.37	18.20			
15	256QAM	75	0	18.25	18.37	18.25			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.25	18.48	18.41	19.2	0	
10	QPSK	1	25	18.30	18.46	18.34			
10	QPSK	1	49	18.19	18.29	18.22			
10	QPSK	25	0	18.25	18.40	18.30	19.2	0	
10	QPSK	25	12	18.25	18.35	18.22			
10	QPSK	25	25	18.24	18.37	18.29			
10	QPSK	50	0	18.21	18.44	18.29	19.2	0	
10	16QAM	1	0	18.32	18.34	18.20			
10	16QAM	1	25	18.12	18.21	18.16			
10	16QAM	1	49	18.11	18.26	18.14	19.2	0	
10	16QAM	25	0	18.33	18.34	18.22			
10	16QAM	25	12	18.27	18.32	18.13			
10	16QAM	25	25	18.21	18.25	18.16	19.2	0	
10	16QAM	50	0	18.29	18.37	18.37			
10	64QAM	1	0	18.26	18.44	18.33			
10	64QAM	1	25	18.26	18.37	18.23	19.2	0	
10	64QAM	1	49	18.22	18.37	18.21			
10	64QAM	25	0	18.26	18.44	18.32			
10	64QAM	25	12	18.26	18.36	18.18	19.2	0	
10	64QAM	25	25	18.29	18.39	18.28			
10	64QAM	50	0	18.32	18.36	18.31			
10	256QAM	1	0	18.28	18.28	18.17	19.2	0	
10	256QAM	1	25	18.23	18.34	18.19			
10	256QAM	1	49	18.15	18.17	18.04			
10	256QAM	25	0	18.31	18.34	18.29	19.2	0	
10	256QAM	25	12	18.07	18.22	18.13			
10	256QAM	25	25	18.23	18.29	18.26			
10	256QAM	50	0	18.26	18.40	18.27			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.25	18.46	18.41	19.2	0	
5	QPSK	1	12	18.30	18.46	18.34			
5	QPSK	1	24	18.19	18.29	18.22			
5	QPSK	12	0	18.25	18.40	18.30	19.2	0	
5	QPSK	12	7	18.25	18.35	18.22			
5	QPSK	12	13	18.24	18.37	18.29			
5	QPSK	25	0	18.21	18.44	18.29	19.2	0	
5	16QAM	1	0	18.32	18.34	18.20			
5	16QAM	1	12	18.12	18.21	18.16			
5	16QAM	1	24	18.11	18.26	18.14	19.2	0	
5	16QAM	12	0	18.33	18.34	18.22			
5	16QAM	12	7	18.27	18.32	18.13			
5	16QAM	12	13	18.21	18.25	18.16	19.2	0	
5	16QAM	25	0	18.29	18.37	18.37			
5	64QAM	1	0	18.26	18.44	18.33			
5	64QAM	1	12	18.26	18.37	18.23	19.2	0	
5	64QAM	1	24	18.32	18.37	18.21			
5	64QAM	12	0	18.26	18.44	18.32			
5	64QAM	12	7	18.26	18.38	18.18	19.2	0	
5	64QAM	12	13	18.29	18.39	18.28			
5	64QAM	25	0	18.32	18.36	18.31			
5	256QAM	1	0	18.28	18.28	18.17	19.2	0	
5	256QAM	1	12	18.23	18.34	18.19			
5	256QAM	1	24	18.15	18.17	18.04			
5	256QAM	12	0	18.31	18.34	18.29	19.2	0	
5	256QAM	12	7	18.07	18.22	18.13			
5	256QAM	12	13	18.23	18.29	18.26			
5	256QAM	25	0	18.26	18.40	18.27			



Reduced Power Mode for DSI 1\_ENDC

Band 12 Ant1 DSI1 for ENDC									
RBW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				704	707.5	711			
Frequency (MHz)				23060	23095	23130			
10	QPSK	1	0	21.58	21.79	21.58			
10	QPSK	1	25	21.62	21.63	21.65	23	0	
10	QPSK	1	49	21.42	21.71	21.50			
10	QPSK	25	0	21.62	21.74	21.54			
10	QPSK	25	12	21.58	21.68	21.59	23	0	
10	QPSK	25	25	21.53	21.41	21.51			
10	QPSK	50	0	21.41	21.56	21.43			
10	16QAM	1	0	21.56	21.72	21.65			
10	16QAM	1	25	21.60	21.73	21.68	23	0	
10	16QAM	1	49	21.46	21.62	21.45			
10	16QAM	25	0	21.67	21.68	21.60			
10	16QAM	25	12	21.68	21.67	21.42	23	0	
10	16QAM	25	25	21.52	21.53	21.55			
10	16QAM	50	0	21.43	21.56	21.63			
10	64QAM	1	0	21.63	21.69	21.67			
10	64QAM	1	25	21.58	21.62	21.48	23	0	
10	64QAM	1	49	21.38	21.68	21.58			
10	64QAM	25	0	20.54	20.77	20.60			
10	64QAM	25	12	20.50	20.59	20.58	22.5	0.5	
10	64QAM	25	25	20.55	20.56	20.69			
10	64QAM	50	0	20.53	20.69	20.58			
10	256QAM	1	0	19.02	19.06	19.18			
10	256QAM	1	25	19.13	19.11	19.13	20.5	2.5	
10	256QAM	1	49	18.97	19.00	19.22			
10	256QAM	25	0	19.17	19.14	19.03			
10	256QAM	25	12	19.11	19.04	19.00	20.5	2.5	
10	256QAM	25	25	19.08	19.26	19.02			
10	256QAM	50	0	18.97	19.20	19.13			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	21.58	21.73	21.55			
5	QPSK	1	12	21.57	21.49	21.51	23	0	
5	QPSK	1	24	21.58	21.64	21.56			
5	QPSK	12	0	21.68	21.70	21.41			
5	QPSK	12	7	21.47	21.59	21.57	23	0	
5	QPSK	12	13	21.60	21.49	21.61			
5	QPSK	25	0	21.28	21.65	21.62			
5	16QAM	1	0	21.56	21.72	21.60			
5	16QAM	1	12	21.46	21.55	21.61	23	0	
5	16QAM	1	24	21.51	21.54	21.44			
5	16QAM	12	0	21.67	21.72	21.67			
5	16QAM	12	7	21.55	21.53	21.39	23	0	
5	16QAM	12	13	21.66	21.58	21.46			
5	16QAM	25	0	21.40	21.53	21.67			
5	16QAM	1	0	21.52	21.72	21.67	23	0	
5	16QAM	1	12	21.49	21.65	21.54			
5	16QAM	1	24	21.38	21.74	21.71			
5	16QAM	12	0	21.12	21.17	21.03			
5	16QAM	12	7	20.97	20.98	20.79	22.5	0.5	
5	16QAM	12	13	20.89	21.25	21.08			
5	16QAM	25	0	20.88	21.13	20.92			
5	256QAM	1	0	18.97	18.95	19.15			
5	256QAM	1	12	18.97	18.95	19.10	20.5	2.5	
5	256QAM	1	24	19.20	19.13	19.35			
5	256QAM	12	0	19.19	19.24	18.95			
5	256QAM	12	7	18.97	19.01	19.12	20.5	2.5	
5	256QAM	12	13	19.25	19.11	19.31			
5	256QAM	25	0	18.83	19.20	19.08			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	21.62	21.71	21.52			
3	QPSK	1	8	21.43	21.55	21.72	23	0	
3	QPSK	1	14	21.37	21.64	21.46			
3	QPSK	8	0	21.51	21.73	21.34			
3	QPSK	8	4	21.39	21.61	21.60	23	0	
3	QPSK	8	7	21.55	21.70	21.38			
3	QPSK	15	0	21.38	21.64	21.50			
3	16QAM	1	0	21.69	21.73	21.60			
3	16QAM	1	8	21.58	21.64	21.65	23	0	
3	16QAM	1	14	21.72	21.77	21.63			
3	16QAM	8	0	21.73	21.67	21.44			
3	16QAM	8	4	21.45	21.61	21.38	23	0	
3	16QAM	8	7	21.60	21.69	21.60			
3	16QAM	15	0	21.45	21.76	21.78			
3	64QAM	1	0	21.72	21.76	21.59			
3	64QAM	1	8	21.41	21.69	21.57	23	0	
3	64QAM	1	14	21.43	21.54	21.73			
3	64QAM	8	0	21.03	21.34	21.04	22.5	0.5	
3	64QAM	8	4	21.10	21.24	21.08			
3	64QAM	8	7	21.06	21.20	21.08			
3	64QAM	15	0	21.00	21.23	21.03			
3	256QAM	1	0	19.02	19.14	18.93			
3	256QAM	1	8	19.25	19.19	19.12	20.5	2.5	
3	256QAM	1	14	19.11	19.34	19.15			
3	256QAM	8	0	19.02	19.18	19.01			
3	256QAM	8	4	19.01	19.21	19.08	20.5	2.5	
3	256QAM	8	7	19.26	19.27	18.89			
3	256QAM	15	0	18.99	18.93	19.09			
Channel				23017	23095	23173			
Frequency (MHz)				697	707.5	715.5			
1.4	QPSK	1	0	21.71	21.66	21.65			
1.4	QPSK	1	3	21.52	21.64	21.52	23	0	
1.4	QPSK	1	5	21.45	21.76	21.45			
1.4	QPSK	3	0	21.57	21.78	21.44			
1.4	QPSK	3	1	21.59	21.68	21.47			
1.4	QPSK	3	3	21.56	21.42	21.61	23	0	
1.4	QPSK	6	0	21.31	21.49	21.44			
1.4	16QAM	1	0	21.76	21.72	21.70			
1.4	16QAM	1	3	21.38	21.73	21.75	23	0	
1.4	16QAM	1	5	21.42	21.52	21.68			
1.4	16QAM	3	0	21.70	21.69	21.56			
1.4	16QAM	3	1	21.60	21.65	21.45			
1.4	16QAM	3	3	21.51	21.61	21.38	23	0	
1.4	16QAM	6	0	21.47	21.71	21.59			
1.4	64QAM	1	0	21.57	21.71	21.61			
1.4	64QAM	1	3	21.37	21.58	21.74	23	0	
1.4	64QAM	1	5	21.55	21.72	21.63			
1.4	64QAM	3	0	21.66	21.53	21.74			
1.4	64QAM	3	1	21.37	21.47	21.54	22.5	0.5	
1.4	64QAM	3	3	21.60	21.68	21.62			
1.4	64QAM	6	0	21.17	21.00	20.94	22.5	0.5	
1.4	256QAM	1	0	19.05	19.10	19.10			
1.4	256QAM	1	3	19.16	19.29	19.20			
1.4	256QAM	1	5	19.02	19.15	19.16	20.5	2.5	
1.4	256QAM	3	0	18.87	19.21	19.06			
1.4	256QAM	3	1	19.02	19.12	19.23			
1.4	256QAM	3	3	19.12	19.16	18.93	20.5	2.5	
1.4	256QAM	6	0	18.99	19.23	18.93			

Band 17 Ant1 DSI1 for ENDC									
RBW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				709	710	711			
Frequency (MHz)				23780	23790	23800			
10	QPSK	1	0	21.64	21.77	21.67			
10	QPSK	1	25	21.48	21.64	21.52	22.5	0	
10	QPSK	1	49	21.54	21.73	21.63			
10	QPSK	25	0	21.43	21.68	21.52			
10	QPSK	25	12	21.58	21.52	21.57	22.5	0	
10	QPSK	25	25	21.63	21.56	21.46			
10	QPSK	50	0	21.38	21.63	21.46			
10	16QAM	1	0	21.70	21.67	21.67			
10	16QAM	1	25	21.66	21.65	21.43	22.5	0	
10	16QAM	1	49	21.62	21.54	21.53			
10	16QAM	25	0	21.39	21.73	21.61			
10	16QAM	25	12	21.41	21.66	21.58	22.5	0	
10	16QAM	25	25	21.56	21.63	21.47			
10	16QAM	50	0	21.54	21.44	21.46			
10	64QAM								



Band 2 Ant 4 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	MPE (dB)		
Channel										
1800 1800 1900										
20	QPSK	1	0	18.69	18.15	18.66				
20	QPSK	1	49	18.67	18.16	18.65	20.5	0		
20	QPSK	1	99	18.67	18.16	18.65				
20	QPSK	50	0	18.64	18.14	18.68				
20	QPSK	50	24	18.73	18.23	18.63	20.5	0		
20	QPSK	50	50	18.61	18.09	18.65				
20	QPSK	100	0	18.77	18.26	18.68				
20	16QAM	50	0	18.94	18.39	18.69				
20	16QAM	1	49	18.56	18.54	18.83	20.5	0		
20	16QAM	1	99	18.57	18.79	18.81				
20	16QAM	50	0	18.77	18.76	18.82	20.5	0		
20	16QAM	50	24	18.61	18.52	18.77				
20	16QAM	50	50	18.65	18.85	18.85				
20	16QAM	100	0	18.66	18.83	18.94				
20	16QAM	1	49	18.52	18.81	18.86	20.5	0		
20	16QAM	1	99	18.52	18.85	18.78				
20	16QAM	50	0	18.50	18.92	18.76				
20	16QAM	50	24	18.53	18.83	18.80	20.5	0		
20	16QAM	50	50	18.71	18.93	18.82				
20	16QAM	100	0	18.63	18.79	18.83				
20	16QAM	100	0	18.66	18.83	18.94				
20	16QAM	1	49	18.34	18.12	18.32	19.5	1		
20	16QAM	1	99	18.14	18.28	18.07				
20	16QAM	50	0	18.10	18.29	18.04				
20	16QAM	50	24	18.26	18.28	18.14	19.5	1		
20	16QAM	50	50	18.28	18.09	18.06				
20	16QAM	100	0	18.20	18.28	18.04				
Channel										
1817.5 1880 1922.5										
15	QPSK	1	0	18.62	18.88	18.83				
15	QPSK	1	37	18.60	18.86	18.82	20.5	0		
15	QPSK	1	74	18.56	18.76	18.67				
15	QPSK	36	0	18.63	18.74	18.80				
15	QPSK	36	20	18.69	18.73	18.67	20.5	0		
15	QPSK	36	39	18.57	18.80	18.81				
15	QPSK	75	0	18.65	18.84	18.73				
15	16QAM	1	0	18.78	18.84	18.73	20.5	0		
15	16QAM	1	37	18.58	18.64	18.59				
15	16QAM	1	74	18.60	18.84	18.64				
15	16QAM	36	20	18.59	18.83	18.87	20.5	0		
15	16QAM	36	20	18.60	18.84	18.64				
15	16QAM	75	0	18.55	18.57	18.54				
15	16QAM	1	0	18.88	18.68	18.77	20.5	0		
15	16QAM	1	37	18.61	18.81	18.81				
15	16QAM	1	74	18.57	18.81	18.81				
15	16QAM	36	20	18.59	18.87	18.81	20.5	0		
15	16QAM	36	20	18.62	18.87	18.81				
15	16QAM	75	0	18.57	18.66	18.68				
15	16QAM	1	0	18.57	18.79	18.80	20.5	0		
15	16QAM	1	37	18.52	18.71	18.65				
15	16QAM	1	74	18.50	18.54	18.75				
15	16QAM	36	0	18.54	18.89	18.78	20.5	0		
15	16QAM	36	39	18.55	18.70	18.79				
15	16QAM	75	0	18.60	18.63	18.68				
15	16QAM	1	0	18.65	18.58	18.55	20.5	0		
15	16QAM	1	37	17.52	17.61	17.65				
15	16QAM	1	74	17.54	17.81	17.73	19.5	1		
15	16QAM	1	74	17.67	17.85	17.84				
15	16QAM	36	0	17.52	17.62	17.62	19.5	1		
15	16QAM	36	20	17.50	17.85	17.85				
15	16QAM	36	39	18.78	17.83	17.85	19.5	1		
15	16QAM	75	0	17.52	17.61	17.65				
Channel										
1860 1860 1925										
10	QPSK	1	0	18.61	18.78	18.78				
10	QPSK	1	25	18.68	18.76	18.55	20.5	0		
10	QPSK	1	49	18.51	18.56	18.82				
10	QPSK	12	0	18.79	18.82	18.82				
10	QPSK	25	12	18.74	18.58	18.82	20.5	0		
10	QPSK	25	25	18.78	18.81	18.70				
10	16QAM	1	0	18.78	18.84	18.82				
10	16QAM	1	24	18.63	18.66	18.60	20.5	0		
10	16QAM	1	49	18.66	18.82	18.82				
10	16QAM	25	0	18.77	18.81	18.81				
10	16QAM	25	12	18.57	18.83	18.80	20.5	0		
10	16QAM	25	25	18.62	18.80	18.80				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10	16QAM	50	0	18.52	18.82	18.85				
10	16QAM	1	0	18.82	18.87	18.83	20.5	0		
10	16QAM	1	24	18.84	18.84	18.85				
10	16QAM	1	49	18.72	18.85	18.79				
10	16QAM	25	0	18.62	18.70	18.71	20.5	0		
10	16QAM	25	12	18.62	18.72	18.65				
10										



Band 38 Ant4 DS1 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Mid Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	16.79	16.88	16.79	18	0		
20	QPSK	1	49	16.76	16.78	16.86				
20	QPSK	1	99	16.82	16.85	16.85				
20	QPSK	50	0	16.64	16.85	16.86				
20	QPSK	50	24	16.61	16.55	16.58				
20	QPSK	50	50	16.58	16.52	16.42				
20	QPSK	100	0	16.34	16.52	16.45				
20	16QAM	1	0	16.57	16.43	16.46				
20	16QAM	1	49	16.52	16.69	16.51				
20	16QAM	1	99	16.28	16.47	16.30				
20	16QAM	50	0	16.60	16.41	16.31				
20	16QAM	50	24	16.28	16.32	16.50				
20	16QAM	50	50	16.39	16.60	16.28				
20	16QAM	100	0	16.37	16.36	16.71				
20	16QAM	1	0	16.29	16.40	16.52				
20	16QAM	1	49	16.47	16.55	16.42				
20	16QAM	1	99	16.22	16.30	16.42				
20	16QAM	50	0	16.67	16.64	16.32				
20	16QAM	50	24	16.35	16.63	16.37				
20	16QAM	50	50	16.35	16.46	16.47				
20	16QAM	100	0	16.18	16.52	16.46				
20	256QAM	1	0	16.46	16.26	16.43				
20	256QAM	1	49	16.41	16.57	16.46				
20	256QAM	1	99	16.31	16.48	16.50				
20	256QAM	50	0	16.33	16.67	16.50				
20	256QAM	50	24	16.34	16.30	16.30				
20	256QAM	50	50	16.45	16.59	16.45				
20	256QAM	100	0	16.19	16.62	16.19				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25775	2595	2612.5				
15	QPSK	1	0	16.45	16.36	16.48	18	0		
15	QPSK	1	37	16.31	16.55	16.31				
15	QPSK	1	74	16.37	16.49	16.47				
15	QPSK	36	0	16.41	16.53	16.47				
15	QPSK	36	20	16.56	16.33	16.38				
15	QPSK	36	39	16.31	16.62	16.42				
15	QPSK	75	0	16.63	16.41	16.45				
15	16QAM	1	0	16.34	16.46	16.61				
15	16QAM	1	37	16.33	16.50	16.51				
15	16QAM	1	74	16.28	16.35	16.44				
15	16QAM	36	0	16.37	16.51	16.39				
15	16QAM	36	20	16.31	16.22	16.18				
15	16QAM	36	39	16.31	16.31	16.40				
15	16QAM	75	0	16.60	16.40	16.35				
15	16QAM	1	0	16.22	16.35	16.34				
15	16QAM	1	37	16.27	16.18	16.21				
15	16QAM	1	74	16.36	16.32	16.15				
15	16QAM	36	0	16.49	16.24	16.17				
15	16QAM	36	20	16.48	16.31	16.44				
15	16QAM	36	39	16.20	16.20	16.29				
15	16QAM	75	0	16.17	16.24	16.44				
15	256QAM	1	0	16.31	16.23	16.19				
15	256QAM	1	37	16.07	16.46	16.34				
15	256QAM	1	74	16.30	16.35	16.13				
15	256QAM	36	0	16.44	16.27	16.30				
15	256QAM	36	20	16.15	16.44	16.34				
15	256QAM	36	39	16.20	16.25	16.19				
15	256QAM	75	0	16.28	16.30	16.06				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	16.26	16.59	16.52	18	0		
10	QPSK	1	25	16.50	16.47	16.34				
10	QPSK	1	49	16.49	16.20	16.55				
10	QPSK	25	0	16.32	16.57	16.46				
10	QPSK	25	12	16.50	16.25	16.45				
10	QPSK	25	25	16.15	16.42	16.27				
10	QPSK	50	0	16.54	16.49	16.31				
10	16QAM	1	0	16.55	16.51	16.40				
10	16QAM	1	25	16.32	16.54	16.45				
10	16QAM	1	49	16.30	16.22	16.37				
10	16QAM	25	0	16.47	16.54	16.29				
10	16QAM	25	12	16.19	16.28	16.40				
10	16QAM	25	25	16.25	16.34	16.08				
10	16QAM	50	0	16.47	16.69	16.32				
10	16QAM	1	0	16.43	16.33	16.33				
10	16QAM	1	25	16.45	16.46	16.32				
10	16QAM	1	49	16.25	16.46	16.14				
10	16QAM	25	0	16.49	16.49	16.37				
10	16QAM	25	12	16.45	16.36	16.21				
10	16QAM	25	25	16.26	16.28	16.21				
10	16QAM	50	0	16.21	16.47	16.32				
10	256QAM	1	0	16.28	16.29	16.20				
10	256QAM	1	25	16.19	16.21	16.31				
10	256QAM	1	49	16.29	16.12	16.04				
10	256QAM	25	0	16.13	16.62	16.36				
10	256QAM	25	12	16.12	16.28	16.12				
10	256QAM	25	25	16.34	16.33	16.26				
10	256QAM	50	0	16.05	16.44	16.38				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25725	2595	2617.5				
5	QPSK	1	0	16.63	16.48	16.70	18	0		
5	QPSK	1	12	16.25	16.30	16.35				
5	QPSK	1	24	16.35	16.59	16.26				
5	QPSK	12	0	16.35	16.44	16.45				
5	QPSK	12	7	16.30	16.29	16.33				
5	QPSK	12	13	16.26	16.58	16.12				
5	QPSK	25	0	16.41	16.55	16.44				
5	16QAM	1	0	16.44	16.39	16.44				
5	16QAM	1	12	16.18	16.47	16.45				
5	16QAM	1	24	16.43	16.24	16.37				
5	16QAM	12	0	16.24	16.29	16.32				
5	16QAM	12	7	16.33	16.53	16.40				
5	16QAM	12	13	16.35	16.45	16.30				
5	16QAM	25	0	16.64	16.41	16.48				
5	16QAM	1	0	16.24	16.47	16.40				
5	16QAM	1	12	16.15	16.25	16.35				
5	16QAM	1	24	16.13	16.31	16.15				
5	16QAM	12	0	16.23	16.37	16.24				
5	16QAM	12	7	16.50	16.35	16.17				
5	16QAM	12	13	16.29	16.42	16.33				
5	16QAM	25	0	16.40	16.10	16.14				
5	256QAM	1	0	16.06	16.16	16.20				
5	256QAM	1	12	16.29	16.38	16.10				
5	256QAM	1	24	16.19	16.16	16.38				
5	256QAM	12	0	16.14	16.50	16.43				
5	256QAM	12	7	16.00	16.48	16.18				
5	256QAM	12	13	16.49	16.38	16.21				
5	256QAM	25	0	16.35	16.37	16.20				

Band 41 Ant4 DS1 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.65	16.59	16.71	16.37	16.45	18	0
20	QPSK	1	49	16.58	16.44	16.68	16.46	16.37		
20	QPSK	1	99	16.50	16.40	16.68	16.56	16.42		
20	QPSK	50	0	16.47	16.43	16.55	16.44	16.25		
20	QPSK	50	24	16.32	16.51	16.53	16.35	16.45		
20	QPSK	50	50	16.33	16.43	16.38	16.34	16.44		
20	QPSK	100	0	16.43	16.33	16.46	16.27	16.30		
20	16QAM	1	0	16.68	16.45	16.66	16.51	16.41		
20	16QAM	1	49	16.37	16.35	16.44	16.42	16.43		
20	16QAM	1	99	16.48	16.31	16				



Band 4 Ant5 DS1 for ULCA										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.88	16.13	15.94				
20	QPSK	1	49	16.76	16.01	15.82	17	0		
20	QPSK	1	99	16.79	15.96	15.75				
20	QPSK	50	0	16.84	16.13	15.89				
20	QPSK	50	24	16.83	16.09	15.87				
20	QPSK	50	50	16.89	16.07	15.84	17	0		
20	QPSK	100	0	16.70	16.05	15.71				
20	QPSK	100	0	16.73	15.92	15.78				
20	16QAM	1	49	15.71	15.82	15.75	17	0		
20	16QAM	1	99	15.76	15.85	15.74				
20	16QAM	50	0	15.86	15.96	15.84				
20	16QAM	50	24	15.77	15.80	15.86				
20	16QAM	50	50	15.76	15.89	15.81	17	0		
20	16QAM	100	0	15.72	15.84	15.84				
20	16QAM	100	0	15.73	15.84	15.86				
20	16QAM	1	49	15.74	15.90	15.82	17	0		
20	16QAM	1	99	15.76	15.82	15.80				
20	16QAM	50	24	15.89	15.99	15.89				
20	16QAM	50	50	15.77	15.88	15.88	17	0		
20	16QAM	100	0	15.80	15.89	15.70				
20	256QAM	1	49	15.85	15.94	15.80				
20	256QAM	1	99	15.80	15.88	15.86	17	0		
20	256QAM	50	24	15.85	15.99	15.79				
20	256QAM	50	50	15.74	15.83	15.77	17	0		
20	256QAM	100	0	15.72	15.83	15.77				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.74	15.13	15.89				
15	QPSK	1	37	15.87	15.84	15.89				
15	QPSK	1	74	15.74	15.81	15.88				
15	QPSK	36	0	15.74	15.80	15.75				
15	QPSK	36	25	15.86	15.91	15.89				
15	QPSK	36	39	15.75	15.84	15.78	17	0		
15	QPSK	75	0	15.65	15.99	15.88				
15	16QAM	1	37	15.85	15.87	15.83	17	0		
15	16QAM	1	74	15.85	15.89	15.81				
15	16QAM	36	0	15.81	15.78	15.72				
15	16QAM	36	25	15.83	15.89	15.75	17	0		
15	16QAM	36	39	15.76	15.85	15.80				
15	16QAM	75	0	15.72	15.78	15.73				
15	16QAM	1	37	15.89	15.83	15.77	17	0		
15	16QAM	1	74	15.86	15.82	15.80				
15	16QAM	36	0	15.85	15.82	15.75				
15	16QAM	36	25	15.83	15.79	15.88	17	0		
15	16QAM	36	39	15.83	15.70	15.80				
15	16QAM	75	0	15.86	15.76	15.82				
15	256QAM	1	37	15.85	15.86	15.84				
15	256QAM	1	74	15.87	15.74	15.70	17	0		
15	256QAM	36	0	15.84	15.74	15.78				
15	256QAM	36	25	15.71	15.87	15.86				
15	256QAM	36	39	15.89	15.69	15.65	17	0		
15	256QAM	75	0	15.88	15.78	15.79				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.75	15.13	15.70				
10	QPSK	1	25	15.70	15.80	15.70	17	0		
10	QPSK	1	49	15.71	15.86	15.82				
10	QPSK	12	0	15.82	15.83	15.83				
10	QPSK	25	12	15.84	15.83	15.91				
10	QPSK	25	25	15.76	15.87	15.71	17	0		
10	16QAM	1	25	15.70	15.89	15.88				
10	16QAM	1	0	15.61	15.80	15.87	17	0		
10	16QAM	1	24	15.87	15.70	15.83				
10	16QAM	12	0	15.85	15.89	15.87				
10	16QAM	25	0	15.76	15.77	15.73	17	0		
10	16QAM	25	12	15.89	15.87	15.78				
10	16QAM	50	0	15.83	15.84	15.84	17	0		
10	16QAM	50	0	15.75	15.74	15.71				
10	16QAM	1	0	15.85	15.83	15.72				
10	16QAM	1	24	15.81	15.80	15.74				
10	16QAM	1	49	15.66	15.87	15.77	17	0		
10	16QAM	25	0	15.84	15.76	15.83				
10	16QAM	25	12	15.71	15.82	15.83				
10	16QAM	25	25	15.67	15.69	15.81	17	0		
10	16QAM	50	0	15.74	15.83	15.85				
10	16QAM	50	0	15.77	15.88	15.81				
10	256QAM	1	24	15.65	15.78	15.73	17	0		
10	256QAM	1	49	15.64	15.69	15.74				
10	256QAM	12	0	15.84	15.89	15.83				
10	256QAM	25	12	15.74	15.70	15.86	17	0		
10	256QAM	25	25	15.66	15.69	15.86				
10	256QAM	50	0	15.68	15.73	15.73				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.74	15.13	15.70				
5	QPSK	1	12	15.69	15.78	15.89	17	0		
5	QPSK	1	24	15.69	15.80	15.70				
5	QPSK	12	0	15.84	15.83	15.78				
5	QPSK	12	7	15.91	15.87	15.89	17	0		
5	QPSK	12	13	15.87	15.89	15.71				
5	QPSK	25	0	15.68	15.87	15.87				
5	16QAM	1	0	15.68	15.89	15.89	17	0		
5	16QAM	1	24	15.66	15.78	15.89				
5	16QAM	12	0	15.75	15.72	15.76				
5	16QAM	12	7	15.69	15.73	15.81	17	0		
5	16QAM	12	13	15.66	15.84	15.88				
5	16QAM	25	0	15.74	15.76	15.78				
5	16QAM	1	0	15.62	15.84	15.74	17	0		
5	16QAM	1	12	15.65	15.85	15.88				
5	16QAM	1	24	15.81	15.81	15.83				
5	16QAM	12	0	15.63	15.76	15.81	17	0		
5	16QAM	12	7	15.80	15.81	15.78				
5	16QAM	12	13	15.85	15.73	15.96				
5	16QAM	25	0	15.69	15.84	15.82				
5	16QAM	15	0	15.74	15.89	15.83	17	0		
5	256QAM	1	12	15.67	15.79	15.74	17	0		
5	256QAM	1	24	15.67	15.72	15.74				
5	256QAM	12	0	15.89	15.90	15.87	17	0		
5	256QAM	12	13	15.80	15.89	15.75				
5	256QAM	25	0	15.70	15.70	15.79				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.80	15.13	15.73				
3	QPSK	1	8	15.87	15.81	15.87	17	0		
3	QPSK	1	14	15.74	15.82	15.88				
3	QPSK	8	0	15.70	15.81	15.89				
3	QPSK	8	4	15.89	15.90	15.90	17	0		
3	QPSK	8	7	15.84	15.86	15.72				
3	QPSK	15	0	15.72	15.80	15.86				
3	16QAM	1	0	15.81	15.80	15.84	17	0		
3	16QAM	1	8	15.87	15.73	15.83				
3	16QAM	1	14	15.83	15.77	15.82				
3	16QAM	8	0	15.74	15.78	15.77	17	0		
3	16QAM	8	4	15.83	15.87	15.79				
3	16QAM	8	7	15.81	15.79	15.72				
3	16QAM	15	0	15.70	15.82	15.70				
3	16QAM	1	0	15.60	15.80	15.75	17	0		
3	16QAM	1	8	15.83	15.88	15.72				
3	16QAM	1	14	15.83	15.87	15.76				
3	16QAM	8	0	15.82	15.81	15.81				
3	16QAM	8	4	15.76	15.81	15.74	17	0		
3	16QAM	8	7	15.70	15.88	15.96				
3	16QAM	15	0	15.74	15.89	15.83				
3	256QAM	1	0	15.70	15.83	15.88	17	0		
3	256QAM	1	8	15.72	15.78	15.79				
3	256QAM									





## Reduced Power Mode for DSI 3

GSM850 Ant0 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.41	33.52	32.47	33.50	23.41	23.52	23.47	24.50
GPRS 1 Tx slot	32.33	32.49	32.44	33.50	23.33	23.49	23.44	24.50
GPRS 2 Tx slots	29.28	29.37	29.41	30.50	23.28	23.37	23.41	24.50
GPRS 3 Tx slots	27.47	27.51	27.58	28.50	23.21	23.25	23.32	24.24
GPRS 4 Tx slots	26.41	26.08	26.35	27.50	23.41	23.08	23.35	24.50
EDGE 1 Tx slot	26.25	26.09	26.30	27.50	17.25	17.09	17.30	18.50
EDGE 2 Tx slots	23.32	23.22	23.34	24.50	17.32	17.22	17.34	18.50
EDGE 3 Tx slots	21.62	21.56	21.45	22.50	17.36	17.30	17.19	18.24
EDGE 4 Tx slots	20.77	20.65	20.65	21.50	17.77	17.63	17.65	18.50

WCDMA V Ant0 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4162	4233	
Frequency (MHz)	4357	4407	4458	
3GPP Rel 99 RMC 12.2kbps	24.76	24.88	24.75	25.50
3GPP Rel 99 RMC 12.2kbps	24.90	24.93	24.88	25.50
3GPP Rel 6 HSDPA Subtest-1	23.69	24.01	23.90	24.50
3GPP Rel 6 HSDPA Subtest-2	23.81	23.93	23.86	24.50
3GPP Rel 6 HSDPA Subtest-3	23.20	23.50	23.34	24.00
3GPP Rel 6 HSDPA Subtest-4	23.29	23.50	23.33	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	23.76	23.98	23.92	24.50
3GPP Rel 6 DC-HSDPA Subtest-2	23.81	23.92	23.76	24.50
3GPP Rel 6 DC-HSDPA Subtest-3	23.22	23.43	23.37	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	23.30	23.45	23.41	24.00
3GPP Rel 6 HSUPA Subtest-1	23.76	23.89	23.90	24.50
3GPP Rel 6 HSUPA Subtest-2	21.72	21.91	21.88	22.50
3GPP Rel 6 HSUPA Subtest-3	22.73	23.01	22.83	23.50
3GPP Rel 6 HSUPA Subtest-4	21.73	21.93	21.88	22.50
3GPP Rel 6 HSUPA Subtest-5	23.76	23.89	23.88	24.50
3GPP Rel 7 HSPA+ (EQAM) Subtest-1	21.50	21.34	21.25	22.00



Band 4 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Turn-up time (min)	MPE (dB)		
Channel										
	Frequency (MHz)			1720	1722.5	1725				
20	OPSK	1	0	22.82	22.90	22.97			24	0
20	OPSK	1	96	22.78	22.86	22.92				
20	OPSK	50	0	21.97	22.05	22.11				
20	OPSK	50	24	21.90	21.94	21.97			23	1
20	OPSK	50	50	21.79	21.90	21.83				
20	OPSK	100	0	21.92	21.97	22.00				
20	OPSK	100	50	21.88	21.92	21.95				
20	HQAM	1	49	21.90	21.93	21.96			23	1
20	HQAM	1	99	21.84	21.88	21.91				
20	HQAM	50	24	20.72	20.86	20.78			22	2
20	HQAM	50	24	20.77	20.83	20.76				
20	HQAM	50	50	20.67	20.91	20.86				
20	HQAM	50	50	20.84	20.94	20.93				
20	HQAM	1	0	20.91	20.98	20.99				
20	HQAM	1	49	20.86	20.90	20.96			22	2
20	HQAM	1	99	20.78	20.88	20.89				
20	HQAM	50	0	19.83	19.96	19.90				
20	HQAM	50	24	19.85	19.99	19.93			21	3
20	HQAM	50	24	19.71	19.84	19.78				
20	HQAM	50	50	19.80	19.91	19.80				
20	ZSSBAM	1	49	17.85	17.88	17.84			19	5
20	ZSSBAM	1	99	17.81	17.88	17.73				
20	ZSSBAM	50	24	16.71	17.04	17.06				
20	ZSSBAM	50	24	17.75	17.88	17.78			19	5
20	ZSSBAM	50	50	17.41	17.90	17.82				
20	ZSSBAM	100	0	17.73	17.82	17.79				
Channel										
	Frequency (MHz)			20025	20175	20325				
15	OPSK	1	0	22.83	22.88	22.79				
15	OPSK	1	37	22.74	22.77	22.73			24	0
15	OPSK	74	24	22.64	22.74	22.73				
15	OPSK	36	0	21.91	21.91	21.85				
15	OPSK	36	36	21.88	21.96	21.77			23	1
15	OPSK	75	0	21.84	21.92	21.81				
15	OPSK	75	36	21.74	21.87	21.86				
15	HQAM	1	37	21.81	21.88	21.87			23	1
15	HQAM	1	74	20.72	20.77	20.67				
15	HQAM	36	0	20.66	20.75	20.71			22	2
15	HQAM	36	20	20.72	20.71	20.67				
15	HQAM	36	20	20.77	20.76	20.71				
15	HQAM	75	0	20.73	20.87	20.77				
15	HQAM	75	36	20.67	20.89	20.77			22	2
15	HQAM	75	37	20.72	20.77	20.67				
15	HQAM	1	74	20.51	20.63	20.75				
15	HQAM	36	0	19.71	19.89	19.78				
15	HQAM	36	20	19.73	19.86	19.78				
15	HQAM	36	20	19.78	19.75	19.65			21	3
15	HQAM	75	0	19.82	19.82	19.74				
15	ZSSBAM	1	37	17.71	17.72	17.66			19	5
15	ZSSBAM	1	74	17.78	17.75	17.65				
15	ZSSBAM	36	0	16.72	16.86	16.78				
15	ZSSBAM	36	20	17.67	17.74	17.64			19	5
15	ZSSBAM	36	20	17.75	17.75	17.70				
15	ZSSBAM	75	0	17.67	17.65	17.68				
Channel										
	Frequency (MHz)			20025	20175	20325				
10	OPSK	1	0	22.77	22.77	22.77				
10	OPSK	1	25	22.79	22.88	22.72			24	0
10	OPSK	1	49	22.67	22.77	22.77				
10	OPSK	25	0	21.89	21.89	21.89				
10	OPSK	25	12	21.78	21.78	21.72			23	1
10	OPSK	25	25	21.71	21.77	21.72				
10	HQAM	1	0	21.84	21.89	21.85				
10	HQAM	1	25	21.80	21.81	21.74			23	1
10	HQAM	25	0	20.81	20.82	20.65				
10	HQAM	25	12	20.66	20.79	20.67			22	2
10	HQAM	25	12	20.70	20.77	20.67				
10	HQAM	50	0	20.75	20.82	20.80				
10	HQAM	1	0	20.87	20.83	20.85			22	2
10	HQAM	1	25	20.76	20.82	20.76				
10	HQAM	1	49	20.71	20.75	20.88				
10	HQAM	25	0	19.77	19.83	19.86				
10	HQAM	25	12	19.78	19.78	19.76			21	3
10	HQAM	50	0	19.78	19.79	19.75				
10	HQAM	50	25	19.61	19.79	19.75				
10	ZSSBAM	1	25	17.78	17.75	17.74			19	5
10	ZSSBAM	1	49	17.75	17.75	17.60				
10	ZSSBAM	25	0	16.74	16.84	16.74				
10	ZSSBAM	25	12	17.62	17.74	17.61			19	5
10	ZSSBAM	25	25	17.72	17.83	17.68				
10	ZSSBAM	75	0	17.62	17.68	17.68				
Channel										
	Frequency (MHz)			19975	20175	20375				
5	OPSK	1	0	22.74	22.74	22.74				
5	OPSK	1	24	22.72	22.87	22.72			24	0
5	OPSK	1	48	22.60	22.77	22.60				
5	OPSK	12	0	21.84	21.91	21.77			23	1
5	OPSK	12	12	21.89	21.87	21.71				
5	HQAM	1	0	21.81	21.82	21.82			23	1
5	HQAM	1	12	21.79	21.88	21.85				
5	HQAM	12	0	20.80	20.82	20.72			22	2
5	HQAM	12	12	20.63	20.72	20.64				
5	HQAM	12	12	20.70	20.77	20.67				
5	HQAM	25	0	20.75	20.87	20.82				
5	HQAM	1	0	20.81	20.89	20.76			22	2
5	HQAM	12	0	19.83	19.83	19.83				
5	HQAM	1	24	20.65	20.76	20.71				
5	HQAM	12	0	19.70	19.90	19.84			21	3
5	HQAM	12	12	19.79	19.79	19.79				
5	HQAM	12	13	19.66	19.79	19.68				
5	HQAM	25	0	19.76	19.86	19.74				
5	ZSSBAM	1	12	17.63	17.79	17.68			19	5
5	ZSSBAM	1	24	17.60	17.78	17.65				
5	ZSSBAM	12	0	16.71	17.47	17.66				
5	ZSSBAM	12	12	17.67	17.74	17.72			19	5
5	ZSSBAM	12	13	17.89	17.76	17.71				
5	ZSSBAM	75	0	17.68	17.62	17.68				
Channel										
	Frequency (MHz)			19965	20175	20375				
3	OPSK	1	0	22.71	22.71	22.71				
3	OPSK	1	8	22.80	22.85	22.72			24	0
3	OPSK	1	14	22.67	22.85	22.74				
3	OPSK	8	0	21.83	21.83	21.80				
3	OPSK	8	4	21.83	21.82	21.78			23	1
3	OPSK	8	7	21.67	21.87	21.80				
3	HQAM	1	0	21.77	21.88	21.81				
3	HQAM	1	8	21.80	21.87	21.87			23	1
3	HQAM	1	14	21.72	21.83	21.79				
3	HQAM	8	0	20.68	20.70	20.71			22	2
3	HQAM	8	4	20.76	20.82	20.67				
3	HQAM	8	7	20.79	20.85	20.71				
3	HQAM	15	0	20.78	20.86	20.75				
3	HQAM	1	0	20.79	20.92	20.81			22	2
3	HQAM	1	14	20.74	20.79	20.81				
3	HQAM	8	0	19.69	19.84	19.79			21	3
3	HQAM	8	7	19.67	19.74	19.76				
3	ZSSBAM	1	14	17.61	17.81	17.79			19	5
3	ZSSBAM	1	28	17.66	17.82	17.78				
3	ZSSBAM	8	0	17.74	17.88	17.75			19	5
3	ZSSBAM	8	4	17.70	17.84	17.72				
3	ZSSBAM	8	7	17.87	17.87	17.82				
3	ZSSBAM	15	0	17.65	17.63	17.65				
Channel										
	Frequency (MHz)			19967	20175	20375				
1.4	OPSK	1	0	22.86	22.91	22.73</				



Band 13 Ant0 Default									
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)									
10	QPSK	1	0	23.63	23.63	23.63	24.5	0	
10	QPSK	1	49	23.64	23.64	23.64			
10	QPSK	1	49	24.54	24.54	24.54			
10	QPSK	25	0	22.87	22.87	22.87	23.5	1	
10	QPSK	25	12	22.93	22.93	22.93			
10	QPSK	25	25	22.84	22.84	22.84			
10	QPSK	50	0	22.22	22.22	22.22	23.5	1	
10	HQAM	1	0	22.85	22.85	22.85			
10	HQAM	1	25	22.56	22.56	22.56			
10	HQAM	1	49	22.52	22.52	22.52			
10	HQAM	25	0	21.84	21.84	21.84	22.5	2	
10	HQAM	25	12	21.92	21.92	21.92			
10	HQAM	25	25	21.90	21.90	21.90			
10	HQAM	50	0	21.07	21.07	21.07	21.5	3	
10	HQAM	1	0	21.88	21.88	21.88			
10	HQAM	1	25	21.49	21.49	21.49	22.5	2	
10	HQAM	1	49	21.44	21.44	21.44			
10	HQAM	25	0	20.95	20.95	20.95			
10	HQAM	25	12	20.49	20.49	20.49			
10	HQAM	25	25	20.53	20.53	20.53			
10	HQAM	50	0	19.67	19.67	19.67	19.5	5	
10	HQAM	1	25	18.67	18.67	18.67			
10	ZSSBAM	1	49	18.58	18.58	18.58	19.5	5	
10	ZSSBAM	25	0	18.68	18.68	18.68			
10	ZSSBAM	25	12	18.60	18.60	18.60	19.5	5	
10	ZSSBAM	25	25	18.56	18.56	18.56			
10	ZSSBAM	50	0	18.64	18.64	18.64			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.38	23.38	23.43	24.5	0	
5	QPSK	1	12	23.05	23.05	23.46			
5	QPSK	1	24	23.34	23.47	23.39			
5	QPSK	12	0	22.49	22.58	22.61	23.5	1	
5	QPSK	12	7	22.35	22.48	22.50			
5	QPSK	12	13	22.45	22.59	22.46			
5	QPSK	25	0	22.48	22.53	22.43	23.5	1	
5	HQAM	1	0	22.47	22.51	22.37			
5	HQAM	1	12	22.41	22.53	22.37	23.5	1	
5	HQAM	1	24	22.33	22.58	22.37			
5	HQAM	12	0	21.83	21.97	21.40	22.5	2	
5	HQAM	12	7	21.31	21.39	21.38			
5	HQAM	12	13	21.37	21.47	21.28			
5	HQAM	25	0	20.38	20.41	20.28	21.5	3	
5	HQAM	25	7	20.28	20.48	20.28			
5	HQAM	25	13	20.31	20.36	20.28			
5	HQAM	50	0	18.67	18.65	18.43	19.5	5	
5	HQAM	1	12	18.40	18.55	18.43			
5	ZSSBAM	1	24	18.38	18.53	18.45	19.5	5	
5	ZSSBAM	12	0	18.51	18.53	18.45			
5	ZSSBAM	12	7	18.40	18.53	18.37	19.5	5	
5	ZSSBAM	12	13	18.38	18.43	18.43			
5	ZSSBAM	25	0	18.46	18.54	18.42			

Band 17 Ant0 Default									
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)									
10	QPSK	1	0	24.94	24.70	24.59	25.5	0	
10	QPSK	1	39	24.47	24.64	24.63			
10	QPSK	1	49	24.36	24.56	24.58			
10	QPSK	25	0	23.50	23.66	23.58	24.5	1	
10	QPSK	25	12	23.52	23.70	23.63			
10	QPSK	25	25	23.55	23.52	23.51			
10	QPSK	50	0	23.50	23.62	23.50	24.5	1	
10	HQAM	1	0	22.52	22.70	22.57			
10	HQAM	1	25	23.44	23.57	23.55	24.5	1	
10	HQAM	1	49	23.50	23.81	23.47			
10	HQAM	25	0	22.58	22.58	22.64	23.5	2	
10	HQAM	25	12	22.59	22.58	22.51			
10	HQAM	25	25	22.58	22.58	22.64			
10	HQAM	50	0	22.48	22.60	22.56	23.5	2	
10	HQAM	1	0	22.58	22.78	22.67			
10	HQAM	1	25	22.43	22.54	22.49	23.5	2	
10	HQAM	1	49	22.40	22.50	22.41			
10	HQAM	25	0	21.51	21.54	21.48	22.5	3	
10	HQAM	25	12	21.48	21.51	21.51			
10	HQAM	25	25	21.44	21.61	21.51			
10	HQAM	50	0	21.43	21.60	21.48	22.5	3	
10	HQAM	1	0	19.56	19.57	19.49	20.5	5	
10	HQAM	1	25	19.50	19.55	19.55			
10	ZSSBAM	1	49	19.52	19.60	19.53	20.5	5	
10	ZSSBAM	25	0	19.52	19.58	19.58			
10	ZSSBAM	25	12	19.58	19.53	19.57	20.5	5	
10	ZSSBAM	25	25	19.48	19.57	19.60			
10	ZSSBAM	50	0	19.52	19.58	19.51			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.38	24.56	24.50	25.5	0	
5	QPSK	1	12	24.41	24.59	24.51			
5	QPSK	1	24	24.47	24.49	24.54			
5	QPSK	12	0	23.45	23.55	23.48	24.5	1	
5	QPSK	12	7	23.48	23.57	23.40			
5	QPSK	12	13	23.47	23.38	23.46	24.5	1	
5	QPSK	25	0	22.45	22.59	22.59			
5	HQAM	1	0	23.63	23.71	23.61	24.5	1	
5	HQAM	1	12	23.35	23.51	23.47			
5	HQAM	1	24	23.41	23.42	23.37	23.5	2	
5	HQAM	12	0	22.43	22.66	22.51			
5	HQAM	12	7	22.51	22.50	22.57	23.5	2	
5	HQAM	12	13	22.56	22.44	22.39			
5	HQAM	25	0	22.42	22.55	22.44			
5	HQAM	1	0	22.44	22.84	22.62	23.5	2	
5	HQAM	1	12	22.41	22.42	22.37			
5	HQAM	1	24	22.37	22.42	22.35			
5	HQAM	12	0	21.43	21.49	21.43	22.5	3	
5	HQAM	12	7	21.44	21.46	21.43			
5	HQAM	12	13	21.40	21.45	21.44	22.5	3	
5	HQAM	25	0	21.32	21.50	21.43			
5	HQAM	1	0	19.51	19.44	19.49	20.5	5	
5	ZSSBAM	1	24	19.44	19.45	19.44			
5	ZSSBAM	12	0	19.41	19.54	19.48	20.5	5	
5	ZSSBAM	12	7	19.51	19.40	19.43			
5	ZSSBAM	12	13	19.40	19.52	19.47	20.5	5	
5	ZSSBAM	25	0	19.45	19.46	19.45			

Band 26 Ant0 for FCC Default									
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)									
15	QPSK	1	0	24.35	24.26	24.41	25.5	0	
15	QPSK	1	39	24.35	24.40	24.46			
15	QPSK	1	74	24.35	24.40	24.46			
15	QPSK	36	0	23.38	23.50	23.33	24.5	1	
15	QPSK	36	20	23.27	23.43	23.41			
15	QPSK	36	36	23.20	23.46	23.36			
15	QPSK	75	0	23.26	23.47	23.37	24.5	1	
15	HQAM	1	0	23.31	23.29	23.28			
15	HQAM	1	37	23.25	23.27	23.23	24.5	1	
15	HQAM	1	74	23.23	23.27	23.28			
15	HQAM	36	0	22.27	22.34	22.27	23.5	2	
15	HQAM	36	20	22.27	22.34	22.27			
15	HQAM	36	36	22.24	22.27	22.21			
15	HQAM	75	0	22.26	22.26	22.23	23.5	2	
15	HQAM	1	0	22.42	22.53	22.49			
15	HQAM	1	37	22.26	22.26	22.25	23.5	2	
15	HQAM	1	74	22.34	22.38	22.37			
15	HQAM	36	0	21.31	21.46	21.38	22.5	3	
15	HQAM	36	20	21.30	21.33	21.30			
15	HQAM	36	36	21.31	21.43	21.38			
15	HQAM	75	0	21.31	21.44	21.34	22.5	3	
15	ZSSBAM	1	0	19.24	19.25	19.24	20.5	5	
15	ZSSBAM	1	37	19.25	19.28	19.27			
15	ZSSBAM	1	74	19.24	19.32	19.26	20.5	5	
15	ZSSBAM	36	0	18.20	18.26	18.20	20.5	5	
15	ZSSBAM	36	20	18.24	18.25	1			



### Band 38 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								
Channel Frequency (MHz)				3760	3800	3810		
20	QPSK	1	0	22.60	22.66	22.62	23.5	0
20	QPSK	1	49	22.54	22.62	22.51		
20	QPSK	1	99	22.53	22.53	22.51		
20	QPSK	50	0	21.32	21.56	21.40	22.5	1
20	QPSK	50	24	21.36	21.50	21.43		
20	QPSK	50	50	21.36	21.48	21.52		
20	QPSK	100	0	21.32	21.56	21.40	22.5	1
20	16QAM	1	49	21.48	21.54	21.53		
20	16QAM	1	99	21.40	21.46	21.36		
20	16QAM	1	99	21.29	21.44	21.47		
20	16QAM	50	0	20.32	20.46	20.38	21.5	2
20	16QAM	50	24	20.30	20.41	20.33		
20	16QAM	50	50	20.28	20.40	20.30		
20	16QAM	100	0	20.32	20.33	20.32		
20	64QAM	1	49	20.44	20.51	20.55	21.5	2
20	64QAM	1	99	20.44	20.45	20.50		
20	64QAM	50	0	19.38	19.51	19.40	20.5	3
20	64QAM	50	24	19.38	19.45	19.44		
20	64QAM	50	50	19.38	19.47	19.41		
20	64QAM	100	0	19.34	19.45	19.40		
20	256QAM	1	0	17.33	17.42	17.44	18.5	5
20	256QAM	1	49	17.38	17.42	17.44		
20	256QAM	1	99	17.42	17.51	17.36		
20	256QAM	50	0	17.32	17.54	17.48		
20	256QAM	50	24	17.42	17.44	17.44		
20	256QAM	50	50	17.44	17.42	17.34		
20	256QAM	100	0	17.40	17.44	17.42		
Channel								
Channel Frequency (MHz)				3765	3800	3810		
15	QPSK	1	0	22.47	22.56	22.49	23.0	0
15	QPSK	1	37	22.51	22.56	22.42		
15	QPSK	1	74	22.46	22.41	22.35		
15	QPSK	36	0	21.30	21.49	21.33	22.5	1
15	QPSK	36	20	21.26	21.37	21.37		
15	QPSK	36	39	21.30	21.37	21.48		
15	QPSK	75	0	21.21	21.45	21.46		
15	16QAM	1	37	21.34	21.41	21.44	22.5	1
15	16QAM	1	37	21.28	21.32	21.25		
15	16QAM	1	74	21.20	21.38	21.37		
15	16QAM	36	0	20.19	20.34	20.32	21.5	2
15	16QAM	36	20	20.27	20.34	20.32		
15	16QAM	36	39	20.19	20.29	20.21		
15	16QAM	75	0	20.24	20.24	20.29		
15	16QAM	1	0	20.27	20.34	20.41	21.5	2
15	16QAM	1	37	20.35	20.34	20.33		
15	64QAM	1	74	20.29	20.39	20.39		
15	64QAM	36	0	19.21	19.45	19.34	20.5	3
15	64QAM	36	20	19.27	19.36	19.39		
15	64QAM	36	39	19.28	19.39	19.37		
15	64QAM	75	0	19.26	19.32	19.36		
15	256QAM	1	0	17.25	17.35	17.29	18.5	5
15	256QAM	1	49	17.28	17.38	17.34		
15	256QAM	1	74	17.29	17.41	17.21		
15	256QAM	36	0	17.28	17.48	17.40		
15	256QAM	36	20	17.38	17.30	17.33		
15	256QAM	36	39	17.34	17.34	17.34		
15	256QAM	75	0	17.34	17.32	17.34		
Channel								
Channel Frequency (MHz)				3760	3800	3820		
10	QPSK	1	0	22.48	22.59	22.51	23.0	0
10	QPSK	1	25	22.50	22.55	22.38		
10	QPSK	1	49	22.50	22.40	22.56		
10	QPSK	25	0	21.34	21.41	21.43	22.5	1
10	QPSK	25	12	21.22	21.35	21.30		
10	QPSK	25	25	21.31	21.36	21.40		
10	QPSK	50	0	21.25	21.47	21.33		
10	16QAM	1	25	21.38	21.45	21.49	22.5	1
10	16QAM	1	25	21.22	21.38	21.32		
10	16QAM	1	49	21.20	21.38	21.44		
10	16QAM	25	0	20.24	20.42	20.23	21.5	2
10	16QAM	25	12	20.25	20.36	20.20		
10	16QAM	25	25	20.19	20.25	20.26		
10	16QAM	50	0	20.24	20.24	20.26		
10	64QAM	1	0	20.29	20.41	20.52	21.5	2
10	64QAM	1	25	20.23	20.36	20.32		
10	64QAM	1	49	20.39	20.38	20.40		
10	64QAM	25	0	19.22	19.45	19.33	20.5	3
10	64QAM	25	12	19.35	19.31	19.29		
10	64QAM	25	25	19.31	19.40	19.38		
10	64QAM	50	0	19.30	19.34	19.26		
10	256QAM	1	0	17.24	17.36	17.34	18.5	5
10	256QAM	1	25	17.31	17.38	17.31		
10	256QAM	1	49	17.29	17.40	17.42		
10	256QAM	25	0	17.20	17.40	17.42		
10	256QAM	25	12	17.28	17.33	17.26		
10	256QAM	25	25	17.36	17.36	17.34		
10	256QAM	50	0	17.27	17.38	17.37		
Channel								
Channel Frequency (MHz)				3775	3800	3820		
5	QPSK	1	0	22.46	22.53	22.57	23.0	0
5	QPSK	1	12	22.42	22.55	22.45		
5	QPSK	1	24	22.43	22.45	22.46		
5	QPSK	12	0	21.31	21.52	21.30	22.5	1
5	QPSK	12	7	21.28	21.43	21.39		
5	QPSK	12	13	21.30	21.37	21.42		
5	QPSK	25	0	21.22	21.43	21.25		
5	16QAM	1	0	21.38	21.44	21.40	22.5	1
5	16QAM	1	12	21.30	21.34	21.34		
5	16QAM	1	24	21.15	21.38	21.43		
5	16QAM	12	0	20.21	20.42	20.30	21.5	2
5	16QAM	12	7	20.21	20.28	20.24		
5	16QAM	12	13	20.22	20.26	20.18		
5	16QAM	25	0	20.26	20.25	20.24		
5	64QAM	1	0	20.33	20.44	20.47	21.5	2
5	64QAM	1	12	20.38	20.43	20.41		
5	64QAM	1	24	20.30	20.33	20.44		
5	64QAM	12	0	19.29	19.40	19.32	20.5	3
5	64QAM	12	7	19.33	19.32	19.39		
5	64QAM	12	13	19.25	19.41	19.36		
5	256QAM	1	0	17.25	17.29	17.38	18.5	5
5	256QAM	1	12	17.28	17.40	17.40		
5	256QAM	1	24	17.27	17.40	17.44		
5	256QAM	12	7	17.35	17.30	17.35		
5	256QAM	12	13	17.33	17.37	17.23		
5	256QAM	25	0	17.33	17.30	17.32		

### Band 41 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								
Channel Frequency (MHz)				3970	4016	4020		
20	QPSK	1	0	22.68	22.61	22.72	23.5	0
20	QPSK	1	49	22.61	22.58	22.64		
20	QPSK	1	99	22.51	22.56	22.59		
20	QPSK	50	0	21.44	21.36	21.56	22.5	1
20	QPSK	50	24	21.45	21.49	21.48		
20	QPSK	50	50	21.43	21.43	21.61		
20	QPSK	100	0	21.43	21.36	21.56	22.5	1
20	16QAM	1	49	21.44	21.55	21.56		
20	16QAM	1	99	21.42	21.28	21.45		
20	16QAM	1	99	21.29	21.30	21.34		
20	16QAM	50	0	20.30	20.38	20.34	21.5	2
20	16QAM	50	24	20.36	20.41	20.44		
20	16QAM	50	50	20.29	20.44	20.49		
20	16QAM	100	0	20.38	20.40	20.50	20.5	3
20	64QAM	1	49	20.34	20.33	20.71	21.5	2
20	64QAM	1	99	20.31	20.39	20.44		
20	64QAM	1	99	20.39	20.32	20.49		
20	64QAM	50	0	19.47	19.48	19.58	20.5	3
20	64QAM	50	24	19.29	19.45	19.40		
20	64QAM	50	50	19.39	19.43	19.45		
20	64QAM	100	0	19.38	19.50	19.45		
20	256QAM	1	0	17.39	17.43	17.47	18.5	5
20	256QAM	1	49	17.49	17.49	17.49		
20	256QAM	1	99	17.50	17.43	17.55		
20	256QAM	50	0	17.51	17.44	17.53		
20	256QAM	50	24	17.41	17.42	17.41		
20	256QAM	50	50	17.56	17.43	17.46		
20	256QAM	100	0	17.				



**GSM850 Ant1 Default**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	812	813.4	814.8	32.50	32.52	32.54	32.56	32.58
GSM 1 Tx slot	32.25	32.15	32.18	32.50	23.25	23.19	23.18	23.50
GPRS 1 Tx slot	32.22	32.16	32.06	32.50	23.22	23.16	23.06	23.50
GPRS 2 Tx slots	29.13	29.11	28.97	29.50	23.13	23.11	22.97	23.50
GPRS 3 Tx slots	27.15	27.23	26.93	27.50	22.89	22.97	22.67	23.24
GPRS 4 Tx slots	25.98	26.24	26.12	26.50	22.98	23.24	23.12	23.50
EDGE 1 Tx slot	25.91	26.04	25.92	26.50	16.91	17.04	16.92	17.50
EDGE 2 Tx slots	22.85	23.11	22.86	23.50	16.85	17.11	16.86	17.50
EDGE 3 Tx slots	21.21	21.25	21.08	21.50	16.95	16.99	16.82	17.24
EDGE 4 Tx slots	20.32	20.37	20.10	20.50	17.32	17.37	17.10	17.50

**WCDMA V Ant1 DS13**

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4162	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	883.4	883.4	883.6	
3GPP Rel 99 RMC 12.2kbps	23.54	23.50	23.43	24.00
3GPP Rel 99 RMC 12.2kbps	23.60	23.63	23.45	24.00
3GPP Rel 6 HSDPA Subtest-1	22.48	22.64	22.48	23.00
3GPP Rel 6 HSDPA Subtest-2	22.37	22.61	22.47	23.00
3GPP Rel 6 HSDPA Subtest-3	21.99	22.08	21.90	22.50
3GPP Rel 6 HSDPA Subtest-4	22.10	21.87	22.14	22.50
3GPP Rel 6 DCHSDPA Subtest-1	22.48	22.67	22.41	23.00
3GPP Rel 6 DCHSDPA Subtest-2	22.34	22.53	22.65	23.00
3GPP Rel 6 DCHSDPA Subtest-3	21.87	22.01	21.92	22.50
3GPP Rel 6 DCHSDPA Subtest-4	22.22	22.09	21.89	22.50
3GPP Rel 6 HSUPA Subtest-1	22.61	22.70	22.40	23.00
3GPP Rel 6 HSUPA Subtest-2	20.41	20.47	20.45	21.00
3GPP Rel 6 HSUPA Subtest-3	21.41	21.56	21.59	22.00
3GPP Rel 6 HSUPA Subtest-4	20.51	20.62	20.50	21.00
3GPP Rel 6 HSUPA Subtest-5	22.37	22.56	22.42	23.00
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	19.96	20.03	19.90	20.50



### Band 5 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										
Frequency (MHz)				829	838.5	844				
10	QPSK	1	0	23.28	23.32	23.26	24	0		
10	QPSK	1	25	23.14	23.17	23.14				
10	QPSK	1	49	23.17	23.21	23.07				
10	QPSK	25	0	23.07	23.08	23.11	24	0		
10	QPSK	25	12	23.04	23.16	23.03				
10	QPSK	25	25	23.12	23.23	23.18				
10	QPSK	50	0	22.99	23.16	23.06	24	0		
10	16QAM	1	0	23.01	23.20	23.09				
10	16QAM	1	25	23.09	23.07	23.09				
10	16QAM	1	49	23.12	23.22	23.16	23	1		
10	16QAM	25	0	22.02	22.14	22.05				
10	16QAM	25	12	21.99	22.09	22.01				
10	16QAM	25	25	21.95	22.07	22.04	23	1		
10	16QAM	50	0	21.98	22.07	22.04				
10	16QAM	50	1	22.10	22.13	22.18				
10	84QAM	1	25	22.05	22.12	22.10	23	1		
10	84QAM	1	49	22.04	22.15	22.09				
10	84QAM	25	0	20.96	21.18	20.96				
10	84QAM	25	12	21.01	21.04	21.00	22	2		
10	84QAM	25	25	21.02	21.05	21.01				
10	84QAM	50	0	21.07	21.07	21.09				
10	256QAM	1	0	19.00	19.03	18.90	20	4		
10	256QAM	1	25	18.97	19.02	18.94				
10	256QAM	1	49	18.87	19.01	18.93				
10	256QAM	25	0	18.91	19.11	18.97	20	4		
10	256QAM	25	12	18.96	20.08	20.00				
10	256QAM	25	25	18.85	19.10	18.93				
10	256QAM	50	0	18.91	19.03	18.99	20	4		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.14	23.19	23.18	24	0		
5	QPSK	1	12	23.05	23.10	23.03				
5	QPSK	1	24	23.13	23.13	22.95				
5	QPSK	12	0	23.02	23.18	23.06	24	0		
5	QPSK	12	7	22.89	23.03	22.92				
5	QPSK	12	13	23.05	23.19	23.06				
5	QPSK	25	0	22.91	23.04	22.96	24	0		
5	16QAM	1	0	23.05	23.09	23.00				
5	16QAM	1	12	23.01	22.97	22.95				
5	16QAM	1	24	23.07	23.08	23.13	23	1		
5	16QAM	12	0	21.90	22.05	21.99				
5	16QAM	12	7	21.91	22.03	21.93				
5	16QAM	12	13	21.91	21.98	21.92	23	1		
5	16QAM	25	0	21.99	22.02	21.99				
5	84QAM	1	0	21.98	22.07	22.11				
5	84QAM	1	12	22.00	22.05	22.05	23	1		
5	84QAM	1	24	21.96	22.03	21.94				
5	84QAM	12	0	20.81	21.14	20.92				
5	84QAM	12	7	20.85	20.98	20.90	22	2		
5	84QAM	12	13	20.97	21.00	20.95				
5	84QAM	25	0	20.96	20.98	20.94				
5	256QAM	1	0	18.94	18.92	18.77	20	4		
5	256QAM	1	12	18.89	18.89	18.90				
5	256QAM	1	24	18.79	18.94	18.83				
5	256QAM	12	0	18.93	19.02	18.92	20	4		
5	256QAM	12	7	18.84	18.88	18.86				
5	256QAM	12	13	18.78	18.98	18.80				
5	256QAM	25	0	18.82	18.95	18.96	20	4		
Channel				20415	20525	20635				
Frequency (MHz)				826.5	836.5	847.5				
3	QPSK	1	0	23.05	23.09	23.00	24	0		
3	QPSK	1	8	23.04	23.13	23.03				
3	QPSK	1	14	23.08	23.15	22.99				
3	QPSK	8	0	23.01	23.22	23.04	24	0		
3	QPSK	8	4	23.01	23.05	22.88				
3	QPSK	8	7	23.02	23.15	23.03				
3	QPSK	15	0	22.98	23.10	23.04	24	0		
3	16QAM	1	8	22.98	23.01	22.95				
3	16QAM	1	14	23.06	23.13	23.02				
3	16QAM	8	0	21.99	22.05	22.00	23	1		
3	16QAM	8	4	21.97	22.03	21.98				
3	16QAM	8	7	21.81	22.01	21.96				
3	16QAM	15	0	21.91	22.03	21.94	23	1		
3	84QAM	1	0	22.04	22.09	22.11				
3	84QAM	1	8	22.02	22.06	21.97				
3	84QAM	1	14	21.91	22.05	22.04	22	2		
3	84QAM	8	0	20.93	21.03	20.93				
3	84QAM	8	4	20.90	20.97	20.92				
3	84QAM	8	7	20.88	20.97	20.91	20	4		
3	84QAM	15	0	20.90	20.99	20.96				
3	256QAM	1	0	18.96	18.97	18.82				
3	256QAM	1	8	18.90	18.93	18.91	20	4		
3	256QAM	1	14	18.90	18.91	18.82				
3	256QAM	8	0	18.81	19.00	18.92				
3	256QAM	8	4	18.84	18.87	18.91	20	4		
3	256QAM	8	7	18.77	18.94	18.83				
3	256QAM	15	0	18.77	18.92	18.87				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	838.5	848.3				
1.4	QPSK	1	0	23.19	23.18	23.20	24	0		
1.4	QPSK	1	3	23.01	23.10	23.07				
1.4	QPSK	1	5	23.08	23.16	22.97				
1.4	QPSK	3	0	23.01	23.14	23.03	24	0		
1.4	QPSK	3	1	22.92	23.01	22.86				
1.4	QPSK	3	3	22.99	23.14	23.08				
1.4	QPSK	6	0	22.96	23.12	23.03	24	0		
1.4	16QAM	1	0	22.94	23.05	23.00				
1.4	16QAM	1	3	22.96	23.04	23.05				
1.4	16QAM	1	5	23.00	23.09	23.03	24	0		
1.4	16QAM	3	0	22.95	23.06	22.90				
1.4	16QAM	3	1	22.85	22.98	22.88				
1.4	16QAM	3	3	22.86	22.98	22.98	23	1		
1.4	16QAM	6	0	21.85	22.01	21.97				
1.4	84QAM	1	0	21.98	22.05	22.11				
1.4	84QAM	1	3	21.93	22.08	21.98	23	1		
1.4	84QAM	1	5	21.92	22.06	21.98				
1.4	84QAM	3	0	21.83	22.15	21.97				
1.4	84QAM	3	1	21.86	22.01	21.88	22	2		
1.4	84QAM	3	3	21.95	21.92	21.94				
1.4	84QAM	6	0	20.88	20.94	21.01				
1.4	256QAM	1	0	18.89	18.94	18.81	20	4		
1.4	256QAM	1	3	18.85	18.89	18.84				
1.4	256QAM	1	5	18.74	18.89	18.87				
1.4	256QAM	3	0	18.88	19.04	18.92	20	4		
1.4	256QAM	3	1	18.86	18.92	18.85				
1.4	256QAM	3	3	18.82	19.05	18.88				
1.4	256QAM	6	0	18.86	18.94	18.89	20	4		
Channel				23067	23065	23163				
Frequency (MHz)				704.7	707.5	711.3				
10	QPSK	1	0	24.27	24.31	24.24	25.5	0		
10	QPSK	1	25	24.13	24.24	24.20				
10	QPSK	1	49	24.13	24.26	24.13				
10	QPSK	25	0	23.15	23.27	23.08	24.5	1		
10	QPSK	25	12	23.15	23.19	23.18				
10	QPSK	25	25	23.15	23.12	23.08				
10	QPSK	50	0	23.02	23.22	23.07	24.5	1		
10	16QAM	1	0	23.25	23.39	23.32				
10	16QAM	1	25	23.18	23.24	23.21				
10	16QAM	1	49	23.13	23.26	23.17	23.5	2		
10	16QAM	25	0	22.18	22.32	22.14				
10	16QAM	25	12	22.20	22.23	22.13				
10	16QAM	25	25	22.11	22.18	22.14	23.5	2		
10	16QAM	50	0	22.13	22.27	22.20				
10	84QAM	1	0	22.27	22.30	22.30				
10	84QAM	1	25	22.11	22.17	22.16	23.5	2		
10	84QAM	1	49	22.07	22.24	22.18				
10	84QAM	25	0	21.09	21.26	21.14				
10	84QAM	25	12	21.05	21.14	21.09	22.5	3		
10	84QAM	25	25	21.07	21.17	21.19				
10	84QAM	50	0	21.05	21.22	21.08				
10	256QAM	1	0	19.10	19.17	19.19	20.5	5		
10	256QAM	1	25	19.12	19.18	19.23				
10	256QAM	1	49	19.13	19.19	19.24				
10	256QAM	25	0	19.17	19.31	19.17	20.5	5		
10	256QAM	25	12	19.20	21.05	20.96				
10	256QAM	25	25	19.15	19.27	19.18				
10	256QAM	50	0	19.09	19.18	19.16	20.5	5		
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.16	24.17	24.09	25.5	0		
5	QPSK	1	12	24.00	24.11	24.07				
5	QPSK	1	24	24.02	24.10	24.08				
5	QPSK	12	0	23.09	23.24	22.95	24.5	1		
5	QPSK									



Band 17 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				23755	23750	23825			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.12	24.26	24.23			
10	QPSK	1	25	24.10	24.16	24.07	25	0	
10	QPSK	1	49	24.07	24.21	24.12			
10	QPSK	25	0	23.04	23.22	23.05			
10	QPSK	25	12	23.06	23.14	23.06	24	1	
10	QPSK	25	25	23.04	23.16	23.07			
10	QPSK	50	0	22.98	23.11	23.04			
10	16QAM	1	0	23.12	23.14	23.20			
10	16QAM	1	25	23.07	23.15	23.04	24	1	
10	16QAM	1	49	23.03	23.10	23.10			
10	16QAM	25	0	21.95	22.16	22.06			
10	16QAM	25	12	21.96	22.10	22.06	23	2	
10	16QAM	25	25	21.97	22.06	22.03			
10	16QAM	50	0	21.97	22.01	22.04			
10	64QAM	1	0	22.26	22.26	22.17			
10	64QAM	1	25	22.05	22.12	22.11	23	2	
10	64QAM	1	49	22.03	22.11	22.13			
10	64QAM	25	0	21.07	21.21	21.02			
10	64QAM	25	12	21.09	21.17	21.02	22	3	
10	64QAM	25	25	21.00	21.13	21.04			
10	64QAM	50	0	21.04	21.09	21.06			
10	256QAM	1	0	18.97	19.09	19.09			
10	256QAM	1	25	18.97	19.14	18.99	20	5	
10	256QAM	1	49	18.98	19.12	19.07			
10	256QAM	25	0	18.95	19.17	19.00			
10	256QAM	25	12	19.00	19.07	18.99	20	5	
10	256QAM	25	25	19.02	19.12	19.09			
10	256QAM	50	0	18.94	19.04	19.06			
Channel				23755	23750	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.05	24.18	24.17			
5	QPSK	1	12	24.07	24.04	23.94	25	0	
5	QPSK	1	24	23.98	24.06	23.93			
5	QPSK	12	0	22.98	23.18	22.94			
5	QPSK	12	7	22.97	23.02	22.92	24	1	
5	QPSK	12	13	22.92	23.05	22.95			
5	QPSK	25	0	22.88	22.97	22.92			
5	16QAM	1	0	22.96	23.02	23.12			
5	16QAM	1	12	23.02	23.11	22.95	24	1	
5	16QAM	1	24	22.97	23.00	23.01			
5	16QAM	12	0	21.83	22.05	21.98			
5	16QAM	12	7	21.93	22.05	21.97	23	2	
5	16QAM	12	13	21.92	21.99	21.91			
5	16QAM	25	0	21.83	21.99	21.95			
5	64QAM	1	0	22.00	22.19	22.06			
5	64QAM	1	12	22.01	22.00	22.06	23	2	
5	64QAM	1	24	21.98	22.07	22.01			
5	64QAM	12	0	20.97	21.11	20.92			
5	64QAM	12	7	21.04	21.11	20.97	22	3	
5	64QAM	12	13	20.95	20.90	20.95			
5	64QAM	25	0	20.90	21.03	21.03			
5	256QAM	1	0	18.90	19.01	19.05			
5	256QAM	1	12	18.90	19.04	18.85	20	5	
5	256QAM	1	24	18.85	19.00	19.00			
5	256QAM	12	0	18.84	19.07	18.92			
5	256QAM	12	7	18.95	18.97	18.85	20	5	
5	256QAM	12	13	18.94	19.07	19.05			
5	256QAM	25	0	18.89	18.96	18.92			

Band 26 Ant1 for FCC 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				26745	26665	26990			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.18	24.25	24.07			
15	QPSK	1	37	24.04	24.15	24.07	25.7	0	
15	QPSK	1	74	24.12	24.14	24.12			
15	QPSK	38	0	23.07	23.24	23.08			
15	QPSK	38	20	23.07	23.12	23.08	24.7	1	
15	QPSK	38	39	23.10	23.17	23.08			
15	QPSK	75	0	23.01	23.16	23.05			
15	16QAM	1	0	23.23	23.25	23.28			
15	16QAM	1	37	23.08	23.19	23.09	24.7	1	
15	16QAM	1	74	23.04	23.21	23.05			
15	16QAM	38	0	22.04	22.25	22.17			
15	16QAM	38	20	22.03	22.12	22.11	23.7	2	
15	16QAM	38	39	22.04	22.12	22.10			
15	16QAM	75	0	22.04	22.16	22.10			
15	64QAM	1	0	22.16	22.29	22.24			
15	64QAM	1	37	22.03	22.14	22.10	23.7	2	
15	64QAM	1	74	22.08	22.11	22.08			
15	64QAM	38	0	21.01	21.21	21.05			
15	64QAM	38	20	21.03	21.11	21.10	22.7	3	
15	64QAM	38	39	21.10	21.12	21.05			
15	64QAM	75	0	21.01	21.12	21.07			
15	256QAM	1	0	19.10	19.15	19.15			
15	256QAM	1	37	19.09	19.20	19.12	20.7	5	
15	256QAM	1	74	19.14	19.11	19.08			
15	256QAM	38	0	19.05	19.25	19.13			
15	256QAM	38	20	19.08	19.20	19.12	20.7	5	
15	256QAM	38	39	19.10	19.17	19.16			
15	256QAM	75	0	19.07	19.12	19.08			
Channel				26740	26665	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.05	24.21	24.00			
10	QPSK	1	25	23.91	24.09	23.99	25.7	0	
10	QPSK	1	49	24.08	24.03	23.98			
10	QPSK	25	0	22.96	23.14	23.02			
10	QPSK	25	12	22.98	22.99	22.93	24.7	1	
10	QPSK	25	25	23.00	23.04	22.98			
10	QPSK	50	0	22.88	23.06	22.96			
10	16QAM	1	0	23.16	23.21	23.24			
10	16QAM	1	25	23.04	23.12	23.06	24.7	1	
10	16QAM	1	49	22.90	23.08	22.90			
10	16QAM	25	0	21.94	22.11	22.05			
10	16QAM	25	12	21.97	21.99	22.01	23.7	2	
10	16QAM	25	25	21.99	22.03	21.99			
10	64QAM	25	12	20.97	21.03	21.01	22.7	3	
10	64QAM	25	25	21.00	21.09	20.95			
10	64QAM	50	0	20.89	21.01	20.97			
10	256QAM	1	0	19.07	19.08	19.09			
10	256QAM	1	25	18.97	19.05	19.01	20.7	5	
10	256QAM	1	49	19.10	19.03	18.96			
10	256QAM	25	0	18.93	19.23	19.04			
10	256QAM	25	12	19.01	19.12	19.03	20.7	5	
10	256QAM	25	25	19.06	19.04	19.05			
10	256QAM	50	0	19.03	18.99	19.03			
Channel				26715	26665	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.06	24.21	23.96			
5	QPSK	1	12	23.90	24.05	23.96	25.7	0	
5	QPSK	1	24	24.05	24.05	23.97			
5	QPSK	12	0	22.93	23.15	23.00			
5	QPSK	12	7	22.92	23.03	23.01	24.7	1	
5	QPSK	12	13	23.01	23.10	23.02			
5	QPSK	25	0	22.83	23.13	22.93			
5	16QAM	1	0	23.10	23.17	23.17			
5	16QAM	1	12	23.01	23.15	22.94	24.7	1	
5	16QAM	1	24	22.95	23.13	23.01			
5	16QAM	12	0	21.92	22.19	22.14			
5	16QAM	12	7	21.91	22.00	22.03	23.7	2	
5	16QAM	12	13	21.95	21.98	22.05			
5	16QAM	25	0	21.94	22.11	22.02			
5	64QAM	1	0	22.04	22.26	22.19			
5	64QAM	1	12	21.94	22.11	22.06	23.7	2	
5	64QAM	1	24	22.01	22.07	21.97			
5	64QAM	12	0	20.92	21.13	21.01			
5	64QAM	12	7	20.99	21.06	21.07	22.7	3	
5	64QAM	12	13	20.97	21.00	20.			



**GSM1900 Ant3 Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	152.12	180	169.8	152.12	180.3	169.8		
GSM 1 Tx slot	29.88	30.11	30.12	31.00	29.88	21.11	21.12	22.00
GPRS 1 Tx slot	26.84	30.01	30.03	31.00	26.84	21.01	21.03	22.00
GPRS 2 Tx slots	26.71	26.84	26.88	27.50	20.71	20.64	20.68	21.50
GPRS 3 Tx slots	24.54	24.61	24.42	25.50	20.28	20.35	20.16	21.24
GPRS 4 Tx slots	23.88	24.09	24.13	24.50	20.88	21.09	21.13	21.50
EDGE 1 Tx slot	25.37	25.42	25.56	27.00	16.37	16.42	16.56	18.00
EDGE 2 Tx slots	22.21	22.28	22.30	24.00	16.21	16.28	16.30	18.00
EDGE 3 Tx slots	20.12	20.31	20.15	22.00	15.86	16.05	15.89	17.74
EDGE 4 Tx slots	19.44	19.54	19.20	21.00	16.44	16.54	16.20	18.00

**WCDMA II Ant3 DSIS**

**WCDMA IV Ant3 DSIS**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9682	9800	9938	1537	1638	1738			
Frequency (MHz)	1853.4	1880	1907.6	1733.4	1733.5	1533.5			
SCPP Rel 99	AMR 12.2kops	22.99	23.09	22.99	24.00	23.23	23.33	23.23	24.00
SCPP Rel 99	RMC 12.2kops	23.02	23.19	22.97	24.00	23.33	23.41	23.40	24.00
SCPP Rel 6	HSDPA Subtest-1	21.80	22.01	22.01	23.00	22.14	22.43	22.38	23.00
SCPP Rel 6	HSDPA Subtest-2	21.91	22.10	21.87	23.00	22.21	22.53	22.36	23.00
SCPP Rel 6	HSDPA Subtest-3	21.44	21.71	21.48	22.50	21.73	21.79	21.77	22.50
SCPP Rel 6	HSDPA Subtest-4	21.52	21.62	21.51	22.50	21.84	21.90	21.72	22.50
SCPP Rel 6	DC-HSDPA Subtest-1	21.87	22.05	22.05	23.00	22.14	22.42	22.27	23.00
SCPP Rel 6	DC-HSDPA Subtest-2	21.90	22.20	21.89	23.00	22.26	22.46	22.29	23.00
SCPP Rel 6	DC-HSDPA Subtest-3	21.35	21.49	21.48	22.50	21.67	21.93	21.76	22.50
SCPP Rel 6	DC-HSDPA Subtest-4	21.32	21.57	21.85	22.50	21.77	21.85	21.85	22.50
SCPP Rel 6	HSUPA Subtest-1	21.97	22.13	22.11	23.00	22.06	22.41	22.24	23.00
SCPP Rel 6	HSUPA Subtest-2	19.97	20.14	19.96	21.00	20.12	20.32	20.30	21.00
SCPP Rel 6	HSUPA Subtest-3	20.93	21.12	20.96	22.00	21.23	21.28	21.24	22.00
SCPP Rel 6	HSUPA Subtest-4	19.84	20.16	19.89	21.00	20.11	20.47	20.22	21.00
SCPP Rel 6	HSUPA Subtest-5	21.88	21.98	21.78	23.00	22.13	22.20	22.16	23.00
SCPP Rel 7	HSPA+ (16QAM) Subtest-1	19.24	19.57	19.42	20.50	19.59	19.73	19.69	20.50





Band 2 Ant3 DS13										Band 4 Ant3 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Mod./Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)	Channel	BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Mod./Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)	Channel
20	QPSK	1	0	23.26	23.26	23.26	24	0	1865	20	QPSK	1	0	23.26	23.26	23.26	24	0	1720
20	QPSK	1	49	23.24	23.24	23.24	24	0	1866	20	QPSK	1	49	23.24	23.24	23.24	24	0	1721
20	QPSK	1	99	23.14	23.14	23.14	24	0	1867	20	QPSK	1	99	23.14	23.14	23.14	24	0	1722
20	QPSK	50	24	23.14	23.20	23.05	24	0	1868	20	QPSK	50	24	22.99	23.04	22.95	24	0.5	1723
20	QPSK	50	50	23.07	23.21	23.06	24	0	1869	20	QPSK	50	50	22.96	23.10	22.86	24	0.5	1724
20	16QAM	1	0	23.01	23.18	23.03	24	0	1870	20	16QAM	1	0	22.92	23.10	22.99	24	0.5	1725
20	16QAM	1	49	23.08	23.21	23.16	24	0	1871	20	16QAM	1	49	22.95	23.16	22.97	24	0.5	1726
20	16QAM	50	24	22.95	22.94	22.97	23.5	0.5	1872	20	16QAM	50	24	21.91	21.98	21.91	23	1.5	1727
20	16QAM	50	50	22.85	22.90	22.85	23.5	0.5	1873	20	16QAM	50	50	21.71	21.86	21.69	23	1.5	1728
20	16QAM	100	0	22.85	22.90	22.85	23.5	0.5	1874	20	16QAM	100	0	21.66	21.96	21.68	23	1.5	1729
20	16QAM	100	49	22.85	22.90	22.85	23.5	0.5	1875	20	16QAM	100	49	21.78	21.95	21.78	23	1.5	1730
20	16QAM	100	99	22.49	22.52	22.59	23.5	0.5	1876	20	16QAM	100	99	21.74	21.67	21.68	22	2.5	1731
20	16QAM	100	24	21.81	21.87	21.81	22.5	1.5	1877	20	16QAM	100	24	20.95	20.94	20.92	22	2.5	1732
20	16QAM	50	50	21.45	21.50	21.42	22.5	1.5	1878	20	16QAM	50	50	20.96	20.74	20.63	20	4.5	1733
20	256QAM	1	0	18.51	18.56	18.53	20.5	3.5	1879	20	256QAM	1	0	18.79	18.74	18.82	20	4.5	1734
20	256QAM	1	49	18.49	18.54	18.51	20.5	3.5	1880	20	256QAM	1	49	18.83	18.89	18.84	20	4.5	1735
20	256QAM	50	24	18.48	18.44	18.53	20.5	3.5	1881	20	256QAM	50	24	18.82	18.92	18.73	20	4.5	1736
20	256QAM	50	50	18.47	18.51	18.55	20.5	3.5	1882	20	256QAM	50	50	18.70	18.85	18.83	20	4.5	1737
20	256QAM	100	0	18.45	18.50	18.49	20.5	3.5	1883	20	256QAM	100	0	18.80	18.81	18.75	20	4.5	1738
15	QPSK	1	0	23.19	23.29	23.21	24	0	1897	15	QPSK	1	0	23.20	23.35	23.27	24	0	1739
15	QPSK	1	74	23.05	23.28	23.21	24	0	1898	15	QPSK	1	74	23.07	23.26	23.24	24	0	1740
15	QPSK	36	0	22.67	23.20	23.08	24	0	1899	15	QPSK	36	0	22.64	23.20	22.65	24	0.5	1741
15	QPSK	36	29	22.67	23.15	23.01	24	0	1900	15	QPSK	36	29	22.34	23.28	22.75	24	0.5	1742
15	QPSK	75	0	22.04	23.11	23.01	24	0	1901	15	QPSK	75	0	22.42	23.02	22.61	24	0.5	1743
15	16QAM	1	37	23.09	23.18	23.10	24	0	1902	15	16QAM	1	37	22.81	22.67	22.69	24	0.5	1744
15	16QAM	1	74	23.16	23.14	23.12	24	0	1903	15	16QAM	1	74	22.99	22.92	22.85	24	0.5	1745
15	16QAM	36	20	22.42	22.49	22.41	23.5	0.5	1904	15	16QAM	36	20	21.54	21.65	21.69	23	1.5	1746
15	16QAM	36	50	22.36	22.41	22.37	23.5	0.5	1905	15	16QAM	36	50	21.76	21.77	21.43	23	1.5	1747
15	16QAM	75	0	22.46	22.60	22.53	23	1.5	1906	15	16QAM	75	0	21.48	21.82	21.51	23	1.5	1748
15	16QAM	75	49	22.45	22.48	22.48	23	1.5	1907	15	16QAM	75	49	21.56	21.41	21.45	23	1.5	1749
15	16QAM	36	20	21.43	21.69	21.33	22.5	1.5	1908	15	16QAM	36	20	20.67	20.68	20.61	22	2.5	1750
15	16QAM	36	50	21.43	21.63	21.44	22.5	1.5	1909	15	16QAM	36	50	20.96	20.97	20.62	22	2.5	1751
15	16QAM	75	0	21.42	21.43	21.35	22.5	1.5	1910	15	16QAM	75	0	20.62	20.59	20.41	20	4.5	1752
15	16QAM	75	49	21.42	21.43	21.35	22.5	1.5	1911	15	16QAM	75	49	20.87	18.88	18.84	20	4.5	1753
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1912	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1754
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1913	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1755
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1914	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1756
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1915	15	16QAM	75	49	21.48	21.54	21.48	22	2.5	1757
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1916	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1758
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1917	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1759
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1918	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1760
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1919	15	16QAM	75	49	21.48	21.54	21.48	22	2.5	1761
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1920	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1762
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1921	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1763
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1922	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1764
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1923	15	16QAM	75	49	21.48	21.54	21.48	22	2.5	1765
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1924	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1766
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1925	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1767
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1926	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1768
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1927	15	16QAM	75	49	21.48	21.54	21.48	22	2.5	1769
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1928	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1770
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1929	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1771
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1930	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1772
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1931	15	16QAM	75	49	21.48	21.54	21.48	22	2.5	1773
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1932	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1774
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1933	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1775
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1934	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1776
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1935	15	16QAM	75	49	21.48	21.54	21.48	22	2.5	1777
15	16QAM	36	20	21.42	21.48	21.41	22.5	1.5	1936	15	16QAM	36	20	21.48	21.54	21.48	22	2.5	1778
15	16QAM	36	50	21.42	21.48	21.41	22.5	1.5	1937	15	16QAM	36	50	21.48	21.54	21.48	22	2.5	1779
15	16QAM	75	0	21.42	21.48	21.41	22.5	1.5	1938	15	16QAM	75	0	21.48	21.54	21.48	22	2.5	1780
15	16QAM	75	49	21.42	21.48	21.41	22.5	1.5	1939	15	16QAM	75	49	21.48	21.54	21.48			



Band 38 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid/Low Ch. / Freq.	Power Mid/High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.82	24.69	24.84	25.5	0		
20	QPSK	1	49	24.50	24.61	24.82				
20	QPSK	1	99	24.47	24.64	24.52				
20	QPSK	50	0	23.53	23.69	23.48				
20	QPSK	50	24	23.52	23.69	23.55				
20	QPSK	50	50	23.50	23.52	23.54				
20	QPSK	100	0	23.56	23.69	23.62				
20	16QAM	1	0	23.54	23.65	23.66	24.5	1		
20	16QAM	1	49	23.50	23.60	23.50				
20	16QAM	1	99	23.48	23.53	23.53				
20	16QAM	50	0	22.45	22.64	22.51				
20	16QAM	50	24	22.49	22.50	22.56				
20	16QAM	50	50	22.45	22.59	22.47				
20	16QAM	100	0	22.52	22.59	22.56				
20	64QAM	1	0	22.60	22.62	22.63				
20	64QAM	1	49	22.50	22.58	22.51				
20	64QAM	1	99	22.49	22.61	22.55				
20	64QAM	50	0	21.47	21.66	21.51				
20	64QAM	50	24	21.52	21.51	21.55				
20	64QAM	50	50	21.47	21.56	21.57				
20	64QAM	100	0	21.44	21.60	21.58				
20	256QAM	1	0	19.44	19.58	19.50				
20	256QAM	1	49	19.44	19.55	19.48				
20	256QAM	1	99	19.42	19.53	19.55				
20	256QAM	50	0	19.51	19.63	19.49				
20	256QAM	50	24	19.40	19.54	19.45				
20	256QAM	50	50	19.49	19.55	19.56				
20	256QAM	100	0	19.42	19.51	19.55				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	24.52	24.60	24.58	25.5	0		
15	QPSK	1	37	24.38	24.58	24.51				
15	QPSK	1	74	24.34	24.50	24.47				
15	QPSK	36	0	23.39	23.52	23.35				
15	QPSK	36	20	23.38	23.51	23.49				
15	QPSK	36	39	23.36	23.43	23.46				
15	QPSK	75	0	23.49	23.56	23.57				
15	16QAM	1	0	23.48	23.62	23.57				
15	16QAM	1	37	23.40	23.50	23.38				
15	16QAM	1	74	23.35	23.43	23.46				
15	16QAM	36	0	22.34	22.39	22.42				
15	16QAM	36	20	22.40	22.41	22.51				
15	16QAM	36	39	22.38	22.48	22.36				
15	16QAM	75	0	22.40	22.53	22.44				
15	64QAM	1	0	22.52	22.57	22.54				
15	64QAM	1	37	22.42	22.47	22.40				
15	64QAM	1	74	22.43	22.57	22.41				
15	64QAM	36	0	21.35	21.58	21.46				
15	64QAM	36	20	21.40	21.41	21.51				
15	64QAM	36	39	21.41	21.46	21.53				
15	64QAM	75	0	21.30	21.48	21.53				
15	256QAM	1	0	19.37	19.49	19.39				
15	256QAM	1	37	19.30	19.52	19.37				
15	256QAM	1	74	19.28	19.38	19.44				
15	256QAM	36	0	19.43	19.58	19.39				
15	256QAM	36	20	19.26	19.45	19.32				
15	256QAM	36	39	19.35	19.43	19.45				
15	256QAM	75	0	19.35	19.42	19.44				
Channel				37800	38050	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	24.55	24.59	24.60	25.5	0		
10	QPSK	1	25	24.45	24.50	24.56				
10	QPSK	1	49	24.36	24.54	24.39				
10	QPSK	25	0	23.48	23.55	23.44				
10	QPSK	25	12	23.45	23.46	23.44				
10	QPSK	25	25	23.37	23.42	23.43				
10	QPSK	50	0	23.49	23.57	23.55				
10	16QAM	1	0	23.41	23.52	23.61				
10	16QAM	1	25	23.36	23.52	23.40				
10	16QAM	1	49	23.38	23.40	23.39				
10	16QAM	25	0	22.35	22.49	22.48				
10	16QAM	25	12	22.39	22.40	22.46				
10	16QAM	25	25	22.40	22.49	22.41				
10	16QAM	50	0	22.41	22.53	22.49				
10	64QAM	1	0	22.56	22.55	22.48				
10	64QAM	1	25	22.45	22.48	22.47				
10	64QAM	1	49	22.39	22.54	22.51				
10	64QAM	25	0	21.38	21.55	21.38				
10	64QAM	25	12	21.49	21.39	21.44				
10	64QAM	25	25	21.33	21.60	21.54				
10	64QAM	50	0	21.40	21.55	21.55				
10	256QAM	1	0	19.31	19.54	19.44				
10	256QAM	1	25	19.32	19.41	19.38				
10	256QAM	1	49	19.39	19.50	19.43				
10	256QAM	25	0	19.37	19.52	19.37				
10	256QAM	25	12	19.36	19.45	19.38				
10	256QAM	25	25	19.44	19.41	19.43				
10	256QAM	50	0	19.36	19.47	19.51				
Channel				37775	38000	38225				
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	24.53	24.65	24.57	25.5	0		
5	QPSK	1	12	24.46	24.57	24.50				
5	QPSK	1	24	24.34	24.58	24.48				
5	QPSK	12	0	23.46	23.57	23.42				
5	QPSK	12	7	23.42	23.48	23.48				
5	QPSK	12	13	23.47	23.38	23.41				
5	QPSK	25	0	23.51	23.59	23.47				
5	16QAM	1	0	23.50	23.53	23.54				
5	16QAM	1	12	23.38	23.47	23.38				
5	16QAM	1	24	23.40	23.39	23.43				
5	16QAM	12	0	22.34	22.50	22.43				
5	16QAM	12	7	22.43	22.36	22.53				
5	16QAM	12	13	22.38	22.52	22.35				
5	16QAM	25	0	22.43	22.53	22.43				
5	64QAM	1	0	22.55	22.58	22.51				
5	64QAM	1	12	22.44	22.43	22.36				
5	64QAM	1	24	22.45	22.57	22.42				
5	64QAM	12	0	21.35	21.62	21.40				
5	64QAM	12	7	21.44	21.36	21.44				
5	64QAM	12	13	21.42	21.49	21.48				
5	64QAM	25	0	21.40	21.49	21.53				
5	256QAM	1	0	19.32	19.48	19.42				
5	256QAM	1	12	19.41	19.48	19.40				
5	256QAM	1	24	19.39	19.40	19.40				
5	256QAM	12	0	19.39	19.54	19.44				
5	256QAM	12	7	19.33	19.49	19.31				
5	256QAM	12	13	19.41	19.41	19.47				
5	256QAM	25	0	19.38	19.47	19.46				

Band 41 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid/Low Ch. / Freq.	Power Mid/High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.71	24.60	24.81	24.74	24.75	25.5	0
20	QPSK	1	49	24.60	24.68	24.74	24.64	24.62		
20	QPSK	1	99	24.72	24.58	24.77	24.64	24.64		
20	QPSK	50	0	23.75	23.64	23.79	23.69	23.70		
20	QPSK	50	24	23.63	23.66	23.68	23.68	23.53		
20	QPSK	50	50	23.64	23.63	23.73	23.62	23.58		
20	QPSK	100	0	23.60	23.51	23.73	23.56	23.69		
20	16QAM	1	0	23.71	23.63	23.75	23.67	23.64	24.5	1
20	16QAM	1	49	23.54	23.58	23.61	23.58	23.56		
20	16QAM	1	99	23.57	23.63	23.				



Band 2 Ant4 Defout										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Time-up (min)	MPR (dB)		
Channel										
1800 1860 1920										
20	QPSK	1	0	23.47	23.56	23.44			25	0
20	QPSK	1	49	23.39	23.48	23.39				
20	QPSK	1	99	23.39	23.49	23.39				
20	QPSK	50	0	22.41	22.63	22.52			24	1
20	QPSK	50	24	22.52	22.83	22.67				
20	QPSK	50	50	22.43	22.56	22.51				
20	QPSK	100	0	22.44	22.61	22.45			24	1
20	QPSK	100	24	22.57	22.87	22.69				
20	HQAM	1	49	22.41	22.47	22.41			24	1
20	HQAM	1	99	22.38	22.43	22.43				
20	HQAM	1	2139	21.59	21.58	21.59				
20	HQAM	50	24	21.43	21.44	21.41			23	2
20	HQAM	50	50	21.42	21.44	21.42				
20	HQAM	100	0	21.44	21.48	21.46				
20	HQAM	1	0	21.58	21.71	21.56				
20	HQAM	1	49	21.47	21.51	21.44			23	2
20	HQAM	1	99	21.44	21.58	21.47				
20	HQAM	50	24	20.60	20.47	20.50			22	3
20	HQAM	50	50	20.58	20.57	20.58				
20	HQAM	100	0	20.47	20.37	20.50				
20	ZSSM	1	0	18.38	18.47	18.44				
20	ZSSM	1	49	18.40	18.56	18.52			20	5
20	ZSSM	1	99	18.43	18.49	18.42				
20	ZSSM	50	24	18.44	18.52	18.47				
20	ZSSM	50	50	18.43	18.48	18.52			20	5
20	ZSSM	100	0	18.47	18.44	18.50				
20	ZSSM	100	24	18.52	18.53	18.52				
Channel										
1860 1920 1980										
16	QPSK	1	0	23.40	23.43	23.39			25	0
16	QPSK	1	49	23.32	23.31	23.31				
16	QPSK	1	74	23.30	23.43	23.30				
16	QPSK	50	0	22.38	22.59	22.41			24	1
16	QPSK	50	24	22.57	22.45	22.59				
16	QPSK	50	36	22.34	22.45	22.41				
16	QPSK	100	0	22.40	22.47	22.40			24	1
16	QPSK	100	24	22.45	22.49	22.48				
16	HQAM	1	37	22.27	22.43	22.29			24	1
16	HQAM	1	74	22.28	22.44	22.28				
16	HQAM	36	20	21.38	21.33	21.34			23	2
16	HQAM	36	36	21.32	21.35	21.39				
16	HQAM	75	0	21.32	21.35	21.39				
16	HQAM	1	0	21.50	21.62	21.58			23	2
16	HQAM	1	37	21.52	21.62	21.58				
16	HQAM	1	74	21.52	21.51	21.51				
16	HQAM	36	0	20.37	20.51	20.45			22	3
16	HQAM	36	36	20.36	20.36	20.36				
16	HQAM	75	39	20.34	20.44	20.44				
16	HQAM	75	0	20.38	20.51	20.46				
16	ZSSM	1	0	18.41	18.41	18.41				
16	ZSSM	1	37	18.30	18.47	18.43			20	5
16	ZSSM	1	74	18.28	18.43	18.37				
16	ZSSM	50	24	18.34	18.38	18.43				
16	ZSSM	50	50	18.33	18.38	18.44			20	5
16	ZSSM	100	0	18.40	18.38	18.38				
16	ZSSM	100	24	18.45	18.43	18.38				
Channel										
1920 1980 2040										
10	QPSK	1	0	23.37	23.37	23.31			25	0
10	QPSK	1	25	23.27	23.37	23.31				
10	QPSK	1	49	23.33	23.43	23.33				
10	QPSK	50	0	22.30	22.46	22.40			24	1
10	QPSK	50	24	22.46	22.36	22.47				
10	QPSK	50	25	22.36	22.51	22.40				
10	QPSK	100	0	22.45	22.52	22.45			24	1
10	QPSK	100	24	22.45	22.52	22.47				
10	HQAM	1	25	22.30	22.40	22.38			24	1
10	HQAM	1	50	22.38	22.48	22.38				
10	HQAM	25	0	21.33	21.50	21.33				
10	HQAM	25	25	21.30	21.35	21.33			23	2
10	HQAM	50	0	21.32	21.35	21.39				
10	HQAM	50	0	21.41	21.41	21.37				
10	HQAM	1	0	21.46	21.65	21.60			23	2
10	HQAM	1	25	21.38	21.65	21.61				
10	HQAM	1	49	21.31	21.42	21.41				
10	HQAM	36	0	20.33	20.49	20.43			22	3
10	HQAM	36	36	20.33	20.33	20.33				
10	HQAM	75	25	20.44	20.52	20.38				
10	HQAM	75	0	20.35	20.49	20.47				
10	ZSSM	1	0	18.34	18.42	18.40				
10	ZSSM	1	49	18.30	18.49	18.46			20	5
10	ZSSM	1	99	18.30	18.38	18.27				
10	ZSSM	50	24	18.45	18.45	18.40				
10	ZSSM	50	50	18.38	18.41	18.47			20	5
10	ZSSM	100	0	18.35	18.37	18.42				
10	ZSSM	100	24	18.37	18.46	18.38				
Channel										
1980 2040 2100										
5	QPSK	1	0	23.34	23.34	23.34			25	0
5	QPSK	1	14	23.35	23.31	23.31				
5	QPSK	1	28	23.31	23.38	23.28				
5	QPSK	12	0	22.30	22.48	22.40			24	1
5	QPSK	12	13	22.29	22.45	22.43				
5	QPSK	12	24	22.31	22.48	22.41				
5	HQAM	1	0	22.52	22.55	22.51			24	1
5	HQAM	1	12	22.35	22.42	22.33				
5	HQAM	12	0	21.36	21.52	21.38				
5	HQAM	12	13	21.34	21.38	21.31			23	2
5	HQAM	25	0	21.32	21.40	21.34				
5	HQAM	25	0	21.32	21.46	21.41				
5	HQAM	12	0	20.32	20.33	20.44			22	3
5	HQAM	12	13	20.28	20.42	20.39				
5	HQAM	12	13	20.37	20.54	20.49				
5	HQAM	25	0	20.40	20.52	20.41				
5	HQAM	25	13	19.38	19.37	19.38			20	5
5	ZSSM	1	12	18.33	18.45	18.44				
5	ZSSM	1	49	18.30	18.42	18.26				
5	ZSSM	1	99	18.30	18.34	18.42				
5	ZSSM	50	24	18.30	18.38	18.37				
5	ZSSM	50	50	18.35	18.38	18.38			20	5
5	ZSSM	100	0	18.39	18.45	18.34				
5	ZSSM	100	24	18.37	18.46	18.34				
Channel										
1860 1920 1980										
3	QPSK	1	0	23.43	23.44	23.34			25	0
3	QPSK	1	8	23.27	23.33	23.40				
3	QPSK	1	14	23.35	23.42	23.28				
3	QPSK	12	0	22.30	22.48	22.41			24	1
3	QPSK	12	8	22.31	22.46	22.39				
3	QPSK	12	15	22.31	22.53	22.41				
3	HQAM	1	0	22.45	22.49	22.43			24	1
3	HQAM	1	8	22.27	22.41	22.27				
3	HQAM	12	0	22.25	22.29	22.28				
3	HQAM	12	8	21.32	21.45	21.41			23	2
3	HQAM	12	15	21.09	21.40	21.34				
3	HQAM	15	0	21.31	21.38	21.31				
3	HQAM	1	0	21.42	21.48	21.37			23	2
3	HQAM	1	24	21.38	21.48	21.43				
3	HQAM	1	8	20.37	20.31	20.43			22	3
3	HQAM	1	15	20.32	20.32	20.37				
3	HQAM	8	7	20.37	20.46	20.44				
3	HQAM	15	8	19.30	19.40	19.44			20	5
3	HQAM	15	8	18.33	18.41	18.44				
3	ZSSM	1	8	18.34	18.48	18.47				
3	ZSSM	1	14	18.38	18.35	18.38				
3	ZSSM	1	28	18.37	18.52	18.41			20	5
3	ZSSM	50	1	18.30						



Band 38 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.46	23.55	23.41	25	0	
20	QPSK	1	49	23.39	23.42	23.36			
20	QPSK	1	99	23.42	23.48	23.44			
20	QPSK	50	0	22.44	22.51	22.47	24	1	
20	QPSK	50	24	22.48	22.48	22.54			
20	QPSK	50	50	22.47	22.57	22.51			
20	QPSK	100	0	22.45	22.58	22.42	24	1	
20	16QAM	1	0	22.52	22.63	22.50			
20	16QAM	1	49	22.38	22.45	22.44			
20	16QAM	1	99	22.38	22.44	22.47			
20	16QAM	50	0	21.39	21.59	21.48	23	2	
20	16QAM	50	24	21.37	21.49	21.48			
20	16QAM	50	50	21.44	21.54	21.47			
20	16QAM	100	0	21.41	21.50	21.48			
20	64QAM	1	0	21.53	21.59	21.57	23	2	
20	64QAM	1	49	21.34	21.45	21.45			
20	64QAM	1	99	21.39	21.54	21.41			
20	64QAM	50	0	20.42	20.57	20.44			
20	64QAM	50	24	20.42	20.54	20.50	22	3	
20	64QAM	50	50	20.43	20.48	20.42			
20	64QAM	100	0	20.42	20.51	20.38			
20	256QAM	1	0	18.37	18.47	18.38	20	5	
20	256QAM	1	49	18.39	18.51	18.45			
20	256QAM	1	99	18.42	18.49	18.47			
20	256QAM	50	0	18.35	18.56	18.48			
20	256QAM	50	24	18.41	18.47	18.47	20	5	
20	256QAM	50	50	18.44	18.45	18.40			
20	256QAM	100	0	18.39	18.51	18.37			
Channel				37825	38000	38175			
Frequency (MHz)				25775	2595	26125			
15	QPSK	1	0	23.38	23.49	23.29	25	0	
15	QPSK	1	37	23.28	23.33	23.31			
15	QPSK	1	74	23.29	23.40	23.39			
15	QPSK	36	0	22.35	22.54	22.37	24	1	
15	QPSK	36	20	22.41	22.38	22.43			
15	QPSK	36	39	22.42	22.42	22.42			
15	QPSK	75	0	22.34	22.53	22.35	24	1	
15	16QAM	1	0	22.48	22.56	22.45			
15	16QAM	1	37	22.34	22.36	22.32			
15	16QAM	1	74	22.28	22.32	22.40	23	2	
15	16QAM	36	0	21.31	21.34	21.37			
15	16QAM	36	20	21.27	21.40	21.38			
15	16QAM	36	39	21.38	21.50	21.42			
15	16QAM	75	0	21.27	21.45	21.38	23	2	
15	64QAM	1	0	21.39	21.55	21.51			
15	64QAM	1	37	21.28	21.33	21.37			
15	64QAM	1	74	21.31	21.40	21.34			
15	64QAM	36	0	20.33	20.48	20.36	22	3	
15	64QAM	36	20	20.39	20.46	20.41			
15	64QAM	36	39	20.34	20.41	20.30			
15	64QAM	75	0	20.28	20.39	20.24			
15	256QAM	1	0	18.25	18.42	18.28	20	5	
15	256QAM	1	37	18.32	18.48	18.42			
15	256QAM	1	74	18.29	18.35	18.40			
15	256QAM	36	0	18.27	18.53	18.37			
15	256QAM	36	20	18.34	18.41	18.41	20	5	
15	256QAM	36	39	18.40	18.33	18.26			
15	256QAM	75	0	18.34	18.46	18.33			
Channel				37850	38050	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.40	23.46	23.29	25	0	
10	QPSK	1	25	23.27	23.30	23.26			
10	QPSK	1	49	23.29	23.40	23.33			
10	QPSK	25	0	22.41	22.38	22.40	24	1	
10	QPSK	25	12	22.42	22.37	22.39			
10	QPSK	25	25	22.44	22.52	22.46			
10	QPSK	50	0	22.32	22.52	22.31	24	1	
10	16QAM	1	0	22.46	22.55	22.39			
10	16QAM	1	25	22.26	22.36	22.37			
10	16QAM	1	49	22.31	22.30	22.33			
10	16QAM	25	0	21.28	21.54	21.40	23	2	
10	16QAM	25	12	21.24	21.38	21.37			
10	16QAM	25	25	21.40	21.48	21.39			
10	16QAM	50	0	21.43	21.37	21.41			
10	64QAM	1	0	21.43	21.52	21.50	23	2	
10	64QAM	1	25	21.29	21.33	21.33			
10	64QAM	1	49	21.33	21.45	21.32			
10	64QAM	25	0	20.32	20.46	20.29	22	3	
10	64QAM	25	12	20.30	20.51	20.45			
10	64QAM	25	25	20.34	20.44	20.34			
10	64QAM	50	0	20.27	20.41	20.25			
10	256QAM	1	0	18.28	18.37	18.27	20	5	
10	256QAM	1	25	18.30	18.37	18.31			
10	256QAM	1	49	18.30	18.39	18.41			
10	256QAM	25	0	18.20	18.43	18.38			
10	256QAM	25	12	18.25	18.33	18.34	20	5	
10	256QAM	25	25	18.29	18.34	18.30			
10	256QAM	50	0	18.34	18.40	18.32			
Channel				37775	38000	38225			
Frequency (MHz)				22725	2295	23175			
5	QPSK	1	0	23.42	23.46	23.30	25	0	
5	QPSK	1	12	23.34	23.36	23.24			
5	QPSK	1	24	23.28	23.38	23.30			
5	QPSK	12	0	22.34	22.50	22.38	24	1	
5	QPSK	12	7	22.37	22.37	22.50			
5	QPSK	12	13	22.42	22.50	22.37			
5	QPSK	25	0	22.38	22.50	22.34	24	1	
5	16QAM	1	0	22.45	22.57	22.37			
5	16QAM	1	12	22.34	22.42	22.36			
5	16QAM	1	24	22.32	22.36	22.37			
5	16QAM	12	0	21.24	21.52	21.42	23	2	
5	16QAM	12	7	21.26	21.35	21.44			
5	16QAM	12	13	21.33	21.45	21.41			
5	16QAM	25	0	21.26	21.46	21.33	23	2	
5	64QAM	1	0	21.45	21.46	21.54			
5	64QAM	1	12	21.21	21.37	21.30			
5	64QAM	1	24	21.28	21.49	21.33			
5	64QAM	12	0	20.31	20.48	20.32	22	3	
5	64QAM	12	7	20.33	20.39	20.42			
5	64QAM	12	13	20.40	20.41	20.29			
5	64QAM	25	0	20.28	20.39	20.25			
5	256QAM	1	0	18.27	18.42	18.30	20	5	
5	256QAM	1	12	18.26	18.37	18.39			
5	256QAM	1	24	18.38	18.45	18.44			
5	256QAM	12	0	18.27	18.45	18.37			
5	256QAM	12	7	18.28	18.39	18.38	20	5	
5	256QAM	12	13	18.33	18.41	18.30			
5	256QAM	25	0	18.33	18.40	18.32			

Band 41 Ant4 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2506	2549.5	2593			
20	QPSK	1	0	23.29	23.22	23.32	24.5	0	
20	QPSK	1	49	23.25	23.19	23.21			
20	QPSK	1	99	23.18	23.18	23.23			
20	QPSK	50	0	22.59	22.49	22.61	24	0.5	
20	QPSK	50	24	22.55	22.47	22.54			
20	QPSK	50	50	22.36	22.42	22.50			
20	QPSK	100	0	22.42	22.31	22.52			
20	16QAM	1	0	22.51	22.44	22.62	24	0.5	
20	16QAM	1	49	22.41	22.34	22.45			
20	16QAM	1	99	22.31	22.45	22.46			
20	16QAM	50	0	21.54	21.40	21.55	23	1.5	
20	16QAM	50	24	21.33	21.47	21.42			
20	16QAM	50	50	21.44	21.43	21.51			
20	16QAM	100	0	21.49	21.43	21.52			
20	64QAM	1	0	21.58	21.47	21.61	23</		



**GSM1900 AntS Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1829.2	1830	1830.8	30.00	18.02	18.03	18.03	21.00
GSM 1 Tx slot	28.48	28.53	28.49	30.00	19.48	19.53	19.49	21.00
GPRS 1 Tx slot	28.41	28.40	28.38	30.00	19.41	19.40	19.38	21.00
GPRS 2 Tx slots	25.11	25.16	25.27	27.00	19.11	19.16	19.27	21.00
GPRS 3 Tx slots	23.22	23.27	23.30	25.00	18.96	19.01	19.04	20.74
GPRS 4 Tx slots	22.89	22.71	22.87	23.00	19.89	19.73	19.87	21.00
EDGE 1 Tx slot	24.08	24.26	24.12	28.00	15.08	15.26	15.12	17.00
EDGE 2 Tx slots	21.15	21.18	21.07	23.00	15.15	15.18	15.07	17.00
EDGE 3 Tx slots	18.11	18.16	18.27	21.00	14.85	14.93	15.01	16.74
EDGE 4 Tx slots	18.05	18.20	18.11	20.00	15.05	15.20	15.11	17.00

**WCDMA II AntS Default**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Frequency (MHz)	1852.4	1858	1859.6	17.514	13.2	13.28	13.28	
3GPP Rel 99 RMC 12.2Kbps	23.44	23.53	23.41	24.50	23.42	23.51	23.46	24.50
3GPP Rel 99 RMC 12.2Kbps	23.56	23.61	23.50	24.50	23.51	23.60	23.57	24.50
3GPP Rel 6 HSDPA Subtest-1	22.26	22.54	22.44	23.50	22.43	22.54	22.30	23.50
3GPP Rel 6 HSDPA Subtest-2	22.35	22.56	22.39	23.50	22.46	22.56	22.35	23.50
3GPP Rel 6 HSDPA Subtest-3	21.93	21.99	21.97	23.00	22.03	21.98	21.85	23.00
3GPP Rel 6 HSDPA Subtest-4	21.87	22.02	21.93	23.00	22.00	22.08	21.89	23.00
3GPP Rel 6 DCHSDPA Subtest-1	22.34	22.61	22.50	23.50	22.44	22.57	22.23	23.50
3GPP Rel 6 DCHSDPA Subtest-2	22.44	22.54	22.35	23.50	22.40	22.55	22.45	23.50
3GPP Rel 6 DCHSDPA Subtest-3	21.86	21.99	21.81	23.00	21.89	22.02	21.77	23.00
3GPP Rel 6 DCHSDPA Subtest-4	21.83	22.09	22.00	23.00	22.08	22.00	21.86	23.00
3GPP Rel 6 HSUPA Subtest-1	22.22	22.45	22.53	23.50	22.51	22.49	22.29	23.50
3GPP Rel 6 HSUPA Subtest-2	20.31	20.59	20.43	21.50	20.41	20.42	20.37	21.50
3GPP Rel 6 HSUPA Subtest-3	21.30	21.59	21.38	22.50	21.37	21.61	21.36	22.50
3GPP Rel 6 HSUPA Subtest-4	20.29	20.61	20.50	21.50	20.53	20.55	20.31	21.50
3GPP Rel 6 HSUPA Subtest-5	22.36	22.55	22.37	23.50	22.29	22.52	22.36	23.50
3GPP Rel 7 HSPA (HSPA) Subtest-1	19.74	20.01	19.90	21.00	19.89	19.90	19.74	21.00



Band 4 Ant5 Default										
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)										
20	QPSK	1	0	23.94	23.92	23.92				
20	QPSK	1	49	23.87	23.93	23.91		25	0	
20	QPSK	1	99	23.87	23.93	23.91				
20	QPSK	50	0	22.76	22.90	22.79				
20	QPSK	50	24	22.83	22.83	22.83				
20	QPSK	50	50	22.72	22.82	22.81		24	1	
20	QPSK	100	0	22.72	22.91	22.75				
20	16QAM	100	0	23.00	23.13	23.04				
20	16QAM	1	49	22.94	23.07	22.95		24	1	
20	16QAM	1	99	22.98	23.07	23.02				
20	16QAM	50	0	21.87	22.95	21.87				
20	16QAM	50	24	21.90	21.90	21.90				
20	16QAM	50	50	21.89	21.98	21.89		23	2	
20	16QAM	100	0	21.89	21.99	21.92				
20	16QAM	100	0	21.94	22.08	22.05				
20	64QAM	1	49	21.96	22.01	21.95		23	2	
20	64QAM	50	0	20.91	21.92	20.87				
20	64QAM	50	24	20.79	20.91	20.84				
20	64QAM	50	50	20.84	20.98	20.90		22	3	
20	256QAM	100	0	20.82	20.95	20.84				
20	256QAM	1	49	18.88	18.94	18.88		19.5	2.5	
20	256QAM	1	99	18.81	18.88	18.92				
20	256QAM	50	0	18.86	18.92	18.86				
20	256QAM	50	24	18.85	18.98	18.89		20	5	
20	256QAM	50	50	18.78	18.90	18.86				
20	256QAM	100	0	18.70	18.83	18.79		19.5	2.5	
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.90	23.95	23.93				
15	QPSK	1	37	23.76	23.90	23.88		25	0	
15	QPSK	1	74	23.74	23.78	23.78				
15	QPSK	36	0	22.62	22.80	22.87				
15	QPSK	36	25	22.72	22.74	22.73				
15	QPSK	36	39	22.65	22.74	22.69		24	1	
15	QPSK	75	0	22.59	22.62	22.61				
15	QPSK	75	0	22.85	23.05	23.01				
15	16QAM	1	37	22.80	22.97	22.83		24	1	
15	16QAM	1	74	22.86	22.96	22.90				
15	16QAM	36	0	21.73	22.05	21.83				
15	16QAM	36	20	21.77	21.82	21.83		23	2	
15	16QAM	36	39	21.80	21.80	21.80				
15	16QAM	75	0	21.83	21.94	21.79				
15	64QAM	1	0	21.89	22.02	21.93		23	2	
15	64QAM	1	37	21.89	21.99	21.92				
15	64QAM	1	74	21.88	21.94	21.89				
15	64QAM	36	0	20.81	20.87	20.72				
15	64QAM	36	20	20.73	20.76	20.76		22	3	
15	64QAM	36	39	20.78	20.84	20.81				
15	64QAM	75	0	20.77	20.81	20.77				
15	256QAM	100	0	18.80	18.92	18.88		19.5	2.5	
15	256QAM	1	37	18.77	18.83	18.76				
15	256QAM	1	74	18.77	18.82	18.86				
15	256QAM	36	0	18.80	18.88	18.78		20	5	
15	256QAM	36	20	18.76	18.77	18.74				
15	256QAM	36	39	18.84	18.87	18.89				
15	256QAM	75	0	18.70	18.76	18.70		19.5	2.5	
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.87	23.90	23.89				
10	QPSK	1	25	23.75	23.87	23.81		25	0	
10	QPSK	1	49	23.82	23.82	23.77				
10	QPSK	12	0	22.66	22.76	22.71				
10	QPSK	25	12	22.74	22.67	22.78				
10	QPSK	25	25	22.63	22.78	22.73		24	1	
10	QPSK	50	0	22.66	22.85	22.80				
10	16QAM	1	0	22.85	22.99	22.94		24	1	
10	16QAM	1	24	22.88	22.94	22.85				
10	16QAM	12	0	21.73	21.92	21.75				
10	16QAM	12	12	21.84	21.91	21.86		23	2	
10	16QAM	12	24	21.76	21.88	21.84				
10	16QAM	50	0	21.76	21.84	21.73				
10	64QAM	1	0	21.89	21.98	21.94		23	2	
10	64QAM	1	24	21.86	21.94	21.89				
10	64QAM	12	0	21.82	21.94	21.82				
10	64QAM	25	0	20.81	20.90	20.78				
10	64QAM	25	12	20.76	20.87	20.88		22	3	
10	64QAM	25	25	20.80	20.83	20.75				
10	64QAM	50	0	20.78	20.81	20.72				
10	256QAM	100	0	18.83	18.93	18.88		19.5	2.5	
10	256QAM	1	24	18.74	18.89	18.85				
10	256QAM	1	49	18.66	18.82	18.79				
10	256QAM	12	0	18.80	18.90	18.80		20	5	
10	256QAM	12	12	18.80	18.73	18.73				
10	256QAM	25	25	18.74	18.83	18.78				
10	256QAM	50	0	18.69	18.83	18.78		19.5	2.5	
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.83	23.90	23.85				
5	QPSK	1	12	23.77	23.82	23.89		25	0	
5	QPSK	1	24	23.72	23.80	23.80				
5	QPSK	12	0	22.66	22.76	22.71				
5	QPSK	12	7	22.71	22.75	22.81				
5	QPSK	12	13	22.59	22.75	22.75		24	1	
5	QPSK	25	0	22.65	22.77	22.76				
5	16QAM	1	0	22.97	23.06	22.94		24	1	
5	16QAM	1	12	22.88	22.96	22.91				
5	16QAM	1	24	22.85	22.94	22.84				
5	16QAM	12	0	21.81	21.94	21.75				
5	16QAM	12	7	21.78	21.84	21.81		23	2	
5	16QAM	12	13	21.84	21.88	21.84				
5	16QAM	25	0	21.81	21.92	21.83				
5	64QAM	1	0	21.89	21.95	21.92		23	2	
5	64QAM	1	12	21.84	21.91	21.81				
5	64QAM	1	24	21.88	21.87	21.89				
5	64QAM	12	0	20.70	20.93	20.78				
5	64QAM	12	7	20.68	20.87	20.88		22	3	
5	64QAM	12	13	20.80	20.78	20.79				
5	64QAM	25	0	20.78	20.87	20.77				
5	256QAM	100	0	18.78	18.89	18.89		19.5	2.5	
5	256QAM	1	12	18.73	18.89	18.74				
5	256QAM	1	24	18.74	18.75	18.86				
5	256QAM	12	0	18.71	18.90	18.79		20	5	
5	256QAM	12	7	18.82	18.78	18.81				
5	256QAM	12	13	18.88	18.84	18.81				
5	256QAM	25	25	18.78	18.83	18.83		19.5	2.5	
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.84	23.90	23.85				
3	QPSK	1	8	23.77	23.83	23.89		25	0	
3	QPSK	1	14	23.81	23.84	23.85				
3	QPSK	8	0	22.66	22.76	22.71				
3	QPSK	8	4	22.73	22.70	22.81				
3	QPSK	8	7	22.65	22.78	22.73		24	1	
3	QPSK	15	0	22.69	22.84	22.87				
3	16QAM	1	0	22.95	23.04	22.91		24	1	
3	16QAM	1	8	22.85	22.96	22.90				
3	16QAM	1	16	22.87	22.98	22.88				
3	16QAM	8	0	21.83	21.93	21.73				
3	16QAM	8	4	21.79	21.83	21.78		23	2	
3	16QAM	8	8	21.75	21.86	21.77				
3	16QAM	15	0	21.84	21.91	21.72				
3	64QAM	1	0	21.84	21.90	21.80		23	2	
3	64QAM	1	8	21.87	21.95	21.89				
3	64QAM	1	14	21.82	21.98	21.84				
3	64QAM	8	0	20.86	20.96	20.77				



Band 38 Ant5 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.77	23.82	23.73	24.5	0		
20	QPSK	1	49	23.85	23.73	23.84				
20	QPSK	1	99	23.83	23.75	23.73	23.5	1		
20	QPSK	50	0	22.64	22.85	22.74				
20	QPSK	50	24	22.67	22.71	22.77	23.5	1		
20	QPSK	50	50	22.63	22.71	22.71				
20	QPSK	100	0	22.63	22.81	22.72	23.5	1		
20	16QAM	1	0	22.77	22.78	22.81				
20	16QAM	1	49	22.84	22.76	22.73	23.5	1		
20	16QAM	1	99	22.67	22.73	22.72				
20	16QAM	50	0	21.67	21.81	21.68	22.5	2		
20	16QAM	50	24	21.62	21.68	21.72				
20	16QAM	50	50	21.61	21.76	21.74	22.5	2		
20	16QAM	100	0	21.60	21.70	21.67				
20	64QAM	1	0	21.78	21.79	21.76	22.5	2		
20	64QAM	1	49	21.64	21.73	21.70				
20	64QAM	1	99	21.59	21.69	21.63	21.5	3		
20	64QAM	50	0	20.58	20.79	20.70				
20	64QAM	50	24	20.60	20.67	20.65	21.5	3		
20	64QAM	50	50	20.66	20.67	20.62				
20	64QAM	100	0	20.60	20.67	20.67	19.5	5		
20	256QAM	1	0	18.62	18.77	18.74				
20	256QAM	1	49	18.89	18.71	18.67	19.5	5		
20	256QAM	1	99	18.63	18.69	18.65				
20	256QAM	50	0	18.61	18.82	18.67	19.5	5		
20	256QAM	50	24	18.69	18.71	18.70				
20	256QAM	50	50	18.60	18.78	18.64	19.5	5		
20	256QAM	100	0	18.64	18.74	18.65				
Channel				37825	38000	38175				
Frequency (MHz)				25775	2592	2592.5				
15	QPSK	1	0	23.70	23.75	23.66	24.5	0		
15	QPSK	1	37	23.52	23.58	23.54				
15	QPSK	1	74	23.54	23.70	23.66	23.5	1		
15	QPSK	36	0	22.59	22.73	22.84				
15	QPSK	36	20	22.62	22.58	22.69	23.5	1		
15	QPSK	36	39	22.57	22.56	22.59				
15	QPSK	75	0	22.50	22.76	22.69	23.5	1		
15	16QAM	1	0	22.64	22.75	22.73				
15	16QAM	1	37	22.58	22.70	22.80	23.5	1		
15	16QAM	1	74	22.60	22.69	22.61				
15	16QAM	36	0	21.53	21.71	21.59	22.5	2		
15	16QAM	36	20	21.51	21.54	21.68				
15	16QAM	36	39	21.50	21.69	21.70	22.5	2		
15	16QAM	75	0	21.55	21.62	21.57				
15	16QAM	1	0	21.64	21.76	21.68	22.5	2		
15	16QAM	1	37	21.56	21.63	21.67				
15	16QAM	1	74	21.54	21.60	21.48	21.5	3		
15	16QAM	36	0	20.53	20.75	20.59				
15	16QAM	36	20	20.49	20.60	20.52	21.5	3		
15	16QAM	36	39	20.53	20.54	20.48				
15	16QAM	75	0	20.55	20.56	20.62	19.5	5		
15	256QAM	1	0	18.49	18.71	18.63				
15	256QAM	1	37	18.61	18.60	18.57	19.5	5		
15	256QAM	1	74	18.59	18.56	18.60				
15	256QAM	36	0	18.50	18.73	18.52	19.5	5		
15	256QAM	36	20	18.57	18.63	18.59				
15	256QAM	36	39	18.47	18.72	18.53	19.5	5		
15	256QAM	75	0	18.49	18.62	18.58				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.62	23.67	23.63	24.5	0		
10	QPSK	1	25	23.52	23.68	23.54				
10	QPSK	1	49	23.46	23.95	23.63	23.5	1		
10	QPSK	25	0	22.51	22.79	22.70				
10	QPSK	25	12	22.64	22.63	22.72	23.5	1		
10	QPSK	25	25	22.51	22.85	22.62				
10	QPSK	50	0	22.49	22.73	22.59	23.5	1		
10	16QAM	1	0	22.62	22.73	22.76				
10	16QAM	1	25	22.51	22.71	22.59	23.5	1		
10	16QAM	1	49	22.52	22.60	22.63				
10	16QAM	25	0	21.58	21.67	21.55	22.5	2		
10	16QAM	25	12	21.48	21.59	21.57				
10	16QAM	25	25	21.53	21.65	21.63	22.5	2		
10	16QAM	50	0	21.55	21.60	21.56				
10	64QAM	1	0	21.74	21.69	21.66	22.5	2		
10	64QAM	1	25	21.53	21.64	21.59				
10	64QAM	1	49	21.47	21.56	21.59	21.5	3		
10	64QAM	25	0	20.48	20.67	20.62				
10	64QAM	25	12	20.56	20.59	20.58	21.5	3		
10	64QAM	25	25	20.61	20.58	20.51				
10	64QAM	50	0	20.49	20.59	20.56	19.5	5		
10	256QAM	1	0	18.53	18.68	18.69				
10	256QAM	1	25	18.61	18.57	18.62	19.5	5		
10	256QAM	1	49	18.53	18.58	18.55				
10	256QAM	25	0	18.47	18.75	18.59	19.5	5		
10	256QAM	25	12	18.63	18.65	18.61				
10	256QAM	25	25	18.47	18.64	18.59	19.5	5		
10	256QAM	50	0	18.58	18.69	18.59				
Channel				37775	38000	38225				
Frequency (MHz)				25725	2595	2617.5				
5	QPSK	1	0	23.66	23.69	23.61	24.5	0		
5	QPSK	1	12	23.60	23.66	23.56				
5	QPSK	1	24	23.56	23.62	23.70	23.5	1		
5	QPSK	12	0	22.56	22.71	22.66				
5	QPSK	12	7	22.54	22.65	22.71	23.5	1		
5	QPSK	12	13	22.52	22.62	22.59				
5	QPSK	25	0	22.57	22.69	22.60	23.5	1		
5	16QAM	1	0	22.65	22.74	22.72				
5	16QAM	1	12	22.57	22.65	22.62	23.5	1		
5	16QAM	1	24	22.59	22.66	22.59				
5	16QAM	12	0	21.53	21.74	21.55	22.5	2		
5	16QAM	12	7	21.47	21.62	21.66				
5	16QAM	12	13	21.57	21.70	21.66	22.5	2		
5	16QAM	25	0	21.48	21.61	21.59				
5	64QAM	1	0	21.68	21.75	21.61	22.5	2		
5	64QAM	1	12	21.50	21.59	21.63				
5	64QAM	1	24	21.52	21.57	21.49	21.5	3		
5	64QAM	12	0	20.54	20.72	20.59				
5	64QAM	12	7	20.53	20.53	20.58	21.5	3		
5	64QAM	12	13	20.61	20.55	20.56				
5	64QAM	25	0	20.54	20.54	20.63	19.5	5		
5	256QAM	1	0	18.52	18.66	18.66				
5	256QAM	1	12	18.55	18.61	18.53	19.5	5		
5	256QAM	1	24	18.49	18.54	18.61				
5	256QAM	12	0	18.47	18.72	18.57	19.5	5		
5	256QAM	12	7	18.57	18.58	18.56				
5	256QAM	12	13	18.54	18.65	18.58	19.5	5		
5	256QAM	25	0	18.58	18.64	18.55				

Band 41 Ant5 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.65	23.73	23.89	23.85	23.83	24.5	0
20	QPSK	1	49	23.61	23.70	23.84	23.72	23.76		
20	QPSK	1	99	23.60	23.73	23.82	23.76	23.74	23.5	1
20	QPSK	50	0	22.63	22.65	22.83	22.88	22.76		
20	QPSK	50	24	22.50	22.63	22.73	22.74	22.62	23.5	1
20	QPSK	50	50	22.48	22.66	22.69	22.66	22.65		
20	QPSK	100	0	22.54	22.62	22.79	22.66	22.74	23.5	1
20	16QAM	1	0	22.61	22.77	22.86	22.78	22.82		
20	16QAM	1	49	22.66						



Band 42 FCC Part27Q Ant9 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.05	21.16	21.08	22.2	0	
20	QPSK	1	49	20.97	21.11	21.04			
20	QPSK	1	99	21.00	21.08	20.95			
20	QPSK	50	0	21.05	21.12	21.00	22.2	0	
20	QPSK	50	24	20.96	21.02	20.91			
20	QPSK	50	50	20.85	21.06	20.92			
20	QPSK	100	0	21.01	21.08	20.98	22.2	0	
20	16QAM	1	0	21.00	21.11	21.06			
20	16QAM	1	49	20.93	21.02	20.99			
20	16QAM	1	99	20.97	21.08	20.96	22.2	0	
20	16QAM	50	0	21.00	21.13	21.03			
20	16QAM	50	24	21.01	21.05	20.96			
20	16QAM	50	50	21.05	21.09	21.03	22.2	0	
20	16QAM	100	0	21.05	21.15	21.06			
20	64QAM	1	0	21.04	21.08	21.02			
20	64QAM	1	49	21.00	21.13	21.04	22.2	0	
20	64QAM	1	99	20.96	21.05	20.92			
20	64QAM	50	0	21.06	21.11	21.02			
20	64QAM	50	24	21.00	21.15	21.03	22.2	0	
20	64QAM	50	50	20.96	21.02	20.94			
20	64QAM	100	0	21.04	21.13	21.07			
20	256QAM	1	0	19.22	19.45	19.29	20.7	1.5	
20	256QAM	1	49	19.21	19.44	19.29			
20	256QAM	1	99	19.32	19.34	19.34			
20	256QAM	50	0	19.31	19.49	19.31	20.7	1.5	
20	256QAM	50	24	19.28	19.37	19.30			
20	256QAM	50	50	19.22	19.35	19.25			
20	256QAM	100	0	19.25	19.35	19.34			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.93	21.05	20.97	22.2	0	
15	QPSK	1	37	20.92	21.03	20.90			
15	QPSK	1	74	20.94	21.03	20.82			
15	QPSK	36	0	20.96	21.07	20.95	22.2	0	
15	QPSK	36	20	20.88	20.88	20.87			
15	QPSK	36	39	20.83	20.98	20.82			
15	QPSK	75	0	20.88	20.96	20.84	22.2	0	
15	16QAM	1	0	20.86	21.03	20.99			
15	16QAM	1	37	20.85	20.91	20.80			
15	16QAM	1	74	20.84	21.04	20.84	22.2	0	
15	16QAM	36	0	20.91	21.02	20.94			
15	16QAM	36	20	20.89	20.98	20.88			
15	16QAM	36	39	21.00	21.05	20.90	22.2	0	
15	16QAM	75	0	20.88	21.06	20.97			
15	64QAM	1	0	20.96	21.02	20.96			
15	64QAM	1	37	20.89	21.00	20.94	22.2	0	
15	64QAM	1	74	20.86	20.91	20.80			
15	64QAM	36	0	20.92	21.06	20.87			
15	64QAM	36	20	20.84	21.01	20.94	22.2	0	
15	64QAM	36	39	20.82	20.93	20.85			
15	64QAM	75	0	20.92	21.09	20.95			
15	256QAM	1	0	19.08	19.42	19.15	20.7	1.5	
15	256QAM	1	37	19.13	19.31	19.19			
15	256QAM	1	74	19.18	19.21	19.24			
15	256QAM	36	0	19.19	19.34	19.17	20.7	1.5	
15	256QAM	36	20	19.13	19.32	19.19			
15	256QAM	36	39	19.09	19.31	19.17			
15	256QAM	75	0	19.13	19.28	19.29			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.88	21.06	21.04	22.2	0	
10	QPSK	1	25	20.92	21.05	21.01			
10	QPSK	1	49	20.96	21.03	20.97			
10	QPSK	25	0	20.98	20.98	20.94	22.2	0	
10	QPSK	25	12	20.83	20.92	20.82			
10	QPSK	25	25	20.90	20.94	20.80			
10	QPSK	50	0	20.91	20.99	20.84	22.2	0	
10	16QAM	1	0	20.87	20.97	20.94			
10	16QAM	1	25	20.91	20.96	20.85			
10	16QAM	1	49	20.84	21.02	20.87	22.2	0	
10	16QAM	25	0	20.90	20.98	20.90			
10	16QAM	25	12	20.83	21.01	20.90			
10	16QAM	25	25	20.88	21.05	20.90	22.2	0	
10	16QAM	50	0	20.93	21.12	21.02			
10	64QAM	1	0	20.98	20.97	20.88			
10	64QAM	1	25	20.86	21.05	20.96	22.2	0	
10	64QAM	1	49	20.91	21.02	20.87			
10	64QAM	25	0	21.00	20.96	20.94			
10	64QAM	25	12	20.89	21.11	20.89	22.2	0	
10	64QAM	25	25	20.83	20.89	20.85			
10	64QAM	50	0	20.93	21.07	21.04			
10	256QAM	1	0	19.08	19.42	19.22	20.7	1.5	
10	256QAM	1	25	19.07	19.40	19.16			
10	256QAM	1	49	19.19	19.24	19.19			
10	256QAM	25	0	19.26	19.37	19.17	20.7	1.5	
10	256QAM	25	12	19.23	19.30	19.20			
10	256QAM	25	25	19.08	19.28	19.12			
10	256QAM	50	0	19.10	19.23	19.30			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.95	21.07	20.94	22.2	0	
5	QPSK	1	12	20.86	20.97	20.97			
5	QPSK	1	24	20.97	21.03	20.86			
5	QPSK	12	0	20.88	21.07	20.88	22.2	0	
5	QPSK	12	7	20.89	20.94	20.85			
5	QPSK	12	13	20.89	20.91	20.85			
5	QPSK	25	0	20.93	20.90	20.92	22.2	0	
5	16QAM	1	0	20.91	21.00	20.93			
5	16QAM	1	12	20.79	20.88	20.79			
5	16QAM	1	24	20.90	21.03	20.87	22.2	0	
5	16QAM	12	0	20.96	21.09	21.00			
5	16QAM	12	7	20.90	20.97	20.85			
5	16QAM	12	13	20.96	20.96	20.92	22.2	0	
5	16QAM	25	0	20.95	21.05	20.91			
5	64QAM	1	0	20.88	20.99	20.88			
5	64QAM	1	12	20.94	21.00	20.97	22.2	0	
5	64QAM	1	24	20.89	20.91	20.88			
5	64QAM	12	0	21.02	20.96	20.97			
5	64QAM	12	7	20.93	21.04	20.93	22.2	0	
5	64QAM	12	13	20.91	20.92	20.79			
5	64QAM	25	0	20.88	21.03	20.96			
5	256QAM	1	0	19.19	19.31	19.20	20.7	1.5	
5	256QAM	1	12	19.07	19.35	19.18			
5	256QAM	1	24	19.21	19.22	19.28			
5	256QAM	12	0	19.19	19.37	19.27	20.7	1.5	
5	256QAM	12	7	19.16	19.34	19.25			
5	256QAM	12	13	19.15	19.25	19.20			
5	256QAM	25	0	19.13	19.20	19.29			





Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.95	19.08	18.90	19.7	0	
20	QPSK	1	49	18.90	19.04	18.94			
20	QPSK	1	99	18.82	18.95	18.81			
20	QPSK	50	0	18.92	19.05	18.85			
20	QPSK	50	24	18.97	19.01	18.97			
20	QPSK	50	50	18.85	18.98	18.90			
20	QPSK	100	0	18.97	19.00	18.89			
20	16QAM	1	0	18.84	18.89	18.75	19.7	0	
20	16QAM	1	49	18.85	18.97	18.94			
20	16QAM	1	99	18.87	18.93	18.87			
20	16QAM	50	0	18.88	19.02	18.95			
20	16QAM	50	24	18.86	18.99	18.94			
20	16QAM	50	50	18.83	18.95	18.87			
20	16QAM	100	0	18.91	19.00	18.93			
20	64QAM	1	0	18.93	18.97	18.88	19.7	0	
20	64QAM	1	49	18.97	19.03	18.97			
20	64QAM	1	99	18.79	18.90	18.75			
20	64QAM	50	0	18.84	18.95	18.82			
20	64QAM	50	24	18.86	18.99	18.92			
20	64QAM	50	50	18.98	19.01	18.97			
20	64QAM	100	0	18.98	19.02	18.93			
20	256QAM	1	0	18.83	18.93	18.82	19.7	0	
20	256QAM	1	49	18.88	18.98	18.89			
20	256QAM	1	99	18.81	18.89	18.86			
20	256QAM	50	0	18.97	19.01	18.94			
20	256QAM	50	24	18.85	18.90	18.79			
20	256QAM	50	50	18.87	18.94	18.79			
20	256QAM	100	0	18.84	18.97	18.90			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.88	19.02	18.75	19.7	0	
15	QPSK	1	37	18.84	19.01	18.81			
15	QPSK	1	74	18.68	18.83	18.68			
15	QPSK	36	0	18.87	18.94	18.73			
15	QPSK	36	20	18.89	18.87	18.93			
15	QPSK	36	39	18.75	18.85	18.84			
15	QPSK	75	0	18.92	18.87	18.83			
15	16QAM	1	0	18.77	18.84	18.71	19.7	0	
15	16QAM	1	37	18.77	18.86	18.88			
15	16QAM	1	74	18.81	18.84	18.80			
15	16QAM	36	0	18.85	18.94	18.86			
15	16QAM	36	20	18.78	18.85	18.83			
15	16QAM	36	39	18.79	18.88	18.75			
15	16QAM	75	0	18.80	18.88	18.80			
15	64QAM	1	0	18.88	18.83	18.82	19.7	0	
15	64QAM	1	37	18.84	18.92	18.90			
15	64QAM	1	74	18.69	18.85	18.63			
15	64QAM	36	0	18.76	18.92	18.75			
15	64QAM	36	20	18.77	18.92	18.79			
15	64QAM	36	39	18.89	18.92	18.84			
15	64QAM	75	0	18.93	18.93	18.86			
15	256QAM	1	0	18.72	18.84	18.74	19.7	0	
15	256QAM	1	37	18.92	18.89	18.86			
15	256QAM	1	74	18.73	18.82	18.74			
15	256QAM	36	0	18.88	18.93	18.91			
15	256QAM	36	20	18.70	18.84	18.66			
15	256QAM	36	39	18.75	18.80	18.68			
15	256QAM	75	0	18.90	18.90	18.81			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.91	18.94	18.78	19.7	0	
10	QPSK	1	25	18.85	18.97	18.91			
10	QPSK	1	49	18.69	18.87	18.67			
10	QPSK	25	0	18.89	19.02	18.75			
10	QPSK	25	12	18.89	18.93	18.84			
10	QPSK	25	25	18.75	18.91	18.76			
10	QPSK	50	0	18.93	18.95	18.77			
10	16QAM	1	0	18.75	18.80	18.69	19.7	0	
10	16QAM	1	25	18.72	18.87	18.83			
10	16QAM	1	49	18.82	18.78	18.82			
10	16QAM	25	0	18.88	18.92	18.92			
10	16QAM	25	12	18.72	18.86	18.87			
10	16QAM	25	25	18.78	18.85	18.82			
10	16QAM	50	0	18.82	18.93	18.90			
10	64QAM	1	0	18.91	18.93	18.76	19.7	0	
10	64QAM	1	25	18.93	18.88	18.90			
10	64QAM	1	49	18.70	18.85	18.69			
10	64QAM	25	0	18.72	18.86	18.68			
10	64QAM	25	12	18.72	18.95	18.84			
10	64QAM	25	25	18.86	18.93	18.91			
10	64QAM	50	0	18.84	18.92	18.88			
10	256QAM	1	0	18.69	18.85	18.75	19.7	0	
10	256QAM	1	25	18.83	18.90	18.83			
10	256QAM	1	49	18.71	18.77	18.81			
10	256QAM	25	0	18.82	18.96	18.86			
10	256QAM	25	12	18.92	18.77	18.69			
10	256QAM	25	25	18.77	18.83	18.67			
10	256QAM	50	0	18.69	18.91	18.82			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.85	18.98	18.77	19.7	0	
5	QPSK	1	12	18.79	18.91	18.84			
5	QPSK	1	24	18.67	18.86	18.72			
5	QPSK	12	0	18.86	18.91	18.71			
5	QPSK	12	7	18.90	18.90	18.82			
5	QPSK	12	13	18.73	18.85	18.84			
5	QPSK	25	0	18.85	18.86	18.66			
5	16QAM	1	0	18.79	18.83	18.64	19.7	0	
5	16QAM	1	12	18.81	18.90	18.80			
5	16QAM	1	24	18.79	18.85	18.80			
5	16QAM	12	0	18.86	18.97	18.85			
5	16QAM	12	7	18.91	18.86	18.90			
5	16QAM	12	13	18.73	18.87	18.82			
5	16QAM	25	0	18.88	18.88	18.69			
5	64QAM	1	0	18.87	18.82	18.78	19.7	0	
5	64QAM	1	12	18.91	18.99	18.89			
5	64QAM	1	24	18.65	18.85	18.60			
5	64QAM	12	0	18.70	18.90	18.68			
5	64QAM	12	7	18.73	18.93	18.85			
5	64QAM	12	13	18.90	18.89	18.87			
5	64QAM	25	0	18.92	18.93	18.85			
5	256QAM	1	0	18.69	18.81	18.68	19.7	0	
5	256QAM	1	12	18.77	18.88	18.81			
5	256QAM	1	24	18.68	18.80	18.75			
5	256QAM	12	0	18.90	18.92	18.81			
5	256QAM	12	7	18.76	18.87	18.73			
5	256QAM	12	13	18.79	18.86	18.69			
5	256QAM	25	0	18.71	18.84	18.76			



Band 42 FCC Part27Q Ant11 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.90	22.07	21.97	22.7	0	
20	QPSK	1	49	21.90	21.99	21.86			
20	QPSK	1	99	21.90	21.96	21.89			
20	QPSK	50	0	21.88	22.05	21.92	22.7	0	
20	QPSK	50	24	21.91	22.00	21.87			
20	QPSK	50	50	21.86	21.97	21.87			
20	QPSK	100	0	21.83	22.01	21.93	22.7	0	
20	16QAM	1	0	21.76	21.90	21.75			
20	16QAM	1	49	21.83	21.97	21.92			
20	16QAM	1	99	21.74	21.88	21.73	22.7	0	
20	16QAM	50	0	21.82	21.96	21.84			
20	16QAM	50	24	21.93	22.03	21.90			
20	16QAM	50	50	21.88	21.95	21.86	22.7	0	
20	16QAM	100	0	21.99	22.21	21.92			
20	64QAM	1	0	21.92	22.02	21.89			
20	64QAM	1	49	21.85	21.94	21.89	22.7	0	
20	64QAM	1	99	21.86	21.91	21.78			
20	64QAM	50	0	21.86	21.86	21.67			
20	64QAM	50	24	21.90	21.80	21.75	22.7	0	
20	64QAM	50	50	21.73	21.83	21.65			
20	64QAM	100	0	21.67	21.77	21.73			
20	256QAM	1	0	19.62	19.81	19.73	20.7	2	
20	256QAM	1	49	19.63	19.69	19.61			
20	256QAM	1	99	19.60	19.74	19.61			
20	256QAM	50	0	19.61	19.76	19.69	20.7	2	
20	256QAM	50	24	19.56	19.66	19.67			
20	256QAM	50	50	19.64	19.76	19.75			
20	256QAM	100	0	19.63	19.77	19.73			
Channel				42165	42590	43015			
Frequency (MHz)				3451.5	3500	3548.5			
15	QPSK	1	0	21.77	22.02	21.91	22.7	0	
15	QPSK	1	37	21.78	21.86	21.71			
15	QPSK	1	74	21.78	21.85	21.82			
15	QPSK	36	0	21.82	22.00	21.82	22.7	0	
15	QPSK	36	20	21.83	21.95	21.76			
15	QPSK	36	39	21.73	21.91	21.75			
15	QPSK	75	0	21.73	21.96	21.81	22.7	0	
15	16QAM	1	0	21.65	21.86	21.71			
15	16QAM	1	37	21.71	21.88	21.80			
15	16QAM	1	74	21.65	21.83	21.69	22.7	0	
15	16QAM	36	0	21.67	21.82	21.79			
15	16QAM	36	20	21.84	21.93	21.75			
15	16QAM	36	39	21.80	21.89	21.81	22.7	0	
15	16QAM	75	0	21.78	21.94	21.78			
15	64QAM	1	0	21.79	21.92	21.79			
15	64QAM	1	37	21.73	21.83	21.79	22.7	0	
15	64QAM	1	74	21.61	21.84	21.75			
15	64QAM	36	0	21.80	21.81	21.55			
15	64QAM	36	20	21.46	21.74	21.64	22.7	0	
15	64QAM	36	39	21.64	21.79	21.57			
15	64QAM	75	0	21.53	21.65	21.64			
15	256QAM	1	0	19.46	19.70	19.69	20.7	2	
15	256QAM	1	37	19.60	19.62	19.51			
15	256QAM	1	74	19.49	19.63	19.50			
15	256QAM	36	0	19.46	19.74	19.58	20.7	2	
15	256QAM	36	20	19.49	19.55	19.63			
15	256QAM	36	39	19.50	19.67	19.69			
15	256QAM	75	0	19.50	19.69	19.68			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.81	21.99	21.92	22.7	0	
10	QPSK	1	25	21.84	21.88	21.72			
10	QPSK	1	49	21.81	21.85	21.66			
10	QPSK	25	0	21.74	21.98	21.85	22.7	0	
10	QPSK	25	12	21.76	21.97	21.81			
10	QPSK	25	25	21.78	21.87	21.76			
10	QPSK	50	0	21.77	21.90	21.81	22.7	0	
10	16QAM	1	0	21.68	21.81	21.66			
10	16QAM	1	25	21.72	21.87	21.80			
10	16QAM	1	49	21.69	21.85	21.65	22.7	0	
10	16QAM	25	0	21.68	21.82	21.79			
10	16QAM	25	12	21.87	21.92	21.83			
10	16QAM	25	25	21.80	21.90	21.75	22.7	0	
10	16QAM	50	0	21.85	21.86	21.78			
10	64QAM	1	0	21.83	21.95	21.85			
10	64QAM	1	25	21.78	21.82	21.78	22.7	0	
10	64QAM	1	49	21.81	21.87	21.72			
10	64QAM	25	0	21.55	21.81	21.62			
10	64QAM	25	12	21.47	21.89	21.60	22.7	0	
10	64QAM	25	25	21.69	21.76	21.62			
10	64QAM	50	0	21.81	21.83	21.66			
10	256QAM	1	0	19.47	19.72	19.66	20.7	2	
10	256QAM	1	25	19.57	19.63	19.53			
10	256QAM	1	49	19.53	19.68	19.48			
10	256QAM	25	0	19.54	19.70	19.60	20.7	2	
10	256QAM	25	12	19.42	19.51	19.54			
10	256QAM	25	25	19.53	19.63	19.60			
10	256QAM	50	0	19.54	19.68	19.69			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.79	22.01	21.83	22.7	0	
5	QPSK	1	12	21.78	21.86	21.78			
5	QPSK	1	24	21.81	21.88	21.80			
5	QPSK	12	0	21.81	21.95	21.81	22.7	0	
5	QPSK	12	7	21.85	21.90	21.72			
5	QPSK	12	13	21.73	21.90	21.83			
5	QPSK	25	0	21.71	21.88	21.67	22.7	0	
5	16QAM	1	0	21.65	21.76	21.61			
5	16QAM	1	12	21.74	21.86	21.79			
5	16QAM	1	24	21.62	21.76	21.67	22.7	0	
5	16QAM	12	0	21.68	21.86	21.78			
5	16QAM	12	7	21.89	21.99	21.84			
5	16QAM	12	13	21.82	21.89	21.74	22.7	0	
5	16QAM	25	0	21.85	21.92	21.87			
5	64QAM	1	0	21.77	21.97	21.80			
5	64QAM	1	12	21.73	21.80	21.76	22.7	0	
5	64QAM	1	24	21.80	21.87	21.85			
5	64QAM	12	0	21.60	21.76	21.58			
5	64QAM	12	7	21.51	21.74	21.64	22.7	0	
5	64QAM	12	13	21.80	21.70	21.52			
5	64QAM	25	0	21.63	21.71	21.62			
5	256QAM	1	0	19.56	19.68	19.67	20.7	2	
5	256QAM	1	12	19.55	19.64	19.49			
5	256QAM	1	24	19.55	19.67	19.56			
5	256QAM	12	0	19.51	19.65	19.57	20.7	2	
5	256QAM	12	7	19.41	19.55	19.53			
5	256QAM	12	13	19.57	19.72	19.65			
5	256QAM	25	0	19.52	19.74	19.61			



### Reduced Power Mode for DSI\_3\_ENDC

Band 7 Ant5 DSI3 for ENDC										
Band	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					20850	21100	21550			
Frequency (MHz)					2510	2535	2550			
20	QPSK	1	0		18.34	18.49	18.39	19	0	
20	QPSK	1	49		18.26	18.34	18.34			
20	QPSK	1	99		18.22	18.34	18.21			
20	QPSK	50	0		18.40	18.41	18.38	19	0	
20	QPSK	50	24		18.22	18.40	18.30			
20	QPSK	50	50		18.18	18.30	18.19			
20	QPSK	100	0		18.36	18.45	18.34			
20	16QAM	1	0		18.17	18.32	18.12	19	0	
20	16QAM	1	49		18.35	18.47	18.31			
20	16QAM	1	99		18.17	18.37	18.34			
20	16QAM	50	0		18.19	18.36	18.19	19	0	
20	16QAM	50	24		18.32	18.46	18.34			
20	16QAM	50	50		18.35	18.38	18.31			
20	16QAM	100	0		18.22	18.35	18.19			
20	64QAM	1	0		18.22	18.41	18.28	19	0	
20	64QAM	1	49		18.16	18.21	18.23			
20	64QAM	1	99		18.17	18.19	18.14			
20	64QAM	50	0		18.26	18.28	18.26	19	0	
20	64QAM	50	24		18.09	18.31	18.19			
20	64QAM	50	50		18.04	18.22	18.09			
20	64QAM	100	0		18.30	18.31	18.27			
20	256QAM	1	0		18.08	18.21	17.99	19	0	
20	256QAM	1	49		18.21	18.34	18.25			
20	256QAM	1	99		19.10	19.28	19.25			
20	256QAM	50	0		18.12	18.29	18.07	19	0	
20	256QAM	50	24		18.21	18.37	18.29			
20	256QAM	50	50		18.30	18.26	18.19			
20	256QAM	100	0		18.12	18.27	18.11			
Channel					20825	21100	21375			
Frequency (MHz)					2507.5	2535	2557.5			
15	QPSK	1	0		18.22	18.39	18.31	19	0	
15	QPSK	1	37		18.20	18.22	18.27			
15	QPSK	1	74		18.16	18.23	18.11			
15	QPSK	36	0		18.30	18.31	18.27	19	0	
15	QPSK	36	20		18.08	18.33	18.18			
15	QPSK	36	39		18.04	18.22	18.10			
15	QPSK	75	0		18.29	18.33	18.22	19	0	
15	16QAM	1	0		18.12	18.26	18.03	19	0	
15	16QAM	1	37		18.27	18.39	18.21			
15	16QAM	1	74		18.07	18.25	18.27			
15	16QAM	36	0		18.12	18.30	18.13	19	0	
15	16QAM	36	20		18.19	18.37	18.24			
15	16QAM	36	39		18.24	18.26	18.17			
15	16QAM	75	0		18.10	18.21	18.08	19	0	
15	64QAM	1	0		18.16	18.31	18.17	19	0	
15	64QAM	1	37		18.06	18.07	18.08			
15	64QAM	1	74		18.06	18.13	18.01			
15	64QAM	36	0		18.17	18.14	18.21	19	0	
15	64QAM	36	20		17.96	18.17	18.06			
15	64QAM	36	39		17.92	18.10	17.96			
15	64QAM	75	0		18.16	18.23	18.14	19	0	
15	256QAM	1	0		18.01	18.12	17.90	19	0	
15	256QAM	1	37		18.13	18.22	18.15			
15	256QAM	1	74		17.97	18.23	18.13			
15	256QAM	36	0		18.00	18.15	17.99	19	0	
15	256QAM	36	20		18.10	18.28	18.17			
15	256QAM	36	39		18.19	18.12	18.04			
15	256QAM	75	0		18.02	18.13	18.01	19	0	
Channel					20800	21100	21400			
Frequency (MHz)					2505	2535	2555			
10	QPSK	1	0		18.27	18.39	18.32	19	0	
10	QPSK	1	25		18.19	18.19	18.26			
10	QPSK	1	49		18.13	18.19	18.12	19	0	
10	QPSK	25	0		18.28	18.30	18.27			
10	QPSK	25	12		18.13	18.33	18.17			
10	QPSK	25	25		18.06	18.23	18.11			
10	QPSK	50	0		18.30	18.36	18.27	19	0	
10	16QAM	1	0		18.08	18.26	18.05	19	0	
10	16QAM	1	25		18.23	18.36	18.23			
10	16QAM	1	49		18.12	18.25	18.20			
10	16QAM	25	0		18.08	18.23	18.13	19	0	
10	16QAM	25	12		18.24	18.32	18.20			
10	16QAM	25	25		18.21	18.32	18.18			
10	64QAM	1	0		18.14	18.31	18.15	19	0	
10	64QAM	1	25		18.06	18.06	18.16			
10	64QAM	1	49		18.08	18.13	18.00	19	0	
10	64QAM	25	0		18.23	18.15	18.21			
10	64QAM	25	12		17.97	18.22	18.06			
10	64QAM	25	25		17.91	18.17	18.04			
10	256QAM	1	0		18.21	18.26	18.15	19	0	
10	256QAM	1	0		18.01	18.09	17.85			
10	256QAM	1	25		18.13	18.20	18.15	19	0	
10	256QAM	1	49		18.01	18.19	18.19			
10	256QAM	25	0		17.88	18.18	18.01	19	0	
10	256QAM	25	12		18.15	18.25	18.22			
10	256QAM	25	25		18.17	18.18	18.12			
10	256QAM	50	0		17.98	18.13	18.05			
Channel					20775	21100	21425			
Frequency (MHz)					2502.5	2535	2557.5			
5	QPSK	1	0		18.26	18.44	18.26	19	0	
5	QPSK	1	12		18.20	18.25	18.27			
5	QPSK	1	24		18.08	18.24	18.07			
5	QPSK	12	0		18.35	18.36	18.25	19	0	
5	QPSK	12	7		18.17	18.26	18.24			
5	QPSK	12	13		18.04	18.23	18.09			
5	QPSK	25	0		18.26	18.35	18.20	19	0	
5	16QAM	1	0		18.10	18.24	18.07	19	0	
5	16QAM	1	12		18.21	18.34	18.17			
5	16QAM	1	24		18.04	18.26	18.24			
5	16QAM	12	0		18.04	18.27	18.13	19	0	
5	16QAM	12	7		18.25	18.39	18.24			
5	16QAM	12	13		18.23	18.29	18.19			
5	16QAM	25	0		18.15	18.28	18.14	19	0	
5	64QAM	1	0		18.17	18.29	18.21			
5	64QAM	1	12		18.06	18.14	18.15	19	0	
5	64QAM	1	24		18.06	18.05	18.05			
5	64QAM	12	0		18.19	18.18	18.13	19	0	
5	64QAM	12	7		17.98	18.25	18.09			
5	64QAM	12	13		17.95	18.16	18.02	19	0	
5	64QAM	25	0		18.17	18.18	18.14			
5	256QAM	1	0		17.98	18.08	17.93	19	0	
5	256QAM	1	12		18.14	18.24	18.10			
5	256QAM	1	24		17.98	18.14	18.13			
5	256QAM	12	0		18.02	18.23	17.98	19	0	
5	256QAM	12	7		18.09	18.24	18.20			
5	256QAM	12	13		18.18	18.13	18.11			
5	256QAM	25	0		18.07	18.20	17.97			



Band 38 Ant5 DSI3 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	39000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.88	20.95	20.84	21.5	0	
20	QPSK	1	49	20.80	20.84	20.73			
20	QPSK	1	99	20.89	20.82	20.85			
20	QPSK	50	0	20.76	20.83	20.71	21.5	0	
20	QPSK	50	24	20.69	20.73	20.61			
20	QPSK	50	50	20.56	20.67	20.77			
20	QPSK	100	0	20.80	20.67	20.76	21.5	0	
20	16QAM	1	0	20.82	20.98	20.71			
20	16QAM	1	49	20.73	20.75	20.67			
20	16QAM	1	99	20.90	20.70	20.76	21.5	0	
20	16QAM	50	0	20.61	20.72	20.58			
20	16QAM	50	24	20.55	20.59	20.47			
20	16QAM	50	50	20.49	20.60	20.71	21.5	0	
20	16QAM	100	0	20.76	20.81	20.65			
20	64QAM	1	0	20.81	20.88	20.75			
20	64QAM	1	49	20.69	20.70	20.58	21.5	0	
20	64QAM	1	99	20.64	20.72	20.76			
20	64QAM	50	0	20.62	20.71	20.58			
20	64QAM	50	24	20.54	20.61	20.51	21.5	0	
20	64QAM	50	50	20.43	20.59	20.71			
20	64QAM	100	0	20.71	20.82	20.64			
20	256QAM	1	0	18.62	18.77	18.74	19.5	2	
20	256QAM	1	49	18.69	18.71	18.67			
20	256QAM	1	99	18.63	18.69	18.65			
20	256QAM	50	0	18.61	18.82	18.67	19.5	2	
20	256QAM	50	24	18.69	18.71	18.70			
20	256QAM	50	50	18.60	18.78	18.64			
20	256QAM	100	0	18.64	18.74	18.65			
Channel				37825	39000	38175			
Frequency (MHz)				25775	2595	26125			
15	QPSK	1	0	20.79	20.84	20.72	21.5	0	
15	QPSK	1	37	20.70	20.70	20.65			
15	QPSK	1	74	20.67	20.68	20.73			
15	QPSK	36	0	20.62	20.71	20.59	21.5	0	
15	QPSK	36	20	20.60	20.59	20.50			
15	QPSK	36	39	20.49	20.58	20.66			
15	QPSK	75	0	20.75	20.80	20.67	21.5	0	
15	16QAM	1	0	20.72	20.74	20.67			
15	16QAM	1	37	20.61	20.65	20.56			
15	16QAM	1	74	20.53	20.57	20.68	21.5	0	
15	16QAM	36	0	20.51	20.58	20.44			
15	16QAM	36	20	20.49	20.46	20.34			
15	16QAM	36	39	20.42	20.49	20.63	21.5	0	
15	16QAM	75	0	20.60	20.66	20.54			
15	64QAM	1	0	20.73	20.75	20.68			
15	64QAM	1	37	20.61	20.63	20.45	21.5	0	
15	64QAM	1	74	20.63	20.62	20.62			
15	64QAM	36	0	20.50	20.57	20.46			
15	64QAM	36	20	20.45	20.47	20.41	21.5	0	
15	64QAM	36	39	20.34	20.51	20.56			
15	64QAM	75	0	20.63	20.72	20.67			
15	256QAM	1	0	18.46	18.71	18.63	19.5	2	
15	256QAM	1	37	18.61	18.60	18.67			
15	256QAM	1	74	18.59	18.58	18.60			
15	256QAM	36	0	18.50	18.73	18.62	19.5	2	
15	256QAM	36	20	18.67	18.63	18.59			
15	256QAM	36	39	18.47	18.72	18.53			
15	256QAM	75	0	18.49	18.62	18.58			
Channel				37900	39000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.73	20.80	20.74	21.5	0	
10	QPSK	1	25	20.69	20.74	20.66			
10	QPSK	1	49	20.67	20.69	20.75			
10	QPSK	25	0	20.66	20.71	20.63	21.5	0	
10	QPSK	25	12	20.56	20.60	20.54			
10	QPSK	25	25	20.48	20.58	20.70			
10	QPSK	50	0	20.73	20.73	20.70	21.5	0	
10	16QAM	1	0	20.76	20.77	20.63			
10	16QAM	1	25	20.65	20.63	20.54			
10	16QAM	1	49	20.46	20.58	20.62	21.5	0	
10	16QAM	25	0	20.52	20.64	20.43			
10	16QAM	25	12	20.50	20.46	20.36			
10	16QAM	25	25	20.43	20.53	20.58	21.5	0	
10	16QAM	50	0	20.64	20.73	20.53			
10	64QAM	1	0	20.73	20.79	20.63			
10	64QAM	1	25	20.63	20.61	20.51	21.5	0	
10	64QAM	1	49	20.59	20.57	20.69			
10	64QAM	25	0	20.50	20.62	20.50			
10	64QAM	25	12	20.44	20.48	20.44	21.5	0	
10	64QAM	25	25	20.34	20.48	20.57			
10	64QAM	50	0	20.86	20.72	20.52			
10	256QAM	1	0	18.53	18.68	18.69	19.5	2	
10	256QAM	1	25	18.61	18.57	18.62			
10	256QAM	1	49	18.53	18.58	18.55			
10	256QAM	25	0	18.47	18.75	18.59	19.5	2	
10	256QAM	25	12	18.63	18.65	18.61			
10	256QAM	25	25	18.47	18.64	18.59			
10	256QAM	50	0	18.58	18.69	18.59			
Channel				37775	39000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.75	20.85	20.71	21.5	0	
5	QPSK	1	12	20.71	20.73	20.61			
5	QPSK	1	24	20.55	20.74	20.76			
5	QPSK	12	0	20.64	20.73	20.58	21.5	0	
5	QPSK	12	7	20.61	20.65	20.51			
5	QPSK	12	13	20.45	20.57	20.72			
5	QPSK	25	0	20.73	20.78	20.67	21.5	0	
5	16QAM	1	0	20.75	20.83	20.62			
5	16QAM	1	12	20.61	20.64	20.56			
5	16QAM	1	24	20.52	20.55	20.70	21.5	0	
5	16QAM	12	0	20.56	20.66	20.48			
5	16QAM	12	7	20.46	20.46	20.42			
5	16QAM	12	13	20.37	20.49	20.56	21.5	0	
5	16QAM	25	0	20.64	20.71	20.55			
5	64QAM	1	0	20.70	20.78	20.65			
5	64QAM	1	12	20.60	20.60	20.48	21.5	0	
5	64QAM	1	24	20.57	20.62	20.67			
5	64QAM	12	0	20.55	20.63	20.52			
5	64QAM	12	7	20.48	20.52	20.37	21.5	0	
5	64QAM	12	13	20.31	20.48	20.65			
5	64QAM	25	0	20.59	20.76	20.52			
5	256QAM	1	0	18.52	18.66	18.66	19.5	2	
5	256QAM	1	12	18.55	18.61	18.53			
5	256QAM	1	24	18.49	18.54	18.61			
5	256QAM	12	0	18.47	18.72	18.57	19.5	2	
5	256QAM	12	7	18.57	18.58	18.59			
5	256QAM	12	13	18.54	18.65	18.58			
5	256QAM	25	0	18.58	18.64	18.55			



## Reduced Power Mode for DSI 4

GSM850 Ant0 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	33.50	23.41	23.52	23.47	24.50
Frequency (MHz)	854.2	856.4	858.6		854.2	856.4	858.6	
GSM 1 Tx slot	32.41	32.52	32.47					
GPRS 1 Tx slot	32.33	32.49	32.44					
GPRS 2 Tx slots	29.28	29.37	29.41					
GPRS 3 Tx slots	27.47	27.51	27.58					
GPRS 4 Tx slots	26.41	26.35	26.35					
EDGE 1 Tx slot	26.25	26.09	26.30					
EDGE 2 Tx slots	23.32	23.22	23.34					
EDGE 3 Tx slots	21.62	21.58	21.45					
EDGE 4 Tx slots	20.77	20.53	20.65					

WCDMA V Ant0 Default

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4162	4233	
TX Channel	4357	4407	4456	
Frequency (MHz)	832.4	832.4	842.6	
3GPP Rel 99 RMC 12.2kbps	24.78	24.86	24.75	25.50
3GPP Rel 99 RMC 12.2kbps	24.90	24.93	24.88	25.50
3GPP Rel 6 HSDPA Subtest-1	23.89	24.01	23.50	24.50
3GPP Rel 6 HSDPA Subtest-2	23.81	23.93	23.86	24.50
3GPP Rel 6 HSDPA Subtest-3	23.20	23.50	23.34	24.00
3GPP Rel 6 HSDPA Subtest-4	23.29	23.50	23.33	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	23.76	23.96	23.92	24.50
3GPP Rel 6 DC-HSDPA Subtest-2	23.81	23.92	23.76	24.50
3GPP Rel 6 DC-HSDPA Subtest-3	23.22	23.43	23.37	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	23.30	23.45	23.41	24.00
3GPP Rel 6 HSPA Subtest-1	23.76	23.88	23.90	24.50
3GPP Rel 6 HSPA Subtest-2	21.72	21.91	21.88	22.50
3GPP Rel 6 HSPA Subtest-3	22.73	23.01	22.83	23.80
3GPP Rel 6 HSPA Subtest-4	21.73	21.93	21.88	22.50
3GPP Rel 6 HSPA Subtest-5	23.76	23.88	23.88	24.50
3GPP Rel 7 HSPA+ (REQM) Subtest-1	21.20	21.34	21.25	22.00



Band 4 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.82	22.50	22.87				
20	QPSK	1	96	22.82	22.50	22.87	24	0		
20	QPSK	50	0	21.97	22.05	21.91				
20	QPSK	50	24	21.97	22.05	21.91	23	1		
20	QPSK	50	0	21.79	21.90	21.83				
20	QPSK	100	0	21.92	21.97	21.92				
20	QPSK	100	0	21.88	22.02	21.88				
20	HQAM	1	49	21.90	21.83	21.90	23	1		
20	HQAM	1	99	21.84	21.88	21.77				
20	HQAM	1	99	20.78	20.88	20.78				
20	HQAM	50	24	20.77	20.83	20.70	22	2		
20	HQAM	50	0	20.87	20.91	20.86				
20	HQAM	100	0	20.84	20.94	20.89				
20	HQAM	1	0	20.91	20.98	20.89				
20	HQAM	1	49	20.86	20.90	20.86	22	2		
20	HQAM	1	99	20.78	20.88	20.78				
20	HQAM	50	0	19.83	19.96	19.90				
20	HQAM	50	24	19.85	19.89	19.81	21	3		
20	HQAM	50	0	20.84	20.94	20.89				
20	HQAM	100	0	20.87	20.91	20.86				
20	ZSSBAM	1	49	17.85	17.88	17.84	19	5		
20	ZSSBAM	1	99	17.81	17.88	17.73				
20	ZSSBAM	50	24	19.71	19.85	19.78	19	5		
20	ZSSBAM	50	0	17.75	17.88	17.78				
20	ZSSBAM	50	50	17.81	17.90	17.82	19	5		
20	ZSSBAM	100	0	17.79	17.92	17.85				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.83	22.88	22.78				
15	QPSK	1	96	22.84	22.74	22.73	24	0		
15	QPSK	36	0	21.91	21.91	21.85				
15	QPSK	36	36	21.98	21.96	21.77	23	1		
15	QPSK	75	0	21.84	21.82	21.81				
15	QPSK	75	0	21.74	21.87	21.86				
15	HQAM	1	37	21.81	21.88	21.87	23	1		
15	HQAM	1	74	20.72	20.74	20.68				
15	HQAM	36	0	20.86	20.75	20.71	22	2		
15	HQAM	36	36	20.77	20.71	20.57				
15	HQAM	75	0	20.73	20.87	20.77				
15	HQAM	75	0	20.73	20.87	20.77				
15	HQAM	1	0	20.77	20.84	20.77	22	2		
15	HQAM	1	37	20.72	20.79	20.67				
15	HQAM	1	74	20.51	20.63	20.75				
15	HQAM	36	0	19.71	19.89	19.78				
15	HQAM	36	36	19.83	19.85	19.81	21	3		
15	HQAM	75	0	19.82	19.82	19.74				
15	ZSSBAM	1	37	17.71	17.78	17.72	19	5		
15	ZSSBAM	1	74	17.78	17.75	17.65				
15	ZSSBAM	36	0	17.73	17.86	17.78				
15	ZSSBAM	36	36	17.67	17.74	17.64	19	5		
15	ZSSBAM	75	0	17.75	17.75	17.70				
15	ZSSBAM	75	0	17.67	17.85	17.68				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.79	22.88	22.77				
10	QPSK	1	25	22.79	22.88	22.77	24	0		
10	QPSK	1	49	22.87	22.77	22.77				
10	QPSK	25	0	21.89	21.89	21.84				
10	QPSK	25	12	21.78	21.78	21.72	23	1		
10	QPSK	25	25	21.71	21.77	21.72				
10	HQAM	1	0	21.84	21.89	21.85				
10	HQAM	1	25	21.80	21.81	21.74	23	1		
10	HQAM	25	0	20.81	20.82	20.80				
10	HQAM	25	12	20.86	20.79	20.57	22	2		
10	HQAM	25	25	20.72	20.76	20.67				
10	HQAM	50	0	20.75	20.82	20.80				
10	HQAM	1	0	20.87	20.83	20.85	22	2		
10	HQAM	1	25	20.76	20.82	20.76				
10	HQAM	1	49	20.71	20.75	20.68				
10	HQAM	25	0	19.77	19.83	19.86				
10	HQAM	25	12	19.78	19.78	19.76	21	3		
10	HQAM	50	0	19.78	19.79	19.75				
10	HQAM	50	24	19.81	19.77	19.68				
10	ZSSBAM	1	25	17.78	17.75	17.74	19	5		
10	ZSSBAM	1	49	17.75	17.75	17.60				
10	ZSSBAM	12	0	17.74	17.84	17.78				
10	ZSSBAM	25	12	17.62	17.74	17.61	19	5		
10	ZSSBAM	25	25	17.72	17.83	17.68				
10	ZSSBAM	50	0	17.67	17.88	17.68				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.74	22.89	22.77				
5	QPSK	1	24	22.72	22.77	22.73	24	0		
5	QPSK	1	49	22.83	22.84	22.84				
5	QPSK	12	7	21.84	21.91	21.77	23	1		
5	HQAM	1	0	21.89	21.87	21.71				
5	HQAM	1	0	21.81	21.82	21.82	23	1		
5	HQAM	12	7	20.83	20.79	20.64	22	2		
5	HQAM	25	0	20.75	20.87	20.82				
5	HQAM	1	0	20.81	20.89	20.76	22	2		
5	HQAM	1	49	20.76	20.82	20.76				
5	HQAM	1	24	20.65	20.76	20.71				
5	HQAM	12	0	19.70	19.90	19.84				
5	HQAM	12	13	19.79	19.79	19.78	21	3		
5	HQAM	25	0	19.76	19.79	19.68				
5	HQAM	25	0	19.76	19.86	19.74				
5	HQAM	1	0	17.68	17.88	17.81	19	5		
5	ZSSBAM	1	12	17.63	17.79	17.69				
5	ZSSBAM	12	0	17.71	17.87	17.86				
5	ZSSBAM	12	7	17.67	17.74	17.72	19	5		
5	ZSSBAM	12	13	17.89	17.76	17.71				
5	ZSSBAM	25	0	17.68	17.82	17.68				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.73	22.87	22.75				
3	QPSK	1	8	22.80	22.85	22.72	24	0		
3	QPSK	1	14	22.87	22.85	22.74				
3	QPSK	8	0	21.83	21.83	21.80				
3	QPSK	8	4	21.83	21.82	21.78	23	1		
3	HQAM	1	0	21.77	21.88	21.81				
3	HQAM	1	8	21.80	21.87	21.87	23	1		
3	HQAM	1	14	21.72	21.83	21.79				
3	HQAM	8	0	20.88	20.70	20.71	22	2		
3	HQAM	8	4	20.79	20.85	20.71				
3	HQAM	16	0	20.78	20.86	20.79				
3	HQAM	1	0	20.79	20.92	20.81	22	2		
3	HQAM	1	20	20.74	20.79	20.81				
3	HQAM	1	14	20.62	20.79	20.76				
3	HQAM	8	0	19.88	19.84	19.79				
3	HQAM	8	7	19.87	19.74	19.76	21	3		
3	HQAM	16	0	19.71	19.87	19.87				
3	ZSSBAM	1	8	17.79	17.83	17.75	19	5		
3	ZSSBAM	1	14	17.77	17.77	17.64				
3	ZSSBAM	8	0	17.74	17.88	17.76				
3	ZSSBAM	8	4	17.70	17.84	17.72	19	5		
3	ZSSBAM	16	0	17.67	17.87	17.68				
3	ZSSBAM	16	0	17.65	17.83	17.65				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.86	22.91	22.73				
1.4	QPSK	1	3	22.76	22.92	22.77	24	0		
1.4	QPSK	1	0	22.85	22.92	22.87				
1.4	QPSK	1	20	22.87	22.89	22.83				
1.4	QPSK	3	1	22.76	22.86	22.74				
1.4	HQAM	1	0	22.86	22.92	22.89	23	1		
1.4	HQAM	1	20	21.79	21.87	21.68				
1.4	HQAM	1	0	21.77	21.96	21.79	23	1		
1.4	HQAM	1	0	21.71	21.76	21.67				
1.4	HQAM	3	0	21.67	21.82	21.74				
1.4	HQAM	3	1	21.75	21.86	21.77				
1.4	HQAM	8	0	20.78	20.88	20.81	22	2		
1.4	HQAM	8	0	20.72	20.86	20.79				
1.4	HQAM	1	0	20.87	20.83	20.71	22	2		
1.4	HQAM	1	20	20.81	20.85	20.86				
1.4	HQAM	1	0	17.69	17.81	17.79	21	3		
1.4	ZSSBAM	1	3	17.75	17.82	17.79				
1.4	ZSSBAM	3	0	17.66	17.82	17.68	19	5		
1.4	ZSSBAM	3	0	17.74	17.82	17.78				
1.4	ZSSBAM	3	1	17.88	17.79	17.69				
1.4	ZSSBAM	3	1	17.74	17.82	17.78				
1.4	ZSSBAM	8	0	17.68	17.85	17.68	19	5		

Band 5 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Power Hgt./Ch./F.Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.47	24.50	24.62				
10	QPSK	1	25	24.49	24.44	24.48	25.5	0		
10	QPSK	1	49	24.46	24.42	24.40				
10	QPSK	25	0	23.30	23.53	23.44				
10	QPSK	25	12	23.47	23.43	23.41	24.5	1		
10	QPSK									



Band 13 Ant0 Default									
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)									
10	QPSK	1	0	23.63	23.63	23.63	24.5	0	
10	QPSK	1	49	23.64	23.64	23.64			
10	QPSK	1	49	24.54	24.54	24.54			
10	QPSK	25	0	22.87	22.87	22.87	23.5	1	
10	QPSK	25	12	22.93	22.93	22.93			
10	QPSK	25	25	22.84	22.84	22.84			
10	QPSK	50	0	22.92	22.92	22.92	23.5	1	
10	QPSK	50	12	22.95	22.95	22.95			
10	QPSK	50	25	22.56	22.56	22.56			
10	QPSK	1	49	21.52	21.52	21.52	22.5	2	
10	QPSK	1	49	21.52	21.52	21.52			
10	QPSK	25	0	21.57	21.57	21.57	22.5	2	
10	QPSK	25	12	21.52	21.52	21.52			
10	QPSK	25	25	21.50	21.50	21.50			
10	QPSK	50	0	21.57	21.57	21.57	22.5	2	
10	QPSK	50	12	21.58	21.58	21.58			
10	QPSK	1	25	21.49	21.49	21.49	21.5	3	
10	QPSK	1	49	21.44	21.44	21.44			
10	QPSK	25	0	20.95	20.95	20.95	21.5	3	
10	QPSK	25	12	20.98	20.98	20.98			
10	QPSK	25	25	20.93	20.93	20.93			
10	QPSK	50	0	20.93	20.93	20.93	21.5	3	
10	QPSK	50	12	20.95	20.95	20.95			
10	QPSK	50	25	18.67	18.63	18.63	19.5	5	
10	QPSK	1	49	18.58	18.58	18.58			
10	QPSK	25	0	18.58	18.58	18.58	19.5	5	
10	QPSK	25	12	18.60	18.60	18.60			
10	QPSK	25	25	18.56	18.56	18.56			
10	QPSK	50	0	18.54	18.54	18.54	19.5	5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.38	23.38	23.43	24.5	0	
5	QPSK	1	12	23.05	23.05	23.46			
5	QPSK	1	24	23.34	23.47	23.39			
5	QPSK	12	0	22.49	22.58	22.61	23.5	1	
5	QPSK	12	7	22.35	22.48	22.50			
5	QPSK	12	13	22.45	22.59	22.45			
5	QPSK	25	0	22.48	22.53	22.43	23.5	1	
5	QPSK	25	12	22.47	22.51	22.37			
5	QPSK	25	25	22.41	22.47	22.37			
5	QPSK	50	0	22.47	22.51	22.37	23.5	1	
5	QPSK	50	12	22.41	22.53	22.37			
5	QPSK	50	25	22.43	22.53	22.37	23.5	2	
5	QPSK	1	24	21.31	21.39	21.38	22.5	2	
5	QPSK	1	49	21.49	21.51	21.42			
5	QPSK	12	0	20.38	20.53	20.45	21.5	3	
5	QPSK	12	7	20.38	20.41	20.38			
5	QPSK	12	13	20.31	20.35	20.35			
5	QPSK	25	0	20.33	20.48	20.26	21.5	3	
5	QPSK	25	12	20.35	20.44	20.28			
5	QPSK	25	25	20.27	20.35	20.28			
5	QPSK	50	0	18.47	18.55	18.43	19.5	5	
5	QPSK	50	12	18.40	18.53	18.45			
5	QPSK	50	25	18.51	18.53	18.45	19.5	5	
5	QPSK	1	24	18.38	18.43	18.43			
5	QPSK	12	7	18.40	18.53	18.37	19.5	5	
5	QPSK	12	13	18.38	18.43	18.43			
5	QPSK	25	0	18.45	18.54	18.42	19.5	5	

Band 17 Ant0 Default									
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)									
10	QPSK	1	0	24.94	24.70	24.59	25.5	0	
10	QPSK	1	49	24.97	24.84	24.83			
10	QPSK	1	49	24.96	24.96	24.98			
10	QPSK	25	0	23.50	23.66	23.58	24.5	1	
10	QPSK	25	12	23.52	23.70	23.63			
10	QPSK	25	25	23.55	23.52	23.51			
10	QPSK	50	0	23.50	23.62	23.50	24.5	1	
10	QPSK	50	12	23.52	23.70	23.71			
10	QPSK	50	25	23.44	23.57	23.55	24.5	1	
10	QPSK	1	49	23.50	23.81	23.47			
10	QPSK	1	49	23.52	23.90	23.41			
10	QPSK	25	0	22.59	22.58	22.51	23.5	2	
10	QPSK	25	12	22.59	22.58	22.51			
10	QPSK	25	25	22.58	22.58	22.54			
10	QPSK	50	0	22.48	22.60	22.56	23.5	2	
10	QPSK	50	12	22.48	22.60	22.56			
10	QPSK	50	25	22.58	22.78	22.67	23.5	2	
10	QPSK	1	25	22.43	22.54	22.49	23.5	2	
10	QPSK	1	49	22.40	22.50	22.41			
10	QPSK	25	0	21.51	21.54	21.48	22.5	3	
10	QPSK	25	12	21.48	21.51	21.51			
10	QPSK	25	25	21.44	21.61	21.51	22.5	3	
10	QPSK	50	0	21.43	21.60	21.48	22.5	3	
10	QPSK	50	12	21.44	21.61	21.51			
10	QPSK	50	25	19.56	19.57	19.50	20.5	5	
10	QPSK	1	49	19.52	19.60	19.53			
10	QPSK	25	0	19.52	19.58	19.58	20.5	5	
10	QPSK	25	12	19.56	19.53	19.57			
10	QPSK	25	25	19.48	19.57	19.60	20.5	5	
10	QPSK	50	0	19.52	19.58	19.51			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.38	24.55	24.50	25.5	0	
5	QPSK	1	12	24.41	24.59	24.51			
5	QPSK	1	24	24.47	24.49	24.54			
5	QPSK	12	0	23.45	23.55	23.48	24.5	1	
5	QPSK	12	7	23.48	23.57	23.40			
5	QPSK	12	13	23.47	23.38	23.46	24.5	1	
5	QPSK	25	0	23.45	23.59	23.49	24.5	1	
5	QPSK	25	12	23.43	23.71	23.61			
5	QPSK	25	25	23.35	23.51	23.47	24.5	1	
5	QPSK	50	0	23.45	23.59	23.49	24.5	1	
5	QPSK	50	12	23.41	23.42	23.37			
5	QPSK	50	25	23.44	23.46	23.43	24.5	1	
5	QPSK	1	24	22.37	22.42	22.35	22.5	3	
5	QPSK	1	49	22.35	22.44	22.39			
5	QPSK	12	0	21.43	21.49	21.43	22.5	3	
5	QPSK	12	7	21.44	21.46	21.43			
5	QPSK	12	13	21.40	21.45	21.44	22.5	3	
5	QPSK	25	0	21.32	21.50	21.43	22.5	3	
5	QPSK	25	12	21.35	21.44	21.39			
5	QPSK	25	25	21.31	21.40	21.35	22.5	3	
5	QPSK	50	0	19.51	19.44	19.49	20.5	5	
5	QPSK	50	12	19.40	19.45	19.44			
5	QPSK	50	25	19.41	19.54	19.44	20.5	5	
5	QPSK	1	24	19.44	19.45	19.44			
5	QPSK	12	7	19.51	19.40	19.43	20.5	5	
5	QPSK	12	13	19.40	19.52	19.47			
5	QPSK	25	0	19.45	19.46	19.45	20.5	5	

Band 26 Ant0 for FCC Default									
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)									
15	QPSK	1	0	24.35	24.26	24.41	25.5	0	
15	QPSK	1	39	24.35	24.40	24.36			
15	QPSK	1	74	24.35	24.40	24.46			
15	QPSK	36	0	23.38	23.50	23.33	24.5	1	
15	QPSK	36	20	23.37	23.42	23.41			
15	QPSK	36	36	23.29	23.46	23.36	24.5	1	
15	QPSK	75	0	23.26	23.47	23.37	24.5	1	
15	QPSK	75	36	23.25	23.48	23.38			
15	QPSK	1	39	23.25	23.27	23.23	24.5	1	
15	QPSK	1	74	23.23	23.27	23.28			
15	QPSK	36	20	23.24	23.28	23.27	23.5	2	
15	QPSK	36	36	23.24	23.27	23.21			
15	QPSK	75	0	22.42	22.53	22.45	23.5	2	
15	QPSK	75	36	22.42	22.53	22.45			
15	QPSK	1	39	22.29	22.29	22.25	23.5	2	
15	QPSK	1	74	22.29	22.29	22.25		</	



### Band 38 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								
Channel Frequency (MHz)				3760	3800	3810		
20	QPSK	1	0	22.60	22.66	22.62	23.5	0
20	QPSK	1	49	22.54	22.62	22.51		
20	QPSK	1	99	22.53	22.53	22.81		
20	QPSK	50	0	21.32	21.56	21.40	22.5	1
20	QPSK	50	24	21.36	21.50	21.43		
20	QPSK	50	50	21.36	21.48	21.52		
20	QPSK	100	0	21.32	21.56	21.40	22.5	1
20	16QAM	1	49	21.48	21.54	21.53		
20	16QAM	1	49	21.40	21.46	21.36	22.5	1
20	16QAM	1	99	21.29	21.44	21.47		
20	16QAM	50	0	20.32	20.46	20.36	21.5	2
20	16QAM	50	24	20.30	20.41	20.33		
20	16QAM	50	50	20.28	20.40	20.30		
20	16QAM	100	0	20.32	20.33	20.32	21.5	2
20	64QAM	1	49	20.44	20.51	20.55		
20	64QAM	1	49	20.43	20.54	20.37	21.5	2
20	64QAM	1	99	20.44	20.45	20.50		
20	64QAM	50	0	19.36	19.51	19.40	20.5	3
20	64QAM	50	24	19.30	19.45	19.44		
20	64QAM	50	50	19.38	19.47	19.41		
20	64QAM	100	0	19.34	19.45	19.40	20.5	3
20	256QAM	1	0	17.33	17.42	17.43	18.5	5
20	256QAM	1	49	17.38	17.42	17.44		
20	256QAM	1	99	17.42	17.51	17.36		
20	256QAM	50	0	17.32	17.54	17.48	18.5	5
20	256QAM	50	24	17.42	17.44	17.44		
20	256QAM	50	50	17.44	17.42	17.34		
20	256QAM	100	0	17.40	17.44	17.42	18.5	5
Channel								
Channel Frequency (MHz)				3765	3800	3810		
15	QPSK	1	0	22.47	22.56	22.49	23.0	0
15	QPSK	1	37	22.51	22.56	22.42		
15	QPSK	1	74	22.46	22.41	22.55		
15	QPSK	36	0	21.30	21.49	21.33	22.5	1
15	QPSK	36	20	21.26	21.37	21.37		
15	QPSK	36	39	21.30	21.37	21.48		
15	QPSK	75	0	21.21	21.45	21.46	22.5	1
15	16QAM	1	37	21.34	21.41	21.41		
15	16QAM	1	37	21.28	21.32	21.25	22.5	1
15	16QAM	1	74	21.20	21.36	21.37		
15	16QAM	36	0	20.19	20.34	20.32	21.5	2
15	16QAM	36	20	20.27	20.36	20.32		
15	16QAM	36	39	20.19	20.29	20.21		
15	16QAM	75	0	20.24	20.24	20.29	21.5	2
15	16QAM	75	0	20.27	20.34	20.31		
15	16QAM	1	37	20.35	20.34	20.33	21.5	2
15	64QAM	1	74	20.29	20.38	20.39		
15	64QAM	36	0	19.21	19.45	19.34	20.5	3
15	64QAM	36	20	19.27	19.36	19.39		
15	64QAM	36	39	19.28	19.39	19.37		
15	64QAM	75	0	19.26	19.32	19.36	18.5	5
15	256QAM	1	0	17.25	17.35	17.29		
15	256QAM	1	49	17.28	17.36	17.34		
15	256QAM	1	74	17.29	17.41	17.21	18.5	5
15	256QAM	36	0	17.28	17.48	17.40		
15	256QAM	36	20	17.38	17.30	17.33		
15	256QAM	36	39	17.34	17.36	17.34	18.5	5
15	256QAM	75	0	17.34	17.32	17.34		
Channel								
Channel Frequency (MHz)				3760	3800	3820		
10	QPSK	1	0	22.48	22.59	22.51	23.0	0
10	QPSK	1	25	22.50	22.55	22.38		
10	QPSK	1	49	22.50	22.40	22.56		
10	QPSK	25	0	21.34	21.41	21.43	22.5	1
10	QPSK	25	12	21.22	21.35	21.30		
10	QPSK	25	25	21.31	21.36	21.40		
10	QPSK	50	0	21.25	21.47	21.33	22.5	1
10	16QAM	1	25	21.38	21.45	21.49		
10	16QAM	1	25	21.22	21.38	21.26	22.5	1
10	16QAM	1	49	21.20	21.38	21.44		
10	16QAM	25	0	20.24	20.42	20.23	21.5	2
10	16QAM	25	12	20.25	20.36	20.20		
10	16QAM	25	25	20.19	20.25	20.26		
10	16QAM	50	0	20.24	20.24	20.26	21.5	2
10	64QAM	1	0	20.29	20.41	20.52		
10	64QAM	1	25	20.23	20.36	20.32	21.5	2
10	64QAM	1	49	20.39	20.38	20.40		
10	64QAM	25	0	19.22	19.45	19.33	20.5	3
10	64QAM	25	12	19.35	19.31	19.29		
10	64QAM	25	25	19.31	19.40	19.36		
10	64QAM	50	0	19.30	19.34	19.26	18.5	5
10	256QAM	1	0	17.24	17.36	17.34		
10	256QAM	1	25	17.31	17.38	17.31	18.5	5
10	256QAM	1	49	17.29	17.40	17.42		
10	256QAM	25	0	17.20	17.40	17.42		
10	256QAM	25	12	17.28	17.33	17.26	18.5	5
10	256QAM	25	25	17.36	17.36	17.34		
10	256QAM	50	0	17.27	17.38	17.37	18.5	5
Channel								
Channel Frequency (MHz)				3775	3800	3820		
5	QPSK	1	0	22.46	22.53	22.57	23.0	0
5	QPSK	1	12	22.42	22.55	22.45		
5	QPSK	1	24	22.43	22.45	22.46		
5	QPSK	12	0	21.31	21.52	21.30	22.5	1
5	QPSK	12	7	21.28	21.43	21.39		
5	QPSK	12	13	21.30	21.37	21.42		
5	QPSK	25	0	21.22	21.43	21.25	22.5	1
5	16QAM	1	0	21.38	21.44	21.40	22.5	1
5	16QAM	1	12	21.30	21.34	21.34		
5	16QAM	1	24	21.15	21.38	21.43		
5	16QAM	12	0	20.21	20.42	20.30	21.5	2
5	16QAM	12	7	20.21	20.28	20.24		
5	16QAM	12	13	20.22	20.26	20.18	21.5	2
5	16QAM	25	0	20.26	20.25	20.24		
5	64QAM	1	0	20.33	20.44	20.47		
5	64QAM	1	12	20.38	20.43	20.41	21.5	2
5	64QAM	1	24	20.30	20.33	20.44		
5	64QAM	12	0	19.29	19.40	19.32	20.5	3
5	64QAM	12	7	19.33	19.32	19.39		
5	64QAM	12	13	19.25	19.33	19.37		
5	64QAM	25	0	19.25	19.41	19.36	18.5	5
5	256QAM	1	0	17.25	17.29	17.38		
5	256QAM	1	12	17.28	17.40	17.40	18.5	5
5	256QAM	1	24	17.27	17.40	17.22		
5	256QAM	12	0	17.22	17.47	17.44		
5	256QAM	12	7	17.35	17.30	17.35	18.5	5
5	256QAM	12	13	17.33	17.37	17.23		
5	256QAM	25	0	17.33	17.30	17.32	18.5	5

### Band 41 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								
Channel Frequency (MHz)				3970	4016	4020		
20	QPSK	1	0	22.68	22.81	22.72	23.5	0
20	QPSK	1	49	22.61	22.58	22.64		
20	QPSK	1	99	22.51	22.56	22.59		
20	QPSK	50	0	21.44	21.36	21.37	22.5	1
20	QPSK	50	24	21.45	21.49	21.48		
20	QPSK	50	50	21.43	21.43	21.61		
20	QPSK	100	0	21.43	21.36	21.36	22.5	1
20	16QAM	1	49	21.44	21.55	21.55	22.5	1
20	16QAM	1	49	21.42	21.28	21.45		
20	16QAM	1	99	21.29	21.30	21.34		
20	16QAM	50	0	20.30	20.36	20.40	21.5	2
20	16QAM	50	24	20.36	20.41	20.44		
20	16QAM	50	50	20.29	20.44	20.49		
20	16QAM	100	0	20.38	20.40	20.50	21.5	2
20	64QAM	1	49	20.34	20.33	20.71	21.5	2
20	64QAM	1	49	20.31	20.39	20.44		
20	64QAM	1	99	20.39	20.32	20.49		
20	64QAM	50	0	19.47	19.48	19.58	20.5	3
20	64QAM	50	24	19.29	19.45	19.40		
20	64QAM	50	50	19.39	19.43	19.45		
20	64QAM	100	0	19.38	19.50	19.45	20.5	3
20	256QAM	1	0	17.39	17.43	17.47	18.5	5
20	256QAM	1	49	17.49	17.49	17.39		





**GSM850 Ant1 Default**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	812	813.4	814.8	32.50	32.52	32.54	32.56	33.00
GSM 1 Tx slot	32.25	32.15	32.18	32.50	23.25	23.19	23.18	23.50
GPRS 1 Tx slot	32.22	32.16	32.06	32.50	23.22	23.16	23.06	23.50
GPRS 2 Tx slots	29.13	29.11	28.97	29.50	23.13	23.11	22.97	23.50
GPRS 3 Tx slots	27.15	27.23	26.93	27.50	22.89	22.97	22.67	23.24
GPRS 4 Tx slots	25.98	26.24	26.12	26.50	22.98	23.24	23.12	23.50
EDGE 1 Tx slot	25.91	26.04	25.92	26.50	16.91	17.04	16.92	17.50
EDGE 2 Tx slots	22.85	23.11	22.86	23.50	16.85	17.11	16.86	17.50
EDGE 3 Tx slots	21.21	21.25	21.08	21.50	16.95	16.99	16.82	17.24
EDGE 4 Tx slots	20.32	20.37	20.10	20.50	17.32	17.37	17.10	17.50

**WCDMA V Ant1 DS13**

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4162	4233	
Rx Channel	4357	4407	4458	33.00
Frequency (MHz)	818.4	818.4	818.6	
3GPP Rel 99 RMC 12.2kops	23.54	23.50	23.43	24.00
3GPP Rel 99 RMC 12.2kops	23.60	23.63	23.45	24.00
3GPP Rel 6 HSDPA Subtest-1	22.48	22.64	22.48	23.00
3GPP Rel 6 HSDPA Subtest-2	22.37	22.61	22.47	23.00
3GPP Rel 6 HSDPA Subtest-3	21.99	22.08	21.90	22.50
3GPP Rel 6 HSDPA Subtest-4	22.10	21.87	22.14	22.50
3GPP Rel 6 DCHSDPA Subtest-1	22.48	22.67	22.41	23.00
3GPP Rel 6 DCHSDPA Subtest-2	22.34	22.53	22.65	23.00
3GPP Rel 6 DCHSDPA Subtest-3	21.87	22.01	21.92	22.50
3GPP Rel 6 DCHSDPA Subtest-4	22.22	22.09	21.89	22.50
3GPP Rel 6 HSUPA Subtest-1	22.61	22.70	22.40	23.00
3GPP Rel 6 HSUPA Subtest-2	20.41	20.47	20.45	21.00
3GPP Rel 6 HSUPA Subtest-3	21.41	21.56	21.59	22.00
3GPP Rel 6 HSUPA Subtest-4	20.51	20.62	20.50	21.00
3GPP Rel 6 HSUPA Subtest-5	22.37	22.56	22.42	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.96	20.03	19.90	20.50



### Band 5 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								
Frequency (MHz)				829	838.5	844		
10	QPSK	1	0	23.28	23.32	23.26	24	0
10	QPSK	1	25	23.14	23.17	23.14		
10	QPSK	1	49	23.17	23.21	23.07		
10	QPSK	25	0	23.07	23.08	23.11		
10	QPSK	25	12	23.04	23.16	23.03	24	0
10	QPSK	25	25	23.12	23.23	23.18		
10	QPSK	50	0	22.99	23.16	23.06		
10	16QAM	1	0	23.01	23.20	23.09		
10	16QAM	1	25	23.09	23.07	23.09	24	0
10	16QAM	1	49	23.12	23.22	23.16		
10	16QAM	25	0	22.02	22.14	22.05		
10	16QAM	25	12	21.99	22.09	22.01	23	1
10	16QAM	25	25	21.95	22.07	22.04		
10	16QAM	50	0	21.98	22.07	22.04		
10	16QAM	1	0	22.10	22.13	22.18		
10	64QAM	1	25	22.05	22.12	22.10	23	1
10	64QAM	1	49	22.04	22.15	22.09		
10	64QAM	25	0	20.96	21.18	20.96		
10	64QAM	25	12	21.01	21.04	21.00		
10	64QAM	25	25	21.02	21.05	21.01	22	2
10	64QAM	50	0	21.07	21.07	21.09		
10	256QAM	1	0	19.00	19.03	18.90		
10	256QAM	1	25	18.97	19.02	18.94	20	4
10	256QAM	1	49	18.87	19.01	18.93		
10	256QAM	25	0	18.91	19.11	18.97		
10	256QAM	25	12	18.96	20.08	20.00		
10	256QAM	25	25	18.85	19.10	18.93	20	4
10	256QAM	50	0	18.91	19.03	18.99		
Channel								
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.14	23.19	23.18	24	0
5	QPSK	1	12	23.05	23.10	23.03		
5	QPSK	1	25	23.13	23.13	22.95		
5	QPSK	12	0	23.02	23.18	23.06		
5	QPSK	12	7	22.89	23.03	22.92	24	0
5	QPSK	12	13	23.05	23.19	23.06		
5	QPSK	25	0	22.91	23.04	22.96		
5	16QAM	1	0	23.05	23.09	23.00		
5	16QAM	1	12	23.01	22.97	22.95	24	0
5	16QAM	1	24	23.07	23.08	23.13		
5	16QAM	12	0	21.90	22.05	21.99		
5	16QAM	12	7	21.91	22.03	21.93	23	1
5	16QAM	12	13	21.91	21.98	21.92		
5	16QAM	25	0	21.89	22.02	21.99		
5	64QAM	1	0	21.98	22.07	22.11		
5	64QAM	1	12	22.00	22.05	22.05	23	1
5	64QAM	1	24	21.96	22.03	21.94		
5	64QAM	12	0	20.81	21.14	20.92		
5	64QAM	12	7	20.85	20.98	20.80	22	2
5	64QAM	12	13	20.97	21.00	20.95		
5	64QAM	25	0	20.96	20.98	20.94		
5	256QAM	1	0	18.94	18.92	18.77		
5	256QAM	1	12	18.89	18.89	18.90	20	4
5	256QAM	1	24	18.79	18.94	18.83		
5	256QAM	12	0	18.93	19.02	18.92		
5	256QAM	12	7	18.84	18.88	18.86	20	4
5	256QAM	12	13	18.78	18.98	18.80		
5	256QAM	25	0	18.82	18.95	18.96		
Channel								
Frequency (MHz)				824.5	834.5	844.5		
3	QPSK	1	0	23.05	23.09	23.00	24	0
3	QPSK	1	8	23.04	23.13	23.03		
3	QPSK	1	14	23.08	23.15	22.99		
3	QPSK	8	0	23.01	23.22	23.04		
3	QPSK	8	4	23.01	23.05	22.88	24	0
3	QPSK	15	0	22.98	23.10	23.04		
3	16QAM	1	8	22.98	23.01	22.95	24	0
3	16QAM	1	14	23.06	23.13	23.02		
3	16QAM	8	0	21.99	22.05	22.00		
3	16QAM	8	4	21.99	22.03	21.92	23	1
3	16QAM	8	7	21.81	22.01	21.96		
3	16QAM	15	0	21.91	22.03	21.94		
3	64QAM	1	0	22.04	22.09	22.11	23	1
3	64QAM	1	8	22.02	22.06	21.97		
3	64QAM	1	14	21.91	22.05	22.04		
3	64QAM	8	0	20.93	21.03	20.93	22	2
3	64QAM	8	4	20.90	20.97	20.92		
3	64QAM	8	7	20.88	20.97	20.91		
3	64QAM	15	0	20.90	20.99	20.96		
3	256QAM	1	0	18.96	18.97	18.82	20	4
3	256QAM	1	8	18.90	18.93	18.91		
3	256QAM	1	14	18.90	18.91	18.82		
3	256QAM	8	0	18.81	19.00	18.92		
3	256QAM	8	4	18.84	18.87	18.91	20	4
3	256QAM	8	7	18.77	18.94	18.83		
3	256QAM	15	0	18.77	18.92	18.87		
Channel								
Frequency (MHz)				824.7	838.5	848.3		
1.4	QPSK	1	0	23.19	23.18	23.20	24	0
1.4	QPSK	1	3	23.01	23.10	23.07		
1.4	QPSK	1	5	23.08	23.16	22.97		
1.4	QPSK	3	0	23.01	23.14	23.03		
1.4	QPSK	3	1	22.92	23.01	22.86	24	0
1.4	QPSK	3	3	22.99	23.14	23.08		
1.4	QPSK	6	0	22.96	23.12	23.03		
1.4	16QAM	1	0	22.94	23.05	23.00		
1.4	16QAM	1	3	22.96	23.04	23.05		
1.4	16QAM	1	5	23.00	23.09	23.03	24	0
1.4	16QAM	3	0	22.95	23.06	22.90		
1.4	16QAM	3	1	22.85	22.98	22.88		
1.4	16QAM	3	3	22.86	22.98	22.98		
1.4	16QAM	6	0	21.85	22.01	21.97	23	1
1.4	64QAM	1	0	21.98	22.05	22.11		
1.4	64QAM	1	3	21.93	21.98	21.98		
1.4	64QAM	1	5	21.92	22.06	21.98	23	1
1.4	64QAM	3	0	21.83	22.15	21.87		
1.4	64QAM	3	1	21.86	22.01	21.88		
1.4	64QAM	3	3	21.95	21.92	21.94		
1.4	64QAM	6	0	20.88	20.94	21.01	22	2
1.4	256QAM	1	0	18.89	18.94	18.81		
1.4	256QAM	1	3	18.85	18.89	18.84		
1.4	256QAM	1	5	18.74	18.89	18.87	20	4
1.4	256QAM	3	0	18.88	19.04	18.92		
1.4	256QAM	3	1	18.86	18.92	18.85		
1.4	256QAM	3	3	18.82	19.05	18.88		
1.4	256QAM	6	0	18.86	18.94	18.89	20	4

### Band 12 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.27	24.31	24.24	25.5	0
10	QPSK	1	25	24.13	24.24	24.20		
10	QPSK	1	49	24.13	24.26	24.13		
10	QPSK	25	0	23.15	23.27	23.08		
10	QPSK	25	12	23.15	23.19	23.18	24.5	1
10	QPSK	25	25	23.15	23.12	23.08		
10	QPSK	50	0	23.02	23.22	23.07		
10	16QAM	1	0	23.25	23.39	23.32		
10	16QAM	1	25	23.18	23.24	23.21	24.5	1
10	16QAM	1	49	23.13	23.26	23.17		
10	16QAM	25	0	22.18	22.32	22.14		
10	16QAM	25	12	22.20	22.23	22.13	23.5	2
10	16QAM	25	25	22.11	22.18	22.14		
10	16QAM	50	0	22.13	22.27	22.20		
10	64QAM	1	0	22.27	22.30	22.30		
10	64QAM	1	25	22.11	22.17	22.16	23.5	2
10	64QAM	1	49	22.07	22.24	22.18		
10	64QAM	25	0	21.09	21.26	21.14		
10	64QAM	25	12	21.05	21.14	21.09		
10	64QAM	25	25	21.07	21.17	21.19	22.5	3
10	64QAM	50	0	21.05	21.22	21.08		
10	256QAM	1	0	19.10	19.17	19.19		
10	256QAM	1	25	19.12	19.18	19.23	20.5	5
10	256QAM	1	49	19.13	19.19	19.24		
10	256QAM	25	0	19.17	19.31	19.17		
10	256QAM	25	12	19.09	21.05	20.96		
10	256QAM	25	25	19.15	19.27	19.18	20.5	5
10	256QAM	50	0	19.09	19.18	19.		



Band 17 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				23755	23750	23825			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.12	24.26	24.23			
10	QPSK	1	25	24.10	24.16	24.07	25	0	
10	QPSK	1	49	24.07	24.21	24.12			
10	QPSK	25	0	23.04	23.22	23.05			
10	QPSK	25	12	23.06	23.14	23.06	24	1	
10	QPSK	25	25	23.04	23.16	23.07			
10	QPSK	50	0	22.98	23.11	23.04			
10	16QAM	1	0	23.12	23.14	23.20			
10	16QAM	1	25	23.07	23.15	23.04	24	1	
10	16QAM	1	49	23.03	23.10	23.10			
10	16QAM	25	0	21.95	22.16	22.06			
10	16QAM	25	12	21.96	22.10	22.06	23	2	
10	16QAM	25	25	21.97	22.06	22.03			
10	16QAM	50	0	21.97	22.01	22.04			
10	64QAM	1	0	22.26	22.26	22.17			
10	64QAM	1	25	22.05	22.12	22.11	23	2	
10	64QAM	1	49	22.03	22.11	22.13			
10	64QAM	25	0	21.07	21.21	21.02			
10	64QAM	25	12	21.09	21.17	21.02	22	3	
10	64QAM	25	25	21.00	21.13	21.04			
10	64QAM	50	0	21.04	21.09	21.06			
10	256QAM	1	0	18.97	19.09	19.09			
10	256QAM	1	25	18.97	19.14	18.99	20	5	
10	256QAM	1	49	18.98	19.12	19.07			
10	256QAM	25	0	18.95	19.17	19.00			
10	256QAM	25	12	19.00	19.07	18.99	20	5	
10	256QAM	25	25	19.02	19.12	19.09			
10	256QAM	50	0	18.94	19.04	19.06			
Channel				23755	23750	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.05	24.16	24.17			
5	QPSK	1	12	24.07	24.04	23.94	25	0	
5	QPSK	1	24	23.98	24.06	23.93			
5	QPSK	12	0	22.98	23.18	22.94			
5	QPSK	12	7	22.97	23.02	22.92	24	1	
5	QPSK	12	13	22.92	23.05	22.95			
5	QPSK	25	0	22.88	22.97	22.92			
5	16QAM	1	0	22.96	23.02	23.12			
5	16QAM	1	12	23.02	23.11	22.95	24	1	
5	16QAM	1	24	22.97	23.00	23.01			
5	16QAM	12	0	21.83	22.05	21.98			
5	16QAM	12	7	21.93	22.05	21.97	23	2	
5	16QAM	12	13	21.92	21.99	21.91			
5	16QAM	25	0	21.83	21.99	21.95			
5	64QAM	1	0	22.00	22.19	22.06			
5	64QAM	1	12	22.01	22.00	22.06	23	2	
5	64QAM	1	24	21.98	22.07	22.01			
5	64QAM	12	0	20.97	21.11	20.92			
5	64QAM	12	7	21.04	21.11	20.97	22	3	
5	64QAM	12	13	20.95	20.90	20.95			
5	64QAM	25	0	20.90	21.03	21.03			
5	256QAM	1	0	18.90	19.01	19.05			
5	256QAM	1	12	18.90	19.04	18.85	20	5	
5	256QAM	1	24	18.85	19.00	19.00			
5	256QAM	12	0	18.84	19.07	18.92			
5	256QAM	12	7	18.95	18.97	18.85	20	5	
5	256QAM	12	13	18.94	19.07	19.05			
5	256QAM	25	0	18.89	18.96	18.92			

Band 26 Ant1 for FCC 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				26745	26665	26990			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.18	24.25	24.07			
15	QPSK	1	37	24.04	24.15	24.07	25.7	0	
15	QPSK	1	74	24.12	24.14	24.12			
15	QPSK	38	0	23.07	23.24	23.08			
15	QPSK	38	20	23.07	23.12	23.08	24.7	1	
15	QPSK	38	39	23.10	23.17	23.08			
15	QPSK	75	0	23.01	23.16	23.05			
15	16QAM	1	0	23.23	23.25	23.28			
15	16QAM	1	37	23.08	23.19	23.09	24.7	1	
15	16QAM	1	74	23.04	23.21	23.05			
15	16QAM	38	0	22.04	22.25	22.17			
15	16QAM	38	20	22.03	22.12	22.11	23.7	2	
15	16QAM	38	39	22.04	22.12	22.10			
15	16QAM	75	0	22.04	22.16	22.10			
15	64QAM	1	0	22.16	22.29	22.24			
15	64QAM	1	37	22.03	22.14	22.10	23.7	2	
15	64QAM	1	74	22.08	22.11	22.08			
15	64QAM	38	0	21.01	21.21	21.05			
15	64QAM	38	20	21.03	21.11	21.10	22.7	3	
15	64QAM	38	39	21.10	21.12	21.05			
15	64QAM	75	0	21.01	21.12	21.07			
15	256QAM	1	0	19.10	19.15	19.15			
15	256QAM	1	37	19.09	19.20	19.12	20.7	5	
15	256QAM	1	74	19.14	19.11	19.08			
15	256QAM	38	0	19.05	19.25	19.13			
15	256QAM	38	20	19.08	19.20	19.12	20.7	5	
15	256QAM	38	39	19.10	19.17	19.16			
15	256QAM	75	0	19.07	19.12	19.08			
Channel				26740	26665	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.05	24.21	24.00			
10	QPSK	1	25	23.91	24.09	23.99	25.7	0	
10	QPSK	1	49	24.08	24.03	23.98			
10	QPSK	25	0	22.96	23.14	23.02			
10	QPSK	25	12	22.98	22.99	22.93	24.7	1	
10	QPSK	25	25	23.00	23.04	22.98			
10	QPSK	50	0	22.88	23.06	22.96			
10	16QAM	1	0	23.16	23.21	23.24			
10	16QAM	1	25	23.04	23.12	23.06	24.7	1	
10	16QAM	1	49	22.90	23.08	22.90			
10	16QAM	25	0	21.94	22.11	22.05			
10	16QAM	25	12	21.97	21.99	22.01	23.7	2	
10	16QAM	25	25	21.99	22.03	21.99			
10	64QAM	1	0	22.07	22.03	22.01			
10	64QAM	1	25	21.99	22.05	21.99	22.7	3	
10	64QAM	25	0	20.97	21.18	20.96			
10	64QAM	25	12	21.03	21.01	21.01	22.7	3	
10	64QAM	25	25	21.00	21.09	20.95			
10	64QAM	50	0	20.89	21.01	20.97			
10	256QAM	1	0	19.07	19.08	19.09			
10	256QAM	1	25	18.97	19.05	19.01	20.7	5	
10	256QAM	1	49	19.10	19.03	18.96			
10	256QAM	25	0	18.93	19.22	19.04			
10	256QAM	25	12	19.01	19.12	19.03	20.7	5	
10	256QAM	25	25	19.06	19.04	19.05			
10	256QAM	50	0	19.03	18.99	19.03			
Channel				26715	26665	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.06	24.21	23.96			
5	QPSK	1	12	23.90	24.06	23.96	25.7	0	
5	QPSK	1	24	24.05	24.05	23.97			
5	QPSK	12	0	22.93	23.15	23.00			
5	QPSK	12	7	22.92	23.03	23.01	24.7	1	
5	QPSK	12	13	23.01	23.10	23.02			
5	QPSK	25	0	22.83	23.13	22.93			
5	16QAM	1	0	23.10	23.17	23.17			
5	16QAM	1	12	23.01	23.15	22.94	24.7	1	
5	16QAM	1	24	22.95	23.13	23.01			
5	16QAM	12	0	21.92	22.19	22.14			
5	16QAM	12	7	21.91	22.00	22.03	23.7	2	
5	16QAM	12	13	21.95	21.98	22.05			
5	16QAM	25	0	21.94	22.11	22.02			
5	64QAM	1	0	22.04	22.26	22.19			
5	64QAM	1	12	21.94	22.11	22.06	23.7	2	
5	64QAM	1	24	22.01	22.07	21			



**GSM1900 Ant3 Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	152.12	180	169.8	152.12	180.3	169.8		
GSM 1 Tx slot	29.88	30.11	30.12	31.00	29.89	21.11	21.12	22.00
GPRS 1 Tx slot	26.84	30.01	30.03	31.00	26.84	21.01	21.03	22.00
GPRS 2 Tx slots	26.71	26.64	26.68	27.50	20.71	20.64	20.68	21.50
GPRS 3 Tx slots	24.54	24.61	24.42	25.50	20.28	20.35	20.16	21.24
GPRS 4 Tx slots	23.88	24.09	24.13	24.50	20.88	21.09	21.13	21.50
EDGE 1 Tx slot	25.37	25.42	25.56	27.00	16.37	16.42	16.56	18.00
EDGE 2 Tx slots	22.21	22.28	22.30	24.00	16.21	16.28	16.30	18.00
EDGE 3 Tx slots	20.12	20.31	20.15	22.00	15.86	16.05	15.89	17.74
EDGE 4 Tx slots	19.44	19.54	19.20	21.00	16.44	16.54	16.20	18.00

**WCDMA II Ant3 Default**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9682	9800	9938	1537	1638	1738			
Frequency (MHz)	1853.4	1880	1907.6	1783.4	1793.6	1821.2			
SCPP Rel 99	AMR 12.2kops	24.88	24.77	24.71	25.50	24.89	24.75	24.84	25.50
SCPP Rel 99	RM-C 12.2kops	24.81	24.88	24.74	25.50	24.80	24.88	24.82	25.50
SCPP Rel 6	HSDPA Subtest-1	23.80	23.80	23.70	24.50	23.53	23.91	23.78	24.50
SCPP Rel 6	HSDPA Subtest-2	23.60	23.89	23.72	24.50	23.85	23.72	23.77	24.50
SCPP Rel 6	HSDPA Subtest-3	23.14	23.41	23.27	24.00	23.15	23.28	23.16	24.00
SCPP Rel 6	HSDPA Subtest-4	23.20	23.32	23.26	24.00	23.12	23.37	23.14	24.00
SCPP Rel 6	DC-HSDPA Subtest-1	23.62	23.84	23.74	24.50	23.63	23.62	23.68	24.50
SCPP Rel 6	DC-HSDPA Subtest-2	23.68	23.89	23.72	24.50	23.72	23.86	23.72	24.50
SCPP Rel 6	DC-HSDPA Subtest-3	23.05	23.26	23.20	24.00	23.05	23.33	23.23	24.00
SCPP Rel 6	DC-HSDPA Subtest-4	23.12	23.33	23.33	24.00	23.17	23.33	23.26	24.00
SCPP Rel 6	HSUPA Subtest-1	23.68	23.86	23.81	24.50	23.53	23.80	23.70	24.50
SCPP Rel 6	HSUPA Subtest-2	21.72	21.85	21.70	22.50	21.60	21.78	21.78	22.50
SCPP Rel 6	HSUPA Subtest-3	22.66	22.91	22.74	23.50	22.81	22.78	22.67	23.50
SCPP Rel 6	HSUPA Subtest-4	21.55	21.89	21.68	22.50	21.59	21.87	21.68	22.50
SCPP Rel 6	HSUPA Subtest-5	23.58	23.70	23.57	24.50	23.56	23.68	23.61	24.50
SCPP Rel 7	HSPA+ (16QAM) Subtest-1	21.04	21.30	21.21	22.00	21.04	21.19	21.10	22.00



Band 2 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp / Ch / Freq	Power Hsp / Freq	Turn-up (dB)	MPR (dB)		
Channel										
				1860	1860	1900				
20	QPSK	1	0	24.58	24.54	24.50			25.5	0
20	QPSK	1	49	24.45	24.41	24.37			25.5	0
20	QPSK	1	99	24.45	24.41	24.37			25.5	0
20	QPSK	50	0	23.48	23.39	23.28			24.5	1
20	QPSK	50	24	23.54	23.45	23.36			24.5	1
20	QPSK	50	50	23.53	23.40	23.24			24.5	1
20	QPSK	100	0	23.53	23.38	23.21			24.5	1
20	QPSK	100	50	23.58	23.47	23.37			24.5	1
20	HQAM	1	49	23.56	23.56	23.57			24.5	1
20	HQAM	1	99	23.52	23.57	23.58			24.5	1
20	HQAM	1	24	22.54	22.50	22.59			23.5	2
20	HQAM	50	0	22.48	22.57	22.58			23.5	2
20	HQAM	50	24	22.59	22.54	22.55			23.5	2
20	HQAM	100	0	22.59	22.58	22.58			23.5	2
20	HQAM	100	50	22.59	22.58	22.58			23.5	2
20	HQAM	1	49	22.58	22.57	22.56			23.5	2
20	HQAM	1	99	22.57	22.58	22.59			23.5	2
20	HQAM	50	24	21.53	21.57	21.61			22.5	3
20	HQAM	100	0	21.59	21.62	21.62			22.5	3
20	ZSSM	1	49	19.45	19.45	19.43			20.5	5
20	ZSSM	1	99	19.45	19.45	19.43			20.5	5
20	ZSSM	50	24	19.45	19.45	19.43			20.5	5
20	ZSSM	100	0	19.45	19.45	19.43			20.5	5
20	ZSSM	100	50	19.45	19.45	19.43			20.5	5
Channel										
				1875	1890	1915				
15	QPSK	1	0	24.48	24.48	24.47			25.5	0
15	QPSK	1	49	24.45	24.44	24.43			25.5	0
15	QPSK	1	99	24.42	24.40	24.37			25.5	0
15	QPSK	50	0	23.37	23.30	23.22			24.5	1
15	QPSK	50	24	23.47	23.45	23.42			24.5	1
15	QPSK	50	50	23.47	23.36	23.27			24.5	1
15	QPSK	100	0	23.47	23.36	23.27			24.5	1
15	QPSK	100	50	23.54	23.48	23.42			24.5	1
15	HQAM	1	49	23.54	23.58	23.60			24.5	1
15	HQAM	1	99	23.52	23.59	23.64			24.5	1
15	HQAM	1	24	22.49	22.54	22.54			23.5	2
15	HQAM	50	0	22.45	22.58	22.59			23.5	2
15	HQAM	50	24	22.56	22.52	22.51			23.5	2
15	HQAM	100	0	22.57	22.52	22.51			23.5	2
15	HQAM	100	50	22.57	22.52	22.51			23.5	2
15	HQAM	1	49	22.45	22.51	22.47			23.5	2
15	HQAM	1	99	22.45	22.56	22.51			23.5	2
15	HQAM	50	24	21.42	21.51	21.53			22.5	3
15	HQAM	100	0	21.49	21.60	21.48			22.5	3
15	ZSSM	1	49	19.43	19.42	19.43			20.5	5
15	ZSSM	1	99	19.44	19.45	19.43			20.5	5
15	ZSSM	50	24	19.39	19.45	19.45			20.5	5
15	ZSSM	100	0	19.39	19.42	19.44			20.5	5
15	ZSSM	100	50	19.39	19.42	19.44			20.5	5
Channel										
				2005	2017	2025				
15	QPSK	1	0	24.48	24.44	24.44			25.5	0
15	QPSK	1	49	24.44	24.44	24.43			25.5	0
15	QPSK	1	99	24.47	24.46	24.45			25.5	0
15	QPSK	50	0	23.30	23.30	23.27			24.5	1
15	QPSK	50	24	23.42	23.44	23.44			24.5	1
15	QPSK	50	50	23.36	23.46	23.47			24.5	1
15	QPSK	100	0	23.41	23.39	23.36			24.5	1
15	QPSK	100	50	23.56	23.48	23.46			24.5	1
15	HQAM	1	49	23.52	23.59	23.64			24.5	1
15	HQAM	1	99	23.48	23.57	23.62			24.5	1
15	HQAM	1	24	22.49	22.54	22.54			23.5	2
15	HQAM	50	0	22.45	22.58	22.59			23.5	2
15	HQAM	50	24	22.56	22.52	22.51			23.5	2
15	HQAM	100	0	22.57	22.52	22.51			23.5	2
15	HQAM	100	50	22.57	22.52	22.51			23.5	2
15	HQAM	1	49	22.40	22.51	22.57			23.5	2
15	HQAM	1	99	22.40	22.59	23.01			23.5	2
15	HQAM	50	24	21.44	21.58	21.58			22.5	3
15	HQAM	100	0	21.44	21.58	21.58			22.5	3
15	HQAM	100	50	21.54	21.55	21.53			22.5	3
15	HQAM	1	49	19.39	19.37	19.33			20.5	5
15	ZSSM	1	74	19.32	19.47	19.40			20.5	5
15	ZSSM	1	99	19.32	19.46	19.40			20.5	5
15	ZSSM	50	24	19.28	19.42	19.38			20.5	5
15	ZSSM	100	0	19.28	19.42	19.38			20.5	5
15	ZSSM	100	50	19.33	19.39	19.50			20.5	5
Channel										
				2005	2017	2025				
15	QPSK	1	0	24.48	24.44	24.44			25.5	0
15	QPSK	1	49	24.44	24.44	24.43			25.5	0
15	QPSK	1	99	24.47	24.46	24.45			25.5	0
15	QPSK	50	0	23.30	23.30	23.27			24.5	1
15	QPSK	50	24	23.42	23.44	23.44			24.5	1
15	QPSK	50	50	23.36	23.46	23.47			24.5	1
15	QPSK	100	0	23.41	23.39	23.36			24.5	1
15	QPSK	100	50	23.56	23.48	23.46			24.5	1
15	HQAM	1	49	23.52	23.59	23.64			24.5	1
15	HQAM	1	99	23.48	23.57	23.62			24.5	1
15	HQAM	1	24	22.49	22.54	22.54			23.5	2
15	HQAM	50	0	22.45	22.58	22.59			23.5	2
15	HQAM	50	24	22.56	22.52	22.51			23.5	2
15	HQAM	100	0	22.57	22.52	22.51			23.5	2
15	HQAM	100	50	22.57	22.52	22.51			23.5	2
15	HQAM	1	49	22.40	22.51	22.57			23.5	2
15	HQAM	1	99	22.40	22.59	23.01			23.5	2
15	HQAM	50	24	21.44	21.58	21.58			22.5	3
15	HQAM	100	0	21.44	21.58	21.58			22.5	3
15	HQAM	100	50	21.54	21.55	21.53			22.5	3
15	HQAM	1	49	19.39	19.37	19.33			20.5	5
15	ZSSM	1	74	19.32	19.47	19.40			20.5	5
15	ZSSM	1	99	19.32	19.46	19.40			20.5	5
15	ZSSM	50	24	19.28	19.42	19.38			20.5	5
15	ZSSM	100	0	19.28	19.42	19.38			20.5	5
15	ZSSM	100	50	19.33	19.39	19.50			20.5	5
Channel										
				2005	2017	2025				
15	QPSK	1	0	24.48	24.44	24.44			25.5	0
15	QPSK	1	49	24.44	24.44	24.43			25.5	0
15	QPSK	1	99	24.47	24.46	24.45			25.5	0
15	QPSK	50	0	23.30	23.30	23.27			24.5	1
15	QPSK	50	24	23.42	23.44	23.44			24.5	1
15	QPSK	50	50	23.36	23.46	23.47			24.5	1
15	QPSK	100	0	23.41	23.39	23.36			24.5	1
15	QPSK	100	50	23.56	23.48	23.46			24.5	1
15	HQAM	1	49	23.52	23.59	23.64			24.5	1
15	HQAM	1	99	23.48	23.57	23.62			24.5	1
15	HQAM	1	24	22.49	22.54	22.54			23.5	2
15	HQAM	50	0	22.45	22.58	22.59			23.5	2
15	HQAM	50	24	22.56	22.52	22.51			23.5	2
15	HQAM	100	0	22.57	22.52	22.51			23.5	2
15	HQAM	100	50	22.57	22.52	22.51			23.5	2
15	HQAM	1	49	22.40	22.51	22.57			23.5	2
15	HQAM	1	99	22.40	22.59	23.01			23.5	2
15	HQAM	50	24	21.44	21.58	21.58			22.5	3
15	HQAM	100								



Band 38 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid/Low Ch. / Freq.	Power Mid/High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.82	24.69	24.84	25.5	0		
20	QPSK	1	49	24.50	24.61	24.82				
20	QPSK	1	99	24.47	24.64	24.52				
20	QPSK	50	0	23.53	23.69	23.48				
20	QPSK	50	24	23.52	23.99	23.55	24.5	1		
20	QPSK	50	50	23.50	23.52	23.54				
20	QPSK	100	0	23.56	23.69	23.62				
20	16QAM	1	0	23.54	23.65	23.66	24.5	1		
20	16QAM	1	49	23.50	23.60	23.50				
20	16QAM	1	99	23.48	23.53	23.53				
20	16QAM	50	0	22.45	22.64	22.51				
20	16QAM	50	24	22.49	22.50	22.56	23.5	2		
20	16QAM	50	50	22.45	22.59	22.47				
20	16QAM	100	0	22.52	22.59	22.56				
20	64QAM	1	0	22.60	22.62	22.63				
20	64QAM	1	49	22.50	22.58	22.51	23.5	2		
20	64QAM	1	99	22.49	22.61	22.55				
20	64QAM	50	0	21.47	21.66	21.51				
20	64QAM	50	24	21.52	21.51	21.55	22.5	3		
20	64QAM	50	50	21.47	21.56	21.57				
20	64QAM	100	0	21.44	21.60	21.58				
20	256QAM	1	0	19.44	19.58	19.50				
20	256QAM	1	49	19.44	19.55	19.48	20.5	5		
20	256QAM	1	99	19.42	19.53	19.55				
20	256QAM	50	0	19.51	19.63	19.49				
20	256QAM	50	24	19.40	19.54	19.45	20.5	5		
20	256QAM	50	50	19.49	19.55	19.56				
20	256QAM	100	0	19.42	19.51	19.55				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	24.52	24.60	24.58	25.5	0		
15	QPSK	1	37	24.38	24.58	24.51				
15	QPSK	1	74	24.34	24.50	24.47				
15	QPSK	36	0	23.39	23.52	23.35				
15	QPSK	36	20	23.38	23.51	23.49	24.5	1		
15	QPSK	36	39	23.36	23.43	23.46				
15	QPSK	75	0	23.49	23.56	23.57				
15	16QAM	1	0	23.48	23.62	23.57				
15	16QAM	1	37	23.40	23.50	23.38	24.5	1		
15	16QAM	1	74	23.35	23.43	23.46				
15	16QAM	36	0	22.34	22.39	22.42				
15	16QAM	36	20	22.40	22.41	22.51	23.5	2		
15	16QAM	36	39	22.38	22.48	22.36				
15	16QAM	75	0	22.40	22.53	22.44				
15	16QAM	1	0	22.52	22.57	22.54				
15	16QAM	1	37	22.42	22.47	22.40	23.5	2		
15	16QAM	1	74	22.43	22.57	22.41				
15	16QAM	36	0	21.35	21.58	21.46				
15	16QAM	36	20	21.40	21.41	21.51	22.5	3		
15	16QAM	36	39	21.41	21.46	21.53				
15	16QAM	75	0	21.30	21.48	21.53				
15	256QAM	1	0	19.37	19.49	19.39				
15	256QAM	1	37	19.30	19.52	19.37	20.5	5		
15	256QAM	1	74	19.28	19.38	19.44				
15	256QAM	36	0	19.43	19.58	19.39				
15	256QAM	36	20	19.26	19.45	19.32	20.5	5		
15	256QAM	36	39	19.35	19.43	19.45				
15	256QAM	75	0	19.35	19.42	19.44				
Channel				37800	38050	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	24.55	24.59	24.60	25.5	0		
10	QPSK	1	25	24.45	24.50	24.56				
10	QPSK	1	49	24.36	24.54	24.39				
10	QPSK	25	0	23.48	23.55	23.44				
10	QPSK	25	12	23.45	23.46	23.44	24.5	1		
10	QPSK	25	25	23.37	23.42	23.43				
10	QPSK	50	0	23.49	23.57	23.55				
10	16QAM	1	0	23.41	23.52	23.61	24.5	1		
10	16QAM	1	25	23.36	23.52	23.40				
10	16QAM	1	49	23.38	23.40	23.39				
10	16QAM	25	0	22.35	22.49	22.48				
10	16QAM	25	12	22.39	22.40	22.46	23.5	2		
10	16QAM	25	25	22.40	22.49	22.41				
10	16QAM	50	0	22.41	22.53	22.49				
10	16QAM	1	0	22.56	22.55	22.48				
10	64QAM	1	25	22.45	22.48	22.47	23.5	2		
10	64QAM	1	49	22.39	22.54	22.51				
10	64QAM	25	0	21.38	21.55	21.38				
10	64QAM	25	12	21.49	21.39	21.44	22.5	3		
10	64QAM	25	25	21.33	21.50	21.54				
10	64QAM	50	0	21.40	21.55	21.55				
10	256QAM	1	0	19.31	19.54	19.44				
10	256QAM	1	25	19.32	19.41	19.38	20.5	5		
10	256QAM	1	49	19.39	19.50	19.43				
10	256QAM	25	0	19.37	19.52	19.37				
10	256QAM	25	12	19.36	19.45	19.38	20.5	5		
10	256QAM	25	25	19.44	19.41	19.43				
10	256QAM	50	0	19.36	19.47	19.51				
Channel				37775	38000	38225				
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	24.53	24.65	24.57	25.5	0		
5	QPSK	1	12	24.46	24.57	24.50				
5	QPSK	1	24	24.34	24.58	24.48				
5	QPSK	12	0	23.46	23.57	23.42				
5	QPSK	12	7	23.42	23.48	23.48	24.5	1		
5	QPSK	12	13	23.47	23.38	23.41				
5	QPSK	25	0	23.51	23.59	23.47				
5	16QAM	1	0	23.50	23.53	23.54				
5	16QAM	1	12	23.38	23.47	23.38	24.5	1		
5	16QAM	1	24	23.40	23.39	23.43				
5	16QAM	12	0	22.34	22.50	22.43				
5	16QAM	12	7	22.43	22.36	22.53	23.5	2		
5	16QAM	12	13	22.38	22.52	22.35				
5	16QAM	25	0	22.43	22.53	22.43				
5	64QAM	1	0	22.55	22.58	22.51				
5	64QAM	1	12	22.44	22.43	22.36	23.5	2		
5	64QAM	1	24	22.45	22.57	22.42				
5	64QAM	12	0	21.35	21.62	21.40				
5	64QAM	12	7	21.44	21.36	21.44	22.5	3		
5	64QAM	12	13	21.42	21.49	21.48				
5	64QAM	25	0	21.40	21.49	21.53				
5	256QAM	1	0	19.32	19.48	19.42				
5	256QAM	1	12	19.41	19.48	19.40	20.5	5		
5	256QAM	1	24	19.39	19.40	19.40				
5	256QAM	12	0	19.39	19.54	19.44				
5	256QAM	12	7	19.33	19.49	19.31	20.5	5		
5	256QAM	12	13	19.41	19.41	19.47				
5	256QAM	25	0	19.38	19.47	19.46				

Band 41 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid/Low Ch. / Freq.	Power Mid/High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.71	24.60	24.81	24.74	24.75	25.5	0
20	QPSK	1	49	24.60	24.68	24.74	24.64	24.62		
20	QPSK	1	99	24.72	24.58	24.77	24.64	24.64		
20	QPSK	50	0	23.75	23.64	23.79	23.69	23.70		
20	QPSK	50	24	23.63	23.66	23.68	23.68	23.53	24.5	1
20	QPSK	50	50	23.64	23.63	23.73	23.62	23.58		
20	QPSK	100	0	23.60	23.51	23.73	23.56	23.69		
20	16QAM	1	0	23.71	23.63	23.75	23.67	23		



Band 2 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)	
Channel	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Turn-up (dB)	MPR (dB)
20	QPSK	1	0	23.47	23.66	23.44				
20	QPSK	1	9	23.39	23.49	23.39			24.5	0
20	QPSK	1	18	23.41	23.63	23.52				
20	QPSK	1	27	23.43	23.65	23.44			24	1
20	QPSK	50	0	23.43	23.59	23.51				
20	QPSK	100	0	23.44	23.61	23.45				
20	16QAM	1	49	22.41	22.47	22.48			24	1
20	16QAM	1	99	22.38	22.43	22.43				
20	16QAM	1	149	21.99	21.99	21.99				
20	16QAM	50	24	21.43	21.48	21.41			23	2
20	16QAM	50	90	21.42	21.44	21.43				
20	16QAM	50	135	21.42	21.43	21.43				
20	64QAM	1	0	21.58	21.71	21.66				
20	64QAM	1	49	21.47	21.51	21.53			23	2
20	64QAM	1	99	21.44	21.47	21.47				
20	64QAM	50	0	20.46	20.52	20.44				
20	64QAM	50	24	20.40	20.47	20.50			22	3
20	64QAM	50	90	20.45	20.52	20.44				
20	64QAM	100	0	20.47	20.57	20.52				
20	256QAM	1	49	18.40	18.56	18.52			20	5
20	256QAM	1	99	18.43	18.49	18.42				
20	256QAM	50	24	18.43	18.49	18.52			20	5
20	256QAM	50	90	18.43	18.49	18.50				
20	256QAM	100	0	18.43	18.49	18.43				

Band 4 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)	
Channel	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Turn-up (dB)	MPR (dB)
20	QPSK	1	0	22.70	22.87	22.79				
20	QPSK	1	9	22.71	22.83	22.78			24.5	0
20	QPSK	50	0	21.94	21.95	21.73				
20	QPSK	100	0	21.83	21.87	21.73			23.5	1
20	16QAM	1	49	21.82	21.82	21.70				
20	16QAM	1	99	21.84	21.77	21.84				
20	16QAM	1	149	21.80	21.78	21.87			23.5	1
20	16QAM	1	199	21.83	21.88	21.88				
20	16QAM	50	0	20.81	20.85	20.71			22.5	2
20	16QAM	50	24	20.88	20.88	20.71				
20	16QAM	50	90	20.86	20.86	20.72				
20	16QAM	100	0	20.70	20.81	20.75				
20	64QAM	1	0	20.70	20.81	20.75				
20	64QAM	1	49	20.84	20.79	20.87			22.5	2
20	64QAM	1	99	20.82	20.79	20.72				
20	64QAM	50	0	19.67	19.52	19.67				
20	64QAM	50	24	19.61	19.71	19.65			21.5	3
20	64QAM	50	90	19.65	19.77	19.53				
20	64QAM	100	0	19.65	19.70	19.52				
20	256QAM	1	49	17.73	17.73	17.72			19.5	5
20	256QAM	1	99	17.66	17.78	17.80				
20	256QAM	50	24	17.71	17.82	17.76			19.5	5
20	256QAM	50	90	17.66	17.81	17.77				
20	256QAM	100	0	17.65	17.80	17.77				

Band 7 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)	
Channel	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Turn-up (dB)	MPR (dB)
20	QPSK	1	0	22.02	22.07	21.91				
20	QPSK	1	9	22.03	22.08	21.92			23	0
20	QPSK	1	18	22.04	22.09	21.98				
20	QPSK	1	27	22.05	22.10	21.98				
20	QPSK	50	0	21.91	21.97	21.88			23	0
20	QPSK	100	0	21.84	21.89	21.77				
20	16QAM	1	49	21.87	21.82	21.83				
20	16QAM	1	99	21.83	21.87	21.81				
20	16QAM	1	149	21.87	21.92	21.89			23	0
20	16QAM	1	199	21.88	21.93	21.89				
20	16QAM	50	24	21.78	21.81	21.87				
20	16QAM	50	90	21.79	21.86	21.80				
20	16QAM	100	0	21.88	22.02	21.91				
20	64QAM	1	49	21.82	21.85	21.79			23	0
20	64QAM	1	99	21.82	21.86	21.80				
20	64QAM	50	24	20.72	20.94	20.83			22	1
20	64QAM	50	90	20.77	20.79	20.73				
20	64QAM	100	0	20.79	20.85	20.79				
20	256QAM	1	49	18.91	18.96	18.88			20	3
20	256QAM	1	99	18.86	18.91	18.82				
20	256QAM	50	24	18.97	19.01	18.96			20	3
20	256QAM	50	90	18.89	18.95	18.88				
20	256QAM	100	0	18.89	18.95	18.88				

Band 66 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPR (dB)	
Channel	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 4 Freq.	Turn-up (dB)	MPR (dB)
20	QPSK	1	0	22.62	22.59	22.84				
20	QPSK	1	9	22.65	22.72	22.81			24.5	0
20	QPSK	1	18	22.67	22.74	22.80				
20	QPSK	1	27	22.68	22.75	22.81				
20	QPSK	50	0	21.77	21.83	21.73				
20	QPSK	100	0	21.69	21.76	21.67			23.5	1
20	16QAM	1	49	21.67	21.75	21.63				
20	16QAM	1	99	21.66	21.70	21.62				
20	16QAM	1	149	21.65	21.69	21.67				
20	16QAM	1	199	21.65	21.69	21.67				
20	16QAM	50	24	20.84	20.76	20.86			22.5	2
20	16QAM	50	90	20.84	20.76	20.86				
20	16QAM	100	0	20.86	20.71	20.81				
20	64QAM	1	49	20.84	20.89	20.81			22.5	2
20	64QAM	1	99	20.84	20.89	20.81				
20	64QAM	50	24	19.70	19.76	19.81			21.5	3
20	64QAM	50	90	19.66	19.89	19.68				
20	64QAM	100	0	19.59	19.70	19.81				
20	256QAM	1	49	17.63	17.69	17.66			19.5	5
20	256QAM	1	99	17.66	17.75	17.66				
20	256QAM	50	24	17.54	17.64	17.58			19.5	5
20	256QAM	50	90	17.58	17.67	17.62				
20	256QAM	100	0	17.58	17.67	17.62				



Band 38 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.46	23.55	23.41	25	0	
20	QPSK	1	49	23.39	23.42	23.36			
20	QPSK	1	99	23.42	23.48	23.44			
20	QPSK	50	0	22.44	22.51	22.47			
20	QPSK	50	24	22.48	22.48	22.54	24	1	
20	QPSK	50	50	22.47	22.57	22.51			
20	QPSK	100	0	22.45	22.58	22.42			
20	16QAM	1	0	22.52	22.63	22.50			
20	16QAM	1	49	21.41	21.50	21.48	24	1	
20	16QAM	1	99	22.38	22.44	22.47			
20	16QAM	50	0	21.39	21.59	21.48			
20	16QAM	50	24	21.37	21.49	21.48	23	2	
20	16QAM	50	50	21.44	21.54	21.47			
20	16QAM	100	0	21.41	21.50	21.48			
20	64QAM	1	0	21.53	21.59	21.57			
20	64QAM	1	49	21.34	21.45	21.45	23	2	
20	64QAM	1	99	21.39	21.54	21.41			
20	64QAM	50	0	20.42	20.57	20.44			
20	64QAM	50	24	20.44	20.54	20.50	22	3	
20	64QAM	50	50	20.43	20.48	20.42			
20	64QAM	100	0	20.42	20.51	20.38			
20	256QAM	1	0	18.37	18.47	18.38			
20	256QAM	1	49	18.39	18.51	18.45	20	5	
20	256QAM	1	99	18.42	18.49	18.47			
20	256QAM	50	0	18.35	18.56	18.48			
20	256QAM	50	24	18.41	18.47	18.47	20	5	
20	256QAM	50	50	18.44	18.45	18.40			
20	256QAM	100	0	18.39	18.51	18.37			
Channel				37825	38000	38175			
Frequency (MHz)				25775	2595	2613			
15	QPSK	1	0	23.38	23.49	23.29	25	0	
15	QPSK	1	37	23.28	23.33	23.31			
15	QPSK	1	74	23.29	23.40	23.39			
15	QPSK	36	0	22.35	22.54	22.37			
15	QPSK	36	20	22.41	22.38	22.43	24	1	
15	QPSK	36	39	22.42	22.42	22.42			
15	QPSK	75	0	22.34	22.53	22.35			
15	16QAM	1	0	22.48	22.56	22.45			
15	16QAM	1	37	22.34	22.36	22.32	24	1	
15	16QAM	1	74	22.28	22.32	22.40			
15	16QAM	36	0	21.31	21.34	21.37			
15	16QAM	36	20	21.27	21.40	21.38	23	2	
15	16QAM	36	39	21.38	21.50	21.42			
15	16QAM	75	0	21.27	21.45	21.38			
15	64QAM	1	0	21.39	21.55	21.51			
15	64QAM	1	37	21.28	21.33	21.37	23	2	
15	64QAM	1	74	21.31	21.40	21.34			
15	64QAM	36	0	20.33	20.48	20.36			
15	64QAM	36	20	20.39	20.46	20.41	22	3	
15	64QAM	36	39	20.34	20.41	20.30			
15	64QAM	75	0	20.28	20.39	20.24			
15	256QAM	1	0	18.25	18.42	18.28			
15	256QAM	1	37	18.32	18.48	18.42	20	5	
15	256QAM	1	74	18.29	18.35	18.40			
15	256QAM	36	0	18.27	18.53	18.37			
15	256QAM	36	20	18.34	18.41	18.41	20	5	
15	256QAM	36	39	18.40	18.33	18.26			
15	256QAM	75	0	18.34	18.46	18.33			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.40	23.46	23.29	25	0	
10	QPSK	1	25	23.27	23.30	23.26			
10	QPSK	1	49	23.28	23.40	23.33			
10	QPSK	25	0	22.41	22.38	22.40			
10	QPSK	25	12	22.42	22.37	22.39	24	1	
10	QPSK	25	25	22.44	22.52	22.48			
10	QPSK	50	0	22.32	22.52	22.31			
10	16QAM	1	0	22.46	22.55	22.39	24	1	
10	16QAM	1	25	22.26	22.36	22.37			
10	16QAM	1	49	22.31	22.30	22.33			
10	16QAM	25	0	21.28	21.54	21.40			
10	16QAM	25	12	21.24	21.38	21.37	23	2	
10	16QAM	25	25	21.40	21.48	21.39			
10	16QAM	50	0	21.43	21.37	21.41			
10	64QAM	1	0	21.43	21.52	21.50			
10	64QAM	1	25	21.29	21.33	21.33	23	2	
10	64QAM	1	49	21.33	21.45	21.32			
10	64QAM	25	0	20.32	20.46	20.29	22	3	
10	64QAM	25	12	20.30	20.51	20.45			
10	64QAM	25	25	20.34	20.44	20.34			
10	64QAM	50	0	20.27	20.41	20.25			
10	256QAM	1	0	18.28	18.37	18.27			
10	256QAM	1	25	18.30	18.37	18.31	20	5	
10	256QAM	1	49	18.30	18.39	18.41			
10	256QAM	25	0	18.20	18.43	18.38			
10	256QAM	25	12	18.25	18.33	18.34	20	5	
10	256QAM	25	25	18.29	18.34	18.30			
10	256QAM	50	0	18.34	18.40	18.32			
Channel				37775	38000	38225			
Frequency (MHz)				22725	2595	26175			
5	QPSK	1	0	23.42	23.46	23.30	25	0	
5	QPSK	1	12	23.34	23.36	23.24			
5	QPSK	1	24	23.28	23.38	23.30			
5	QPSK	12	0	22.34	22.50	22.38			
5	QPSK	12	7	22.37	22.37	22.50	24	1	
5	QPSK	12	13	22.42	22.50	22.37			
5	QPSK	25	0	22.38	22.50	22.34			
5	16QAM	1	0	22.45	22.57	22.37			
5	16QAM	1	12	22.34	22.42	22.36	24	1	
5	16QAM	1	24	22.32	22.36	22.37			
5	16QAM	12	0	21.24	21.52	21.42			
5	16QAM	12	7	21.26	21.35	21.44	23	2	
5	16QAM	12	13	21.33	21.45	21.41			
5	16QAM	25	0	21.26	21.46	21.33			
5	64QAM	1	0	21.45	21.46	21.54			
5	64QAM	1	12	21.21	21.37	21.30	23	2	
5	64QAM	1	24	21.28	21.49	21.33			
5	64QAM	12	0	20.31	20.48	20.32			
5	64QAM	12	7	20.33	20.39	20.42	22	3	
5	64QAM	12	13	20.40	20.41	20.29			
5	64QAM	25	0	20.28	20.39	20.25			
5	256QAM	1	0	18.27	18.42	18.30			
5	256QAM	1	12	18.26	18.37	18.39	20	5	
5	256QAM	1	24	18.38	18.45	18.44			
5	256QAM	12	0	18.27	18.45	18.37			
5	256QAM	12	7	18.28	18.39	18.38	20	5	
5	256QAM	12	13	18.33	18.41	18.30			
5	256QAM	25	0	18.33	18.40	18.32			

Band 41 Ant4 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2506	2549.5	2593			
20	QPSK	1	0	23.72	23.63	23.77	24.5	0	
20	QPSK	1	49	23.57	23.64	23.67			
20	QPSK	1	99	23.71	23.62	23.74			
20	QPSK	50	0	22.62	22.54	22.67			
20	QPSK	50	24	22.60	22.52	22.63	24	0.5	
20	QPSK	50	50	22.43	22.53	22.56			
20	QPSK	100	0	22.52	22.41	22.62			
20	16QAM	1	0	22.56	22.52	22.67			
20	16QAM	1	49	22.48	22.39	22.55	24	0.5	
20	16QAM	1	99	22.40	22.48	22.55			
20	16QAM	50	0	21.60	21.43	21.64			
20	16QAM	50	24	21.40	21.52	21.52	23	1.5	
20	16QAM	50	50	21.48	21.47	21.59			
20	16QAM	100	0	21.53	21.50	21.56			
20	64QAM	1	0	21.60	21.56	21.70			





**GSM1900 AntS Default**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1102.2	1103	1103.8	30.00	18.02	18.03	18.03	21.00
GSM 1 Tx slot	28.48	28.53	28.49	30.00	19.48	19.53	19.49	21.00
GPRS 1 Tx slot	28.41	28.40	28.38	30.00	19.41	19.40	19.38	21.00
GPRS 2 Tx slots	25.11	25.16	25.27	27.00	19.11	19.16	19.27	21.00
GPRS 3 Tx slots	23.22	23.27	23.30	25.00	18.96	19.01	19.04	20.74
GPRS 4 Tx slots	22.89	22.71	22.87	23.00	19.89	19.73	19.87	21.00
EDGE 1 Tx slot	24.08	24.26	24.12	28.00	15.08	15.26	15.12	17.00
EDGE 2 Tx slots	21.15	21.18	21.07	23.00	15.15	15.18	15.07	17.00
EDGE 3 Tx slots	18.11	18.16	18.27	21.00	14.85	14.93	15.01	16.74
EDGE 4 Tx slots	18.05	18.20	18.11	20.00	15.05	15.20	15.11	17.00

**WCDMA II AntS Default**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9862	9800	9938	1537	1638	1738		
Frequency (MHz)	1852.4	1838	1831.6	1742.4	1732	1722.8		
3GPP Rel 99 RMC 12.2kops	23.44	23.53	23.41	24.50	23.42	23.51	23.46	
3GPP Rel 99 RMC 12.2kops	23.56	23.61	23.50	24.50	23.51	23.60	23.57	
3GPP Rel 6 HSDPA Subtest-1	22.26	22.54	22.44	23.50	22.43	22.54	22.30	
3GPP Rel 6 HSDPA Subtest-2	22.35	22.56	22.39	23.50	22.46	22.56	22.35	
3GPP Rel 6 HSDPA Subtest-3	21.93	21.99	21.97	23.00	22.03	21.98	21.85	
3GPP Rel 6 HSDPA Subtest-4	21.87	22.02	21.93	23.00	22.00	22.08	21.89	
3GPP Rel 6 DCHSDPA Subtest-1	22.34	22.61	22.50	23.50	22.44	22.57	22.23	
3GPP Rel 6 DCHSDPA Subtest-2	22.44	22.54	22.35	23.50	22.40	22.55	22.45	
3GPP Rel 6 DCHSDPA Subtest-3	21.86	21.99	21.81	23.00	21.89	22.02	21.77	
3GPP Rel 6 DCHSDPA Subtest-4	21.83	22.09	22.00	23.00	22.08	22.00	21.86	
3GPP Rel 6 HSUPA Subtest-1	22.22	22.45	22.53	23.50	22.51	22.49	22.29	
3GPP Rel 6 HSUPA Subtest-2	20.31	20.59	20.43	21.50	20.41	20.42	20.37	
3GPP Rel 6 HSUPA Subtest-3	21.30	21.59	21.38	22.50	21.37	21.61	21.36	
3GPP Rel 6 HSUPA Subtest-4	20.29	20.61	20.50	21.50	20.53	20.55	20.31	
3GPP Rel 6 HSUPA Subtest-5	22.36	22.55	22.37	23.50	22.29	22.52	22.36	
3GPP Rel 7 HSPA (HSPA) Subtest-1	19.74	20.01	19.90	21.00	19.89	19.90	19.74	



Band 4 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	APR (dB)	
Channel									
1700 1705 1745									
20	QPSK	1	0	23.94	24.02	23.92			
20	QPSK	1	49	23.97	23.93	23.91	25	0	
20	QPSK	1	99	23.87	23.93	23.91			
20	QPSK	50	0	22.76	22.95	22.79			
20	QPSK	50	24	22.72	22.82	22.81	24	1	
20	QPSK	50	50	22.72	22.82	22.81			
20	QPSK	100	0	22.72	22.91	22.75			
20	HQAM	100	0	21.90	21.92	21.94	24	1	
20	HQAM	1	49	22.94	23.07	22.95			
20	HQAM	1	99	22.98	23.07	23.02			
20	HQAM	50	0	21.87	21.92	21.97			
20	HQAM	50	24	21.90	21.96	21.90	23	2	
20	HQAM	50	50	21.90	21.96	21.90			
20	HQAM	100	0	21.84	21.98	21.95			
20	HQAM	1	49	21.96	22.01	21.95	23	2	
20	HQAM	1	99	21.98	22.01	21.97			
20	HQAM	50	0	20.91	21.02	20.97			
20	HQAM	50	24	20.79	20.91	20.94	22	3	
20	HQAM	50	50	20.84	20.98	20.90			
20	HQAM	100	0	20.82	20.95	20.94			
20	HQAM	1	49	18.88	18.97	18.92			
20	HQAM	1	99	18.88	18.94	18.89	20	5	
20	HQAM	50	0	18.85	18.96	18.88			
20	HQAM	50	24	18.85	18.96	18.88	20	5	
20	HQAM	50	50	18.78	18.90	18.88			
20	HQAM	100	0	18.82	18.93	18.91			
Channel									
2005 2015 2035									
1717.5 1722.5 1747.5									
15	QPSK	1	0	23.92	23.95	23.83			
15	QPSK	1	37	23.78	23.83	23.86	25	0	
15	QPSK	1	74	23.74	23.79	23.78			
15	QPSK	36	0	22.62	22.80	22.67			
15	QPSK	36	20	22.72	22.74	22.73	24	1	
15	QPSK	36	39	22.65	22.74	22.69			
15	QPSK	75	0	22.66	22.82	22.68			
15	QPSK	1	0	22.85	23.02	23.01			
15	HQAM	1	37	22.80	22.97	22.83	24	1	
15	HQAM	1	74	22.85	22.98	22.90			
15	HQAM	36	0	21.73	21.92	21.83			
15	HQAM	36	20	21.77	21.82	21.83	23	2	
15	HQAM	39	0	21.82	21.96	21.88			
15	HQAM	75	0	21.83	21.94	21.78			
15	HQAM	1	0	21.89	22.02	21.93			
15	HQAM	1	37	21.89	21.97	21.94	23	2	
15	HQAM	1	74	21.89	21.94	21.90			
15	HQAM	36	0	20.81	20.87	20.72			
15	HQAM	36	20	20.73	20.78	20.80	22	3	
15	HQAM	39	0	20.78	20.84	20.81			
15	HQAM	75	0	20.77	20.81	20.77			
15	HQAM	1	0	18.83	18.92	18.88			
15	HQAM	1	37	18.77	18.83	18.78	20	5	
15	HQAM	1	74	18.77	18.82	18.86			
15	HQAM	36	0	18.74	18.85	18.80			
15	HQAM	36	20	18.76	18.77	18.74	20	5	
15	HQAM	39	0	18.84	18.87	18.80			
15	HQAM	75	0	18.82	18.93	18.89			
Channel									
2005 2015 2035									
1717.5 1722.5 1747.5									
10	QPSK	1	0	23.92	23.95	23.83			
10	QPSK	1	25	23.75	23.87	23.81	25	0	
10	QPSK	1	49	23.82	23.82	23.77			
10	QPSK	12	0	22.72	22.84	22.77			
10	QPSK	25	12	22.74	22.87	22.78	24	1	
10	QPSK	25	25	22.63	22.79	22.73			
10	QPSK	50	0	22.66	22.82	22.68			
10	QPSK	1	0	22.85	22.99	22.94			
10	HQAM	1	25	22.86	22.94	22.84	24	1	
10	HQAM	1	49	22.85	22.98	22.89			
10	HQAM	25	0	21.73	21.92	21.75			
10	HQAM	25	12	21.84	21.91	21.88	23	2	
10	HQAM	25	25	21.78	21.86	21.84			
10	HQAM	50	0	21.76	21.84	21.73			
10	HQAM	1	0	21.89	21.98	21.94			
10	HQAM	1	25	21.89	21.96	21.94	23	2	
10	HQAM	1	49	21.82	21.94	21.90			
10	HQAM	25	0	20.81	20.90	20.78			
10	HQAM	25	12	20.78	20.77	20.84	22	3	
10	HQAM	25	25	20.80	20.83	20.75			
10	HQAM	50	0	20.78	20.81	20.72			
10	HQAM	1	0	18.83	18.92	18.88			
10	HQAM	1	25	18.74	18.80	18.85	20	5	
10	HQAM	1	49	18.86	18.82	18.79			
10	HQAM	25	0	18.78	18.90	18.84			
10	HQAM	25	12	18.80	18.73	18.73	20	5	
10	HQAM	25	25	18.74	18.83	18.78			
10	HQAM	50	0	18.69	18.78	18.88			
Channel									
1997.5 2017.5 2037.5									
1742.5 1752.5 1762.5									
5	QPSK	1	0	23.83	23.82	23.85			
5	QPSK	1	12	23.77	23.82	23.83	25	0	
5	QPSK	1	24	23.72	23.80	23.80			
5	QPSK	12	0	22.65	22.87	22.80			
5	QPSK	12	7	22.71	22.75	22.81	24	1	
5	QPSK	12	13	22.69	22.75	22.75			
5	QPSK	25	0	22.65	22.77	22.76			
5	HQAM	1	0	22.97	23.06	22.94			
5	HQAM	1	12	22.88	22.96	22.91	24	1	
5	HQAM	1	24	22.85	22.94	22.84			
5	HQAM	12	0	21.81	21.94	21.78			
5	HQAM	12	7	21.78	21.84	21.81	23	2	
5	HQAM	12	13	21.84	21.86	21.84			
5	HQAM	25	0	21.81	21.92	21.83			
5	HQAM	1	0	21.89	21.95	21.92			
5	HQAM	1	12	21.84	21.91	21.91	23	2	
5	HQAM	1	24	21.86	21.97	21.89			
5	HQAM	12	0	20.79	20.93	20.78			
5	HQAM	12	7	20.68	20.83	20.87	22	3	
5	HQAM	12	13	20.80	20.75	20.79			
5	HQAM	25	0	20.78	20.87	20.77			
5	HQAM	1	0	18.78	18.88	18.80			
5	HQAM	1	12	18.73	18.88	18.74	20	5	
5	HQAM	1	24	18.74	18.76	18.86			
5	HQAM	12	0	18.71	18.92	18.79			
5	HQAM	12	7	18.62	18.75	18.71	20	5	
5	HQAM	12	13	18.68	18.84	18.81			
5	HQAM	25	0	18.78	18.80	18.83			
Channel									
1996.5 2017.5 2036.5									
1742.5 1752.5 1762.5									
1.4	QPSK	1	0	23.84	23.89	23.87			
1.4	QPSK	1	3	23.77	23.83	23.89	25	0	
1.4	QPSK	1	14	23.81	23.84	23.80			
1.4	QPSK	3	0	22.68	22.82	22.67			
1.4	QPSK	3	4	22.73	22.70	22.83	24	1	
1.4	QPSK	3	8	22.65	22.78	22.73			
1.4	QPSK	15	0	22.69	22.84	22.67			
1.4	HQAM	1	0	22.95	23.04	22.91			
1.4	HQAM	1	8	22.85	22.96	22.90	24	1	
1.4	HQAM	1	14	22.87	22.98	22.88			
1.4	HQAM	3	0	21.83	21.93	21.73			
1.4	HQAM	3	4	21.79	21.83	21.78	23	2	
1.4	HQAM	3	7	21.75	21.86	21.74			
1.4	HQAM	15	0	21.84	21.91	21.72			
1.4	HQAM	1	0	21.84	21.90	21.90			
1.4	HQAM	1	8	21.87	21.95	21.88	23	2	
1.4	HQAM	1	14	21.82	21.98	21.84			
1.4	HQAM	3	0	20.80	20.96	20.77			
1.4	HQAM	3	4	20.76	20.86	20.85	22	3	
1.4	HQAM	3	7	20.75	20.81	20.81			
1.4	HQAM	15	0	18.78	18.92	18.77			
1.4	HQAM	1	0	18.84	18.92	18.77			
1.4	HQAM	1	8	18.73	18.89	18.85	20	5	
1.4	HQAM	1	14	18.68	18.74	18.81			
1.4	HQAM	3	0	18.71	18.87	18.81			
1.4	HQAM	3	4	18.70	18.78	18.82	20	5	
1.4	HQAM	3	7	18.65	18.76	18.74			
1.4	HQAM	15	0	18.67	18.77	18.83			
Channel									
1996.7 2017.7 2036.7									
1742.7 1752.7 1762.7									
1.4	QPSK	1	0	23.80	23.89	23.87			
1.4	QPSK	1	3	23.84	23.80	23.89	25	0	
1.4	QPSK	1	5	23.75	23.86	23.82			
1.4	QPSK	3	0	22.68	22.81	22.71			
1.4	QPSK	3	1	22.75	22.69	23.76	24	1	
1.4	QPSK	3	5	22.63	22.70	22.71			
1.4	QPSK	6	0	22.62	22.83	22.67			
1.4	HQAM	1	0	22.89	22.99	22.90			
1.4	HQAM	1	3	22.84	22.93	22.89	24	1	
1.4	HQAM	1	5	22.82	22.93	22.82			
1.4	HQAM	3	0	22.85	22.92	22.86			
1.4	HQAM	3	1	22.85	22.91	22.79			
1.4	HQAM	6	0	21.79	21.86	21.78	23	2	
1.4	HQAM	1	0	21.82	21.96	21.81			
1.4	HQAM	1	3	21.74	21.79	21.81	23	2	
1.4	HQAM	1	5	21.75	21.75	21.87			
1.4	HQAM	3	0	20.71	20.93	20.74	22	3	
1.4	HQAM	1	0	18.83	18.90	18.83			
1.4	HQAM	1	3	18.74	18.81	18.78			
1.4	HQAM	1	5	18.73	18.7				



Band 38 Ant5 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	23.77	23.82	23.73	24.5	0				
20	QPSK	1	49	23.85	23.73	23.84						
20	QPSK	1	99	23.83	23.75	23.73						
20	QPSK	50	0	22.64	22.85	22.74	23.5	1				
20	QPSK	50	24	22.67	22.71	22.77						
20	QPSK	50	50	22.63	22.71	22.71						
20	QPSK	100	0	22.63	22.81	22.72	23.5	1				
20	16QAM	1	0	22.77	22.78	22.81						
20	16QAM	1	49	22.84	22.76	22.73						
20	16QAM	1	99	22.67	22.73	22.72	22.5	2				
20	16QAM	50	0	21.67	21.81	21.68						
20	16QAM	50	24	21.62	21.68	21.72						
20	16QAM	50	50	21.61	21.76	21.74	22.5	2				
20	16QAM	100	0	21.60	21.70	21.67						
20	64QAM	1	0	21.78	21.79	21.76						
20	64QAM	1	49	21.64	21.73	21.70	22.5	2				
20	64QAM	1	99	21.59	21.69	21.63						
20	64QAM	50	0	20.58	20.79	20.70						
20	64QAM	50	24	20.60	20.67	20.65	21.5	3				
20	64QAM	50	50	20.66	20.67	20.62						
20	64QAM	100	0	20.60	20.67	20.67						
20	256QAM	1	0	18.62	18.77	18.74	19.5	5				
20	256QAM	1	49	18.89	18.71	18.67						
20	256QAM	1	99	18.63	18.69	18.65						
20	256QAM	50	0	18.81	18.82	18.87	19.5	5				
20	256QAM	50	24	18.89	18.71	18.70						
20	256QAM	50	50	18.60	18.78	18.64						
20	256QAM	100	0	18.64	18.74	18.65	19.5	5				
Channel				37825	38000	38175						
Frequency (MHz)				25775	2592	2592.5						
15	QPSK	1	0	23.70	23.75	23.66	24.5	0				
15	QPSK	1	37	23.52	23.58	23.54						
15	QPSK	1	74	23.54	23.70	23.66						
15	QPSK	36	0	22.59	22.73	22.84	23.5	1				
15	QPSK	36	20	22.62	22.58	22.69						
15	QPSK	36	39	22.57	22.56	22.59						
15	QPSK	75	0	22.50	22.76	22.69	23.5	1				
15	16QAM	1	0	22.64	22.75	22.73						
15	16QAM	1	37	22.58	22.70	22.80						
15	16QAM	1	74	22.60	22.69	22.61	22.5	2				
15	16QAM	36	0	21.53	21.71	21.59						
15	16QAM	36	20	21.51	21.54	21.68						
15	16QAM	36	39	21.50	21.69	21.70	22.5	2				
15	16QAM	75	0	21.55	21.82	21.57						
15	16QAM	1	0	21.64	21.76	21.68						
15	16QAM	1	37	21.56	21.63	21.67	22.5	2				
15	16QAM	1	74	21.54	21.60	21.48						
15	16QAM	36	0	20.53	20.75	20.59						
15	16QAM	36	20	20.49	20.60	20.52	21.5	3				
15	16QAM	36	39	20.53	20.54	20.48						
15	16QAM	75	0	20.55	20.56	20.62						
15	256QAM	1	0	18.49	18.71	18.63	19.5	5				
15	256QAM	1	37	18.61	18.60	18.57						
15	256QAM	1	74	18.59	18.56	18.60						
15	256QAM	36	0	18.50	18.73	18.52	19.5	5				
15	256QAM	36	20	18.57	18.63	18.59						
15	256QAM	36	39	18.47	18.72	18.53						
15	256QAM	75	0	18.49	18.62	18.58	19.5	5				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	23.62	23.67	23.63	24.5	0				
10	QPSK	1	25	23.52	23.68	23.54						
10	QPSK	1	49	23.46	23.95	23.63						
10	QPSK	25	0	22.51	22.79	22.70	23.5	1				
10	QPSK	25	12	22.64	22.63	22.72						
10	QPSK	25	25	22.51	22.85	22.62						
10	QPSK	50	0	22.49	22.73	22.59	23.5	1				
10	16QAM	1	0	22.62	22.73	22.76						
10	16QAM	1	25	22.51	22.71	22.59						
10	16QAM	1	49	22.52	22.60	22.63	22.5	2				
10	16QAM	25	0	21.58	21.67	21.55						
10	16QAM	25	12	21.48	21.59	21.57						
10	16QAM	25	25	21.53	21.65	21.63	22.5	2				
10	16QAM	50	0	21.55	21.80	21.56						
10	16QAM	1	0	21.74	21.69	21.66						
10	64QAM	1	25	21.53	21.64	21.59	22.5	2				
10	64QAM	1	49	21.47	21.56	21.59						
10	64QAM	25	0	20.48	20.67	20.62						
10	64QAM	25	12	20.56	20.59	20.58	21.5	3				
10	64QAM	25	25	20.61	20.58	20.51						
10	64QAM	50	0	20.49	20.59	20.56						
10	256QAM	1	0	18.53	18.68	18.69	19.5	5				
10	256QAM	1	25	18.61	18.57	18.62						
10	256QAM	1	49	18.53	18.58	18.55						
10	256QAM	25	0	18.47	18.75	18.59	19.5	5				
10	256QAM	25	12	18.63	18.65	18.61						
10	256QAM	25	25	18.47	18.64	18.59						
10	256QAM	50	0	18.58	18.69	18.59	19.5	5				
Channel				37775	38000	38225						
Frequency (MHz)				25725	2595	2617.5						
5	QPSK	1	0	23.66	23.69	23.61	24.5	0				
5	QPSK	1	12	23.60	23.66	23.56						
5	QPSK	1	24	23.56	23.62	23.70						
5	QPSK	12	0	22.56	22.71	22.66	23.5	1				
5	QPSK	12	7	22.54	22.65	22.71						
5	QPSK	12	13	22.52	22.62	22.59						
5	QPSK	25	0	22.57	22.69	22.60	23.5	1				
5	16QAM	1	0	22.65	22.74	22.72						
5	16QAM	1	12	22.57	22.65	22.62						
5	16QAM	1	24	22.59	22.66	22.59	22.5	2				
5	16QAM	12	0	21.53	21.74	21.55						
5	16QAM	12	7	21.47	21.62	21.66						
5	16QAM	12	13	21.57	21.70	21.66	22.5	2				
5	16QAM	25	0	21.48	21.61	21.59						
5	64QAM	1	0	21.68	21.75	21.61						
5	64QAM	1	12	21.50	21.59	21.63	22.5	2				
5	64QAM	1	24	21.52	21.57	21.49						
5	64QAM	12	0	20.54	20.72	20.59						
5	64QAM	12	7	20.53	20.53	20.58	21.5	3				
5	64QAM	12	13	20.61	20.55	20.56						
5	64QAM	25	0	20.54	20.54	20.63						
5	256QAM	1	0	18.52	18.66	18.66	19.5	5				
5	256QAM	1	12	18.55	18.61	18.53						
5	256QAM	1	24	18.49	18.54	18.61						
5	256QAM	12	0	18.47	18.72	18.57	19.5	5				
5	256QAM	12	7	18.57	18.58	18.56						
5	256QAM	12	13	18.54	18.65	18.58						
5	256QAM	25	0	18.58	18.64	18.55	19.5	5				

Band 41 Ant5 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.65	23.73	23.89	23.85	23.83	24.5	0		
20	QPSK	1	49	23.61	23.70	23.84	23.72	23.76				
20	QPSK	1	99	23.60	23.73	23.82	23.76	23.74				
20	QPSK	50	0	22.63	22.65	22.83	22.88	22.76	23.5	1		
20	QPSK	50	24	22.50	22.63	22.73	22.74	22.62				
20	QPSK	50	50	22.48	22.66	22.69	22.66	22.65				
20	QPSK	100	0	22.54	22.62	22.79	22.66	22.74	23.5	1		
20	16QAM	1	0	22.61	22.77	22.86	22.78	22.82				
20	16QAM	1	49	22.66	22.69	22.67	22.74	22.53				
20	16QAM	1	99	22.52	22.65	22.78	22.73	22.64	22.5	2		
20	16QAM	50	0	21.63	21.64	21.88	21.75	21.74				
20	16QAM	50	24	21.59	21.73	21.75	21.68	21.65				



Band 42 FCC Part27Q Ant9 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.05	21.16	21.08	22.2	0	
20	QPSK	1	49	20.97	21.11	21.04			
20	QPSK	1	99	21.00	21.08	20.95			
20	QPSK	50	0	21.05	21.12	21.00	22.2	0	
20	QPSK	50	24	20.96	21.02	20.91			
20	QPSK	50	50	20.85	21.06	20.92			
20	QPSK	100	0	21.01	21.08	20.98	22.2	0	
20	16QAM	1	0	21.00	21.11	21.06			
20	16QAM	1	49	20.93	21.02	20.90			
20	16QAM	1	99	20.97	21.08	20.96	22.2	0	
20	16QAM	50	0	21.00	21.13	21.03			
20	16QAM	50	24	21.01	21.05	20.96			
20	16QAM	50	50	21.05	21.09	21.03	22.2	0	
20	16QAM	100	0	21.05	21.15	21.06			
20	84QAM	1	0	21.04	21.08	21.02			
20	84QAM	1	49	21.00	21.13	21.04	22.2	0	
20	84QAM	1	99	20.96	21.05	20.92			
20	84QAM	50	0	21.06	21.11	21.02			
20	84QAM	50	24	21.00	21.15	21.03	22.2	0	
20	84QAM	50	50	20.96	21.02	20.94			
20	84QAM	100	0	21.04	21.13	21.07			
20	256QAM	1	0	19.22	19.45	19.29	20.7	1.5	
20	256QAM	1	49	19.21	19.44	19.29			
20	256QAM	1	99	19.32	19.34	19.34			
20	256QAM	50	0	19.31	19.49	19.31	20.7	1.5	
20	256QAM	50	24	19.28	19.37	19.30			
20	256QAM	50	50	19.22	19.35	19.25			
20	256QAM	100	0	19.25	19.35	19.34			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.93	21.05	20.97	22.2	0	
15	QPSK	1	37	20.92	21.03	20.90			
15	QPSK	1	74	20.94	21.03	20.82			
15	QPSK	36	0	20.96	21.07	20.95	22.2	0	
15	QPSK	36	20	20.88	20.88	20.87			
15	QPSK	36	39	20.83	20.98	20.82			
15	QPSK	75	0	20.88	20.96	20.84	22.2	0	
15	16QAM	1	0	20.86	21.03	20.99			
15	16QAM	1	37	20.85	20.91	20.80			
15	16QAM	1	74	20.84	21.04	20.84	22.2	0	
15	16QAM	36	0	20.91	21.02	20.94			
15	16QAM	36	20	20.89	20.98	20.88			
15	16QAM	36	39	21.00	21.05	20.90	22.2	0	
15	16QAM	75	0	20.88	21.06	20.97			
15	84QAM	1	0	20.96	21.02	20.96			
15	84QAM	1	37	20.89	21.00	20.94	22.2	0	
15	84QAM	1	74	20.86	20.91	20.80			
15	84QAM	36	0	20.92	21.06	20.87			
15	84QAM	36	20	20.84	21.01	20.94	22.2	0	
15	84QAM	36	39	20.82	20.93	20.85			
15	84QAM	75	0	20.92	21.09	20.95			
15	256QAM	1	0	19.08	19.42	19.15	20.7	1.5	
15	256QAM	1	37	19.13	19.31	19.19			
15	256QAM	1	74	19.18	19.21	19.24			
15	256QAM	36	0	19.19	19.34	19.17	20.7	1.5	
15	256QAM	36	20	19.13	19.32	19.19			
15	256QAM	36	39	19.09	19.31	19.17			
15	256QAM	75	0	19.13	19.28	19.29			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.88	21.06	21.04	22.2	0	
10	QPSK	1	25	20.92	21.05	21.01			
10	QPSK	1	49	20.95	21.03	20.97			
10	QPSK	25	0	20.98	20.98	20.94	22.2	0	
10	QPSK	25	12	20.83	20.92	20.82			
10	QPSK	25	25	20.90	20.94	20.80			
10	QPSK	50	0	20.91	20.99	20.84	22.2	0	
10	16QAM	1	0	20.87	20.97	20.94			
10	16QAM	1	25	20.91	20.96	20.85			
10	16QAM	1	49	20.84	21.02	20.87	22.2	0	
10	16QAM	25	0	20.90	20.98	20.90			
10	16QAM	25	12	20.83	21.01	20.90			
10	16QAM	25	25	20.88	21.05	20.90	22.2	0	
10	16QAM	50	0	20.93	21.12	21.02			
10	84QAM	1	0	20.98	20.97	20.88			
10	84QAM	1	25	20.86	21.05	20.96	22.2	0	
10	84QAM	1	49	20.91	21.02	20.87			
10	84QAM	25	0	21.00	20.96	20.94			
10	84QAM	25	12	20.89	21.11	20.89	22.2	0	
10	84QAM	25	25	20.83	20.89	20.85			
10	84QAM	50	0	20.93	21.07	21.04			
10	256QAM	1	0	19.08	19.42	19.22	20.7	1.5	
10	256QAM	1	25	19.07	19.40	19.16			
10	256QAM	1	49	19.19	19.24	19.19			
10	256QAM	25	0	19.26	19.37	19.17	20.7	1.5	
10	256QAM	25	12	19.23	19.30	19.20			
10	256QAM	25	25	19.08	19.28	19.12			
10	256QAM	50	0	19.10	19.23	19.30			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.95	21.07	20.94	22.2	0	
5	QPSK	1	12	20.86	20.97	20.97			
5	QPSK	1	24	20.97	21.03	20.86			
5	QPSK	12	0	20.88	21.07	20.88	22.2	0	
5	QPSK	12	7	20.89	20.94	20.85			
5	QPSK	12	13	20.89	20.91	20.85			
5	QPSK	25	0	20.93	20.90	20.92	22.2	0	
5	16QAM	1	0	20.91	21.00	20.93			
5	16QAM	1	12	20.79	20.88	20.79			
5	16QAM	1	24	20.90	21.03	20.87	22.2	0	
5	16QAM	12	0	20.96	21.09	21.00			
5	16QAM	12	7	20.90	20.97	20.85			
5	16QAM	12	13	20.96	20.96	20.92	22.2	0	
5	16QAM	25	0	20.95	21.05	20.91			
5	84QAM	1	0	20.88	20.99	20.88			
5	84QAM	1	12	20.94	21.00	20.97	22.2	0	
5	84QAM	1	24	20.89	20.91	20.88			
5	84QAM	12	0	21.02	20.96	20.97			
5	84QAM	12	7	20.93	21.04	20.93	22.2	0	
5	84QAM	12	13	20.91	20.92	20.79			
5	84QAM	25	0	20.88	21.03	20.96			
5	256QAM	1	0	19.19	19.31	19.20	20.7	1.5	
5	256QAM	1	12	19.07	19.35	19.18			
5	256QAM	1	24	19.21	19.22	19.28			
5	256QAM	12	0	19.19	19.37	19.27	20.7	1.5	
5	256QAM	12	7	19.16	19.34	19.25			
5	256QAM	12	13	19.15	19.25	19.20			
5	256QAM	25	0	19.13	19.20	19.29			



Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.95	19.08	18.90	19.7	0	
20	QPSK	1	49	18.90	19.04	18.94			
20	QPSK	1	99	18.82	18.95	18.81			
20	QPSK	50	0	18.92	19.05	18.85			
20	QPSK	50	24	18.97	19.01	18.97			
20	QPSK	50	50	18.85	18.98	18.90			
20	QPSK	100	0	18.97	19.00	18.89			
20	16QAM	1	0	18.84	18.89	18.75	19.7	0	
20	16QAM	1	49	18.85	18.97	18.94			
20	16QAM	1	99	18.87	18.93	18.87			
20	16QAM	50	0	18.88	19.02	18.95			
20	16QAM	50	24	18.86	18.99	18.94			
20	16QAM	50	50	18.83	18.95	18.87			
20	16QAM	100	0	18.91	19.00	18.93			
20	64QAM	1	0	18.93	18.97	18.88	19.7	0	
20	64QAM	1	49	18.97	19.03	18.97			
20	64QAM	1	99	18.79	18.90	18.75			
20	64QAM	50	0	18.84	18.95	18.82			
20	64QAM	50	24	18.86	18.99	18.92			
20	64QAM	50	50	18.86	18.99	18.92			
20	64QAM	100	0	18.98	19.02	18.93			
20	256QAM	1	0	18.83	18.93	18.82	19.7	0	
20	256QAM	1	49	18.88	18.98	18.89			
20	256QAM	1	99	18.81	18.89	18.86			
20	256QAM	50	0	18.97	19.01	18.94			
20	256QAM	50	24	18.85	18.90	18.79			
20	256QAM	50	50	18.87	18.94	18.79			
20	256QAM	100	0	18.84	18.97	18.90			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.88	19.02	18.75	19.7	0	
15	QPSK	1	37	18.84	19.01	18.81			
15	QPSK	1	74	18.68	18.83	18.68			
15	QPSK	36	0	18.87	18.94	18.73			
15	QPSK	36	20	18.89	18.87	18.93			
15	QPSK	36	39	18.75	18.85	18.84			
15	QPSK	75	0	18.92	18.87	18.83			
15	16QAM	1	0	18.77	18.84	18.71	19.7	0	
15	16QAM	1	37	18.77	18.86	18.88			
15	16QAM	1	74	18.81	18.84	18.80			
15	16QAM	36	0	18.85	18.94	18.86			
15	16QAM	36	20	18.78	18.85	18.83			
15	16QAM	36	39	18.79	18.88	18.75			
15	16QAM	75	0	18.80	18.88	18.80			
15	64QAM	1	0	18.88	18.83	18.82	19.7	0	
15	64QAM	1	37	18.84	18.92	18.90			
15	64QAM	1	74	18.69	18.85	18.63			
15	64QAM	36	0	18.76	18.92	18.75			
15	64QAM	36	20	18.77	18.92	18.79			
15	64QAM	36	39	18.89	18.92	18.84			
15	64QAM	75	0	18.93	18.93	18.86			
15	256QAM	1	0	18.72	18.84	18.74	19.7	0	
15	256QAM	1	37	18.92	18.89	18.86			
15	256QAM	1	74	18.73	18.82	18.74			
15	256QAM	36	0	18.88	18.93	18.91			
15	256QAM	36	20	18.70	18.84	18.66			
15	256QAM	36	39	18.75	18.80	18.68			
15	256QAM	75	0	18.90	18.90	18.81			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.91	18.94	18.78	19.7	0	
10	QPSK	1	25	18.85	18.97	18.91			
10	QPSK	1	49	18.69	18.87	18.67			
10	QPSK	25	0	18.89	19.02	18.75			
10	QPSK	25	12	18.89	18.93	18.84			
10	QPSK	25	25	18.75	18.91	18.76			
10	QPSK	50	0	18.93	18.95	18.77			
10	16QAM	1	0	18.75	18.80	18.69	19.7	0	
10	16QAM	1	25	18.72	18.87	18.83			
10	16QAM	1	49	18.82	18.79	18.82			
10	16QAM	25	0	18.88	18.92	18.92			
10	16QAM	25	12	18.72	18.86	18.87			
10	16QAM	25	25	18.78	18.85	18.82			
10	16QAM	50	0	18.82	18.93	18.90			
10	64QAM	1	0	18.91	18.93	18.76	19.7	0	
10	64QAM	1	25	18.93	18.88	18.90			
10	64QAM	1	49	18.70	18.85	18.69			
10	64QAM	25	0	18.72	18.86	18.68			
10	64QAM	25	12	18.72	18.95	18.84			
10	64QAM	25	25	18.86	18.93	18.91			
10	64QAM	50	0	18.84	18.92	18.88			
10	256QAM	1	0	18.69	18.85	18.75	19.7	0	
10	256QAM	1	25	18.83	18.90	18.83			
10	256QAM	1	49	18.71	18.77	18.81			
10	256QAM	25	0	18.82	18.96	18.86			
10	256QAM	25	12	18.92	18.77	18.69			
10	256QAM	25	25	18.77	18.83	18.67			
10	256QAM	50	0	18.69	18.91	18.82			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.85	18.98	18.77	19.7	0	
5	QPSK	1	12	18.79	18.91	18.84			
5	QPSK	1	24	18.67	18.86	18.72			
5	QPSK	12	0	18.86	18.91	18.71			
5	QPSK	12	7	18.90	18.90	18.82			
5	QPSK	12	13	18.73	18.85	18.84			
5	QPSK	25	0	18.85	18.86	18.66			
5	16QAM	1	0	18.79	18.83	18.64	19.7	0	
5	16QAM	1	12	18.81	18.90	18.80			
5	16QAM	1	24	18.79	18.85	18.80			
5	16QAM	12	0	18.86	18.97	18.85			
5	16QAM	12	7	18.91	18.86	18.90			
5	16QAM	12	13	18.73	18.87	18.82			
5	16QAM	25	0	18.88	18.88	18.69			
5	64QAM	1	0	18.87	18.82	18.79	19.7	0	
5	64QAM	1	12	18.91	18.99	18.89			
5	64QAM	1	24	18.65	18.85	18.60			
5	64QAM	12	0	18.70	18.90	18.68			
5	64QAM	12	7	18.73	18.93	18.85			
5	64QAM	12	13	18.90	18.89	18.87			
5	64QAM	25	0	18.92	18.93	18.85			
5	256QAM	1	0	18.69	18.81	18.68	19.7	0	
5	256QAM	1	12	18.77	18.88	18.81			
5	256QAM	1	24	18.68	18.80	18.75			
5	256QAM	12	0	18.90	18.92	18.81			
5	256QAM	12	7	18.76	18.87	18.73			
5	256QAM	12	13	18.79	18.86	18.69			
5	256QAM	25	0	18.71	18.84	18.76			



Band 42 FCC Part27Q Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.69	24.83	24.80	25.7	0	
20	QPSK	1	49	24.68	24.69	24.77			
20	QPSK	1	99	24.66	24.80	24.63			
20	QPSK	50	0	23.73	23.90	23.80	24.7	1	
20	QPSK	50	24	23.70	23.81	23.79			
20	QPSK	50	50	23.74	23.87	23.85			
20	QPSK	100	0	23.72	23.66	23.68	24.7	1	
20	16QAM	1	0	23.84	23.95	23.90			
20	16QAM	1	49	23.76	23.81	23.80			
20	16QAM	1	99	23.78	23.80	23.76	23.7	2	
20	16QAM	50	0	22.79	22.92	22.81			
20	16QAM	50	24	22.80	22.86	22.73			
20	16QAM	50	50	22.68	22.79	22.85	23.7	2	
20	16QAM	100	0	22.76	22.86	22.82			
20	64QAM	1	0	22.91	22.93	23.00			
20	64QAM	1	49	22.69	22.86	22.80	23.7	2	
20	64QAM	1	99	22.82	22.82	22.75			
20	64QAM	50	0	21.76	21.90	21.72			
20	64QAM	50	24	21.70	21.86	21.84	22.7	3	
20	64QAM	50	50	21.80	21.90	21.72			
20	64QAM	100	0	21.76	21.86	21.79			
20	256QAM	1	0	19.72	19.88	19.80	20.7	5	
20	256QAM	1	49	19.70	19.79	19.70			
20	256QAM	1	99	19.67	19.78	19.72			
20	256QAM	50	0	19.68	19.86	19.79	20.7	5	
20	256QAM	50	24	19.84	19.76	19.75			
20	256QAM	50	50	19.69	19.85	19.81			
20	256QAM	100	0	19.73	19.82	19.78			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.55	24.79	24.71	25.7	0	
15	QPSK	1	37	24.56	24.68	24.74			
15	QPSK	1	74	24.54	24.70	24.50			
15	QPSK	36	0	23.58	23.76	23.76	24.7	1	
15	QPSK	36	20	23.63	23.70	23.78			
15	QPSK	36	39	23.58	23.73	23.76			
15	QPSK	75	0	23.61	23.74	23.58	24.7	1	
15	16QAM	1	0	23.75	23.83	23.89			
15	16QAM	1	37	23.67	23.71	23.68			
15	16QAM	1	74	23.66	23.78	23.62	23.7	2	
15	16QAM	36	0	22.68	22.91	22.69			
15	16QAM	36	20	22.78	22.81	22.60			
15	16QAM	36	39	22.60	22.69	22.82	23.7	2	
15	16QAM	75	0	22.73	22.85	22.74			
15	64QAM	1	0	22.80	22.89	22.97			
15	64QAM	1	37	22.64	22.75	22.77	23.7	2	
15	64QAM	1	74	22.80	22.87	22.66			
15	64QAM	36	0	21.74	21.89	21.61			
15	64QAM	36	20	21.64	21.84	21.61	22.7	3	
15	64QAM	36	39	21.68	21.76	21.61			
15	64QAM	75	0	21.74	21.84	21.74			
15	256QAM	1	0	19.64	19.76	19.77	20.7	5	
15	256QAM	1	37	19.69	19.65	19.56			
15	256QAM	1	74	19.57	19.65	19.64			
15	256QAM	36	0	19.65	19.77	19.65	20.7	5	
15	256QAM	36	20	19.58	19.71	19.73			
15	256QAM	36	39	19.66	19.71	19.77			
15	256QAM	75	0	19.60	19.67	19.71			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.64	24.76	24.67	25.7	0	
10	QPSK	1	25	24.67	24.56	24.71			
10	QPSK	1	49	24.65	24.76	24.55			
10	QPSK	25	0	23.70	23.86	23.68	24.7	1	
10	QPSK	25	12	23.61	23.77	23.76			
10	QPSK	25	25	23.71	23.83	23.77			
10	QPSK	50	0	23.67	23.77	23.64	24.7	1	
10	16QAM	1	0	23.80	23.86	23.78			
10	16QAM	1	25	23.69	23.76	23.76			
10	16QAM	1	49	23.63	23.71	23.70	23.7	2	
10	16QAM	25	0	22.73	22.81	22.76			
10	16QAM	25	12	22.78	22.82	22.59			
10	16QAM	25	25	22.56	22.67	22.80	23.7	2	
10	16QAM	50	0	22.64	22.79	22.72			
10	64QAM	1	0	22.91	22.87	22.56			
10	64QAM	1	25	22.60	22.82	22.75	23.7	2	
10	64QAM	1	49	22.82	22.72	22.74			
10	64QAM	25	0	21.67	21.85	21.62			
10	64QAM	25	12	21.67	21.76	21.76	22.7	3	
10	64QAM	25	25	21.69	21.89	21.72			
10	64QAM	50	0	21.73	21.79	21.79			
10	256QAM	1	0	19.62	19.86	19.68	20.7	5	
10	256QAM	1	25	19.65	19.69	19.68			
10	256QAM	1	49	19.80	19.76	19.59			
10	256QAM	25	0	19.67	19.67	19.70	20.7	5	
10	256QAM	25	12	19.51	19.68	19.75			
10	256QAM	25	25	19.58	19.71	19.81			
10	256QAM	50	0	19.63	19.76	19.70			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.66	24.76	24.74	25.7	0	
5	QPSK	1	12	24.56	24.63	24.76			
5	QPSK	1	24	24.65	24.77	24.61			
5	QPSK	12	0	23.69	23.89	23.74	24.7	1	
5	QPSK	12	7	23.62	23.81	23.79			
5	QPSK	12	13	23.66	23.84	23.72			
5	QPSK	25	0	23.69	23.84	23.54	24.7	1	
5	16QAM	1	0	23.80	23.83	23.87			
5	16QAM	1	12	23.70	23.79	23.73			
5	16QAM	1	24	23.69	23.79	23.71	23.7	2	
5	16QAM	12	0	22.78	22.91	22.71			
5	16QAM	12	7	22.78	22.72	22.72			
5	16QAM	12	13	22.55	22.66	22.75	23.7	2	
5	16QAM	25	0	22.65	22.80	22.74			
5	64QAM	1	0	22.85	22.90	22.86			
5	64QAM	1	12	22.68	22.79	22.80	23.7	2	
5	64QAM	1	24	22.77	22.72	22.74			
5	64QAM	12	0	21.62	21.87	21.60			
5	64QAM	12	7	21.64	21.76	21.69	22.7	3	
5	64QAM	12	13	21.71	21.81	21.72			
5	64QAM	25	0	21.65	21.72	21.68			
5	256QAM	1	0	19.64	19.73	19.76	20.7	5	
5	256QAM	1	12	19.56	19.76	19.59			
5	256QAM	1	24	19.55	19.78	19.61			
5	256QAM	12	0	19.61	19.88	19.73	20.7	5	
5	256QAM	12	7	19.50	19.67	19.74			
5	256QAM	12	13	19.67	19.79	19.69			
5	256QAM	25	0	19.64	19.78	19.72			



## Reduced Power Mode for DSI 5

GSM850 Ant0 Default								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	854.2	856.4	858.6	33.50	23.41	23.52	23.47	24.50
GSM 1 Tx slot	32.41	32.52	32.47					
GPRS 1 Tx slot	32.33	32.49	32.44	33.50	23.33	23.49	23.44	24.50
GPRS 2 Tx slots	29.28	29.37	29.41	30.50	23.28	23.37	23.41	24.50
GPRS 3 Tx slots	27.47	27.51	27.58	28.50	23.21	23.25	23.32	24.24
GPRS 4 Tx slots	26.41	26.38	26.35	27.50	23.11	23.08	23.35	24.50
EDGE 1 Tx slot	26.25	26.09	26.30	27.50	17.25	17.09	17.30	18.50
EDGE 2 Tx slots	23.32	23.22	23.34	24.50	17.32	17.22	17.34	18.50
EDGE 3 Tx slots	21.62	21.58	21.45	22.50	17.36	17.30	17.19	18.24
EDGE 4 Tx slots	20.77	20.53	20.65	21.50	17.77	17.53	17.65	18.50

WCDMA V Ant0 Default							
Band TX Channel	WCDMA V			Tune-up Limit (dBm)			
	4132	4162	4233				
Frequency (MHz)	832.4	832.4	842.6				
3GPP Rel 99 RMC 12.2kbps	24.78	24.86	24.75	25.50			
3GPP Rel 99 RMC 12.2kbps	24.90	24.93	24.88	25.50			
3GPP Rel 6 HSDPA Subtest-1	23.89	24.01	23.90	24.50			
3GPP Rel 6 HSDPA Subtest-2	23.81	23.93	23.85	24.50			
3GPP Rel 6 HSDPA Subtest-3	23.20	23.50	23.34	24.00			
3GPP Rel 6 HSDPA Subtest-4	23.29	23.50	23.33	24.00			
3GPP Rel 6 DC-HSDPA Subtest-1	23.76	23.96	23.92	24.50			
3GPP Rel 6 DC-HSDPA Subtest-2	23.81	23.92	23.76	24.50			
3GPP Rel 6 DC-HSDPA Subtest-3	23.22	23.43	23.37	24.00			
3GPP Rel 6 DC-HSDPA Subtest-4	23.30	23.45	23.41	24.00			
3GPP Rel 6 HSPA Subtest-1	23.76	23.88	23.90	24.50			
3GPP Rel 6 HSPA Subtest-2	21.72	21.91	21.88	22.50			
3GPP Rel 6 HSPA Subtest-3	22.73	23.01	22.83	23.80			
3GPP Rel 6 HSPA Subtest-4	21.73	21.93	21.88	22.50			
3GPP Rel 6 HSPA Subtest-5	23.76	23.88	23.88	24.50			
3GPP Rel 7 HSPA+ (REQM) Subtest-1	21.20	21.34	21.25	22.00			



Band 4 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Hd./F.Freq.	Power Ch./F.Freq.	Turn-up time (min)	MPE (dB)		
Channel										
	Frequency (MHz)			1720	1722.5	1725				
20	OPSK	1	0	22.82	22.90	22.97			24	0
20	OPSK	1	96	22.78	22.86	22.92				
20	OPSK	50	0	21.97	22.05	22.11				
20	OPSK	50	24	21.90	21.94	21.99			23	1
20	OPSK	50	50	21.79	21.90	21.83				
20	OPSK	100	0	21.92	21.97	21.92				
20	OPSK	100	50	21.88	21.92	21.90				
20	HOVM	1	49	21.90	21.83	21.80			23	1
20	HOVM	1	99	21.84	21.88	21.77				
20	HOVM	50	0	20.72	20.86	20.78				
20	HOVM	50	24	20.77	20.83	20.70			22	2
20	HOVM	50	50	20.67	20.91	20.86				
20	HOVM	100	0	20.84	20.94	20.89				
20	HOVM	100	50	20.51	20.98	20.89				
20	HOVM	1	49	20.86	20.90	20.86			22	2
20	HOVM	1	99	20.79	20.88	20.82				
20	HOVM	50	0	19.23	19.96	19.90				
20	HOVM	50	24	19.85	19.99	19.81			21	3
20	HOVM	50	50	19.71	19.85	19.78				
20	HOVM	100	0	19.88	19.91	19.80				
20	HOVM	100	50	19.69	20.04	19.92				
20	ZSSVM	1	49	17.85	17.88	17.84			19	5
20	ZSSVM	1	99	17.81	17.88	17.73				
20	ZSSVM	50	0	16.71	17.04	17.06				
20	ZSSVM	50	24	17.75	17.88	17.78			19	5
20	ZSSVM	50	50	17.41	17.90	17.82				
20	ZSSVM	100	0	17.79	18.02	17.92				
Channel										
	Frequency (MHz)			20025	20025	20025				
15	OPSK	1	0	22.82	22.88	22.79			24	0
15	OPSK	1	37	22.74	22.77	22.73				
15	OPSK	74	24	22.64	22.74	22.73				
15	OPSK	36	0	21.91	21.91	21.85			23	1
15	OPSK	36	36	21.88	21.96	21.77				
15	OPSK	75	0	21.84	21.92	21.81				
15	OPSK	75	36	21.74	21.87	21.85			23	1
15	HOVM	1	37	21.81	21.88	21.87				
15	HOVM	24	0	20.72	20.75	20.72				
15	HOVM	36	0	20.66	20.75	20.71			22	2
15	HOVM	36	20	20.72	20.71	20.67				
15	HOVM	75	0	19.85	19.92	19.87				
15	HOVM	75	0	20.73	20.87	20.77			22	2
15	HOVM	1	37	20.71	20.79	20.72				
15	HOVM	1	74	20.51	20.83	20.75				
15	HOVM	36	0	19.71	19.89	19.78			21	3
15	HOVM	36	20	19.72	19.85	19.78				
15	HOVM	75	0	19.59	19.75	19.65				
15	HOVM	75	0	19.82	19.82	19.74				
15	ZSSVM	1	37	17.71	17.72	17.68			19	5
15	ZSSVM	1	74	17.78	17.75	17.65				
15	ZSSVM	36	0	17.23	17.86	17.78				
15	ZSSVM	36	20	17.67	17.74	17.74			19	5
15	ZSSVM	75	0	17.52	17.75	17.70				
15	ZSSVM	75	0	17.67	17.85	17.82				
Channel										
	Frequency (MHz)			20025	20025	20025				
10	OPSK	1	0	22.77	22.82	22.77			24	0
10	OPSK	1	25	22.79	22.88	22.72				
10	OPSK	1	49	22.67	22.77	22.77				
10	OPSK	25	0	21.89	21.89	21.81			23	1
10	OPSK	25	12	21.78	21.78	21.72				
10	OPSK	25	25	21.71	21.77	21.72				
10	OPSK	50	0	21.84	21.89	21.85			23	1
10	HOVM	1	25	21.80	21.81	21.74				
10	HOVM	25	0	20.61	20.82	20.65				
10	HOVM	25	12	20.66	20.79	20.57			22	2
10	HOVM	50	0	19.70	19.79	19.67				
10	HOVM	50	0	20.75	20.82	20.80			22	2
10	HOVM	1	0	20.87	20.83	20.85				
10	HOVM	1	49	20.82	20.85	20.82				
10	HOVM	1	49	20.71	20.75	20.68				
10	HOVM	25	0	19.77	19.83	19.86			21	3
10	HOVM	25	12	19.78	19.78	19.75				
10	HOVM	50	0	19.78	19.87	19.79				
10	HOVM	50	25	19.61	19.79	19.75				
10	ZSSVM	1	25	17.78	17.75	17.74			19	5
10	ZSSVM	1	49	17.75	17.75	17.60				
10	ZSSVM	25	0	17.24	17.84	17.78				
10	ZSSVM	25	12	17.62	17.74	17.74			19	5
10	ZSSVM	25	25	17.52	17.83	17.68				
10	ZSSVM	50	0	17.62	17.88	17.68				
Channel										
	Frequency (MHz)			19975	20025	20075				
5	OPSK	1	0	22.72	22.80	22.77			24	0
5	OPSK	1	24	22.74	22.87	22.73				
5	OPSK	1	49	22.67	22.77	22.73				
5	OPSK	12	0	21.84	21.84	21.84			23	1
5	OPSK	12	7	21.84	21.91	21.77				
5	HOVM	1	12	21.89	21.87	21.71			23	1
5	HOVM	1	12	21.79	21.88	21.65				
5	HOVM	12	0	20.61	20.82	20.65				
5	HOVM	12	7	20.63	20.72	20.64			22	2
5	HOVM	25	0	19.70	19.77	19.67				
5	HOVM	25	0	20.75	20.87	20.82			22	2
5	HOVM	1	12	20.82	20.85	20.82				
5	HOVM	1	49	20.71	20.75	20.68				
5	HOVM	25	0	19.77	19.83	19.86			21	3
5	HOVM	25	12	19.78	19.78	19.75				
5	HOVM	50	0	19.78	19.87	19.79				
5	HOVM	50	25	19.61	19.79	19.75				
5	ZSSVM	1	25	17.78	17.75	17.74			19	5
5	ZSSVM	1	49	17.75	17.75	17.60				
5	ZSSVM	25	0	17.24	17.84	17.78				
5	ZSSVM	25	12	17.62	17.74	17.74			19	5
5	ZSSVM	25	25	17.52	17.83	17.68				
5	ZSSVM	50	0	17.62	17.88	17.68				
Channel										
	Frequency (MHz)			19975	20025	20075				
3	OPSK	1	0	22.72	22.80	22.77			24	0
3	OPSK	1	14	22.67	22.85	22.74				
3	OPSK	1	29	22.60	22.82	22.71				
3	OPSK	8	4	21.83	21.82	21.78			23	1
3	OPSK	8	7	21.87	21.87	21.80				
3	HOVM	1	8	21.87	21.88	21.81			23	1
3	HOVM	1	8	21.80	21.87	21.67				
3	HOVM	14	0	20.72	20.83	20.70				
3	HOVM	8	4	20.68	20.77	20.57			22	2
3	HOVM	8	7	20.79	20.85	20.71				
3	HOVM	16	0	20.78	20.86	20.75				
3	HOVM	1	0	20.79	20.92	20.81			22	2
3	HOVM	1	0	20.74	20.79	20.81				
3	HOVM	1	14	20.62	20.79	20.70				
3	HOVM	8	4	19.84	19.84	19.79			21	3
3	HOVM	8	7	19.87	19.74	19.70				
3	HOVM	16	0	19.71	19.87	19.68				
3	ZSSVM	1	8	17.79	17.83	17.75			19	5
3	ZSSVM	1	14	17.77	17.77	17.60				
3	ZSSVM	8	4	17.26	17.84	17.72				
3	ZSSVM	8	7	17.67	17.87	17.68			19	5
3	ZSSVM	16	0	17.55	17.83	17.65				
Channel										
	Frequency (MHz)			19975	20025	20075				
1.4	OPSK	1	0	22.86	22.91	22.73			24	0
1.4	OPSK	1	3	22.76	22.92	22.77				
1.4	OPSK	1	0	22.82	22.92	22.87			23	





Band 13 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.93	23.93	23.93	24.5	0	
10	QPSK	1	49	23.94	23.94	23.94			
10	QPSK	1	49	24.36	24.36	24.36			
10	QPSK	25	0	23.97	23.97	23.97	23.5	1	
10	QPSK	25	12	23.93	23.93	23.93			
10	QPSK	25	25	23.94	23.94	23.94			
10	QPSK	50	0	23.92	23.92	23.92	23.5	1	
10	HQAM	1	0	23.95	23.95	23.95			
10	HQAM	1	25	23.96	23.96	23.96	23.5	1	
10	HQAM	1	49	23.92	23.92	23.92			
10	HQAM	25	0	23.94	23.94	23.94			
10	HQAM	25	12	23.92	23.92	23.92	23.5	2	
10	HQAM	25	25	23.93	23.93	23.93			
10	HQAM	50	0	23.94	23.94	23.94	23.5	2	
10	HQAM	50	12	23.92	23.92	23.92			
10	HQAM	50	25	23.93	23.93	23.93			
10	HQAM	100	0	23.95	23.95	23.95	23.5	2	
10	HQAM	100	49	23.94	23.94	23.94			
10	HQAM	100	49	23.44	23.44	23.44			
10	HQAM	25	0	23.95	23.95	23.95	21.5	3	
10	HQAM	25	12	23.94	23.94	23.94			
10	HQAM	25	25	23.93	23.93	23.93			
10	HQAM	50	0	23.93	23.93	23.93			
10	HQAM	50	12	23.95	23.95	23.95			
10	ZSSM	1	0	18.67	18.63	18.63	19.5	5	
10	ZSSM	1	49	18.58	18.58	18.58			
10	ZSSM	25	0	18.68	18.68	18.68	19.5	5	
10	ZSSM	25	12	18.60	18.60	18.60			
10	ZSSM	25	25	18.56	18.56	18.56			
10	ZSSM	50	0	18.64	18.64	18.64	19.5	5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.38	23.38	23.43	24.5	0	
5	QPSK	1	12	23.35	23.49	23.46			
5	QPSK	1	24	23.34	23.47	23.39			
5	QPSK	12	0	22.49	22.58	22.51	23.5	1	
5	QPSK	12	7	22.35	22.48	22.50			
5	QPSK	12	13	22.45	22.59	22.46			
5	QPSK	25	0	22.48	22.53	22.43	23.5	1	
5	HQAM	1	0	22.47	22.51	22.37			
5	HQAM	1	12	22.41	22.53	22.37	23.5	1	
5	HQAM	1	24	22.33	22.58	22.33			
5	HQAM	12	0	21.83	21.97	21.40	22.5	2	
5	HQAM	12	7	21.31	21.39	21.38			
5	HQAM	12	13	21.37	21.47	21.28			
5	HQAM	25	0	22.38	22.41	22.38	21.5	3	
5	HQAM	25	7	22.35	22.36	22.38			
5	HQAM	25	13	22.31	22.35	22.38			
5	HQAM	50	0	22.37	22.38	22.38	21.5	3	
5	HQAM	50	12	22.35	22.38	22.38			
5	ZSSM	1	0	18.67	18.55	18.43	19.5	5	
5	ZSSM	1	24	18.38	18.53	18.45			
5	ZSSM	12	0	18.51	18.53	18.45	19.5	5	
5	ZSSM	12	7	18.40	18.53	18.37			
5	ZSSM	12	13	18.38	18.43	18.43	19.5	5	
5	ZSSM	25	0	18.46	18.54	18.42			

Band 17 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.94	24.70	24.59	25.5	0	
10	QPSK	1	39	24.47	24.64	24.59			
10	QPSK	1	49	24.36	24.56	24.58			
10	QPSK	25	0	23.92	23.86	23.88	24.5	1	
10	QPSK	25	12	23.92	23.86	23.89			
10	QPSK	25	25	23.95	23.92	23.91			
10	QPSK	50	0	23.92	23.92	23.92	24.5	1	
10	HQAM	1	0	23.92	23.92	23.91			
10	HQAM	1	25	23.94	23.97	23.95	24.5	1	
10	HQAM	1	49	23.92	23.91	23.47			
10	HQAM	25	0	22.92	22.92	22.97	23.5	2	
10	HQAM	25	12	22.99	22.98	22.91			
10	HQAM	25	25	22.98	22.98	22.94			
10	HQAM	50	0	22.98	22.99	22.96	23.5	2	
10	HQAM	50	12	22.98	22.97	22.97			
10	HQAM	50	25	22.98	22.98	22.94			
10	HQAM	100	0	22.98	22.97	22.97	23.5	2	
10	HQAM	100	49	22.92	22.93	22.93			
10	HQAM	100	49	22.93	22.94	22.49			
10	HQAM	25	0	21.51	21.54	21.48	22.5	3	
10	HQAM	25	12	21.48	21.51	21.51			
10	HQAM	25	25	21.44	21.51	21.51			
10	HQAM	50	0	21.43	21.60	21.48	22.5	3	
10	HQAM	50	12	21.44	21.61	21.51			
10	HQAM	50	25	21.44	21.61	21.51			
10	ZSSM	1	0	19.56	19.57	19.59	20.5	5	
10	ZSSM	1	25	19.50	19.55	19.55			
10	ZSSM	1	49	19.52	19.60	19.53			
10	ZSSM	25	0	19.52	19.58	19.58	20.5	5	
10	ZSSM	25	12	19.58	19.53	19.57			
10	ZSSM	25	25	19.48	19.57	19.60			
10	ZSSM	50	0	19.52	19.58	19.57	20.5	5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.38	24.56	24.50	25.5	0	
5	QPSK	1	12	24.41	24.59	24.51			
5	QPSK	1	24	24.47	24.49	24.54			
5	QPSK	12	0	23.45	23.55	23.48	24.5	1	
5	QPSK	12	7	23.48	23.57	23.40			
5	QPSK	12	13	23.47	23.38	23.46			
5	QPSK	25	0	23.45	23.59	23.59	24.5	1	
5	HQAM	1	0	23.63	23.71	23.61			
5	HQAM	1	12	23.35	23.51	23.47	24.5	1	
5	HQAM	1	24	23.44	23.42	23.37			
5	HQAM	12	0	22.43	22.66	22.51	23.5	2	
5	HQAM	12	7	22.51	22.50	22.57			
5	HQAM	12	13	22.56	22.44	22.39			
5	HQAM	25	0	22.42	22.56	22.44	23.5	2	
5	HQAM	25	7	22.44	22.44	22.42			
5	HQAM	25	13	21.40	21.45	21.44	22.5	3	
5	HQAM	50	0	22.37	22.42	22.36	23.5	2	
5	HQAM	50	12	21.43	21.49	21.43			
5	HQAM	50	25	21.44	21.46	21.43			
5	HQAM	100	0	22.37	22.42	22.36	23.5	2	
5	HQAM	100	49	22.32	22.35	22.34			
5	HQAM	100	49	22.37	22.42	22.36			
5	HQAM	12	0	21.43	21.49	21.43	22.5	3	
5	HQAM	12	7	21.44	21.46	21.43			
5	HQAM	12	13	21.40	21.45	21.44			
5	HQAM	25	0	21.32	21.50	21.43	22.5	3	
5	HQAM	25	7	21.44	21.46	21.43			
5	HQAM	25	13	21.40	21.45	21.44			
5	ZSSM	1	0	19.51	19.44	19.49	20.5	5	
5	ZSSM	1	24	19.44	19.45	19.44			
5	ZSSM	12	0	19.41	19.54	19.44	20.5	5	
5	ZSSM	12	7	19.51	19.42	19.43			
5	ZSSM	12	13	19.40	19.52	19.47	20.5	5	
5	ZSSM	25	0	19.45	19.46	19.46			

Band 26 Ant0 for FCC Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.35	24.35	24.41	25.5	0	
15	QPSK	1	39	24.35	24.40	24.38			
15	QPSK	1	49	24.36	24.46	24.46			
15	QPSK	25	0	23.38	23.35	23.33	24.5	1	
15	QPSK	25	12	23.38	23.42	23.41			
15	QPSK	25	25	23.39	23.46	23.36			
15	QPSK	50	0	23.38	23.47	23.37	24.5	1	
15	HQAM	1	0	23.38	23.38	23.38			
15	HQAM	1	37	23.35	23.37	23.33	24.5	1	
15	HQAM	1	74	23.23	23.27	23.28			
15	HQAM	25	0	23.25	23.26	23.23	23.5	2	



### Band 38 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								
Channel Frequency (MHz)				3760	3800	3840		
20	QPSK	1	0	22.60	22.66	22.62	23.5	0
20	QPSK	1	49	22.54	22.62	22.51		
20	QPSK	1	99	22.53	22.53	22.81		
20	QPSK	50	0	21.32	21.56	21.40	22.5	1
20	QPSK	50	24	21.36	21.50	21.43		
20	QPSK	50	50	21.36	21.48	21.52		
20	QPSK	100	0	21.32	21.56	21.40	22.5	1
20	16QAM	1	49	21.48	21.54	21.53		
20	16QAM	1	99	21.40	21.46	21.36	22.5	1
20	16QAM	1	99	21.29	21.44	21.47		
20	16QAM	50	0	20.32	20.46	20.38	21.5	2
20	16QAM	50	24	20.30	20.41	20.33		
20	16QAM	50	50	20.28	20.40	20.30		
20	16QAM	100	0	20.32	20.33	20.32	21.5	2
20	64QAM	1	49	20.44	20.51	20.55		
20	64QAM	1	99	20.43	20.54	20.37	21.5	2
20	64QAM	1	99	20.44	20.45	20.50		
20	64QAM	50	0	19.38	19.51	19.40	20.5	3
20	64QAM	50	24	19.39	19.45	19.44		
20	64QAM	50	50	19.38	19.47	19.41		
20	64QAM	100	0	19.34	19.45	19.40	20.5	3
20	256QAM	1	0	17.33	17.42	17.43	18.5	5
20	256QAM	1	49	17.38	17.42	17.44		
20	256QAM	1	99	17.42	17.51	17.36		
20	256QAM	50	0	17.32	17.54	17.48	18.5	5
20	256QAM	50	24	17.42	17.44	17.44		
20	256QAM	50	50	17.44	17.42	17.34		
20	256QAM	100	0	17.40	17.44	17.42	18.5	5
Channel								
Channel Frequency (MHz)				3765	3800	3815		
15	QPSK	1	0	22.47	22.56	22.49	23.0	0
15	QPSK	1	37	22.51	22.56	22.42		
15	QPSK	1	74	22.46	22.41	22.55		
15	QPSK	36	0	21.30	21.49	21.37	22.5	1
15	QPSK	36	20	21.26	21.37	21.37		
15	QPSK	36	39	21.30	21.37	21.48		
15	QPSK	75	0	21.21	21.45	21.46	22.5	1
15	16QAM	1	37	21.34	21.41	21.37		
15	16QAM	1	37	21.28	21.32	21.25	22.5	1
15	16QAM	1	74	21.20	21.36	21.37		
15	16QAM	36	0	20.19	20.34	20.32	21.5	2
15	16QAM	36	20	20.27	20.36	20.37		
15	16QAM	36	39	20.19	20.29	20.21		
15	16QAM	75	0	20.24	20.24	20.29	21.5	2
15	16QAM	75	0	20.27	20.34	20.31		
15	16QAM	1	37	20.35	20.34	20.33	21.5	2
15	64QAM	1	74	20.29	20.38	20.39		
15	64QAM	36	0	19.21	19.45	19.34	20.5	3
15	64QAM	36	20	19.27	19.36	19.39		
15	64QAM	36	39	19.28	19.39	19.37		
15	64QAM	75	0	19.26	19.32	19.36	18.5	5
15	256QAM	1	0	17.25	17.35	17.29		
15	256QAM	1	49	17.28	17.36	17.34		
15	256QAM	1	74	17.29	17.41	17.21	18.5	5
15	256QAM	36	0	17.28	17.48	17.40		
15	256QAM	36	20	17.38	17.30	17.33		
15	256QAM	36	39	17.34	17.36	17.34	18.5	5
15	256QAM	75	0	17.34	17.32	17.34		
Channel								
Channel Frequency (MHz)				3765	3800	3820		
10	QPSK	1	0	22.48	22.59	22.51	23.0	0
10	QPSK	1	25	22.50	22.55	22.38		
10	QPSK	1	49	22.50	22.40	22.56		
10	QPSK	25	0	21.34	21.41	21.33	22.5	1
10	QPSK	25	0	21.32	21.35	21.30		
10	QPSK	25	25	21.31	21.36	21.40		
10	QPSK	50	0	21.25	21.47	21.33	22.5	1
10	16QAM	1	25	21.38	21.45	21.49		
10	16QAM	1	25	21.22	21.38	21.26	22.5	1
10	16QAM	1	49	21.20	21.38	21.44		
10	16QAM	25	0	20.24	20.42	20.23	21.5	2
10	16QAM	25	12	20.25	20.36	20.20		
10	16QAM	25	25	20.19	20.25	20.26		
10	16QAM	50	0	20.24	20.24	20.26	21.5	2
10	64QAM	1	0	20.29	20.41	20.52		
10	64QAM	1	25	20.35	20.41	20.36	21.5	2
10	64QAM	1	49	20.39	20.38	20.40		
10	64QAM	25	0	19.22	19.45	19.33	20.5	3
10	64QAM	25	12	19.35	19.31	19.29		
10	64QAM	25	25	19.31	19.40	19.36		
10	64QAM	50	0	19.30	19.34	19.26	18.5	5
10	256QAM	1	0	17.24	17.36	17.34		
10	256QAM	1	25	17.31	17.38	17.31	18.5	5
10	256QAM	1	49	17.28	17.40	17.42		
10	256QAM	25	0	17.20	17.40	17.42		
10	256QAM	25	12	17.28	17.33	17.26	18.5	5
10	256QAM	25	25	17.36	17.36	17.34		
10	256QAM	50	0	17.27	17.38	17.37	18.5	5
Channel								
Channel Frequency (MHz)				3775	3800	3825		
5	QPSK	1	0	22.46	22.53	22.57	23.0	0
5	QPSK	1	12	22.42	22.55	22.45		
5	QPSK	1	24	22.43	22.45	22.46		
5	QPSK	12	0	21.31	21.52	21.30	22.5	1
5	QPSK	12	7	21.28	21.43	21.39		
5	QPSK	12	13	21.30	21.37	21.42		
5	QPSK	25	0	21.22	21.43	21.25	22.5	1
5	16QAM	1	0	21.38	21.44	21.40	22.5	1
5	16QAM	1	12	21.30	21.34	21.34		
5	16QAM	1	24	21.15	21.38	21.43		
5	16QAM	12	0	20.21	20.42	20.30	21.5	2
5	16QAM	12	7	20.21	20.28	20.24		
5	16QAM	12	13	20.22	20.26	20.18	21.5	2
5	16QAM	25	0	20.26	20.25	20.24		
5	64QAM	1	0	20.33	20.44	20.47		
5	64QAM	1	12	20.38	20.43	20.41	21.5	2
5	64QAM	1	24	20.30	20.33	20.44		
5	64QAM	12	0	19.29	19.40	19.32	20.5	3
5	64QAM	12	7	19.33	19.32	19.39		
5	64QAM	12	13	19.25	19.33	19.37		
5	64QAM	25	0	19.25	19.41	19.36	18.5	5
5	256QAM	1	0	17.25	17.29	17.38		
5	256QAM	1	12	17.28	17.40	17.40	18.5	5
5	256QAM	1	24	17.27	17.40	17.22		
5	256QAM	12	0	17.25	17.47	17.44		
5	256QAM	12	7	17.35	17.30	17.35	18.5	5
5	256QAM	12	13	17.33	17.37	17.23		
5	256QAM	25	0	17.33	17.30	17.32	18.5	5

### Band 41 Ant0 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Channel Frequency (MHz)				3970	4016	4062	4108	4160		
20	QPSK	1	0	22.68	22.81	22.72	22.55	22.52	23.5	0
20	QPSK	1	49	22.61	22.58	22.64	22.57	22.46		
20	QPSK	1	99	22.51	22.56	22.59	22.65	22.49		
20	QPSK	50	0	21.44	21.36	21.58	21.41	21.46	22.5	1
20	QPSK	50	24	21.45	21.49	21.48	21.47	21.45		
20	QPSK	50	50	21.43	21.43	21.61	21.55	21.41		
20	QPSK	100	0	21.43	21.36	21.58	21.41	21.46	22.5	1
20	16QAM	1	49	21.44	21.55	21.56	21.55	21.52		
20	16QAM	1	99	21.42	21.28	21.45	21.43	21.32	22.5	1
20	16QAM	1	99	21.29	21.30	21.34	21.43	21.34		
20	16QAM	50	0	20.30	20.38	20.54	20.40	20.46	21.5	2
20	16QAM	50	24	20.36	20.41	20.44	20.47	20.33		
20	16QAM	50	50	20.29	20.44	20.49	20.48	20.30		
20	16QAM	100	0	20.38	20.40	20.50	20.42	20.41	21.5	2
20	64QAM	1	49	20.34	20.33	20.71	20.64	20.60		
20	64QAM	1	99	20.31	20.39	20.44	20.38	20.38	21.5	2
20	64QAM	1	99	20.39	20.32	20.49	20.37	20.33		
20	64QAM	50	0	19.47	19.48	19.58	19.43	19.4		



**GSM850 Ant1 Default**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	32.2	38.4	34.8	32.50	32.2	33.4	34.1	33.50
GSM 1 Tx slot	32.22	32.16	32.18	32.50	23.25	23.19	23.15	23.50
GPRS 1 Tx slots	32.22	32.16	32.06	32.50	23.22	23.16	23.06	23.50
GPRS 2 Tx slots	29.13	29.11	28.97	29.50	23.13	23.11	22.97	23.50
GPRS 3 Tx slots	27.15	27.23	26.93	27.50	22.89	22.97	22.67	23.24
GPRS 4 Tx slots	25.98	26.24	26.12	26.50	22.98	23.24	23.12	23.50
EDGE 1 Tx slot	25.91	26.04	25.92	26.50	16.91	17.04	16.92	17.50
EDGE 2 Tx slots	22.85	23.11	22.86	23.50	16.85	17.11	16.86	17.50
EDGE 3 Tx slots	21.21	21.25	21.08	21.50	16.95	16.99	16.82	17.24
EDGE 4 Tx slots	20.32	20.37	20.10	20.50	17.32	17.37	17.10	17.50

**WCDMA V Ant1 DSIS**

Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4162	4233	
Rx Channel	4357	4407	4456	
Frequency (MHz)	883.4	883.4	883.6	
3GPP Rel 99 RMC 12.2kbps	23.54	23.50	23.43	24.00
3GPP Rel 99 RMC 12.2kbps	23.60	23.63	23.45	24.00
3GPP Rel 6 HSDPA Subtest-1	22.48	22.64	22.48	23.00
3GPP Rel 6 HSDPA Subtest-2	22.37	22.61	22.47	23.00
3GPP Rel 6 HSDPA Subtest-3	21.99	22.08	21.90	22.50
3GPP Rel 6 HSDPA Subtest-4	22.10	21.87	22.14	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	22.48	22.67	22.41	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	22.34	22.53	22.65	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	21.87	22.01	21.92	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.22	22.09	21.89	22.50
3GPP Rel 6 HSUPA Subtest-1	22.61	22.70	22.40	23.00
3GPP Rel 6 HSUPA Subtest-2	20.41	20.47	20.45	21.00
3GPP Rel 6 HSUPA Subtest-3	21.41	21.56	21.59	22.00
3GPP Rel 6 HSUPA Subtest-4	20.51	20.62	20.50	21.00
3GPP Rel 6 HSUPA Subtest-5	22.37	22.56	22.42	23.00
3GPP Rel 7 HSPA+ (REQM) Subtest-1	19.96	20.03	19.90	20.50



Band 5 Ant1 DS15													
BW [MHz]	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)													
10	QPSK	1	0	23.28	23.32	23.26	24	0					
10	QPSK	1	25	23.14	23.17	23.14							
10	QPSK	1	49	23.17	23.21	23.07							
10	QPSK	25	0	23.28	23.32	23.11							
10	QPSK	25	12	23.04	23.16	23.03							
10	QPSK	25	25	23.12	23.23	23.18							
10	QPSK	50	0	22.99	23.16	23.06							
10	16QAM	1	0	23.01	23.20	23.09							
10	16QAM	1	25	23.09	23.07	23.09							
10	16QAM	1	49	23.12	23.22	23.16							
10	16QAM	25	0	22.02	22.14	22.05	24	0					
10	16QAM	25	12	21.99	22.09	22.01							
10	16QAM	25	25	21.95	22.07	22.04							
10	16QAM	50	0	21.98	22.07	22.04							
10	16QAM	1	25	22.05	22.12	22.10							
10	16QAM	1	49	22.04	22.15	22.09							
10	16QAM	25	0	20.96	21.16	20.96							
10	16QAM	25	12	21.01	21.04	21.00							
10	16QAM	25	25	21.02	21.05	21.01							
10	16QAM	50	0	21.00	21.07	21.06							
10	256QAM	1	0	19.00	19.03	18.90	20	4					
10	256QAM	1	25	18.97	19.02	18.94							
10	256QAM	1	49	18.87	19.02	18.93							
10	256QAM	25	0	18.91	19.11	18.97							
10	256QAM	25	12	18.96	18.96	19.00							
10	256QAM	25	25	18.85	19.10	18.93							
10	256QAM	50	0	18.91	19.03	18.99							
Channel													
Frequency (MHz)													
5	QPSK	1	0	23.14	23.19	23.18			24	0			
5	QPSK	1	12	23.05	23.10	23.03							
5	QPSK	1	24	23.11	23.10	23.05							
5	QPSK	12	0	23.02	23.18	23.06							
5	QPSK	12	7	22.89	23.03	22.92							
5	QPSK	12	13	23.05	23.19	23.06							
5	QPSK	25	0	22.91	23.04	22.96							
5	16QAM	1	24	22.87	23.15	22.97							
5	16QAM	1	12	23.01	22.97	22.95							
5	16QAM	1	24	23.07	23.08	23.13							
5	16QAM	12	0	21.90	22.05	21.99	23	1					
5	16QAM	12	7	21.91	22.03	21.93							
5	16QAM	12	13	21.91	21.96	21.92							
5	16QAM	25	0	21.89	22.02	21.99							
5	16QAM	1	0	21.98	22.07	22.11							
5	16QAM	1	12	22.00	22.05	22.05							
5	16QAM	1	24	21.96	22.03	21.94							
5	16QAM	12	0	20.81	21.14	20.92							
5	16QAM	12	7	20.86	20.86	20.90							
5	16QAM	12	13	20.97	21.10	20.95							
5	16QAM	25	0	20.96	20.98	20.94	22	2					
5	256QAM	1	0	18.94	18.92	18.77							
5	256QAM	1	12	18.89	18.89	18.90							
5	256QAM	1	24	18.79	18.94	18.83							
5	256QAM	12	0	18.89	18.93	18.82							
5	256QAM	12	7	18.84	18.86	18.86							
5	256QAM	12	13	18.78	18.98	18.80							
5	256QAM	25	0	18.82	18.95	18.96							
Channel													
Frequency (MHz)													
3	QPSK	1	0	23.28	23.29	23.20	24	0					
3	QPSK	1	8	23.04	23.13	23.03							
3	QPSK	1	14	23.08	23.15	22.99							
3	QPSK	8	0	23.01	23.22	23.04							
3	QPSK	8	4	23.01	23.05	22.88							
3	QPSK	8	7	23.02	23.15	23.03							
3	QPSK	15	0	22.88	23.10	22.94							
3	16QAM	1	0	22.94	23.15	23.00							
3	16QAM	1	8	22.98	23.01	22.95							
3	16QAM	1	14	23.06	23.13	23.02							
3	16QAM	8	0	21.99	22.05	22.00	23	1					
3	16QAM	8	7	22.01	22.01	21.83							
3	16QAM	8	7	21.81	22.01	21.96							
3	16QAM	15	0	21.91	22.03	21.94							
3	16QAM	1	0	22.04	22.09	22.11							
3	16QAM	1	8	22.02	22.06	21.97							
3	16QAM	1	14	21.91	22.05	22.04							
3	16QAM	8	4	20.90	20.97	20.92							
3	16QAM	8	7	20.88	20.97	20.91							
3	16QAM	15	0	20.90	20.99	20.96							
3	256QAM	1	0	18.96	18.97	18.82	20	4					
3	256QAM	1	8	18.90	18.93	18.91							
3	256QAM	1	14	18.90	18.91	18.82							
3	256QAM	8	0	18.81	19.00	18.92							
3	256QAM	8	4	18.84	18.87	18.91							
3	256QAM	8	7	18.77	19.04	18.83							
3	256QAM	15	0	18.77	18.92	18.87							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	23.19	23.16	23.20			24	0			
1.4	QPSK	1	3	23.01	23.10	23.07							
1.4	QPSK	1	5	23.08	23.16	22.97							
1.4	QPSK	3	0	23.01	23.14	23.03							
1.4	QPSK	3	3	22.98	23.14	23.08							
1.4	QPSK	6	0	22.88	23.12	23.03							
1.4	16QAM	1	0	22.94	23.05	23.00							
1.4	16QAM	1	3	22.96	23.04	23.05							
1.4	16QAM	1	5	23.00	23.09	23.03							
1.4	16QAM	3	0	22.95	23.06	22.90							
1.4	16QAM	3	1	22.85	22.98	22.88	24	0					
1.4	16QAM	3	3	22.86	22.98	22.98							
1.4	16QAM	6	0	21.85	22.01	21.97							
1.4	16QAM	1	0	21.98	22.05	22.11							
1.4	16QAM	1	3	21.83	21.96	21.96							
1.4	16QAM	1	5	21.92	22.06	21.98							
1.4	16QAM	3	0	21.83	22.15	21.87							
1.4	16QAM	3	1	21.86	22.01	21.88							
1.4	16QAM	3	3	21.95	21.92	21.94							
1.4	16QAM	6	0	20.88	20.94	21.01							
1.4	256QAM	1	0	18.90	18.94	18.81	22	2					
1.4	256QAM	1	3	18.85	18.88	18.84							
1.4	256QAM	1	5	18.74	18.89	18.87							
1.4	256QAM	3	0	18.86	19.04	18.92							
1.4	256QAM	3	1	18.86	18.92	18.85							
1.4	256QAM	3	3	18.82	19.06	18.88							
1.4	256QAM	6	0	18.86	18.94	18.88							

Band 12 Ant1 Default													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
10	QPSK	1	0	24.27	24.31	24.24	25.5	0					
10	QPSK	1	25	24.13	24.24	24.20							
10	QPSK	1	49	24.13	24.26	24.13							
10	QPSK	25	0	23.15	23.27	23.09							
10	QPSK	25	12	23.15	23.19	23.18							
10	QPSK	25	25	23.15	23.12	23.08							
10	QPSK	50	0	23.02	23.22	23.07							
10	16QAM	1	0	23.25	23.39	23.32							
10	16QAM	1	25	23.18	23.24	23.21							
10	16QAM	1	49	23.13	23.28	23.17							
10	16QAM	25	0	22.18	22.32	22.14	24.5	1					
10	16QAM	25	12	22.20	22.23	22.13							
10	16QAM	25	25	22.11	22.18	22.14							
10	16QAM	50	0	22.13	22.27	22.20							
10	16QAM	1	0	22.27	22.30	22.30							
10	16QAM	1	25	22.11	22.17	22.16							
10	16QAM	1	49	22.07	22.24	22.18							
10	16QAM	25	0	21.09	21.26	21.14							
10	16QAM	25	12	21.05	21.14	21.09							
10	16QAM	25	25	21.07	21.17	21.19							
10	256QAM	1	0	19.10	19.17	19.19	20.5	5					
10	256QAM	1	25	19.12	19.18	19.23							
10	256QAM	1	49	19.13	19.19	19.24							
10	256QAM	25	0	19.17	19.31	19.17							
10	256QAM	25	12	19.11	19.16	19.15							
10	256QAM	25	25	19.15	19.27	19.18							
10	256QAM	50	0	19.09	19.18	19.16							
Channel													
Frequency (MHz)													
5	QPSK	1	0	24.16	24.17	24.09			25.5	0			
5	QPSK	1	12	24.00	24.11	24.07							
5	QPSK	1	25	24.00	24.11	24.08							
5	QPSK	12	0	23.09	23.24	22.95							
5	QPSK	12	7	23.03	23.14	23.15							
5	QPSK	12	13	23.08	22.99	22.96							
5	QPSK	25	0	22.87	23.13	22.93							
5	16QAM	1	0	23.19	23.35	23.17							
5	16QAM	1	12	23.03	23.15	23.16							
5	16QAM	1	24	23.02	23.18	23.06							
5	16QAM	12	0	22.07	22.27	22.05	24.5	1					
5	16QAM	12	7	22.11	22.13	22.02							
5	16QAM	12	13	22.03	22.14	22.05							
5	16QAM	25	0	22.13	22.24	22.15							
5	16QAM	1	0	22.13	22.24	22.22							
5	16QAM	1	12	22.06	22.02	22.09							
5	16QAM	1	24	21.89	22.13	22.11							
5	16QAM	12	0	21.02	21.17	21.07							
5	16QAM	12	7	21.03	21.12	21.08							
5</													



Band 17 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2370	2370	2300			
Frequency (MHz)				759	710	711			
10	QPSK	1	0	24.12	24.26	24.23			
10	QPSK	1	25	24.10	24.16	24.07		25	0
10	QPSK	25	0	23.04	23.22	23.05			
10	QPSK	25	12	23.06	23.14	23.06			
10	QPSK	25	25	23.04	23.16	23.07		24	1
10	QPSK	50	0	22.98	23.11	23.04			
10	16QAM	1	0	23.12	23.14	23.20			
10	16QAM	1	25	23.07	23.15	23.04		24	1
10	16QAM	1	49	23.03	23.10	23.10			
10	16QAM	25	0	21.95	22.16	22.06			
10	16QAM	25	12	21.96	22.10	22.06			
10	16QAM	25	25	21.97	22.06	22.03		23	2
10	16QAM	50	0	21.97	22.01	22.04			
10	64QAM	1	0	22.13	22.26	22.17			
10	64QAM	1	25	22.05	22.12	22.11		23	2
10	64QAM	1	49	22.03	22.11	22.13			
10	64QAM	25	0	21.07	21.21	21.02			
10	64QAM	25	12	21.09	21.17	21.02			
10	64QAM	25	25	21.00	21.13	21.04		22	3
10	64QAM	50	0	21.04	21.09	21.08			
10	256QAM	1	0	18.97	19.09	19.09			
10	256QAM	1	25	18.97	19.14	18.99		20	5
10	256QAM	1	49	18.98	19.12	19.07			
10	256QAM	25	0	18.95	19.17	19.00			
10	256QAM	25	12	19.00	19.07	18.99			
10	256QAM	25	25	19.02	19.12	19.09		20	5
10	256QAM	50	0	18.94	19.04	19.06			
Channel				2375	2370	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.05	24.18	24.17			
5	QPSK	1	12	24.07	24.04	23.94		25	0
5	QPSK	1	24	23.98	24.06	24.03			
5	QPSK	12	0	22.96	23.18	22.94			
5	QPSK	12	7	22.97	23.02	22.92		24	1
5	QPSK	12	13	22.92	23.05	22.95			
5	QPSK	25	0	22.88	22.97	22.92			
5	16QAM	1	0	22.98	23.02	23.12			
5	16QAM	1	12	23.02	23.11	22.95		24	1
5	16QAM	1	24	22.97	23.00	23.01			
5	16QAM	12	0	21.83	22.03	21.98			
5	16QAM	12	7	21.83	22.05	21.97		23	2
5	16QAM	12	13	21.92	21.99	21.91			
5	16QAM	25	0	21.83	21.96	21.89			
5	64QAM	1	0	22.00	22.19	22.06			
5	64QAM	1	12	22.01	22.00	22.06		23	2
5	64QAM	1	24	21.98	22.07	22.01			
5	64QAM	12	0	20.97	21.11	20.92			
5	64QAM	12	7	21.04	21.11	20.97			
5	64QAM	12	13	20.95	20.99	20.95		22	3
5	64QAM	25	0	20.90	21.03	21.03			
5	256QAM	1	0	18.90	19.01	19.05			
5	256QAM	1	12	18.90	19.04	18.85		20	5
5	256QAM	1	24	18.85	19.00	19.00			
5	256QAM	12	0	18.94	19.07	18.92			
5	256QAM	12	7	18.95	18.97	18.85		20	5
5	256QAM	12	13	18.94	19.07	19.05			
5	256QAM	25	0	18.89	18.96	18.92			

Band 26 Ant1 for FCC Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Middle Ch. F.Freq.	Power High Ch. F.Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2615	2615	2615			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.18	24.25	24.07			
15	QPSK	1	37	24.04	24.15	24.07		25.7	0
15	QPSK	1	74	24.12	24.14	24.12			
15	QPSK	36	0	23.07	23.24	23.08			
15	QPSK	36	20	23.07	23.12	23.08		24.7	1
15	QPSK	36	39	23.10	23.17	23.08			
15	QPSK	75	0	23.01	23.18	23.05			
15	16QAM	1	0	23.23	23.25	23.28			
15	16QAM	1	37	23.08	23.19	23.09		24.7	1
15	16QAM	1	74	23.04	23.21	23.05			
15	16QAM	36	0	22.04	22.25	22.17			
15	16QAM	36	20	22.03	22.12	22.11		23.7	2
15	16QAM	36	39	22.04	22.12	22.10			
15	16QAM	75	0	22.04	22.16	22.10			
15	64QAM	1	0	22.16	22.28	22.24			
15	64QAM	1	37	22.03	22.14	22.10		23.7	2
15	64QAM	1	74	22.08	22.11	22.08			
15	64QAM	36	0	21.01	21.21	21.05			
15	64QAM	36	20	21.03	21.11	21.10		22.7	3
15	64QAM	36	39	21.10	21.12	21.05			
15	64QAM	75	0	21.01	21.12	21.07			
15	256QAM	1	0	19.10	19.15	19.15			
15	256QAM	1	37	19.09	19.20	19.12		20.7	5
15	256QAM	1	74	19.14	19.11	19.10			
15	256QAM	36	0	19.05	19.25	19.13			
15	256QAM	36	20	19.08	19.20	19.12		20.7	5
15	256QAM	36	39	19.10	19.17	19.16			
15	256QAM	75	0	19.07	19.12	19.08			
Channel				26740	26865	26990			
Frequency (MHz)				619	631.5	644			
10	QPSK	1	0	24.05	24.21	24.00			
10	QPSK	1	25	23.91	24.09	23.99		25.7	0
10	QPSK	1	49	24.08	24.03	23.98			
10	QPSK	25	0	22.96	23.14	23.02			
10	QPSK	25	12	22.98	22.99	22.93		24.7	1
10	QPSK	25	25	23.00	23.04	22.98			
10	QPSK	50	0	22.88	23.06	22.96			
10	16QAM	1	0	23.16	23.24	23.04			
10	16QAM	1	25	23.04	23.12	23.06		24.7	1
10	16QAM	1	49	22.90	23.08	22.90			
10	16QAM	25	0	21.94	22.11	22.05			
10	16QAM	25	12	21.97	21.99	22.01		23.7	2
10	16QAM	25	25	21.99	22.03	21.99			
10	16QAM	50	0	20.97	21.03	21.01			
10	64QAM	1	0	22.02	22.15	22.13			
10	64QAM	1	25	21.92	22.02	21.96		23.7	2
10	64QAM	1	49	22.03	22.01	21.99			
10	64QAM	25	0	20.97	21.18	20.96			
10	64QAM	25	12	20.97	21.03	21.01		22.7	3
10	64QAM	25	25	21.00	21.09	20.95			
10	64QAM	50	0	20.89	21.01	20.97			
10	256QAM	1	0	19.07	19.08	19.09			
10	256QAM	1	25	18.97	19.05	19.01		20.7	5
10	256QAM	1	49	19.10	19.03	18.96			
10	256QAM	1	74	19.03	19.21	19.04			
10	256QAM	25	12	19.01	19.12	19.03		20.7	5
10	256QAM	25	25	19.06	19.04	19.05			
10	256QAM	50	0	19.03	18.99	19.03			
Channel				26715	26865	27015			
Frequency (MHz)				310.5	331.5	346.5			
5	QPSK	1	0	24.06	24.21	23.96			
5	QPSK	1	12	23.96	24.01	23.96		25.7	0
5	QPSK	1	24	24.05	24.05	23.97			
5	QPSK	12	0	22.93	23.15	23.00			
5	QPSK	12	7	22.92	23.03	23.01		24.7	1
5	QPSK	12	13	23.01	23.10	23.02			
5	QPSK	25	0	22.83	23.13	22.83			
5	16QAM	1	0	23.10	23.17	23.17			
5	16QAM	1	12	23.01	23.15	22.94		24.7	1
5	16QAM	1	24	22.95	23.13	23.01			
5	16QAM	12	0	21.92	22.19	22.14			
5	16QAM	12	7	21.97	22.00	22.03		23.7	2
5	16QAM	12	13	21.95	21.98	22.06			
5	16QAM	25	0	21.94	22.11	22.02			
5	64QAM	1	0	22.04	22.26	22.19			
5	64QAM	1	12	21.94	22.11	22.08			



**GSM1900 Ant3 Default**

GSM1900 Tx Channel	Band Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1850	1851.8	31.00	20.84	21.11	21.12	22.00
GSM 1 Tx slot	29.84	30.01	30.03	31.00	20.84	21.01	21.03	22.00
GPRS 2 Tx slots	28.71	28.64	28.68	27.50	20.71	20.64	20.68	21.50
GPRS 3 Tx slots	24.24	24.61	24.42	25.50	20.28	20.35	20.18	21.24
GPRS 4 Tx slots	23.88	24.09	24.13	28.50	20.88	21.09	21.13	21.50
EDGE 1 Tx slot	25.37	25.42	25.58	27.00	18.37	18.42	18.58	18.00
EDGE 2 Tx slots	22.21	22.28	22.30	24.00	18.21	18.28	18.30	18.00
EDGE 3 Tx slots	20.12	20.31	20.15	22.00	15.86	16.05	15.89	17.74
EDGE 4 Tx slots	19.44	19.54	19.20	21.00	16.44	16.54	16.20	18.00

**WCDMA II Ant3 DSIS**

**WCDMA IV Ant3 DSIS**

Band Tx Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Frequency (MHz)	8824.4	1860	1907.8	24.00	1112.4	1322.6	1758.8	24.00
3GPP Rel 99 AMR 12.2kpps	22.99	23.09	22.99	24.00	23.23	23.33	23.23	24.00
3GPP Rel 99 RMC 12.2kpps	23.02	23.19	22.97	24.00	23.33	23.41	23.40	24.00
3GPP Rel 6 HSDPA Subtest-1	21.80	22.01	22.01	23.00	22.14	22.43	22.38	23.00
3GPP Rel 6 HSDPA Subtest-2	21.81	22.10	21.97	23.00	22.21	22.23	22.38	23.00
3GPP Rel 6 HSDPA Subtest-3	21.44	21.71	21.48	22.50	21.73	21.79	21.77	22.50
3GPP Rel 6 HSDPA Subtest-4	21.52	21.82	21.51	22.50	21.64	21.90	21.72	22.50
3GPP Rel 6 DC-HSDPA Subtest-1	21.87	22.05	22.05	23.00	22.14	22.42	22.27	23.00
3GPP Rel 6 DC-HSDPA Subtest-2	21.50	22.01	21.96	23.00	22.26	22.48	22.29	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	21.35	21.49	21.48	22.50	21.67	21.93	21.76	22.50
3GPP Rel 6 DC-HSDPA Subtest-4	21.32	21.57	21.65	22.50	21.77	21.85	21.85	22.50
3GPP Rel 6 HSUPA Subtest-1	21.97	22.13	22.11	23.00	22.06	22.41	22.24	23.00
3GPP Rel 6 HSUPA Subtest-2	19.97	20.14	19.99	21.00	20.12	20.32	20.30	21.00
3GPP Rel 6 HSUPA Subtest-3	20.93	21.12	20.96	22.00	21.23	21.28	21.24	22.00
3GPP Rel 6 HSUPA Subtest-4	19.84	20.18	19.89	21.00	20.11	20.47	20.22	21.00
3GPP Rel 6 HSUPA Subtest-5	21.88	21.88	21.79	23.00	22.13	22.20	22.16	23.00
3GPP Rel 7 HSPA+ (10QAM) Subtest-1	19.24	19.57	19.42	20.50	19.59	19.73	19.69	20.50



### Band 2 Ant3 DS1s

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-up (dB)	MPR (dB)
20	QPSK	1	0	22.26	22.32	22.31		
20	QPSK	1	24	22.49	22.57	22.56		
20	QPSK	1	48	22.62	22.70	22.69		
20	QPSK	1	72	22.75	22.83	22.82		
20	QPSK	50	0	22.13	22.20	22.19		
20	QPSK	50	24	22.14	22.22	22.21		
20	QPSK	50	48	22.17	22.25	22.24		
20	QPSK	100	0	22.09	22.16	22.15		
20	QPSK	100	24	22.11	22.19	22.18		
20	QPSK	100	48	22.18	22.25	22.24		
20	QPSK	150	0	22.22	22.29	22.28		
20	QPSK	150	24	22.23	22.31	22.30		
20	QPSK	150	48	22.25	22.33	22.32		
20	QPSK	150	72	22.26	22.34	22.33		
20	QPSK	150	96	22.27	22.35	22.34		
20	QPSK	50	24	22.45	22.54	22.52		
20	QPSK	50	48	22.46	22.54	22.52		
20	QPSK	50	72	22.45	22.54	22.52		
20	QPSK	100	0	22.41	22.49	22.47		
20	QPSK	100	24	22.42	22.50	22.48		
20	QPSK	100	48	22.43	22.51	22.49		
20	QPSK	100	72	22.44	22.52	22.50		
20	QPSK	100	96	22.45	22.53	22.51		
20	QPSK	150	0	22.38	22.46	22.44		
20	QPSK	150	24	22.39	22.47	22.45		
20	QPSK	150	48	22.40	22.48	22.46		
20	QPSK	150	72	22.41	22.49	22.47		
20	QPSK	150	96	22.42	22.50	22.48		
20	QPSK	150	120	22.43	22.51	22.49		
20	QPSK	150	144	22.44	22.52	22.50		
20	QPSK	150	168	22.45	22.53	22.51		
20	QPSK	150	192	22.46	22.54	22.52		
20	QPSK	150	216	22.47	22.55	22.53		
20	QPSK	150	240	22.48	22.56	22.54		
20	QPSK	150	264	22.49	22.57	22.55		
20	QPSK	150	288	22.50	22.58	22.56		
20	QPSK	150	312	22.51	22.59	22.57		
20	QPSK	150	336	22.52	22.60	22.58		
20	QPSK	150	360	22.53	22.61	22.59		
20	QPSK	150	384	22.54	22.62	22.60		
20	QPSK	150	408	22.55	22.63	22.61		
20	QPSK	150	432	22.56	22.64	22.62		
20	QPSK	150	456	22.57	22.65	22.63		
20	QPSK	150	480	22.58	22.66	22.64		
20	QPSK	150	504	22.59	22.67	22.65		
20	QPSK	150	528	22.60	22.68	22.66		
20	QPSK	150	552	22.61	22.69	22.67		
20	QPSK	150	576	22.62	22.70	22.68		
20	QPSK	150	600	22.63	22.71	22.69		
20	QPSK	150	624	22.64	22.72	22.70		
20	QPSK	150	648	22.65	22.73	22.71		
20	QPSK	150	672	22.66	22.74	22.72		
20	QPSK	150	696	22.67	22.75	22.73		
20	QPSK	150	720	22.68	22.76	22.74		
20	QPSK	150	744	22.69	22.77	22.75		
20	QPSK	150	768	22.70	22.78	22.76		
20	QPSK	150	792	22.71	22.79	22.77		
20	QPSK	150	816	22.72	22.80	22.78		
20	QPSK	150	840	22.73	22.81	22.79		
20	QPSK	150	864	22.74	22.82	22.80		
20	QPSK	150	888	22.75	22.83	22.81		
20	QPSK	150	912	22.76	22.84	22.82		
20	QPSK	150	936	22.77	22.85	22.83		
20	QPSK	150	960	22.78	22.86	22.84		
20	QPSK	150	984	22.79	22.87	22.85		
20	QPSK	150	1008	22.80	22.88	22.86		
20	QPSK	150	1032	22.81	22.89	22.87		
20	QPSK	150	1056	22.82	22.90	22.88		
20	QPSK	150	1080	22.83	22.91	22.89		
20	QPSK	150	1104	22.84	22.92	22.90		
20	QPSK	150	1128	22.85	22.93	22.91		
20	QPSK	150	1152	22.86	22.94	22.92		
20	QPSK	150	1176	22.87	22.95	22.93		
20	QPSK	150	1200	22.88	22.96	22.94		
20	QPSK	150	1224	22.89	22.97	22.95		
20	QPSK	150	1248	22.90	22.98	22.96		
20	QPSK	150	1272	22.91	22.99	22.97		
20	QPSK	150	1296	22.92	23.00	22.98		
20	QPSK	150	1320	22.93	23.01	22.99		
20	QPSK	150	1344	22.94	23.02	23.00		
20	QPSK	150	1368	22.95	23.03	23.01		
20	QPSK	150	1392	22.96	23.04	23.02		
20	QPSK	150	1416	22.97	23.05	23.03		
20	QPSK	150	1440	22.98	23.06	23.04		
20	QPSK	150	1464	22.99	23.07	23.05		
20	QPSK	150	1488	23.00	23.08	23.06		
20	QPSK	150	1512	23.01	23.09	23.07		
20	QPSK	150	1536	23.02	23.10	23.08		
20	QPSK	150	1560	23.03	23.11	23.09		
20	QPSK	150	1584	23.04	23.12	23.10		
20	QPSK	150	1608	23.05	23.13	23.11		
20	QPSK	150	1632	23.06	23.14	23.12		
20	QPSK	150	1656	23.07	23.15	23.13		
20	QPSK	150	1680	23.08	23.16	23.14		
20	QPSK	150	1704	23.09	23.17	23.15		
20	QPSK	150	1728	23.10	23.18	23.16		
20	QPSK	150	1752	23.11	23.19	23.17		
20	QPSK	150	1776	23.12	23.20	23.18		
20	QPSK	150	1800	23.13	23.21	23.19		
20	QPSK	150	1824	23.14	23.22	23.20		
20	QPSK	150	1848	23.15	23.23	23.21		
20	QPSK	150	1872	23.16	23.24	23.22		
20	QPSK	150	1896	23.17	23.25	23.23		
20	QPSK	150	1920	23.18	23.26	23.24		
20	QPSK	150	1944	23.19	23.27	23.25		
20	QPSK	150	1968	23.20	23.28	23.26		
20	QPSK	150	1992	23.21	23.29	23.27		
20	QPSK	150	2016	23.22	23.30	23.28		
20	QPSK	150	2040	23.23	23.31	23.29		
20	QPSK	150	2064	23.24	23.32	23.30		
20	QPSK	150	2088	23.25	23.33	23.31		
20	QPSK	150	2112	23.26	23.34	23.32		
20	QPSK	150	2136	23.27	23.35	23.33		
20	QPSK	150	2160	23.28	23.36	23.34		
20	QPSK	150	2184	23.29	23.37	23.35		
20	QPSK	150	2208	23.30	23.38	23.36		
20	QPSK	150	2232	23.31	23.39	23.37		
20	QPSK	150	2256	23.32	23.40	23.38		
20	QPSK	150	2280	23.33	23.41	23.39		
20	QPSK	150	2304	23.34	23.42	23.40		
20	QPSK	150	2328	23.35	23.43	23.41		
20	QPSK	150	2352	23.36	23.44	23.42		
20	QPSK	150	2376	23.37	23.45	23.43		
20	QPSK	150	2400	23.38	23.46	23.44		
20	QPSK	150	2424	23.39	23.47	23.45		
20	QPSK	150	2448	23.40	23.48	23.46		
20	QPSK	150	2472	23.41	23.49	23.47		
20	QPSK	150	2496	23.42	23.50	23.48		
20	QPSK	150	2520	23.43	23.51	23.49		
20	QPSK	150	2544	23.44	23.52	23.50		
20	QPSK	150	2568	23.45	23.53	23.51		
20	QPSK	150	2592	23.46	23.54	23.52		
20	QPSK	150	2616	23.47	23.55	23.53		
20	QPSK	150	2640	23.48	23.56	23.54		
20	QPSK	150	2664	23.49	23.57	23.55		
20	QPSK	150	2688	23.50	23.58	23.56		
20	QPSK	150	2712	23.51	23.59	23.57		
20	QPSK	150	2736	23.52	23.60	23.58		
20	QPSK	150	2760	23.53	23.61	23.59		
20	QPSK	150	2784	23.54	23.62	23.60		
20	QPSK	150	2808	23.55	23.63	23.61		
20	QPSK	150	2832	23.56	23.64	23.62		
20	QPSK	150	2856	23.57	23.65	23.63		



Band 38 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.62	24.69	24.64	25.5	0		
20	QPSK	1	49	24.50	24.61	24.82				
20	QPSK	1	99	24.47	24.54	24.52				
20	QPSK	50	0	23.53	23.69	23.48				
20	QPSK	50	24	23.52	23.99	23.55				
20	QPSK	50	50	23.50	23.52	23.54	24.5	1		
20	QPSK	100	0	23.56	23.69	23.62				
20	16QAM	1	0	23.54	23.65	23.66				
20	16QAM	1	49	23.50	23.60	23.50				
20	16QAM	1	99	23.48	23.53	23.53				
20	16QAM	50	0	22.45	22.64	22.51				
20	16QAM	50	24	22.49	22.50	22.56				
20	16QAM	50	50	22.45	22.59	22.47				
20	16QAM	100	0	22.52	22.59	22.56				
20	64QAM	1	0	22.60	22.62	22.63				
20	64QAM	1	49	22.50	22.58	22.51				
20	64QAM	1	99	22.49	22.61	22.55				
20	64QAM	50	0	21.47	21.66	21.51				
20	64QAM	50	24	21.52	21.51	21.55				
20	64QAM	50	50	21.47	21.56	21.57				
20	64QAM	100	0	21.44	21.60	21.58				
20	256QAM	1	0	19.44	19.58	19.50				
20	256QAM	1	49	19.44	19.55	19.48				
20	256QAM	1	99	19.42	19.53	19.55				
20	256QAM	50	0	19.51	19.63	19.49				
20	256QAM	50	24	19.40	19.54	19.45				
20	256QAM	50	50	19.49	19.55	19.56				
20	256QAM	100	0	19.42	19.51	19.55				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	24.52	24.60	24.58	25.5	0		
15	QPSK	1	37	24.38	24.58	24.51				
15	QPSK	1	74	24.34	24.50	24.47				
15	QPSK	36	0	23.39	23.52	23.35				
15	QPSK	36	20	23.38	23.51	23.49				
15	QPSK	36	39	23.36	23.43	23.46				
15	QPSK	75	0	23.49	23.56	23.57				
15	16QAM	1	0	23.48	23.62	23.57				
15	16QAM	1	37	23.40	23.50	23.38				
15	16QAM	1	74	23.35	23.43	23.46				
15	16QAM	36	0	22.34	22.39	22.42				
15	16QAM	36	20	22.40	22.41	22.51				
15	16QAM	36	39	22.38	22.48	22.36				
15	16QAM	75	0	22.40	22.53	22.44				
15	64QAM	1	0	22.52	22.57	22.54				
15	64QAM	1	37	22.42	22.47	22.40				
15	64QAM	1	74	22.43	22.57	22.41				
15	64QAM	36	0	21.35	21.58	21.46				
15	64QAM	36	20	21.40	21.41	21.51				
15	64QAM	36	39	21.41	21.46	21.53				
15	64QAM	75	0	21.30	21.48	21.53				
15	256QAM	1	0	19.37	19.49	19.39				
15	256QAM	1	37	19.30	19.52	19.37				
15	256QAM	1	74	19.28	19.38	19.44				
15	256QAM	36	0	19.43	19.58	19.39				
15	256QAM	36	20	19.26	19.45	19.32				
15	256QAM	36	39	19.35	19.43	19.45				
15	256QAM	75	0	19.35	19.42	19.44				
Channel				37900	38000	38200				
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	24.55	24.59	24.60	25.5	0		
10	QPSK	1	25	24.45	24.50	24.56				
10	QPSK	1	49	24.36	24.54	24.34				
10	QPSK	25	0	23.48	23.55	23.34				
10	QPSK	25	12	23.45	23.46	23.44				
10	QPSK	25	25	23.37	23.42	23.43				
10	QPSK	50	0	23.49	23.57	23.55				
10	16QAM	1	0	23.41	23.52	23.61				
10	16QAM	1	25	23.36	23.52	23.40				
10	16QAM	1	49	23.38	23.40	23.36				
10	16QAM	25	0	22.35	22.49	22.48				
10	16QAM	25	12	22.39	22.40	22.46				
10	16QAM	25	25	22.40	22.49	22.41				
10	16QAM	50	0	22.41	22.53	22.49				
10	64QAM	1	0	22.56	22.55	22.48				
10	64QAM	1	25	22.45	22.48	22.47				
10	64QAM	1	49	22.39	22.54	22.51				
10	64QAM	25	0	21.38	21.55	21.38				
10	64QAM	25	12	21.49	21.39	21.44				
10	64QAM	25	25	21.33	21.50	21.54				
10	64QAM	50	0	21.40	21.55	21.55				
10	256QAM	1	0	19.31	19.54	19.44				
10	256QAM	1	25	19.32	19.41	19.38				
10	256QAM	1	49	19.39	19.50	19.43				
10	256QAM	25	0	19.37	19.52	19.37				
10	256QAM	25	12	19.36	19.45	19.39				
10	256QAM	25	25	19.44	19.41	19.43				
10	256QAM	50	0	19.36	19.47	19.51				
Channel				37775	38000	38225				
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	24.53	24.65	24.57	25.5	0		
5	QPSK	1	12	24.46	24.57	24.50				
5	QPSK	1	24	24.34	24.58	24.48				
5	QPSK	12	0	23.46	23.57	23.42				
5	QPSK	12	7	23.42	23.48	23.48				
5	QPSK	12	13	23.47	23.38	23.41				
5	QPSK	25	0	23.51	23.59	23.47				
5	16QAM	1	0	23.50	23.53	23.54				
5	16QAM	1	12	23.38	23.47	23.38				
5	16QAM	1	24	23.40	23.39	23.43				
5	16QAM	12	0	22.34	22.50	22.43				
5	16QAM	12	7	22.43	22.36	22.53				
5	16QAM	12	13	22.38	22.52	22.35				
5	16QAM	25	0	22.43	22.53	22.43				
5	64QAM	1	0	22.55	22.58	22.51				
5	64QAM	1	12	22.44	22.43	22.36				
5	64QAM	1	24	22.45	22.57	22.42				
5	64QAM	12	0	21.35	21.62	21.40				
5	64QAM	12	7	21.44	21.36	21.44				
5	64QAM	12	13	21.42	21.49	21.48				
5	64QAM	25	0	21.40	21.49	21.53				
5	256QAM	1	0	19.32	19.48	19.42				
5	256QAM	1	12	19.41	19.48	19.40				
5	256QAM	1	24	19.39	19.40	19.40				
5	256QAM	12	0	19.39	19.54	19.44				
5	256QAM	12	7	19.33	19.49	19.31				
5	256QAM	12	13	19.41	19.41	19.47				
5	256QAM	25	0	19.38	19.47	19.46				

Band 41 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				39750	40185	40620				
Frequency (MHz)				25600	25645	25690				
20	QPSK	1	0	24.71	24.60	24.81	24.74	24.75		
20	QPSK	1	49	24.60	24.68	24.74	24.64	24.62		
20	QPSK	1	99	24.72	24.58	24.77	24.64	24.64		
20	QPSK	50	0	23.75	23.64	23.79	23.69	23.70		
20	QPSK	50	24	23.63	23.66	23.68	23.68	23.68		
20	QPSK	50	50	23.64	23.63	23.73	23.62	23.68		
20	QPSK	100	0	23.60	23.51	23.73	23.56	23.69		
20	16QAM	1	0	23.71	23.63	23.75	23.67	23.64		
20	16QAM	1	49	23.54	23.58	23.61	23.57	23.56		
20	16QAM	1	99	23.57	23.63	23.63	23.62	23.62		
20	16QAM	50	0	22.68	22.56					





Band 2 Ant4 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp Ch / Freq	Power Pwr Ch / Freq	Time-up (min)	MPR (dB)		
Channel										
1800 1860 1920										
20	QPSK	1	0	20.77	20.90	20.86		22.5	0	
20	QPSK	1	49	20.81	20.74	20.68				
20	QPSK	1	99	20.81	20.74	20.68				
20	QPSK	50	0	20.78	20.88	20.80				
20	QPSK	50	24	20.72	20.81	20.81				
20	QPSK	50	50	20.80	20.87	20.79				
20	HQAM	100	0	20.75	20.84	20.77				
20	HQAM	100	24	20.74	20.85	20.80				
20	HQAM	1	49	20.86	20.78	20.81				
20	HQAM	1	99	20.88	20.84	20.82				
20	HQAM	50	0	20.74	20.92	20.88				
20	HQAM	50	24	20.89	20.73	20.70				
20	HQAM	50	50	20.88	20.74	20.68				
20	HQAM	100	0	20.72	20.87	20.87				
20	HQAM	1	49	20.80	20.78	20.84				
20	HQAM	1	99	20.73	20.83	20.72				
20	HQAM	50	0	20.19	20.30	20.27				
20	HQAM	50	24	20.08	20.12	20.20				
20	HQAM	50	50	20.09	20.92	20.81				
20	HQAM	100	0	20.14	20.33	20.21				
20	HQAM	1	49	20.18	20.28	20.18				
20	HQAM	1	99	18.15	18.28	18.13				
20	HQAM	1	99	18.18	18.21	18.13				
20	HQAM	50	0	20.17	20.34	20.19				
20	HQAM	50	24	18.20	18.13	18.29				
20	HQAM	50	50	18.26	18.20	18.23				
20	HQAM	100	0	18.22	18.18	18.20				
Channel										
1860 1920 1980										
16	QPSK	1	0	20.86	20.80	20.78		22.5	0	
16	QPSK	1	49	20.87	20.86	20.82				
16	QPSK	1	99	20.87	20.86	20.82				
16	QPSK	50	0	20.84	20.82	20.87				
16	QPSK	50	24	20.82	20.78	20.81				
16	QPSK	50	50	20.87	20.87	20.87				
16	HQAM	100	0	20.81	20.74	20.81				
16	HQAM	100	24	20.88	20.74	20.81				
16	HQAM	1	49	20.82	20.88	20.88				
16	HQAM	1	99	20.88	20.82	20.88				
16	HQAM	50	0	20.86	20.86	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83	20.77	20.75				
16	HQAM	100	24	20.82	20.84	20.83				
16	HQAM	1	49	20.83	20.87	20.87				
16	HQAM	1	99	20.83	20.87	20.87				
16	HQAM	50	0	20.85	20.87	20.88				
16	HQAM	50	24	20.85	20.87	20.88				
16	HQAM	50	50	20.86	20.87	20.88				
16	HQAM	100	0	20.83						



Band 38 Ant4 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low High Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.56	20.64	20.81	22	0		
20	QPSK	1	49	20.48	20.59	20.51				
20	QPSK	1	99	20.44	20.51	20.44				
20	QPSK	50	0	20.51	20.62	20.56				
20	QPSK	50	24	20.43	20.55	20.47				
20	QPSK	50	50	20.39	20.48	20.44	22	0		
20	QPSK	100	0	20.47	20.59	20.50				
20	16QAM	1	0	20.48	20.57	20.47				
20	16QAM	1	49	20.41	20.51	20.48				
20	16QAM	1	99	20.44	20.48	20.36				
20	16QAM	50	0	20.48	20.54	20.42				
20	16QAM	50	24	20.42	20.46	20.43				
20	16QAM	50	50	20.32	20.43	20.35	22	0		
20	16QAM	100	0	20.54	20.58	20.53				
20	64QAM	1	0	20.47	20.56	20.42				
20	64QAM	1	49	20.35	20.42	20.28				
20	64QAM	1	99	20.35	20.48	20.38				
20	64QAM	50	0	20.49	20.53	20.46				
20	64QAM	50	24	20.41	20.47	20.42				
20	64QAM	50	50	20.29	20.40	20.32	22	0		
20	64QAM	100	0	20.29	20.42	20.29				
20	256QAM	1	0	18.30	18.44	18.35				
20	256QAM	1	49	18.32	18.41	18.40				
20	256QAM	1	99	18.33	18.38	18.36	20	2		
20	256QAM	50	0	18.30	18.47	18.38				
20	256QAM	50	24	18.31	18.43	18.37				
20	256QAM	50	50	18.41	18.40	18.33	20	2		
20	256QAM	100	0	18.31	18.47	18.33				
Channel				37825	38000	38175				
Frequency (MHz)				25775	25925	26125				
15	QPSK	1	0	20.48	20.52	20.50	22	0		
15	QPSK	1	37	20.37	20.48	20.38				
15	QPSK	1	74	20.39	20.39	20.31				
15	QPSK	36	0	20.47	20.51	20.52				
15	QPSK	36	20	20.39	20.46	20.37				
15	QPSK	36	39	20.28	20.41	20.32	22	0		
15	QPSK	75	0	20.44	20.53	20.35				
15	16QAM	1	0	20.40	20.44	20.44				
15	16QAM	1	37	20.30	20.38	20.34				
15	16QAM	1	74	20.36	20.42	20.31				
15	16QAM	36	0	20.34	20.46	20.30				
15	16QAM	36	20	20.34	20.34	20.30				
15	16QAM	36	39	20.18	20.35	20.31	22	0		
15	16QAM	75	0	20.45	20.52	20.49				
15	64QAM	1	0	20.34	20.50	20.31				
15	64QAM	1	37	20.31	20.32	20.18				
15	64QAM	1	74	20.32	20.37	20.30				
15	64QAM	36	0	20.43	20.42	20.33				
15	64QAM	36	20	20.35	20.42	20.28				
15	64QAM	36	39	20.13	20.29	20.21	22	0		
15	64QAM	75	0	20.24	20.29	20.25				
15	256QAM	1	0	18.25	18.34	18.23				
15	256QAM	1	37	18.22	18.36	18.37	20	2		
15	256QAM	1	74	18.18	18.31	18.23				
15	256QAM	36	0	18.28	18.38	18.29				
15	256QAM	36	20	18.17	18.35	18.33				
15	256QAM	36	39	18.35	18.37	18.23	20	2		
15	256QAM	75	0	18.26	18.40	18.23				
Channel				37620	38000	38220				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.42	20.58	20.53	22	0		
10	QPSK	1	25	20.35	20.52	20.39				
10	QPSK	1	49	20.40	20.37	20.40				
10	QPSK	25	0	20.40	20.51	20.45				
10	QPSK	25	12	20.34	20.41	20.42				
10	QPSK	25	25	20.25	20.43	20.39				
10	QPSK	50	0	20.38	20.50	20.42				
10	16QAM	1	0	20.38	20.48	20.41				
10	16QAM	1	25	20.38	20.45	20.34				
10	16QAM	1	49	20.36	20.38	20.33				
10	16QAM	25	0	20.45	20.40	20.38				
10	16QAM	25	12	20.34	20.38	20.35				
10	16QAM	25	25	20.24	20.37	20.22				
10	16QAM	50	0	20.47	20.52	20.47				
10	64QAM	1	0	20.40	20.51	20.40				
10	64QAM	1	25	20.29	20.35	20.20				
10	64QAM	1	49	20.23	20.40	20.28				
10	64QAM	25	0	20.43	20.39	20.40				
10	64QAM	25	12	20.32	20.42	20.38				
10	64QAM	25	25	20.12	20.28	20.27	22	0		
10	64QAM	50	0	20.24	20.38	20.17				
10	256QAM	1	0	18.27	18.35	18.29				
10	256QAM	1	25	18.28	18.33	18.30	20	2		
10	256QAM	1	49	18.19	18.25	18.21				
10	256QAM	25	0	18.15	18.44	18.23				
10	256QAM	25	12	18.28	18.39	18.30				
10	256QAM	25	25	18.38	18.35	18.23	20	2		
10	256QAM	50	0	18.24	18.36	18.20				
Channel				37775	38000	38225				
Frequency (MHz)				25725	2595	26175				
5	QPSK	1	0	20.47	20.62	20.52	22	0		
5	QPSK	1	12	20.36	20.49	20.37				
5	QPSK	1	24	20.40	20.40	20.37				
5	QPSK	12	0	20.45	20.58	20.49				
5	QPSK	12	7	20.32	20.41	20.36				
5	QPSK	12	13	20.28	20.43	20.29				
5	QPSK	25	0	20.35	20.52	20.39				
5	16QAM	1	0	20.44	20.49	20.38				
5	16QAM	1	12	20.37	20.36	20.39				
5	16QAM	1	24	20.41	20.36	20.28				
5	16QAM	12	0	20.36	20.40	20.34				
5	16QAM	12	7	20.31	20.37	20.32				
5	16QAM	12	13	20.26	20.37	20.24				
5	16QAM	25	0	20.49	20.50	20.50				
5	64QAM	1	0	20.39	20.43	20.31				
5	64QAM	1	12	20.28	20.34	20.20				
5	64QAM	1	24	20.23	20.37	20.25				
5	64QAM	12	0	20.34	20.46	20.36				
5	64QAM	12	7	20.38	20.36	20.35				
5	64QAM	12	13	20.16	20.29	20.26	22	0		
5	64QAM	25	0	20.24	20.28	20.14				
5	256QAM	1	0	18.16	18.32	18.25				
5	256QAM	1	12	18.25	18.28	18.26	20	2		
5	256QAM	1	24	18.21	18.30	18.22				
5	256QAM	12	0	18.28	18.35	18.30				
5	256QAM	12	7	18.19	18.38	18.29				
5	256QAM	12	13	18.38	18.29	18.26	20	2		
5	256QAM	25	0	18.27	18.43	18.27				

Band 41 Ant4 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low High Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	20.30	20.23	20.34	20.12	20.15	21.5	0
20	QPSK	1	49	20.28	20.25	20.28	20.16	20.10		
20	QPSK	1	99	20.23	20.16	20.23	20.17	20.04		
20	QPSK	50	0	20.15	20.07	20.21	20.03	20.05		
20	QPSK	50	24	20.05	20.10	20.18	20.10	20.08	21.5	0
20	QPSK	50	50	20.03	20.03	20.15	20.01	20.03		
20	QPSK	100	0	20.13	20.05	20.18	20.00	20.08		
20	16QAM	1	0	20.25	20.17	20.25	20.19	20.16		
20	16QAM	1	49	20.16	20.11	20.16	20.07	20.07	21.5	0
20	16QAM	1	99	20.19	20.1					



**GSM1900 Ant5 DSIS**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1829.2	1830	1830.8	28.00	18.02	18.03	18.03	19.00
GSM 1 Tx slot	20.52	20.41	20.47	28.00	17.52	17.41	17.47	19.00
GPRS 1 Tx slot	26.46	26.39	26.44	28.00	17.48	17.39	17.44	19.00
GPRS 2 Tx slots	23.15	23.23	23.08	25.00	17.15	17.23	17.08	18.00
GPRS 3 Tx slots	21.20	21.11	21.15	23.00	16.94	17.05	16.89	18.74
GPRS 4 Tx slots	20.43	20.45	20.38	22.00	17.43	17.49	17.36	19.00
EDGE 1 Tx slot	24.08	24.26	24.12	28.00	15.08	15.26	15.12	17.00
EDGE 2 Tx slots	21.15	21.18	21.07	23.00	15.15	15.18	15.07	17.00
EDGE 3 Tx slots	18.11	18.16	18.27	21.00	14.85	14.93	15.01	16.74
EDGE 4 Tx slots	18.05	18.20	18.11	20.00	15.05	15.20	15.11	17.50

**WCDMA # Ant5 DSIS**

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9862	9800	9938	1537	1638	1738	1838	
Frequency (MHz)	1852.4	1838	1823.6	1732.4	1732	1732.8	1732.8	
3GPP Rel 99 RMC 12.2kops	18.30	18.41	18.22	19.50	17.81	17.84	17.76	19.00
3GPP Rel 99 RMC 12.2kops	18.38	18.46	18.28	19.50	17.88	17.91	17.87	19.00
3GPP Rel 6 HSDPA Subtest-1	17.12	17.42	17.33	18.50	16.84	16.97	16.76	18.00
3GPP Rel 6 HSDPA Subtest-2	17.50	17.43	17.31	18.50	16.97	16.98	16.74	18.00
3GPP Rel 6 HSDPA Subtest-3	16.89	16.93	16.84	18.00	16.41	16.41	16.22	17.50
3GPP Rel 6 HSDPA Subtest-4	16.75	16.98	16.86	18.00	16.37	16.51	16.31	17.50
3GPP Rel 6 DCHSDPA Subtest-1	17.27	17.51	17.47	18.50	16.82	16.97	16.61	18.00
3GPP Rel 6 DCHSDPA Subtest-2	17.41	17.42	17.21	18.50	16.91	16.97	16.90	18.00
3GPP Rel 6 DCHSDPA Subtest-3	16.77	16.95	16.67	18.00	16.38	16.37	16.18	17.50
3GPP Rel 6 DCHSDPA Subtest-4	16.73	17.01	16.91	18.00	16.54	16.40	16.29	17.50
3GPP Rel 6 HSUPA Subtest-1	17.08	17.38	17.41	18.50	16.92	16.87	16.71	18.00
3GPP Rel 6 HSUPA Subtest-2	15.23	15.38	15.36	16.50	14.85	14.85	14.74	16.00
3GPP Rel 6 HSUPA Subtest-3	16.26	16.45	16.27	17.50	15.79	16.00	15.76	17.00
3GPP Rel 6 HSUPA Subtest-4	15.23	15.51	15.38	16.50	14.98	14.95	14.88	16.00
3GPP Rel 6 HSUPA Subtest-5	17.23	17.41	17.28	18.50	16.66	16.95	16.72	18.00
3GPP Rel 7 HSPA (HSPA) Subtest-1	14.66	14.91	14.81	16.00	14.32	14.35	14.13	15.50



Band 4 Ant5 DS15										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.69	18.90	18.91				
20	QPSK	1	49	18.77	18.98	18.94				
20	QPSK	1	99	18.79	18.93	18.85			0	
20	QPSK	50	0	18.88	18.90	18.87				
20	QPSK	50	24	18.82	18.91	18.72				
20	QPSK	50	50	18.74	18.86	18.70			0	
20	QPSK	100	0	18.76	18.88	18.73				
20	16QAM	1	0	18.77	18.84	18.77				
20	16QAM	1	49	18.76	18.82	18.77				
20	16QAM	1	99	18.77	18.82	18.73				
20	16QAM	50	0	18.84	18.86	18.81				
20	16QAM	50	24	18.74	18.84	18.81			0	
20	16QAM	50	50	18.76	18.93	18.84				
20	16QAM	100	0	18.82	18.85	18.80				
20	16QAM	1	0	18.76	18.91	18.87				
20	64QAM	1	0	18.71	18.86	18.84			0	
20	64QAM	1	49	18.76	18.91	18.86				
20	64QAM	1	99	18.72	18.87	18.78				
20	64QAM	50	0	18.87	18.96	18.83				
20	64QAM	50	24	18.82	18.85	18.72			0	
20	64QAM	50	50	18.83	18.86	18.75				
20	256QAM	1	0	18.83	18.96	18.78				
20	256QAM	1	49	18.79	18.90	18.79				
20	256QAM	1	99	18.77	18.78	18.83				
20	256QAM	50	0	18.82	18.85	18.83				
20	256QAM	50	24	18.81	18.78	18.81				
20	256QAM	50	50	18.70	18.81	18.81				
20	256QAM	100	0	18.75	18.82	18.80				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.71	18.90	18.82				
15	QPSK	1	37	18.68	18.74	18.73				
15	QPSK	1	74	18.66	18.84	18.87				
15	QPSK	36	0	18.80	18.88	18.75				
15	QPSK	36	20	18.65	18.68	18.68				
15	QPSK	36	39	18.68	18.82	18.60				
15	QPSK	75	0	18.62	18.79	18.67				
15	16QAM	1	0	18.65	18.77	18.67				
15	16QAM	1	37	18.65	18.71	18.73				
15	16QAM	1	74	18.68	18.86	18.86				
15	16QAM	36	0	18.69	18.83	18.87				
15	16QAM	36	20	18.60	18.70	18.69				
15	16QAM	36	39	18.70	18.84	18.72				
15	16QAM	75	0	18.72	18.85	18.78				
15	16QAM	75	0	18.76	18.77	18.77				
15	64QAM	1	0	18.70	18.84	18.72				
15	64QAM	1	37	18.76	18.82	18.80				
15	64QAM	1	74	18.65	18.82	18.72				
15	64QAM	36	0	18.85	18.80	18.87				
15	64QAM	36	20	18.79	18.79	18.84				
15	64QAM	36	39	18.79	18.70	18.82				
15	64QAM	75	0	18.75	18.70	18.70				
15	256QAM	1	0	18.75	18.74	18.79				
15	256QAM	1	37	18.73	18.87	18.70				
15	256QAM	1	74	18.72	18.78	18.71				
15	256QAM	36	0	18.67	18.72	18.77				
15	256QAM	36	20	18.77	18.72	18.72				
15	256QAM	36	39	18.63	18.78	18.67				
15	256QAM	75	0	18.71	18.79	18.83				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.70	18.84	18.72				
10	QPSK	1	25	18.65	18.83	18.77				
10	QPSK	1	49	18.71	18.86	18.85				
10	QPSK	12	0	18.68	18.81	18.81				
10	QPSK	12	12	18.68	18.78	18.85				
10	QPSK	25	0	18.62	18.72	18.85				
10	16QAM	1	0	18.66	18.73	18.87				
10	16QAM	1	24	18.68	18.72	18.85				
10	16QAM	1	49	18.71	18.76	18.75				
10	16QAM	12	0	18.67	18.79	18.73				
10	16QAM	12	12	18.72	18.84	18.78				
10	16QAM	50	0	18.69	18.73	18.89				
10	64QAM	1	0	18.72	18.84	18.72				
10	64QAM	1	24	18.64	18.82	18.72				
10	64QAM	1	49	18.65	18.88	18.74				
10	64QAM	12	0	18.68	18.78	18.86				
10	64QAM	12	12	18.70	18.79	18.85				
10	64QAM	50	0	18.78	18.73	18.71				
10	256QAM	1	0	18.69	18.85	18.86				
10	256QAM	1	49	18.64	18.85	18.71				
10	256QAM	12	0	18.68	18.80	18.87				
10	256QAM	12	12	18.68	18.78	18.86				
10	256QAM	25	0	18.61	18.77	18.88				
10	256QAM	50	0	18.64	18.87	18.73				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.70	18.84	18.72				
5	QPSK	1	12	18.66	18.82	18.70				
5	QPSK	1	24	18.73	18.81	18.78				
5	QPSK	12	0	18.61	18.81	18.81				
5	QPSK	12	7	18.74	18.79	18.59				
5	QPSK	12	13	18.71	18.74	18.83				
5	QPSK	25	0	18.65	18.81	18.83				
5	16QAM	1	0	18.68	18.73	18.83				
5	16QAM	1	12	18.72	18.72	18.73				
5	16QAM	1	24	18.65	18.84	18.87				
5	16QAM	12	0	18.79	18.85	18.70				
5	16QAM	12	7	18.60	18.76	18.72				
5	16QAM	12	13	18.68	18.80	18.73				
5	16QAM	25	0	18.73	18.83	18.74				
5	64QAM	1	0	18.62	18.85	18.78				
5	64QAM	1	12	18.69	18.80	18.82				
5	64QAM	1	24	18.69	18.70	18.74				
5	64QAM	12	0	18.69	18.80	18.86				
5	64QAM	12	7	18.77	18.79	18.79				
5	64QAM	12	13	18.72	18.70	18.87				
5	64QAM	25	0	18.70	18.78	18.82				
5	256QAM	1	0	18.76	18.76	18.86				
5	256QAM	1	12	18.68	18.80	18.87				
5	256QAM	1	24	18.69	18.85	18.70				
5	256QAM	12	0	18.64	18.81	18.78				
5	256QAM	12	7	18.69	18.80	18.86				
5	256QAM	12	13	18.62	18.78	18.76				
5	256QAM	25	0	18.68	18.77	18.72				
Channel										
Frequency (MHz)										
3	QPSK	0	0	18.78	18.86	18.83				
3	QPSK	1	8	18.64	18.83	18.75				
3	QPSK	1	14	18.74	18.89	18.70				
3	QPSK	8	0	18.75	18.81	18.73				
3	QPSK	8	4	18.73	18.73	18.69				
3	QPSK	8	7	18.62	18.78	18.66				
3	QPSK	15	0	18.64	18.80	18.83				
3	16QAM	1	0	18.65	18.69	18.68				
3	16QAM	1	8	18.73	18.69	18.74				
3	16QAM	1	15	18.69	18.80	18.69				
3	16QAM	8	0	18.70	18.78	18.76				
3	16QAM	8	4	18.68	18.78	18.72				
3	16QAM	8	7	18.66	18.86	18.70				
3	64QAM	1	0	18.71	18.74	18.68				
3	64QAM	1	8	18.66	18.83	18.87				
3	64QAM	1	14	18.66	18.83	18.73				
3	64QAM	8	0	18.65	18.79	18.84				
3	64QAM	8	4	18.70	18.73	18.87				
3	64QAM	8	7	18.70	18.73	18.87				
3	256QAM	1	0	18.71	18.82	18.69				
3	256QAM	1	8	18						



Band 38 Ant5 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	21.28	21.41	21.36				
20	QPSK	1	49	21.22	21.35	21.28	22	0		
20	QPSK	1	99	21.24	21.37	21.32				
20	QPSK	50	0	21.21	21.34	21.16				
20	QPSK	50	24	21.18	21.25	21.16				
20	QPSK	50	50	21.12	21.28	21.19	22	0		
20	QPSK	100	0	21.22	21.31	21.28				
20	16QAM	1	0	21.24	21.34	21.22				
20	16QAM	1	49	21.15	21.29	21.22	22	0		
20	16QAM	1	99	21.16	21.28	21.19				
20	16QAM	50	0	21.26	21.32	21.27				
20	16QAM	50	24	21.24	21.34	21.23				
20	16QAM	50	50	21.27	21.30	21.25	22	0		
20	16QAM	100	0	21.16	21.32	21.17				
20	64QAM	1	0	21.12	21.28	21.21				
20	64QAM	1	49	21.23	21.30	21.16	22	0		
20	64QAM	1	99	21.15	21.28	21.17				
20	64QAM	50	0	20.50	20.71	20.60				
20	64QAM	50	24	20.52	20.58	20.61				
20	64QAM	50	50	20.52	20.62	20.56	21.5	0.5		
20	256QAM	1	0	18.52	18.73	18.69				
20	256QAM	1	49	18.62	18.61	18.63	19.5	2.5		
20	256QAM	1	99	18.58	18.59	18.62				
20	256QAM	50	0	18.56	18.76	18.58				
20	256QAM	50	24	18.64	18.65	18.59	19.5	2.5		
20	256QAM	50	50	18.58	18.74	18.58				
20	256QAM	100	0	18.58	18.68	18.54				
Channel				37825	38000	38175				
Frequency (MHz)				25775	2595	2612.5				
15	QPSK	1	0	21.23	21.30	21.28				
15	QPSK	1	37	21.15	21.23	21.20	22	0		
15	QPSK	1	74	21.15	21.27	21.25				
15	QPSK	36	0	21.12	21.27	21.03				
15	QPSK	36	20	21.15	21.14	21.08	22	0		
15	QPSK	36	39	20.97	21.23	21.12				
15	QPSK	75	0	21.11	21.22	21.16				
15	16QAM	1	0	21.20	21.28	21.11				
15	16QAM	1	37	21.09	21.23	21.18	22	0		
15	16QAM	1	74	21.09	21.13	21.06				
15	16QAM	36	0	21.18	21.18	21.17				
15	16QAM	36	20	21.12	21.23	21.16	22	0		
15	16QAM	36	39	21.23	21.15	21.11				
15	16QAM	75	0	21.07	21.27	21.08				
15	64QAM	1	0	21.03	21.18	21.18				
15	64QAM	1	37	21.13	21.18	21.10	22	0		
15	64QAM	1	74	21.06	21.17	21.02				
15	64QAM	36	0	20.37	20.63	20.46				
15	64QAM	36	20	20.45	20.53	20.49	21.5	0.5		
15	64QAM	36	39	20.47	20.54	20.45				
15	64QAM	75	0	20.43	20.52	20.58				
15	256QAM	1	0	18.48	18.68	18.63				
15	256QAM	1	37	18.56	18.57	18.48	19.5	2.5		
15	256QAM	1	74	18.45	18.47	18.53				
15	256QAM	36	0	18.48	18.65	18.46				
15	256QAM	36	20	18.56	18.59	18.53	19.5	2.5		
15	256QAM	36	39	18.46	18.63	18.51				
15	256QAM	75	0	18.51	18.64	18.50				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	21.16	21.29	21.29				
10	QPSK	1	25	21.08	21.27	21.15	22	0		
10	QPSK	1	49	21.11	21.31	21.21				
10	QPSK	25	0	21.10	21.16	21.10				
10	QPSK	25	12	21.15	21.16	21.11				
10	QPSK	25	25	21.06	21.19	21.05	22	0		
10	QPSK	50	0	21.17	21.20	21.25				
10	16QAM	1	0	21.11	21.28	21.09				
10	16QAM	1	25	21.06	21.25	21.06	22	0		
10	16QAM	1	49	21.03	21.19	21.06				
10	16QAM	25	0	21.22	21.20	21.13				
10	16QAM	25	12	21.15	21.27	21.14	22	0		
10	16QAM	25	25	21.13	21.17	21.11				
10	16QAM	50	0	21.06	21.19	21.08				
10	64QAM	1	0	21.07	21.21	21.12				
10	64QAM	1	25	21.17	21.24	21.04	22	0		
10	64QAM	1	49	21.07	21.18	21.10				
10	64QAM	25	0	20.42	20.63	20.51				
10	64QAM	25	12	20.38	20.50	20.57	21.5	0.5		
10	64QAM	25	25	20.47	20.50	20.42				
10	64QAM	50	0	20.48	20.53	20.56				
10	256QAM	1	0	18.43	18.69	18.56				
10	256QAM	1	25	18.53	18.55	18.53	19.5	2.5		
10	256QAM	1	49	18.51	18.56	18.58				
10	256QAM	25	0	18.44	18.67	18.51				
10	256QAM	25	12	18.52	18.56	18.47	19.5	2.5		
10	256QAM	25	25	18.47	18.66	18.47				
10	256QAM	50	0	18.54	18.60	18.41				
Channel				37775	38000	38225				
Frequency (MHz)				25725	2595	2617.5				
5	QPSK	1	0	21.20	21.28	21.32				
5	QPSK	1	12	21.19	21.28	21.19	22	0		
5	QPSK	1	24	21.13	21.29	21.26				
5	QPSK	12	0	21.12	21.22	21.07				
5	QPSK	12	7	21.13	21.12	21.06	22	0		
5	QPSK	12	13	20.99	21.18	21.04				
5	QPSK	25	0	21.08	21.18	21.16				
5	16QAM	1	0	21.21	21.29	21.15				
5	16QAM	1	12	21.05	21.15	21.18	22	0		
5	16QAM	1	24	21.03	21.14	21.09				
5	16QAM	12	0	21.23	21.19	21.20				
5	16QAM	12	7	21.19	21.29	21.19	22	0		
5	16QAM	12	13	21.23	21.17	21.13				
5	16QAM	25	0	21.11	21.18	21.05				
5	64QAM	1	0	21.01	21.18	21.06				
5	64QAM	1	12	21.12	21.23	21.10	22	0		
5	64QAM	1	24	21.01	21.16	21.07				
5	64QAM	12	0	20.38	20.60	20.48				
5	64QAM	12	7	20.44	20.46	20.48	21.5	0.5		
5	64QAM	12	13	20.46	20.36	20.44				
5	64QAM	25	0	20.48	20.56	20.51				
5	256QAM	1	0	18.43	18.60	18.66				
5	256QAM	1	12	18.49	18.55	18.59	19.5	2.5		
5	256QAM	1	24	18.53	18.51	18.50				
5	256QAM	12	0	18.48	18.71	18.44				
5	256QAM	12	7	18.56	18.58	18.55	19.5	2.5		
5	256QAM	12	13	18.53	18.69	18.44				
5	256QAM	25	0	18.55	18.58	18.42				

Band 41 Ant5 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	21.31	21.43	21.46				
20	QPSK	1	49	21.28	21.36	21.41	22	0		
20	QPSK	1	99	21.29	21.32	21.38				
20	QPSK	50	0	21.23	21.24	21.42				
20	QPSK	50	24	21.28	21.35	21.31	22	0		
20	QPSK	50	50	21.27	21.21	21.36				
20	QPSK	100	0	21.27	21.27	21.37				
20	16QAM	1	0	21.37	21.32	21.46				
20	16QAM	1	49	21.29	21.31	21.37	22	0		
20	16QAM	1	99	21.27	21.24	21.39				
20	16QAM	50	0	21.28	21.29	21.37				



Band 42 FCC Part27Q Ant9 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.06	19.21	19.12	20.2	0	
20	QPSK	1	49	19.14	19.18	19.11			
20	QPSK	1	99	19.10	19.14	19.02			
20	QPSK	50	0	18.99	19.17	19.04	20.2	0	
20	QPSK	50	24	19.07	19.13	19.05			
20	QPSK	100	0	19.03	19.10	19.06			
20	16QAM	1	0	19.06	19.19	19.00	20.2	0	
20	16QAM	1	49	19.06	19.14	19.16			
20	16QAM	1	99	19.00	19.14	19.03			
20	16QAM	50	0	19.06	19.06	19.04	20.2	0	
20	16QAM	50	24	18.91	19.12	18.92			
20	16QAM	50	50	19.04	19.19	18.99			
20	16QAM	100	0	19.02	19.06	19.14	20.2	0	
20	64QAM	1	0	18.92	19.13	18.96			
20	64QAM	1	49	19.06	19.07	18.98			
20	64QAM	1	99	18.99	19.11	19.05	20.2	0	
20	64QAM	50	0	18.96	19.14	19.04			
20	64QAM	50	24	19.10	19.05	19.07			
20	64QAM	50	50	19.01	19.05	18.97	20.2	0	
20	64QAM	100	0	19.02	19.09	18.97			
20	256QAM	1	0	18.98	19.13	18.98			
20	256QAM	1	49	19.02	19.14	19.00	20.2	0	
20	256QAM	1	99	19.11	19.18	19.05			
20	256QAM	50	0	19.15	19.16	19.03			
20	256QAM	50	24	19.11	19.10	19.02	20.2	0	
20	256QAM	50	50	19.06	19.11	18.99			
20	256QAM	100	0	19.02	19.16	18.94			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.95	19.06	18.95	20.2	0	
15	QPSK	1	37	19.10	19.05	19.04			
15	QPSK	1	74	19.07	19.02	18.96			
15	QPSK	36	0	18.86	19.01	18.89	20.2	0	
15	QPSK	36	20	18.97	19.05	18.99			
15	QPSK	36	39	18.99	19.03	18.99			
15	QPSK	75	0	18.97	19.04	18.94	20.2	0	
15	16QAM	1	0	18.93	19.15	18.91			
15	16QAM	1	37	18.99	19.02	19.12			
15	16QAM	1	74	18.90	19.10	19.01	20.2	0	
15	16QAM	36	0	18.93	18.96	19.01			
15	16QAM	36	20	18.76	19.05	18.77			
15	16QAM	36	39	18.91	19.13	18.91	20.2	0	
15	16QAM	75	0	18.96	18.99	19.05			
15	64QAM	1	0	18.76	18.99	18.86			
15	64QAM	1	37	18.92	18.96	18.87	20.2	0	
15	64QAM	1	74	18.90	19.36	18.99			
15	64QAM	36	0	18.89	19.08	19.00			
15	64QAM	36	20	18.97	18.95	18.94	20.2	0	
15	64QAM	36	39	18.90	19.00	18.85			
15	64QAM	75	0	18.93	18.92	18.94			
15	256QAM	1	0	18.92	19.10	18.94	20.2	0	
15	256QAM	1	37	19.01	19.05	18.96			
15	256QAM	1	74	18.95	19.13	18.92			
15	256QAM	36	0	19.05	19.09	18.98	20.2	0	
15	256QAM	36	20	19.01	19.05	18.98			
15	256QAM	36	39	18.99	19.04	18.82			
15	256QAM	75	0	18.99	19.11	18.83			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.91	19.17	19.07	20.2	0	
10	QPSK	1	25	19.00	19.09	19.04			
10	QPSK	1	49	18.96	18.99	18.97			
10	QPSK	25	0	18.89	19.14	18.97	20.2	0	
10	QPSK	25	12	18.96	19.03	18.96			
10	QPSK	25	25	18.86	19.01	19.04			
10	QPSK	50	0	18.90	19.07	18.92	20.2	0	
10	16QAM	1	0	18.99	19.02	18.90			
10	16QAM	1	25	19.01	19.08	19.01			
10	16QAM	1	49	18.96	19.08	18.95	20.2	0	
10	16QAM	25	0	18.97	18.96	18.99			
10	16QAM	25	12	18.76	19.07	18.85			
10	16QAM	25	25	18.93	19.04	18.89	20.2	0	
10	16QAM	50	0	18.96	18.93	19.08			
10	64QAM	1	0	18.93	19.08	18.82			
10	64QAM	1	25	18.96	18.92	18.96	20.2	0	
10	64QAM	1	49	18.85	18.97	18.93			
10	64QAM	25	0	18.92	19.04	18.89			
10	64QAM	25	12	19.01	18.96	18.92	20.2	0	
10	64QAM	25	25	18.96	19.06	18.82			
10	64QAM	50	0	18.88	18.98	18.82			
10	256QAM	1	0	18.86	18.98	18.94	20.2	0	
10	256QAM	1	25	18.85	19.09	18.86			
10	256QAM	1	49	19.02	19.10	19.03			
10	256QAM	25	0	19.00	19.03	18.91	20.2	0	
10	256QAM	25	12	19.01	19.00	18.99			
10	256QAM	25	25	19.03	18.98	18.84			
10	256QAM	50	0	18.93	19.12	18.89			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.00	19.16	19.08	20.2	0	
5	QPSK	1	12	19.11	19.02	19.08			
5	QPSK	1	24	19.01	19.02	18.90			
5	QPSK	12	0	18.91	19.10	18.94	20.2	0	
5	QPSK	12	7	18.99	18.97	18.97			
5	QPSK	12	13	19.01	18.93	19.00			
5	QPSK	25	0	18.96	19.06	18.98	20.2	0	
5	16QAM	1	0	18.96	19.14	18.94			
5	16QAM	1	12	19.00	19.01	19.09			
5	16QAM	1	24	18.97	19.10	18.88	20.2	0	
5	16QAM	12	0	18.98	18.92	19.00			
5	16QAM	12	7	18.96	18.97	18.77			
5	16QAM	12	13	18.94	19.10	18.96	20.2	0	
5	16QAM	25	0	19.01	18.92	19.01			
5	64QAM	1	0	18.80	19.09	18.89			
5	64QAM	1	12	18.98	18.95	18.87	20.2	0	
5	64QAM	1	24	18.85	18.94	19.00			
5	64QAM	12	0	18.94	18.97	18.99			
5	64QAM	12	7	19.07	19.02	19.04	20.2	0	
5	64QAM	12	13	18.85	19.03	18.94			
5	64QAM	25	0	18.87	18.97	18.94			
5	256QAM	1	0	18.87	19.01	18.86	20.2	0	
5	256QAM	1	12	19.00	19.04	18.90			
5	256QAM	1	24	18.95	19.03	19.01			
5	256QAM	12	0	19.02	19.07	18.91	20.2	0	
5	256QAM	12	7	19.08	18.97	18.92			
5	256QAM	12	13	18.95	19.03	18.96			
5	256QAM	25	0	18.95	19.05	18.88			



Band 42 FCC Part27Q Ant10 DS15									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.95	19.08	18.90			
20	QPSK	1	49	18.90	19.04	18.94	19.7	0	
20	QPSK	1	99	18.82	18.95	18.81			
20	QPSK	50	0	18.92	19.05	18.85			
20	QPSK	50	24	18.97	19.01	18.97			
20	QPSK	50	50	18.85	18.98	18.90	19.7	0	
20	QPSK	100	0	18.97	19.00	18.89			
20	16QAM	1	0	18.84	18.99	18.78			
20	16QAM	1	49	18.85	18.97	18.94	19.7	0	
20	16QAM	1	99	18.87	18.93	18.87			
20	16QAM	50	0	18.86	19.02	18.95			
20	16QAM	50	24	18.86	18.99	18.94	19.7	0	
20	16QAM	50	50	18.83	18.95	18.87			
20	16QAM	100	0	18.91	19.00	18.93			
20	64QAM	1	0	18.93	18.97	18.88			
20	64QAM	1	49	18.97	19.03	18.97	19.7	0	
20	64QAM	1	99	18.79	18.90	18.75			
20	64QAM	50	0	18.84	18.95	18.82			
20	64QAM	50	24	18.86	18.99	18.92	19.7	0	
20	64QAM	50	50	18.96	19.01	18.97			
20	64QAM	100	0	18.98	19.02	18.93			
20	256QAM	1	0	18.83	18.93	18.82			
20	256QAM	1	49	18.88	18.98	18.89	19.7	0	
20	256QAM	1	99	18.81	18.89	18.86			
20	256QAM	50	0	18.97	19.01	18.94			
20	256QAM	50	24	18.85	18.90	18.79	19.7	0	
20	256QAM	50	50	18.87	18.94	18.79			
20	256QAM	100	0	18.84	18.97	18.90			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.88	19.02	18.75			
15	QPSK	1	37	18.84	19.01	18.81	19.7	0	
15	QPSK	1	74	18.68	18.83	18.68			
15	QPSK	36	0	18.87	18.94	18.73			
15	QPSK	36	20	18.89	18.87	18.83	19.7	0	
15	QPSK	36	39	18.75	18.85	18.84			
15	QPSK	75	0	18.92	18.87	18.83			
15	16QAM	1	0	18.77	18.84	18.71			
15	16QAM	1	37	18.77	18.86	18.88	19.7	0	
15	16QAM	1	74	18.81	18.84	18.80			
15	16QAM	36	0	18.85	18.94	18.86			
15	16QAM	36	20	18.78	18.85	18.83	19.7	0	
15	16QAM	36	39	18.79	18.88	18.75			
15	16QAM	75	0	18.80	18.88	18.80			
15	64QAM	1	0	18.88	18.83	18.82			
15	64QAM	1	37	18.84	18.92	18.90	19.7	0	
15	64QAM	1	74	18.69	18.85	18.83			
15	64QAM	36	0	18.76	18.92	18.75			
15	64QAM	36	20	18.77	18.92	18.79	19.7	0	
15	64QAM	36	39	18.89	18.92	18.84			
15	64QAM	75	0	18.93	18.93	18.86			
15	256QAM	1	0	18.72	18.84	18.74			
15	256QAM	1	37	18.92	18.89	18.86	19.7	0	
15	256QAM	1	74	18.73	18.82	18.74			
15	256QAM	36	0	18.88	18.93	18.91			
15	256QAM	36	20	18.70	18.84	18.66	19.7	0	
15	256QAM	36	39	18.75	18.80	18.68			
15	256QAM	75	0	18.89	18.90	18.81			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.91	18.94	18.78			
10	QPSK	1	25	18.85	18.97	18.91	19.7	0	
10	QPSK	1	49	18.69	18.87	18.67			
10	QPSK	25	0	18.89	19.02	18.75			
10	QPSK	25	12	18.89	18.93	18.84	19.7	0	
10	QPSK	25	25	18.75	18.91	18.76			
10	QPSK	50	0	18.93	18.95	18.77			
10	16QAM	1	0	18.75	18.80	18.69			
10	16QAM	1	25	18.72	18.87	18.83	19.7	0	
10	16QAM	1	49	18.82	18.78	18.82			
10	16QAM	25	0	18.88	18.92	18.92			
10	16QAM	25	12	18.72	18.86	18.87	19.7	0	
10	16QAM	25	25	18.78	18.85	18.82			
10	16QAM	50	0	18.82	18.93	18.90			
10	64QAM	1	0	18.91	18.93	18.76			
10	64QAM	1	25	18.93	18.88	18.90	19.7	0	
10	64QAM	1	49	18.70	18.85	18.69			
10	64QAM	25	0	18.72	18.86	18.68	19.7	0	
10	64QAM	25	12	18.72	18.95	18.84			
10	64QAM	25	25	18.86	18.93	18.91			
10	64QAM	50	0	18.84	18.92	18.88			
10	256QAM	1	0	18.89	18.85	18.75			
10	256QAM	1	25	18.83	18.90	18.83	19.7	0	
10	256QAM	1	49	18.71	18.77	18.81			
10	256QAM	25	0	18.82	18.96	18.86			
10	256QAM	25	12	18.82	18.77	18.69	19.7	0	
10	256QAM	25	25	18.77	18.83	18.67			
10	256QAM	50	0	18.69	18.91	18.82			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.85	18.98	18.77			
5	QPSK	1	12	18.79	18.91	18.84	19.7	0	
5	QPSK	1	24	18.67	18.86	18.72			
5	QPSK	12	0	18.86	18.91	18.71			
5	QPSK	12	7	18.90	18.90	18.82	19.7	0	
5	QPSK	12	13	18.73	18.85	18.84			
5	QPSK	25	0	18.85	18.86	18.86			
5	16QAM	1	0	18.79	18.83	18.64			
5	16QAM	1	12	18.81	18.90	18.80	19.7	0	
5	16QAM	1	24	18.79	18.85	18.80			
5	16QAM	12	0	18.86	18.97	18.85			
5	16QAM	12	7	18.81	18.86	18.90	19.7	0	
5	16QAM	12	13	18.73	18.87	18.82			
5	16QAM	25	0	18.88	18.88	18.89			
5	64QAM	1	0	18.87	18.82	18.78			
5	64QAM	1	12	18.91	18.99	18.89	19.7	0	
5	64QAM	1	24	18.85	18.85	18.80			
5	64QAM	12	0	18.70	18.90	18.68			
5	64QAM	12	7	18.73	18.93	18.85	19.7	0	
5	64QAM	12	13	18.90	18.89	18.87			
5	64QAM	25	0	18.92	18.93	18.85			
5	256QAM	1	0	18.69	18.81	18.68			
5	256QAM	1	12	18.77	18.88	18.81	19.7	0	
5	256QAM	1	24	18.68	18.80	18.75			
5	256QAM	12	0	18.90	18.92	18.81			
5	256QAM	12	7	18.76	18.87	18.73	19.7	0	
5	256QAM	12	13	18.79	18.86	18.69			
5	256QAM	25	0	18.71	18.84	18.76			



Band 42 FCC Part27Q Ant11 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.32	18.53	18.45	19.2	0	
20	QPSK	1	49	18.38	18.50	18.37			
20	QPSK	1	99	18.31	18.43	18.36			
20	QPSK	50	0	18.30	18.49	18.42			
20	QPSK	50	24	18.37	18.42	18.31			
20	QPSK	50	50	18.36	18.44	18.35	19.2	0	
20	QPSK	100	0	18.26	18.47	18.37			
20	16QAM	1	0	18.35	18.42	18.28			
20	16QAM	1	49	18.23	18.36	18.28	19.2	0	
20	16QAM	1	99	18.24	18.31	18.21			
20	16QAM	50	0	18.39	18.46	18.34			
20	16QAM	50	24	18.32	18.40	18.26	19.2	0	
20	16QAM	50	50	18.25	18.35	18.27			
20	16QAM	100	0	18.36	18.49	18.43			
20	64QAM	1	0	18.37	18.50	18.43			
20	64QAM	1	49	18.39	18.46	18.37	19.2	0	
20	64QAM	1	99	18.28	18.42	18.32			
20	64QAM	50	0	18.37	18.51	18.38			
20	64QAM	50	24	18.36	18.43	18.31	19.2	0	
20	64QAM	50	50	18.41	18.47	18.40			
20	64QAM	100	0	18.40	18.48	18.34			
20	256QAM	1	0	18.33	18.43	18.31			
20	256QAM	1	49	18.30	18.38	18.29	19.2	0	
20	256QAM	1	99	18.19	18.32	18.18			
20	256QAM	50	0	18.38	18.45	18.41			
20	256QAM	50	24	18.17	18.32	18.28	19.2	0	
20	256QAM	50	50	18.29	18.41	18.34			
20	256QAM	100	0	18.38	18.48	18.37			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.18	18.42	18.34	19.2	0	
15	QPSK	1	37	18.27	18.37	18.32			
15	QPSK	1	74	18.23	18.30	18.26			
15	QPSK	36	0	18.19	18.42	18.29			
15	QPSK	36	20	18.22	18.29	18.20	19.2	0	
15	QPSK	36	39	18.26	18.34	18.24			
15	QPSK	75	0	18.14	18.39	18.28			
15	16QAM	1	0	18.26	18.36	18.24			
15	16QAM	1	37	18.11	18.33	18.17	19.2	0	
15	16QAM	1	74	18.20	18.24	18.16			
15	16QAM	36	0	18.27	18.39	18.27			
15	16QAM	36	20	18.25	18.32	18.20	19.2	0	
15	16QAM	36	39	18.13	18.23	18.23			
15	16QAM	75	0	18.24	18.34	18.38			
15	64QAM	1	0	18.34	18.47	18.38			
15	64QAM	1	37	18.25	18.33	18.22	19.2	0	
15	64QAM	1	74	18.22	18.30	18.23			
15	64QAM	36	0	18.29	18.40	18.24			
15	64QAM	36	20	18.22	18.33	18.25	19.2	0	
15	64QAM	36	39	18.36	18.40	18.36			
15	64QAM	75	0	18.31	18.39	18.22			
15	256QAM	1	0	18.27	18.32	18.24	19.2	0	
15	256QAM	1	37	18.14	18.29	18.20			
15	256QAM	1	74	18.09	18.27	18.07			
15	256QAM	36	0	18.26	18.35	18.36			
15	256QAM	36	20	18.07	18.25	18.16	19.2	0	
15	256QAM	36	39	18.16	18.37	18.20			
15	256QAM	75	0	18.25	18.37	18.25			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.25	18.48	18.41	19.2	0	
10	QPSK	1	25	18.30	18.46	18.34			
10	QPSK	1	49	18.19	18.29	18.22			
10	QPSK	25	0	18.25	18.40	18.30			
10	QPSK	25	12	18.25	18.35	18.22	19.2	0	
10	QPSK	25	25	18.24	18.37	18.29			
10	QPSK	50	0	18.21	18.44	18.29			
10	16QAM	1	0	18.32	18.34	18.20			
10	16QAM	1	25	18.12	18.21	18.16	19.2	0	
10	16QAM	1	49	18.11	18.26	18.14			
10	16QAM	25	0	18.33	18.34	18.22			
10	16QAM	25	12	18.27	18.32	18.13	19.2	0	
10	16QAM	25	25	18.21	18.25	18.16			
10	16QAM	50	0	18.29	18.37	18.37			
10	64QAM	1	0	18.26	18.44	18.33			
10	64QAM	1	25	18.26	18.37	18.23	19.2	0	
10	64QAM	1	49	18.22	18.37	18.21			
10	64QAM	25	0	18.26	18.44	18.32			
10	64QAM	25	12	18.26	18.36	18.18	19.2	0	
10	64QAM	25	25	18.29	18.39	18.28			
10	64QAM	50	0	18.32	18.36	18.31			
10	256QAM	1	0	18.28	18.28	18.17	19.2	0	
10	256QAM	1	25	18.23	18.34	18.19			
10	256QAM	1	49	18.15	18.17	18.04			
10	256QAM	25	0	18.31	18.34	18.29			
10	256QAM	25	12	18.07	18.22	18.13	19.2	0	
10	256QAM	25	25	18.23	18.29	18.26			
10	256QAM	50	0	18.26	18.40	18.27			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.25	18.46	18.41	19.2	0	
5	QPSK	1	12	18.30	18.46	18.34			
5	QPSK	1	24	18.19	18.29	18.22			
5	QPSK	12	0	18.25	18.40	18.30			
5	QPSK	12	7	18.25	18.35	18.22	19.2	0	
5	QPSK	12	13	18.24	18.37	18.29			
5	QPSK	25	0	18.21	18.44	18.29			
5	16QAM	1	0	18.32	18.34	18.20			
5	16QAM	1	12	18.12	18.21	18.16	19.2	0	
5	16QAM	1	24	18.11	18.26	18.14			
5	16QAM	12	0	18.33	18.34	18.22			
5	16QAM	12	7	18.27	18.32	18.13	19.2	0	
5	16QAM	12	13	18.21	18.25	18.16			
5	16QAM	25	0	18.29	18.37	18.37			
5	64QAM	1	0	18.26	18.44	18.33			
5	64QAM	1	12	18.26	18.37	18.23	19.2	0	
5	64QAM	1	24	18.32	18.37	18.21			
5	64QAM	12	0	18.26	18.44	18.32			
5	64QAM	12	7	18.26	18.38	18.18	19.2	0	
5	64QAM	12	13	18.29	18.39	18.28			
5	64QAM	25	0	18.32	18.36	18.31			
5	256QAM	1	0	18.28	18.28	18.17	19.2	0	
5	256QAM	1	12	18.23	18.34	18.19			
5	256QAM	1	24	18.15	18.17	18.04			
5	256QAM	12	0	18.31	18.34	18.29			
5	256QAM	12	7	18.07	18.22	18.13	19.2	0	
5	256QAM	12	13	18.23	18.29	18.26			
5	256QAM	25	0	18.26	18.40	18.27			





### Reduced Power Mode for DSI 5\_ENDC

Band 12 Ant1 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.56	21.79	21.58				
10	QPSK	1	25	21.62	21.63	21.65	23	0		
10	QPSK	1	49	21.42	21.71	21.50				
10	QPSK	25	0	21.62	21.74	21.54				
10	QPSK	25	12	21.56	21.68	21.59				
10	QPSK	25	25	21.53	21.41	21.51	23	0		
10	QPSK	50	0	21.41	21.54	21.43				
10	16QAM	1	0	21.56	21.72	21.65				
10	16QAM	1	25	21.60	21.73	21.66	23	0		
10	16QAM	1	49	21.46	21.62	21.45				
10	16QAM	25	0	21.67	21.68	21.60				
10	16QAM	25	12	21.68	21.67	21.42	23	0		
10	16QAM	25	25	21.52	21.53	21.55				
10	16QAM	50	0	21.43	21.56	21.63				
10	64QAM	1	0	21.63	21.69	21.67				
10	64QAM	1	25	21.58	21.62	21.45	23	0		
10	64QAM	1	49	21.38	21.68	21.58				
10	64QAM	25	0	20.54	20.77	20.60				
10	64QAM	25	12	20.50	20.59	20.58	22.5	0.5		
10	64QAM	25	25	20.55	20.56	20.69				
10	64QAM	50	0	20.53	20.69	20.58				
10	256QAM	1	0	19.02	19.06	19.16				
10	256QAM	1	25	19.13	19.11	19.13	20.5	2.5		
10	256QAM	1	49	18.97	19.00	19.22				
10	256QAM	25	0	19.17	19.14	19.03				
10	256QAM	25	12	18.91	19.01	19.00	20.5	2.5		
10	256QAM	25	25	19.08	19.26	19.02				
10	256QAM	50	0	18.97	19.20	19.13				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.58	21.73	21.55				
5	QPSK	1	12	21.57	21.49	21.51	23	0		
5	QPSK	1	24	21.58	21.64	21.56				
5	QPSK	12	0	21.68	21.70	21.41				
5	QPSK	12	7	21.47	21.59	21.57	23	0		
5	QPSK	12	13	21.60	21.49	21.61				
5	QPSK	25	0	21.28	21.65	21.62				
5	16QAM	1	0	21.56	21.72	21.60				
5	16QAM	1	12	21.46	21.55	21.61	23	0		
5	16QAM	1	24	21.51	21.54	21.44				
5	16QAM	12	0	21.67	21.72	21.67				
5	16QAM	12	7	21.55	21.53	21.30	23	0		
5	16QAM	12	13	21.66	21.58	21.46				
5	16QAM	25	0	21.40	21.53	21.67				
5	64QAM	1	0	21.52	21.72	21.62				
5	64QAM	1	12	21.49	21.65	21.54	23	0		
5	64QAM	1	24	21.38	21.17	21.71				
5	64QAM	12	0	21.12	21.17	21.03				
5	64QAM	12	7	20.97	20.98	20.79				
5	64QAM	12	13	20.89	21.25	21.08	22.5	0.5		
5	64QAM	25	0	20.86	21.13	20.92				
5	256QAM	1	0	18.97	18.95	19.15				
5	256QAM	1	12	18.97	18.95	19.10	20.5	2.5		
5	256QAM	1	24	19.20	19.13	19.35				
5	256QAM	12	0	19.19	19.24	18.95				
5	256QAM	12	7	18.97	19.01	19.12	20.5	2.5		
5	256QAM	12	13	19.25	19.11	19.31				
5	256QAM	25	0	18.83	19.20	19.08				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	21.62	21.71	21.52				
3	QPSK	1	8	21.43	21.55	21.72	23	0		
3	QPSK	1	14	21.37	21.64	21.46				
3	QPSK	8	0	21.51	21.73	21.34				
3	QPSK	8	4	21.39	21.61	21.60	23	0		
3	QPSK	15	0	21.38	21.64	21.50				
3	16QAM	1	0	21.69	21.73	21.60				
3	16QAM	1	8	21.58	21.64	21.65	23	0		
3	16QAM	1	14	21.72	21.77	21.63				
3	16QAM	8	0	21.73	21.67	21.44				
3	16QAM	8	4	21.45	21.61	21.38	23	0		
3	16QAM	8	7	21.60	21.69	21.60				
3	16QAM	15	0	21.45	21.76	21.78				
3	64QAM	1	0	21.72	21.76	21.59				
3	64QAM	1	8	21.41	21.69	21.57	23	0		
3	64QAM	1	14	21.43	21.54	21.73				
3	64QAM	8	0	21.03	21.34	21.04				
3	64QAM	8	4	21.10	21.24	21.08	22.5	0.5		
3	64QAM	8	7	21.08	21.20	21.08				
3	64QAM	15	0	21.00	21.23	21.03				
3	256QAM	1	0	19.02	19.14	18.93				
3	256QAM	1	8	19.25	19.18	19.12	20.5	2.5		
3	256QAM	1	14	19.11	19.34	19.15				
3	256QAM	8	0	19.02	19.16	19.01	20.5	2.5		
3	256QAM	8	4	19.01	19.21	19.08				
3	256QAM	8	7	19.26	19.27	18.99				
3	256QAM	15	0	18.99	18.93	19.09				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	21.71	21.56	21.55				
1.4	QPSK	1	3	21.52	21.64	21.54	23	0		
1.4	QPSK	1	5	21.45	21.76	21.45				
1.4	QPSK	3	0	21.57	21.78	21.44				
1.4	QPSK	3	1	21.59	21.68	21.47				
1.4	QPSK	3	3	21.56	21.42	21.61				
1.4	QPSK	6	0	21.31	21.49	21.44	23	0		
1.4	16QAM	1	0	21.75	21.72	21.70				
1.4	16QAM	1	3	21.38	21.73	21.75				
1.4	16QAM	1	5	21.42	21.62	21.68	23	0		
1.4	16QAM	3	0	21.70	21.69	21.56				
1.4	16QAM	3	1	21.60	21.65	21.45				
1.4	16QAM	3	3	21.51	21.61	21.38				
1.4	16QAM	6	0	21.47	21.71	21.59	23	0		
1.4	64QAM	1	0	21.57	21.71	21.61				
1.4	64QAM	1	3	21.37	21.58	21.74				
1.4	64QAM	1	5	21.55	21.72	21.63	23	0		
1.4	64QAM	3	0	21.66	21.53	21.74				
1.4	64QAM	3	1	21.37	21.47	21.54				
1.4	64QAM	3	3	21.60	21.68	21.62				
1.4	64QAM	6	0	21.17	21.00	20.94	22.5	0.5		
1.4	256QAM	1	0	19.05	19.19	19.10				
1.4	256QAM	1	3	19.16	19.28	19.20				
1.4	256QAM	1	5	19.02	19.15	19.16	20.5	2.5		
1.4	256QAM	3	0	18.87	19.21	19.06				
1.4	256QAM	3	1	19.02	19.12	19.23				
1.4	256QAM	3	3	19.12	19.16	18.93				
1.4	256QAM	6	0	18.99	19.23	18.93	20.5	2.5		

Band 17 Ant1 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	21.64	21.77	21.67				
10	QPSK	1	25	21.48	21.64	21.52	22.5	0		
10	QPSK	1	49	21.54	21.73	21.63				
10	QPSK	25	0	21.43	21.68	21.52				
10	QPSK	25	12	21.58	21.52	21.57				
10	QPSK	25	25	21.63	21.56	21.46	22.5	0		
10	QPSK	50	0	21.38	21.63	21.48				
10	16QAM	1	0	21.70	21.67	21.67				
10	16QAM	1	25	21.66	21.65	21.43	22.5	0		
10	16QAM	1	49	21.62	21.54	21.53				
10	16QAM	25	0	21.39						



Band 2 Ant3 for ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPE (dB)	
Channel									
1800 1880 1920									
20	QPSK	1	0	21.20	21.47	21.31			
20	QPSK	1	49	21.03	21.26	21.15	22	0	
20	QPSK	1	99	21.03	21.46	21.28			
20	QPSK	50	0	21.16	21.37	21.30			
20	QPSK	50	24	21.04	21.19	21.12	22	0	
20	QPSK	50	50	21.16	21.17	21.02			
20	QPSK	100	0	21.04	21.23	21.09			
20	HQAM	100	0	21.12	21.12	20.98			
20	HQAM	1	49	21.08	21.26	21.13	22	0	
20	HQAM	1	99	21.15	21.26	21.21			
20	HQAM	50	0	21.08	21.26	21.01			
20	HQAM	50	24	20.94	20.97	20.96	22	0	
20	HQAM	50	50	21.04	20.99	21.02			
20	HQAM	100	0	20.95	20.91	20.98			
20	HQAM	1	0	21.01	21.02	21.04			
20	HQAM	1	49	20.92	20.99	21.06	22	0	
20	HQAM	1	99	21.02	20.99	21.01			
20	HQAM	50	0	21.02	21.19	20.92			
20	HQAM	50	24	20.87	20.89	20.90	22	0	
20	HQAM	50	50	21.07	21.09	20.98			
20	HQAM	100	0	21.08	21.07	20.95			
20	SSQAM	1	0	19.46	19.47	19.47			
20	SSQAM	1	49	19.46	19.44	19.69	20.5	1.5	
20	SSQAM	1	99	19.56	19.67	19.61			
20	SSQAM	50	0	19.60	19.45	19.58			
20	SSQAM	50	24	19.60	19.45	19.58	20.5	1.5	
20	SSQAM	50	50	19.66	19.62	19.65			
20	SSQAM	100	0	19.67	19.62	19.65			

Channel									
1887.5 1900 1925									
Frequency (MHz)				Turn-up (dB)	MPE (dB)				
15	QPSK	1	0	21.30	21.36	21.26			
15	QPSK	1	37	21.08	21.21	21.15	22	0	
15	QPSK	1	74	21.03	21.26	21.15			
15	QPSK	36	0	21.02	21.28	21.19			
15	QPSK	36	20	21.05	21.07	21.07	22	0	
15	QPSK	36	39	21.02	21.09	21.05			
15	HQAM	75	0	21.06	21.08	21.06			
15	HQAM	1	0	21.03	21.00	20.88			
15	HQAM	1	37	20.98	21.05	21.09	22	0	
15	HQAM	1	74	21.16	21.08	21.06			
15	HQAM	36	0	20.82	21.09	20.85			
15	HQAM	36	20	20.90	21.09	20.83	22	0	
15	HQAM	36	39	20.97	20.97	20.97			
15	HQAM	75	0	20.92	20.92	20.92			
15	HQAM	1	0	21.01	21.13	20.91			
15	HQAM	1	37	20.98	21.07	21.03	22	0	
15	HQAM	1	74	20.83	21.05	21.05			
15	HQAM	36	0	20.98	21.00	20.72			
15	HQAM	36	20	20.96	20.96	20.84	22	0	
15	HQAM	36	39	20.89	20.94	20.85			
15	HQAM	75	0	21.09	20.98	21.08			
15	SSQAM	1	0	19.44	19.45	19.44			
15	SSQAM	1	37	19.34	19.44	19.52	20.5	1.5	
15	SSQAM	1	74	19.41	19.46	19.47			
15	SSQAM	36	0	19.33	19.43	19.46			
15	SSQAM	36	20	19.44	19.43	19.58	20.5	1.5	
15	SSQAM	36	39	19.42	19.41	19.49			
15	SSQAM	75	0	19.43	19.47	19.45			

Channel									
1885 1890 1910									
Frequency (MHz)				Turn-up (dB)	MPE (dB)				
10	QPSK	1	0	21.02	21.07	21.07			
10	QPSK	1	25	21.05	21.15	21.16	22	0	
10	QPSK	1	49	21.11	21.17	21.27			
10	QPSK	50	0	21.06	21.09	21.07			
10	QPSK	50	12	21.05	21.04	20.92	22	0	
10	QPSK	25	25	21.00	21.11	20.98			
10	HQAM	100	0	21.07	21.09	21.02			
10	HQAM	1	0	20.89	21.16	20.92	22	0	
10	HQAM	1	25	21.08	21.09	21.11			
10	HQAM	1	49	20.97	21.07	21.01			
10	HQAM	25	0	20.79	21.05	21.08			
10	HQAM	25	12	20.92	20.90	21.02	22	0	
10	HQAM	25	25	21.03	21.03	21.03			
10	HQAM	50	0	20.96	20.90	20.90			
10	HQAM	1	0	21.07	21.08	21.02			
10	HQAM	1	25	20.82	20.98	20.98	22	0	
10	HQAM	1	49	20.85	21.01	21.02			
10	HQAM	25	0	20.88	21.09	21.00			
10	HQAM	25	12	20.97	20.98	20.97	22	0	
10	HQAM	25	25	20.96	20.90	20.92			
10	HQAM	50	0	20.99	21.01	20.95			
10	SSQAM	1	0	19.54	19.56	19.57			
10	SSQAM	1	25	19.37	19.48	19.63	20.5	1.5	
10	SSQAM	1	49	19.36	19.53	19.63			
10	SSQAM	25	0	19.44	19.59	19.45			
10	SSQAM	25	12	19.50	19.60	19.43	20.5	1.5	
10	SSQAM	25	25	19.58	19.62	19.50			
10	SSQAM	50	0	19.31	19.62	19.49			

Channel									
1882.5 1890 1915									
Frequency (MHz)				Turn-up (dB)	MPE (dB)				
5	QPSK	1	0	21.02	21.08	21.07			
5	QPSK	1	12	21.11	21.32	21.13	22	0	
5	QPSK	1	24	21.00	21.17	21.11			
5	QPSK	12	0	21.11	21.11	21.03			
5	QPSK	12	7	21.17	21.22	21.09	22	0	
5	QPSK	12	13	20.93	21.22	20.99			
5	QPSK	25	0	21.07	21.22	21.16			
5	HQAM	1	0	20.93	21.13	20.92			
5	HQAM	1	12	21.18	21.16	21.18	22	0	
5	HQAM	1	24	21.02	21.08	21.08			
5	HQAM	12	0	20.96	21.19	21.02			
5	HQAM	12	7	20.82	21.01	20.88	22	0	
5	HQAM	12	13	21.05	21.00	21.00			
5	HQAM	25	0	20.85	20.88	20.88			
5	HQAM	1	0	20.84	21.13	20.97	22	0	
5	HQAM	1	12	20.89	21.03	20.92			
5	HQAM	1	24	20.87	21.07	20.82			
5	HQAM	12	0	21.00	20.99	20.90	22	0	
5	HQAM	12	7	20.83	20.95	20.83			
5	HQAM	12	13	20.82	20.81	20.88			
5	HQAM	25	0	21.08	20.99	21.07			
5	SSQAM	1	0	19.37	19.44	19.35			
5	SSQAM	1	12	19.53	19.38	19.48	20.5	1.5	
5	SSQAM	1	24	19.54	19.49	19.46			
5	SSQAM	12	0	19.52	19.56	19.48			
5	SSQAM	12	7	19.52	19.49	19.42	20.5	1.5	
5	SSQAM	12	13	19.50	19.44	19.40			
5	SSQAM	25	0	19.38	19.52	19.48			

Channel									
1881.5 1890 1910									
Frequency (MHz)				Turn-up (dB)	MPE (dB)				
3	QPSK	1	0	21.02	21.20	21.20			
3	QPSK	1	8	21.17	21.30	21.28	22	0	
3	QPSK	1	14	21.06	21.26	21.12			
3	QPSK	8	0	21.02	21.28	21.10			
3	QPSK	8	4	21.10	21.24	21.07	22	0	
3	QPSK	8	7	20.93	21.23	21.02			
3	QPSK	15	0	20.91	21.32	21.09			
3	HQAM	1	0	20.84	21.12	20.90			
3	HQAM	1	8	21.10	21.09	21.00	22	0	
3	HQAM	1	14	21.03	21.30	21.07			
3	HQAM	8	0	20.97	21.22	21.01			
3	HQAM	8	4	20.83	21.08	21.01	22	0	
3	HQAM	8	7	20.82	20.97	20.86			
3	HQAM	15	0	21.00	21.09	20.86			
3	HQAM	1	0	20.97	21.07	20.91	22	0	
3	HQAM	1	8	20.89	21.02	20.89			
3	HQAM	1	14	20.83	20.95	20.96			
3	HQAM	8	0	20.85	21.16	20.87			
3									



Band 2 Ant 4 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MPE (dB)		
Channel										
1800 1800 1900										
20	QPSK	1	0	18.69	18.15	18.66				
20	QPSK	1	49	18.69	18.15	18.66	20.5	0		
20	QPSK	1	99	18.67	18.16	18.65				
20	QPSK	1	149	18.67	18.16	18.65				
20	QPSK	50	0	18.64	18.14	18.68				
20	QPSK	50	24	18.73	18.23	18.63				
20	QPSK	50	50	18.61	18.19	18.65	20.5	0		
20	QPSK	100	0	18.77	18.28	18.68				
20	16QAM	50	0	18.94	18.39	18.69				
20	16QAM	1	49	18.56	18.54	18.83	20.5	0		
20	16QAM	1	99	18.57	18.79	18.81				
20	16QAM	50	0	18.77	18.76	18.89				
20	16QAM	50	24	18.61	18.82	18.77	20.5	0		
20	16QAM	100	0	18.65	18.85	18.85				
20	16QAM	100	0	18.66	18.85	18.84				
20	64QAM	1	0	18.66	18.83	18.94				
20	64QAM	1	49	18.62	18.81	18.96	20.5	0		
20	64QAM	50	0	18.62	18.85	18.78				
20	64QAM	50	24	18.53	18.83	18.80	20.5	0		
20	64QAM	100	0	18.71	18.93	18.82				
20	64QAM	100	0	18.63	18.79	18.83				
20	256QAM	1	49	18.34	18.12	18.32	19.5	1		
20	256QAM	1	99	18.14	18.28	18.07				
20	256QAM	50	0	18.60	18.82	18.84				
20	256QAM	50	24	18.26	18.28	18.14	19.5	1		
20	256QAM	100	0	18.28	18.09	18.06				
20	256QAM	100	0	18.20	18.00	18.00				
Channel										
1817.5 1880 1920.5										
15	QPSK	1	0	18.62	18.88	18.83				
15	QPSK	1	37	18.60	18.86	18.82	20.5	0		
15	QPSK	1	74	18.56	18.76	18.87				
15	QPSK	36	0	18.63	18.74	18.80				
15	QPSK	36	20	18.69	18.73	18.87	20.5	0		
15	QPSK	36	39	18.57	18.80	18.81				
15	16QAM	75	0	18.65	18.84	18.85				
15	16QAM	1	0	18.78	18.84	18.73	20.5	0		
15	16QAM	1	37	18.58	18.64	18.59				
15	16QAM	1	74	18.60	18.84	18.84	20.5	0		
15	16QAM	36	20	18.59	18.83	18.87	20.5	0		
15	16QAM	36	20	18.60	18.84	18.84				
15	16QAM	75	0	18.55	18.57	18.54				
15	64QAM	1	0	18.68	18.68	18.77	20.5	0		
15	64QAM	1	37	18.68	18.69	18.81				
15	64QAM	1	74	18.73	18.84	18.89	20.5	0		
15	64QAM	36	0	18.53	18.69	18.52	20.5	0		
15	64QAM	36	39	18.58	18.54	18.70				
15	64QAM	75	0	18.62	18.72	18.54				
15	256QAM	1	37	18.05	18.19	18.22	19.5	1		
15	256QAM	1	74	18.05	18.05	18.13				
15	256QAM	36	20	18.19	18.11	18.24	19.5	1		
15	256QAM	36	39	18.18	17.98	18.13				
15	256QAM	75	0	18.29	18.21	18.21				
Channel										
1860 1860 1915										
10	QPSK	1	0	18.61	18.78	18.78				
10	QPSK	1	25	18.68	18.76	18.55	20.5	0		
10	QPSK	1	49	18.51	18.56	18.82				
10	QPSK	1	74	18.70	18.70	18.77				
10	QPSK	25	12	18.74	18.58	18.82	20.5	0		
10	QPSK	25	25	18.78	18.81	18.70				
10	16QAM	1	0	18.78	18.84	18.85				
10	16QAM	1	24	18.63	18.66	18.80	20.5	0		
10	16QAM	1	49	18.66	18.80	18.81				
10	16QAM	1	74	18.77	18.81	18.81	20.5	0		
10	16QAM	25	12	18.57	18.83	18.80	20.5	0		
10	16QAM	25	12	18.60	18.80	18.84				
10	16QAM	50	0	18.52	18.82	18.85				
10	64QAM	1	0	18.82	18.87	18.83	20.5	0		
10	64QAM	1	24	18.84	18.84	18.85				
10	64QAM	1	49	18.72	18.85	18.79	20.5	0		
10	64QAM	25	0	18.62	18.70	18.71				
10	64QAM	25	25	18.62	18.79	18.68				
10	64QAM	50	0	18.62	18.72	18.65				
10	256QAM	1	25	18.11	18.21	18.21	19.5	1		
10	256QAM	1	25	18.23	18.28	18.18				
10	256QAM	1	49	18.01	18.19	18.04	19.5	1		
10	256QAM	1	49	18.22	18.14	18.04				
10	256QAM	25	12	18.25	18.18	18.09	19.5	1		
10	256QAM	25	25	18.21	18.04	18.16				
10	256QAM	50	0	18.02	18.06	18.06				
Channel										
1862.5 1890 1917.5										
5	QPSK	1	0	18.73	18.78	18.84				
5	QPSK	1	12	18.65	18.79	18.54	20.5	0		
5	QPSK	1	24	18.54	18.60	18.66				
5	QPSK	12	0	18.64	18.64	18.65				
5	QPSK	12	7	18.73	18.61	18.77	20.5	0		
5	QPSK	12	13	18.82	18.89	18.69				
5	QPSK	25	0	18.72	18.84	18.84				
5	16QAM	1	0	18.64	18.66	18.69	20.5	0		
5	16QAM	1	12	18.64	18.62	18.63				
5	16QAM	1	24	18.66	18.82	18.82	20.5	0		
5	16QAM	12	0	18.70	18.81	18.85				
5	16QAM	12	7	18.67	18.77	18.69	20.5	0		
5	16QAM	12	13	18.61	18.74	18.75				
5	16QAM	25	0	18.53	18.74	18.59				
5	64QAM	1	0	18.81	18.81	18.72	20.5	0		
5	64QAM	1	12	18.75	18.82	18.80				
5	64QAM	1	24	18.68	18.87	18.77	20.5	0		
5	64QAM	12	0	18.61	18.71	18.79				
5	64QAM	12	7	18.62	18.65	18.69	20.5	0		
5	64QAM	12	13	18.62	18.82	18.82				
5	64QAM	25	0	18.51	18.74	18.72				
5	256QAM	1	0	18.05	18.03	18.03	19.5	1		
5	256QAM	1	12	18.22	18.17	18.18				
5	256QAM	1	24	17.98	18.24	17.97	19.5	1		
5	256QAM	12	0	18.22	18.22	18.17				
5	256QAM	12	7	17.89	17.85	17.82	19.5	1		
5	256QAM	12	13	18.16	17.96	18.16				
5	256QAM	25	0	17.85	18.06	17.89				
Channel										
1861.6 1890 1918.5										
3	QPSK	1	0	18.69	18.81	18.85				
3	QPSK	1	8	18.74	18.80	18.87	20.5	0		
3	QPSK	1	14	18.59	18.87	18.80				
3	QPSK	8	0	18.61	18.81	18.89				
3	QPSK	8	4	18.64	18.71	18.82	20.5	0		
3	QPSK	8	7	18.78	18.74	18.85				
3	QPSK	15	0	18.71	18.77	18.87				
3	16QAM	1	0	18.71	18.77	18.69	20.5	0		
3	16QAM	1	8	18.59	18.85	18.89				
3	16QAM	1	14	18.53	18.60	18.69	20.5	0		
3	16QAM	8	0	18.64	18.78	18.66				
3	16QAM	8	4	18.64	18.80	18.85	20.5	0		
3	16QAM	15	0	18.68	18.90	18.88				
3	64QAM	1	0	18.68	18.90	18.88	20.5	0		
3	64QAM	1	8	18.82	18.81	18.70				
3	64QAM	1	14	18.59	18.92	18.66				
3	64QAM	8	0	18.65	18.83	18.75	20.5	0		
3	64QAM	8	7	18.62	18.85	18.82				
3	64QAM	8	7	18.57	18.74	18.68	20.5	0		
3	256QAM	1	0	17.98	18.08	18.03				
3	2									



Band 38 Ant4 DS15 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	16.79	16.88	16.79	18	0		
20	QPSK	1	49	16.76	16.78	16.86				
20	QPSK	1	99	16.82	16.85	16.85				
20	QPSK	50	0	16.64	16.85	16.86				
20	QPSK	50	24	16.61	16.85	16.58				
20	QPSK	50	50	16.58	16.82	16.42				
20	QPSK	100	0	16.34	16.82	16.45				
20	16QAM	1	0	16.57	16.43	16.46				
20	16QAM	1	49	16.52	16.69	16.51				
20	16QAM	1	99	16.28	16.47	16.30				
20	16QAM	50	0	16.60	16.41	16.31				
20	16QAM	50	24	16.28	16.32	16.50				
20	16QAM	50	50	16.39	16.60	16.28				
20	16QAM	100	0	16.37	16.56	16.71				
20	16QAM	1	0	16.29	16.40	16.52				
20	16QAM	1	49	16.47	16.55	16.42				
20	16QAM	1	99	16.22	16.30	16.42				
20	16QAM	50	0	16.67	16.64	16.32				
20	16QAM	50	24	16.35	16.63	16.37				
20	16QAM	50	50	16.35	16.65	16.47				
20	16QAM	100	0	16.18	16.52	16.46				
20	256QAM	1	0	16.46	16.26	16.43				
20	256QAM	1	49	16.41	16.57	16.46				
20	256QAM	1	99	16.31	16.48	16.50				
20	256QAM	50	0	16.33	16.67	16.50				
20	256QAM	50	24	16.34	16.30	16.30				
20	256QAM	50	50	16.45	16.59	16.45				
20	256QAM	100	0	16.19	16.62	16.19				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25775	25950	26125				
15	QPSK	1	0	16.45	16.36	16.48	18	0		
15	QPSK	1	37	16.31	16.55	16.31				
15	QPSK	1	74	16.37	16.49	16.47				
15	QPSK	36	0	16.41	16.53	16.47				
15	QPSK	36	20	16.56	16.33	16.38				
15	QPSK	36	39	16.31	16.62	16.42				
15	QPSK	75	0	16.63	16.41	16.45				
15	16QAM	1	0	16.34	16.46	16.61				
15	16QAM	1	37	16.33	16.50	16.51				
15	16QAM	1	74	16.28	16.35	16.44				
15	16QAM	36	0	16.37	16.51	16.39				
15	16QAM	36	20	16.31	16.22	16.18				
15	16QAM	36	39	16.31	16.31	16.40				
15	16QAM	75	0	16.60	16.40	16.35				
15	16QAM	1	0	16.22	16.35	16.34				
15	16QAM	1	37	16.27	16.18	16.21				
15	16QAM	1	74	16.36	16.32	16.15				
15	16QAM	36	0	16.49	16.24	16.17				
15	16QAM	36	20	16.48	16.31	16.44				
15	16QAM	36	39	16.20	16.20	16.29				
15	16QAM	75	0	16.17	16.24	16.44				
15	256QAM	1	0	16.31	16.23	16.19				
15	256QAM	1	37	16.07	16.46	16.34				
15	256QAM	1	74	16.30	16.35	16.13				
15	256QAM	36	0	16.44	16.27	16.30				
15	256QAM	36	20	16.15	16.44	16.34				
15	256QAM	36	39	16.20	16.25	16.19				
15	256QAM	75	0	16.28	16.30	16.06				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25750	25950	26150				
10	QPSK	1	0	16.26	16.59	16.52	18	0		
10	QPSK	1	25	16.50	16.47	16.34				
10	QPSK	1	49	16.49	16.20	16.55				
10	QPSK	25	0	16.32	16.57	16.45				
10	QPSK	25	12	16.50	16.25	16.45				
10	QPSK	25	25	16.15	16.42	16.27				
10	QPSK	50	0	16.54	16.49	16.31				
10	16QAM	1	0	16.55	16.51	16.40				
10	16QAM	1	25	16.32	16.54	16.45				
10	16QAM	1	49	16.30	16.22	16.37				
10	16QAM	25	0	16.47	16.54	16.29				
10	16QAM	25	12	16.19	16.28	16.40				
10	16QAM	25	25	16.25	16.34	16.08				
10	16QAM	50	0	16.47	16.69	16.32				
10	16QAM	1	0	16.43	16.33	16.29				
10	16QAM	1	25	16.45	16.46	16.32				
10	16QAM	1	49	16.25	16.46	16.14				
10	16QAM	25	0	16.49	16.49	16.37				
10	16QAM	25	12	16.45	16.36	16.21				
10	16QAM	25	25	16.26	16.28	16.21				
10	16QAM	50	0	16.21	16.47	16.32				
10	256QAM	1	0	16.28	16.29	16.20				
10	256QAM	1	25	16.19	16.21	16.31				
10	256QAM	1	49	16.29	16.12	16.04				
10	256QAM	25	0	16.13	16.62	16.36				
10	256QAM	25	12	16.12	16.28	16.12				
10	256QAM	25	25	16.34	16.33	16.26				
10	256QAM	50	0	16.05	16.44	16.38				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25725	25950	26175				
5	QPSK	1	0	16.63	16.48	16.70	18	0		
5	QPSK	1	12	16.25	16.30	16.35				
5	QPSK	1	24	16.35	16.59	16.26				
5	QPSK	12	0	16.35	16.44	16.45				
5	QPSK	12	7	16.30	16.29	16.33				
5	QPSK	12	13	16.26	16.58	16.12				
5	QPSK	25	0	16.41	16.55	16.44				
5	16QAM	1	0	16.44	16.39	16.44				
5	16QAM	1	12	16.18	16.47	16.45				
5	16QAM	1	24	16.43	16.24	16.37				
5	16QAM	12	0	16.24	16.29	16.32				
5	16QAM	12	7	16.33	16.53	16.40				
5	16QAM	12	13	16.35	16.45	16.30				
5	16QAM	25	0	16.64	16.41	16.48				
5	16QAM	1	0	16.24	16.47	16.40				
5	16QAM	1	12	16.15	16.25	16.35				
5	16QAM	1	24	16.13	16.31	16.15				
5	16QAM	12	0	16.23	16.37	16.24				
5	16QAM	12	7	16.50	16.35	16.17				
5	16QAM	12	13	16.29	16.42	16.33				
5	16QAM	25	0	16.40	16.10	16.14				
5	256QAM	1	0	16.06	16.16	16.20				
5	256QAM	1	12	16.29	16.38	16.10				
5	256QAM	1	24	16.19	16.16	16.38				
5	256QAM	12	0	16.14	16.50	16.43				
5	256QAM	12	7	16.00	16.48	16.18				
5	256QAM	12	13	16.49	16.38	16.21				
5	256QAM	25	0	16.35	16.37	16.20				

Band 41 Ant4 DS15 for ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				25960	25995	26030				
20	QPSK	1	0	16.65	16.59	16.71	18	0		
20	QPSK	1	49	16.58	16.44	16.68				
20	QPSK	1	99	16.50	16.40	16.58				
20	QPSK	50	0	16.47	16.43	16.55				
20	QPSK	50	24	16.32	16.51	16.53				
20	QPSK	50	50	16.33	16.43	16.38				
20	QPSK	100	0	16.43	16.33	16.45				
20	16QAM	1	0	16.68	16.45	16.65				
20	16QAM	1	49	16.37	16.35	16.44				
20	16QAM	1	99	16.48	16.31	16.56				
20	16QAM	50	0	16.43	16.43	16.43				
20	16QAM	50	24	16.50						



Band 4 Ant5 DS15 for ULCA										
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)										
20	QPSK	1	0	16.88	16.13	15.94				
20	QPSK	1	49	16.76	16.01	15.82	17	0		
20	QPSK	1	99	16.79	15.96	15.75				
20	QPSK	50	0	16.84	16.13	15.89				
20	QPSK	50	24	16.83	16.09	15.87				
20	QPSK	50	50	16.89	16.07	15.84	17	0		
20	QPSK	100	0	16.70	16.05	15.71				
20	QPSK	100	0	15.73	15.73	15.78				
20	16QAM	1	49	15.71	15.82	15.75	17	0		
20	16QAM	1	99	15.76	15.85	15.74				
20	16QAM	50	0	15.86	15.96	15.84				
20	16QAM	50	24	15.77	15.80	15.86	17	0		
20	16QAM	50	50	15.76	15.89	15.81				
20	16QAM	100	0	15.73	15.84	15.86				
20	16QAM	1	49	15.74	15.90	15.82	17	0		
20	16QAM	1	99	15.76	15.89	15.80				
20	16QAM	50	24	15.89	15.99	15.89	17	0		
20	16QAM	50	50	15.77	15.89	15.88				
20	16QAM	100	0	15.80	15.89	15.70				
20	256QAM	1	49	15.85	15.94	15.86				
20	256QAM	1	99	15.80	15.88	15.86	17	0		
20	256QAM	50	24	15.85	15.99	15.79				
20	256QAM	50	50	15.74	15.83	15.77	17	0		
20	256QAM	100	0	15.79	15.83	15.77				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.74	15.13	15.89				
15	QPSK	1	37	15.87	15.84	15.89				
15	QPSK	1	74	15.74	15.81	15.88				
15	QPSK	36	0	15.74	15.80	15.75				
15	QPSK	36	25	15.86	15.91	15.89				
15	QPSK	36	39	15.75	15.84	15.78	17	0		
15	QPSK	75	0	15.65	15.99	15.88				
15	16QAM	1	0	15.89	15.89	15.88				
15	16QAM	1	37	15.85	15.87	15.83	17	0		
15	16QAM	1	74	15.85	15.89	15.87				
15	16QAM	36	0	15.81	15.78	15.72				
15	16QAM	36	25	15.83	15.89	15.75	17	0		
15	16QAM	36	39	15.76	15.84	15.81				
15	16QAM	75	0	15.72	15.78	15.73				
15	16QAM	1	0	15.59	15.83	15.77				
15	16QAM	1	37	15.76	15.86	15.80	17	0		
15	16QAM	1	74	15.85	15.92	15.81				
15	16QAM	36	0	15.83	15.79	15.83				
15	16QAM	36	25	15.83	15.79	15.83	17	0		
15	16QAM	36	39	15.83	15.79	15.83				
15	16QAM	75	0	15.86	15.76	15.82				
15	256QAM	1	37	15.85	15.86	15.84				
15	256QAM	1	74	15.87	15.74	15.70	17	0		
15	256QAM	36	0	15.71	15.87	15.86				
15	256QAM	36	25	15.89	15.69	15.65	17	0		
15	256QAM	36	39	15.89	15.69	15.65				
15	256QAM	75	0	15.88	15.78	15.78				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.74	15.13	15.70				
10	QPSK	1	25	15.70	15.80	15.70	17	0		
10	QPSK	1	49	15.71	15.86	15.82				
10	QPSK	12	0	15.87	15.87	15.83				
10	QPSK	25	12	15.84	15.83	15.91				
10	QPSK	25	25	15.76	15.87	15.71	17	0		
10	16QAM	1	0	15.80	15.80	15.88				
10	16QAM	1	0	15.81	15.80	15.87				
10	16QAM	1	24	15.87	15.70	15.78	17	0		
10	16QAM	25	0	15.76	15.77	15.73				
10	16QAM	25	12	15.89	15.87	15.78	17	0		
10	16QAM	25	25	15.83	15.84	15.84				
10	16QAM	50	0	15.75	15.74	15.71				
10	16QAM	1	0	15.85	15.83	15.72				
10	16QAM	1	24	15.81	15.80	15.74	17	0		
10	16QAM	1	49	15.86	15.87	15.77				
10	16QAM	25	0	15.84	15.76	15.83				
10	16QAM	25	12	15.77	15.82	15.81	17	0		
10	16QAM	25	25	15.87	15.86	15.81				
10	16QAM	50	0	15.74	15.70	15.73				
10	256QAM	1	24	15.85	15.86	15.73	17	0		
10	256QAM	1	49	15.84	15.86	15.74				
10	256QAM	12	0	15.84	15.86	15.83				
10	256QAM	12	13	15.74	15.70	15.86	17	0		
10	256QAM	25	0	15.86	15.89	15.86				
10	256QAM	25	12	15.74	15.70	15.86	17	0		
10	256QAM	25	25	15.86	15.89	15.86				
10	256QAM	50	0	15.86	15.89	15.73				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.74	15.13	15.70				
5	QPSK	1	12	15.69	15.78	15.89	17	0		
5	QPSK	1	24	15.89	15.80	15.70				
5	QPSK	12	0	15.84	15.78	15.78				
5	QPSK	12	7	15.91	15.87	15.89	17	0		
5	QPSK	12	13	15.87	15.89	15.71				
5	QPSK	25	0	15.88	15.87	15.87				
5	16QAM	1	0	15.88	15.89	15.89				
5	16QAM	1	12	15.83	15.89	15.89	17	0		
5	16QAM	1	24	15.86	15.87	15.89				
5	16QAM	12	0	15.75	15.72	15.76				
5	16QAM	12	7	15.89	15.73	15.81	17	0		
5	16QAM	12	13	15.86	15.84	15.88				
5	16QAM	25	0	15.74	15.76	15.78				
5	16QAM	1	0	15.82	15.84	15.74	17	0		
5	16QAM	1	12	15.86	15.86	15.88				
5	16QAM	1	24	15.81	15.81	15.83				
5	16QAM	12	0	15.83	15.76	15.81	17	0		
5	16QAM	12	7	15.80	15.80	15.78				
5	16QAM	12	13	15.85	15.73	15.96				
5	16QAM	25	0	15.89	15.84	15.82				
5	16QAM	15	0	15.74	15.89	15.83				
5	256QAM	1	12	15.85	15.79	15.74	17	0		
5	256QAM	1	24	15.87	15.72	15.74				
5	256QAM	12	0	15.89	15.90	15.81	17	0		
5	256QAM	12	7	15.72	15.87	15.87				
5	256QAM	12	13	15.85	15.89	15.87	17	0		
5	256QAM	25	0	15.70	15.70	15.79				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.80	15.82	15.73				
3	QPSK	1	8	15.87	15.81	15.87	17	0		
3	QPSK	1	14	15.74	15.82	15.88				
3	QPSK	8	0	15.70	15.81	15.80				
3	QPSK	8	4	15.89	15.90	15.90	17	0		
3	QPSK	8	7	15.84	15.86	15.72				
3	QPSK	15	0	15.72	15.80	15.86				
3	16QAM	1	0	15.81	15.80	15.84	17	0		
3	16QAM	1	8	15.87	15.73	15.83				
3	16QAM	1	14	15.83	15.77	15.82				
3	16QAM	8	0	15.74	15.78	15.77	17	0		
3	16QAM	8	4	15.83	15.87	15.79				
3	16QAM	8	7	15.81	15.79	15.72				
3	16QAM	15	0	15.70	15.82	15.70				
3	16QAM	1	0	15.80	15.80	15.78	17	0		
3	16QAM	1	8	15.83	15.78	15.72				
3	16QAM	1	14	15.83	15.87	15.76				
3	16QAM	8	0	15.82	15.81	15.81				
3	16QAM	8	4	15.76	15.81	15.74	17	0		
3	16QAM	8	7	15.70	15.88	15.96				
3	16QAM									



Band 38 Ant5 DSI5 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	39000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.88	20.95	20.84	21.5	0	
20	QPSK	1	49	20.80	20.84	20.73			
20	QPSK	1	99	20.89	20.82	20.85			
20	QPSK	50	0	20.76	20.83	20.71	21.5	0	
20	QPSK	50	24	20.69	20.73	20.61			
20	QPSK	50	50	20.56	20.67	20.77			
20	QPSK	100	0	20.80	20.67	20.76	21.5	0	
20	16QAM	1	0	20.82	20.98	20.71			
20	16QAM	1	49	20.73	20.75	20.67			
20	16QAM	1	99	20.90	20.70	20.76	21.5	0	
20	16QAM	50	0	20.61	20.72	20.58			
20	16QAM	50	24	20.55	20.59	20.47			
20	16QAM	50	50	20.49	20.60	20.71	21.5	0	
20	16QAM	100	0	20.70	20.81	20.65			
20	64QAM	1	0	20.81	20.88	20.75			
20	64QAM	1	49	20.69	20.70	20.58	21.5	0	
20	64QAM	1	99	20.64	20.72	20.76			
20	64QAM	50	0	20.62	20.71	20.58			
20	64QAM	50	24	20.54	20.61	20.51	21.5	0	
20	64QAM	50	50	20.43	20.59	20.71			
20	64QAM	100	0	20.71	20.82	20.64			
20	256QAM	1	0	18.62	18.77	18.74	19.5	2	
20	256QAM	1	49	18.69	18.71	18.67			
20	256QAM	1	99	18.63	18.69	18.65			
20	256QAM	50	0	18.61	18.82	18.67	19.5	2	
20	256QAM	50	24	18.69	18.71	18.70			
20	256QAM	50	50	18.60	18.78	18.64			
20	256QAM	100	0	18.64	18.74	18.65			
Channel				37825	39000	38175			
Frequency (MHz)				25775	2595	26125			
15	QPSK	1	0	20.79	20.84	20.72	21.5	0	
15	QPSK	1	37	20.70	20.70	20.65			
15	QPSK	1	74	20.67	20.68	20.73			
15	QPSK	36	0	20.62	20.71	20.59	21.5	0	
15	QPSK	36	20	20.60	20.59	20.50			
15	QPSK	36	39	20.49	20.58	20.66			
15	QPSK	75	0	20.75	20.80	20.67	21.5	0	
15	16QAM	1	0	20.72	20.74	20.67			
15	16QAM	1	37	20.61	20.65	20.56			
15	16QAM	1	74	20.53	20.57	20.68	21.5	0	
15	16QAM	36	0	20.51	20.58	20.44			
15	16QAM	36	20	20.49	20.46	20.34			
15	16QAM	36	39	20.42	20.49	20.63	21.5	0	
15	16QAM	75	0	20.60	20.66	20.54			
15	64QAM	1	0	20.73	20.75	20.68			
15	64QAM	1	37	20.61	20.63	20.45	21.5	0	
15	64QAM	1	74	20.63	20.62	20.62			
15	64QAM	36	0	20.50	20.57	20.46			
15	64QAM	36	20	20.45	20.47	20.41	21.5	0	
15	64QAM	36	39	20.34	20.51	20.56			
15	64QAM	75	0	20.63	20.72	20.67			
15	256QAM	1	0	18.46	18.71	18.63	19.5	2	
15	256QAM	1	37	18.61	18.60	18.67			
15	256QAM	1	74	18.59	18.58	18.60			
15	256QAM	36	0	18.50	18.73	18.52	19.5	2	
15	256QAM	36	20	18.67	18.63	18.59			
15	256QAM	36	39	18.47	18.72	18.53			
15	256QAM	75	0	18.49	18.62	18.58			
Channel				37900	39000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.73	20.80	20.74	21.5	0	
10	QPSK	1	25	20.69	20.74	20.66			
10	QPSK	1	49	20.67	20.69	20.75			
10	QPSK	25	0	20.66	20.71	20.63	21.5	0	
10	QPSK	25	12	20.56	20.60	20.54			
10	QPSK	25	25	20.48	20.58	20.70			
10	QPSK	50	0	20.73	20.73	20.70	21.5	0	
10	16QAM	1	0	20.76	20.77	20.63			
10	16QAM	1	25	20.65	20.63	20.54			
10	16QAM	1	49	20.46	20.58	20.62	21.5	0	
10	16QAM	25	0	20.52	20.64	20.43			
10	16QAM	25	12	20.50	20.46	20.36			
10	16QAM	25	25	20.43	20.53	20.58	21.5	0	
10	16QAM	50	0	20.64	20.73	20.53			
10	64QAM	1	0	20.73	20.79	20.63			
10	64QAM	1	25	20.63	20.61	20.51	21.5	0	
10	64QAM	1	49	20.59	20.57	20.69			
10	64QAM	25	0	20.50	20.62	20.50			
10	64QAM	25	12	20.44	20.48	20.44	21.5	0	
10	64QAM	25	25	20.34	20.48	20.57			
10	64QAM	50	0	20.86	20.72	20.52			
10	256QAM	1	0	18.53	18.68	18.69	19.5	2	
10	256QAM	1	25	18.61	18.57	18.62			
10	256QAM	1	49	18.53	18.58	18.55			
10	256QAM	25	0	18.47	18.75	18.59	19.5	2	
10	256QAM	25	12	18.63	18.65	18.61			
10	256QAM	25	25	18.47	18.64	18.59			
10	256QAM	50	0	18.58	18.69	18.59			
Channel				37775	39000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.75	20.85	20.71	21.5	0	
5	QPSK	1	12	20.71	20.73	20.61			
5	QPSK	1	24	20.55	20.74	20.76			
5	QPSK	12	0	20.64	20.73	20.58	21.5	0	
5	QPSK	12	7	20.61	20.65	20.51			
5	QPSK	12	13	20.45	20.57	20.72			
5	QPSK	25	0	20.73	20.78	20.67	21.5	0	
5	16QAM	1	0	20.75	20.83	20.62			
5	16QAM	1	12	20.61	20.64	20.56			
5	16QAM	1	24	20.52	20.55	20.70	21.5	0	
5	16QAM	12	0	20.56	20.66	20.48			
5	16QAM	12	7	20.46	20.46	20.42			
5	16QAM	12	13	20.37	20.49	20.56	21.5	0	
5	16QAM	25	0	20.64	20.71	20.55			
5	64QAM	1	0	20.70	20.78	20.65			
5	64QAM	1	12	20.60	20.60	20.48	21.5	0	
5	64QAM	1	24	20.57	20.62	20.67			
5	64QAM	12	0	20.55	20.63	20.52			
5	64QAM	12	7	20.48	20.52	20.37	21.5	0	
5	64QAM	12	13	20.31	20.48	20.65			
5	64QAM	25	0	20.59	20.76	20.52			
5	256QAM	1	0	18.52	18.66	18.66	19.5	2	
5	256QAM	1	12	18.55	18.61	18.53			
5	256QAM	1	24	18.49	18.54	18.61			
5	256QAM	12	0	18.47	18.72	18.57	19.5	2	
5	256QAM	12	7	18.57	18.58	18.59			
5	256QAM	12	13	18.54	18.65	18.58			
5	256QAM	25	0	18.58	18.64	18.55			



## Uplink CA Power

Ant0 Full Power		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	22.17	24.00	
21100	21298	QPSK	1	99	1	0	22.00	24.00	
21350	21152	QPSK	1	0	1	99	22.03	24.00	

Ant0 Full Power&DSI1		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	21.57	23.50	
37901	38099	QPSK	1	99	1	0	21.59	23.50	
38150	37952	QPSK	1	0	1	99	21.52	23.50	

Ant3 Full Power		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	23.91	25.50	
21100	21298	QPSK	1	99	1	0	23.84	25.50	
21350	21152	QPSK	1	0	1	99	23.87	25.50	

Ant3 Full Power&DSI1		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	22.21	24.00	
37901	38099	QPSK	1	99	1	0	23.62	25.50	
38150	37952	QPSK	1	0	1	99	23.55	25.50	

Ant4 Full Power		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	23.10	25.00	
21100	21298	QPSK	1	99	1	0	23.12	25.00	
21350	21152	QPSK	1	0	1	99	23.11	25.00	

Ant4 Full Power		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	22.21	24.00	
37901	38099	QPSK	1	99	1	0	22.25	24.00	
38150	37952	QPSK	1	0	1	99	22.26	24.00	

Ant5 Full Power		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	22.87	24.50	
21100	21298	QPSK	1	99	1	0	23.12	24.50	
21350	21152	QPSK	1	0	1	99	22.93	24.50	

Ant5 Full Power		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	22.87	24.50	
37901	38099	QPSK	1	99	1	0	22.84	24.50	
38150	37952	QPSK	1	0	1	99	22.86	24.50	

Ant3 DSI3&5		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	22.21	23.00	
21100	21298	QPSK	1	99	1	0	22.26	23.00	
21350	21152	QPSK	1	0	1	99	22.14	23.00	

Ant4 DSI5		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	20.42	22.00	
37901	38099	QPSK	1	99	1	0	20.50	22.00	
38150	37952	QPSK	1	0	1	99	20.41	22.00	

Ant4 DSI3&4		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	21.58	23.00	
21100	21298	QPSK	1	99	1	0	21.60	23.00	
21350	21152	QPSK	1	0	1	99	21.52	23.00	

Ant4 DSI1		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	20.92	22.50	
37901	38099	QPSK	1	99	1	0	21.00	22.50	
38150	37952	QPSK	1	0	1	99	20.91	22.50	

Ant5 DSI1&5		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	19.18	20.00	
21100	21298	QPSK	1	99	1	0	19.20	20.00	
21350	21152	QPSK	1	0	1	99	19.22	20.00	

Ant5 DSI1&5		CA_38C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	21.30	22.00	
37901	38099	QPSK	1	99	1	0	21.33	22.00	
38150	37952	QPSK	1	0	1	99	21.26	22.00	

Ant5 DSI3		CA_7C							
		Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	1	99	1	0	21.10	22.00	
21100	21298	QPSK	1	99	1	0	21.20	22.00	
21350	21152	QPSK	1	0	1	99	21.11	22.00	



## Downlink CA Power

2CA DL

CA List	PCC										SCC				Power	
	LTE	BW	BW	UL	UL	Mod	UL	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. Channel	RB		RB	RB		RB	Band	(MHz)	Freq. Channel		DL	Tx. Power (dBm)
CA_2C	Band2	Arx3	20M	1880	1890	QPSK	1	0		Band2	20M	1880	1098		24.49	24.54
	Band2	Arx4	20M	1880	1890	QPSK	1	0		Band2	20M	1880	1098		23.37	23.56
	Band2	Arx3	20M	1880	1890	QPSK	1	0		Band2	5M	1888	1175		24.49	24.64
CA_2A-2A	Band2	Arx4	20M	1880	1890	QPSK	1	0		Band2	5M	1988	1175		23.35	23.56
	Band4	Arx0	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band7	20M	2655	3100	4xMMIMO	22.91	23.00
CA_4A-7A	Band4	Arx3	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band7	20M	2655	3100	4xMMIMO	24.46	24.64
	Band4	Arx4	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band7	20M	2655	3100	4xMMIMO	22.72	22.87
	Band4	Arx5	20M	1732.5	20175	QPSK	1	0	4xMMIMO	Band7	20M	2655	3100	4xMMIMO	23.87	24.02
	Band7	Arx0	20M	2535	21100	QPSK	1	0	4xMMIMO	Band4	20M	2133	2175	4xMMIMO	22.74	22.84
	Band7	Arx2	20M	2535	21100	QPSK	1	0	4xMMIMO	Band4	20M	2133	2175	4xMMIMO	24.98	25.10
	Band7	Arx4	20M	2535	21100	QPSK	1	0	4xMMIMO	Band4	20M	2133	2175	4xMMIMO	23.85	23.95
	Band7	Arx5	20M	2535	21100	QPSK	1	0	4xMMIMO	Band4	20M	2133	2175	4xMMIMO	23.56	23.75
CA_5A-41A	Band5	Arx0	10M	836.5	20525	QPSK	1	0		Band41	20M	2593	40620	4xMMIMO	24.47	24.55
	Band5	Arx1	10M	836.5	20525	QPSK	1	0		Band41	20M	2593	40620	4xMMIMO	24.17	24.21
CA_38C	Band38	Arx0	20M	2580	37850	QPSK	1	0	4xMMIMO	Band38	20M	2600	38048	4xMMIMO	22.56	22.66
	Band38	Arx3	20M	2580	37850	QPSK	1	0	4xMMIMO	Band38	20M	2600	38048	4xMMIMO	24.62	24.69
	Band38	Arx4	20M	2580	37850	QPSK	1	0	4xMMIMO	Band38	20M	2600	38048	4xMMIMO	23.43	23.55
	Band38	Arx5	20M	2580	37850	QPSK	1	0	4xMMIMO	Band38	20M	2600	38048	4xMMIMO	23.88	23.92
	Band41	Arx0	20M	2593	40620	QPSK	1	0	4xMMIMO	Band42	20M	3500	42590	4xMMIMO	22.52	22.72
CA_41A-42A	Band41	Arx3	20M	2593	40620	QPSK	1	0	4xMMIMO	Band42	20M	3500	42590	4xMMIMO	24.66	24.81
	Band41	Arx4	20M	2593	40620	QPSK	1	0	4xMMIMO	Band42	20M	3500	42590	4xMMIMO	23.58	23.77
	Band41	Arx5	20M	2593	40620	QPSK	1	0	4xMMIMO	Band42	20M	3500	42590	4xMMIMO	23.82	24.02
	Band42	Arx0	20M	3500	42590	QPSK	1	0	4xMMIMO	Band41	20M	2593	40620	4xMMIMO	22.91	23.03
	Band42	Arx3	20M	3500	42590	QPSK	1	0	4xMMIMO	Band41	20M	2593	40620	4xMMIMO	24.26	24.46
	Band42	Arx10	20M	3500	42590	QPSK	1	0	4xMMIMO	Band41	20M	2593	40620	4xMMIMO	24.93	25.11
	Band42	Arx11	20M	3500	42590	QPSK	1	0	4xMMIMO	Band41	20M	2593	40620	4xMMIMO	24.71	24.83
CA_66B	Band66	Arx0	15M	1745	132322	QPSK	1	0	4xMMIMO	Band66	5M	2164	69979	4xMMIMO	22.80	23.02
	Band66	Arx3	15M	1745	132322	QPSK	1	0	4xMMIMO	Band66	5M	2164	69979	4xMMIMO	24.05	24.17
	Band66	Arx4	15M	1745	132322	QPSK	1	0	4xMMIMO	Band66	5M	2164	69979	4xMMIMO	22.73	22.90
CA_66C	Band66	Arx0	15M	1745	132322	QPSK	1	0	4xMMIMO	Band66	5M	2164	69979	4xMMIMO	23.86	24.05
	Band66	Arx3	15M	1745	132322	QPSK	1	0	4xMMIMO	Band66	20M	2165	69984	4xMMIMO	22.98	23.02
	Band66	Arx3	20M	1745	132322	QPSK	1	0	4xMMIMO	Band66	20M	2165	69984	4xMMIMO	24.11	24.17
	Band66	Arx4	20M	1745	132322	QPSK	1	0	4xMMIMO	Band66	20M	2165	69984	4xMMIMO	22.67	22.80
CA_66C	Band66	Arx5	20M	1745	132322	QPSK	1	0	4xMMIMO	Band66	20M	2165	69984	4xMMIMO	23.98	24.05





3CA DL

3CA List	PCC										SCC1					SCC2			Power			
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	Wib. CA	Without CA		
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB	Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	(MHz)	Freq. (MHz)	Channel	Tx Power (dBm)	Rx Power (dBm)		
CA_2A-4A-5A	Band 2	Ant3	20M	1880	1880	QPSK	1	0			Band 4	20M	2132.5	2175	4x4MMIMO	Band 5	10M	881.5	2525	24.54	24.64	
	Band 2	Ant4	20M	1880	1880	QPSK	1	0			Band 4	20M	2132.5	2175	4x4MMIMO	Band 5	10M	881.5	2525	23.39	23.56	
	Band 2	Ant5	20M	1732.5	2017.5	QPSK	1	0		4x4MMIMO	Band 5	10M	881.5	2525	4x4MMIMO	Band 2	20M	1980	900	22.84	23.00	
	Band 4	Ant3	20M	1732.5	2017.5	QPSK	1	0		4x4MMIMO	Band 5	10M	881.5	2525	4x4MMIMO	Band 2	20M	1980	900	24.46	24.64	
	Band 4	Ant4	20M	1732.5	2017.5	QPSK	1	0		4x4MMIMO	Band 5	10M	881.5	2525	4x4MMIMO	Band 2	20M	1980	900	22.74	22.87	
CA_2A-7C	Band 5	Ant0	10M	836.5	2052.5	QPSK	1	0			Band 2	20M	1980	900		Band 4	20M	2132.5	2175	4x4MMIMO	24.44	24.56
	Band 5	Ant1	10M	836.5	2052.5	QPSK	1	0			Band 2	20M	1980	900		Band 4	20M	2132.5	2175	4x4MMIMO	24.15	24.21
	Band 2	Ant3	20M	1880	1880	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	24.51	24.64
	Band 2	Ant4	20M	1880	1880	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	23.52	23.56
	Band 7	Ant5	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 2	20M	1980	900	22.66	22.84	
CA_2A-7A-7A	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 2	20M	1980	900	24.90	25.10	
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 2	20M	1980	900	24.90	25.10	
	Band 7	Ant5	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 2	20M	1980	900	23.61	23.75	
	Band 2	Ant3	20M	1880	1880	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 7	5M	2687.5	3425	4x4MMIMO	24.52	24.64
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	5M	2687.5	3425	4x4MMIMO	Band 2	20M	1980	900	23.49	23.56	
CA_2A-7A-6A	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	5M	2687.5	3425	4x4MMIMO	Band 2	20M	1980	900	24.92	25.10	
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	5M	2687.5	3425	4x4MMIMO	Band 2	20M	1980	900	23.79	23.96	
	Band 7	Ant5	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	5M	2687.5	3425	4x4MMIMO	Band 2	20M	1980	900	23.69	23.75	
	Band 2	Ant3	20M	1880	1880	QPSK	1	0			Band 66	20M	2155	66886	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	23.54	24.64
	Band 2	Ant4	20M	1880	1880	QPSK	1	0			Band 66	20M	2155	66886	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	24.54	23.56
CA_4A-7C	Band 66	Ant5	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 2	20M	1980	900	22.38	23.02	
	Band 66	Ant3	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 2	20M	1980	900	23.95	24.17	
	Band 66	Ant4	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 2	20M	1980	900	22.78	22.90	
	Band 66	Ant5	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 2	20M	1980	900	23.69	24.05	
	Band 7	Ant0	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 2	20M	1980	900		Band 66	20M	2155	66886	4x4MMIMO	23.85	23.96
CA_5A-7C	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 2	20M	1980	900		Band 66	20M	2155	66886	4x4MMIMO	23.82	23.96
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 2	20M	1980	900		Band 66	20M	2155	66886	4x4MMIMO	23.85	23.75
	Band 7	Ant5	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 2	20M	1980	900		Band 66	20M	2155	66886	4x4MMIMO	23.65	23.75
	Band 4	Ant0	20M	1732.5	2017.5	QPSK	1	0		4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	22.89	23.00
	Band 4	Ant3	20M	1732.5	2017.5	QPSK	1	0		4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	24.51	24.64
CA_5A-7A	Band 5	Ant0	10M	836.5	2052.5	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 5	10M	881.5	2525	22.73	22.84	
	Band 5	Ant1	10M	836.5	2052.5	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 5	10M	881.5	2525	24.20	24.21	
	Band 7	Ant0	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 5	10M	881.5	2525	22.67	22.84	
	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 5	10M	881.5	2525	25.70	25.10	
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2554.8	3298	4x4MMIMO	Band 5	10M	881.5	2525	23.82	23.96	
CA_5A-7A-6A	Band 5	Ant0	10M	836.5	2052.5	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2680	3350	4x4MMIMO	24.39	24.55
	Band 5	Ant1	10M	836.5	2052.5	QPSK	1	0			Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2680	3350	4x4MMIMO	24.68	24.21
	Band 7	Ant0	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2680	3350	4x4MMIMO	Band 5	10M	881.5	2525	24.78	25.10	
	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2680	3350	4x4MMIMO	Band 5	10M	881.5	2525	23.78	23.96	
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 7	20M	2680	3350	4x4MMIMO	Band 5	10M	881.5	2525	24.64	23.75	
CA_5A-7A-6A-6A	Band 5	Ant0	10M	836.5	2052.5	QPSK	1	0			Band 66	20M	2155	66886	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	23.64	24.55
	Band 5	Ant1	10M	836.5	2052.5	QPSK	1	0			Band 66	20M	2155	66886	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	24.17	24.21
	Band 7	Ant0	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 5	10M	881.5	2525	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	23.02	25.10
	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 5	10M	881.5	2525	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	23.84	23.96
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 5	10M	881.5	2525	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	23.64	23.96
CA_5A-6A-6A-6A	Band 5	Ant0	10M	836.5	2052.5	QPSK	1	0			Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.33	24.55
	Band 5	Ant1	10M	836.5	2052.5	QPSK	1	0			Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.05	24.21
	Band 66	Ant0	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525	22.88	23.02	
	Band 66	Ant3	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525	24.03	24.17	
	Band 66	Ant4	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525	22.79	22.90	
CA_7A-6A-6A-6A	Band 66	Ant5	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	23.81	24.05
	Band 7	Ant0	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	22.72	22.84
	Band 7	Ant3	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.95	25.10
	Band 7	Ant4	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	23.79	23.96
	Band 7	Ant5	20M	2535	2110	QPSK	1	0		4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	23.69	23.75
CA_12A-6A-6A-6A	Band 66	Ant0	20M	1745	13232	QPSK	1	0		4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	22.86	23.02
	Band 66	Ant3	20M	1745	13232	QPSK</																



4CA DL

Configure	PCC										SCC1										SCC2										SCC3										Power	
	LTE	BW	BW	UL	UL	UL	UL	UL	UL	UL	LTE	BW	DL	DL	DL	DL	DL	DL	DL	DL	LTE	BW	DL	DL	DL	DL	DL	DL	DL	DL	LTE	BW	DL	DL	DL	DL	DL	DL	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB	RB	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Tx. Power (dBm)	Tx. Power (dBm)					
CA_41E	Band 41	Ar0	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	Band 41	20M	2652.4	41214	4xMMMO	Band 41	20M	2672.2	41412	4xMMMO	22.61	22.72											
	Band 41	Ar3	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	Band 41	20M	2652.4	41214	4xMMMO	Band 41	20M	2672.2	41412	4xMMMO	24.75	24.81											
	Band 41	Ar4	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	Band 41	20M	2652.4	41214	4xMMMO	Band 41	20M	2672.2	41412	4xMMMO	23.64	23.77											
	Band 41	Ar5	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	Band 41	20M	2652.4	41214	4xMMMO	Band 41	20M	2672.2	41412	4xMMMO	23.83	24.02											
CA_41C-42C	Band 41	Ar0	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 42	20M	3500	42590	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 42	20M	3539.6	42986	4xMMMO	22.56	22.72											
	Band 41	Ar3	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 42	20M	3500	42590	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 42	20M	3539.6	42986	4xMMMO	24.72	24.81											
	Band 41	Ar4	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 42	20M	3500	42590	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 42	20M	3539.6	42986	4xMMMO	23.65	23.77											
	Band 41	Ar5	20M	2593	40620	QPSK	1	0	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 42	20M	3500	42590	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 42	20M	3539.6	42986	4xMMMO	23.84	24.02											
	Band 42	Ar0	20M	3500	42590	QPSK	1	0	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 41	20M	2593	40620	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	22.96	23.03											
	Band 42	Ar3	20M	3500	42590	QPSK	1	0	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 41	20M	2593	40620	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	24.32	24.46											
	Band 42	Ar4	20M	3500	42590	QPSK	1	0	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 41	20M	2593	40620	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	25.03	25.11											
	Band 42	Ar5	20M	3500	42590	QPSK	1	0	4xMMMO	Band 42	20M	3519.8	42788	4xMMMO	Band 41	20M	2593	40620	4xMMMO	Band 41	20M	2612.8	40818	4xMMMO	Band 41	20M	2632.6	41016	4xMMMO	24.71	24.83											



Full power mode for 5GNR

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								
Frequency (MHz)				168300	167300	167900		
20	PI/2 BPSK	1	1	24.79	24.87	24.85		
20	PI/2 BPSK	1	53	24.84	24.89	24.82	25.5	0.0
20	PI/2 BPSK	1	104	24.77	24.79	24.65		
20	PI/2 BPSK	50	0	24.15	24.45	24.25	25.0	0.5
20	PI/2 BPSK	50	26	24.67	24.83	24.71	25.5	0.0
20	PI/2 BPSK	50	56	24.02	24.27	24.12	25.0	0.5
20	PI/2 BPSK	100	0	24.37	24.38	24.28		
20	QPSK	1	1	24.94	24.96	24.85		
20	QPSK	1	53	24.79	24.86	24.70	25.5	0.0
20	QPSK	1	104	24.61	24.79	24.65		
20	QPSK	50	0	23.71	23.73	23.76	24.5	1.0
20	QPSK	50	26	24.82	24.90	24.74	25.5	0.0
20	QPSK	50	56	23.75	23.81	23.73	24.5	1.0
20	QPSK	100	0	23.73	23.85	23.66		
20	16QAM	1	1	23.69	23.88	23.75	24.5	1.0
20	16QAM	1	1	22.32	22.41	22.16	23.0	2.5
20	256QAM	1	1	20.68	20.71	20.55	21.0	4.5
Channel								
Frequency (MHz)				163300	167300	163300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.91	24.83	24.80	25.5	0.0
Channel								
Frequency (MHz)				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.78	24.81	24.77	25.5	0.0
Channel								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	24.92	24.87	24.81	25.5	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								
Frequency (MHz)				504000	507000	510000		
40	PI/2 BPSK	1	1	23.35	23.43	23.25		
40	PI/2 BPSK	1	108	23.44	23.40	23.31	24.0	0.0
40	PI/2 BPSK	1	214	23.23	23.30	23.10		
40	PI/2 BPSK	108	0	22.61	22.85	22.90	23.5	0.5
40	PI/2 BPSK	108	54	23.00	23.30	23.03	24.0	0.0
40	PI/2 BPSK	108	108	22.79	22.77	22.69	23.5	0.5
40	PI/2 BPSK	216	0	22.68	22.76	22.64		
40	QPSK	1	1	23.22	23.47	23.35		
40	QPSK	1	108	23.07	23.25	23.24	24.0	0.0
40	QPSK	1	214	23.24	23.11	23.22		
40	QPSK	108	0	22.16	22.31	22.11	23.0	1.0
40	QPSK	108	54	23.02	23.20	22.99	24.0	0.0
40	QPSK	108	108	22.04	22.25	22.16	23.0	1.0
40	QPSK	216	0	22.22	22.28	22.16		
40	16QAM	1	1	22.16	22.11	21.94	23.0	1.0
40	16QAM	1	1	20.44	20.68	20.58	21.5	2.5
40	256QAM	1	1	18.38	18.38	18.42	19.5	4.5
Channel								
Frequency (MHz)				508000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.11	23.33	23.22	24.0	0.0
Channel								
Frequency (MHz)				502600	507000	511500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.18	23.29	23.31	24.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.10	23.37	23.24	24.0	0.0
Channel								
Frequency (MHz)				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.20	23.39	23.27	24.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.10	23.30	23.30	24.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.14	23.44	23.30	24.0	0.0

n66 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								
Frequency (MHz)				349000	349000	352000		
40	PI/2 BPSK	1	1	22.81	22.94	22.85		
40	PI/2 BPSK	1	108	22.83	22.91	22.88	23.5	0.0
40	PI/2 BPSK	1	214	22.71	22.92	22.84		
40	PI/2 BPSK	108	0	22.98	22.41	22.19	23.0	0.5
40	PI/2 BPSK	108	54	22.86	23.00	22.85	23.5	0.0
40	PI/2 BPSK	108	108	22.33	22.38	22.30	23.0	0.5
40	PI/2 BPSK	216	0	22.34	22.42	22.24		
40	QPSK	1	1	22.78	23.03	22.97		
40	QPSK	1	108	22.77	22.88	22.74	23.5	0.0
40	QPSK	1	214	22.57	22.73	22.60		
40	QPSK	108	0	21.65	21.84	21.85	22.5	1.0
40	QPSK	108	54	22.84	23.02	22.82	23.5	0.0
40	QPSK	108	108	21.68	21.84	21.77	22.5	1.0
40	QPSK	216	0	21.92	22.06	21.88		
40	16QAM	1	1	21.88	21.94	21.89	22.5	1.0
40	16QAM	1	1	20.36	20.30	20.29	21.0	2.5
40	256QAM	1	1	18.66	18.74	18.74	19.0	4.5
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.67	22.86	22.86	23.5	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.74	22.94	22.84	23.5	0.0
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.67	22.89	22.89	23.5	0.0
Channel								
Frequency (MHz)				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.72	22.85	22.89	#REF!	0.0
Channel								
Frequency (MHz)				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.61	22.97	22.87	23.5	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								
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.13	23.21	23.19		
40	PI2 BPSK	1	53	23.11	23.14	23.10	24.0	0.0
40	PI2 BPSK	1	104	22.91	23.13	22.94		
40	PI2 BPSK	50	0	22.82	22.86	22.55	23.5	0.5
40	PI2 BPSK	50	58	23.02	23.22	22.86	24.0	0.0
40	PI2 BPSK	50	58	22.53	22.59	22.57	23.5	0.5
40	PI2 BPSK	100	0	22.55	22.79	22.53		
40	QPSK	1	1	23.15	23.24	23.22		
40	QPSK	1	53	22.83	23.00	22.98	24.0	0.0
40	QPSK	1	104	22.92	23.12	22.84		
40	QPSK	50	0	22.08	22.13	22.02	23.0	1.0
40	QPSK	50	28	23.04	23.17	23.03	24.0	0.0
40	QPSK	50	56	22.07	22.12	22.18	23.0	1.0
40	QPSK	100	0	22.17	22.25	22.15		
40	16QAM	1	1	22.00	22.35	22.22	23.0	1.0
40	64QAM	1	1	20.37	20.59	20.39	21.5	2.5
40	256QAM	1	1	18.37	18.32	18.33	19.5	4.5
Channel								
Frequency (MHz)				5170.02	5180.00	5200.98		
30	QPSK	1	1	23.08	23.20	23.12	24.0	0.0
Channel								
Frequency (MHz)				5160.00	5180.00	5200.00		
20	QPSK	1	1	22.99	23.14	23.16	24.0	0.0
Channel								
Frequency (MHz)				5155.02	5190.00	5224.98		
15	QPSK	1	1	23.11	23.07	23.19	24.0	0.0
Channel								
Frequency (MHz)				5150.04	5180.00	5229.98		
10	QPSK	1	1	22.98	23.18	23.11	24.0	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								
Frequency (MHz)				5256.01	5292.99	2540		
100	PI2 BPSK	1	1	22.79	22.93	22.87		
100	PI2 BPSK	1	137	22.82	22.85	22.85	24.0	0.0
100	PI2 BPSK	1	271	22.74	22.91	22.80		
100	PI2 BPSK	135	0	22.35	22.45	22.31	23.5	0.5
100	PI2 BPSK	135	69	22.79	22.93	22.96	24.0	0.0
100	PI2 BPSK	135	138	22.34	22.48	22.39	23.5	0.5
100	PI2 BPSK	270	0	22.31	22.46	22.30		
100	QPSK	1	1	22.98	22.98	22.95		
100	QPSK	1	137	22.85	22.91	22.89	24.0	0.0
100	QPSK	1	271	22.78	22.80	22.76		
100	QPSK	135	0	21.70	21.68	21.52	23.0	1.0
100	QPSK	135	69	22.91	22.93	22.87	24.0	0.0
100	QPSK	135	138	21.84	21.77	21.79	23.0	1.0
100	QPSK	270	0	21.67	21.80	21.61		
100	16QAM	1	1	21.86	22.05	21.93	23.0	1.0
100	64QAM	1	1	20.44	20.37	20.35	21.5	2.5
100	256QAM	1	1	18.32	18.39	18.13	19.5	4.5
Channel								
Frequency (MHz)				5241	2592.99	2644.98		
90	QPSK	1	1	22.70	22.95	22.77	24.0	0.0
Channel								
Frequency (MHz)				5072.04	5185.98	5299.98		
80	QPSK	1	1	22.71	22.92	22.87	24.0	0.0
Channel								
Frequency (MHz)				5052.02	5185.98	5310.00		
70	QPSK	1	1	22.71	22.90	22.84	24.0	0.0
Channel								
Frequency (MHz)				5052.00	5185.98	5319.98		
60	QPSK	1	1	22.76	22.83	22.91	24.0	0.0
Channel								
Frequency (MHz)				5042.04	5185.98	5329.98		
50	QPSK	1	1	22.81	22.84	22.82	24.0	0.0
Channel								
Frequency (MHz)				5032.02	2592.99	2644.98		
40	QPSK	1	1	22.72	22.90	22.87	24.0	0.0
Channel								
Frequency (MHz)				5022.00	5185.98	5349.98		
30	QPSK	1	1	22.71	22.92	22.74	24.0	0.0
Channel								
Frequency (MHz)				5012.04	5185.98	5359.98		
20	QPSK	1	1	22.77	22.85	22.93	24.0	0.0

### PC3 Part270 n77 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								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	22.86	22.95	22.90		
100	PI2 BPSK	1	137	22.82	22.83	22.78	24.0	0.0
100	PI2 BPSK	1	271	22.81	22.92	22.87		
100	PI2 BPSK	135	0	22.32	22.44	22.18	23.5	0.5
100	PI2 BPSK	135	69	22.85	22.89	22.81	24.0	0.0
100	PI2 BPSK	135	138	21.98	22.18	22.17	23.5	0.5
100	PI2 BPSK	270	0	22.17	22.28	22.16		
100	QPSK	1	1	22.92	22.96	22.96		
100	QPSK	1	137	22.90	22.93	22.84	24.0	0.0
100	QPSK	1	271	22.81	22.85	22.77		
100	QPSK	135	0	21.77	21.80	21.78	23.0	1.0
100	QPSK	135	69	22.87	22.91	22.82	24.0	0.0
100	QPSK	135	138	21.45	21.65	21.60	23.0	1.0
100	QPSK	270	0	21.61	21.82	21.62		
100	16QAM	1	1	21.65	21.67	21.65	23.0	1.0
100	64QAM	1	1	20.32	20.30	20.09	21.5	2.5
100	256QAM	1	1	18.13	18.20	18.14	19.5	4.5
Channel								
Frequency (MHz)				6496.68	6500.00	6503.34		
90	QPSK	1	1	22.75	22.87	22.85	24.0	0.0
Channel								
Frequency (MHz)				6493.34	6500.00	6506.68		
80	QPSK	1	1	22.89	22.94	22.93	24.0	0.0
Channel								
Frequency (MHz)				6490.00	6500.00	6500.00		
70	QPSK	1	1	22.88	22.93	22.85	24.0	0.0
Channel								
Frequency (MHz)				6486.68	6500.00	6503.34		
60	QPSK	1	1	22.85	22.91	22.92	24.0	0.0
Channel								
Frequency (MHz)				6483.34	6500.00	6506.68		
50	QPSK	1	1	22.88	22.81	22.85	24.0	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.83	22.86	22.84	24.0	0.0
Channel								
Frequency (MHz)				6476.68	6500.00	6503.34		
30	QPSK	1	1	22.76	22.97	22.82	24.0	0.0
Channel								
Frequency (MHz)				6473.34	6500.00	6506.68		
20	QPSK	1	1	22.87	22.84	22.92	24.0	0.0
Channel								
Frequency (MHz)				6471.68	6500.00	6503.34		
15	QPSK	1	1	22.86	22.98	22.84	24.0	0.0
Channel								
Frequency (MHz)				6470.00	6500.00	6500.00		
10	QPSK	1	1	22.82	22.83	22.83	24.0	0.0



### PC3 Part27Q n77 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									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		23.05		24.0	0.0	
100	PI2 BPSK	1	137		22.95				
100	PI2 BPSK	1	271		22.90				
100	PI2 BPSK	135	0		22.43		23.5	0.5	
100	PI2 BPSK	135	69		22.92		24.0	0.0	
100	PI2 BPSK	135	138		22.45		23.5	0.5	
100	PI2 BPSK	270	0		22.95				
100	QPSK	1	1		23.05		24.0	0.0	
100	QPSK	1	137		23.01				
100	QPSK	1	271		22.91				
100	QPSK	135	0		21.98		23.0	1.0	
100	QPSK	135	69		23.05		24.0	0.0	
100	QPSK	135	138		21.92		23.0	1.0	
100	QPSK	270	0		22.07				
100	16QAM	1	1		21.98		23.0	1.0	
100	64QAM	1	1		20.58		21.5	2.5	
100	256QAM	1	1		18.45		19.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63068			
Channel				3495	3500.01	3505.02			
90	QPSK	1	1		23.02	22.97	23.07	24.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400			
Channel				3493.02	3500.01	3510			
80	QPSK	1	1		22.93	23.02	23.03	24.0	0.0
Channel									
Frequency (MHz)				632334	63334	634334			
Channel				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.97	22.95	22.92	24.0	0.0
Channel									
Frequency (MHz)				632000	63334	634668			
Channel				3480	3500.01	3520.02			
60	QPSK	1	1		22.95	22.92	22.93	24.0	0.0
Channel									
Frequency (MHz)				631668	63334	635000			
Channel				3475.02	3500.01	3525			
50	QPSK	1	1		23.01	23.05	23.05	24.0	0.0
Channel									
Frequency (MHz)				631352	63334	635234			
Channel				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.04	22.99	22.94	24.0	0.0
Channel									
Frequency (MHz)				631000	63334	635668			
Channel				3465	3500.01	3535.02			
30	QPSK	1	1		22.93	22.95	23.01	24.0	0.0
Channel									
Frequency (MHz)				630668	63334	636000			
Channel				3460.02	3500.01	3540			
20	QPSK	1	1		23.00	22.93	23.02	24.0	0.0
Channel									
Frequency (MHz)				630500	63334	636168			
Channel				3457.5	3500.01	3545.52			
15	QPSK	1	1		23.02	22.98	22.99	24.0	0.0
Channel									
Frequency (MHz)				630334	63334	636334			
Channel				3455.01	3500.01	3545.01			
10	QPSK	1	1		22.94	23.03	23.05	24.0	0.0

### PC3 Part27Q n78 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									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		20.74				
100	PI2 BPSK	1	137		20.70		22.0	0.0	
100	PI2 BPSK	1	271		20.83				
100	PI2 BPSK	135	0		20.82		22.0	0.0	
100	PI2 BPSK	135	69		20.82		22.0	0.0	
100	PI2 BPSK	135	138		20.73		22.0	0.0	
100	PI2 BPSK	270	0		20.84				
100	QPSK	1	1		20.79				
100	QPSK	1	137		20.83		22.0	0.0	
100	QPSK	1	271		20.86				
100	QPSK	135	0		20.89		22.0	0.0	
100	QPSK	135	69		20.71		22.0	0.0	
100	QPSK	135	138		20.80		22.0	0.0	
100	QPSK	270	0		20.88				
100	16QAM	1	1		20.70		22.0	0.0	
100	64QAM	1	1		19.83		20.5	1.5	
100	256QAM	1	1		17.63		18.5	3.5	
Channel									
Frequency (MHz)				649668	650000	650334			
Channel				3745.02	3750	3755.01			
90	QPSK	1	1		20.72	20.75	20.64	22.0	0.0
Channel									
Frequency (MHz)				649334	650000	650668			
Channel				3740.01	3750	3760.02			
80	QPSK	1	1		20.69	20.72	20.73	22.0	0.0
Channel									
Frequency (MHz)				649000	650000	651000			
Channel				3735	3750	3765			
70	QPSK	1	1		20.73	20.70	20.71	22.0	0.0
Channel									
Frequency (MHz)				648668	650000	651334			
Channel				3730.02	3750	3770.01			
60	QPSK	1	1		20.68	20.66	20.65	22.0	0.0
Channel									
Frequency (MHz)				648334	650000	651668			
Channel				3725.01	3750	3775.02			
50	QPSK	1	1		20.74	20.65	20.68	22.0	0.0
Channel									
Frequency (MHz)				648000	650000	652000			
Channel				3720	3750	3780			
40	QPSK	1	1		20.61	20.62	20.62	22.0	0.0
Channel									
Frequency (MHz)				647668	650000	652334			
Channel				3715.02	3750	3785.01			
30	QPSK	1	1		20.65	20.70	20.69	22.0	0.0
Channel									
Frequency (MHz)				647334	650000	652668			
Channel				3710.01	3750	3790.02			
20	QPSK	1	1		20.66	20.73	20.76	22.0	0.0
Channel									
Frequency (MHz)				647168	650000	652334			
Channel				3707.52	3750	3792.51			
15	QPSK	1	1		20.62	20.63	20.64	22.0	0.0
Channel									
Frequency (MHz)				647000	650000	653000			
Channel				3705	3750	3795			
10	QPSK	1	1		20.67	20.64	20.68	22.0	0.0

### PC2 Part27Q n78 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									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		23.64				
100	PI2 BPSK	1	137		23.53		25.0	0.0	
100	PI2 BPSK	1	271		23.92				
100	PI2 BPSK	135	0		23.08		24.5	0.5	
100	PI2 BPSK	135	69		23.50		25.0	0.0	
100	PI2 BPSK	135	138		22.94		24.5	0.5	
100	PI2 BPSK	270	0		23.06				
100	QPSK	1	1		23.69				
100	QPSK	1	137		23.55		25.0	0.0	
100	QPSK	1	271		23.43				
100	QPSK	135	0		23.40		24.0	1.0	
100	QPSK	135	69		23.61		25.0	0.0	
100	QPSK	135	138		22.83		24.0	1.0	
100	QPSK	270	0		22.48				
100	16QAM	1	1		22.41		24.0	1.0	
100	64QAM	1	1		20.83		22.5	2.5	
100	256QAM	1	1		18.88		20.5	4.5	
Channel									
Frequency (MHz)				649668	650000	650334			
Channel				3745.02	3750	3755.01			
90	QPSK	1	1		23.51	23.55	23.53	25.0	0.0
Channel									
Frequency (MHz)				649334	650000	650668			
Channel				3740.01	3750	3760.02			
80	QPSK	1	1		23.60	23.64	23.59	25.0	0.0
Channel									
Frequency (MHz)				649000	650000	651000			
Channel				3735	3750	3765			
70	QPSK	1	1		23.57	23.52	23.55	25.0	0.0
Channel									
Frequency (MHz)				648668	650000	651334			
Channel				3730.02	3750	3770.01			
60	QPSK	1	1		23.52	23.62	23.55	25.0	0.0
Channel									
Frequency (MHz)				648334	650000	651668			
Channel				3725.01	3750	3775.02			
50	QPSK	1	1		23.55	23.63	23.60	25.0	0.0
Channel									
Frequency (MHz)				648000	650000	652000			
Channel				3720	3750	3780			
40	QPSK	1	1		23.64	23.60	23.56	25.0	0.0
Channel									
Frequency (MHz)				647668	650000	652334			
Channel				3715.02	3750	3785.01			
30	QPSK	1	1		23.67	23.68	23.61	25.0	0.0
Channel									
Frequency (MHz)				647334	650000	652668			
Channel				3710.01	3750	3790.02			
20	QPSK	1	1		23.64	23.61	23.65	25.0	0.0
Channel									
Frequency (MHz)				647168	650000	652334			
Channel				3707.52	3750	3792.51			
15	QPSK	1	1		23.58	23.64	23.62	25.0	0.0
Channel									
Frequency (MHz)				647000	650000	653000			
Channel				3705	3750	3795			
10	QPSK	1	1		23.53	23.58	23.63	25.0	0.0



PC3 Part27Q n78 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	
Channel									
Frequency (MHz)									
3500.01									
100	PI/2 BPSK	1	1		20.98				
100	PI/2 BPSK	1	137		20.88		22.0	0.0	
100	PI/2 BPSK	1	271		20.93				
100	PI/2 BPSK	135	0		20.92		22.0	0.0	
100	PI/2 BPSK	135	69		20.99		22.0	0.0	
100	PI/2 BPSK	135	138		20.80		22.0	0.0	
100	PI/2 BPSK	270	0		20.82				
100	QPSK	1	1		21.02				
100	QPSK	1	137		20.92		22.0	0.0	
100	QPSK	1	271		20.87				
100	QPSK	135	0		20.98		22.0	0.0	
100	QPSK	135	69		21.01		22.0	0.0	
100	QPSK	135	138		20.92		22.0	0.0	
100	QPSK	270	0		20.94				
100	16QAM	1	1		20.87		22.0	0.0	
100	64QAM	1	1		19.61		20.5	1.5	
100	256QAM	1	1		17.82		18.5	3.5	
Channel									
Frequency (MHz)									
633000 633334 633668									
3495 3500.01 3505.02									
90	QPSK	1	1		20.99	20.95	21.00	22.0	0.0
Channel									
Frequency (MHz)									
632668 633334 634000									
3490.02 3500.01 3510									
80	QPSK	1	1		20.99	20.99	20.98	22.0	0.0
Channel									
Frequency (MHz)									
632334 633334 634334									
3485.01 3500.01 3515.01									
70	QPSK	1	1		20.95	21.00	20.97	22.0	0.0
Channel									
Frequency (MHz)									
632000 633334 634668									
3480 3500.01 3520.02									
60	QPSK	1	1		20.87	20.96	20.99	22.0	0.0
Channel									
Frequency (MHz)									
631668 633334 635000									
3475.02 3500.01 3525									
50	QPSK	1	1		20.86	20.91	20.86	22.0	0.0
Channel									
Frequency (MHz)									
631334 633334 635334									
3470.01 3500.01 3530.01									
40	QPSK	1	1		20.90	20.99	20.93	22.0	0.0
Channel									
Frequency (MHz)									
631000 633334 635668									
3465 3500.01 3535.02									
30	QPSK	1	1		20.92	20.92	20.95	22.0	0.0
Channel									
Frequency (MHz)									
630668 633334 636000									
3460.02 3500.01 3540									
20	QPSK	1	1		20.98	20.89	20.93	22.0	0.0
Channel									
Frequency (MHz)									
630500 633334 636168									
3457.5 3500.01 3545.52									
15	QPSK	1	1		20.99	20.98	20.92	22.0	0.0
Channel									
Frequency (MHz)									
630334 633334 636334									
3455.01 3500.01 3545.01									
10	QPSK	1	1		20.89	20.85	21.00	22.0	0.0

PC2 Part27Q n78 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	
Channel									
Frequency (MHz)									
3500.01									
100	PI/2 BPSK	1	1		24.04				
100	PI/2 BPSK	1	137		23.90		25.0	0.0	
100	PI/2 BPSK	1	271		23.89				
100	PI/2 BPSK	135	0		23.48		24.5	0.5	
100	PI/2 BPSK	135	69		23.90		25.0	0.0	
100	PI/2 BPSK	135	138		23.59		24.5	0.5	
100	PI/2 BPSK	270	0		23.54				
100	QPSK	1	1		24.08				
100	QPSK	1	137		24.02		25.0	0.0	
100	QPSK	1	271		23.99				
100	QPSK	135	0		22.92		24.0	1.0	
100	QPSK	135	69		23.94		25.0	0.0	
100	QPSK	135	138		22.97		24.0	1.0	
100	QPSK	270	0		23.10				
100	16QAM	1	1		22.82		24.0	1.0	
100	64QAM	1	1		21.37		22.5	2.5	
100	256QAM	1	1		19.37		20.5	4.5	
Channel									
Frequency (MHz)									
633000 633334 633668									
3495 3500.01 3505.02									
90	QPSK	1	1		24.05	24.06	23.96	25.0	0.0
Channel									
Frequency (MHz)									
632668 633334 634000									
3490.02 3500.01 3510									
80	QPSK	1	1		24.01	23.97	24.02	25.0	0.0
Channel									
Frequency (MHz)									
632334 633334 634334									
3485.01 3500.01 3515.01									
70	QPSK	1	1		24.00	24.05	24.05	25.0	0.0
Channel									
Frequency (MHz)									
632000 633334 634668									
3480 3500.01 3520.02									
60	QPSK	1	1		24.02	24.02	24.03	25.0	0.0
Channel									
Frequency (MHz)									
631668 633334 635000									
3475.02 3500.01 3525									
50	QPSK	1	1		23.96	23.91	24.05	25.0	0.0
Channel									
Frequency (MHz)									
631334 633334 635334									
3470.01 3500.01 3530.01									
40	QPSK	1	1		23.92	24.02	24.03	25.0	0.0
Channel									
Frequency (MHz)									
631000 633334 635668									
3465 3500.01 3535.02									
30	QPSK	1	1		24.00	23.85	23.99	25.0	0.0
Channel									
Frequency (MHz)									
630668 633334 636000									
3460.02 3500.01 3540									
20	QPSK	1	1		24.06	23.93	23.98	25.0	0.0
Channel									
Frequency (MHz)									
630500 633334 636168									
3457.5 3500.01 3545.52									
15	QPSK	1	1		24.02	23.99	23.91	25.0	0.0
Channel									
Frequency (MHz)									
630334 633334 636334									
3455.01 3500.01 3545.01									
10	QPSK	1	1		23.91	24.06	23.91	25.0	0.0



**n5 Ant1 Default**

Channel	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	24.25	24.31	24.29	25.0	0.0
20	PI/2 BPSK	1	53	24.34	24.33	24.20		
20	PI/2 BPSK	1	104	23.91	24.13	24.04	24.5	0.5
20	PI/2 BPSK	50	0	23.80	23.85	23.72		
20	PI/2 BPSK	50	28	24.23	24.25	24.18	25.0	0.0
20	PI/2 BPSK	50	56	23.93	23.90	23.72		
20	PI/2 BPSK	100	0	23.84	24.02	23.79	24.5	0.5
20	QPSK	1	1	24.30	23.99	24.38		
20	QPSK	1	53	23.99	24.11	23.99	25.0	0.0
20	QPSK	1	104	24.23	24.25	24.28		
20	QPSK	50	0	23.21	23.31	23.15	24.0	1.0
20	QPSK	50	28	24.27	24.32	24.18		
20	QPSK	50	56	23.26	23.45	23.37	24.0	1.0
20	QPSK	100	0	23.32	23.53	23.34		
20	16QAM	1	1	23.50	23.58	23.45	24.0	1.0
20	64QAM	1	1	22.04	22.07	21.95		
20	256QAM	1	1	20.23	20.27	20.16	20.5	4.5
Channel	168300	167800	168300					
Frequency (MHz)	831.5	836.5	841.5					
15	QPSK	1	1	24.27	24.22	24.24	25.0	0.0
Channel	168800	167300	168800					
Frequency (MHz)	829	836.5	844					
10	QPSK	1	1	24.20	24.27	24.22	25.0	0.0
Channel	169300	167300	169300					
Frequency (MHz)	826.5	836.5	846.5					
5	QPSK	1	1	24.21	24.30	24.20	25.0	0.0



n7 Ant3 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	510000		
Frequency (MHz)				2530	2535	2550		
40	PI/2 BPSK	1	1	24.28	24.42	24.39		
40	PI/2 BPSK	1	108	24.36	24.39	24.35	25.0	0.0
40	PI/2 BPSK	1	214	23.21	23.35	23.23		
40	PI/2 BPSK	108	0	23.80	23.91	23.88	24.5	0.5
40	PI/2 BPSK	108	54	24.27	24.34	24.18	25.0	0.0
40	PI/2 BPSK	108	108	23.81	23.93	23.80	24.5	0.5
40	PI/2 BPSK	216	0	23.74	23.88	23.82		
40	QPSK	1	1	24.34	24.47	24.40		
40	QPSK	1	108	23.32	23.38	23.29	25.0	0.0
40	QPSK	1	214	24.18	24.33	24.19		
40	QPSK	108	0	23.32	23.41	23.29	24.0	1.0
40	QPSK	108	54	24.40	24.42	24.29	25.0	0.0
40	QPSK	108	108	23.34	23.40	23.23	24.0	1.0
40	QPSK	216	0	23.29	23.43	23.29		
40	16QAM	1	1	23.35	23.41	23.33	24.0	1.0
40	16QAM	1	1	21.39	21.58	21.53	22.5	2.5
40	256QAM	1	1	19.69	19.71	19.57	20.5	4.5
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	25.0	0.0
30	QPSK	1	1	24.28	24.32	24.27	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2527.5	25.0	0.0
25	QPSK	1	1	24.20	24.41	24.34	25.0	0.0
Channel				502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	25.0	0.0
20	QPSK	1	1	24.23	24.35	24.28	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.0	0.0
15	QPSK	1	1	24.31	24.37	24.27	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.0	0.0
10	QPSK	1	1	24.30	24.31	24.33	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.0	0.0
5	QPSK	1	1	24.27	24.39	24.23	25.0	0.0

n66 Ant3 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				349000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.19	24.35	24.22		
40	PI/2 BPSK	1	108	24.37	24.33	24.34	25.0	0.0
40	PI/2 BPSK	1	214	24.18	24.38	24.31		
40	PI/2 BPSK	108	0	23.75	23.91	23.80	24.5	0.5
40	PI/2 BPSK	108	54	24.22	24.39	24.32	25.0	0.0
40	PI/2 BPSK	108	108	24.03	24.02	23.84	24.5	0.5
40	PI/2 BPSK	216	0	23.81	23.83	23.78		
40	QPSK	1	1	24.39	24.45	24.40		
40	QPSK	1	108	24.37	24.30	24.30	25.0	0.0
40	QPSK	1	214	24.43	24.31	24.41		
40	QPSK	108	0	23.41	23.49	23.28	24.0	1.0
40	QPSK	108	54	24.37	24.40	24.32	25.0	0.0
40	QPSK	108	108	23.32	23.41	23.39	24.0	1.0
40	QPSK	216	0	23.41	23.43	23.35		
40	16QAM	1	1	23.46	23.45	23.23	24.0	1.0
40	16QAM	1	1	21.66	21.78	21.69	22.5	2.5
40	256QAM	1	1	19.83	19.92	19.79	20.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	25.0	0.0
30	QPSK	1	1	24.31	24.33	24.25	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	25.0	0.0
20	QPSK	1	1	24.30	24.30	24.25	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0
15	QPSK	1	1	24.34	24.42	24.30	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	25.0	0.0
10	QPSK	1	1	24.32	24.27	24.37	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	25.0	0.0
5	QPSK	1	1	24.21	24.41	24.25	25.0	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				2590.02	2595	2599.98			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	24.42	24.45	24.36			
40	PI/2 BPSK	1	53	24.28	24.38	24.32	25.0	0.0	
40	PI/2 BPSK	1	104	24.27	24.30	24.25			
40	PI/2 BPSK	50	0	23.82	23.89	23.81	24.5	0.5	
40	PI/2 BPSK	50	28	24.29	24.38	24.27	25.0	0.0	
40	PI/2 BPSK	50	56	23.82	23.91	23.80	24.5	0.5	
40	PI/2 BPSK	100	0	23.79	23.89	23.78			
40	QPSK	1	1	23.38	24.47	24.36			
40	QPSK	1	53	24.28	24.41	24.28	25.0	0.0	
40	QPSK	1	104	24.15	24.25	24.19			
40	QPSK	50	0	23.25	23.41	23.39	24.0	1.0	
40	QPSK	50	28	24.17	24.35	24.30	25.0	0.0	
40	QPSK	80	56	23.20	23.31	23.20	24.0	1.0	
40	QPSK	100	0	23.31	23.35	23.22			
40	16QAM	1	1	23.15	23.32	23.25	24.0	1.0	
40	16QAM	1	1	21.63	21.73	21.70	22.5	2.5	
40	256QAM	1	1	19.38	19.48	19.37	20.5	4.5	
Channel				5170.02	5190.00	5209.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5170.02	5190.00	5209.98			
30	QPSK	1	1	23.25	24.39	24.25	25.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				516000	519000	522000			
20	QPSK	1	1	23.30	24.33	24.20	25.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				515502	519000	522498			
15	QPSK	1	1	23.33	24.36	24.27	25.0	0.0	
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				515004	519000	522998			
10	QPSK	1	1	23.28	24.48	24.23	25.0	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				2546.01	2592.99	2640			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	24.25	24.30	24.28			
100	PI/2 BPSK	1	137	24.07	24.21	24.23	25.0	0.0	
100	PI/2 BPSK	1	271	24.36	24.24	24.36			
100	PI/2 BPSK	135	0	23.72	23.85	23.70	24.5	0.5	
100	PI/2 BPSK	135	69	24.29	24.30	24.35	25.0	0.0	
100	PI/2 BPSK	135	138	23.76	23.79	23.79	24.5	0.5	
100	PI/2 BPSK	270	0	23.72	23.74	23.75			
100	QPSK	1	1	24.29	24.38	24.35			
100	QPSK	1	137	24.30	24.31	24.24	25.0	0.0	
100	QPSK	1	271	24.31	24.37	24.23			
100	QPSK	135	0	23.30	23.38	23.27	24.0	1.0	
100	QPSK	135	69	24.18	24.23	24.19	25.0	0.0	
100	QPSK	135	138	23.20	23.37	23.31	24.0	1.0	
100	QPSK	270	0	23.19	23.31	23.22			
100	16QAM	1	1	23.10	23.12	22.98	24.0	1.0	
100	16QAM	1	1	21.45	21.67	21.61	22.5	2.5	
100	256QAM	1	1	19.76	19.74	19.82	20.5	4.5	
Channel				509000	518998	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				509000	518998	528998			
90	QPSK	1	1	24.26	24.36	24.21	25.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				507204	518998	529998			
80	QPSK	1	1	24.22	24.25	24.25	25.0	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				506202	518998	531000			
70	QPSK	1	1	24.20	24.32	24.30	25.0	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				505200	518998	531998			
60	QPSK	1	1	24.16	24.34	24.28	25.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				504204	518998	532998			
50	QPSK	1	1	24.24	24.22	24.20	25.0	0.0	
Channel				503202	518998	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				503202	518998	533998			
40	QPSK	1	1	24.19	24.25	24.29	25.0	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				502200	518998	534998			
30	QPSK	1	1	24.24	24.20	24.27	25.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				501204	518998	535998			
20	QPSK	1	1	24.19	24.32	24.18	25.0	0.0	



n7 Ant4 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	510000		
Frequency (MHz)				2530	2535	2550		
40	PI/2 BPSK	1	1	22.91	22.93	22.98		
40	PI/2 BPSK	1	108	23.02	22.98	22.88	23.5	0.0
40	PI/2 BPSK	1	214	22.88	22.82	22.85		
40	PI/2 BPSK	108	0	22.45	22.58	22.51	23.0	0.5
40	PI/2 BPSK	108	54	22.85	22.94	22.88	23.5	0.0
40	PI/2 BPSK	108	108	22.34	22.46	22.35	23.0	0.5
40	PI/2 BPSK	216	0	22.41	22.47	22.43		
40	QPSK	1	1	23.02	23.03	22.99		
40	QPSK	1	108	22.83	22.98	22.92	23.5	0.0
40	QPSK	1	214	22.73	22.81	22.84		
40	QPSK	108	0	22.02	21.98	22.02	22.5	1.0
40	QPSK	108	54	22.84	22.85	22.76	23.5	0.0
40	QPSK	108	108	21.88	21.85	21.87	22.5	1.0
40	QPSK	216	0	22.05	22.11	21.93		
40	16QAM	1	1	22.16	22.10	21.99	22.5	1.0
40	16QAM	1	1	20.03	20.12	20.19	21.0	2.5
40	256QAM	1	1	18.24	18.24	18.15	19.0	4.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.92	22.94	22.82	23.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2527.5		
25	QPSK	1	1	22.82	22.85	22.83	23.5	0.0
Channel				502000	507000	510000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.95	22.97	22.82	23.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.88	22.90	22.94	23.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.85	22.91	22.83	23.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.94	22.92	22.96	23.5	0.0

n66 Ant4 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				349000	349500	350000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.74	22.85	22.80		
40	PI/2 BPSK	1	108	22.72	22.81	22.77	23.5	0.0
40	PI/2 BPSK	1	214	22.69	22.78	22.83		
40	PI/2 BPSK	108	0	21.90	21.99	21.98	23.0	0.5
40	PI/2 BPSK	108	54	22.71	22.79	22.76	23.5	0.0
40	PI/2 BPSK	108	108	22.07	22.26	22.23	23.0	0.5
40	PI/2 BPSK	216	0	22.05	22.25	22.19		
40	QPSK	1	1	22.74	22.88	22.87		
40	QPSK	1	108	22.78	22.98	22.85	23.5	0.0
40	QPSK	1	214	22.75	22.81	22.72		
40	QPSK	108	0	21.42	21.55	21.43	22.5	1.0
40	QPSK	108	54	22.55	22.74	22.70	23.5	0.0
40	QPSK	108	108	21.74	21.83	21.75	22.5	1.0
40	QPSK	216	0	21.65	21.89	21.83		
40	16QAM	1	1	21.39	21.47	21.51	22.5	1.0
40	16QAM	1	1	19.47	19.63	19.50	21.0	2.5
40	256QAM	1	1	17.60	17.68	17.42	19.0	4.5
Channel				349500	349500	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.87	22.85	22.79	23.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.70	22.81	22.78	23.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.88	22.82	22.75	23.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.87	22.81	22.85	#REF!	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.87	22.72	22.89	23.5	0.0



n38 Ant4 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				518004	519000	519996	
40	PI/2 BPSK	1	1	22.70	22.78	22.83	
40	PI/2 BPSK	1	53	22.64	22.74	22.70	23.5
40	PI/2 BPSK	1	104	22.59	22.68	22.59	
40	PI/2 BPSK	50	0	22.27	22.29	22.24	23.0
40	PI/2 BPSK	50	28	22.82	22.73	22.68	23.5
40	PI/2 BPSK	50	56	22.13	22.27	22.13	23.0
40	PI/2 BPSK	100	0	22.25	22.30	22.21	23.5
40	QPSK	1	1	22.74	22.84	22.82	23.5
40	QPSK	1	53	22.68	22.77	22.84	23.5
40	QPSK	1	104	22.58	22.71	22.55	
40	QPSK	50	0	21.74	21.80	21.84	22.5
40	QPSK	50	28	22.81	22.79	22.81	23.5
40	QPSK	80	56	21.72	21.78	21.84	22.5
40	QPSK	100	0	21.73	21.82	21.79	22.5
40	16QAM	1	1	21.91	21.96	21.81	22.5
40	16QAM	1	1	19.99	20.12	20.06	21.0
40	256QAM	1	1	17.71	17.83	17.77	19.0
Channel				517002	519000	520998	
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	22.72	22.69	22.59	23.5
Channel				516000	519000	520000	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	22.60	22.70	22.55	23.5
Channel				515502	519000	523498	
Frequency (MHz)				2677.51	2695	2612.49	
15	QPSK	1	1	22.63	22.82	22.55	23.5
Channel				515004	519000	523998	
Frequency (MHz)				2676.02	2695	2614.98	
10	QPSK	1	1	22.64	22.87	22.53	23.5

n41 Ant4 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2592.99	2640	
Frequency (MHz)				509200	518998	529000	
100	PI/2 BPSK	1	1	22.60	22.68	22.54	
100	PI/2 BPSK	1	137	22.43	22.46	22.41	23.5
100	PI/2 BPSK	1	271	22.45	22.58	22.42	
100	PI/2 BPSK	135	0	21.90	22.08	22.00	23.0
100	PI/2 BPSK	135	69	22.41	22.55	22.50	23.5
100	PI/2 BPSK	135	138	21.81	21.95	21.79	23.0
100	PI/2 BPSK	270	0	21.83	22.01	21.86	23.5
100	QPSK	1	1	22.68	22.75	22.81	23.5
100	QPSK	1	137	22.47	22.50	22.35	23.5
100	QPSK	1	271	22.47	22.59	22.49	
100	QPSK	135	0	21.49	21.54	21.51	22.5
100	QPSK	135	69	22.35	22.52	22.47	23.5
100	QPSK	135	138	21.43	21.49	21.46	22.5
100	QPSK	270	0	21.43	21.52	21.48	22.5
100	16QAM	1	1	21.31	21.42	21.25	22.5
100	16QAM	1	1	19.93	20.04	19.91	21.0
100	256QAM	1	1	17.65	17.73	17.61	19.0
Channel				509200	518998	529998	
Frequency (MHz)				2541	2592.99	2644.99	
90	QPSK	1	1	22.84	22.72	22.49	23.5
Channel				507204	518998	529998	
Frequency (MHz)				2538.02	2592.99	2649.99	
80	QPSK	1	1	22.56	22.63	22.47	23.5
Channel				506202	518998	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	22.59	22.63	22.49	23.5
Channel				505200	518998	531998	
Frequency (MHz)				2524	2592.99	2659.99	
60	QPSK	1	1	22.58	22.66	22.53	23.5
Channel				504204	518998	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	22.61	22.63	22.49	23.5
Channel				503202	518998	533000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	22.54	22.72	22.56	23.5
Channel				502200	518998	534998	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	1	22.53	22.63	22.44	23.5
Channel				501204	518998	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	22.50	22.65	22.45	23.5



n7 Ant5 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				503000	507000	510000		
Frequency (MHz)				2530	2535	2550		
40	PI/2 BPSK	1	1	23.66	23.89	23.86		
40	PI/2 BPSK	1	108	23.80	23.85	23.87	24.5	0.0
40	PI/2 BPSK	1	214	23.70	23.82	23.83		
40	PI/2 BPSK	108	0	23.36	23.45	23.28	24.0	0.5
40	PI/2 BPSK	108	54	23.76	23.86	23.79	24.5	0.0
40	PI/2 BPSK	108	108	23.32	23.39	23.25	24.0	0.5
40	PI/2 BPSK	216	0	23.35	23.48	23.39		
40	QPSK	1	1	23.82	23.94	23.89		
40	QPSK	1	108	23.78	23.93	23.80	24.5	0.0
40	QPSK	1	214	23.91	23.87	23.87		
40	QPSK	108	0	22.62	22.85	22.88	23.5	1.0
40	QPSK	108	54	23.68	23.67	23.81	24.5	0.0
40	QPSK	108	108	22.81	22.86	22.83	23.5	1.0
40	QPSK	216	0	22.82	23.03	22.99		
40	16QAM	1	1	22.48	22.56	22.50	23.5	1.0
40	16QAM	1	1	21.28	21.25	21.19	22.0	2.5
40	256QAM	1	1	19.23	19.32	19.31	20.0	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.75	23.77	23.82	24.5	0.0
Channel				502000	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2527.5	(dBm)	(dB)
25	QPSK	1	1	23.60	23.87	23.81	24.5	0.0
Channel				502000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	23.77	23.78	23.73	24.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	23.67	23.91	23.80	24.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	23.80	23.89	23.76	24.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	23.68	23.84	23.85	24.5	0.0

n66 Ant5 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				349000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.32	24.47	24.44		
40	PI/2 BPSK	1	108	24.19	24.36	24.36	25.0	0.0
40	PI/2 BPSK	1	214	24.10	24.40	24.35		
40	PI/2 BPSK	108	0	23.89	24.06	23.88	24.5	0.5
40	PI/2 BPSK	108	54	24.09	24.40	24.24	25.0	0.0
40	PI/2 BPSK	108	108	23.83	23.85	23.96	24.5	0.5
40	PI/2 BPSK	216	0	23.72	23.84	23.92		
40	QPSK	1	1	24.40	24.65	24.31		
40	QPSK	1	108	24.31	24.53	24.47	25.0	0.0
40	QPSK	1	214	24.25	24.22	24.39		
40	QPSK	108	0	23.24	23.17	23.42	24.0	1.0
40	QPSK	108	54	24.24	24.35	24.33	25.0	0.0
40	QPSK	108	108	23.30	23.30	23.34	24.0	1.0
40	QPSK	216	0	23.34	23.38	23.25		
40	16QAM	1	1	23.09	23.27	23.43	24.0	1.0
40	16QAM	1	1	22.08	22.23	22.12	22.5	2.5
40	256QAM	1	1	19.79	19.78	19.84	20.5	4.5
Channel				349000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.44	24.33	24.27	25.0	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	24.27	24.29	24.29	25.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	24.34	24.36	24.30	25.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	24.40	24.27	24.22	25.0	0.0
Channel				342500	349000	356000	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	24.35	24.28	24.25	25.0	0.0



n38 Ant5 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.69	23.87	23.80	
40	PI/2 BPSK	1	53	23.68	23.79	23.67	24.5
40	PI/2 BPSK	1	104	23.75	23.80	23.76	
40	PI/2 BPSK	50	0	23.23	23.32	23.17	24.0
40	PI/2 BPSK	50	28	23.68	23.87	23.78	24.5
40	PI/2 BPSK	50	56	23.22	23.40	23.25	24.0
40	PI/2 BPSK	100	0	23.27	23.35	23.29	
40	QPSK	1	1	23.87	23.94	23.76	
40	QPSK	1	53	23.80	23.85	23.84	24.5
40	QPSK	1	104	23.81	23.83	23.85	
40	QPSK	50	0	22.74	22.85	22.88	23.5
40	QPSK	50	28	23.75	23.67	23.83	24.5
40	QPSK	80	56	22.75	22.81	22.86	23.5
40	QPSK	100	0	22.79	22.82	22.81	
40	16QAM	1	1	22.94	22.98	22.92	23.5
40	64QAM	1	1	21.08	21.18	21.01	22.0
40	256QAM	1	1	18.77	18.85	18.69	20.0
Channel				5170.02	5190.00	5209.98	
Frequency (MHz)				5170.02	5190.00	5209.98	
30	QPSK	1	1	23.83	23.84	23.87	24.5
Channel				516000	519000	520000	
Frequency (MHz)				516000	519000	520000	
20	QPSK	1	1	23.74	23.89	23.72	24.5
Channel				515502	519000	522498	
Frequency (MHz)				515502	519000	522498	
15	QPSK	1	1	23.84	23.91	23.83	24.5
Channel				515004	519000	520998	
Frequency (MHz)				515004	519000	520998	
10	QPSK	1	1	23.77	23.78	23.83	24.5

n41 Ant5 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2592.99	2640	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.66	23.73	23.61	
100	PI/2 BPSK	1	137	23.75	23.80	23.70	24.5
100	PI/2 BPSK	1	271	23.70	23.85	23.76	
100	PI/2 BPSK	135	0	23.20	23.34	23.18	24.0
100	PI/2 BPSK	135	69	23.80	23.88	23.76	24.5
100	PI/2 BPSK	135	138	23.19	23.37	23.33	24.0
100	PI/2 BPSK	270	0	23.34	23.39	23.21	
100	QPSK	1	1	23.83	23.90	23.88	
100	QPSK	1	137	23.73	23.86	23.71	24.5
100	QPSK	1	271	23.85	23.70	23.84	
100	QPSK	135	0	22.82	22.84	22.73	23.5
100	QPSK	135	69	23.78	23.83	23.75	24.5
100	QPSK	135	138	22.70	22.85	22.73	23.5
100	QPSK	270	0	22.75	22.88	22.82	
100	16QAM	1	1	22.89	23.02	22.90	23.5
100	64QAM	1	1	20.81	20.98	20.93	22.0
100	256QAM	1	1	19.05	19.15	19.08	20.0
Channel				506000	518000	520998	
Frequency (MHz)				506000	518000	520998	
90	QPSK	1	1	23.79	23.87	23.85	24.5
Channel				507204	518998	520998	
Frequency (MHz)				507204	518998	520998	
80	QPSK	1	1	23.67	23.85	23.84	24.5
Channel				506202	518998	531000	
Frequency (MHz)				506202	518998	531000	
70	QPSK	1	1	23.72	23.76	23.78	24.5
Channel				505200	518998	531998	
Frequency (MHz)				505200	518998	531998	
60	QPSK	1	1	23.78	23.80	23.79	24.5
Channel				504204	518998	532998	
Frequency (MHz)				504204	518998	532998	
50	QPSK	1	1	23.89	23.73	23.81	24.5
Channel				503202	518998	533000	
Frequency (MHz)				503202	518998	533000	
40	QPSK	1	1	23.80	23.73	23.77	24.5
Channel				502200	518998	534998	
Frequency (MHz)				502200	518998	534998	
30	QPSK	1	1	23.69	23.83	23.80	24.5
Channel				501204	518998	535998	
Frequency (MHz)				501204	518998	535998	
20	QPSK	1	1	23.79	23.82	23.85	24.5



PC3 Part270 n77 Ant9 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.94	24.08	23.89			
100	PI2 BPSK	1	137	23.81	24.00	23.76	24.5	0.0	
100	PI2 BPSK	1	271	23.82	23.79	23.75			
100	PI2 BPSK	135	0	23.37	23.85	23.43	24.0	0.5	
100	PI2 BPSK	135	69	23.89	23.95	23.87	24.5	0.0	
100	PI2 BPSK	135	138	23.33	23.30	23.18	24.0	0.5	
100	PI2 BPSK	270	0	23.40	23.39	23.39			
100	QPSK	1	1	24.05	24.11	23.98			
100	QPSK	1	137	23.88	24.06	23.97	24.5	0.0	
100	QPSK	1	271	23.87	23.84	23.74			
100	QPSK	135	0	23.02	23.16	23.08	23.5	1.0	
100	QPSK	135	69	23.81	23.91	23.83	24.5	0.0	
100	QPSK	135	138	22.88	22.94	22.86	23.5	1.0	
100	QPSK	270	0	22.72	22.81	22.71			
100	16QAM	1	1	23.00	23.12	22.98	23.5	1.0	
100	16QAM	1	1	21.28	21.34	21.31	22.0	2.5	
100	256QAM	1	1	19.15	19.11	19.14	20.0	4.5	
Channel				643983	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.94	24.08	23.94	24.5	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.93	23.95	23.95	24.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	24.01	24.00	23.88	24.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.90	23.97	23.87	24.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.94	23.98	23.83	24.5	0.0	
Channel				645000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.93	24.00	23.83	24.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3955.01			
30	QPSK	1	1	24.02	23.94	23.93	24.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.03	23.99	23.83	24.5	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.98	24.04	23.87	24.5	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.97	24.03	23.82	24.5	0.0	

PC3 Part27Q n77 Ant9 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334	63334	63334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	24.09					
100	PI2 BPSK	1	137	24.11			24.5	0.0	
100	PI2 BPSK	1	271	23.87					
100	PI2 BPSK	135	0	23.50			24.0	0.5	
100	PI2 BPSK	135	69	24.06			24.5	0.0	
100	PI2 BPSK	135	138	23.56			24.0	0.5	
100	PI2 BPSK	270	0	23.57					
100	QPSK	1	1	24.16					
100	QPSK	1	137	24.12			24.5	0.0	
100	QPSK	1	271	23.95					
100	QPSK	135	0	23.02			23.5	1.0	
100	QPSK	135	69	24.15			24.5	0.0	
100	QPSK	135	138	23.06			23.5	1.0	
100	QPSK	270	0	23.08					
100	16QAM	1	1	22.99			23.5	1.0	
100	16QAM	1	1	21.53			22.0	2.5	
100	256QAM	1	1	19.29			20.0	4.5	
Channel				633668	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.00	24.12	24.06	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	24.10	24.02	24.07	24.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.15	24.09	24.11	24.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.15	24.06	24.08	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.00	24.14	24.07	24.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	24.13	24.01	24.15	24.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.10	24.01	24.07	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.05	24.14	24.13	24.5	0.0	
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.50			
15	QPSK	1	1	24.05	24.03	24.18	24.5	0.0	
Channel				630034	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.15	24.16	24.13	24.5	0.0	



PC3 Part270 n78 Ant9 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	22.59	22.59	22.59			
100	PI2 BPSK	1	137	22.84	22.84	22.84	24.5	0.0	
100	PI2 BPSK	1	271	22.57	22.57	22.57			
100	PI2 BPSK	135	0	22.82	22.82	22.82	24.5	0.0	
100	PI2 BPSK	135	69	22.60	22.60	22.60	24.5	0.0	
100	PI2 BPSK	135	138	22.52	22.52	22.52	24.5	0.0	
100	PI2 BPSK	270	0	22.54	22.54	22.54			
100	QPSK	1	1	22.55	22.55	22.55			
100	QPSK	1	137	22.81	22.81	22.81	24.5	0.0	
100	QPSK	1	271	22.55	22.55	22.55			
100	QPSK	135	0	22.57	22.57	22.57	24.5	0.0	
100	QPSK	135	69	22.59	22.59	22.59	24.5	0.0	
100	QPSK	135	138	22.53	22.53	22.53	24.5	0.0	
100	QPSK	270	0	22.55	22.55	22.55			
100	16QAM	1	1	22.60	22.60	22.60	24.5	0.0	
100	16QAM	1	1	21.15	21.15	21.15	23.0	1.5	
100	256QAM	1	1	19.08	19.08	19.08	21.0	3.5	
Channel				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.82	22.51	22.56	24.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.57	22.55	22.51	24.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.57	22.54	22.52	24.5	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	22.54	22.54	22.83	24.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.62	22.53	22.54	24.5	0.0	
Channel				645000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.54	22.51	22.81	24.5	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.02	3750	3732.01			
30	QPSK	1	1	22.51	22.60	22.55	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.53	22.53	22.55	24.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	22.59	22.83	22.59	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.57	22.59	22.56	24.5	0.0	

PC2 Part270 n78 Ant9 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	25.01	25.01	25.01			
100	PI2 BPSK	1	137	25.07	25.07	25.07	27.5	0.0	
100	PI2 BPSK	1	271	25.56	25.56	25.56			
100	PI2 BPSK	135	0	25.19	25.19	25.19	27.0	0.5	
100	PI2 BPSK	135	69	25.07	25.07	25.07	27.5	0.0	
100	PI2 BPSK	135	138	25.06	25.06	25.06	27.0	0.5	
100	PI2 BPSK	270	0	25.16	25.16	25.16			
100	QPSK	1	1	25.09	25.09	25.09			
100	QPSK	1	137	25.55	25.55	25.55	27.5	0.0	
100	QPSK	1	271	25.55	25.55	25.55			
100	QPSK	135	0	24.89	24.89	24.89	26.5	1.0	
100	QPSK	135	69	25.58	25.58	25.58	27.5	0.0	
100	QPSK	135	138	24.71	24.71	24.71	26.5	1.0	
100	QPSK	270	0	24.70	24.70	24.70			
100	16QAM	1	1	24.83	24.83	24.83	26.5	1.0	
100	16QAM	1	1	23.12	23.12	23.12	25.0	2.5	
100	256QAM	1	1	21.07	21.07	21.07	23.0	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	25.66	25.55	25.57	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	25.85	25.80	25.59	27.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	25.62	25.59	25.52	27.5	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	25.53	25.54	25.51	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	25.58	25.63	25.57	27.5	0.0	
Channel				645000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	25.55	25.57	25.56	27.5	0.0	
Channel				647688	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.02	3750	3732.01			
30	QPSK	1	1	25.60	25.52	25.57	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	25.85	25.52	25.60	27.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	26.01	25.54	25.54	27.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	25.53	25.60	25.53	27.5	0.0	



PC3 Part27Q 78 Ant9 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3500.01									
100	PI2 BPSK	1	1		22.53		25.60		
100	PI2 BPSK	1	137		22.60		24.5	0.0	
100	PI2 BPSK	1	271		22.66		25.67		
100	PI2 BPSK	135	0		22.53		25.04	0.0	
100	PI2 BPSK	135	69		22.57		24.5	0.0	
100	PI2 BPSK	135	138		22.59		25.16	0.0	
100	PI2 BPSK	270	0		22.54		25.14		
100	QPSK	1	1		22.61		25.64		
100	QPSK	1	137		22.58		25.55	27.5	0.0
100	QPSK	1	271		22.53		25.61		
100	QPSK	135	0		22.51		24.51	26.5	1.0
100	QPSK	135	69		22.59		25.63	27.5	0.0
100	QPSK	135	138		22.61		24.48	26.5	1.0
100	QPSK	270	0		22.55		24.60	26.5	1.0
100	16QAM	1	1		22.54		24.68	26.5	1.0
100	64QAM	1	1		21.16		23.12	25.0	2.5
100	256QAM	1	1		18.14		21.0	23.0	3.5
Channel									
Frequency (MHz)									
633090 633334 633668									
3495 3500.01 3505.02									
90	QPSK	1	1		22.53	22.55	22.51	24.5	0.0
Channel									
Frequency (MHz)									
632668 633334 634000									
3490.02 3500.01 3510									
80	QPSK	1	1		22.53	22.59	22.54	24.5	0.0
Channel									
Frequency (MHz)									
632334 633334 634334									
3485.01 3500.01 3515.01									
70	QPSK	1	1		22.53	22.51	22.56	24.5	0.0
Channel									
Frequency (MHz)									
632000 633334 634668									
3480 3500.01 3520.02									
60	QPSK	1	1		22.53	22.58	22.51	24.5	0.0
Channel									
Frequency (MHz)									
631668 633334 635000									
3475.02 3500.01 3525									
50	QPSK	1	1		22.57	22.57	22.59	24.5	0.0
Channel									
Frequency (MHz)									
631334 633334 635334									
3470.01 3500.01 3530.01									
40	QPSK	1	1		22.58	22.51	22.54	24.5	0.0
Channel									
Frequency (MHz)									
631000 633334 635668									
3465 3500.01 3535.02									
30	QPSK	1	1		22.54	22.59	22.51	24.5	0.0
Channel									
Frequency (MHz)									
630668 633334 636000									
3460.02 3500.01 3540									
20	QPSK	1	1		22.52	22.55	22.51	24.5	0.0
Channel									
Frequency (MHz)									
630500 633334 636168									
3457.5 3500.01 3545.02									
15	QPSK	1	1		22.53	22.59	22.57	24.5	0.0
Channel									
Frequency (MHz)									
630334 633334 636334									
3455.01 3500.01 3545.01									
10	QPSK	1	1		22.54	22.52	22.58	24.5	0.0

PC2 Part27Q 78 Ant9 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3500.01									
100	PI2 BPSK	1	1		22.53		25.60		
100	PI2 BPSK	1	137		25.51		27.5	0.0	
100	PI2 BPSK	1	271		25.67		27.0	0.5	
100	PI2 BPSK	135	0		25.04		27.5	0.0	
100	PI2 BPSK	135	69		25.56		27.0	0.5	
100	PI2 BPSK	135	138		25.16		27.5	0.0	
100	PI2 BPSK	270	0		25.14		27.0	0.5	
100	QPSK	1	1		25.64		27.5	0.0	
100	QPSK	1	137		25.55		26.5	1.0	
100	QPSK	1	271		25.61		27.5	0.0	
100	QPSK	135	0		24.51		26.5	1.0	
100	QPSK	135	69		25.63		27.5	0.0	
100	QPSK	135	138		24.48		26.5	1.0	
100	QPSK	270	0		24.60		26.5	1.0	
100	16QAM	1	1		24.68		26.5	1.0	
100	64QAM	1	1		23.12		25.0	2.5	
100	256QAM	1	1		21.16		23.0	3.5	
Channel									
Frequency (MHz)									
633090 633334 633668									
3495 3500.01 3505.02									
90	QPSK	1	1		25.61	25.58	25.56	27.5	0.0
Channel									
Frequency (MHz)									
632668 633334 634000									
3490.02 3500.01 3510									
80	QPSK	1	1		25.53	25.55	25.52	27.5	0.0
Channel									
Frequency (MHz)									
632334 633334 634334									
3485.01 3500.01 3515.01									
70	QPSK	1	1		25.53	25.61	25.60	27.5	0.0
Channel									
Frequency (MHz)									
632000 633334 634668									
3480 3500.01 3520.02									
60	QPSK	1	1		25.51	25.56	25.52	27.5	0.0
Channel									
Frequency (MHz)									
631668 633334 635000									
3475.02 3500.01 3525									
50	QPSK	1	1		25.53	25.58	25.59	27.5	0.0
Channel									
Frequency (MHz)									
631334 633334 635334									
3470.01 3500.01 3530.01									
40	QPSK	1	1		25.55	25.54	25.80	27.5	0.0
Channel									
Frequency (MHz)									
631000 633334 635668									
3465 3500.01 3535.02									
30	QPSK	1	1		25.61	25.61	25.55	27.5	0.0
Channel									
Frequency (MHz)									
630668 633334 636000									
3460.02 3500.01 3540									
20	QPSK	1	1		25.51	25.57	25.59	27.5	0.0
Channel									
Frequency (MHz)									
630500 633334 636168									
3457.5 3500.01 3545.02									
15	QPSK	1	1		25.54	25.53	25.57	27.5	0.0
Channel									
Frequency (MHz)									
630334 633334 636334									
3455.01 3500.01 3545.01									
10	QPSK	1	1		25.55	25.51	25.54	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				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.58	24.63	24.61		
100	PI2 BPSK	1	137	24.51	24.65	24.59	25.7	0.0
100	PI2 BPSK	1	271	24.84	24.69	24.66		
100	PI2 BPSK	135	0	24.20	24.22	24.13	25.2	0.5
100	PI2 BPSK	135	69	24.53	24.64	24.55	25.7	0.0
100	PI2 BPSK	135	138	24.13	24.16	24.08	25.2	0.5
100	PI2 BPSK	270	0	24.10	24.22	24.04		
100	QPSK	1	1	24.62	24.73	24.68		
100	QPSK	1	137	24.52	24.62	24.58	25.7	0.0
100	QPSK	1	271	24.55	24.59	24.54		
100	QPSK	135	0	23.57	23.69	23.65	24.7	1.0
100	QPSK	135	69	24.53	24.67	24.59	25.7	0.0
100	QPSK	135	138	23.58	23.69	23.53	24.7	1.0
100	QPSK	270	0	23.58	23.74	23.56		
100	16QAM	1	1	23.51	23.54	23.59	24.7	1.0
100	64QAM	1	1	22.13	22.07	22.02	23.2	2.5
100	256QAM	1	1	20.10	20.16	20.13	21.2	4.5
Channel				64998	65000	65002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.59	24.67	24.58	25.7	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3740	3940.02	(dBm)	(dB)
80	QPSK	1	1	24.52	24.69	24.58	25.7	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	24.52	24.64	24.51	25.7	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.03	(dBm)	(dB)
60	QPSK	1	1	24.58	24.59	24.52	25.7	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	24.54	24.58	24.65	25.7	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	24.57	24.64	24.51	25.7	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	24.55	24.59	24.55	25.7	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	24.59	24.70	24.63	25.7	0.0
Channel				647000	656000	664934	Tune-up limit	MPR
Frequency (MHz)				3705.02	3840	3975.03	(dBm)	(dB)
15	QPSK	1	1	24.52	24.69	24.55	25.7	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	24.51	24.68	24.57	25.7	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				63000	63334	63500		
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1			25.07		
100	PI2 BPSK	1	137			25.03	25.7	0.0
100	PI2 BPSK	1	271			24.86		
100	PI2 BPSK	135	0			24.41	25.2	0.5
100	PI2 BPSK	135	69			24.93	25.7	0.0
100	PI2 BPSK	135	138			24.45	25.2	0.5
100	PI2 BPSK	270	0			24.40		
100	QPSK	1	1			25.08		
100	QPSK	1	137			24.94	25.7	0.0
100	QPSK	1	271			25.05		
100	QPSK	135	0			23.92	24.7	1.0
100	QPSK	135	69			24.81	25.7	0.0
100	QPSK	135	138			22.97	24.7	1.0
100	QPSK	270	0			23.93		
100	16QAM	1	1			24.04	24.7	1.0
100	64QAM	1	1			22.21	23.2	2.5
100	256QAM	1	1			20.12	21.2	4.5
Channel				63000	63334	63668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	24.92	24.92	24.95	25.7	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	24.91	24.99	25.06	25.7	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.00	25.06	24.92	25.7	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	24.98	24.95	24.98	25.7	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	25.02	25.04	24.93	25.7	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	24.91	24.99	25.04	25.7	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	24.98	25.07	24.99	25.7	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	25.03	25.00	25.06	25.7	0.0
Channel				630500	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.02	(dBm)	(dB)
15	QPSK	1	1	25.01	25.01	25.00	25.7	0.0
Channel				630334	633334	636668	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	25.07	24.95	25.02	25.7	0.0



PC3 Part270 n78 Ant10 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		22.73				
100	PI2 BPSK	1	137		22.81			24.5	0.0
100	PI2 BPSK	1	271		22.75			24.5	0.0
100	PI2 BPSK	135	0		22.87			24.5	0.0
100	PI2 BPSK	135	69		22.88			24.5	0.0
100	PI2 BPSK	135	138		22.77			24.5	0.0
100	PI2 BPSK	270	0		22.67			24.5	0.0
100	QPSK	1	1		22.81			24.5	0.0
100	QPSK	1	137		22.72			24.5	0.0
100	QPSK	1	271		22.74			24.5	0.0
100	QPSK	135	0		22.61			24.5	0.0
100	QPSK	135	69		22.71			24.5	0.0
100	QPSK	135	138		22.65			24.5	0.0
100	QPSK	270	0		22.83			24.5	0.0
100	16QAM	1	1		22.75			24.5	0.0
100	64QAM	1	1		21.20			23.0	1.5
100	256QAM	1	1		19.30			21.0	3.5
Channel				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.74	22.71	22.80	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.82	22.72	22.80	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.79	22.78	22.80	24.5	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.82	22.75	22.78	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.80	22.74	22.81	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.72	22.80	22.71	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	0		22.82	22.84	22.81	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.75	22.75	22.82	24.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.52	3750	3792.51			
15	QPSK	1	1		22.71	22.77	22.84	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.78	22.83	22.81	24.5	0.0

PC2 Part270 n78 Ant10 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI2 BPSK	1	1		25.62			27.5	0.0
100	PI2 BPSK	1	137		25.60			27.5	0.0
100	PI2 BPSK	1	271		25.55			27.0	0.5
100	PI2 BPSK	135	0		25.14			27.5	0.0
100	PI2 BPSK	135	69		25.67			27.5	0.0
100	PI2 BPSK	135	138		25.14			27.0	0.5
100	PI2 BPSK	270	0		25.17			27.5	0.0
100	QPSK	1	1		25.69			27.5	0.0
100	QPSK	1	137		25.67			27.5	0.0
100	QPSK	1	271		25.59			26.5	1.0
100	QPSK	135	0		24.65			27.5	0.0
100	QPSK	135	69		25.81			26.5	1.0
100	QPSK	135	138		24.80			26.5	1.0
100	QPSK	270	0		24.62			26.5	1.0
100	16QAM	1	1		24.52			25.0	2.5
100	64QAM	1	1		23.27			23.0	4.5
100	256QAM	1	1		21.25			23.0	4.5
Channel				648688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.54	25.53	25.63	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		25.56	25.57	25.54	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.64	25.55	25.54	27.5	0.0
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.63	25.61	25.57	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		25.58	25.54	25.66	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.65	25.58	25.55	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		25.52	25.60	25.59	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		25.57	25.66	25.61	27.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.52	3750	3792.51			
15	QPSK	1	1		25.58	25.62	25.54	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.55	25.65	25.56	27.5	0.0



PC3 Part27Q 78 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	PI2 BPSK	1	1		23.49				
100	PI2 BPSK	1	137		23.46			24.5	0.0
100	PI2 BPSK	1	271		23.42			24.5	0.0
100	PI2 BPSK	135	0		23.27			24.5	0.0
100	PI2 BPSK	135	69		23.38			24.5	0.0
100	PI2 BPSK	135	138		23.42			24.5	0.0
100	PI2 BPSK	270	0		23.24			24.5	0.0
100	QPSK	1	1		23.58			24.5	0.0
100	QPSK	1	137		23.28			24.5	0.0
100	QPSK	1	271		23.54			24.5	0.0
100	QPSK	135	0		23.41			24.5	0.0
100	QPSK	135	69		23.48			24.5	0.0
100	QPSK	135	138		23.42			24.5	0.0
100	QPSK	270	0		23.33			24.5	0.0
100	16QAM	1	1		23.23			24.5	0.0
100	64QAM	1	1		21.59			23.0	1.5
100	256QAM	1	1		19.55			21.0	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.5	0.0	
90	QPSK	1	1		23.42	23.43	23.53	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.5	0.0	
80	QPSK	1	1		23.52	23.50	23.40	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3500.01	3515.01	24.5	0.0	
70	QPSK	1	1		23.50	23.44	23.43	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.5	0.0	
60	QPSK	1	1		23.50	23.50	23.47	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505	24.5	0.0	
50	QPSK	1	1		23.45	23.45	23.53	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.5	0.0	
40	QPSK	1	1		23.39	23.51	23.50	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	24.5	0.0	
30	QPSK	1	1		23.42	23.47	23.42	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.5	0.0	
20	QPSK	1	1		23.52	23.39	23.41	24.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	24.5	0.0	
15	QPSK	1	1		23.40	23.44	23.52	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	24.5	0.0	
10	QPSK	1	1		23.52	23.48	23.41	24.5	0.0

PC2 Part27Q 78 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	PI2 BPSK	1	1		26.26				
100	PI2 BPSK	1	137		26.27			27.5	0.0
100	PI2 BPSK	1	271		26.29			27.0	0.5
100	PI2 BPSK	135	0		25.76			27.5	0.0
100	PI2 BPSK	135	69		26.14			27.0	0.5
100	PI2 BPSK	135	138		25.75			27.5	0.0
100	PI2 BPSK	270	0		25.86			27.5	0.0
100	QPSK	1	1		26.36			27.5	0.0
100	QPSK	1	137		26.32			26.5	1.0
100	QPSK	1	271		26.18			26.5	1.0
100	QPSK	135	0		25.30			25.0	2.5
100	QPSK	135	69		26.32			25.0	2.5
100	QPSK	135	138		25.28			26.5	1.0
100	QPSK	270	0		25.34			26.5	1.0
100	16QAM	1	1		25.23			25.0	2.5
100	64QAM	1	1		23.48			23.0	4.5
100	256QAM	1	1		21.32			23.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	24.5	0.0	
90	QPSK	1	1		25.90	25.94	25.95	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		25.92	25.89	25.89	27.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486.01	3500.01	3515.01	27.5	0.0	
70	QPSK	1	1		25.97	25.90	25.88	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		25.91	25.91	25.89	27.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3505	27.5	0.0	
50	QPSK	1	1		25.88	25.88	25.89	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		25.86	25.89	25.90	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		25.94	25.94	25.93	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		25.86	25.96	25.88	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		25.98	25.84	25.89	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		25.87	25.86	25.89	27.5	0.0



PC3 Part270 n77 Ant11 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.53	24.79	24.89			
100	PI2 BPSK	1	137	24.62	24.71	24.78	25.7	0.0	
100	PI2 BPSK	1	271	24.39	24.65	24.58			
100	PI2 BPSK	135	0	24.02	24.16	24.25	25.2	0.5	
100	PI2 BPSK	135	69	24.50	24.59	24.80	25.7	0.0	
100	PI2 BPSK	135	138	23.84	24.11	24.11	25.2	0.5	
100	PI2 BPSK	270	0	23.95	24.16	24.27			
100	QPSK	1	1	24.72	24.87	24.77			
100	QPSK	1	137	24.68	24.75	24.88	25.7	0.0	
100	QPSK	1	271	24.81	24.73	24.80			
100	QPSK	135	0	23.63	23.67	23.73	24.7	1.0	
100	QPSK	135	69	24.71	24.78	24.71	25.7	0.0	
100	QPSK	135	138	23.52	23.58	23.59	24.7	1.0	
100	QPSK	270	0	23.49	23.62	23.45			
100	16QAM	1	1	23.42	23.48	23.50	24.7	1.0	
100	64QAM	1	1	22.07	22.10	22.21	23.2	2.5	
100	256QAM	1	1	19.84	20.02	20.07	21.2	4.5	
Channel				64958	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	24.68	24.81	24.70	25.7	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3740	3940.02			
80	QPSK	1	1	24.61	24.84	24.71	25.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	24.61	24.70	24.82	25.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.61	24.83	24.71	25.7	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	24.57	24.61	24.65	25.7	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.68	24.77	24.66	25.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	24.60	24.79	24.72	25.7	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.82	24.70	24.74	25.7	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3975.51			
15	QPSK	1	1	24.58	24.82	24.74	25.7	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.65	24.83	24.80	25.7	0.0	

PC3 Part27Q n77 Ant11 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63300	63334	63334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1			24.87			
100	PI2 BPSK	1	137			24.80	25.7	0.0	
100	PI2 BPSK	1	271			24.81			
100	PI2 BPSK	135	0			24.33	25.2	0.5	
100	PI2 BPSK	135	69			24.90	25.7	0.0	
100	PI2 BPSK	135	138			24.33	25.2	0.5	
100	PI2 BPSK	270	0			24.35			
100	QPSK	1	1			24.88			
100	QPSK	1	137			24.91	25.7	0.0	
100	QPSK	1	271			24.92			
100	QPSK	135	0			23.77	24.7	1.0	
100	QPSK	135	69			24.88	25.7	0.0	
100	QPSK	135	138			23.87	24.7	1.0	
100	QPSK	270	0			23.81			
100	16QAM	1	1			23.75	24.7	1.0	
100	64QAM	1	1			22.01	23.2	2.5	
100	256QAM	1	1			19.97	21.2	4.5	
Channel				633000	63334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.78	24.89	24.89	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	24.85	24.80	24.80	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.78	24.83	24.78	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.82	24.75	24.82	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.83	24.86	24.90	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	24.77	24.85	24.84	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.79	24.79	24.77	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.88	24.81	24.79	25.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.88			
15	QPSK	1	1	24.78	24.90	24.78	25.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	24.90	24.90	24.85	25.7	0.0	



PC3 Part270 n78 Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.74				
100	PI2 BPSK	1	137		22.62				0.0
100	PI2 BPSK	1	271		22.53				24.0
100	PI2 BPSK	135	0		22.46				0.0
100	PI2 BPSK	135	69		22.53				0.0
100	PI2 BPSK	135	138		22.47				0.0
100	PI2 BPSK	270	0		22.40				0.0
100	QPSK	1	1		22.75				24.0
100	QPSK	1	137		22.71				0.0
100	QPSK	1	271		22.88				0.0
100	QPSK	135	0		22.42				0.0
100	QPSK	135	69		22.56				0.0
100	QPSK	135	138		22.53				0.0
100	QPSK	270	0		22.57				0.0
100	16QAM	1	1		22.39				0.0
100	64QAM	1	1		21.28				1.5
100	256QAM	1	1		19.24				3.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.65	22.72	22.69	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.62	22.69	22.62	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.89	22.62	22.71	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.86	22.85	22.67	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.80	22.59	22.66	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.69	22.66	22.71	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	0		22.67	22.69	22.73	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.58	22.61	22.61	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.53	3750	3792.51			
15	QPSK	1	1		22.84	22.73	22.70	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.61	22.59	22.63	24.0	0.0

PC2 Part270 n78 Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.54				27.0
100	PI2 BPSK	1	137		25.60				0.0
100	PI2 BPSK	1	271		25.51				0.5
100	PI2 BPSK	135	0		25.17				0.5
100	PI2 BPSK	135	69		25.68				0.0
100	PI2 BPSK	135	138		25.12				0.5
100	PI2 BPSK	270	0		25.16				0.0
100	QPSK	1	1		25.67				27.0
100	QPSK	1	137		25.63				0.0
100	QPSK	1	271		25.61				0.0
100	QPSK	135	0		24.57				1.0
100	QPSK	135	69		25.59				0.0
100	QPSK	135	138		24.58				1.0
100	QPSK	270	0		24.63				0.0
100	16QAM	1	1		24.37				1.0
100	64QAM	1	1		22.87				2.5
100	256QAM	1	1		20.38				4.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.52	25.57	25.53	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.56	25.62	25.65	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.61	25.53	25.58	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.53	25.51	25.50	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.52	25.54	25.58	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.59	25.60	25.54	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.52	25.63	25.51	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.58	25.51	25.51	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.53	3750	3792.51			
15	QPSK	1	1		25.58	25.67	25.50	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.57	25.56	25.59	27.0	0.0



PC3 Part27Q 78 Ant11 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				3500.01						
100	PI2 BPSK	1	1		22.97					
100	PI2 BPSK	1	137		22.93			24.0	0.0	
100	PI2 BPSK	1	271		22.87					
100	PI2 BPSK	135	0		22.72			24.0	0.0	
100	PI2 BPSK	135	69		22.77			24.0	0.0	
100	PI2 BPSK	135	138		22.85			24.0	0.0	
100	PI2 BPSK	270	0		22.74					
100	QPSK	1	1		23.08					
100	QPSK	1	137		22.96			24.0	0.0	
100	QPSK	1	271		23.03					
100	QPSK	135	0		22.80			24.0	0.0	
100	QPSK	135	69		22.96			24.0	0.0	
100	QPSK	135	138		22.94					
100	QPSK	270	0		22.87			24.0	0.0	
100	16QAM	1	1		22.79			24.0	0.0	
100	64QAM	1	1		21.39			22.5	1.5	
100	256QAM	1	1		19.71			20.5	3.5	
Channel										
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3495	3500.01	3505.02				
90	QPSK	1	1		23.01	22.96	22.93	24.0	0.0	
Channel										
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3490.02	3500.01	3510				
80	QPSK	1	1		22.97	23.05	22.99	24.0	0.0	
Channel										
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3486.01	3500.01	3515.01				
70	QPSK	1	1		23.02	22.94	22.95	24.0	0.0	
Channel										
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3480	3500.01	3520.02				
60	QPSK	1	1		22.91	23.06	22.99	24.0	0.0	
Channel										
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3475.02	3500.01	3505				
50	QPSK	1	1		23.06	23.02	22.99	24.0	0.0	
Channel										
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3470.01	3500.01	3530.01				
40	QPSK	1	1		22.96	22.96	23.03	24.0	0.0	
Channel										
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3462	3500.01	6352.02				
30	QPSK	1	0		22.94	22.95	22.97	24.0	0.0	
Channel										
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3460.02	3500.01	3540				
20	QPSK	1	1		23.04	22.92	22.91	24.0	0.0	
Channel										
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3457.5	3500.01	3524.52				
15	QPSK	1	1		23.06	23.05	22.91	24.0	0.0	
Channel										
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3455.01	3500.01	3545.01				
10	QPSK	1	1		22.91	22.90	22.93	24.0	0.0	

PC2 Part27Q 78 Ant11 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				3500.01						
100	PI2 BPSK	1	1		26.20					
100	PI2 BPSK	1	137		26.09			27.0	0.0	
100	PI2 BPSK	1	271		26.00					
100	PI2 BPSK	135	0		25.60			26.5	0.5	
100	PI2 BPSK	135	69		26.14			27.0	0.0	
100	PI2 BPSK	135	138		25.68			26.5	0.5	
100	PI2 BPSK	270	0		25.87					
100	QPSK	1	1		26.22					
100	QPSK	1	137		26.05			27.0	0.0	
100	QPSK	1	271		26.02					
100	QPSK	135	0		25.25			26.0	1.0	
100	QPSK	135	69		26.12			27.0	0.0	
100	QPSK	135	138		25.28			26.0	1.0	
100	QPSK	270	0		25.25					
100	16QAM	1	1		25.10			26.0	1.0	
100	64QAM	1	1		23.11			24.5	2.5	
100	256QAM	1	1		21.12			22.5	4.5	
Channel										
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3495	3500.01	3505.02				
90	QPSK	1	1		26.12	26.19	26.16	27.0	0.0	
Channel										
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3490.02	3500.01	3510				
80	QPSK	1	1		26.09	26.09	26.09	27.0	0.0	
Channel										
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3486.01	3500.01	3515.01				
70	QPSK	1	1		26.06	26.18	26.12	27.0	0.0	
Channel										
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3480	3500.01	3520.02				
60	QPSK	1	1		26.05	26.12	26.15	27.0	0.0	
Channel										
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3475.02	3500.01	3505				
50	QPSK	1	1		26.08	26.04	26.10	27.0	0.0	
Channel										
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3470.01	3500.01	3530.01				
40	QPSK	1	1		26.07	26.08	26.20	27.0	0.0	
Channel										
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3462	3500.01	6352.02				
30	QPSK	1	1		26.05	26.14	26.11	27.0	0.0	
Channel										
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3460.02	3500.01	3540				
20	QPSK	1	1		26.07	26.19	26.08	27.0	0.0	
Channel										
				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3457.5	3500.01	3524.52				
15	QPSK	1	1		26.10	26.05	26.18	27.0	0.0	
Channel										
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
				3455.01	3500.01	3545.01				
10	QPSK	1	1		26.15	26.10	26.06	27.0	0.0	



### Reduced Power Mode for DSI 1

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	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.79	24.87	24.85			
20	PI/2 BPSK	1	53	24.84	24.89	24.82	25.5	0.0	
20	PI/2 BPSK	1	104	24.77	24.79	24.65			
20	PI/2 BPSK	50	0	24.19	24.48	24.25	25.0	0.5	
20	PI/2 BPSK	50	28	24.87	24.83	24.71	25.5	0.0	
20	PI/2 BPSK	50	56	24.02	24.27	24.12	25.0	0.5	
20	PI/2 BPSK	100	0	24.37	24.38	24.28			
20	QPSK	1	1	24.94	24.95	24.85			
20	QPSK	1	53	24.79	24.88	24.70	25.5	0.0	
20	QPSK	1	104	24.81	24.79	24.65			
20	QPSK	50	0	23.71	23.73	23.76	24.5	1.0	
20	QPSK	50	28	24.92	24.90	24.74	26.5	0.0	
20	QPSK	50	56	23.75	23.81	23.73	24.5	1.0	
20	QPSK	100	0	23.73	23.95	23.68			
20	16QAM	1	1	23.69	23.88	23.75	24.5	1.0	
20	16QAM	1	1	22.32	22.41	22.16	23.0	2.5	
20	256QAM	1	1	20.68	20.71	20.55	21.0	4.5	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.91	24.83	24.80	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	841			
10	QPSK	1	1	24.78	24.81	24.77	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	24.92	24.87	24.81	25.5	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	23.35	23.43	23.25			
40	PI/2 BPSK	1	108	23.44	23.40	23.31	24.0	0.0	
40	PI/2 BPSK	1	214	23.23	23.30	23.10			
40	PI/2 BPSK	108	0	22.81	22.85	22.90	23.5	0.5	
40	PI/2 BPSK	108	54	23.00	23.30	23.03	24.0	0.0	
40	PI/2 BPSK	108	108	22.79	22.77	22.69	23.5	0.5	
40	PI/2 BPSK	216	0	22.88	22.76	22.64			
40	QPSK	1	1	23.22	23.47	23.35			
40	QPSK	1	108	23.07	23.25	23.24	24.0	0.0	
40	QPSK	1	214	23.24	23.11	23.22			
40	QPSK	108	0	22.18	22.31	22.11	23.0	1.0	
40	QPSK	108	54	23.02	23.20	22.99	24.0	0.0	
40	QPSK	108	108	22.04	22.25	22.18	23.0	1.0	
40	QPSK	216	0	22.22	22.26	22.16			
40	16QAM	1	1	22.16	22.11	21.94	23.0	1.0	
40	16QAM	1	1	20.44	20.68	20.58	21.5	2.5	
40	256QAM	1	1	18.38	18.36	18.42	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.11	23.33	23.22	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2519.5	2535	2557.5			
25	QPSK	1	1	23.18	23.29	23.31	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.10	23.37	23.24	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	23.20	23.39	23.27	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2555			
10	QPSK	1	1	23.10	23.30	23.30	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	23.14	23.44	23.30	24.0	0.0	

n66 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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.81	22.94	22.85			
40	PI/2 BPSK	1	108	22.83	22.91	22.88	23.5	0.0	
40	PI/2 BPSK	1	214	22.71	22.92	22.64			
40	PI/2 BPSK	108	0	22.28	22.41	22.19	23.0	0.5	
40	PI/2 BPSK	108	54	22.86	23.00	22.85	23.5	0.0	
40	PI/2 BPSK	108	108	22.33	22.38	22.30	23.0	0.5	
40	PI/2 BPSK	216	0	22.34	22.42	22.24			
40	QPSK	1	1	22.78	23.03	22.97			
40	QPSK	1	108	22.77	22.89	22.74	23.5	0.0	
40	QPSK	1	214	22.57	22.73	22.60			
40	QPSK	108	0	21.65	21.84	21.85	22.5	1.0	
40	QPSK	108	54	22.94	23.02	22.82	23.5	0.0	
40	QPSK	108	108	21.69	21.84	21.77	22.5	1.0	
40	QPSK	216	0	21.92	22.06	21.98			
40	16QAM	1	1	21.88	21.94	21.89	22.5	1.0	
40	16QAM	1	1	20.36	20.30	20.29	21.0	2.5	
40	256QAM	1	1	18.66	18.74	18.74	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.67	22.86	22.86	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.74	22.94	22.84	23.5	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.67	22.89	22.89	23.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.72	22.85	22.89	23.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1772.5			
5	QPSK	1	1	22.81	22.97	22.87	23.5	0.0	



n38 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
40	PI4-BPSK	1	1	23.13	23.31	23.39	24.0	0.0	
Frequency (MHz)									
40	PI4-BPSK	1	1	23.13	23.14	23.15	24.0	0.0	
Channel									
40	PI4-BPSK	1	1	23.15	23.13	23.14	24.0	0.0	
Frequency (MHz)									
40	PI4-BPSK	50	0	22.08	22.08	22.08	23.0	0.0	
Channel									
40	PI4-BPSK	50	0	22.09	22.09	22.09	24.0	0.0	
Frequency (MHz)									
40	PI4-BPSK	50	50	22.05	22.05	22.07	23.0	0.0	
Channel									
40	PI4-BPSK	100	0	22.05	22.10	22.15	24.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	23.15	23.24	23.32	24.0	0.0	
Channel									
40	QPSK	1	1	23.15	23.00	22.98	24.0	0.0	
Frequency (MHz)									
40	QPSK	1	1	23.15	23.13	23.14	24.0	0.0	
Channel									
40	QPSK	50	0	22.08	22.13	22.22	23.0	1.0	
Channel									
40	QPSK	50	50	22.05	22.10	22.18	24.0	0.0	
Frequency (MHz)									
40	QPSK	100	0	22.10	22.25	22.15	23.0	1.0	
Channel									
40	MSK4M	1	1	20.30	20.39	20.39	21.0	2.0	
Frequency (MHz)									
40	MSK4M	1	1	18.33	18.30	18.33	18.0	4.0	
Channel									
30	QPSK	1	1	23.08	23.00	23.12	24.0	0.0	
Frequency (MHz)									
30	QPSK	1	1	23.08	23.00	23.00	24.0	0.0	
Channel									
20	QPSK	1	1	22.90	23.14	23.16	24.0	0.0	
Channel									
15	QPSK	1	1	23.11	23.00	23.39	24.0	0.0	
Channel									
10	QPSK	1	1	22.92	23.18	23.18	24.0	0.0	
Channel									
10	QPSK	1	1	22.98	23.11	23.11	24.0	0.0	

n41 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI4-BPSK	1	1	22.75	22.85	22.87			
Frequency (MHz)									
100	PI4-BPSK	1	137	22.82	22.85	22.86	24.0	0.0	
Channel									
100	PI4-BPSK	1	271	22.74	22.81	22.85			
Frequency (MHz)									
100	PI4-BPSK	136	0	22.20	22.45	22.20	23.0	0.0	
Channel									
100	PI4-BPSK	136	136	22.24	22.48	22.38	23.0	0.0	
Frequency (MHz)									
100	PI4-BPSK	270	0	22.21	22.48	22.20			
Channel									
100	QPSK	1	1	22.85	22.91	22.89	24.0	0.0	
Frequency (MHz)									
100	QPSK	136	0	21.20	21.88	21.50	23.0	1.0	
Channel									
100	QPSK	136	136	21.24	21.77	21.79	23.0	1.0	
Frequency (MHz)									
100	QPSK	270	0	21.20	21.80	21.81			
Channel									
100	MSK4M	1	1	21.86	22.05	21.80	23.0	1.0	
Frequency (MHz)									
100	MSK4M	1	1	20.44	20.37	20.38	21.0	2.0	
Frequency (MHz)									
100	MSK4M	1	1	18.32	18.30	18.33	18.0	4.0	
Channel									
50	QPSK	1	1	22.75	22.85	22.87	24.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	22.75	22.85	22.87	24.0	0.0	
Channel									
80	QPSK	1	1	22.21	22.32	22.87	24.0	0.0	
Channel									
70	QPSK	1	1	22.21	22.50	22.84	24.0	0.0	
Channel									
60	QPSK	1	1	22.25	22.43	22.87	24.0	0.0	
Channel									
50	QPSK	1	1	22.25	22.34	22.82	24.0	0.0	
Channel									
40	QPSK	1	1	22.22	22.30	22.87	24.0	0.0	
Channel									
30	QPSK	1	1	22.21	22.33	22.84	24.0	0.0	
Channel									
20	QPSK	1	1	22.22	22.48	22.82	24.0	0.0	

PC3 Part270 n77 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI4-BPSK	1	1	22.86	22.95	22.95			
Frequency (MHz)									
100	PI4-BPSK	1	137	22.82	22.83	22.79	24.0	0.0	
Channel									
100	PI4-BPSK	1	271	22.81	22.82	22.87			
Frequency (MHz)									
100	PI4-BPSK	136	0	22.22	22.44	22.20	23.0	0.0	
Channel									
100	PI4-BPSK	136	136	22.24	22.18	22.17	23.0	0.0	
Frequency (MHz)									
100	PI4-BPSK	270	0	22.17	22.28	22.16			
Channel									
100	QPSK	1	1	22.92	22.99	22.98	24.0	0.0	
Frequency (MHz)									
100	QPSK	136	0	21.77	21.80	21.78	23.0	1.0	
Channel									
100	QPSK	136	136	21.85	21.85	21.85	23.0	1.0	
Frequency (MHz)									
100	QPSK	270	0	21.81	21.80	21.82			
Channel									
100	MSK4M	1	1	21.85	21.87	21.85	23.0	1.0	
Frequency (MHz)									
100	MSK4M	1	1	20.52	20.30	20.29	21.0	2.0	
Frequency (MHz)									
100	MSK4M	1	1	18.33	18.30	18.34	18.0	4.0	
Channel									
50	QPSK	1	1	22.86	22.87	22.84	24.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	22.86	22.87	22.85	24.0	0.0	
Channel									
80	QPSK	1	1	22.89	22.84	22.83	24.0	0.0	
Channel									
70	QPSK	1	1	22.88	22.83	22.85	24.0	0.0	
Channel									
60	QPSK	1	1	22.92	22.91	22.92	24.0	0.0	
Channel									
50	QPSK	1	1	22.92	22.81	22.82	24.0	0.0	
Channel									
40	QPSK	1	1	22.83	22.86	22.84	24.0	0.0	
Channel									
30	QPSK	1	1	22.83	22.89	22.82	24.0	0.0	
Channel									
20	QPSK	1	1	22.87	22.84	22.82	24.0	0.0	

PC3 Part270 n77 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Middle Ch. 2 (Freq.)	Power High Ch. 3 (Freq.)	Turn-up time (dBm)	MPR (dB)	
Channel									
100	PI4-BPSK	1	1	22.86	22.95	22.95			
Frequency (MHz)									
100	PI4-BPSK	1	137	22.82	22.83	22.79	24.0	0.0	
Channel									
100	PI4-BPSK	1	271	22.81	22.82	22.87			
Frequency (MHz)									
100	PI4-BPSK	136	0	22.22	22.44	22.20	23.0	0.0	
Channel									
100	PI4-BPSK	136	136	22.24	22.18	22.17	23.0	0.0	
Frequency (MHz)									
100	PI4-BPSK	270	0	22.17	22.28	22.16			
Channel									
100	QPSK	1	1	22.92	22.99	22.98	24.0	0.0	
Frequency (MHz)									
100	QPSK	136	0	21.78	21.80	21.78	23.0	1.0	
Channel									
100	QPSK	136	136	21.85	21.85	21.85	23.0	1.0	
Frequency (MHz)									
100	QPSK	270	0	21.82	21.80	21.82			
Channel									
100	MSK4M	1	1	21.85	21.87	21.85	23.0	1.0	
Frequency (MHz)									
100	MSK4M	1	1	20.52	20.30	20.29	21.0	2.0	
Frequency (MHz)									
100	MSK4M	1	1	18.34	18.30	18.34	18.0	4.0	
Channel									
50	QPSK	1	1	22.86	22.87	22.84	24.0	0.0	
Frequency (MHz)									
50	QPSK	1	1	22.86	22.87	22.85	24.0	0.0	
Channel									
80	QPSK	1	1	22.89	22.84	22.83	24.0	0.0	
Channel									
70	QPSK	1	1	22.88	22.83	22.85	24.0	0.0	
Channel									
60	QPSK	1	1	22.92	22.91	22.92	24.0	0.0	
Channel									
50	QPSK	1	1	22.92	22.81	22.82	24.0	0.0	
Channel									
40	QPSK	1	1	22.83	22.86	22.84	24.0	0.0	
Channel									
30	QPSK	1	1	22.83	22.89	22.82	24.0	0.0	
Channel									
20	QPSK	1	1	22.87	22.84	22.82	24.0	0.0	







n5 Ant1 DS1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				16800	16700	16700		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.70	23.72	23.70		
20	PI/2 BPSK	1	53	23.84	23.81	23.79	24.5	0.0
20	PI/2 BPSK	1	104	23.43	23.55	23.61		
20	PI/2 BPSK	50	0	23.75	23.92	23.65	24.5	0.0
20	PI/2 BPSK	50	28	23.70	23.70	23.77	24.5	0.0
20	PI/2 BPSK	50	56	23.84	23.97	23.82	24.5	0.0
20	PI/2 BPSK	100	0	23.81	24.06	23.69		
20	QPSK	1	1	23.80	23.84	23.80		
20	QPSK	1	53	23.49	23.65	23.55	24.5	0.0
20	QPSK	1	104	23.66	23.84	23.88		
20	QPSK	50	0	23.18	23.26	23.15	24.0	0.5
20	QPSK	50	28	23.82	23.83	23.75	24.5	0.0
20	QPSK	50	56	23.30	23.48	23.41		
20	QPSK	100	0	23.21	23.47	23.37	24.0	0.5
20	16QAM	1	1	23.41	23.70	23.36	24.0	0.5
20	64QAM	1	1	22.06	22.18	21.89	22.5	2.0
20	256QAM	1	1	20.24	20.51	20.10	20.5	4.0
Channel				16800	16700	16700	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	24.27	24.22	24.24	24.5	0.0
Channel				16800	16700	16800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	24.20	24.27	24.32	24.5	0.0
Channel				16800	16700	16700	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	24.21	24.30	24.20	24.5	0.0



n7 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	24.26	24.42	24.39		
40	PI/2 BPSK	1	108	24.36	24.39	24.35	25.0	0.0
40	PI/2 BPSK	1	214	23.21	23.35	23.23		
40	PI/2 BPSK	108	0	23.80	23.91	23.89	24.5	0.5
40	PI/2 BPSK	108	54	24.27	24.34	24.18	25.0	0.0
40	PI/2 BPSK	108	108	23.81	23.93	23.80		
40	PI/2 BPSK	216	0	23.74	23.88	23.82	24.5	0.5
40	QPSK	1	1	24.34	24.47	24.40		
40	QPSK	1	108	23.32	23.38	23.29	25.0	0.0
40	QPSK	1	214	24.18	24.33	24.19		
40	QPSK	108	0	23.32	23.41	23.29	24.0	1.0
40	QPSK	108	54	24.40	24.42	24.29	25.0	0.0
40	QPSK	108	108	23.34	23.40	23.23		
40	QPSK	216	0	23.29	23.43	23.29	24.0	1.0
40	16QAM	1	1	23.35	23.41	23.33	24.0	1.0
40	64QAM	1	1	21.39	21.56	21.53	22.5	2.5
40	256QAM	1	1	19.69	19.71	19.57	20.5	4.5
Channel				505000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	24.28	24.32	24.27	25.0	0.0
Channel				505000	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	24.20	24.41	24.34	25.0	0.0
Channel				505000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	24.23	24.35	24.28	25.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	24.31	24.37	24.27	25.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	24.30	24.31	24.33	25.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	24.27	24.39	24.23	25.0	0.0

n66 Ant3 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.19	24.35	24.22		
40	PI/2 BPSK	1	108	24.37	24.33	24.34	25.0	0.0
40	PI/2 BPSK	1	214	24.18	24.36	24.31		
40	PI/2 BPSK	108	0	23.75	23.91	23.80	24.5	0.5
40	PI/2 BPSK	108	54	24.22	24.39	24.32	25.0	0.0
40	PI/2 BPSK	108	108	24.03	24.02	23.84		
40	PI/2 BPSK	216	0	23.81	23.83	23.78	24.5	0.5
40	QPSK	1	1	24.39	24.45	24.40		
40	QPSK	1	108	24.37	24.30	24.30	25.0	0.0
40	QPSK	1	214	24.43	24.31	24.41		
40	QPSK	108	0	23.41	23.49	23.26	24.0	1.0
40	QPSK	108	54	24.37	24.40	24.32	25.0	0.0
40	QPSK	108	108	23.32	23.41	23.39		
40	QPSK	216	0	23.41	23.43	23.35	24.0	1.0
40	16QAM	1	1	23.46	23.45	23.23	24.0	1.0
40	64QAM	1	1	21.66	21.78	21.69	22.5	2.5
40	256QAM	1	1	19.63	19.72	19.73	20.5	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	24.31	24.33	24.25	25.0	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	24.36	24.30	24.25	25.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	24.34	24.42	24.30	25.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	24.32	24.27	24.37	25.0	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	24.21	24.41	24.25	25.0	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				516004	519000	519996			
Frequency (MHz)				2590.02	2696	2698.98			
40	PI/2 BPSK	1	1	24.42	24.45	24.36			
40	PI/2 BPSK	1	53	24.28	24.38	24.32	25.0	0.0	
40	PI/2 BPSK	1	104	24.27	24.30	24.25			
40	PI/2 BPSK	50	0	23.82	23.89	23.81	24.5	0.5	
40	PI/2 BPSK	50	26	24.29	24.38	24.27	25.0	0.0	
40	PI/2 BPSK	50	56	23.82	23.81	23.80	24.5	0.5	
40	PI/2 BPSK	100	0	23.79	23.89	23.78			
40	QPSK	1	1	23.39	24.47	24.36			
40	QPSK	1	53	24.28	24.41	24.26	25.0	0.0	
40	QPSK	1	104	24.15	24.25	24.19			
40	QPSK	50	0	23.25	23.41	23.39	24.0	1.0	
40	QPSK	50	26	24.17	24.35	24.30	25.0	0.0	
40	QPSK	50	56	23.20	23.31	23.20			
40	QPSK	100	0	23.31	23.35	23.22	24.0	1.0	
40	16QAM	1	1	23.15	23.32	23.25	24.0	1.0	
40	64QAM	1	1	21.63	21.73	21.70	22.5	2.5	
40	256QAM	1	1	19.38	19.45	19.37	20.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2596	2604.99			
30	QPSK	1	1	23.25	24.39	24.25	25.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2596	2610			
20	QPSK	1	1	23.30	24.33	24.20	25.0	0.0	
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2596	2612.49			
15	QPSK	1	1	23.33	24.36	24.27	25.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2596	2614.98			
10	QPSK	1	1	23.26	24.46	24.23	25.0	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				500202	516598	538000			
Frequency (MHz)				2646.01	2692.99	2740			
100	PI/2 BPSK	1	1	24.25	24.30	24.26			
100	PI/2 BPSK	1	137	24.07	24.21	24.23	25.0	0.0	
100	PI/2 BPSK	1	271	24.36	24.24	24.30			
100	PI/2 BPSK	135	0	23.72	23.85	23.70	24.5	0.5	
100	PI/2 BPSK	135	69	24.29	24.30	24.35	25.0	0.0	
100	PI/2 BPSK	135	138	23.76	23.79	23.70	24.5	0.5	
100	PI/2 BPSK	270	0	23.72	23.74	23.75			
100	QPSK	1	1	24.29	24.39	24.35			
100	QPSK	1	137	24.30	24.31	24.24	25.0	0.0	
100	QPSK	1	271	24.31	24.37	24.23			
100	QPSK	135	0	23.30	23.38	23.27	24.0	1.0	
100	QPSK	135	69	24.16	24.23	24.19	25.0	0.0	
100	QPSK	135	138	23.20	23.37	23.31	24.0	1.0	
100	QPSK	270	0	23.19	23.31	23.22			
100	16QAM	1	1	23.10	23.12	22.98	24.0	1.0	
100	64QAM	1	1	21.45	21.67	21.61	22.5	2.5	
100	256QAM	1	1	19.76	19.74	19.62	20.5	4.5	
Channel				506200	518598	539996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2692.99	2844.98			
90	QPSK	1	1	24.26	24.36	24.21	25.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2692.99	2649.99			
80	QPSK	1	1	24.22	24.25	24.25	25.0	0.0	
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2692.99	2655			
70	QPSK	1	1	24.20	24.32	24.30	25.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2692.99	2659.98			
60	QPSK	1	1	24.16	24.34	24.26	25.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2692.99	2664.98			
50	QPSK	1	1	24.24	24.22	24.20	25.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2692.99	2670			
40	QPSK	1	1	24.19	24.25	24.29	25.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2692.99	2673.98			
30	QPSK	1	1	24.24	24.30	24.27	25.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2692.99	2679.99			
20	QPSK	1	1	24.19	24.32	24.18	25.0	0.0	



n7 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	Pi/2 BPSK	1	1	18.92	18.99	19.00			
40	Pi/2 BPSK	1	108	19.01	19.00	18.98	19.5	0.0	
40	Pi/2 BPSK	1	214	18.97	18.94	18.95			
40	Pi/2 BPSK	108	0	18.94	18.85	19.01	19.5	0.0	
40	Pi/2 BPSK	108	54	18.96	19.00	18.94	19.5	0.0	
40	Pi/2 BPSK	108	108	18.85	18.84	18.81	19.5	0.0	
40	Pi/2 BPSK	216	0	18.93	18.95	18.88			
40	QPSK	1	1	19.00	19.02	18.96			
40	QPSK	1	108	18.91	18.99	18.94	19.5	0.0	
40	QPSK	1	214	18.89	18.93	18.90			
40	QPSK	108	0	18.93	18.86	19.00	19.5	0.0	
40	QPSK	108	54	18.96	18.99	18.91	19.5	0.0	
40	QPSK	108	108	18.81	18.88	18.83			
40	QPSK	216	0	18.83	18.90	18.85	19.5	0.0	
40	16QAM	1	1	18.82	18.88	18.90	19.5	0.0	
40	64QAM	1	1	18.83	18.92	18.99	19.5	0.0	
40	256QAM	1	1	18.24	18.24	18.15	19.0	0.5	
Channel				505000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	18.90	18.91	18.83	19.5	0.0	
Channel				505000	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	18.91	18.86	18.83	19.5	0.0	
Channel				505000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	18.89	18.99	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	18.87	18.98	18.92	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	18.95	18.93	18.86	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	18.84	18.96	18.88	19.5	0.0	

n66 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	348000	350000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	22.74	22.85	22.80			
40	Pi/2 BPSK	1	108	22.72	22.81	22.77	23.5	0.0	
40	Pi/2 BPSK	1	214	22.69	22.78	22.63			
40	Pi/2 BPSK	108	0	21.90	21.99	21.99	23.0	0.5	
40	Pi/2 BPSK	108	54	22.71	22.79	22.76	23.5	0.0	
40	Pi/2 BPSK	108	108	22.07	22.26	22.23	23.0	0.5	
40	Pi/2 BPSK	216	0	22.05	22.25	22.10			
40	QPSK	1	1	22.74	22.88	22.87			
40	QPSK	1	108	22.78	22.86	22.65	23.5	0.0	
40	QPSK	1	214	22.75	22.81	22.72			
40	QPSK	108	0	21.42	21.55	21.43	22.5	1.0	
40	QPSK	108	54	22.55	22.74	22.70	23.5	0.0	
40	QPSK	108	108	21.74	21.83	21.75			
40	QPSK	216	0	21.65	21.89	21.53	22.5	1.0	
40	16QAM	1	1	21.39	21.47	21.51	22.5	1.0	
40	64QAM	1	1	18.47	18.63	18.50	21.0	2.5	
40	256QAM	1	1	17.60	17.68	17.42	19.0	4.5	
Channel				345000	348000	350000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	22.67	22.85	22.79	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	22.70	22.71	22.78	23.5	0.0	
Channel				343500	348000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	22.68	22.82	22.75	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	22.67	22.81	22.85	23.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	22.57	22.72	22.69	23.5	0.0	



n38 Ant4 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518304	519000	519696		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.99	19.06	18.96		
40	PI/2 BPSK	1	53	18.96	19.10	18.98	20.0	0.0
40	PI/2 BPSK	1	104	19.06	19.17	19.11		
40	PI/2 BPSK	50	0	19.01	19.16	19.09	20.0	0.0
40	PI/2 BPSK	50	23	18.99	19.08	18.99	20.0	0.0
40	PI/2 BPSK	50	56	19.07	19.09	18.94	20.0	0.0
40	PI/2 BPSK	100	0	19.10	19.13	19.07		
40	QPSK	1	1	19.23	19.26	19.15		
40	QPSK	1	53	19.01	19.09	18.94	20.0	0.0
40	QPSK	1	104	19.03	19.12	19.06		
40	QPSK	50	0	18.97	19.15	19.01	20.0	0.0
40	QPSK	50	28	19.09	19.21	19.18	20.0	0.0
40	QPSK	50	56	18.99	19.10	19.04	20.0	0.0
40	QPSK	100	0	19.05	19.13	19.04		
40	16QAM	1	1	18.93	19.07	18.04	20.0	0.0
40	64QAM	1	1	18.87	19.03	18.99	20.0	0.0
40	256QAM	1	1	17.74	17.83	17.77	19.0	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.18	19.21	19.12	20.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.11	19.14	19.10	20.0	0.0
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.11	19.16	19.03	20.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.12	19.09	19.06	20.0	0.0

n41 Ant4 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502002	516598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.92	18.97	18.87		
100	PI/2 BPSK	1	137	19.01	19.07	18.88	20.0	0.0
100	PI/2 BPSK	1	271	18.91	19.02	18.78		
100	PI/2 BPSK	135	0	18.85	18.94	18.73	20.0	0.0
100	PI/2 BPSK	135	69	18.92	19.01	18.89	20.0	0.0
100	PI/2 BPSK	135	138	18.89	19.00	18.71	20.0	0.0
100	PI/2 BPSK	270	0	18.96	18.95	18.68		
100	QPSK	1	1	19.04	19.08	18.83		
100	QPSK	1	137	18.95	19.04	18.77	20.0	0.0
100	QPSK	1	271	18.90	18.92	18.68		
100	QPSK	135	0	18.98	19.02	18.77	20.0	0.0
100	QPSK	135	69	18.92	19.03	18.71	20.0	0.0
100	QPSK	135	138	18.93	18.95	18.79	20.0	0.0
100	QPSK	270	0	18.90	19.01	18.85		
100	16QAM	1	1	18.92	19.03	18.79	20.0	0.0
100	64QAM	1	1	18.94	18.96	18.78	20.0	0.0
100	256QAM	1	1	17.65	17.73	17.61	19.0	1.0
Channel				502000	516598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.88	18.99	18.89	20.0	0.0
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.96	19.01	18.84	20.0	0.0
Channel				505002	516598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.99	19.01	18.90	20.0	0.0
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2528	2592.99	2659.98		
60	QPSK	1	1	18.97	18.93	18.82	20.0	0.0
Channel				504204	516598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.93	18.93	18.81	20.0	0.0
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.98	18.98	18.90	20.0	0.0
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.88	19.01	18.87	20.0	0.0
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.86	18.97	18.89	20.0	0.0



n7 Ant5 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	Pi/2 BPSK	1	1	17.83	17.86	17.70			
40	Pi/2 BPSK	1	108	17.75	17.73	17.81	18.5	0.0	
40	Pi/2 BPSK	1	214	17.82	17.71	17.83			
40	Pi/2 BPSK	108	0	17.73	17.62	17.72	18.5	0.0	
40	Pi/2 BPSK	108	54	17.86	17.70	17.80	18.5	0.0	
40	Pi/2 BPSK	108	108	17.87	17.75	17.70	18.5	0.0	
40	Pi/2 BPSK	216	0	17.77	17.79	17.75			
40	QPSK	1	1	17.85	17.87	17.73			
40	QPSK	1	108	17.81	17.83	17.80	18.5	0.0	
40	QPSK	1	214	17.80	17.61	17.75			
40	QPSK	108	0	17.71	17.68	17.85	18.5	0.0	
40	QPSK	108	54	17.71	17.61	17.74	18.5	0.0	
40	QPSK	108	108	17.76	17.68	17.66	18.5	0.0	
40	QPSK	216	0	17.69	17.79	17.75			
40	16QAM	1	1	17.73	17.66	17.70	18.5	0.0	
40	64QAM	1	1	17.58	17.55	17.79	18.5	0.0	
40	256QAM	1	1	17.55	17.72	17.64	18.5	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	17.74	17.84	17.57	18.5	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	17.72	17.77	17.58	18.5	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	17.82	17.69	17.57	18.5	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	17.80	17.72	17.63	18.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	17.75	17.75	17.55	18.5	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	17.82	17.76	17.64	18.5	0.0	

n66 Ant5 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	17.76	17.94	17.94			
40	Pi/2 BPSK	1	108	17.81	17.87	17.74	18.5	0.0	
40	Pi/2 BPSK	1	214	17.68	17.71	17.79			
40	Pi/2 BPSK	108	0	17.75	17.92	17.91	18.5	0.0	
40	Pi/2 BPSK	108	54	17.59	17.76	17.83	18.5	0.0	
40	Pi/2 BPSK	108	108	17.69	17.74	17.96	18.5	0.0	
40	Pi/2 BPSK	216	0	17.70	17.71	17.86			
40	QPSK	1	1	17.90	17.98	17.78			
40	QPSK	1	108	17.81	17.86	17.94	18.5	0.0	
40	QPSK	1	214	17.77	17.72	17.86			
40	QPSK	108	0	17.70	17.88	17.88	18.5	0.0	
40	QPSK	108	54	17.81	17.94	17.85	18.5	0.0	
40	QPSK	108	108	17.77	17.74	17.87	18.5	0.0	
40	QPSK	216	0	17.81	17.89	17.79			
40	16QAM	1	1	17.43	17.69	17.69	18.5	0.0	
40	64QAM	1	1	17.42	17.47	17.67	18.5	0.0	
40	256QAM	1	1	17.31	17.18	17.23	18.5	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	17.71	17.75	17.62	18.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	17.74	17.75	17.69	18.5	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	17.73	17.77	17.63	18.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	17.79	17.72	17.64	18.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	17.79	17.81	17.65	18.5	0.0	



n38 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	519000	519996			
Frequency (MHz)				2590.02	2596	2599.98			
40	Pi/2 BPSK	1	1	17.45	17.47	17.51			
40	Pi/2 BPSK	1	53	17.46	17.43	17.42	18.0	0.0	
40	Pi/2 BPSK	1	104	17.55	17.39	17.58			
40	Pi/2 BPSK	50	0	17.35	17.37	17.51	18.0	0.0	
40	Pi/2 BPSK	50	26	17.49	17.36	17.35	18.0	0.0	
40	Pi/2 BPSK	50	56	17.26	17.37	17.37	18.0	0.0	
40	Pi/2 BPSK	100	0	17.52	17.42	17.39			
40	QPSK	1	1	17.55	17.61	17.43			
40	QPSK	1	53	17.41	17.55	17.42	18.0	0.0	
40	QPSK	1	104	17.22	17.32	17.54			
40	QPSK	50	0	17.24	17.51	17.54	18.0	0.0	
40	QPSK	50	26	17.47	17.55	17.43	18.0	0.0	
40	QPSK	50	56	17.44	17.41	17.37			
40	QPSK	100	0	17.36	17.46	17.41	18.0	0.0	
40	16QAM	1	1	17.40	17.39	17.33	18.0	0.0	
40	64QAM	1	1	17.29	17.29	17.40	18.0	0.0	
40	256QAM	1	1	17.19	17.33	17.39	18.0	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2596	2604.99			
30	QPSK	1	1	17.53	17.54	17.39	18.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2596	2610			
20	QPSK	1	1	17.51	17.52	17.37	18.0	0.0	
Channel				515002	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2596	2612.49			
15	QPSK	1	1	17.51	17.51	17.39	18.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2596	2614.98			
10	QPSK	1	1	17.51	17.47	17.37	18.0	0.0	

n41 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	516598	538000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi/2 BPSK	1	1	17.43	17.49	17.51			
100	Pi/2 BPSK	1	137	17.35	17.55	17.54	18.0	0.0	
100	Pi/2 BPSK	1	271	17.52	17.46	17.48			
100	Pi/2 BPSK	135	0	17.36	17.34	17.47	18.0	0.0	
100	Pi/2 BPSK	135	69	17.39	17.33	17.33	18.0	0.0	
100	Pi/2 BPSK	135	138	17.30	17.39	17.22	18.0	0.0	
100	Pi/2 BPSK	270	0	17.46	17.49	17.38			
100	QPSK	1	1	17.47	17.57	17.55			
100	QPSK	1	137	17.41	17.48	17.43	18.0	0.0	
100	QPSK	1	271	17.21	17.36	17.35			
100	QPSK	135	0	17.29	17.32	17.47	18.0	0.0	
100	QPSK	135	69	17.46	17.55	17.45	18.0	0.0	
100	QPSK	135	138	17.31	17.36	17.29	18.0	0.0	
100	QPSK	270	0	17.40	17.48	17.44			
100	16QAM	1	1	17.35	17.33	17.49	18.0	0.0	
100	64QAM	1	1	17.23	17.27	17.48	18.0	0.0	
100	256QAM	1	1	17.20	17.45	17.35	18.0	0.0	
Channel				508200	516598	538996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.32	17.43	17.46	18.0	0.0	
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.37	17.53	17.44	18.0	0.0	
Channel				506202	516598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	17.44	17.50	17.43	18.0	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.41	17.40	17.42	18.0	0.0	
Channel				504204	516598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.40	17.42	17.51	18.0	0.0	
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.42	17.44	17.43	18.0	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.31	17.41	17.42	18.0	0.0	
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.44	17.48	17.45	18.0	0.0	





**PC3 Part270 n77 Ant9 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)								
100	PI2 BPSK	1	1	15.11	15.11	15.11		
100	PI2 BPSK	1	137	14.94	15.03	15.04	15.5	0.0
100	PI2 BPSK	1	271	14.98	15.04	15.10		
100	PI2 BPSK	135	0	15.09	14.92	14.94	15.5	0.0
100	PI2 BPSK	135	69	14.96	15.01	14.86	15.5	0.0
100	PI2 BPSK	135	138	14.99	14.97	15.05	15.5	0.0
100	PI2 BPSK	270	0	15.06	15.15	14.97		
100	QPSK	1	1	15.11	15.17	15.12		
100	QPSK	1	137	15.04	15.06	15.06	15.5	0.0
100	QPSK	1	271	14.89	14.90	14.84		
100	QPSK	135	0	14.89	15.05	15.08	15.5	0.0
100	QPSK	135	69	15.06	15.15	15.10	15.5	0.0
100	QPSK	135	138	15.04	15.06	15.01	15.5	0.0
100	QPSK	270	0	15.03	15.10	14.86		
100	16QAM	1	1	15.04	15.06	14.98	15.5	0.0
100	16QAM	1	1	15.09	15.12	15.09	15.5	0.0
100	256QAM	1	1	15.04	15.10	15.03	15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.98	15.06	14.98	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.01	15.03	14.98	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.05	15.11	14.97	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.05	15.10	15.09	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.08	15.01	15.08	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.93	15.00	15.10	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.02	15.10	15.09	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.08	15.09	15.08	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.06	15.14	15.08	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.95	15.05	15.05	15.5	0.0

**PC3 Part27Q n77 Ant9 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)								
100	PI2 BPSK	1	1		15.14			
100	PI2 BPSK	1	137		15.02		15.5	0.0
100	PI2 BPSK	1	271		15.08			
100	PI2 BPSK	135	0		14.91		15.5	0.0
100	PI2 BPSK	135	69		15.06		15.5	0.0
100	PI2 BPSK	135	138		14.76		15.5	0.0
100	PI2 BPSK	270	0		15.14			
100	QPSK	1	1		15.20			
100	QPSK	1	137		15.11		15.5	0.0
100	QPSK	1	271		14.93			
100	QPSK	135	0		15.05		15.5	0.0
100	QPSK	135	69		15.14		15.5	0.0
100	QPSK	135	138		14.83		15.5	0.0
100	QPSK	270	0		15.01			
100	16QAM	1	1		14.88		15.5	0.0
100	16QAM	1	1		14.95		15.5	0.0
100	256QAM	1	1		14.84		15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.16	15.09	15.18	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.14	15.12	15.02	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.09	15.09	15.13	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.10	15.16	15.08	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.03	15.04	15.10	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.07	15.07	15.08	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.03	15.06	15.04	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.05	15.03	15.07	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.04	15.14	15.15	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.03	15.17	15.11	15.5	0.0

**PC3 Part270 n78 Ant9 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)								
100	PI2 BPSK	1	1		15.54			
100	PI2 BPSK	1	137		15.65		17.5	0.0
100	PI2 BPSK	1	271		15.57			
100	PI2 BPSK	135	0		15.60		17.5	0.0
100	PI2 BPSK	135	69		15.66		17.5	0.0
100	PI2 BPSK	135	138		15.51		17.5	0.0
100	PI2 BPSK	270	0		15.63			
100	QPSK	1	1		15.67			
100	QPSK	1	137		15.61		17.5	0.0
100	QPSK	1	271		15.52			
100	QPSK	135	0		15.59		17.5	0.0
100	QPSK	135	69		15.61		17.5	0.0
100	QPSK	135	138		15.54		17.5	0.0
100	QPSK	270	0		15.55			
100	16QAM	1	1		15.51		17.5	0.0
100	16QAM	1	1		15.53		17.5	0.0
100	256QAM	1	1		15.52		17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.62	15.54	15.61	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.59	15.59	15.62	17.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.58	15.62	15.63	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.60	15.64	15.58	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.58	15.64	15.55	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.51	15.51	15.57	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.61	15.67	15.62	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.56	15.60	15.55	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.56	15.60	15.55	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.51	15.65	15.57	17.5	0.0



### PC2 Part270 n78 Ant9 DSI1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.67	18.67	18.67		
100	Pi2 BPSK	1	137	18.57	18.57	18.57	20.5	0.0
100	Pi2 BPSK	1	271	18.62	18.62	18.62		
100	Pi2 BPSK	135	0	18.61	18.61	18.61	20.5	0.0
100	Pi2 BPSK	135	69	18.66	18.66	18.66	20.5	0.0
100	Pi2 BPSK	135	138	18.58	18.58	18.58	20.5	0.0
100	Pi2 BPSK	270	0	18.62	18.62	18.62	20.5	0.0
100	QPSK	1	1	18.74	18.74	18.74	20.5	0.0
100	QPSK	1	137	18.66	18.66	18.66		
100	QPSK	1	271	18.66	18.66	18.66		
100	QPSK	135	0	18.61	18.61	18.61	20.5	0.0
100	QPSK	135	69	18.70	18.70	18.70	20.5	0.0
100	QPSK	135	138	18.66	18.66	18.66	20.5	0.0
100	QPSK	270	0	18.66	18.66	18.66	20.5	0.0
100	16QAM	1	1	18.66	18.66	18.66	20.5	0.0
100	16QAM	1	1	18.67	18.67	18.67	20.5	0.0
100	256QAM	1	1	18.62	18.62	18.62	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649663	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3745.02	3750	3765.01	20.5	0.0
90	QPSK	1	1	18.65	18.53	18.63	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	646334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3740.01	3750	3760.00	20.5	0.0
80	QPSK	1	1	18.57	18.60	18.54	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	646000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3735	3750	3765	20.5	0.0
70	QPSK	1	1	18.54	18.61	18.54	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	645668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3730.02	3750	3770.01	20.5	0.0
60	QPSK	1	1	18.54	18.51	18.56	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	645334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3725.01	3750	3775.02	20.5	0.0
50	QPSK	1	1	18.56	18.61	18.54	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	645000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3720	3750	3780	20.5	0.0
40	QPSK	1	1	18.60	18.54	18.53	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3715.02	3750	3785.01	20.5	0.0
30	QPSK	1	1	18.58	18.47	18.51	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3710.01	3750	3790.02	20.5	0.0
20	QPSK	1	1	18.54	18.56	18.57	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3705	3750	3795	20.5	0.0
15	QPSK	1	1	18.56	18.52	18.51	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3705	3750	3795	20.5	0.0
10	QPSK	1	1	18.56	18.52	18.56	20.5	0.0

### PC3 Part27Q n78 Ant9 DSI1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 653334	Power Middle Ch. / Freq. 653334	Power High Ch. / Freq. 653334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	15.61	15.55	15.55		
100	Pi2 BPSK	1	137	15.57	15.55	15.55	17.5	0.0
100	Pi2 BPSK	1	271	15.60	15.60	15.60		
100	Pi2 BPSK	135	0	15.58	15.58	15.58	17.5	0.0
100	Pi2 BPSK	135	69	15.54	15.54	15.54	17.5	0.0
100	Pi2 BPSK	135	138	15.51	15.51	15.51	17.5	0.0
100	Pi2 BPSK	270	0	15.53	15.53	15.53	17.5	0.0
100	QPSK	1	1	15.63	15.63	15.63	17.5	0.0
100	QPSK	1	137	15.58	15.58	15.58		
100	QPSK	1	271	15.52	15.52	15.52		
100	QPSK	135	0	15.54	15.54	15.54	17.5	0.0
100	QPSK	135	69	15.59	15.59	15.59	17.5	0.0
100	QPSK	135	138	15.51	15.51	15.51	17.5	0.0
100	QPSK	270	0	15.54	15.54	15.54	17.5	0.0
100	16QAM	1	1	15.53	15.53	15.53	17.5	0.0
100	16QAM	1	1	15.60	15.60	15.60	17.5	0.0
100	256QAM	1	1	15.62	15.62	15.62	17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	20.5	0.0
90	QPSK	1	1	15.56	15.51	15.54	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3490.00	3500.01	3510.01	20.5	0.0
80	QPSK	1	1	15.58	15.61	15.56	17.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3485.01	3500.01	3515.01	20.5	0.0
70	QPSK	1	1	15.57	15.57	15.57	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3480	3500.01	3520.02	20.5	0.0
60	QPSK	1	1	15.56	15.57	15.56	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3475.02	3500.01	3525.02	20.5	0.0
50	QPSK	1	1	15.51	15.56	15.56	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3470.01	3500.01	3530.01	20.5	0.0
40	QPSK	1	1	15.52	15.57	15.60	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02	20.5	0.0
30	QPSK	1	1	15.61	15.63	15.54	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	3460.02	3500.01	3540	20.5	0.0
20	QPSK	1	1	15.51	15.51	15.55	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	3455.01	3500.01	3545.01	20.5	0.0
15	QPSK	1	1	15.58	15.59	15.53	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	3450	3500.01	3545.01	20.5	0.0
10	QPSK	1	1	15.54	15.51	15.51	17.5	0.0

### PC2 Part27Q n78 Ant9 DSI1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633334	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.56	18.56	18.56		
100	Pi2 BPSK	1	137	18.51	18.51	18.51	20.5	0.0
100	Pi2 BPSK	1	271	18.54	18.54	18.54		
100	Pi2 BPSK	135	0	18.52	18.52	18.52	20.5	0.0
100	Pi2 BPSK	135	69	18.52	18.52	18.52	20.5	0.0
100	Pi2 BPSK	135	138	18.56	18.56	18.56	20.5	0.0
100	Pi2 BPSK	270	0	18.60	18.60	18.60	20.5	0.0
100	QPSK	1	1	18.69	18.69	18.69	20.5	0.0
100	QPSK	1	137	18.66	18.66	18.66		
100	QPSK	1	271	18.53	18.53	18.53		
100	QPSK	135	0	18.56	18.56	18.56	20.5	0.0
100	QPSK	135	69	18.61	18.61	18.61	20.5	0.0
100	QPSK	135	138	18.53	18.53	18.53	20.5	0.0
100	QPSK	270	0	18.53	18.53	18.53	20.5	0.0
100	16QAM	1	1	18.55	18.55	18.55	20.5	0.0
100	16QAM	1	1	18.54	18.54	18.54	20.5	0.0
100	256QAM	1	1	18.62	18.62	18.62	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	3495	3500.01	3505.02	20.5	0.0
90	QPSK	1	1	18.59	18.57	18.59	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	3490.00	3500.01	3510.01	20.5	0.0
80	QPSK	1	1	18.58	18.56	18.53	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	3485.01	3500.01	3515.01	20.5	0.0
70	QPSK	1	1	18.64	18.57	18.51	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	3480	3500.01	3520.02	20.5	0.0
60	QPSK	1	1	18.60	18.56	18.56	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	3475.02	3500.01	3525.02	20.5	0.0
50	QPSK	1	1	18.64	18.63	18.57	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	3470.01	3500.01	3530.01	20.5	0.0
40	QPSK	1	1	18.66	18.61	18.59	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	3465	3500.01	3535.02	20.5	0.0
30	QPSK	1	1	18.67	18.55	18.60	20.5	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								
Frequency (MHz)								
100	Pi2 BPSK	1	1	24.56	24.63	24.61		
100	Pi2 BPSK	1	137	24.51	24.65	24.59	25.7	0.0
100	Pi2 BPSK	1	271	24.64	24.69	24.68		
100	Pi2 BPSK	135	0	24.20	24.22	24.13	25.2	0.5
100	Pi2 BPSK	135	69	24.53	24.64	24.65	25.7	0.0
100	Pi2 BPSK	135	138	24.13	24.16	24.08	25.2	0.5
100	Pi2 BPSK	270	0	24.10	24.22	24.04		
100	QPSK	1	1	24.82	24.73	24.68		
100	QPSK	1	137	24.52	24.62	24.58	25.7	0.0
100	QPSK	1	271	24.55	24.59	24.54		
100	QPSK	135	0	23.57	23.69	23.65	24.7	1.0
100	QPSK	135	69	24.53	24.67	24.59	25.7	0.0
100	QPSK	135	138	23.58	23.65	23.53	24.7	1.0
100	QPSK	270	0	23.58	23.74	23.65		
100	16QAM	1	1	23.51	23.54	23.50	24.7	1.0
100	16QAM	1	1	22.13	22.07	22.02	23.2	2.5
100	256QAM	1	1	20.10	20.16	20.13	21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.59	24.67	24.58	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.52	24.68	24.58	25.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.52	24.64	24.61	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.58	24.59	24.52	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.54	24.58	24.65	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.57	24.64	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.55	24.66	24.63	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.59	24.70	24.63	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.52	24.69	24.55	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.51	24.58	24.57	25.7	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)								
100	Pi2 BPSK	1	1		25.07			
100	Pi2 BPSK	1	137		25.03		25.7	0.0
100	Pi2 BPSK	1	271		24.98			
100	Pi2 BPSK	135	0		24.41		25.2	0.5
100	Pi2 BPSK	135	69		24.93		25.7	0.0
100	Pi2 BPSK	135	138		24.45		25.2	0.5
100	Pi2 BPSK	270	0		24.40			
100	QPSK	1	1		25.09		25.7	0.0
100	QPSK	1	137		24.94			
100	QPSK	1	271		25.06			
100	QPSK	135	0		23.82		24.7	1.0
100	QPSK	135	69		24.91		25.7	0.0
100	QPSK	135	138		23.87		24.7	1.0
100	QPSK	270	0		23.83			
100	16QAM	1	1		24.04		24.7	1.0
100	16QAM	1	1		22.21		23.2	2.5
100	256QAM	1	1		20.12		21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63334	63368	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3486	3600.01	3605.02	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.00	25.00	24.92	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.98	24.95	24.98	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.02	25.04	24.93	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.91	24.99	25.04	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.98	25.07	24.93	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.03	25.00	25.06	25.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.01	25.01	25.00	25.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.07	24.95	25.02	25.7	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	Pi2 BPSK	1	1		22.73			
100	Pi2 BPSK	1	137		22.81		24.5	0.0
100	Pi2 BPSK	1	271		22.75			
100	Pi2 BPSK	135	0		22.67		24.5	0.0
100	Pi2 BPSK	135	69		22.68		24.5	0.0
100	Pi2 BPSK	135	138		22.77		24.5	0.0
100	Pi2 BPSK	270	0		22.67			
100	QPSK	1	1		22.87			
100	QPSK	1	137		22.72		24.5	0.0
100	QPSK	1	271		22.74			
100	QPSK	135	0		22.61		24.5	0.0
100	QPSK	135	69		22.71		24.5	0.0
100	QPSK	135	138		22.65		24.5	0.0
100	QPSK	270	0		22.69			
100	16QAM	1	1		22.75		24.5	0.0
100	16QAM	1	1		21.20		23.0	1.5
100	256QAM	1	1		19.20		21.0	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64960	65000	65034	Tune-up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.70	22.78	22.80	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.82	22.75	22.78	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.80	22.74	22.81	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.72	22.80	22.71	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.82	22.84	22.81	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.75	22.75	22.82	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.71	22.77	22.84	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.75	22.83	22.81	24.5	0.0





### PC3 Part270 n77 Ant11 DS11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.24	15.24	15.24		
100	PI2 BPSK	1	137	15.11	15.24	15.24	16.2	0.0
100	PI2 BPSK	1	271	15.17	15.24	15.32		
100	PI2 BPSK	135	0	15.12	15.09	15.16	16.2	0.0
100	PI2 BPSK	135	69	15.06	15.28	15.18	16.2	0.0
100	PI2 BPSK	135	138	15.18	15.08	15.11	16.2	0.0
100	PI2 BPSK	270	0	15.18	15.32	15.07		
100	QPSK	1	1	15.29	15.37	15.24		
100	QPSK	1	137	15.25	15.28	15.29	16.2	0.0
100	QPSK	1	271	15.03	15.08	15.17		
100	QPSK	135	0	15.11	15.29	15.28	16.2	0.0
100	QPSK	135	69	15.20	15.33	15.31	16.2	0.0
100	QPSK	135	138	15.06	15.21	15.22	16.2	0.0
100	QPSK	270	0	15.12	15.29	15.23		
100	16QAM	1	1	15.13	15.17	15.17	16.2	0.0
100	16QAM	1	1	15.18	15.22	15.30	16.2	0.0
100	256QAM	1	1	15.20	15.22	15.14	16.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.16	15.24	15.09	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.23	15.33	15.22	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.22	15.34	15.10	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.12	15.26	15.12	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.25	15.30	15.17	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.13	15.29	15.11	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.22	15.10	15.07	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.26	15.31	15.20	16.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.13	15.20	15.08	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.23	15.27	15.20	16.2	0.0

### PC3 Part270 n77 Ant11 DS11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.42	15.42	15.42		
100	PI2 BPSK	1	137	15.36	15.36	15.36	16.2	0.0
100	PI2 BPSK	1	271	15.28	15.28	15.28		
100	PI2 BPSK	135	0	15.23	15.23	15.23	16.2	0.0
100	PI2 BPSK	135	69	15.36	15.36	15.36	16.2	0.0
100	PI2 BPSK	135	138	15.12	15.12	15.12	16.2	0.0
100	PI2 BPSK	270	0	15.39	15.39	15.39		
100	QPSK	1	1	15.47	15.47	15.47		
100	QPSK	1	137	15.41	15.41	15.41	16.2	0.0
100	QPSK	1	271	15.20	15.20	15.20		
100	QPSK	135	0	15.42	15.42	15.42	16.2	0.0
100	QPSK	135	69	15.45	15.45	15.45	16.2	0.0
100	QPSK	135	138	15.31	15.31	15.31	16.2	0.0
100	QPSK	270	0	15.39	15.39	15.39		
100	16QAM	1	1	15.20	15.20	15.20	16.2	0.0
100	16QAM	1	1	15.44	15.44	15.44	16.2	0.0
100	256QAM	1	1	15.44	15.44	15.44	16.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.32	15.38	15.44	16.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.45	15.33	15.37	16.2	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.29	15.29	15.32	16.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.30	15.36	15.35	16.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.44	15.38	15.45	16.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.35	15.41	15.43	16.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.40	15.44	15.40	16.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.32	15.38	15.31	16.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.47	15.44	15.42	16.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.40	15.39	15.37	16.2	0.0

### PC3 Part270 n78 Ant11 DS11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.18	15.18	15.18		
100	PI2 BPSK	1	137	15.18	15.18	15.18	16.5	0.0
100	PI2 BPSK	1	271	15.08	15.08	15.08		
100	PI2 BPSK	135	0	14.98	14.98	14.98	16.5	0.0
100	PI2 BPSK	135	69	15.13	15.13	15.13	16.5	0.0
100	PI2 BPSK	135	138	15.06	15.06	15.06	16.5	0.0
100	PI2 BPSK	270	0	15.18	15.18	15.18		
100	QPSK	1	1	15.21	15.21	15.21		
100	QPSK	1	137	15.17	15.17	15.17	16.5	0.0
100	QPSK	1	271	15.08	15.08	15.08		
100	QPSK	135	0	15.14	15.14	15.14	16.5	0.0
100	QPSK	135	69	15.18	15.18	15.18	16.5	0.0
100	QPSK	135	138	15.11	15.11	15.11	16.5	0.0
100	QPSK	270	0	15.17	15.17	15.17		
100	16QAM	1	1	15.07	15.07	15.07	16.5	0.0
100	16QAM	1	1	15.18	15.18	15.18	16.5	0.0
100	256QAM	1	1	15.18	15.18	15.18	16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.14	15.16	15.17	16.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.18	15.19	15.10	16.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.03	15.04	15.09	16.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.04	15.15	15.05	16.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.18	15.13	15.16	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.12	15.07	15.08	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.11	15.12	15.15	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.07	15.08	15.18	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.14	15.18	15.15	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.03	15.03	15.15	16.5	0.0



### PC2 Part270 n78 Ant11 DS11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.10	18.10	18.10	19.5	0.0
100	Pi2 BPSK	1	137	18.17	18.17	18.17	19.5	0.0
100	Pi2 BPSK	1	271	18.10	18.10	18.10	19.5	0.0
100	Pi2 BPSK	135	0	18.08	18.08	18.08	19.5	0.0
100	Pi2 BPSK	135	69	18.09	18.09	18.09	19.5	0.0
100	Pi2 BPSK	135	138	18.01	18.01	18.01	19.5	0.0
100	Pi2 BPSK	270	0	18.10	18.10	18.10	19.5	0.0
100	QPSK	1	1	18.20	18.20	18.20	19.5	0.0
100	QPSK	1	137	18.22	18.22	18.22	19.5	0.0
100	QPSK	1	271	18.15	18.15	18.15	19.5	0.0
100	QPSK	135	0	18.08	18.08	18.08	19.5	0.0
100	QPSK	135	69	18.25	18.25	18.25	19.5	0.0
100	QPSK	135	138	18.09	18.09	18.09	19.5	0.0
100	QPSK	270	0	18.10	18.10	18.10	19.5	0.0
100	16QAM	1	1	18.08	18.08	18.08	19.5	0.0
100	16QAM	1	1	18.11	18.11	18.11	19.5	0.0
100	256QAM	1	1	18.04	18.04	18.04	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.11	18.10	18.10	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.20	18.15	18.10	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.14	18.10	18.10	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.14	18.20	18.15	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.12	18.11	18.11	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.15	18.13	18.13	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.16	18.17	18.12	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.18	18.15	18.11	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.19	18.16	18.14	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.19	18.16	18.15	19.5	0.0

### PC3 Part270 n78 Ant11 DS11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633334	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	15.87	15.87	15.87	16.5	0.0
100	Pi2 BPSK	1	137	15.82	15.82	15.82	16.5	0.0
100	Pi2 BPSK	1	271	15.82	15.82	15.82	16.5	0.0
100	Pi2 BPSK	135	0	15.88	15.88	15.88	16.5	0.0
100	Pi2 BPSK	135	69	15.86	15.86	15.86	16.5	0.0
100	Pi2 BPSK	135	138	15.47	15.47	15.47	16.5	0.0
100	Pi2 BPSK	270	0	15.48	15.48	15.48	16.5	0.0
100	QPSK	1	1	15.89	15.89	15.89	16.5	0.0
100	QPSK	1	137	15.82	15.82	15.82	16.5	0.0
100	QPSK	1	271	15.82	15.82	15.82	16.5	0.0
100	QPSK	135	0	15.87	15.87	15.87	16.5	0.0
100	QPSK	135	69	15.83	15.83	15.83	16.5	0.0
100	QPSK	135	138	15.53	15.53	15.53	16.5	0.0
100	QPSK	270	0	15.88	15.88	15.88	16.5	0.0
100	16QAM	1	1	15.47	15.47	15.47	16.5	0.0
100	16QAM	1	1	15.50	15.50	15.50	16.5	0.0
100	256QAM	1	1	15.62	15.62	15.62	16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.52	15.67	15.66	16.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.61	15.60	15.55	16.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.50	15.65	15.50	16.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.60	15.61	15.54	16.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.55	15.52	15.65	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.61	15.54	15.61	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.63	15.62	15.53	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.55	15.55	15.54	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.53	15.57	15.60	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.56	15.62	15.62	16.5	0.0

### PC2 Part270 n78 Ant11 DS11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633334	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.61	18.61	18.61	19.5	0.0
100	Pi2 BPSK	1	137	18.62	18.62	18.62	19.5	0.0
100	Pi2 BPSK	1	271	18.50	18.50	18.50	19.5	0.0
100	Pi2 BPSK	135	0	18.61	18.61	18.61	19.5	0.0
100	Pi2 BPSK	135	69	18.62	18.62	18.62	19.5	0.0
100	Pi2 BPSK	135	138	18.54	18.54	18.54	19.5	0.0
100	Pi2 BPSK	270	0	18.59	18.59	18.59	19.5	0.0
100	QPSK	1	1	18.65	18.65	18.65	19.5	0.0
100	QPSK	1	137	18.56	18.56	18.56	19.5	0.0
100	QPSK	1	271	18.57	18.57	18.57	19.5	0.0
100	QPSK	135	0	18.60	18.60	18.60	19.5	0.0
100	QPSK	135	69	18.63	18.63	18.63	19.5	0.0
100	QPSK	135	138	18.59	18.59	18.59	19.5	0.0
100	QPSK	270	0	18.61	18.61	18.61	19.5	0.0
100	16QAM	1	1	18.56	18.56	18.56	19.5	0.0
100	16QAM	1	1	18.59	18.59	18.59	19.5	0.0
100	256QAM	1	1	18.47	18.47	18.47	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.56	18.56	18.52	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.50	18.57	18.50	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.53	18.61	18.60	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.54	18.54	18.52	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.47	18.62	18.52	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.57	18.59	18.59	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.51	18.64	18.59	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.56	18.59	18.55	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.50	18.61	18.54	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.55	18.62	18.61	19.5	0.0



### Reduced Power Mode for DSI 1\_ENDC

n5 Ant1 for ENDC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166000	167300	167600		
Frequency (MHz)				894	836.5	830		
20	PI/2 BPSK	1	1	20.65	20.69	20.52	21.5	0.0
20	PI/2 BPSK	1	53	20.67	20.71	20.57		
20	PI/2 BPSK	1	104	20.18	20.50	20.47		
20	PI/2 BPSK	50	0	20.64	20.66	20.63	21.5	0.0
20	PI/2 BPSK	50	28	20.58	20.66	20.60	21.5	0.0
20	PI/2 BPSK	50	56	20.57	20.73	20.58	21.5	0.0
20	PI/2 BPSK	100	0	20.65	20.54	20.45		
20	QPSK	1	1	20.70	20.75	20.63		
20	QPSK	1	53	20.33	20.49	20.49	21.5	0.0
20	QPSK	1	104	20.45	20.64	20.62		
20	QPSK	50	0	20.43	20.51	20.57		
20	QPSK	50	28	20.64	20.70	20.60	21.5	0.0
20	QPSK	50	56	20.67	20.40	20.64	21.5	0.0
20	QPSK	100	0	20.52	20.54	20.53		
20	16QAM	1	1	20.48	20.41	20.52		
20	64QAM	1	1	20.53	20.53	20.42	21.5	0.0
20	256QAM	1	1	19.89	19.89	19.82	20.5	1.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.61	20.63	20.53	21.5	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.25	20.45	20.39	21.5	0.0
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.27	20.39	20.35	21.5	0.0



### n66 Ant4 for ENDC

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				349000	349000	350000		
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	20.21	20.31	20.13		
40	PI/2 BPSK	1	108	20.11	20.17	20.17	21.0	0.0
40	PI/2 BPSK	1	214	20.17	20.23	20.15		
40	PI/2 BPSK	108	0	19.94	19.87	19.95	21.0	0.0
40	PI/2 BPSK	108	54	20.07	20.15	20.15	21.0	0.0
40	PI/2 BPSK	108	108	20.08	20.11	20.16		
40	PI/2 BPSK	216	0	19.99	20.24	20.12	21.0	0.0
40	QPSK	1	1	20.06	20.39	20.20		
40	QPSK	1	108	20.30	20.26	20.02	21.0	0.0
40	QPSK	1	214	20.16	20.22	20.25		
40	QPSK	108	0	19.82	19.92	19.79	21.0	0.0
40	QPSK	108	54	19.92	20.32	20.13	21.0	0.0
40	QPSK	108	108	20.09	20.20	20.28		
40	QPSK	216	0	20.05	20.30	19.88	21.0	0.0
40	16QAM	1	1	19.79	19.93	19.87	21.0	0.0
40	64QAM	1	1	19.46	19.50	19.36	21.0	0.0
40	256QAM	1	1	17.81	17.71	17.23	19.0	2.0
Channel				343000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.19	20.30	20.30	21.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.12	20.25	20.21	21.0	0.0
Channel				343000	349000	353500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.12	20.20	20.20	21.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.12	20.27	20.35	21.0	0.0
Channel				342500	349000	355000		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.06	20.29	20.29	21.0	0.0





n38 Ant4 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.51	15.77	15.64			
40	PI/2 BPSK	1	53	15.68	15.70	15.80	17.0	0.0	
40	PI/2 BPSK	1	104	15.72	15.75	15.54			
40	PI/2 BPSK	50	0	15.68	15.61	15.45	17.0	0.0	
40	PI/2 BPSK	50	28	15.40	15.78	15.38	17.0	0.0	
40	PI/2 BPSK	50	56	15.65	15.76	15.26			
40	PI/2 BPSK	100	0	15.62	15.86	15.47	17.0	0.0	
40	QPSK	1	1	15.66	15.94	15.57			
40	QPSK	1	53	15.71	15.72	15.34	17.0	0.0	
40	QPSK	1	104	15.48	15.68	15.42			
40	QPSK	50	0	15.59	15.70	15.42	17.0	0.0	
40	QPSK	50	28	15.64	15.73	15.49	17.0	0.0	
40	QPSK	50	56	15.59	15.73	15.42			
40	QPSK	100	0	15.66	15.88	15.64	17.0	0.0	
40	16QAM	1	1	15.66	15.78	15.59	17.0	0.0	
40	64QAM	1	1	15.66	15.63	15.66	17.0	0.0	
40	256QAM	1	1	15.46	15.28	15.02	17.0	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	15.84	15.87	15.82	17.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	15.74	15.93	15.64	17.0	0.0	
Channel				515002	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.77	15.83	15.64	17.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	15.93	15.67	15.88	17.0	0.0	

n41 Ant4 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	516598	528000			
Frequency (MHz)				2646.01	2652.99	2640			
100	PI/2 BPSK	1	1	15.84	16.09	15.87			
100	PI/2 BPSK	1	137	15.94	16.02	15.98	17.0	0.0	
100	PI/2 BPSK	1	271	16.00	15.94	15.76			
100	PI/2 BPSK	135	0	15.95	16.00	15.63	17.0	0.0	
100	PI/2 BPSK	135	69	15.82	16.00	15.80	17.0	0.0	
100	PI/2 BPSK	135	138	16.01	16.07	15.63	17.0	0.0	
100	PI/2 BPSK	270	0	15.95	16.05	15.66			
100	QPSK	1	1	16.03	16.14	15.77			
100	QPSK	1	137	15.94	16.04	15.76	17.0	0.0	
100	QPSK	1	271	15.89	16.01	15.62			
100	QPSK	135	0	15.95	15.88	15.83	17.0	0.0	
100	QPSK	135	69	15.92	15.97	15.77	17.0	0.0	
100	QPSK	135	138	15.88	15.95	15.71	17.0	0.0	
100	QPSK	270	0	15.88	16.00	15.82			
100	16QAM	1	1	15.94	16.05	15.78	17.0	0.0	
100	64QAM	1	1	15.89	16.05	15.86	17.0	0.0	
100	256QAM	1	1	15.73	15.60	15.08	17.0	0.0	
Channel				506000	516598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2641	2652.99	2644.98			
90	QPSK	1	1	15.86	15.91	15.81	17.0	0.0	
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2652.99	2649.99			
80	QPSK	1	1	15.92	16.05	15.78	17.0	0.0	
Channel				506002	516598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2631.01	2652.99	2655			
70	QPSK	1	1	15.98	15.97	15.82	17.0	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2628	2652.99	2659.98			
60	QPSK	1	1	15.99	15.82	15.78	17.0	0.0	
Channel				504204	516598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2652.99	2664.99			
50	QPSK	1	1	15.85	15.82	15.85	17.0	0.0	
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2616.01	2652.99	2670			
40	QPSK	1	1	15.97	16.02	15.88	17.0	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2652.99	2674.98			
30	QPSK	1	1	15.90	15.95	15.99	17.0	0.0	
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2606.02	2652.99	2679.99			
20	QPSK	1	1	15.76	15.90	15.83	17.0	0.0	



n7 Ant5 for ENDC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	14.87	14.95	14.66		
40	PI/2 BPSK	1	108	14.78	14.72	14.84	15.5	0.0
40	PI/2 BPSK	1	214	14.81	14.63	14.80		
40	PI/2 BPSK	108	0	14.82	14.70	14.69	15.5	0.0
40	PI/2 BPSK	108	54	14.75	14.70	14.90	15.5	0.0
40	PI/2 BPSK	108	108	14.86	14.69	14.77		
40	PI/2 BPSK	216	0	14.86	14.71	14.68	15.5	0.0
40	QPSK	1	1	14.92	14.98	14.73		
40	QPSK	1	108	14.85	14.87	14.90	15.5	0.0
40	QPSK	1	214	14.84	14.55	14.82		
40	QPSK	108	0	14.59	14.73	14.94	15.5	0.0
40	QPSK	108	54	14.76	14.81	14.72	15.5	0.0
40	QPSK	108	108	14.68	14.70	14.68		
40	QPSK	216	0	14.65	14.74	14.63	15.5	0.0
40	16QAM	1	1	14.69	14.66	14.62	15.5	0.0
40	64QAM	1	1	14.57	14.63	14.84	15.5	0.0
40	256QAM	1	1	14.49	14.84	14.57	15.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.70	14.75	14.65	15.5	0.0
Channel				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.72	14.67	14.61	15.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	14.91	14.67	14.69	15.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.70	14.71	14.75	15.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.65	14.78	14.45	15.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.71	14.76	14.69	15.5	0.0

n66 Ant5 for ENDC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	15.08	15.16	15.04		
40	PI/2 BPSK	1	108	15.02	15.13	14.86	16.0	0.0
40	PI/2 BPSK	1	214	14.88	14.95	14.91		
40	PI/2 BPSK	108	0	14.88	15.15	15.14	16.0	0.0
40	PI/2 BPSK	108	54	14.75	14.96	15.07	16.0	0.0
40	PI/2 BPSK	108	108	14.76	14.97	15.08	16.0	0.0
40	PI/2 BPSK	216	0	14.83	14.96	15.07		
40	QPSK	1	1	15.18	15.24	14.90		
40	QPSK	1	108	15.06	14.99	15.21	16.0	0.0
40	QPSK	1	214	14.88	14.98	14.99		
40	QPSK	108	0	14.90	15.00	15.02	16.0	0.0
40	QPSK	108	54	15.03	15.13	15.10	16.0	0.0
40	QPSK	108	108	15.08	14.90	15.05		
40	QPSK	216	0	15.02	15.09	14.89	16.0	0.0
40	16QAM	1	1	14.59	14.88	14.84	16.0	0.0
40	64QAM	1	1	14.66	14.74	14.93	16.0	0.0
40	256QAM	1	1	14.63	14.42	14.38	16.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	14.80	15.01	14.76	16.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.05	14.90	14.69	16.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	14.81	14.89	14.75	16.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	14.97	15.01	14.85	16.0	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	14.90	15.08	14.83	16.0	0.0



### PC3 Part270 n78 Ant9 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPR (dB)
Channel								
100	PUSC BPSK	1	1	13.32	13.32	13.32	15.5	0.0
100	PUSC BPSK	1	137	13.46	13.46	13.46	15.5	0.0
100	PUSC BPSK	1	271	13.52	13.52	13.52	15.5	0.0
100	PUSC BPSK	135	0	13.49	13.49	13.49	15.5	0.0
100	PUSC BPSK	135	136	13.41	13.41	13.41	15.5	0.0
100	PUSC BPSK	270	0	13.52	13.52	13.52	15.5	0.0
100	QPSK	1	1	13.32	13.32	13.32	15.5	0.0
100	QPSK	1	137	13.46	13.46	13.46	15.5	0.0
100	QPSK	1	271	13.52	13.52	13.52	15.5	0.0
100	QPSK	135	0	13.38	13.38	13.38	15.5	0.0
100	QPSK	135	136	13.30	13.30	13.30	15.5	0.0
100	QPSK	270	0	13.38	13.38	13.38	15.5	0.0
100	HQAM	1	1	13.29	13.29	13.29	15.5	0.0
100	HQAM	1	1	13.23	13.23	13.23	15.5	0.0
Channel								
80	QPSK	1	1	13.27	13.27	13.27	15.5	0.0
Channel								
80	QPSK	1	1	13.27	13.29	13.31	15.5	0.0
Channel								
70	QPSK	1	1	13.30	13.46	13.37	15.5	0.0
Channel								
70	QPSK	1	1	13.30	13.34	13.34	15.5	0.0
Channel								
60	QPSK	1	1	13.27	13.29	13.31	15.5	0.0
Channel								
60	QPSK	1	1	13.27	13.29	13.31	15.5	0.0
Channel								
50	QPSK	1	1	13.29	13.32	13.35	15.5	0.0
Channel								
40	QPSK	1	1	13.25	13.33	13.27	15.5	0.0
Channel								
30	QPSK	1	1	13.19	13.29	13.15	15.5	0.0
Channel								
20	QPSK	1	1	13.29	13.29	13.29	15.5	0.0
Channel								
15	QPSK	1	1	13.43	13.49	13.32	15.5	0.0
Channel								
10	QPSK	1	1	13.39	13.45	13.28	15.5	0.0

### PC2 Part270 n78 Ant9 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPR (dB)
Channel								
100	PUSC BPSK	1	1	13.53	13.53	13.53	18.5	0.0
100	PUSC BPSK	1	137	13.59	13.59	13.59	18.5	0.0
100	PUSC BPSK	1	271	13.57	13.57	13.57	18.5	0.0
100	PUSC BPSK	135	0	13.53	13.53	13.53	18.5	0.0
100	PUSC BPSK	135	136	13.51	13.51	13.51	18.5	0.0
100	PUSC BPSK	270	0	13.53	13.53	13.53	18.5	0.0
100	QPSK	1	1	13.53	13.53	13.53	18.5	0.0
100	QPSK	1	137	13.51	13.51	13.51	18.5	0.0
100	QPSK	1	271	13.57	13.57	13.57	18.5	0.0
100	QPSK	135	0	13.53	13.53	13.53	18.5	0.0
100	QPSK	135	136	13.51	13.51	13.51	18.5	0.0
100	QPSK	270	0	13.53	13.53	13.53	18.5	0.0
100	HQAM	1	1	13.56	13.56	13.56	18.5	0.0
100	HQAM	1	1	13.51	13.51	13.51	18.5	0.0
Channel								
80	QPSK	1	1	13.51	13.51	13.51	18.5	0.0
Channel								
80	QPSK	1	1	13.51	13.54	13.56	18.5	0.0
Channel								
70	QPSK	1	1	13.45	13.56	13.51	18.5	0.0
Channel								
70	QPSK	1	1	13.45	13.54	13.56	18.5	0.0
Channel								
60	QPSK	1	1	13.42	13.52	13.52	18.5	0.0
Channel								
60	QPSK	1	1	13.42	13.54	13.56	18.5	0.0
Channel								
50	QPSK	1	1	13.40	13.58	13.57	18.5	0.0
Channel								
40	QPSK	1	1	13.54	13.51	13.55	18.5	0.0
Channel								
30	QPSK	1	1	13.48	13.54	13.51	18.5	0.0
Channel								
20	QPSK	1	1	13.54	13.54	13.54	18.5	0.0
Channel								
15	QPSK	1	1	13.41	13.42	13.54	18.5	0.0
Channel								
10	QPSK	1	1	13.50	13.51	13.50	18.5	0.0

### PC3 Part27Q n78 Ant9 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPR (dB)
Channel								
100	PUSC BPSK	1	1	13.32	13.32	13.32	15.5	0.0
100	PUSC BPSK	1	137	13.35	13.35	13.35	15.5	0.0
100	PUSC BPSK	1	271	13.42	13.42	13.42	15.5	0.0
100	PUSC BPSK	135	0	13.35	13.35	13.35	15.5	0.0
100	PUSC BPSK	135	136	13.36	13.36	13.36	15.5	0.0
100	PUSC BPSK	270	0	13.32	13.32	13.32	15.5	0.0
100	QPSK	1	1	13.32	13.32	13.32	15.5	0.0
100	QPSK	1	137	13.41	13.41	13.41	15.5	0.0
100	QPSK	1	271	13.50	13.50	13.50	15.5	0.0
100	QPSK	135	0	13.34	13.34	13.34	15.5	0.0
100	QPSK	135	136	13.39	13.39	13.39	15.5	0.0
100	QPSK	270	0	13.41	13.41	13.41	15.5	0.0
100	HQAM	1	1	13.21	13.21	13.21	15.5	0.0
100	HQAM	1	1	13.31	13.31	13.31	15.5	0.0
100	HQAM	1	1	13.40	13.40	13.40	15.5	0.0
Channel								
80	QPSK	1	1	13.30	13.37	13.25	15.5	0.0
Channel								
80	QPSK	1	1	13.32	13.32	13.34	15.5	0.0
Channel								
70	QPSK	1	1	13.25	13.39	13.27	15.5	0.0
Channel								
70	QPSK	1	1	13.25	13.37	13.29	15.5	0.0
Channel								
60	QPSK	1	1	13.28	13.27	13.28	15.5	0.0
Channel								
60	QPSK	1	1	13.28	13.30	13.31	15.5	0.0
Channel								
50	QPSK	1	1	13.29	13.30	13.29	15.5	0.0
Channel								
40	QPSK	1	1	13.30	13.31	13.27	15.5	0.0
Channel								
30	QPSK	1	1	13.25	13.29	13.25	15.5	0.0
Channel								
20	QPSK	1	1	13.29	13.29	13.29	15.5	0.0
Channel								
15	QPSK	1	1	13.42	13.41	13.32	15.5	0.0
Channel								
10	QPSK	1	1	13.40	13.30	13.27	15.5	0.0

### PC2 Part27Q n78 Ant9 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPR (dB)
Channel								
100	PUSC BPSK	1	1	13.53	13.53	13.53	18.5	0.0
100	PUSC BPSK	1	137	13.57	13.57	13.57	18.5	0.0
100	PUSC BPSK	1	271	13.64	13.64	13.64	18.5	0.0
100	PUSC BPSK	135	0	13.53	13.53	13.53	18.5	0.0
100	PUSC BPSK	135	136	13.51	13.51	13.51	18.5	0.0
100	PUSC BPSK	270	0	13.53	13.53	13.53	18.5	0.0
100	QPSK	1	1	13.53	13.53	13.53	18.5	0.0
100	QPSK	1	137	13.58	13.58	13.58	18.5	0.0
100	QPSK	1	271	13.64	13.64	13.64	18.5	0.0
100	QPSK	135	0	13.54	13.54	13.54	18.5	0.0
100	QPSK	135	136	13.52	13.52	13.52	18.5	0.0
100	QPSK	270	0	13.52	13.52	13.52	18.5	0.0
100	HQAM	1	1	13.54	13.54	13.54	18.5	0.0
100	HQAM	1	1	13.53	13.53	13.53	18.5	0.0
Channel								
80	QPSK	1	1	13.51	13.51	13.51	18.5	0.0
Channel								
80	QPSK	1	1	13.51	13.54	13.56	18.5	0.0
Channel								
70	QPSK	1	1	13.45	13.54	13.51	18.5	0.0
Channel								
70	QPSK	1	1	13.45	13.54	13.56	18.5	0.0
Channel								
60	QPSK	1	1	13.42	13.52	13.52	18.5	0.0
Channel								
60	QPSK	1	1	13.42	13.54	13.56	18.5	0.0
Channel								
50	QPSK	1	1	13.40	13.58	13.57	18.5	0.0
Channel								
40	QPSK	1	1	13.54	13.51	13.55	18.5	0.0
Channel								
30	QPSK	1	1	13.48	13.54	13.51	18.5	0.0
Channel								
20	QPSK	1	1	13.54	13.54	13.54	18.5	0.0
Channel								
15	QPSK	1	1	13.41	13.42	13.54	18.5	0.0
Channel								
10	QPSK	1	1	13.50	13.51	13.50	18.5	0.0



PC3 Part270 n77 Ant11 for ENDC

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq.), Power Max Ch. 1 (Freq.), Power High Ch. 1 (Freq.), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different RB sizes and power levels.

PC3 Part27Q n77 Ant11 for ENDC

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq.), Power Max Ch. 1 (Freq.), Power High Ch. 1 (Freq.), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different RB sizes and power levels.

PC3 Part270 n78 Ant11 for ENDC

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq.), Power Max Ch. 1 (Freq.), Power High Ch. 1 (Freq.), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different RB sizes and power levels.

PC2 Part270 n78 Ant11 for ENDC

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. 1 (Freq.), Power Max Ch. 1 (Freq.), Power High Ch. 1 (Freq.), Turn-up time (dBm), MPR (dB). Rows include various modulation schemes like PBO BPSK, QPSK, and HQAM for different RB sizes and power levels.



PC2 Part27Q n78 Ant11 for ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1	13.35	13.35				
100	PI2-BPSK	1	137	13.43			14.5	0.0	
100	PI2-BPSK	1	271	13.48					
100	PI2-BPSK	135	0	13.38			14.5	0.0	
100	PI2-BPSK	135	138	13.46					
100	PI2-BPSK	270	0	13.42			14.5	0.0	
100	QPSK	1	1	13.35					
100	QPSK	1	137	13.38			14.5	0.0	
100	QPSK	1	271	13.47					
100	QPSK	135	0	13.42			14.5	0.0	
100	QPSK	135	138	13.43					
100	QPSK	270	0	13.45			14.5	0.0	
100	HQAM	1	1	13.38			14.5	0.0	
100	HQAM	1	1	13.43			14.5	0.0	
100	HQAM	1	1	13.46			14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83300	83334	83368	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.36	15.36	15.35	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.47	15.24	15.22	14.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.41	13.25	13.24	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.25	13.43	13.43	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83368	83334	83300	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.43	13.40	13.40	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.42	13.40	13.40	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.41	13.40	13.40	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.43	13.43	13.43	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.44	13.44	13.44	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.41	13.37	13.22	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.49	13.21	13.22	14.5	0.0	

PC2 Part27Q n78 Ant11 for ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PI2-BPSK	1	1	16.45					
100	PI2-BPSK	1	137	16.40			17.5	0.0	
100	PI2-BPSK	1	271	16.22					
100	PI2-BPSK	135	0	16.41			17.5	0.0	
100	PI2-BPSK	135	138	16.39					
100	PI2-BPSK	270	0	16.45			17.5	0.0	
100	QPSK	1	1	16.35					
100	QPSK	1	137	16.45			17.5	0.0	
100	QPSK	1	271	16.43					
100	QPSK	135	0	16.40			17.5	0.0	
100	QPSK	135	138	16.40					
100	QPSK	270	0	16.39			17.5	0.0	
100	HQAM	1	1	16.39			17.5	0.0	
100	HQAM	1	1	16.34			17.5	0.0	
100	HQAM	1	1	16.26			17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83300	83334	83368	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.28	16.33	16.34	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.30	16.48	16.30	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.34	16.33	16.34	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.34	16.45	16.42	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.29	16.44	16.27	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83368	83334	83300	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.30	16.34	16.22	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83334	83334	83334	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.45	16.31	16.43	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.30	16.33	16.33	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.27	16.43	16.43	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.30	16.40	16.40	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.30	16.44	16.43	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83300	83334	83368	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.36	16.46	16.26	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.34	16.37	16.33	17.5	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				168800	167300	167600			
Frequency (MHz)				834	835.5	836			
20	PI/2 BPSK	1	1	24.79	24.87	24.85			
20	PI/2 BPSK	1	53	24.84	24.89	24.82	25.5	0.0	
20	PI/2 BPSK	1	104	24.77	24.79	24.65			
20	PI/2 BPSK	50	0	24.19	24.46	24.25	25.0	0.5	
20	PI/2 BPSK	50	26	24.67	24.83	24.71	25.5	0.0	
20	PI/2 BPSK	50	56	24.02	24.27	24.12	25.0	0.5	
20	PI/2 BPSK	100	0	24.37	24.38	24.28			
20	QPSK	1	1	24.94	24.98	24.85			
20	QPSK	1	53	24.79	24.85	24.70	25.5	0.0	
20	QPSK	1	104	24.61	24.79	24.65			
20	QPSK	50	0	23.71	23.73	23.76	24.5	1.0	
20	QPSK	50	26	24.82	24.90	24.74	25.5	0.0	
20	QPSK	50	56	23.75	23.81	23.73	24.5	1.0	
20	QPSK	100	0	23.73	23.95	23.66			
20	16QAM	1	1	23.69	23.68	23.75	24.5	1.0	
20	16QAM	1	1	22.32	22.41	22.16	23.0	2.5	
20	256QAM	1	1	20.68	20.71	20.55	21.0	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.51	24.43	24.60	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.78	24.81	24.77	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				835.5	838.5	848.5			
5	QPSK	1	1	24.92	24.87	24.81	25.5	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)				2500	2535	2550			
40	PI/2 BPSK	1	1	23.36	23.43	23.25			
40	PI/2 BPSK	1	108	23.44	23.40	23.31	24.0	0.0	
40	PI/2 BPSK	1	214	23.23	23.30	23.10			
40	PI/2 BPSK	108	0	22.61	22.85	22.90	23.5	0.5	
40	PI/2 BPSK	108	54	23.00	23.30	23.03	24.0	0.0	
40	PI/2 BPSK	108	108	22.76	22.77	22.69	23.5	0.5	
40	PI/2 BPSK	216	0	22.68	22.76	22.64			
40	QPSK	1	1	23.22	23.47	23.35			
40	QPSK	1	108	23.07	23.25	23.24	24.0	0.0	
40	QPSK	1	214	23.24	23.11	23.22			
40	QPSK	108	0	22.16	22.31	22.11	23.0	1.0	
40	QPSK	108	54	23.02	23.20	22.99	24.0	0.0	
40	QPSK	108	108	22.04	22.25	22.18	23.0	1.0	
40	QPSK	216	0	22.22	22.26	22.16			
40	16QAM	1	1	22.16	22.11	21.94	23.0	1.0	
40	16QAM	1	1	20.44	20.68	20.58	21.5	2.5	
40	256QAM	1	1	18.38	18.38	18.42	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.11	23.33	23.22	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	23.18	23.29	23.31	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	23.10	23.37	23.24	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	23.20	23.39	23.47	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.10	23.30	23.30	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	23.14	23.44	23.30	24.0	0.0	

n66 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				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
40	PI/2 BPSK	1	1	22.81	22.94	22.85			
40	PI/2 BPSK	1	108	22.83	22.91	22.88	23.5	0.0	
40	PI/2 BPSK	1	214	22.71	22.92	22.84			
40	PI/2 BPSK	108	0	22.28	22.41	22.19	23.0	0.5	
40	PI/2 BPSK	108	54	22.86	23.00	22.85	23.5	0.0	
40	PI/2 BPSK	108	108	22.53	22.38	22.30	23.0	0.5	
40	PI/2 BPSK	216	0	22.34	22.42	22.24			
40	QPSK	1	1	22.78	23.03	22.97			
40	QPSK	1	108	22.77	22.89	22.74	23.5	0.0	
40	QPSK	1	214	22.57	22.73	22.60			
40	QPSK	108	0	21.85	21.84	21.85	22.5	1.0	
40	QPSK	108	54	22.94	23.02	22.82	23.5	0.0	
40	QPSK	108	108	21.69	21.84	21.77	22.5	1.0	
40	QPSK	216	0	21.82	22.06	21.98			
40	16QAM	1	1	21.88	21.94	21.98	22.5	1.0	
40	16QAM	1	1	20.38	20.30	20.29	21.0	2.5	
40	256QAM	1	1	18.66	18.74	18.74	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.67	22.86	22.86	23.5	0.0	
Channel				344500	349000	348000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.74	22.94	22.84	23.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.67	22.89	22.89	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.72	22.89	22.89	23.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.81	22.97	22.87	23.5	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									
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.13	23.21	23.19			
40	PI2 BPSK	1	53	23.11	23.14	23.10	24.0	0.0	
40	PI2 BPSK	1	104	22.91	23.13	22.94			
40	PI2 BPSK	50	0	22.82	22.86	22.55	23.5	0.5	
40	PI2 BPSK	50	28	23.02	23.22	22.96	24.0	0.0	
40	PI2 BPSK	50	58	22.53	22.59	22.57	23.5	0.5	
40	PI2 BPSK	100	0	22.55	22.79	22.53			
40	QPSK	1	1	23.15	23.24	23.22			
40	QPSK	1	53	22.93	23.00	22.96	24.0	0.0	
40	QPSK	1	104	22.92	23.12	22.94			
40	QPSK	50	0	22.08	22.13	22.02	23.0	1.0	
40	QPSK	50	28	23.04	23.17	23.03	24.0	0.0	
40	QPSK	50	58	22.07	22.12	22.18	23.0	1.0	
40	QPSK	100	0	22.17	22.25	22.15			
40	16QAM	1	1	22.00	22.35	22.22	23.0	1.0	
40	16QAM	1	1	20.37	20.59	20.39	21.5	2.5	
40	256QAM	1	1	18.37	18.32	18.33	19.5	4.5	
Channel									
Frequency (MHz)				5170.02	5180.00	5200.00			
30	QPSK	1	1	23.08	23.20	23.12	24.0	0.0	
Channel									
Frequency (MHz)				5160.00	5190.00	5220.00			
20	QPSK	1	1	22.99	23.14	23.10	24.0	0.0	
Channel									
Frequency (MHz)				5155.02	5190.00	5224.98			
15	QPSK	1	1	23.11	23.07	23.19	24.0	0.0	
Channel									
Frequency (MHz)				5150.04	5190.00	5229.96			
10	QPSK	1	1	22.98	23.18	23.11	24.0	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									
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	22.79	22.93	22.87			
100	PI2 BPSK	1	137	22.82	22.85	22.85	24.0	0.0	
100	PI2 BPSK	1	271	22.74	22.91	22.80			
100	PI2 BPSK	135	0	22.35	22.45	22.31	23.5	0.5	
100	PI2 BPSK	135	69	22.79	22.93	22.96	24.0	0.0	
100	PI2 BPSK	135	138	22.34	22.48	22.39	23.5	0.5	
100	PI2 BPSK	270	0	22.31	22.46	22.30			
100	QPSK	1	1	22.88	22.98	22.96			
100	QPSK	1	137	22.85	22.91	22.89	24.0	0.0	
100	QPSK	1	271	22.78	22.80	22.78			
100	QPSK	135	0	21.70	21.88	21.52	23.0	1.0	
100	QPSK	135	69	22.91	22.93	22.87	24.0	0.0	
100	QPSK	135	138	21.84	21.77	21.78	23.0	1.0	
100	QPSK	270	0	21.67	21.80	21.61			
100	16QAM	1	1	21.88	22.05	21.93	23.0	1.0	
100	16QAM	1	1	20.44	20.37	20.35	21.5	2.5	
100	256QAM	1	1	18.32	18.39	18.13	19.5	4.5	
Channel									
Frequency (MHz)				5052.00	5185.98	5399.98			
90	QPSK	1	1	22.70	22.95	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5072.04	5185.98	5299.98			
80	QPSK	1	1	22.71	22.92	22.87	24.0	0.0	
Channel									
Frequency (MHz)				5052.02	5185.98	5310.00			
70	QPSK	1	1	22.71	22.90	22.84	24.0	0.0	
Channel									
Frequency (MHz)				5052.00	5185.98	5319.98			
60	QPSK	1	1	22.78	22.83	22.91	24.0	0.0	
Channel									
Frequency (MHz)				5042.04	5185.98	5329.98			
50	QPSK	1	1	22.81	22.84	22.82	24.0	0.0	
Channel									
Frequency (MHz)				5032.02	5185.98	5340.00			
40	QPSK	1	1	22.72	22.90	22.87	24.0	0.0	
Channel									
Frequency (MHz)				5022.00	5185.98	5349.98			
30	QPSK	1	1	22.71	22.93	22.85	24.0	0.0	
Channel									
Frequency (MHz)				5012.04	5185.98	5359.98			
20	QPSK	1	1	22.77	22.88	22.93	24.0	0.0	

PC3 Part270 n77 Ant0 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)				3750	3840	3930			
100	PI2 BPSK	1	1	21.13	21.17	21.06			
100	PI2 BPSK	1	137	21.08	21.23	21.11	22.5	0.0	
100	PI2 BPSK	1	271	20.97	21.14	20.96			
100	PI2 BPSK	135	0	21.00	21.16	21.09	22.5	0.0	
100	PI2 BPSK	135	69	21.03	21.10	20.98	22.5	0.0	
100	PI2 BPSK	135	138	21.09	21.12	21.03	22.5	0.0	
100	PI2 BPSK	270	0	21.11	21.21	21.09			
100	QPSK	1	1	21.23	21.27	21.27			
100	QPSK	1	137	21.20	21.25	21.19	22.5	0.0	
100	QPSK	1	271	21.05	21.20	21.05			
100	QPSK	135	0	21.10	21.18	21.03	21.5	1.0	
100	QPSK	135	69	21.19	21.22	21.13	22.5	0.0	
100	QPSK	135	138	21.07	21.09	20.93	21.5	1.0	
100	QPSK	270	0	21.12	21.18	21.09			
100	16QAM	1	1	20.98	21.06	20.90	22.5	0.0	
100	16QAM	1	1	20.32	20.30	20.09	21.5	1.0	
100	256QAM	1	1	18.13	18.20	18.14	19.5	3.0	
Channel									
Frequency (MHz)				6459.98	6500.00	6623.34			
90	QPSK	1	1	21.06	21.22	21.16	22.5	0.0	
Channel									
Frequency (MHz)				6493.34	6500.00	6629.98			
80	QPSK	1	1	21.12	21.25	21.04	22.5	0.0	
Channel									
Frequency (MHz)				6490.00	6500.00	6630.00			
70	QPSK	1	1	21.08	21.14	21.02	22.5	0.0	
Channel									
Frequency (MHz)				6486.68	6500.00	6633.34			
60	QPSK	1	1	21.11	21.22	21.11	22.5	0.0	
Channel									
Frequency (MHz)				6483.34	6500.00	6636.68			
50	QPSK	1	1	21.11	21.22	21.11	22.5	0.0	
Channel									
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.16	21.14	21.15	22.5	0.0	
Channel									
Frequency (MHz)				6476.68	6500.00	6643.34			
30	QPSK	1	1	21.07	21.23	21.02	22.5	0.0	
Channel									
Frequency (MHz)				6473.34	6500.00	6646.68			
20	QPSK	1	1	21.09	21.13	21.10	22.5	0.0	
Channel									
Frequency (MHz)				6471.88	6500.00	6648.34			
15	QPSK	1	1	21.08	21.11	21.10	22.5	0.0	
Channel									
Frequency (MHz)				6470.00	6500.00	6650.00			
10	QPSK	1	1	21.09	21.23	21.08	22.5	0.0	



PC3 Part27Q n77 Ant0 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			3500.01			
Frequency (MHz)				21.18						
100	PI/2 BPSK	1	1		21.18					
100	PI/2 BPSK	1	137		21.26		22.5	0.0		
100	PI/2 BPSK	1	271		21.08					
100	PI/2 BPSK	135	0		21.16		22.5	0.0		
100	PI/2 BPSK	135	69		21.25		22.5	0.0		
100	PI/2 BPSK	135	138		21.16		22.5	0.0		
100	PI/2 BPSK	270	0		21.18					
100	QPSK	1	1		21.33					
100	QPSK	1	137		21.27		22.5	0.0		
100	QPSK	1	271		21.14					
100	QPSK	135	0		21.21		21.5	1.0		
100	QPSK	135	69		21.24		22.5	0.0		
100	QPSK	135	138		21.09					
100	QPSK	270	0		21.16		21.5	1.0		
100	16QAM	1	1		21.24		22.5	0.0		
100	64QAM	1	1		20.58		21.5	1.0		
100	256QAM	1	1		18.49		19.5	3.0		
Channel				633090			633668			
Frequency (MHz)				3495			3500.01		3505.02	
90	QPSK	1	1		21.25	21.15	21.28	22.5	0.0	
Channel				632668			633400			
Frequency (MHz)				3490.02			3500.01		3510	
80	QPSK	1	1		21.24	21.10	21.25	22.5	0.0	
Channel				632334			634334			
Frequency (MHz)				3485.01			3500.01		3515.01	
70	QPSK	1	1		21.18	21.19	21.23	22.5	0.0	
Channel				632000			633334			
Frequency (MHz)				3480			3500.01		3520.02	
60	QPSK	1	1		21.21	21.29	21.24	22.5	0.0	
Channel				631688			633000			
Frequency (MHz)				3475.02			3500.01		3525	
50	QPSK	1	1		21.25	21.30	21.25	22.5	0.0	
Channel				631334			633334			
Frequency (MHz)				3470.01			3500.01		3530.01	
40	QPSK	1	1		21.25	21.30	21.25	22.5	0.0	
Channel				631000			633334			
Frequency (MHz)				3465			3500.01		3535.02	
30	QPSK	1	1		21.20	21.22	21.19	22.5	0.0	
Channel				630668			633000			
Frequency (MHz)				3460.02			3500.01		3540	
20	QPSK	1	1		21.28	21.21	21.29	22.5	0.0	
Channel				630500			633334			
Frequency (MHz)				3457.5			3500.01		3545.5	
15	QPSK	1	1		21.15	21.16	21.25	22.5	0.0	
Channel				630334			633334			
Frequency (MHz)				3455.01			3500.01		3545.01	
10	QPSK	1	1		21.25	21.24	21.23	22.5	0.0	

PC3 Part27Q n78 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				650000			3750			
Frequency (MHz)				3750			3750		3750	
100	PI/2 BPSK	1	1		20.74					
100	PI/2 BPSK	1	137		20.70					
100	PI/2 BPSK	1	271		20.63		22.0	0.0		
100	PI/2 BPSK	135	0		20.62		22.0	0.0		
100	PI/2 BPSK	135	69		20.62		22.0	0.0		
100	PI/2 BPSK	135	138		20.73		22.0	0.0		
100	PI/2 BPSK	270	0		20.64					
100	QPSK	1	1		20.79					
100	QPSK	1	137		20.63		22.0	0.0		
100	QPSK	1	271		20.65					
100	QPSK	135	0		20.69		22.0	0.0		
100	QPSK	135	69		20.71		22.0	0.0		
100	QPSK	135	138		20.60					
100	QPSK	270	0		20.68		22.0	0.0		
100	16QAM	1	1		20.70		22.0	0.0		
100	64QAM	1	1		19.63		20.5	1.5		
100	256QAM	1	1		17.63		18.5	3.5		
Channel				649668			650000			
Frequency (MHz)				3745.02			3750		3755.01	
90	QPSK	1	1		20.72	20.75	20.84	22.0	0.0	
Channel				649334			650000			
Frequency (MHz)				3740.01			3750		3760.02	
80	QPSK	1	1		20.65	20.72	20.73	22.0	0.0	
Channel				649000			650000			
Frequency (MHz)				3735			3760		3765	
70	QPSK	1	1		20.73	20.70	20.71	22.0	0.0	
Channel				648668			650000			
Frequency (MHz)				3730.02			3750		3770.01	
60	QPSK	1	1		20.68	20.66	20.65	22.0	0.0	
Channel				648334			650000			
Frequency (MHz)				3725.01			3750		3775.02	
50	QPSK	1	1		20.74	20.65	20.68	22.0	0.0	
Channel				648000			650000			
Frequency (MHz)				3720			3780		3780	
40	QPSK	1	1		20.61	20.62	20.62	22.0	0.0	
Channel				647668			650000			
Frequency (MHz)				3715.02			3750		3785.01	
30	QPSK	1	1		20.65	20.70	20.69	22.0	0.0	
Channel				647334			650000			
Frequency (MHz)				3710.01			3750		3790.02	
20	QPSK	1	1		20.66	20.73	20.76	22.0	0.0	
Channel				647168			650000			
Frequency (MHz)				3707.62			3750		3792.51	
15	QPSK	1	1		20.62	20.63	20.64	22.0	0.0	
Channel				647000			650000			
Frequency (MHz)				3705			3785		3785	
10	QPSK	1	1		20.67	20.64	20.69	22.0	0.0	





PC2 Part270 n78 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									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	23.64	23.53	23.53			
100	PI2 BPSK	1	137	23.53	23.53	23.53	25.0	0.0	
100	PI2 BPSK	1	271	23.52	23.52	23.52	25.0	0.0	
100	PI2 BPSK	135	0	23.08	23.08	23.08	24.5	0.5	
100	PI2 BPSK	135	69	23.50	23.50	23.50	25.0	0.0	
100	PI2 BPSK	135	138	22.94	22.94	22.94	24.5	0.5	
100	PI2 BPSK	270	0	23.06	23.06	23.06	25.0	0.0	
100	QPSK	1	1	23.69	23.69	23.69			
100	QPSK	1	137	23.55	23.55	23.55	25.0	0.0	
100	QPSK	1	271	23.43	23.43	23.43	24.0	1.0	
100	QPSK	135	0	23.40	23.40	23.40	25.0	0.0	
100	QPSK	135	69	23.61	23.61	23.61	24.0	1.0	
100	QPSK	135	138	22.53	22.53	22.53	24.0	1.0	
100	QPSK	270	0	22.48	22.48	22.48	24.0	1.0	
100	16QAM	1	1	22.41	22.41	22.41	24.0	1.0	
100	16QAM	1	1	20.83	20.83	20.83	22.5	2.5	
100	256QAM	1	1	18.88	18.88	18.88	20.5	4.5	
Channel				64868	65000	65034	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	23.51	23.55	23.53	25.0	0.0	
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.58	23.44	23.59	25.0	0.0	
Channel									
Frequency (MHz)				64900	65000	65100	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	23.57	23.52	23.55	25.0	0.0	
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1	23.52	23.62	23.65	25.0	0.0	
Channel									
Frequency (MHz)				64834	65000	65168	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	23.58	23.63	23.60	25.0	0.0	
Channel									
Frequency (MHz)				64768	65000	65200	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.64	23.60	23.58	25.0	0.0	
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	23.67	23.66	23.61	25.0	0.0	
Channel									
Frequency (MHz)				64734	65000	65268	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.64	23.61	23.65	25.0	0.0	
Channel									
Frequency (MHz)				64718	65000	65294	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3705.02	3750	3825.51			
15	QPSK	1	1	23.58	23.64	23.52	25.0	0.0	
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	23.53	23.58	23.63	25.0	0.0	

PC3 Part27Q n78 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									
Frequency (MHz)					3500.01	3533.34			
100	PI2 BPSK	1	1		20.98				
100	PI2 BPSK	1	137		20.88		22.0	0.0	
100	PI2 BPSK	1	271		20.93		22.0	0.0	
100	PI2 BPSK	135	0		20.92		22.0	0.0	
100	PI2 BPSK	135	69		20.99		22.0	0.0	
100	PI2 BPSK	135	138		20.80		22.0	0.0	
100	PI2 BPSK	270	0		20.82		22.0	0.0	
100	QPSK	1	1		21.02				
100	QPSK	1	137		20.92		22.0	0.0	
100	QPSK	1	271		20.87		22.0	0.0	
100	QPSK	135	0		20.96		22.0	0.0	
100	QPSK	135	69		21.01		22.0	0.0	
100	QPSK	135	138		20.92		22.0	0.0	
100	QPSK	270	0		20.94		22.0	0.0	
100	16QAM	1	1		20.87		22.0	0.0	
100	16QAM	1	1		19.81		20.5	1.5	
100	256QAM	1	1		17.82		18.5	3.5	
Channel				63300	63334	63368	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	20.99	20.95	21.00	22.0	0.0	
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	20.99	20.88	20.98	22.0	0.0	
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	20.95	21.00	20.97	22.0	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	20.87	20.95	20.99	22.0	0.0	
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	20.86	20.91	20.86	22.0	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	20.90	20.99	20.93	22.0	0.0	
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	20.92	20.92	20.95	22.0	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	20.98	20.89	20.93	22.0	0.0	
Channel									
Frequency (MHz)				63050	63334	63618	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	20.99	20.98	20.92	22.0	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	20.89	20.85	21.00	22.0	0.0	

PC2 Part27Q n78 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									
Frequency (MHz)					3500.01	3533.34			
100	PI2 BPSK	1	1		24.04				
100	PI2 BPSK	1	137		23.90		25.0	0.0	
100	PI2 BPSK	1	271		23.99		25.0	0.0	
100	PI2 BPSK	135	0		23.48		24.5	0.5	
100	PI2 BPSK	135	69		23.90		25.0	0.0	
100	PI2 BPSK	135	138		23.59		24.5	0.5	
100	PI2 BPSK	270	0		23.54		25.0	0.0	
100	QPSK	1	1		24.06				
100	QPSK	1	137		24.02		25.0	0.0	
100	QPSK	1	271		23.99		25.0	0.0	
100	QPSK	135	0		22.92		24.0	1.0	
100	QPSK	135	69		23.94		25.0	0.0	
100	QPSK	135	138		23.07		24.0	1.0	
100	QPSK	270	0		23.10		24.0	1.0	
100	16QAM	1	1		22.82		24.0	1.0	
100	16QAM	1	1		21.37		22.5	2.5	
100	256QAM	1	1		19.37		20.5	4.5	
Channel				63300	63334	63368	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.05	24.06	23.96	25.0	0.0	
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	24.01	23.97	24.02	25.0	0.0	
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.00	24.05	24.05	25.0	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.02	24.02	24.03	25.0	0.0	
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.98	23.91	24.05	25.0	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.92	24.02	24.03	25.0	0.0	
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.00	23.95	23.90	25.0	0.	



n5 Ant1 DSI3									
Band	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	Channel				166800	167300	167800		
	Frequency (MHz)				834	836.5	839		
		Pi/2 BPSK	1	1	23.05	23.07	23.19		
		Pi/2 BPSK	1	53	23.16	23.14	22.94	24.0	0.0
		Pi/2 BPSK	1	104	22.80	22.99	22.96		
		Pi/2 BPSK	50	0	23.18	23.25	23.01	24.0	0.0
		Pi/2 BPSK	50	28	23.02	23.14	22.94	24.0	0.0
		Pi/2 BPSK	50	56	23.32	23.11	22.97	24.0	0.0
		Pi/2 BPSK	100	0	23.24	23.38	23.18		
		QPSK	1	1	22.96	23.45	23.06		
	QPSK	1	53	22.87	22.86	22.80	24.0	0.0	
	QPSK	1	104	23.09	23.15	23.19			
	QPSK	50	0	23.12	23.10	22.86	24.0	0.0	
	QPSK	50	28	23.06	23.24	22.91	24.0	0.0	
	QPSK	50	56	23.06	23.17	23.17	24.0	0.0	
	QPSK	100	0	23.13	23.23	23.04			
	16QAM	1	1	23.27	23.37	23.17	24.0	0.0	
	64QAM	1	1	21.84	21.93	21.76	22.5	1.5	
	256QAM	1	1	20.14	20.03	20.01	20.5	3.5	
15	Channel				165300	167300	168800		
	Frequency (MHz)				831.5	836.5	841.5		
		QPSK	1	1	23.06	23.13	22.93	24.0	0.0
	Channel				166800	167300	168800		
	Frequency (MHz)				830	836.5	844		
		QPSK	1	1	23.19	22.95	22.93	24.0	0.0
	Channel				165300	167300	169300		
	Frequency (MHz)				826.5	836.5	846.5		
		QPSK	1	1	23.03	22.99	22.96	24.0	0.0
	10	Channel				165300	167300	169300	
Frequency (MHz)				826.5	836.5	846.5			
5	Channel				165300	167300	169300		
	Frequency (MHz)				826.5	836.5	846.5		



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				50200	50700	51000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.07	22.27	22.20		
40	PI/2 BPSK	1	108	22.04	22.17	22.15	23.0	0.0
40	PI/2 BPSK	1	214	21.89	21.21	21.96		
40	PI/2 BPSK	108	0	22.14	22.28	22.26	23.0	0.0
40	PI/2 BPSK	108	54	21.97	22.13	21.94	23.0	0.0
40	PI/2 BPSK	108	108	22.06	22.19	21.98	23.0	0.0
40	PI/2 BPSK	216	0	21.93	22.14	22.23		
40	QPSK	1	1	22.18	22.33	22.31		
40	QPSK	1	108	21.11	21.22	21.98	23.0	0.0
40	QPSK	1	214	22.00	22.23	22.01		
40	QPSK	108	0	22.18	22.20	21.98	23.0	0.0
40	QPSK	108	54	22.11	22.31	22.21	23.0	0.0
40	QPSK	108	108	22.10	22.12	22.10	23.0	0.0
40	QPSK	216	0	22.03	22.15	22.14		
40	16QAM	1	1	22.20	22.25	22.05	23.0	0.0
40	16QAM	1	1	21.18	21.38	21.30	22.5	0.5
40	256QAM	1	1	19.55	18.48	19.35	20.5	2.5
Channel				50300	50700	51000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.14	22.04	22.12	23.0	0.0
Channel				50250	50700	511500		
Frequency (MHz)				2512.5	2535	2527.5		
25	QPSK	1	1	22.10	22.17	22.02	23.0	0.0
Channel				50200	50700	510000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.12	22.21	21.99	23.0	0.0
Channel				50150	50700	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.07	22.01	22.13	23.0	0.0
Channel				50100	50700	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.04	22.01	22.14	23.0	0.0
Channel				50050	50700	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.05	22.23	22.05	23.0	0.0

n66 Ant3 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				34900	34900	35000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.12	23.28	23.25		
40	PI/2 BPSK	1	108	23.46	23.32	23.51	24.0	0.0
40	PI/2 BPSK	1	214	23.18	23.33	23.23		
40	PI/2 BPSK	108	0	23.28	23.37	23.41	24.0	0.0
40	PI/2 BPSK	108	54	23.41	23.54	23.16	24.0	0.0
40	PI/2 BPSK	108	108	23.36	23.47	23.31	24.0	0.0
40	PI/2 BPSK	216	0	23.18	23.49	23.18		
40	QPSK	1	1	23.42	23.62	23.45		
40	QPSK	1	108	23.43	23.41	23.11	24.0	0.0
40	QPSK	1	214	23.38	23.37	23.59		
40	QPSK	108	0	23.27	23.58	23.09	24.0	0.0
40	QPSK	108	54	23.48	23.58	23.49	24.0	0.0
40	QPSK	108	108	23.36	23.47	23.44	24.0	0.0
40	QPSK	216	0	23.25	23.48	23.40		
40	16QAM	1	1	23.36	23.32	23.33	24.0	0.0
40	16QAM	1	1	21.52	21.59	21.77	22.5	1.5
40	256QAM	1	1	19.79	20.09	19.74	20.5	3.5
Channel				34950	34900	35300		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.13	23.23	23.12	24.0	0.0
Channel				34400	34900	35400		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.13	23.23	23.12	24.0	0.0
Channel				34350	34900	35450		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.13	23.23	23.12	24.0	0.0
Channel				34300	34900	35500		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.13	23.23	23.12	25.0	0.0
Channel				34250	34900	35550		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.13	23.23	23.12	24.0	0.0



n38 Ant3 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	21.43	21.79	21.81	
40	PI/2 BPSK	1	53	21.29	21.48	21.47	22.5
40	PI/2 BPSK	1	104	21.52	21.46	21.44	
40	PI/2 BPSK	50	0	21.60	21.50	21.70	22.5
40	PI/2 BPSK	50	28	21.59	21.70	21.58	22.5
40	PI/2 BPSK	50	56	21.47	21.64	21.60	22.5
40	PI/2 BPSK	100	0	21.33	21.38	21.67	
40	QPSK	1	1	21.73	21.86	21.56	
40	QPSK	1	53	21.60	21.62	21.81	22.5
40	QPSK	1	104	21.47	21.71	21.39	
40	QPSK	50	0	21.57	21.39	21.39	22.5
40	QPSK	50	28	21.39	21.68	21.52	22.5
40	QPSK	80	56	21.21	21.43	21.55	22.5
40	QPSK	100	0	21.34	21.38	21.23	22.5
40	16QAM	1	1	21.39	21.37	21.32	22.5
40	64QAM	1	1	20.96	21.40	21.20	22.5
40	256QAM	1	1	19.38	19.62	19.83	20.5
Channel				5170.02	5190.00	5209.99	
Frequency (MHz)				5170.02	5190.00	5209.99	
30	QPSK	1	1	21.42	21.45	21.27	22.5
Channel				5160.00	5190.00	5200.00	
Frequency (MHz)				5160.00	5190.00	5200.00	
20	QPSK	1	1	21.34	21.33	21.16	22.5
Channel				5155.02	5190.00	5224.98	
Frequency (MHz)				5155.02	5190.00	5224.98	
15	QPSK	1	1	21.15	21.55	21.30	22.5
Channel				5150.04	5190.00	5239.98	
Frequency (MHz)				5150.04	5190.00	5239.98	
10	QPSK	1	1	21.47	21.38	21.23	22.5

n41 Ant3 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2592.99	2640	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.67	21.95	21.89	
100	PI/2 BPSK	1	137	21.39	21.54	21.82	22.5
100	PI/2 BPSK	1	271	21.83	21.61	21.74	
100	PI/2 BPSK	135	0	21.88	21.83	21.86	22.5
100	PI/2 BPSK	135	69	21.82	21.72	21.76	22.5
100	PI/2 BPSK	135	138	21.80	21.72	21.94	22.5
100	PI/2 BPSK	270	0	21.59	21.56	21.80	
100	QPSK	1	1	21.99	21.99	21.92	
100	QPSK	1	137	21.86	21.74	21.91	22.5
100	QPSK	1	271	21.81	21.81	21.61	
100	QPSK	135	0	21.63	21.69	21.56	22.5
100	QPSK	135	69	21.69	21.62	21.68	22.5
100	QPSK	135	138	21.58	21.62	21.63	22.5
100	QPSK	270	0	21.53	21.62	21.52	22.5
100	16QAM	1	1	21.48	21.45	21.36	22.5
100	64QAM	1	1	21.34	21.73	21.49	22.5
100	256QAM	1	1	19.63	19.62	19.86	20.5
Channel				5020.00	5189.98	5299.99	
Frequency (MHz)				5020.00	5189.98	5299.99	
90	QPSK	1	1	21.52	21.65	21.51	22.5
Channel				5072.04	5189.98	5299.98	
Frequency (MHz)				5072.04	5189.98	5299.98	
80	QPSK	1	1	21.83	21.65	21.61	22.5
Channel				5062.02	5189.98	5310.00	
Frequency (MHz)				5062.02	5189.98	5310.00	
70	QPSK	1	1	21.65	21.95	21.61	22.5
Channel				5052.00	5189.98	5319.98	
Frequency (MHz)				5052.00	5189.98	5319.98	
60	QPSK	1	1	21.64	21.85	21.61	22.5
Channel				5042.04	5189.98	5329.98	
Frequency (MHz)				5042.04	5189.98	5329.98	
50	QPSK	1	1	21.80	21.69	21.48	22.5
Channel				5032.02	5189.98	5340.00	
Frequency (MHz)				5032.02	5189.98	5340.00	
40	QPSK	1	1	21.83	21.65	21.59	22.5
Channel				5022.00	5189.98	5349.98	
Frequency (MHz)				5022.00	5189.98	5349.98	
30	QPSK	1	1	21.62	21.81	21.51	22.5
Channel				5012.04	5189.98	5359.98	
Frequency (MHz)				5012.04	5189.98	5359.98	
20	QPSK	1	1	21.76	21.90	21.76	22.5



n7 Ant4 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	510000			
Frequency (MHz)				2530	2535	2550			
40	PI/2 BPSK	1	1	21.82	21.96	21.77			
40	PI/2 BPSK	1	108	21.79	22.01	21.97	22.5	0.0	
40	PI/2 BPSK	1	214	21.71	21.85	21.74			
40	PI/2 BPSK	108	0	21.87	21.84	21.94	22.5	0.0	
40	PI/2 BPSK	108	54	21.95	21.93	21.83	22.5	0.0	
40	PI/2 BPSK	108	108	21.76	21.84	21.82	22.5	0.0	
40	PI/2 BPSK	216	0	21.95	21.88	21.75			
40	QPSK	1	1	21.98	22.02	21.93			
40	QPSK	1	108	21.91	21.91	21.86	22.5	0.0	
40	QPSK	1	214	21.91	21.84	21.75			
40	QPSK	108	0	21.87	21.98	21.94	22.5	0.0	
40	QPSK	108	54	21.89	22.00	21.97	22.5	0.0	
40	QPSK	108	108	21.81	21.91	21.84	22.5	0.0	
40	QPSK	216	0	21.85	21.98	21.93			
40	16QAM	1	1	21.86	21.89	21.99	22.5	0.0	
40	16QAM	1	1	19.93	20.02	20.09	21.0	1.5	
40	256QAM	1	1	18.24	18.24	18.15	19.0	3.5	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	21.93	21.99	21.86	22.5	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2527.5			
25	QPSK	1	1	21.83	21.95	21.89	22.5	0.0	
Channel				502000	507000	510000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.89	21.96	21.86	22.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.91	21.98	21.88	22.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.82	21.98	21.85	22.5	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2587.5			
5	QPSK	1	1	21.91	21.95	21.87	22.5	0.0	

n66 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				349000	349000	350000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.74	22.85	22.80			
40	PI/2 BPSK	1	108	22.72	22.81	22.77	23.5	0.0	
40	PI/2 BPSK	1	214	22.69	22.78	22.83			
40	PI/2 BPSK	108	0	21.90	21.99	21.98	23.0	0.5	
40	PI/2 BPSK	108	54	22.71	22.79	22.76	23.5	0.0	
40	PI/2 BPSK	108	108	22.07	22.26	22.23	23.0	0.5	
40	PI/2 BPSK	216	0	22.05	22.25	22.19			
40	QPSK	1	1	22.74	22.88	22.87			
40	QPSK	1	108	22.78	22.98	22.85	23.5	0.0	
40	QPSK	1	214	22.75	22.81	22.72			
40	QPSK	108	0	21.42	21.55	21.43	22.5	1.0	
40	QPSK	108	54	22.55	22.74	22.70	23.5	0.0	
40	QPSK	108	108	21.74	21.83	21.75	22.5	1.0	
40	QPSK	216	0	21.85	21.99	21.93			
40	16QAM	1	1	21.39	21.47	21.51	22.5	1.0	
40	16QAM	1	1	19.47	19.63	19.59	21.0	2.5	
40	256QAM	1	1	17.60	17.68	17.42	19.0	4.5	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.87	22.85	22.79	23.5	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.70	22.81	22.78	23.5	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.88	22.82	22.75	23.5	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.87	22.81	22.85	23.5	0.0	
Channel				342500	349000	356000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.97	22.72	22.89	23.5	0.0	



n38 Ant4 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				519304	519500	519596	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI2 BPSK	1	1	20.68	20.73	20.70	
40	PI2 BPSK	1	53	20.63	20.68	20.52	21.5
40	PI2 BPSK	1	104	20.53	20.60	20.56	
40	PI2 BPSK	50	0	20.66	20.71	20.67	21.5
40	PI2 BPSK	50	28	20.66	20.69	20.51	21.5
40	PI2 BPSK	50	56	20.64	20.73	20.64	21.5
40	PI2 BPSK	100	0	20.70	20.72	20.68	
40	QPSK	1	1	20.67	20.62	20.73	
40	QPSK	1	53	20.56	20.64	20.50	21.5
40	QPSK	1	104	20.42	20.59	20.53	
40	QPSK	50	0	20.58	20.67	20.54	21.5
40	QPSK	50	28	20.66	20.77	20.63	21.5
40	QPSK	80	56	20.50	20.61	20.56	
40	QPSK	100	0	20.60	20.70	20.54	21.5
40	16QAM	1	1	20.59	20.68	20.63	21.5
40	16QAM	1	1	19.99	20.12	20.06	21.0
40	256QAM	1	1	17.71	17.83	17.77	19.0
Channel				517002	519000	520998	
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	20.54	20.69	20.67	21.5
Channel				516000	519000	520000	
Frequency (MHz)				2570	2595	2610	
20	QPSK	1	1	20.54	20.69	20.55	21.5
Channel				515502	519000	522498	
Frequency (MHz)				2677.51	2595	2612.49	
15	QPSK	1	1	20.64	20.72	20.57	21.5
Channel				515004	519000	522998	
Frequency (MHz)				2673.02	2595	2614.98	
10	QPSK	1	1	20.63	20.70	20.57	21.5

n41 Ant4 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				526202	518598	526200	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI2 BPSK	1	1	21.49	21.58	21.35	
100	PI2 BPSK	1	137	21.38	21.51	21.41	22.5
100	PI2 BPSK	1	271	21.39	21.55	21.49	
100	PI2 BPSK	135	0	21.41	21.46	21.45	22.5
100	PI2 BPSK	135	69	21.44	21.53	21.43	22.5
100	PI2 BPSK	135	138	21.43	21.47	21.34	22.5
100	PI2 BPSK	270	0	21.42	21.57	21.39	
100	QPSK	1	1	21.56	21.63	21.51	
100	QPSK	1	137	21.42	21.55	21.47	22.5
100	QPSK	1	271	21.46	21.52	21.46	
100	QPSK	135	0	21.41	21.45	21.41	22.5
100	QPSK	135	69	21.38	21.47	21.45	22.5
100	QPSK	135	138	21.43	21.42	21.46	
100	QPSK	270	0	21.43	21.52	21.48	22.5
100	16QAM	1	1	21.31	21.42	21.25	22.5
100	16QAM	1	1	19.93	20.04	19.91	21.0
100	256QAM	1	1	17.65	17.73	17.61	19.0
Channel				526200	518598	526198	
Frequency (MHz)				2541	2592.99	2644.99	
90	QPSK	1	1	21.47	21.52	21.42	22.5
Channel				507204	518598	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.43	21.54	21.42	22.5
Channel				506202	518598	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.53	21.49	21.43	22.5
Channel				505200	518598	531998	
Frequency (MHz)				2526	2592.99	2659.99	
60	QPSK	1	1	21.45	21.50	21.43	22.5
Channel				504204	518598	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.54	21.61	21.51	22.5
Channel				503202	518598	533000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.53	21.54	21.45	22.5
Channel				502200	518598	534998	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	1	21.55	21.49	21.40	22.5
Channel				501204	518598	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.46	21.59	21.41	22.5



n7 Ant5 DSI3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				503000	507000	510000		
Frequency (MHz)				2530	2535	2550		
40	PI/2 BPSK	1	1	21.42	21.41	21.32		
40	PI/2 BPSK	1	108	21.32	21.30	21.22	22.0	0.0
40	PI/2 BPSK	1	214	21.23	21.31	21.21		
40	PI/2 BPSK	108	0	21.13	21.33	21.23	22.0	0.0
40	PI/2 BPSK	108	54	21.40	21.30	21.28	22.0	0.0
40	PI/2 BPSK	108	108	21.12	21.35	21.20	22.0	0.0
40	PI/2 BPSK	216	0	21.18	21.27	21.19		
40	QPSK	1	1	21.38	21.48	21.28		
40	QPSK	1	108	21.21	21.37	21.24	22.0	0.0
40	QPSK	1	214	21.23	21.27	21.14		
40	QPSK	108	0	21.25	21.41	21.18	22.0	0.0
40	QPSK	108	54	21.15	21.37	21.25	22.0	0.0
40	QPSK	108	108	21.10	21.16	21.11	22.0	0.0
40	QPSK	216	0	21.15	21.34	21.27		
40	16QAM	1	1	21.33	21.18	21.38	22.0	0.0
40	16QAM	1	1	21.28	21.25	21.19	22.0	0.0
40	256QAM	1	1	19.23	19.32	19.31	20.0	2.0
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	22.0	0.0
30	QPSK	1	1	21.35	21.34	21.17	22.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2527.5	22.0	0.0
25	QPSK	1	1	21.34	21.35	21.19	22.0	0.0
Channel				502000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	22.0	0.0
20	QPSK	1	1	21.33	21.30	21.16	22.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	22.0	0.0
15	QPSK	1	1	21.34	21.34	21.13	22.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	22.0	0.0
10	QPSK	1	1	21.33	21.32	21.15	22.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	22.0	0.0
5	QPSK	1	1	21.36	21.33	21.18	22.0	0.0

n66 Ant5 Default								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				349000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.66	24.75	24.74		
40	PI/2 BPSK	1	108	24.57	24.69	24.73	25.0	0.0
40	PI/2 BPSK	1	214	24.48	24.69	24.62		
40	PI/2 BPSK	108	0	24.06	24.28	24.22	24.5	0.5
40	PI/2 BPSK	108	54	24.47	24.68	24.55	25.0	0.0
40	PI/2 BPSK	108	108	24.07	24.15	24.18	24.5	0.5
40	PI/2 BPSK	216	0	24.03	24.18	24.16		
40	QPSK	1	1	24.71	24.80	24.66		
40	QPSK	1	108	24.63	24.75	24.74	25.0	0.0
40	QPSK	1	214	24.53	24.58	24.65		
40	QPSK	108	0	23.51	23.53	23.67	24.0	1.0
40	QPSK	108	54	24.58	24.71	24.63	25.0	0.0
40	QPSK	108	108	23.55	23.63	23.58	24.0	1.0
40	QPSK	216	0	23.82	23.68	23.81		
40	16QAM	1	1	23.41	23.50	23.88	24.0	1.0
40	16QAM	1	1	22.08	22.23	22.12	22.5	2.5
40	256QAM	1	1	19.79	19.78	19.84	20.5	4.5
Channel				349000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	25.0	0.0
30	QPSK	1	1	24.67	24.63	24.58	25.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	25.0	0.0
20	QPSK	1	1	24.63	24.72	24.62	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	25.0	0.0
15	QPSK	1	1	24.66	24.65	24.51	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	25.0	0.0
10	QPSK	1	1	24.56	24.68	24.48	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	25.0	0.0
5	QPSK	1	1	24.55	24.74	24.57	25.0	0.0



n38 Ant5 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				519304	519300	519696	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	20.82	20.88	20.90	
40	PI/2 BPSK	1	53	20.92	20.81	20.91	21.5
40	PI/2 BPSK	1	104	20.82	20.99	20.96	
40	PI/2 BPSK	50	0	20.87	20.72	20.89	21.5
40	PI/2 BPSK	50	28	20.80	20.91	20.76	21.5
40	PI/2 BPSK	50	56	20.74	20.80	20.77	21.5
40	PI/2 BPSK	100	0	20.67	20.70	20.66	
40	QPSK	1	1	20.95	21.01	20.96	
40	QPSK	1	53	20.79	20.92	20.84	21.5
40	QPSK	1	104	20.71	20.79	20.76	
40	QPSK	50	0	20.95	20.85	20.97	21.5
40	QPSK	50	28	20.83	20.63	20.79	21.5
40	QPSK	80	56	20.79	20.82	20.75	21.5
40	QPSK	100	0	20.62	20.67	20.77	
40	16QAM	1	1	20.93	20.85	20.79	21.5
40	16QAM	1	1	20.79	20.84	20.80	21.5
40	256QAM	1	1	18.77	18.85	18.69	20.0
Channel				517002	519000	520998	
Frequency (MHz)				2585.01	2595	2604.99	
30	QPSK	1	1	20.85	20.90	20.83	21.5
Channel				516000	519000	522000	
Frequency (MHz)				2570	2595	2610	
20	QPSK	1	1	20.89	20.89	20.70	21.5
Channel				515502	519000	522498	
Frequency (MHz)				2577.51	2595	2612.49	
15	QPSK	1	1	20.79	20.98	20.74	21.5
Channel				515004	519000	522998	
Frequency (MHz)				2575.02	2595	2614.98	
10	QPSK	1	1	20.81	20.98	20.83	21.5

n41 Ant5 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				526202	518998	529200	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	21.27	21.35	21.22	
100	PI/2 BPSK	1	137	21.19	21.38	21.14	22.0
100	PI/2 BPSK	1	271	21.04	21.07	20.94	
100	PI/2 BPSK	135	0	21.30	21.09	21.23	22.0
100	PI/2 BPSK	135	69	21.20	21.25	21.18	22.0
100	PI/2 BPSK	135	138	21.23	21.28	21.19	22.0
100	PI/2 BPSK	270	0	21.04	21.19	21.19	
100	QPSK	1	1	21.28	21.30	21.36	
100	QPSK	1	137	21.20	21.27	21.23	22.0
100	QPSK	1	271	21.00	20.98	21.01	
100	QPSK	135	0	21.23	21.31	21.28	22.0
100	QPSK	135	69	21.32	21.34	21.27	22.0
100	QPSK	135	138	21.05	21.15	21.08	22.0
100	QPSK	270	0	21.18	21.23	21.11	22.0
100	16QAM	1	1	21.19	21.11	21.28	22.0
100	16QAM	1	1	20.81	20.98	20.93	22.0
100	256QAM	1	1	19.05	19.15	19.08	20.0
Channel				526200	518998	529198	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	21.13	21.21	21.23	22.0
Channel				507204	518998	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.24	21.22	21.28	22.0
Channel				506202	518998	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.25	21.30	21.32	22.0
Channel				505200	518998	531998	
Frequency (MHz)				2526	2592.99	2659.99	
60	QPSK	1	1	21.15	21.28	21.27	22.0
Channel				504204	518998	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.25	21.25	21.31	22.0
Channel				503202	518998	533000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.19	21.33	21.29	22.0
Channel				502200	518998	534998	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	1	21.15	21.23	21.23	22.0
Channel				501204	518998	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.11	21.30	21.20	22.0





### PC3 Part270 n77 Ant9 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)				3750	3840	3930		
100	PI2 BPSK	1	1	16.92	17.02	16.98		
100	PI2 BPSK	1	137	16.88	17.01	17.04		0.0
100	PI2 BPSK	1	271	16.84	16.87	16.78		
100	PI2 BPSK	135	0	17.04	16.95	17.00	17.5	0.0
100	PI2 BPSK	135	69	16.88	16.90	16.79	17.5	0.0
100	PI2 BPSK	135	138	16.88	16.95	16.74	17.5	0.0
100	PI2 BPSK	270	0	16.73	16.84	16.81		
100	QPSK	1	1	17.03	17.06	16.89		
100	QPSK	1	137	17.01	16.94	16.84	17.5	0.0
100	QPSK	1	271	16.82	16.79	16.77		
100	QPSK	135	0	16.91	16.95	16.93	17.5	0.0
100	QPSK	135	69	16.97	17.05	17.00	17.5	0.0
100	QPSK	135	138	16.73	16.86	16.88	17.5	0.0
100	QPSK	270	0	16.94	17.03	16.84		
100	16QAM	1	1	16.89	16.94	16.94	17.5	0.0
100	64QAM	1	1	16.76	16.79	16.88	17.5	0.0
100	256QAM	1	1	16.87	16.92	16.90	17.5	0.0
Channel				3745.02	3840	3935.01	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	16.90	17.01	16.84	17.5	0.0
Channel				649334	65000	650968	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.92	16.99	16.84	17.5	0.0
Channel				649000	65000	650000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.88	17.00	16.87	17.5	0.0
Channel				648668	65000	650334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.89	16.97	16.82	17.5	0.0
Channel				648334	65000	650668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.92	16.99	16.87	17.5	0.0
Channel				648000	65000	650000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.92	17.03	16.88	17.5	0.0
Channel				647668	65000	654334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.93	16.99	16.84	17.5	0.0
Channel				647334	65000	654668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.90	17.00	16.86	17.5	0.0
Channel				647168	65000	654834	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3705.02	3840	3975.01		
15	QPSK	1	1	16.93	17.01	16.82	17.5	0.0
Channel				647000	65000	655000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.92	17.01	16.83	17.5	0.0

### PC3 Part270 n77 Ant9 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)				3500.01				
100	PI2 BPSK	1	1		17.12			
100	PI2 BPSK	1	137		17.02		17.5	0.0
100	PI2 BPSK	1	271		16.93			
100	PI2 BPSK	135	0		16.79		17.5	0.0
100	PI2 BPSK	135	69		16.96		17.5	0.0
100	PI2 BPSK	135	138		16.98		17.5	0.0
100	PI2 BPSK	270	0		17.01			
100	QPSK	1	1		17.23			
100	QPSK	1	137		17.08		17.5	0.0
100	QPSK	1	271		16.92			
100	QPSK	135	0		17.03		17.5	0.0
100	QPSK	135	69		17.20		17.5	0.0
100	QPSK	135	138		16.98		17.5	0.0
100	QPSK	270	0		17.01			
100	16QAM	1	1		17.03		17.5	0.0
100	64QAM	1	1		17.08		17.5	0.0
100	256QAM	1	1		16.90		17.5	0.0
Channel				633800	633334	633968	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.98	17.12	17.03	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.96	17.12	17.00	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.96	17.09	16.97	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.95	17.06	17.02	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.98	17.09	17.02	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.94	17.10	16.99	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.98	17.09	16.99	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.93	17.11	16.99	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.99	17.11	17.00	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.95	17.08	16.99	17.5	0.0

### PC3 Part270 n78 Ant9 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)				3750	3760	3750		
100	PI2 BPSK	1	1		16.16			
100	PI2 BPSK	1	137		16.16		20.0	0.0
100	PI2 BPSK	1	271		16.04			
100	PI2 BPSK	135	0		16.07		20.0	0.0
100	PI2 BPSK	135	69		16.05		20.0	0.0
100	PI2 BPSK	135	138		16.04		20.0	0.0
100	PI2 BPSK	270	0		16.15			
100	QPSK	1	1		16.29			
100	QPSK	1	137		16.20		20.0	0.0
100	QPSK	1	271		16.09			
100	QPSK	135	0		16.18		20.0	0.0
100	QPSK	135	69		16.20		20.0	0.0
100	QPSK	135	138		16.13		20.0	0.0
100	QPSK	270	0		16.17			
100	16QAM	1	1		16.12		20.0	0.0
100	64QAM	1	1		16.20		20.0	0.0
100	256QAM	1	1		16.01		20.0	0.0
Channel				648868	65000	650334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.19	16.20	16.19	20.0	0.0
Channel				648334	65000	650968	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.21	16.07	16.00	20.0	0.0
Channel				648000	65000	651000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.12	16.14	16.20	20.0	0.0
Channel				647668	65000	651334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.17	16.11	16.10	20.0	0.0
Channel				648334	65000	651668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.18	16.18	16.08	20.0	0.0
Channel				648000	65000	652000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.18	16.20	16.09	20.0	0.0
Channel				647668	65000	652334	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.07	16.16	16.05	20.0	0.0
Channel				647334	65000	652668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.19	16.08	16.17	20.0	0.0
Channel				647168	65000	652834	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.14	16.10	16.15	20.0	0.0
Channel				647000	65000	653000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.09	16.06	16.18	20.0	0.0



PC2 Part27O n78 Ant9 DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	3750	3750	3750				
100	PI2 BPSK	1	137		21.26		23.0	0.0		
100	PI2 BPSK	1	271		21.02		23.0	0.0		
100	PI2 BPSK	135	69		21.22		23.0	0.0		
100	PI2 BPSK	135	138		21.04		23.0	0.0		
100	PI2 BPSK	270	0		21.05		23.0	0.0		
100	QPSK	1	1	648668	650000	650000				
100	QPSK	1	137		21.18		23.0	0.0		
100	QPSK	1	271		21.07		23.0	0.0		
100	QPSK	135	0		21.03		23.0	0.0		
100	QPSK	135	69		21.27		23.0	0.0		
100	QPSK	135	138		21.04		23.0	0.0		
100	QPSK	270	0		21.19		23.0	0.0		
100	16QAM	1	1		21.07		23.0	0.0		
100	64QAM	1	1		21.06		23.0	0.0		
100	256QAM	1	1		21.07		23.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	648668	650000	650334				
Channel										
Frequency (MHz)										
80	QPSK	1	1	21.17	21.09	21.15	23.0	0.0		
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	3735	3750	3765				
Channel										
Frequency (MHz)										
60	QPSK	1	1	21.11	21.10	21.16	23.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	648668	650000	651334				
Channel										
Frequency (MHz)										
40	QPSK	1	1	3725.01	3750	3775.02				
Channel										
Frequency (MHz)										
40	QPSK	1	1	21.11	21.16	21.14	23.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	647668	650000	652334				
Channel										
Frequency (MHz)										
30	QPSK	1	1	3765.02	3750	3745.01				
Channel										
Frequency (MHz)										
20	QPSK	1	1	21.11	21.09	21.13	23.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	647334	650000	652668				
Channel										
Frequency (MHz)										
10	QPSK	1	1	3710.01	3750	3790.02				
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.10	21.17	21.11	23.0	0.0		

PC3 Part27Q n78 Ant9 DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1		3500.01					
100	PI2 BPSK	1	137		18.12		20.0	0.0		
100	PI2 BPSK	1	271		18.15		20.0	0.0		
100	PI2 BPSK	135	0		18.07		20.0	0.0		
100	PI2 BPSK	135	69		18.08		20.0	0.0		
100	PI2 BPSK	135	138		18.02		20.0	0.0		
100	PI2 BPSK	270	0		18.17		20.0	0.0		
100	QPSK	1	1	633000	633334	633668				
100	QPSK	1	137		18.10		20.0	0.0		
100	QPSK	1	271		18.09		20.0	0.0		
100	QPSK	135	0		18.03		20.0	0.0		
100	QPSK	135	69		18.15		20.0	0.0		
100	QPSK	135	138		18.11		20.0	0.0		
100	QPSK	270	0		18.14		20.0	0.0		
100	16QAM	1	1		18.14		20.0	0.0		
100	64QAM	1	1		18.12		20.0	0.0		
100	256QAM	1	1		18.07		20.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633334	633668				
Channel										
Frequency (MHz)										
80	QPSK	1	1	3495	3500.01	3505.02				
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.15	18.02	18.14	20.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	632334	633334	634334				
Channel										
Frequency (MHz)										
60	QPSK	1	1	3485.01	3500.01	3515.01				
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.17	18.07	18.12	20.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	632000	633334	634668				
Channel										
Frequency (MHz)										
40	QPSK	1	1	3480	3500.01	3520.02				
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.17	18.14	18.10	20.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	631000	633334	635668				
Channel										
Frequency (MHz)										
30	QPSK	1	1	3470.01	3500.01	3530.01				
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.05	18.10	18.09	20.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	630668	633334	636000				
Channel										
Frequency (MHz)										
10	QPSK	1	1	3460.02	3500.01	3540.01				
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.07	18.13	18.16	20.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	630334	633334	636334				
Channel										
Frequency (MHz)										
10	QPSK	1	1	3455.01	3500.01	3545.01				
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.06	18.04	18.10	20.0	0.0		

PC2 Part27Q n78 Ant9 DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1		3500.01					
100	PI2 BPSK	1	137		21.05		23.0			
100	PI2 BPSK	1	271		21.04		23.0			
100	PI2 BPSK	135	0		21.22		23.0			
100	PI2 BPSK	135	69		21.05		23.0			
100	PI2 BPSK	135	138		21.07		23.0			
100	PI2 BPSK	270	0		21.02		23.0			
100	QPSK	1	1	639000	639334	639668				
100	QPSK	1	137		21.21		23.0			
100	QPSK	1	271		21.02		23.0			
100	QPSK	135	0		21.20		23.0			
100	QPSK	135	69		21.12		23.0			
100	QPSK	135	138		21.21		23.0			
100	QPSK	270	0		21.12		23.0			
100	16QAM	1	1		21.18		23.0			
100	64QAM	1	1		21.05		23.0			
100	256QAM	1	1		21.06		23.0			
100	256QAM	1	1		21.18		23.0			
Channel										
Frequency (MHz)										
90	QPSK	1	1	639000	639334	639668				
Channel										
Frequency (MHz)										
80	QPSK	1	1	21.07	21.06	21.02	23.0			
Channel										
Frequency (MHz)										
80	QPSK	1	1	632668	633334	634000				
Channel										
Frequency (MHz)										
70	QPSK	1	1	632000	633334	634668				
Channel										
Frequency (MHz)										
60	QPSK	1	1	3490	3500.01	3520.02				
Channel										
Frequency (MHz)										
60	QPSK	1	1	21.13	21.04	21.07	23.0			
Channel										
Frequency (MHz)										
50	QPSK	1	1	631668	633334	635000				
Channel										
Frequency (MHz)										
50	QPSK	1	1	3475.02	3500.01	3525				
Channel										
Frequency (MHz)										
40	QPSK	1	1	21.07	21.06	21.03	23.0			
Channel										
Frequency (MHz)										
40	QPSK	1	1	631000	633334	635668				
Channel										
Frequency (MHz)										
30	QPSK	1	1	3470.01	3500.01	3530.01				
Channel										
Frequency (MHz)										
30	QPSK	1	1	21.11	21.06	21.02	23.0			
Channel										
Frequency (MHz)										
20	QPSK	1	1	630668	633334	636000				
Channel										
Frequency (MHz)										
20	QPSK	1	1	3460.02	3500.01	3540				
Channel										
Frequency (MHz)										
15	QPSK	1	1	630334	633334	636334				
Channel										
Frequency (MHz)										
15	QPSK	1	1	3455.01	3500.01	3545.01				
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.08	21.12	21.08	23.0			





PC3 Part270 n77 Ant10 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				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	16.11	16.17	16.16			
100	PI2 BPSK	1	137	16.05	16.18	16.13	17.2	0.0	
100	PI2 BPSK	1	271	16.20	16.20	16.19			
100	PI2 BPSK	135	0	16.07	16.19	16.12	17.2	0.0	
100	PI2 BPSK	135	69	16.06	16.18	16.10	17.2	0.0	
100	PI2 BPSK	135	138	16.21	16.15	16.19	17.2	0.0	
100	PI2 BPSK	270	0	16.09	16.14	16.12			
100	QPSK	1	1	16.09	16.32	16.17			
100	QPSK	1	137	16.03	16.18	16.18	17.2	0.0	
100	QPSK	1	271	16.19	16.21	16.18			
100	QPSK	135	0	16.15	16.18	16.12	17.2	0.0	
100	QPSK	135	69	16.08	16.28	16.17	17.2	0.0	
100	QPSK	135	138	16.18	16.23	16.18	17.2	0.0	
100	QPSK	270	0	16.12	16.25	16.15			
100	16QAM	1	1	16.10	16.20	16.12	17.2	0.0	
100	64QAM	1	1	16.07	16.18	16.10	17.2	0.0	
100	256QAM	1	1	16.19	16.20	16.19	17.2	0.0	
Channel				649683	650000	649234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.90	16.09	16.05	17.2	0.0	
Channel				649334	650000	649688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.90	16.11	16.09	17.2	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.89	16.10	16.03	17.2	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.98	16.04	16.08	17.2	0.0	
Channel				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.90	16.09	16.04	17.2	0.0	
Channel				648000	650000	648000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.92	16.08	16.07	17.2	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3925.01			
30	QPSK	1	1	15.90	16.11	16.09	17.2	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.95	16.11	16.04	17.2	0.0	
Channel				647168	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.97	16.11	16.09	17.2	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.95	16.12	16.11	17.2	0.0	

PC3 Part27Q n77 Ant10 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				633334	633334	633334			
Frequency (MHz)						3500.01			
100	PI2 BPSK	1	1			16.57			
100	PI2 BPSK	1	137			16.48		0.0	
100	PI2 BPSK	1	271			16.37			
100	PI2 BPSK	135	0			16.52	17.2	0.0	
100	PI2 BPSK	135	69			16.51	17.2	0.0	
100	PI2 BPSK	135	138			16.41	17.2	0.0	
100	PI2 BPSK	270	0			16.50			
100	QPSK	1	1			16.72			
100	QPSK	1	137			16.55	17.2	0.0	
100	QPSK	1	271			16.51			
100	QPSK	135	0			16.52	17.2	0.0	
100	QPSK	135	69			16.66	17.2	0.0	
100	QPSK	135	138			16.51	17.2	0.0	
100	QPSK	270	0			16.55			
100	16QAM	1	1			16.38	17.2	0.0	
100	64QAM	1	1			16.49	17.2	0.0	
100	256QAM	1	1			16.38	17.2	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.51	16.51	16.50	17.2	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.52	16.49	16.50	17.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.53	16.47	16.55	17.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.47	16.55	16.46	17.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.47	16.50	16.49	17.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.53	16.47	16.55	17.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.51	16.52	16.53	17.2	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.49	16.55	16.48	17.2	0.0	
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.50			
15	QPSK	1	1	16.54	16.47	16.53	17.2	0.0	
Channel				630034	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.54	16.48	16.48	17.2	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	PI2 BPSK	1	1	15.78	15.78	15.78			
100	PI2 BPSK	1	137	15.88	15.88	15.88	17.5	0.0	
100	PI2 BPSK	1	271	16.00	16.00	16.00			
100	PI2 BPSK	135	0	15.98	15.98	15.98	17.5	0.0	
100	PI2 BPSK	135	69	15.54	15.54	15.54	17.5	0.0	
100	PI2 BPSK	135	138	15.53	15.53	15.53	17.5	0.0	
100	PI2 BPSK	270	0	15.85	15.85	15.85			
100	QPSK	1	1	15.92	15.92	15.92	17.5	0.0	
100	QPSK	1	137	15.79	15.79	15.79			
100	QPSK	1	271	15.52	15.52	15.52			
100	QPSK	135	0	15.80	15.80	15.80	17.5	0.0	
100	QPSK	135	69	15.77	15.77	15.77	17.5	0.0	
100	QPSK	135	138	15.67	15.67	15.67	17.5	0.0	
100	QPSK	270	0	15.72	15.72	15.72			
100	16QAM	1	1	15.54	15.54	15.54	17.5	0.0	
100	16QAM	1	1	15.59	15.59	15.59	17.5	0.0	
100	256QAM	1	1	15.83	15.83	15.83	17.5	0.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.73	15.71	15.76	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	15.74	15.65	15.74	17.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.72	15.87	15.70	17.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1	15.68	15.77	15.75	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	15.68	15.76	15.73	17.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.67	15.77	15.72	17.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3735.01			
30	QPSK	1	1	15.79	15.76	15.74	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	15.71	15.75	15.71	17.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	15.74	15.70	15.74	17.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.68	15.73	15.75	17.5	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	PI2 BPSK	1	1	18.05	18.05	18.05			
100	PI2 BPSK	1	137	18.02	18.02	18.02	20.5	0.0	
100	PI2 BPSK	1	271	18.52	18.52	18.52			
100	PI2 BPSK	135	0	18.59	18.59	18.59	20.5	0.0	
100	PI2 BPSK	135	69	18.61	18.61	18.61	20.5	0.0	
100	PI2 BPSK	135	138	18.62	18.62	18.62	20.5	0.0	
100	PI2 BPSK	270	0	18.62	18.62	18.62			
100	QPSK	1	1	18.73	18.73	18.73	20.5	0.0	
100	QPSK	1	137	18.59	18.59	18.59			
100	QPSK	1	271	18.61	18.61	18.61			
100	QPSK	135	0	18.62	18.62	18.62	20.5	0.0	
100	QPSK	135	69	18.67	18.67	18.67	20.5	0.0	
100	QPSK	135	138	18.60	18.60	18.60	20.5	0.0	
100	QPSK	270	0	18.61	18.61	18.61			
100	16QAM	1	1	18.59	18.59	18.59	20.5	0.0	
100	16QAM	1	1	18.62	18.62	18.62	20.5	0.0	
100	256QAM	1	1	18.63	18.63	18.63	20.5	0.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.55	18.55	18.65	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	18.59	18.55	18.54	20.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.64	18.54	18.63	20.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1	18.60	18.63	18.68	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	18.55	18.60	18.56	20.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.68	18.67	18.53	20.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3735.01			
30	QPSK	1	1	18.59	18.54	18.68	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	18.54	18.56	18.68	20.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	18.60	18.67	18.61	20.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.67	18.68	18.67	20.5	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			3500.01		
Frequency (MHz)									
100	PI/2 BPSK	1	1	16.27	16.27	16.27			
100	PI/2 BPSK	1	137	16.21	16.21	16.21	17.5	0.0	
100	PI/2 BPSK	1	271	16.17	16.17	16.17			
100	PI/2 BPSK	135	0	16.08	16.08	16.08	17.5	0.0	
100	PI/2 BPSK	135	69	15.98	15.98	15.98	17.5	0.0	
100	PI/2 BPSK	135	138	15.97	15.97	15.97	17.5	0.0	
100	PI/2 BPSK	270	0	16.17	16.17	16.17			
100	QPSK	1	1	16.38	16.38	16.38			
100	QPSK	1	137	16.28	16.28	16.28	17.5	0.0	
100	QPSK	1	271	15.98	15.98	15.98			
100	QPSK	135	0	16.05	16.05	16.05	17.5	0.0	
100	QPSK	135	69	16.31	16.31	16.31	17.5	0.0	
100	QPSK	135	138	16.17	16.17	16.17			
100	QPSK	270	0	16.28	16.28	16.28	17.5	0.0	
100	16QAM	1	1	16.06	16.06	16.06	17.5	0.0	
100	64QAM	1	1	16.05	16.05	16.05	17.5	0.0	
100	256QAM	1	1	16.18	16.18	16.18	17.5	0.0	
Channel				633090			633668		
Frequency (MHz)									
90	QPSK	1	1	15.73	15.71	15.76	17.5	0.0	
Channel				632668			634000		
Frequency (MHz)									
80	QPSK	1	1	15.70	15.65	15.74	17.5	0.0	
Channel				632334			634334		
Frequency (MHz)									
70	QPSK	1	1	15.72	15.67	15.70	17.5	0.0	
Channel				632000			634668		
Frequency (MHz)									
60	QPSK	1	1	15.68	15.77	15.75	17.5	0.0	
Channel				631668			635000		
Frequency (MHz)									
50	QPSK	1	1	15.66	15.78	15.73	17.5	0.0	
Channel				631334			635334		
Frequency (MHz)									
40	QPSK	1	1	15.67	15.77	15.72	17.5	0.0	
Channel				631000			635668		
Frequency (MHz)									
30	QPSK	1	1	15.70	15.70	15.74	17.5	0.0	
Channel				630668			636000		
Frequency (MHz)									
20	QPSK	1	1	15.71	15.75	15.71	17.5	0.0	
Channel				630500			636168		
Frequency (MHz)									
15	QPSK	1	1	15.74	15.70	15.74	17.5	0.0	
Channel				630334			636334		
Frequency (MHz)									
10	QPSK	1	1	15.66	15.73	15.75	17.5	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			3500.01		
Frequency (MHz)									
100	PI/2 BPSK	1	1	16.27	16.27	16.27			
100	PI/2 BPSK	1	137	16.21	16.21	16.21	20.5	0.0	
100	PI/2 BPSK	1	271	16.18	16.18	16.18			
100	PI/2 BPSK	135	0	16.08	16.08	16.08	20.5	0.0	
100	PI/2 BPSK	135	69	16.04	16.04	16.04	20.5	0.0	
100	PI/2 BPSK	135	138	16.14	16.14	16.14	20.5	0.0	
100	PI/2 BPSK	270	0	16.04	16.04	16.04			
100	QPSK	1	1	16.23	16.23	16.23			
100	QPSK	1	137	16.18	16.18	16.18	20.5	0.0	
100	QPSK	1	271	16.15	16.15	16.15			
100	QPSK	135	0	16.01	16.01	16.01	20.5	0.0	
100	QPSK	135	69	16.20	16.20	16.20	20.5	0.0	
100	QPSK	135	138	16.15	16.15	16.15			
100	QPSK	270	0	16.16	16.16	16.16	20.5	0.0	
100	16QAM	1	1	16.11	16.11	16.11	20.5	0.0	
100	64QAM	1	1	16.08	16.08	16.08	20.5	0.0	
100	256QAM	1	1	16.02	16.02	16.02	20.5	0.0	
Channel				633090			633668		
Frequency (MHz)									
90	QPSK	1	1	16.11	16.11	16.99	20.5	0.0	
Channel				632668			634000		
Frequency (MHz)									
80	QPSK	1	1	16.11	16.09	16.07	20.5	0.0	
Channel				632334			634334		
Frequency (MHz)									
70	QPSK	1	1	16.02	16.08	16.00	20.5	0.0	
Channel				632000			634668		
Frequency (MHz)									
60	QPSK	1	1	16.10	16.05	16.99	20.5	0.0	
Channel				631668			635000		
Frequency (MHz)									
50	QPSK	1	1	16.10	16.09	16.04	20.5	0.0	
Channel				631334			635334		
Frequency (MHz)									
40	QPSK	1	1	16.98	16.10	16.00	20.5	0.0	
Channel				631000			635668		
Frequency (MHz)									
30	QPSK	1	1	16.09	16.09	16.99	20.5	0.0	
Channel				630668			636000		
Frequency (MHz)									
20	QPSK	1	1	16.01	16.10	16.06	20.5	0.0	
Channel				630500			636168		
Frequency (MHz)									
15	QPSK	1	1	16.99	16.99	16.09	20.5	0.0	
Channel				630334			636334		
Frequency (MHz)									
10	QPSK	1	1	16.98	16.05	16.01	20.5	0.0	



PC3 Part270 n77 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3760	3840	3930			
100	PI2 BPSK	1	1	19.29	19.39	19.32			
100	PI2 BPSK	1	137	19.38	19.13	19.32	20.2	0.0	
100	PI2 BPSK	1	271	19.25	19.09	19.36			
100	PI2 BPSK	135	0	19.24	19.17	19.19	20.2	0.0	
100	PI2 BPSK	135	69	19.13	19.31	19.18	20.2	0.0	
100	PI2 BPSK	135	138	19.22	19.16	19.09	20.2	0.0	
100	PI2 BPSK	270	0	19.08	19.06	19.25			
100	QPSK	1	1	19.37	19.42	19.22			
100	QPSK	1	137	19.22	19.36	19.28	20.2	0.0	
100	QPSK	1	271	19.08	19.24	19.13			
100	QPSK	135	0	19.22	19.17	19.25	20.2	0.0	
100	QPSK	135	69	19.38	19.38	19.31	20.2	0.0	
100	QPSK	135	138	19.31	19.27	19.16	20.2	0.0	
100	QPSK	270	0	19.25	19.32	19.28			
100	16QAM	1	1	19.21	19.22	19.19	20.2	0.0	
100	16QAM	1	1	19.20	19.11	19.20	20.2	0.0	
100	256QAM	1	1	19.28	19.18	19.26	20.2	0.0	
Channel				643683	650000	642334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3835.91			
90	QPSK	1	1	19.21	19.28	19.12	20.2	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3840.02			
80	QPSK	1	1	19.20	19.38	19.06	20.2	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3845			
70	QPSK	1	1	19.23	19.29	19.13	20.2	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3850.01			
60	QPSK	1	1	19.34	19.35	19.18	20.2	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3855.02			
50	QPSK	1	1	19.24	19.32	19.07	20.2	0.0	
Channel				645000	650000	645000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3860			
40	QPSK	1	1	19.31	19.34	19.14	20.2	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3835.01			
30	QPSK	1	1	19.22	19.30	19.12	20.2	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3870.02			
20	QPSK	1	1	19.23	19.25	19.17	20.2	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3872.51			
15	QPSK	1	1	19.27	19.38	19.08	20.2	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3875			
10	QPSK	1	1	19.35	19.32	19.07	20.2	0.0	

PC3 Part27Q n77 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	19.28					
100	PI2 BPSK	1	137	19.22			20.2	0.0	
100	PI2 BPSK	1	271	19.19					
100	PI2 BPSK	135	0	19.12			20.2	0.0	
100	PI2 BPSK	135	69	19.18			20.2	0.0	
100	PI2 BPSK	135	138	19.19			20.2	0.0	
100	PI2 BPSK	270	0	19.13					
100	QPSK	1	1	19.36					
100	QPSK	1	137	19.31			20.2	0.0	
100	QPSK	1	271	19.16					
100	QPSK	135	0	19.27			20.2	0.0	
100	QPSK	135	69	19.34			20.2	0.0	
100	QPSK	135	138	19.26			20.2	0.0	
100	QPSK	270	0	19.29					
100	16QAM	1	1	19.25			20.2	0.0	
100	16QAM	1	1	19.21			20.2	0.0	
100	256QAM	1	1	19.19			20.2	0.0	
Channel				633668	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.21	19.28	19.27	20.2	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	19.22	19.23	20.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.27	19.23	19.22	20.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.31	19.31	19.22	20.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.23	19.18	19.30	20.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.31	19.30	19.31	20.2	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	19.21	19.20	20.2	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.24	19.18	19.25	20.2	0.0	
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3542.50			
15	QPSK	1	1	19.30	19.26	19.29	20.2	0.0	
Channel				630034	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.01			
10	QPSK	1	1	19.30	19.33	19.18	20.2	0.0	



PC3 Part270 n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	19.40	19.40	19.40			
100	PI2 BPSK	1	137	19.34	19.34	19.34	20.5	0.0	
100	PI2 BPSK	1	271	19.32	19.32	19.32	20.5	0.0	
100	PI2 BPSK	135	0	19.16	19.16	19.16	20.5	0.0	
100	PI2 BPSK	135	69	19.24	19.24	19.24	20.5	0.0	
100	PI2 BPSK	135	138	19.28	19.28	19.28	20.5	0.0	
100	PI2 BPSK	270	0	19.30	19.30	19.30	20.5	0.0	
100	QPSK	1	1	19.45	19.45	19.45			
100	QPSK	1	137	19.42	19.42	19.42	20.5	0.0	
100	QPSK	1	271	19.30	19.30	19.30	20.5	0.0	
100	QPSK	135	0	19.32	19.32	19.32	20.5	0.0	
100	QPSK	135	69	19.38	19.38	19.38	20.5	0.0	
100	QPSK	135	138	19.23	19.23	19.23	20.5	0.0	
100	QPSK	270	0	19.30	19.30	19.30	20.5	0.0	
100	16QAM	1	1	19.38	19.38	19.38	20.5	0.0	
100	64QAM	1	1	19.34	19.34	19.34	20.5	0.0	
100	256QAM	1	1	19.23	19.23	19.23	20.5	0.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	19.30	19.38	19.41	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	19.33	19.34	19.34	20.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.43	19.40	19.35	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	19.35	19.35	19.33	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	19.28	19.38	19.27	20.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.33	19.38	19.37	20.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3735.01			
30	QPSK	1	1	19.36	19.33	19.42	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	19.35	19.37	19.34	20.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	19.39	19.31	19.28	20.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	19.38	19.28	19.32	20.5	0.0	

PC2 Part270 n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	22.04	22.04	22.04			
100	PI2 BPSK	1	137	22.39	22.39	22.39	23.5	0.0	
100	PI2 BPSK	1	271	22.44	22.44	22.44	23.5	0.0	
100	PI2 BPSK	135	0	22.59	22.59	22.59	23.5	0.0	
100	PI2 BPSK	135	69	22.50	22.50	22.50	23.5	0.0	
100	PI2 BPSK	135	138	22.42	22.42	22.42	23.5	0.0	
100	PI2 BPSK	270	0	22.39	22.39	22.39	23.5	0.0	
100	QPSK	1	1	22.57	22.57	22.57			
100	QPSK	1	137	22.53	22.53	22.53	23.5	0.0	
100	QPSK	1	271	22.50	22.50	22.50	23.5	0.0	
100	QPSK	135	0	22.55	22.55	22.55	23.5	0.0	
100	QPSK	135	69	22.65	22.65	22.65	23.5	0.0	
100	QPSK	135	138	22.52	22.52	22.52	23.5	0.0	
100	QPSK	270	0	22.56	22.56	22.56	23.5	0.0	
100	16QAM	1	1	22.42	22.42	22.42	23.5	0.0	
100	64QAM	1	1	22.51	22.51	22.51	23.5	0.0	
100	256QAM	1	1	21.39	21.39	21.39	22.5	1.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.32	22.35	22.34	23.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.42	22.39	22.39	23.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.51	22.43	22.56	23.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	22.44	22.47	22.38	23.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.52	22.52	22.39	23.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.37	22.46	22.48	23.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3735.01			
30	QPSK	1	1	22.51	22.45	22.57	23.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.51	22.47	22.39	23.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	22.38	22.37	22.48	23.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.31	22.55	22.40	23.5	0.0	





PC3 Part27Q n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			3500.01		
Frequency (MHz)									
100	PI/2 BPSK	1	1	19.58					
100	PI/2 BPSK	1	137	19.45			20.5	0.0	
100	PI/2 BPSK	1	271	19.49					
100	PI/2 BPSK	135	0	19.51			20.5	0.0	
100	PI/2 BPSK	135	69	19.49			20.5	0.0	
100	PI/2 BPSK	135	138	19.45			20.5	0.0	
100	PI/2 BPSK	270	0	19.34					
100	QPSK	1	1	19.63					
100	QPSK	1	137	19.58			20.5	0.0	
100	QPSK	1	271	19.52					
100	QPSK	135	0	19.60			20.5	0.0	
100	QPSK	135	69	19.62			20.5	0.0	
100	QPSK	135	138	19.45			20.5	0.0	
100	QPSK	270	0	19.58					
100	16QAM	1	1	19.46			20.5	0.0	
100	64QAM	1	1	19.39			20.5	0.0	
100	256QAM	1	1	19.27			20.5	0.0	
Channel				633090	633334	633668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
90	QPSK	1	1	19.55	19.58	19.60	20.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
80	QPSK	1	1	19.50	19.51	19.53	20.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
70	QPSK	1	1	19.60	19.46	19.60	20.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
60	QPSK	1	1	19.48	19.58	19.46	20.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
50	QPSK	1	1	19.50	19.49	19.56	20.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
40	QPSK	1	1	19.58	19.61	19.47	20.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
30	QPSK	1	1	19.46	19.53	19.58	20.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
20	QPSK	1	1	19.48	19.58	19.47	20.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
15	QPSK	1	1	19.53	19.49	19.47	20.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
10	QPSK	1	1	19.57	19.64	19.49	20.5	0.0	

PC2 Part27Q n78 Ant11 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			3500.01		
Frequency (MHz)									
100	PI/2 BPSK	1	1	22.57					
100	PI/2 BPSK	1	137	22.47			23.5	0.0	
100	PI/2 BPSK	1	271	22.50					
100	PI/2 BPSK	135	0	22.52			23.5	0.0	
100	PI/2 BPSK	135	69	22.47			23.5	0.0	
100	PI/2 BPSK	135	138	22.44			23.5	0.0	
100	PI/2 BPSK	270	0	22.33					
100	QPSK	1	1	22.61					
100	QPSK	1	137	22.58			23.5	0.0	
100	QPSK	1	271	22.50					
100	QPSK	135	0	22.56			23.5	0.0	
100	QPSK	135	69	22.60			23.5	0.0	
100	QPSK	135	138	22.48			23.5	0.0	
100	QPSK	270	0	22.59					
100	16QAM	1	1	22.46			23.5	0.0	
100	64QAM	1	1	22.38			23.5	0.0	
100	256QAM	1	1	21.29			22.5	1.0	
Channel				633090	633334	633668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
90	QPSK	1	1	22.41	22.46	22.43	23.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
80	QPSK	1	1	22.43	22.46	22.44	23.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
70	QPSK	1	1	22.42	22.47	22.45	23.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
60	QPSK	1	1	22.44	22.45	22.43	23.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
50	QPSK	1	1	22.43	22.46	22.44	23.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
40	QPSK	1	1	22.42	22.46	22.44	23.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
30	QPSK	1	1	22.40	22.45	22.45	23.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
20	QPSK	1	1	22.43	22.45	22.47	23.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
15	QPSK	1	1	22.43	22.47	22.43	23.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
10	QPSK	1	1	22.42	22.48	22.45	23.5	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				168800	167300	167600			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.79	24.87	24.85			
20	PI2 BPSK	1	53	24.84	24.89	24.82	25.5	0.0	
20	PI2 BPSK	1	104	24.77	24.79	24.85			
20	PI2 BPSK	50	0	24.19	24.46	24.25	25.0	0.5	
20	PI2 BPSK	50	28	24.67	24.83	24.71	25.5	0.0	
20	PI2 BPSK	50	56	24.02	24.27	24.12	25.0	0.5	
20	PI2 BPSK	100	0	24.37	24.38	24.28			
20	QPSK	1	1	24.94	24.98	24.85			
20	QPSK	1	53	24.79	24.86	24.70	25.5	0.0	
20	QPSK	1	104	24.61	24.79	24.65			
20	QPSK	50	0	23.71	23.73	23.76	24.5	1.0	
20	QPSK	50	28	24.82	24.90	24.74	25.5	0.0	
20	QPSK	50	56	23.75	23.81	23.73	24.5	1.0	
20	QPSK	100	0	23.73	23.55	23.66			
20	16QAM	1	1	23.69	23.88	23.75	24.5	1.0	
20	64QAM	1	1	22.32	22.41	22.16	23.0	2.5	
20	256QAM	1	1	20.68	20.71	20.55	21.0	4.5	
Channel				168300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.91	24.83	24.80	25.5	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				832	836.5	841			
10	QPSK	1	1	24.79	24.81	24.77	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	24.92	24.87	24.81	25.5	0.0	

n7 Ant0 Default DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	23.35	23.43	23.25			
40	PI2 BPSK	1	108	23.44	23.40	23.31	24.0	0.0	
40	PI2 BPSK	1	214	23.23	23.30	23.10			
40	PI2 BPSK	108	0	22.81	22.85	22.90	23.5	0.5	
40	PI2 BPSK	108	54	23.00	23.30	23.03	24.0	0.0	
40	PI2 BPSK	108	108	22.79	22.77	22.69	23.5	0.5	
40	PI2 BPSK	216	0	22.68	22.76	22.64			
40	QPSK	1	1	23.22	23.47	23.35			
40	QPSK	1	108	23.07	23.25	23.24	24.0	0.0	
40	QPSK	1	214	23.24	23.11	23.22			
40	QPSK	108	0	22.16	22.31	22.11	23.0	1.0	
40	QPSK	108	54	23.02	23.20	22.99	24.0	0.0	
40	QPSK	108	108	22.04	22.25	22.18	23.0	1.0	
40	QPSK	216	0	22.22	22.26	22.16			
40	16QAM	1	1	22.16	22.11	21.94	23.0	1.0	
40	64QAM	1	1	20.44	20.68	20.58	21.5	2.5	
40	256QAM	1	1	18.38	18.38	18.42	19.5	4.5	
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.11	23.33	23.22	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	23.18	23.29	23.31	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.10	23.37	23.24	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	23.20	23.39	23.27	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.10	23.30	23.30	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	23.14	23.44	23.30	24.0	0.0	

n66 Ant0 Default DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.81	22.94	22.85			
40	PI2 BPSK	1	108	22.83	22.91	22.88	23.5	0.0	
40	PI2 BPSK	1	214	22.71	22.92	22.84			
40	PI2 BPSK	108	0	22.28	22.41	22.19	23.0	0.5	
40	PI2 BPSK	108	54	22.86	23.00	22.85	23.5	0.0	
40	PI2 BPSK	108	108	22.33	22.38	22.30	23.0	0.5	
40	PI2 BPSK	216	0	22.34	22.42	22.24			
40	QPSK	1	1	22.78	23.03	22.97			
40	QPSK	1	108	22.77	22.88	22.74	23.5	0.0	
40	QPSK	1	214	22.67	22.73	22.60			
40	QPSK	108	0	21.65	21.84	21.85	22.5	1.0	
40	QPSK	108	54	22.84	23.02	22.82	23.5	0.0	
40	QPSK	108	108	21.69	21.84	21.77	22.5	1.0	
40	QPSK	216	0	21.92	22.06	21.88			
40	16QAM	1	1	21.88	21.94	21.89	22.5	1.0	
40	64QAM	1	1	20.36	20.30	20.29	21.0	2.5	
40	256QAM	1	1	18.66	18.74	18.74	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.67	22.86	22.86	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.74	22.94	22.84	23.5	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.67	22.89	22.89	23.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1765			
10	QPSK	1	1	22.72	22.85	22.89	#REF!	0.0	
Channel				341500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.61	22.97	22.87	23.5	0.0	



### n38 Ant0 Default 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				51804	51800	51998		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	23.13	23.21	23.19		
40	PI2 BPSK	1	53	23.11	23.14	23.10	24.0	0.0
40	PI2 BPSK	1	164	22.91	23.13	22.94		
40	PI2 BPSK	50	0	22.82	22.86	22.55	23.5	0.5
40	PI2 BPSK	50	28	23.02	23.22	22.96	24.0	0.0
40	PI2 BPSK	50	58	22.53	22.59	22.57	23.5	0.5
40	PI2 BPSK	100	0	22.55	22.79	22.53		
40	QPSK	1	1	23.15	23.24	23.22		
40	QPSK	1	53	22.93	23.00	22.96	24.0	0.0
40	QPSK	1	164	22.92	23.12	22.94		
40	QPSK	50	0	22.08	22.13	22.02	23.0	1.0
40	QPSK	50	28	23.04	23.17	23.03	24.0	0.0
40	QPSK	50	58	22.07	22.12	22.18	23.0	1.0
40	QPSK	100	0	22.17	22.25	22.15		
40	16QAM	1	1	22.00	22.35	22.22	23.0	1.0
40	16QAM	1	1	20.37	20.59	20.39	21.5	2.5
40	256QAM	1	1	18.37	18.32	18.33	19.5	4.5
Channel				51702	51800	52098		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.08	23.20	23.12	24.0	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2290	2295	2310		
20	QPSK	1	1	22.99	23.14	23.16	24.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.11	23.07	23.19	24.0	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.98	23.18	23.11	24.0	0.0

### n41 Ant0 Default 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				52602	518598	52900		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.79	22.93	22.87		
100	PI2 BPSK	1	137	22.82	22.85	22.85	24.0	0.0
100	PI2 BPSK	1	271	22.74	22.91	22.80		
100	PI2 BPSK	135	0	22.35	22.45	22.31	23.5	0.5
100	PI2 BPSK	135	69	22.79	22.93	22.96	24.0	0.0
100	PI2 BPSK	135	138	22.34	22.48	22.39	23.5	0.5
100	PI2 BPSK	270	0	22.31	22.46	22.30		
100	QPSK	1	1	22.88	22.98	22.96		
100	QPSK	1	137	22.85	22.91	22.89	24.0	0.0
100	QPSK	1	271	22.78	22.80	22.78		
100	QPSK	135	0	21.70	21.88	21.52	23.0	1.0
100	QPSK	135	69	22.91	22.93	22.87	24.0	0.0
100	QPSK	135	138	21.84	21.77	21.78	23.0	1.0
100	QPSK	270	0	21.67	21.80	21.61		
100	16QAM	1	1	21.88	22.05	21.83	23.0	1.0
100	16QAM	1	1	20.44	20.37	20.35	21.5	2.5
100	256QAM	1	1	18.32	18.39	18.13	19.5	4.5
Channel				526020	518598	529596		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.70	22.95	22.77	24.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.71	22.92	22.87	24.0	0.0
Channel				505202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.71	22.90	22.84	24.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	22.78	22.83	22.91	24.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.81	22.84	22.82	24.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.72	22.90	22.87	24.0	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2211	2292.99	2314.98		
30	QPSK	1	1	22.71	22.93	22.85	24.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.77	22.88	22.93	24.0	0.0

### PC3 Part270 n77 Ant0 Default 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				659000	659000	663000		
Frequency (MHz)				3760	3840	3930		
100	PI2 BPSK	1	1	22.88	22.95	22.90		
100	PI2 BPSK	1	137	22.82	22.83	22.78	24.0	0.0
100	PI2 BPSK	1	271	22.81	22.92	22.87		
100	PI2 BPSK	135	0	22.32	22.44	22.16	23.5	0.5
100	PI2 BPSK	135	69	22.85	22.89	22.81	24.0	0.0
100	PI2 BPSK	135	138	21.88	22.18	22.17	23.5	0.5
100	PI2 BPSK	270	0	22.17	22.28	22.16		
100	QPSK	1	1	22.92	22.99	22.96		
100	QPSK	1	137	22.90	22.93	22.84	24.0	0.0
100	QPSK	1	271	22.81	22.85	22.77		
100	QPSK	135	0	21.77	21.80	21.78	23.0	1.0
100	QPSK	135	69	22.87	22.91	22.82	24.0	0.0
100	QPSK	135	138	21.45	21.65	21.66	23.0	1.0
100	QPSK	270	0	21.61	21.82	21.62		
100	16QAM	1	1	21.65	21.67	21.65	23.0	1.0
100	16QAM	1	1	20.32	20.30	20.09	21.5	2.5
100	256QAM	1	1	18.13	18.20	18.14	19.5	4.5
Channel				64998	65000	66234		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.75	22.87	22.85	24.0	0.0
Channel				648334	650000	662998		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.89	22.94	22.93	24.0	0.0
Channel				646900	650000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.88	22.93	22.85	24.0	0.0
Channel				646688	650000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.85	22.91	22.92	24.0	0.0
Channel				646334	650000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.88	22.81	22.85	24.0	0.0
Channel				645000	650000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.83	22.86	22.84	24.0	0.0
Channel				647688	650000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.79	22.97	22.92	24.0	0.0
Channel				647334	650000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.87	22.84	22.92	24.0	0.0
Channel				647188	650000	664834		
Frequency (MHz)				3705.02	3840	3975.01		
15	QPSK	1	1	22.98	22.96	22.84	24.0	0.0
Channel				647000	650000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.82	22.83	22.83	24.0	0.0



**PC3 Part27Q n77 Ant0 Default DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	23.05				
100	PI/2 BPSK	1	137	22.95			24.0	0.0
100	PI/2 BPSK	1	271	22.99				
100	PI/2 BPSK	135	0	22.43			23.5	0.5
100	PI/2 BPSK	135	69	22.82			24.0	0.0
100	PI/2 BPSK	135	138	22.45			23.5	0.5
100	PI/2 BPSK	270	0	22.55				
100	QPSK	1	1	23.06				
100	QPSK	1	137	23.01			24.0	0.0
100	QPSK	1	271	22.91				
100	QPSK	135	0	21.98			23.0	1.0
100	QPSK	135	69	23.08			24.0	0.0
100	QPSK	135	138	21.82			23.0	1.0
100	QPSK	270	0	22.07				
100	16QAM	1	1	21.96			23.0	1.0
100	64QAM	1	1	20.58			21.5	2.5
100	256QAM	1	1	18.49			19.5	4.5
Channel								
Frequency (MHz)				633090	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.02	22.97	23.07	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.93	23.02	23.03	24.0	0.0
Channel								
Frequency (MHz)				632234	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.97	22.95	22.92	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.95	22.92	22.93	24.0	0.0
Channel								
Frequency (MHz)				631688	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.01	23.05	23.05	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.04	22.99	22.94	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.93	22.98	23.01	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.00	22.93	23.02	24.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	23.02	22.98	22.99	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.94	23.03	23.05	24.0	0.0

**PC3 Part270 n78 Ant0 Default DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750			3750	3750
100	PI/2 BPSK	1	1	20.74				
100	PI/2 BPSK	1	137	20.70			22.0	0.0
100	PI/2 BPSK	1	271	20.63				
100	PI/2 BPSK	135	0	20.62			22.0	0.0
100	PI/2 BPSK	135	69	20.62			22.0	0.0
100	PI/2 BPSK	135	138	20.73			22.0	0.0
100	PI/2 BPSK	270	0	20.64				
100	QPSK	1	1	20.79				
100	QPSK	1	137	20.63			22.0	0.0
100	QPSK	1	271	20.65				
100	QPSK	135	0	20.69			22.0	0.0
100	QPSK	135	69	20.71			22.0	0.0
100	QPSK	135	138	20.60			22.0	0.0
100	QPSK	270	0	20.68				
100	16QAM	1	1	20.70			22.0	0.0
100	64QAM	1	1	19.63			20.5	1.5
100	256QAM	1	1	17.63			18.5	3.5
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.72	20.75	20.84	22.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.65	20.72	20.73	22.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.73	20.70	20.71	22.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.68	20.66	20.65	22.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.74	20.65	20.68	22.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.61	20.62	20.62	22.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.65	20.70	20.69	22.0	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.66	20.73	20.76	22.0	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.02	3750	3795.01		
15	QPSK	1	1	20.62	20.63	20.64	22.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.67	20.64	20.69	22.0	0.0



### PC2 Part270 n78 Ant0 Default DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	23.64	23.64	23.64		
100	PI2 BPSK	1	137	23.53	23.53	23.53	25.0	0.0
100	PI2 BPSK	1	271	23.52	23.52	23.52		
100	PI2 BPSK	135	0	23.08	23.08	23.08	24.5	0.5
100	PI2 BPSK	135	69	23.50	23.50	23.50	25.0	0.0
100	PI2 BPSK	135	138	22.94	22.94	22.94	24.5	0.5
100	PI2 BPSK	270	0	23.06	23.06	23.06		
100	QPSK	1	1	23.69	23.69	23.69	25.0	0.0
100	QPSK	1	137	23.55	23.55	23.55		
100	QPSK	1	271	23.43	23.43	23.43		
100	QPSK	135	0	23.40	23.40	23.40	24.0	1.0
100	QPSK	135	69	23.61	23.61	23.61	25.0	0.0
100	QPSK	135	138	22.53	22.53	22.53	24.0	1.0
100	QPSK	270	0	22.48	22.48	22.48		
100	16QAM	1	1	22.41	22.41	22.41	24.0	1.0
100	16QAM	1	1	20.83	20.83	20.83	22.5	2.5
100	256QAM	1	1	18.88	18.88	18.88	20.5	4.5
Channel								
Frequency (MHz)				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.51	23.55	23.53	25.0	0.0
Channel								
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.58	23.64	23.59	25.0	0.0
Channel								
Frequency (MHz)				64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745	3750	3765		
70	QPSK	1	1	23.57	23.52	23.55	25.0	0.0
Channel								
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.02	3750	3750.01		
60	QPSK	1	1	23.52	23.62	23.65	25.0	0.0
Channel								
Frequency (MHz)				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.58	23.63	23.60	25.0	0.0
Channel								
Frequency (MHz)				64768	65000	65200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.64	23.60	23.58	25.0	0.0
Channel								
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.67	23.66	23.61	25.0	0.0
Channel								
Frequency (MHz)				64734	65000	65268	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.64	23.61	23.65	25.0	0.0
Channel								
Frequency (MHz)				64718	65000	65294	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3795.01		
15	QPSK	1	1	23.58	23.64	23.52	25.0	0.0
Channel								
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.53	23.58	23.63	25.0	0.0

### PC3 Part27Q n78 Ant0 Default DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	20.98	20.98	20.98		
100	PI2 BPSK	1	137	20.88	20.88	20.88	22.0	0.0
100	PI2 BPSK	1	271	20.93	20.93	20.93		
100	PI2 BPSK	135	0	20.92	20.92	20.92	22.0	0.0
100	PI2 BPSK	135	69	20.99	20.99	20.99	22.0	0.0
100	PI2 BPSK	135	138	20.80	20.80	20.80	22.0	0.0
100	PI2 BPSK	270	0	20.82	20.82	20.82		
100	QPSK	1	1	21.02	21.02	21.02	22.0	0.0
100	QPSK	1	137	20.92	20.92	20.92		
100	QPSK	1	271	20.87	20.87	20.87		
100	QPSK	135	0	20.96	20.96	20.96	22.0	0.0
100	QPSK	135	69	21.01	21.01	21.01	22.0	0.0
100	QPSK	135	138	20.92	20.92	20.92	22.0	0.0
100	QPSK	270	0	20.94	20.94	20.94		
100	16QAM	1	1	20.87	20.87	20.87	22.0	0.0
100	16QAM	1	1	19.81	19.81	19.81	20.5	1.5
100	256QAM	1	1	17.82	17.82	17.82	18.5	3.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.99	20.95	21.00	22.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.99	20.88	20.98	22.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.95	21.00	20.97	22.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.87	20.95	20.99	22.0	0.0
Channel								
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.86	20.91	20.86	22.0	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.90	20.99	20.93	22.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.92	20.92	20.95	22.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.98	20.89	20.93	22.0	0.0
Channel								
Frequency (MHz)				63050	63334	63618	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.99	20.98	20.92	22.0	0.0
Channel								
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.89	20.85	21.00	22.0	0.0

### PC2 Part27Q n78 Ant0 Default DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	24.04	24.04	24.04		
100	PI2 BPSK	1	137	23.90	23.90	23.90	25.0	0.0
100	PI2 BPSK	1	271	23.99	23.99	23.99		
100	PI2 BPSK	135	0	23.48	23.48	23.48	24.5	0.5
100	PI2 BPSK	135	69	23.90	23.90	23.90	25.0	0.0
100	PI2 BPSK	135	138	23.59	23.59	23.59	24.5	0.5
100	PI2 BPSK	270	0	23.54	23.54	23.54		
100	QPSK	1	1	24.06	24.06	24.06	25.0	0.0
100	QPSK	1	137	24.02	24.02	24.02	25.0	0.0
100	QPSK	1	271	23.99	23.99	23.99		
100	QPSK	135	0	22.92	22.92	22.92	24.0	1.0
100	QPSK	135	69	23.94	23.94	23.94	25.0	0.0
100	QPSK	135	138	23.07	23.07	23.07	24.0	1.0
100	QPSK	270	0	23.10	23.10	23.10		
100	16QAM	1	1	22.82	22.82	22.82	24.0	1.0
100	16QAM	1	1	21.37	21.37	21.37	22.5	2.5
100	256QAM	1	1	19.37	19.37	19.37	20.5	4.5
Channel								
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.05	24.06	23.96	25.0	0.0
Channel								
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.01	23.97	24.02	25.0	0.0
Channel								
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.00	24.05	24.05	25.0	0.0
Channel								
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.02	24.02	24.03	25.0	0.0
Channel								
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.98	23.91	24.05	25.0	0.0
Channel								
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.92	24.02	24.03	25.0	0.0
Channel								
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.00	23.95	23.90	25.0	0.0
Channel								
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.06	23.93	23.98	25.0	0.0
Channel								



n5 Ant1 DSI4									
Band	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
20	Channel				166800	167300	167800		
	Frequency (MHz)				834	836.5	839		
		Pi/2 BPSK	1	1	23.05	23.07	23.19		
		Pi/2 BPSK	1	53	23.16	23.14	22.94	24.0	0.0
		Pi/2 BPSK	1	104	22.80	22.99	22.96		
		Pi/2 BPSK	50	0	23.18	23.25	23.01	24.0	0.0
		Pi/2 BPSK	50	28	23.02	23.14	22.94	24.0	0.0
		Pi/2 BPSK	50	56	23.32	23.11	22.97	24.0	0.0
		Pi/2 BPSK	100	0	23.24	23.38	23.18		
		QPSK	1	1	22.96	23.45	23.06		
	QPSK	1	53	22.87	22.86	22.80	24.0	0.0	
	QPSK	1	104	23.09	23.15	23.19			
	QPSK	50	0	23.12	23.10	22.86	24.0	0.0	
	QPSK	50	28	23.06	23.24	22.91	24.0	0.0	
	QPSK	50	56	23.06	23.17	23.17	24.0	0.0	
	QPSK	100	0	23.13	23.23	23.04			
	16QAM	1	1	23.27	23.37	23.17	24.0	0.0	
	64QAM	1	1	21.84	21.93	21.76	22.5	1.5	
	256QAM	1	1	20.14	20.03	20.01	20.5	3.5	
15	Channel				165300	167300	168800		
	Frequency (MHz)				831.5	836.5	841.5		
		QPSK	1	1	23.06	23.13	22.93	24.0	0.0
	Channel				166800	167300	168800		
	Frequency (MHz)				830	836.5	844		
		QPSK	1	1	23.19	22.95	22.93	24.0	0.0
	Channel				165300	167300	169300		
	Frequency (MHz)				826.5	836.5	846.5		
		QPSK	1	1	23.03	22.99	22.96	24.0	0.0
	10	Channel				165300	167300	169300	
Frequency (MHz)				826.5	836.5	846.5			
5	Channel				165300	167300	169300		
	Frequency (MHz)				826.5	836.5	846.5		



n7 Ant3 Default DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 502000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 510000	Tune-up limit (dBm)	MPR (dB)
Channel				2530	2535	2550		
Frequency (MHz)				2530	2535	2550		
40	PI/2 BPSK	1	1	24.28	24.42	24.39		
40	PI/2 BPSK	1	108	24.36	24.39	24.35	25.0	0.0
40	PI/2 BPSK	1	214	23.21	23.35	23.23		
40	PI/2 BPSK	108	0	23.80	23.91	23.88	24.5	0.5
40	PI/2 BPSK	108	54	24.27	24.34	24.18	25.0	0.0
40	PI/2 BPSK	108	108	23.81	23.93	23.80	24.5	0.5
40	PI/2 BPSK	216	0	23.74	23.88	23.82		
40	QPSK	1	1	24.34	24.47	24.40		
40	QPSK	1	108	23.32	23.38	23.29	25.0	0.0
40	QPSK	1	214	24.18	24.33	24.19		
40	QPSK	108	0	23.32	23.41	23.29	24.0	1.0
40	QPSK	108	54	24.40	24.42	24.29	25.0	0.0
40	QPSK	108	108	23.34	23.40	23.23	24.0	1.0
40	QPSK	216	0	23.29	23.43	23.29		
40	16QAM	1	1	23.35	23.41	23.33	24.0	1.0
40	16QAM	1	1	21.39	21.58	21.53	22.5	2.5
40	256QAM	1	1	19.69	19.71	19.57	20.5	4.5
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				503000	507000	510000		
30	QPSK	1	1	24.28	24.32	24.27	25.0	0.0
Channel				502000	507000	511500	Tune-up limit	MPR
Frequency (MHz)				502000	507000	511500	(dBm)	(dB)
25	QPSK	1	1	24.20	24.41	24.34	25.0	0.0
Channel				502000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				502000	507000	510000	(dBm)	(dB)
20	QPSK	1	1	24.23	24.35	24.28	25.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				501500	507000	512500	(dBm)	(dB)
15	QPSK	1	1	24.31	24.37	24.27	25.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				501000	507000	513000	(dBm)	(dB)
10	QPSK	1	1	24.30	24.31	24.33	25.0	0.0
Channel				502000	507000	513500	Tune-up limit	MPR
Frequency (MHz)				502000	507000	513500	(dBm)	(dB)
5	QPSK	1	1	24.27	24.39	24.23	25.0	0.0

n66 Ant3 Default DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 349000	Power Middle Ch. / Freq. 349500	Power High Ch. / Freq. 350000	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.19	24.35	24.22		
40	PI/2 BPSK	1	108	24.37	24.33	24.34	25.0	0.0
40	PI/2 BPSK	1	214	24.18	24.38	24.31		
40	PI/2 BPSK	108	0	23.75	23.91	23.80	24.5	0.5
40	PI/2 BPSK	108	54	24.22	24.39	24.32	25.0	0.0
40	PI/2 BPSK	108	108	24.03	24.02	23.84	24.5	0.5
40	PI/2 BPSK	216	0	23.81	23.83	23.78		
40	QPSK	1	1	24.39	24.45	24.40		
40	QPSK	1	108	24.37	24.30	24.30	25.0	0.0
40	QPSK	1	214	24.43	24.31	24.41		
40	QPSK	108	0	23.41	23.49	23.28	24.0	1.0
40	QPSK	108	54	24.37	24.40	24.32	25.0	0.0
40	QPSK	108	108	23.32	23.41	23.39	24.0	1.0
40	QPSK	216	0	23.41	23.43	23.35		
40	16QAM	1	1	23.46	23.45	23.23	24.0	1.0
40	16QAM	1	1	21.66	21.78	21.69	22.5	2.5
40	256QAM	1	1	19.83	19.92	19.79	20.5	4.5
Channel				349000	349500	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				349000	349500	350000		
30	QPSK	1	1	24.31	24.33	24.25	25.0	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				344000	349000	354000	(dBm)	(dB)
20	QPSK	1	1	24.30	24.30	24.25	25.0	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				343500	349000	354500	(dBm)	(dB)
15	QPSK	1	1	24.34	24.42	24.30	25.0	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				343000	349000	355000	(dBm)	(dB)
10	QPSK	1	1	24.32	24.27	24.37	#REF!	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				342500	349000	355500	(dBm)	(dB)
5	QPSK	1	1	24.21	24.41	24.25	25.0	0.0



n38 Ant3 Default 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				2590.02	2595	2599.98		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.42	24.45	24.36		
40	PI/2 BPSK	1	53	24.28	24.38	24.32	25.0	0.0
40	PI/2 BPSK	1	104	24.27	24.30	24.25		
40	PI/2 BPSK	50	0	23.82	23.89	23.81	24.5	0.5
40	PI/2 BPSK	50	28	24.29	24.38	24.27	25.0	0.0
40	PI/2 BPSK	50	56	23.82	23.91	23.80	24.5	0.5
40	PI/2 BPSK	100	0	23.79	23.89	23.78		
40	QPSK	1	1	23.38	24.47	24.36		
40	QPSK	1	53	24.28	24.41	24.28	25.0	0.0
40	QPSK	1	104	24.15	24.25	24.19		
40	QPSK	50	0	23.25	23.41	23.39	24.0	1.0
40	QPSK	50	28	24.17	24.35	24.30	25.0	0.0
40	QPSK	80	56	23.20	23.31	23.20	24.0	1.0
40	QPSK	100	0	23.31	23.35	23.22		
40	16QAM	1	1	23.15	23.32	23.25	24.0	1.0
40	16QAM	1	1	21.63	21.73	21.70	22.5	2.5
40	256QAM	1	1	19.38	19.48	19.37	20.5	4.5
Channel				5170.02	5190.00	5209.98	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				5170.02	5190.00	5209.98		
30	QPSK	1	1	23.25	24.39	24.25	25.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				516000	519000	522000		
20	QPSK	1	1	23.30	24.23	24.20	25.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				515502	519000	522498		
15	QPSK	1	1	23.33	24.38	24.27	25.0	0.0
Channel				515004	519000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				515004	519000	522998		
10	QPSK	1	1	23.28	24.48	24.23	25.0	0.0

n41 Ant3 Default 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				2546.01	2592.99	2640		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.25	24.30	24.28		
100	PI/2 BPSK	1	137	24.07	24.21	24.23	25.0	0.0
100	PI/2 BPSK	1	271	24.36	24.24	24.36		
100	PI/2 BPSK	135	0	23.72	23.85	23.70	24.5	0.5
100	PI/2 BPSK	135	69	24.29	24.30	24.35	25.0	0.0
100	PI/2 BPSK	135	138	23.76	23.79	23.79	24.5	0.5
100	PI/2 BPSK	270	0	23.72	23.74	23.75		
100	QPSK	1	1	24.29	24.38	24.35		
100	QPSK	1	137	24.30	24.31	24.24	25.0	0.0
100	QPSK	1	271	24.31	24.37	24.23		
100	QPSK	135	0	23.30	23.38	23.27	24.0	1.0
100	QPSK	135	69	24.18	24.23	24.19	25.0	0.0
100	QPSK	135	138	23.20	23.37	23.31	24.0	1.0
100	QPSK	270	0	23.19	23.31	23.22		
100	16QAM	1	1	23.10	23.12	22.98	24.0	1.0
100	16QAM	1	1	21.45	21.67	21.61	22.5	2.5
100	256QAM	1	1	19.76	19.74	19.82	20.5	4.5
Channel				509000	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				509000	518998	528998		
90	QPSK	1	1	24.26	24.36	24.21	25.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				507204	518998	529998		
80	QPSK	1	1	24.22	24.25	24.25	25.0	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				506202	518998	531000		
70	QPSK	1	1	24.20	24.32	24.30	25.0	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				505200	518998	531998		
60	QPSK	1	1	24.16	24.34	24.28	25.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				504204	518998	532998		
50	QPSK	1	1	24.24	24.22	24.20	25.0	0.0
Channel				503202	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				503202	518998	533998		
40	QPSK	1	1	24.19	24.25	24.29	25.0	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				502200	518998	534998		
30	QPSK	1	1	24.24	24.20	24.27	25.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				501204	518998	535998		
20	QPSK	1	1	24.19	24.32	24.18	25.0	0.0





n7 Ant4 DSI4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	21.82	21.96	21.77		
40	PI/2 BPSK	1	108	21.79	22.01	21.97	22.5	0.0
40	PI/2 BPSK	1	214	21.71	21.85	21.74		
40	PI/2 BPSK	108	0	21.87	21.84	21.94	22.5	0.0
40	PI/2 BPSK	108	54	21.95	21.93	21.83	22.5	0.0
40	PI/2 BPSK	108	108	21.76	21.84	21.82	22.5	0.0
40	PI/2 BPSK	216	0	21.95	21.88	21.75		
40	QPSK	1	1	21.98	22.02	21.93		
40	QPSK	1	108	21.91	21.91	21.86	22.5	0.0
40	QPSK	1	214	21.91	21.84	21.75		
40	QPSK	108	0	21.87	21.96	21.94	22.5	0.0
40	QPSK	108	54	21.89	22.00	21.97	22.5	0.0
40	QPSK	108	108	21.81	21.91	21.84	22.5	0.0
40	QPSK	216	0	21.85	21.98	21.93		
40	16QAM	1	1	21.86	21.89	21.99	22.5	0.0
40	16QAM	1	1	19.93	20.02	20.09	21.0	1.5
40	256QAM	1	1	18.24	18.24	18.15	19.0	3.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.93	21.99	21.86	22.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2527.5		
25	QPSK	1	1	21.83	21.95	21.89	22.5	0.0
Channel				502000	507000	510000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	21.89	21.96	21.86	22.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.91	21.98	21.88	22.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.82	21.98	21.85	22.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2587.5		
5	QPSK	1	1	21.91	21.95	21.87	22.5	0.0

n66 Ant4 Default 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				349000	349000	350000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.74	22.85	22.80		
40	PI/2 BPSK	1	108	22.72	22.81	22.77	23.5	0.0
40	PI/2 BPSK	1	214	22.69	22.78	22.83		
40	PI/2 BPSK	108	0	21.90	21.99	21.98	23.0	0.5
40	PI/2 BPSK	108	54	22.71	22.79	22.76	23.5	0.0
40	PI/2 BPSK	108	108	22.07	22.26	22.23	23.0	0.5
40	PI/2 BPSK	216	0	22.05	22.25	22.19		
40	QPSK	1	1	22.74	22.88	22.87		
40	QPSK	1	108	22.78	22.98	22.85	23.5	0.0
40	QPSK	1	214	22.75	22.81	22.72		
40	QPSK	108	0	21.42	21.55	21.43	22.5	1.0
40	QPSK	108	54	22.55	22.74	22.70	23.5	0.0
40	QPSK	108	108	21.74	21.83	21.75	22.5	1.0
40	QPSK	216	0	21.85	21.99	21.93		
40	16QAM	1	1	21.39	21.47	21.51	22.5	1.0
40	16QAM	1	1	19.47	19.63	19.59	21.0	2.5
40	256QAM	1	1	17.60	17.68	17.42	19.0	4.5
Channel				349500	349500	350500		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.87	22.85	22.79	23.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.70	22.81	22.78	23.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.88	22.82	22.75	23.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.87	22.81	22.85	23.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.97	22.72	22.89	23.5	0.0



n38 Ant4 DSI4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				519304	519300	519696	
Frequency (MHz)				2590.02	2595	2599.98	
40	Pl2 BPSK	1	1	20.68	20.73	20.70	
40	Pl2 BPSK	1	53	20.63	20.68	20.52	21.5
40	Pl2 BPSK	1	104	20.53	20.60	20.56	
40	Pl2 BPSK	50	0	20.66	20.71	20.67	21.5
40	Pl2 BPSK	50	28	20.66	20.69	20.51	21.5
40	Pl2 BPSK	50	56	20.64	20.73	20.64	21.5
40	Pl2 BPSK	100	0	20.70	20.72	20.68	
40	QPSK	1	1	20.67	20.62	20.73	
40	QPSK	1	53	20.56	20.64	20.50	21.5
40	QPSK	1	104	20.42	20.59	20.53	
40	QPSK	50	0	20.58	20.67	20.54	21.5
40	QPSK	50	28	20.66	20.77	20.63	21.5
40	QPSK	80	56	20.50	20.61	20.56	
40	QPSK	100	0	20.60	20.70	20.54	21.5
40	16QAM	1	1	20.59	20.68	20.63	21.5
40	16QAM	1	1	19.99	20.12	20.06	21.0
40	256QAM	1	1	17.71	17.83	17.77	19.0
Channel				517002	516900	520398	
Frequency (MHz)				2585.01	2585	2604.99	
30	QPSK	1	1	20.54	20.69	20.67	21.5
Channel				516000	519000	522000	
Frequency (MHz)				2570	2595	2610	
20	QPSK	1	1	20.54	20.69	20.55	21.5
Channel				515502	519000	522498	
Frequency (MHz)				2677.51	2595	2612.49	
15	QPSK	1	1	20.64	20.72	20.57	21.5
Channel				515004	519000	522998	
Frequency (MHz)				2673.02	2595	2614.98	
10	QPSK	1	1	20.63	20.70	20.57	21.5

n41 Ant4 DSI4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				526202	518998	529200	
Frequency (MHz)				2546.01	2592.99	2640	
100	Pl2 BPSK	1	1	21.49	21.58	21.35	
100	Pl2 BPSK	1	137	21.38	21.51	21.41	22.5
100	Pl2 BPSK	1	271	21.39	21.55	21.49	
100	Pl2 BPSK	135	0	21.41	21.46	21.45	22.5
100	Pl2 BPSK	135	69	21.44	21.53	21.43	22.5
100	Pl2 BPSK	135	138	21.43	21.47	21.34	22.5
100	Pl2 BPSK	270	0	21.42	21.57	21.39	
100	QPSK	1	1	21.56	21.63	21.51	
100	QPSK	1	137	21.42	21.55	21.47	22.5
100	QPSK	1	271	21.46	21.52	21.46	
100	QPSK	135	0	21.41	21.45	21.41	22.5
100	QPSK	135	69	21.38	21.47	21.45	22.5
100	QPSK	135	138	21.43	21.42	21.46	
100	QPSK	270	0	21.43	21.52	21.46	22.5
100	16QAM	1	1	21.31	21.42	21.25	22.5
100	16QAM	1	1	19.93	20.04	19.91	21.0
100	256QAM	1	1	17.65	17.73	17.61	19.0
Channel				526200	518998	529198	
Frequency (MHz)				2541	2592.99	2644.99	
90	QPSK	1	1	21.47	21.52	21.42	22.5
Channel				507204	518998	529998	
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	21.45	21.54	21.42	22.5
Channel				506202	518998	531000	
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	21.53	21.49	21.43	22.5
Channel				505200	518998	531998	
Frequency (MHz)				2526	2592.99	2659.99	
60	QPSK	1	1	21.45	21.50	21.43	22.5
Channel				504204	518998	532998	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	21.54	21.61	21.51	22.5
Channel				503202	518998	533000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	21.53	21.54	21.45	22.5
Channel				502200	518998	534998	
Frequency (MHz)				2511	2592.99	2674.99	
30	QPSK	1	1	21.55	21.49	21.40	22.5
Channel				501204	518998	535998	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	21.46	21.59	21.41	22.5



### n7 Ant5 Default 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				502000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.66	23.89	23.86		
40	PI/2 BPSK	1	108	23.80	23.85	23.87	24.5	0.0
40	PI/2 BPSK	1	214	23.70	23.82	23.83		
40	PI/2 BPSK	108	0	23.36	23.45	23.28	24.0	0.5
40	PI/2 BPSK	108	54	23.76	23.86	23.79	24.5	0.0
40	PI/2 BPSK	108	108	23.32	23.39	23.25	24.0	0.5
40	PI/2 BPSK	216	0	23.35	23.48	23.39		
40	QPSK	1	1	23.82	23.94	23.89		
40	QPSK	1	108	23.78	23.93	23.80	24.5	0.0
40	QPSK	1	214	23.91	23.87	23.87		
40	QPSK	108	0	22.62	22.85	22.88	23.5	1.0
40	QPSK	108	54	23.68	23.67	23.81	24.5	0.0
40	QPSK	108	108	22.81	22.86	22.83	23.5	1.0
40	QPSK	216	0	22.82	23.03	22.99		
40	16QAM	1	1	22.48	22.56	22.50	23.5	1.0
40	16QAM	1	1	21.28	21.25	21.19	22.0	2.5
40	256QAM	1	1	19.23	19.32	19.31	20.0	4.5
Channel				503000	507000	510000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.75	23.77	23.82	24.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2527.5		
25	QPSK	1	1	23.60	23.87	23.81	23.5	0.0
Channel				502000	507000	510000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.77	23.78	23.73	24.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.67	23.91	23.80	24.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.80	23.89	23.76	24.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.68	23.84	23.85	24.5	0.0

### n66 Ant5 Default 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				349000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	24.32	24.47	24.44		
40	PI/2 BPSK	1	108	24.19	24.36	24.36	25.0	0.0
40	PI/2 BPSK	1	214	24.10	24.40	24.35		
40	PI/2 BPSK	108	0	23.89	24.06	23.88	24.5	0.5
40	PI/2 BPSK	108	54	24.09	24.40	24.24	25.0	0.0
40	PI/2 BPSK	108	108	23.83	23.85	23.96	24.5	0.5
40	PI/2 BPSK	216	0	23.72	23.84	23.82		
40	QPSK	1	1	24.40	24.65	24.31		
40	QPSK	1	108	24.31	24.53	24.47	25.0	0.0
40	QPSK	1	214	24.25	24.22	24.39		
40	QPSK	108	0	23.24	23.17	23.42	24.0	1.0
40	QPSK	108	54	24.24	24.35	24.33	25.0	0.0
40	QPSK	108	108	23.30	23.30	23.34	24.0	1.0
40	QPSK	216	0	23.34	23.38	23.25		
40	16QAM	1	1	23.09	23.27	23.43	24.0	1.0
40	16QAM	1	1	22.08	22.23	22.12	22.5	2.5
40	256QAM	1	1	19.79	19.78	19.84	20.5	4.5
Channel				349500	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	24.44	24.33	24.27	25.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.27	24.29	24.28	25.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.34	24.36	24.30	25.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.40	24.27	24.22	25.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	24.35	24.28	24.25	25.0	0.0



n38 Ant5 Default DSI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2590.02	2595	2599.98	
Frequency (MHz)				2590.02	2595	2599.98	
40	PI/2 BPSK	1	1	23.69	23.87	23.80	
40	PI/2 BPSK	1	53	23.68	23.79	23.67	24.5
40	PI/2 BPSK	1	104	23.75	23.80	23.76	
40	PI/2 BPSK	50	0	23.23	23.32	23.17	24.0
40	PI/2 BPSK	50	28	23.68	23.87	23.78	24.5
40	PI/2 BPSK	50	56	23.22	23.40	23.25	24.0
40	PI/2 BPSK	100	0	23.27	23.35	23.29	
40	QPSK	1	1	23.87	23.94	23.76	
40	QPSK	1	53	23.80	23.85	23.84	24.5
40	QPSK	1	104	23.81	23.83	23.85	
40	QPSK	50	0	22.74	22.85	22.88	23.5
40	QPSK	50	28	23.75	23.67	23.83	24.5
40	QPSK	80	56	22.75	22.81	22.86	23.5
40	QPSK	100	0	22.75	22.82	22.81	
40	16QAM	1	1	22.94	22.98	22.92	23.5
40	16QAM	1	1	21.08	21.18	21.01	22.0
40	256QAM	1	1	18.77	18.85	18.69	20.0
Channel				5170.02	5190.00	5209.98	
Frequency (MHz)				5170.02	5190.00	5209.98	
30	QPSK	1	1	23.83	23.84	23.87	24.5
Channel				516000	519000	520000	
Frequency (MHz)				516000	519000	520000	
20	QPSK	1	1	23.74	23.89	23.72	24.5
Channel				515502	519000	522498	
Frequency (MHz)				515502	519000	522498	
15	QPSK	1	1	23.84	23.91	23.83	24.5
Channel				515004	519000	520998	
Frequency (MHz)				515004	519000	520998	
10	QPSK	1	1	23.77	23.78	23.83	24.5

n41 Ant5 Default DSI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				2546.01	2592.99	2640	
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	23.66	23.73	23.61	
100	PI/2 BPSK	1	137	23.75	23.80	23.70	24.5
100	PI/2 BPSK	1	271	23.70	23.85	23.76	
100	PI/2 BPSK	135	0	23.20	23.34	23.18	24.0
100	PI/2 BPSK	135	69	23.80	23.88	23.76	24.5
100	PI/2 BPSK	135	138	23.19	23.37	23.33	24.0
100	PI/2 BPSK	270	0	23.34	23.39	23.21	
100	QPSK	1	1	23.83	23.90	23.88	
100	QPSK	1	137	23.73	23.86	23.71	24.5
100	QPSK	1	271	23.85	23.70	23.84	
100	QPSK	135	0	22.82	22.84	22.73	23.5
100	QPSK	135	69	23.78	23.83	23.75	24.5
100	QPSK	135	138	22.70	22.85	22.73	23.5
100	QPSK	270	0	22.75	22.88	22.82	
100	16QAM	1	1	22.89	23.02	22.90	23.5
100	16QAM	1	1	20.81	20.98	20.93	22.0
100	256QAM	1	1	19.05	19.15	19.08	20.0
Channel				506000	518000	520998	
Frequency (MHz)				506000	518000	520998	
90	QPSK	1	1	23.79	23.87	23.85	24.5
Channel				507204	518998	520998	
Frequency (MHz)				507204	518998	520998	
80	QPSK	1	1	23.67	23.85	23.84	24.5
Channel				506202	518998	531000	
Frequency (MHz)				506202	518998	531000	
70	QPSK	1	1	23.72	23.76	23.78	24.5
Channel				505200	518998	531998	
Frequency (MHz)				505200	518998	531998	
60	QPSK	1	1	23.78	23.80	23.79	24.5
Channel				504204	518998	532998	
Frequency (MHz)				504204	518998	532998	
50	QPSK	1	1	23.89	23.73	23.81	24.5
Channel				503202	518998	534000	
Frequency (MHz)				503202	518998	534000	
40	QPSK	1	1	23.80	23.73	23.77	24.5
Channel				502200	518998	534998	
Frequency (MHz)				502200	518998	534998	
30	QPSK	1	1	23.69	23.83	23.80	24.5
Channel				501204	518998	535998	
Frequency (MHz)				501204	518998	535998	
20	QPSK	1	1	23.79	23.82	23.85	24.5



PC3 Part270 n77 Ant9 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	3840	3930			
100	PI2 BPSK	1	1	18.92	17.02	16.98			
100	PI2 BPSK	1	137	18.98	17.01	17.04	17.5	0.0	
100	PI2 BPSK	1	271	18.84	18.87	18.78			
100	PI2 BPSK	135	0	17.04	16.95	17.00	17.5	0.0	
100	PI2 BPSK	135	69	16.88	16.90	16.79	17.5	0.0	
100	PI2 BPSK	135	138	18.88	16.95	16.74	17.5	0.0	
100	PI2 BPSK	270	0	18.73	16.84	16.81			
100	QPSK	1	1	17.00	17.16	16.89			
100	QPSK	1	137	17.01	16.94	16.94	17.5	0.0	
100	QPSK	1	271	16.82	16.79	16.77			
100	QPSK	135	0	18.91	16.95	16.93	17.5	0.0	
100	QPSK	135	69	18.97	17.05	17.00	17.5	0.0	
100	QPSK	135	138	18.73	16.85	16.86			
100	QPSK	270	0	18.84	17.03	16.84	17.5	0.0	
100	16QAM	1	1	16.89	16.94	16.94	17.5	0.0	
100	16QAM	1	1	18.76	16.79	16.88	17.5	0.0	
100	256QAM	1	1	18.87	16.82	16.90	17.5	0.0	
Channel				649598	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	16.90	17.01	16.84	17.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.92	16.99	16.84	17.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.88	17.00	16.87	17.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.89	16.97	16.82	17.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.92	16.69	16.87	17.5	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.92	17.03	16.88	17.5	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	18.90	16.99	16.84	17.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.90	17.00	16.86	17.5	0.0	
Channel				647000	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.02	3840	3975.01			
15	QPSK	1	1	18.93	17.01	16.82	17.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.92	17.01	16.83	17.5	0.0	

PC3 Part27Q n77 Ant9 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	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1			17.12			
100	PI2 BPSK	1	137			17.02	17.5	0.0	
100	PI2 BPSK	1	271			16.93			
100	PI2 BPSK	135	0			16.79	17.5	0.0	
100	PI2 BPSK	135	69			16.96	17.5	0.0	
100	PI2 BPSK	135	138			16.98	17.5	0.0	
100	PI2 BPSK	270	0			17.01			
100	QPSK	1	1			17.23			
100	QPSK	1	137			17.08	17.5	0.0	
100	QPSK	1	271			16.92			
100	QPSK	135	0			17.03	17.5	0.0	
100	QPSK	135	69			17.20	17.5	0.0	
100	QPSK	135	138			16.98	17.5	0.0	
100	QPSK	270	0			17.01			
100	16QAM	1	1			17.03	17.5	0.0	
100	16QAM	1	1			17.08	17.5	0.0	
100	256QAM	1	1			16.90	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	16.98	17.12	17.03	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	16.96	17.12	17.00	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	16.96	17.09	16.97	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	16.95	17.08	17.02	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	16.98	17.09	17.02	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	16.94	17.10	16.99	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	16.98	17.09	16.99	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	16.93	17.11	16.99	17.5	0.0	
Channel				630500	633334	636188	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.02			
15	QPSK	1	1	16.99	17.11	17.00	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	16.95	17.08	16.99	17.5	0.0	



PC3 Part270 n78 Ant9 DSi4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3750	3750			
100	PI2 BPSK	1	1		18.16				
100	PI2 BPSK	1	137		18.16				0.0
100	PI2 BPSK	1	271		18.04				
100	PI2 BPSK	135	0		18.07		20.0	0.0	
100	PI2 BPSK	135	69		18.05		20.0	0.0	
100	PI2 BPSK	135	138		18.04		20.0	0.0	
100	PI2 BPSK	270	0		18.15		20.0	0.0	
100	QPSK	1	1		18.23		20.0	0.0	
100	QPSK	1	137		18.20		20.0	0.0	
100	QPSK	1	271		18.09		20.0	0.0	
100	QPSK	135	0		18.18		20.0	0.0	
100	QPSK	135	69		18.20		20.0	0.0	
100	QPSK	135	138		18.13		20.0	0.0	
100	QPSK	270	0		18.17		20.0	0.0	
100	16QAM	1	1		18.12		20.0	0.0	
100	16QAM	1	1		18.20		20.0	0.0	
100	256QAM	1	1		18.01		20.0	0.0	
Channel									
				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.19	18.20	18.19	20.0	0.0
Channel									
				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.21	18.07	18.09	20.0	0.0
Channel									
				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.12	18.14	18.20	20.0	0.0
Channel									
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.17	18.11	18.10	20.0	0.0
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.18	18.16	18.08	20.0	0.0
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.18	18.20	18.09	20.0	0.0
Channel									
				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	0		18.07	18.16	18.05	20.0	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	18.08	18.17	20.0	0.0
Channel									
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.53	3750	3792.51			
15	QPSK	1	1		18.14	18.10	18.15	20.0	0.0
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.09	18.06	18.18	20.0	0.0

PC2 Part270 n78 Ant9 DSi4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3750	3750			
100	PI2 BPSK	1	1		21.13				
100	PI2 BPSK	1	137		21.20				23.0
100	PI2 BPSK	1	271		21.06				
100	PI2 BPSK	135	0		21.02		23.0	0.0	
100	PI2 BPSK	135	69		21.22		23.0	0.0	
100	PI2 BPSK	135	138		21.04		23.0	0.0	
100	PI2 BPSK	270	0		21.05		23.0	0.0	
100	QPSK	1	1		21.29		23.0	0.0	
100	QPSK	1	137		21.18		23.0	0.0	
100	QPSK	1	271		21.07		23.0	0.0	
100	QPSK	135	0		21.03		23.0	0.0	
100	QPSK	135	69		21.27		23.0	0.0	
100	QPSK	135	138		21.04		23.0	0.0	
100	QPSK	270	0		21.19		23.0	0.0	
100	16QAM	1	1		21.07		23.0	0.0	
100	16QAM	1	1		21.06		23.0	0.0	
100	256QAM	1	1		21.07		23.0	0.0	
Channel									
				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		21.17	21.09	21.15	23.0	0.0
Channel									
				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.08	21.11	21.09	23.0	0.0
Channel									
				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		21.11	21.10	21.18	23.0	0.0
Channel									
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		21.15	21.08	21.08	23.0	0.0
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		21.11	21.16	21.14	23.0	0.0
Channel									
				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.07	21.14	21.07	23.0	0.0
Channel									
				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		21.11	21.09	21.13	23.0	0.0
Channel									
				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		21.10	21.17	21.11	23.0	0.0
Channel									
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.53	3750	3792.51			
15	QPSK	1	1		21.17	21.14	21.07	23.0	0.0
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		21.10	21.17	21.11	23.0	0.0



PC3 Part27Q n78 Ant9 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				3500.01						
100	PI2 BPSK	1	1		18.12					
100	PI2 BPSK	1	137		18.15			0.0		
100	PI2 BPSK	1	271		18.08					
100	PI2 BPSK	135	0		18.07		20.0	0.0		
100	PI2 BPSK	135	69		18.08		20.0	0.0		
100	PI2 BPSK	135	138		18.02		20.0	0.0		
100	PI2 BPSK	270	0		18.17		20.0	0.0		
100	QPSK	1	1		18.18					
100	QPSK	1	137		18.09		20.0	0.0		
100	QPSK	1	271		18.03					
100	QPSK	135	0		18.15		20.0	0.0		
100	QPSK	135	69		18.18		20.0	0.0		
100	QPSK	135	138		18.11		20.0	0.0		
100	QPSK	270	0		18.14		20.0	0.0		
100	16QAM	1	1		18.14		20.0	0.0		
100	64QAM	1	1		18.12		20.0	0.0		
100	256QAM	1	1		18.07		20.0	0.0		
Channel										
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485	3500.01	3505.02				
90	QPSK	1	1	18.09	18.07	18.08	20.0	0.0		
Channel										
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	18.15	18.02	18.14	20.0	0.0		
Channel										
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3486.01	3500.01	3515.01				
70	QPSK	1	1	18.17	18.07	18.12	20.0	0.0		
Channel										
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	18.13	18.12	18.17	20.0	0.0		
Channel										
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3505				
50	QPSK	1	1	18.17	18.14	18.10	20.0	0.0		
Channel										
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	18.17	18.14	18.10	20.0	0.0		
Channel										
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	6352.02				
30	QPSK	1	1	18.05	18.15	18.09	20.0	0.0		
Channel										
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	18.07	18.13	18.16	20.0	0.0		
Channel										
				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	18.05	18.14	18.05	20.0	0.0		
Channel										
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	18.06	18.04	18.10	20.0	0.0		

PC2 Part27Q n78 Ant9 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				3500.01						
100	PI2 BPSK	1	1		21.05					
100	PI2 BPSK	1	137		21.04			23.0	0.0	
100	PI2 BPSK	1	271		21.22					
100	PI2 BPSK	135	0		21.05		20.0	0.0		
100	PI2 BPSK	135	69		21.07		23.0	0.0		
100	PI2 BPSK	135	138		21.02		23.0	0.0		
100	PI2 BPSK	270	0		21.01		23.0	0.0		
100	QPSK	1	1		21.26					
100	QPSK	1	137		21.02		23.0	0.0		
100	QPSK	1	271		21.20					
100	QPSK	135	0		21.12		23.0	0.0		
100	QPSK	135	69		21.21		23.0	0.0		
100	QPSK	135	138		21.12		23.0	0.0		
100	QPSK	270	0		21.18		23.0	0.0		
100	16QAM	1	1		21.05		23.0	0.0		
100	64QAM	1	1		21.06		23.0	0.0		
100	256QAM	1	1		21.16		23.0	0.0		
Channel										
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485	3500.01	3505.02				
90	QPSK	1	1	21.07	21.06	21.02	23.0	0.0		
Channel										
				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	21.10	21.09	21.02	23.0	0.0		
Channel										
				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3486.01	3500.01	3515.01				
70	QPSK	1	1	21.09	21.04	21.10	23.0	0.0		
Channel										
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	21.13	21.04	21.07	23.0	0.0		
Channel										
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3505				
50	QPSK	1	1	21.07	21.06	21.03	23.0	0.0		
Channel										
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	21.09	21.03	21.09	23.0	0.0		
Channel										
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	6352.02				
30	QPSK	1	1	21.11	21.06	21.02	23.0	0.0		
Channel										
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	21.08	21.12	21.10	23.0	0.0		
Channel										
				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	21.10	21.08	21.10	23.0	0.0		
Channel										
				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	21.09	21.12	21.08	23.0	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				65000					
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.11	16.17	16.16			
100	PI2 BPSK	1	137	18.05	16.18	16.13	17.2	0.0	
100	PI2 BPSK	1	271	18.20	16.20	16.19			
100	PI2 BPSK	135	0	18.07	16.19	16.12	17.2	0.0	
100	PI2 BPSK	135	69	18.06	16.18	16.10	17.2	0.0	
100	PI2 BPSK	135	138	18.21	16.15	16.19	17.2	0.0	
100	PI2 BPSK	270	0	18.09	16.14	16.12			
100	QPSK	1	1	18.08	16.20	16.17			
100	QPSK	1	137	18.03	16.18	16.18	17.2	0.0	
100	QPSK	1	271	18.19	16.21	16.18			
100	QPSK	135	0	18.16	16.18	16.12	17.2	0.0	
100	QPSK	135	69	18.08	16.28	16.17	17.2	0.0	
100	QPSK	135	138	18.18	16.23	16.18			
100	QPSK	270	0	18.12	16.25	16.15	17.2	0.0	
100	16QAM	1	1	18.10	16.20	16.12	17.2	0.0	
100	64QAM	1	1	18.07	16.18	16.10	17.2	0.0	
100	256QAM	1	1	18.19	16.20	16.19	17.2	0.0	
Channel				65000					
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.90	16.09	16.05	17.2	0.0	
Channel				649334					
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.90	16.11	16.09	17.2	0.0	
Channel				649000					
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.89	16.10	16.03	17.2	0.0	
Channel				648668					
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.98	16.04	16.08	17.2	0.0	
Channel				648334					
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.90	16.09	16.04	17.2	0.0	
Channel				648000					
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.92	16.08	16.07	17.2	0.0	
Channel				647668					
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.90	16.11	16.08	17.2	0.0	
Channel				647334					
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.95	16.11	16.04	17.2	0.0	
Channel				647000					
Frequency (MHz)				3705.02	3840	3975.01			
15	QPSK	1	1	15.97	16.11	16.09	17.2	0.0	
Channel				647000					
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.95	16.12	16.11	17.2	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				63334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	18.11	16.17	16.16			
100	PI2 BPSK	1	137	18.05	16.18	16.13	17.2	0.0	
100	PI2 BPSK	1	271	18.20	16.20	16.19			
100	PI2 BPSK	135	0	18.07	16.19	16.12	17.2	0.0	
100	PI2 BPSK	135	69	18.06	16.18	16.10	17.2	0.0	
100	PI2 BPSK	135	138	18.21	16.15	16.19	17.2	0.0	
100	PI2 BPSK	270	0	18.09	16.14	16.12			
100	QPSK	1	1	18.08	16.20	16.17			
100	QPSK	1	137	18.03	16.18	16.18	17.2	0.0	
100	QPSK	1	271	18.19	16.21	16.18			
100	QPSK	135	0	18.16	16.18	16.12	17.2	0.0	
100	QPSK	135	69	18.08	16.28	16.17	17.2	0.0	
100	QPSK	135	138	18.18	16.23	16.18			
100	QPSK	270	0	18.12	16.25	16.15	17.2	0.0	
100	16QAM	1	1	18.10	16.20	16.12	17.2	0.0	
100	64QAM	1	1	18.07	16.18	16.10	17.2	0.0	
100	256QAM	1	1	18.19	16.20	16.19	17.2	0.0	
Channel				633000					
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.51	16.51	16.50	17.2	0.0	
Channel				632668					
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.52	16.49	16.56	17.2	0.0	
Channel				632334					
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.53	16.47	16.55	17.2	0.0	
Channel				632000					
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.47	16.55	16.48	17.2	0.0	
Channel				631668					
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.47	16.50	16.49	17.2	0.0	
Channel				631334					
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.53	16.47	16.55	17.2	0.0	
Channel				631000					
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.51	16.52	16.53	17.2	0.0	
Channel				630668					
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.49	16.55	16.48	17.2	0.0	
Channel				630500					
Frequency (MHz)				3457.05	3500.01	3542.92			
15	QPSK	1	1	16.54	16.47	16.53	17.2	0.0	
Channel				630334					
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.54	16.48	16.48	17.2	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				3750	3750	3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1	15.78					
100	PI/2 BPSK	1	137	15.68			17.5	0.0	
100	PI/2 BPSK	1	271	15.80					
100	PI/2 BPSK	135	0	15.59					20.5
100	PI/2 BPSK	135	69	15.54					20.5
100	PI/2 BPSK	135	138	15.53			17.5	0.0	
100	PI/2 BPSK	270	0	15.65					
100	QPSK	1	1	15.82					
100	QPSK	1	137	15.79			17.5	0.0	
100	QPSK	1	271	15.52					
100	QPSK	135	0	15.60			17.5	0.0	
100	QPSK	135	69	15.77			17.5	0.0	
100	QPSK	135	138	15.67					
100	QPSK	270	0	15.72			17.5	0.0	
100	16QAM	1	1	15.54			17.5	0.0	
100	64QAM	1	1	15.59			17.5	0.0	
100	256QAM	1	1	15.63			17.5	0.0	
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.73	15.71	15.76	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	15.70	15.65	15.74	17.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.72	15.67	15.70	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	15.68	15.77	15.75	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	15.66	15.78	15.73	17.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.67	15.77	15.72	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	15.70	15.79	15.74	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	15.71	15.75	15.71	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	15.74	15.70	15.74	17.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.66	15.73	15.75	17.5	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				3750	3750	3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1	18.65					
100	PI/2 BPSK	1	137	18.62			20.5	0.0	
100	PI/2 BPSK	1	271	18.82					
100	PI/2 BPSK	135	0	18.59					20.5
100	PI/2 BPSK	135	69	18.61					20.5
100	PI/2 BPSK	135	138	18.62			20.5	0.0	
100	PI/2 BPSK	270	0	18.62					
100	QPSK	1	1	18.73					
100	QPSK	1	137	18.59			20.5	0.0	
100	QPSK	1	271	18.61					
100	QPSK	135	0	18.62			20.5	0.0	
100	QPSK	135	69	18.67			20.5	0.0	
100	QPSK	135	138	18.60					
100	QPSK	270	0	18.61			20.5	0.0	
100	16QAM	1	1	18.59			20.5	0.0	
100	64QAM	1	1	18.62			20.5	0.0	
100	256QAM	1	1	18.63			20.5	0.0	
Channel				64968	650000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	18.55	18.55	18.65	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	18.53	18.55	18.54	20.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	18.64	18.54	18.63	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	18.60	18.63	18.68	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	18.55	18.60	18.56	20.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.68	18.67	18.63	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	18.55	18.54	18.69	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	18.54	18.56	18.68	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	18.60	18.67	18.61	20.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.57	18.68	18.67	20.5	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	16.27	16.27	16.27			
100	PI/2 BPSK	1	137	16.21	16.21	16.21	17.5	0.0	
100	PI/2 BPSK	1	271	16.17	16.17	16.17			
100	PI/2 BPSK	135	0	16.08	16.08	16.08	17.5	0.0	
100	PI/2 BPSK	135	69	15.98	15.98	15.98	17.5	0.0	
100	PI/2 BPSK	135	138	15.97	15.97	15.97	17.5	0.0	
100	PI/2 BPSK	270	0	16.17	16.17	16.17			
100	QPSK	1	1	16.38	16.38	16.38			
100	QPSK	1	137	16.28	16.28	16.28	17.5	0.0	
100	QPSK	1	271	15.98	15.98	15.98			
100	QPSK	135	0	16.05	16.05	16.05	17.5	0.0	
100	QPSK	135	69	16.31	16.31	16.31	17.5	0.0	
100	QPSK	135	138	16.17	16.17	16.17			
100	QPSK	270	0	16.28	16.28	16.28	17.5	0.0	
100	16QAM	1	1	16.06	16.06	16.06	17.5	0.0	
100	16QAM	1	1	16.05	16.05	16.05	17.5	0.0	
100	256QAM	1	1	16.18	16.18	16.18	17.5	0.0	
Channel				633090			633668		
Frequency (MHz)				3495			3500.01		3505.02
90	QPSK	1	1	15.73	15.71	15.76	17.5	0.0	
Channel				632668			633400		
Frequency (MHz)				3490.02			3500.01		3510
80	QPSK	1	1	15.70	15.65	15.74	17.5	0.0	
Channel				632334			634334		
Frequency (MHz)				3485.01			3500.01		3515.01
70	QPSK	1	1	15.72	15.67	15.70	17.5	0.0	
Channel				632000			633334		
Frequency (MHz)				3480			3500.01		3520.02
60	QPSK	1	1	15.68	15.77	15.75	17.5	0.0	
Channel				631688			633334		
Frequency (MHz)				3475.02			3500.01		3525
50	QPSK	1	1	15.66	15.78	15.73	17.5	0.0	
Channel				631334			633334		
Frequency (MHz)				3470.01			3500.01		3530.01
40	QPSK	1	1	15.67	15.77	15.72	17.5	0.0	
Channel				631000			633334		
Frequency (MHz)				3465			3500.01		3535.02
30	QPSK	1	1	15.70	15.70	15.74	17.5	0.0	
Channel				630668			633334		
Frequency (MHz)				3460.02			3500.01		3540
20	QPSK	1	1	15.71	15.75	15.71	17.5	0.0	
Channel				630500			633334		
Frequency (MHz)				3457.5			3500.01		3545.02
15	QPSK	1	1	15.74	15.70	15.74	17.5	0.0	
Channel				630334			633334		
Frequency (MHz)				3455.01			3500.01		3545.01
10	QPSK	1	1	15.66	15.73	15.75	17.5	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	16.27	16.27	16.27			
100	PI/2 BPSK	1	137	16.21	16.21	16.21	20.5	0.0	
100	PI/2 BPSK	1	271	16.18	16.18	16.18			
100	PI/2 BPSK	135	0	16.08	16.08	16.08	20.5	0.0	
100	PI/2 BPSK	135	69	16.04	16.04	16.04	20.5	0.0	
100	PI/2 BPSK	135	138	16.14	16.14	16.14	20.5	0.0	
100	PI/2 BPSK	270	0	16.04	16.04	16.04			
100	QPSK	1	1	16.23	16.23	16.23			
100	QPSK	1	137	16.18	16.18	16.18	20.5	0.0	
100	QPSK	1	271	16.15	16.15	16.15			
100	QPSK	135	0	16.01	16.01	16.01	20.5	0.0	
100	QPSK	135	69	16.20	16.20	16.20	20.5	0.0	
100	QPSK	135	138	16.15	16.15	16.15			
100	QPSK	270	0	16.16	16.16	16.16	20.5	0.0	
100	16QAM	1	1	16.11	16.11	16.11	20.5	0.0	
100	16QAM	1	1	16.08	16.08	16.08	20.5	0.0	
100	256QAM	1	1	16.02	16.02	16.02	20.5	0.0	
Channel				633090			633668		
Frequency (MHz)				3495			3500.01		3505.02
90	QPSK	1	1	16.11	16.11	16.99	20.5	0.0	
Channel				632668			634000		
Frequency (MHz)				3490.02			3500.01		3510
80	QPSK	1	1	16.11	16.09	16.07	20.5	0.0	
Channel				632334			634334		
Frequency (MHz)				3485.01			3500.01		3515.01
70	QPSK	1	1	16.02	16.08	16.00	20.5	0.0	
Channel				632000			633334		
Frequency (MHz)				3480			3500.01		3520.02
60	QPSK	1	1	16.10	16.05	16.99	20.5	0.0	
Channel				631688			633000		
Frequency (MHz)				3475.02			3500.01		3525
50	QPSK	1	1	16.10	16.09	16.04	20.5	0.0	
Channel				631334			633334		
Frequency (MHz)				3470.01			3500.01		3530.01
40	QPSK	1	1	16.98	16.10	16.00	20.5	0.0	
Channel				631000			633668		
Frequency (MHz)				3465			3500.01		3535.02
30	QPSK	1	1	16.09	16.09	16.99	20.5	0.0	
Channel				630668			633000		
Frequency (MHz)				3460.02			3500.01		3540
20	QPSK	1	1	16.01	16.10	16.06	20.5	0.0	
Channel				630500			633334		
Frequency (MHz)				3457.5			3500.01		3545.02
15	QPSK	1	1	16.99	16.99	16.99	20.5	0.0	
Channel				630334			633334		
Frequency (MHz)				3455.01			3500.01		3545.01
10	QPSK	1	1	16.88	16.05	16.01	20.5	0.0	



PC3 Part270 n77 Ant11 Default 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	3840	3930			
100	PI2 BPSK	1	1	24.53	24.79	24.69			
100	PI2 BPSK	1	137	24.62	24.71	24.78	25.7	0.0	
100	PI2 BPSK	1	271	24.38	24.55	24.58			
100	PI2 BPSK	135	0	24.02	24.16	24.25	25.2	0.5	
100	PI2 BPSK	135	69	24.50	24.59	24.80	25.7	0.0	
100	PI2 BPSK	135	138	23.84	24.11	24.11	25.2	0.5	
100	PI2 BPSK	270	0	23.95	24.16	24.27			
100	QPSK	1	1	24.72	24.97	24.77			
100	QPSK	1	137	24.68	24.75	24.69	25.7	0.0	
100	QPSK	1	271	24.81	24.73	24.80			
100	QPSK	135	0	23.63	23.67	23.73	24.7	1.0	
100	QPSK	135	69	24.71	24.76	24.71	25.7	0.0	
100	QPSK	135	138	23.52	23.58	23.58	24.7	1.0	
100	QPSK	270	0	23.49	23.82	23.45			
100	16QAM	1	1	23.42	23.48	23.50	24.7	1.0	
100	16QAM	1	1	22.07	22.10	22.21	23.2	2.5	
100	256QAM	1	1	19.84	20.02	20.07	21.2	4.5	
Channel				649334	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	24.66	24.81	24.70	25.7	0.0	
Channel				649334	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	24.61	24.84	24.71	25.7	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	24.61	24.70	24.62	25.7	0.0	
Channel				648668	650000	648668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	24.81	24.83	24.71	25.7	0.0	
Channel				648334	650000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	24.57	24.81	24.85	25.7	0.0	
Channel				648000	650000	648000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	24.68	24.77	24.68	25.7	0.0	
Channel				647668	650000	647668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	24.60	24.78	24.72	25.7	0.0	
Channel				647334	650000	647334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	24.62	24.70	24.74	25.7	0.0	
Channel				647000	650000	647000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.02	3840	3975.01			
15	QPSK	1	1	24.58	24.82	24.74	25.7	0.0	
Channel				647000	650000	647000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	24.65	24.83	24.80	25.7	0.0	

PC3 Part27Q n77 Ant11 Default 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	633334	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	24.87					
100	PI2 BPSK	1	137	24.80			25.7	0.0	
100	PI2 BPSK	1	271	24.81					
100	PI2 BPSK	135	0	24.33			25.2	0.5	
100	PI2 BPSK	135	69	24.90			25.7	0.0	
100	PI2 BPSK	135	138	24.33			25.2	0.5	
100	PI2 BPSK	270	0	24.35					
100	QPSK	1	1	24.93					
100	QPSK	1	137	24.91			25.7	0.0	
100	QPSK	1	271	24.92					
100	QPSK	135	0	23.77			24.7	1.0	
100	QPSK	135	69	24.88			25.7	0.0	
100	QPSK	135	138	23.87			24.7	1.0	
100	QPSK	270	0	23.81					
100	16QAM	1	1	23.75			24.7	1.0	
100	16QAM	1	1	22.01			23.2	2.5	
100	256QAM	1	1	19.97			21.2	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.78	24.89	24.89	25.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	24.89	24.90	24.80	25.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	24.78	24.83	24.78	25.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.82	24.75	24.82	25.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	24.83	24.86	24.90	25.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	24.77	24.85	24.84	25.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.79	24.79	24.77	25.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.88	24.81	24.79	25.7	0.0	
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3542.02			
15	QPSK	1	1	24.78	24.90	24.78	25.7	0.0	
Channel				630034	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.01			
10	QPSK	1	1	24.90	24.90	24.85	25.7	0.0	



PC3 Part270 n78 Ant11 Default 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	PI2 BPSK	1	1		22.74				
100	PI2 BPSK	1	137		22.82		24.0	0.0	
100	PI2 BPSK	1	271		22.53				
100	PI2 BPSK	135	0		22.46		24.0	0.0	
100	PI2 BPSK	135	69		22.53		24.0	0.0	
100	PI2 BPSK	135	138		22.47		24.0	0.0	
100	PI2 BPSK	270	0		22.40				
100	QPSK	1	1		22.76				
100	QPSK	1	137		22.71		24.0	0.0	
100	QPSK	1	271		22.68				
100	QPSK	135	0		22.42		24.0	0.0	
100	QPSK	135	69		22.56		24.0	0.0	
100	QPSK	135	138		22.53		24.0	0.0	
100	QPSK	270	0		22.57				
100	16QAM	1	1		22.39		24.0	0.0	
100	16QAM	1	1		21.28		22.6	1.5	
100	256QAM	1	1		19.24		20.5	3.5	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.85	22.72	22.69	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.82	22.59	22.62	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.69	22.62	22.71	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.66	22.85	22.67	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.60	22.59	22.66	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.69	22.66	22.71	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.67	22.59	22.73	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.58	22.61	22.61	24.0	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.64	22.73	22.70	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.61	22.59	22.63	24.0	0.0

PC2 Part270 n78 Ant11 Default 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	PI2 BPSK	1	1		25.54				
100	PI2 BPSK	1	137		25.60		27.0	0.0	
100	PI2 BPSK	1	271		25.51				
100	PI2 BPSK	135	0		25.17		26.5	0.5	
100	PI2 BPSK	135	69		25.66		27.0	0.0	
100	PI2 BPSK	135	138		25.12		26.5	0.5	
100	PI2 BPSK	270	0		25.16				
100	QPSK	1	1		25.67				
100	QPSK	1	137		25.63		27.0	0.0	
100	QPSK	1	271		25.61				
100	QPSK	135	0		24.57		26.0	1.0	
100	QPSK	135	69		25.59		27.0	0.0	
100	QPSK	135	138		24.56		26.0	1.0	
100	QPSK	270	0		24.63				
100	16QAM	1	1		24.37		26.0	1.0	
100	16QAM	1	1		22.87		24.5	2.5	
100	256QAM	1	1		20.58		22.5	4.5	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.52	25.57	25.53	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.59	25.62	25.65	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.61	25.53	25.58	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.53	25.51	25.50	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.52	25.54	25.58	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.59	25.60	25.54	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.52	25.63	25.51	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.58	25.51	25.51	27.0	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.58	25.57	25.50	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.57	25.56	25.59	27.0	0.0



**PC3 Part27Q 78 Ant11 Default DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.97	22.87	22.80		
100	PI/2 BPSK	1	137	22.83	22.83	22.83	24.0	0.0
100	PI/2 BPSK	1	271	22.87	22.87	22.80		
100	PI/2 BPSK	135	0	22.72	22.72	22.60	24.0	0.0
100	PI/2 BPSK	135	69	22.77	22.77	22.64	24.0	0.0
100	PI/2 BPSK	135	138	22.85	22.85	22.68	24.0	0.0
100	PI/2 BPSK	270	0	22.74	22.74	22.67		
100	QPSK	1	1	23.08	23.08	22.92		
100	QPSK	1	137	22.98	22.98	22.85	24.0	0.0
100	QPSK	1	271	23.03	23.03	22.82		
100	QPSK	135	0	22.80	22.80	22.55	24.0	0.0
100	QPSK	135	69	22.86	22.86	22.62	24.0	0.0
100	QPSK	135	138	22.83	22.83	22.58	24.0	0.0
100	QPSK	270	0	22.87	22.87	22.58		
100	16QAM	1	1	22.79	22.79	22.40	24.0	0.0
100	64QAM	1	1	21.39	21.39	22.5	22.5	1.5
100	256QAM	1	1	18.71	18.71	20.5	20.5	3.5
Channel								
Frequency (MHz)				633090	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.01	22.96	22.93	24.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.97	23.05	22.99	24.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.02	22.94	22.95	24.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.91	23.08	22.99	24.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.05	23.02	22.99	24.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.98	22.96	23.03	24.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.84	22.88	22.97	24.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.04	22.92	22.91	24.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	23.08	23.05	22.91	24.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.91	22.80	22.93	24.0	0.0

**PC2 Part27Q 78 Ant11 Default DSI4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	22.97	22.87	22.80		
100	PI/2 BPSK	1	137	22.83	22.83	22.83	27.0	0.0
100	PI/2 BPSK	1	271	22.87	22.87	22.80		
100	PI/2 BPSK	135	0	22.72	22.72	22.60	26.5	0.5
100	PI/2 BPSK	135	69	22.77	22.77	22.64	27.0	0.0
100	PI/2 BPSK	135	138	22.85	22.85	22.68	26.5	0.5
100	PI/2 BPSK	270	0	22.74	22.74	22.67		
100	QPSK	1	1	23.08	23.08	22.92		
100	QPSK	1	137	22.98	22.98	22.85	27.0	0.0
100	QPSK	1	271	23.03	23.03	22.82		
100	QPSK	135	0	22.80	22.80	22.55	26.0	1.0
100	QPSK	135	69	22.86	22.86	22.62	27.0	0.0
100	QPSK	135	138	22.83	22.83	22.58	26.0	1.0
100	QPSK	270	0	22.87	22.87	22.58		
100	16QAM	1	1	22.79	22.79	22.40	26.0	1.0
100	64QAM	1	1	21.39	21.39	22.5	24.5	2.5
100	256QAM	1	1	18.71	18.71	21.12	22.5	4.5
Channel								
Frequency (MHz)				633090	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.12	26.19	26.16	27.0	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.05	26.09	26.08	27.0	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.06	26.18	26.12	27.0	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.05	26.12	26.15	27.0	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.08	26.04	26.10	27.0	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.07	26.08	26.20	27.0	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.05	26.14	26.14	27.0	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.07	26.19	26.08	27.0	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	26.10	26.05	26.18	27.0	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.15	26.10	26.06	27.0	0.0



### n5 Ant0 Default DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq. 167300	Ch. / Freq. 167300	Ch. / Freq. 167800		
Channel								
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.79	24.87	24.85		
20	PI2 BPSK	1	53	24.84	24.89	24.82	25.5	0.0
20	PI2 BPSK	1	104	24.77	24.79	24.65		
20	PI2 BPSK	50	0	24.19	24.46	24.25	25.0	0.5
20	PI2 BPSK	50	28	24.87	24.83	24.71	25.5	0.0
20	PI2 BPSK	50	56	24.92	24.27	24.12	25.0	0.5
20	PI2 BPSK	100	0	24.37	24.38	24.28		
20	QPSK	1	1	24.94	24.96	24.85		
20	QPSK	1	53	24.79	24.86	24.70	25.5	0.0
20	QPSK	1	104	24.61	24.78	24.65		
20	QPSK	50	0	23.71	23.73	23.76	24.5	1.0
20	QPSK	50	28	24.82	24.90	24.74	25.5	0.0
20	QPSK	50	56	23.75	23.81	23.73	24.5	1.0
20	QPSK	100	0	23.73	23.95	23.66	24.5	1.0
20	16QAM	1	1	23.65	23.88	23.75	24.5	1.0
20	64QAM	1	1	22.32	22.41	22.16	23.0	2.5
20	256QAM	1	1	20.68	20.71	20.55	21.0	4.5
Channel								
Frequency (MHz)				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	24.91	24.83	24.80	25.5	0.0
Channel								
Frequency (MHz)				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.78	24.81	24.77	25.5	0.0
Channel								
Frequency (MHz)				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	24.92	24.87	24.81	25.5	0.0

### Reduced Power Mode for DSI5

### n7 Ant0 Default DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq. 504000	Ch. / Freq. 507000	Ch. / Freq. 510000		
Channel								
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.35	23.43	23.25		
40	PI2 BPSK	1	108	23.44	23.40	23.31	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.30	23.10		
40	PI2 BPSK	108	0	22.61	22.85	22.90	23.5	0.5
40	PI2 BPSK	108	54	23.00	23.30	23.03	24.0	0.0
40	PI2 BPSK	108	108	22.79	22.77	22.69	23.5	0.5
40	PI2 BPSK	216	0	22.68	22.76	22.64		
40	QPSK	1	1	23.22	23.47	23.35		
40	QPSK	1	108	23.07	23.25	23.24	24.0	0.0
40	QPSK	1	214	23.24	23.11	23.22		
40	QPSK	108	0	22.16	22.31	22.11	23.0	1.0
40	QPSK	108	54	23.02	23.20	22.99	24.0	0.0
40	QPSK	108	108	22.04	22.25	22.18	23.0	1.0
40	QPSK	216	0	22.22	22.26	22.16		
40	16QAM	1	1	22.16	22.11	21.94	23.0	1.0
40	64QAM	1	1	20.44	20.68	20.58	21.5	2.5
40	256QAM	1	1	18.38	18.38	18.42	19.5	4.5
Channel								
Frequency (MHz)				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.11	23.33	23.22	24.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.19	23.29	23.31	24.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.10	23.37	23.24	24.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.20	23.39	23.27	24.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.10	23.30	23.30	24.0	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.14	23.44	23.30	24.0	0.0

### n66 Ant0 Default DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq. 346000	Ch. / Freq. 348000	Ch. / Freq. 352000		
Channel								
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.81	22.94	22.85		
40	PI2 BPSK	1	108	22.93	22.91	22.88	23.5	0.0
40	PI2 BPSK	1	214	22.71	22.92	22.64		
40	PI2 BPSK	108	0	22.28	22.41	22.19	23.0	0.5
40	PI2 BPSK	108	54	22.86	23.00	22.85	23.5	0.0
40	PI2 BPSK	108	108	22.33	22.38	22.30	23.0	0.5
40	PI2 BPSK	216	0	22.34	22.42	22.24		
40	QPSK	1	1	22.78	23.03	22.97		
40	QPSK	1	108	22.77	22.89	22.74	23.5	0.0
40	QPSK	1	214	22.67	22.73	22.69		
40	QPSK	108	0	21.65	21.84	21.85	22.5	1.0
40	QPSK	108	54	22.84	23.00	22.82	23.5	0.0
40	QPSK	108	108	21.69	21.84	21.77	22.5	1.0
40	QPSK	216	0	21.92	22.06	21.98	22.5	1.0
40	16QAM	1	1	21.88	21.94	21.85	22.5	1.0
40	64QAM	1	1	20.38	20.30	20.29	21.0	2.5
40	256QAM	1	1	18.66	18.74	18.74	19.0	4.5
Channel								
Frequency (MHz)				345500	348000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.67	22.86	22.86	23.5	0.0
Channel								
Frequency (MHz)				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.74	22.94	22.84	23.5	0.0
Channel								
Frequency (MHz)				343500	348000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.67	22.89	22.89	23.5	0.0
Channel								
Frequency (MHz)				342500	348000	355000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.72	22.85	22.89	MPRE1	0.0
Channel								
Frequency (MHz)				342000	348000	355500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.61	22.97	22.87	23.5	0.0



n38 Ant0 Default 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				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.13	23.21	23.19			
40	PI2 BPSK	1	53	23.11	23.14	23.10	24.0	0.0	
40	PI2 BPSK	1	104	22.91	23.13	22.94			
40	PI2 BPSK	50	0	22.82	22.66	22.56	23.5	0.5	
40	PI2 BPSK	50	28	23.02	23.22	22.96	24.0	0.0	
40	PI2 BPSK	50	56	22.53	22.59	22.57	23.5	0.5	
40	PI2 BPSK	100	0	22.55	22.79	22.53			
40	QPSK	1	1	23.15	23.24	23.22			
40	QPSK	1	53	22.93	23.00	22.96	24.0	0.0	
40	QPSK	1	104	22.92	23.12	22.94			
40	QPSK	50	0	22.08	22.13	22.02	23.0	1.0	
40	QPSK	50	28	23.04	23.17	23.03	24.0	0.0	
40	QPSK	50	56	22.07	22.12	22.18	23.0	1.0	
40	QPSK	100	0	22.17	22.25	22.15	23.0	1.0	
40	16QAM	1	1	22.00	22.35	22.22	23.0	1.0	
40	64QAM	1	1	20.37	20.59	20.39	21.5	2.5	
40	256QAM	1	1	18.37	18.32	18.33	19.5	4.5	
Channel				519002	519000	520098			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.08	23.20	23.12	24.0	0.0	
Channel				519000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.99	23.14	23.15	24.0	0.0	
Channel				519502	519000	522498			
Frequency (MHz)				2577.51	2595	2614.49			
15	QPSK	1	1	23.11	23.07	23.10	24.0	0.0	
Channel				519004	519000	522006			
Frequency (MHz)				2575.02	2595	2614.88			
10	QPSK	1	1	22.98	23.18	23.11	24.0	0.0	

n41 Ant0 Default 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				505002	518998	526000			
Frequency (MHz)				2546.01	2592.99	2644			
100	PI2 BPSK	1	1	22.79	22.93	22.87			
100	PI2 BPSK	1	137	22.82	22.85	22.85	24.0	0.0	
100	PI2 BPSK	1	271	22.74	22.91	22.80			
100	PI2 BPSK	135	0	22.35	22.45	22.31	23.5	0.5	
100	PI2 BPSK	135	69	22.79	22.93	22.96	24.0	0.0	
100	PI2 BPSK	135	138	22.34	22.48	22.39	23.5	0.5	
100	PI2 BPSK	270	0	22.31	22.46	22.30			
100	QPSK	1	1	22.88	22.98	22.96			
100	QPSK	1	137	22.85	22.91	22.89	24.0	0.0	
100	QPSK	1	271	22.78	22.90	22.78			
100	QPSK	135	0	21.70	21.68	21.52	23.0	1.0	
100	QPSK	135	69	22.91	22.93	22.87	24.0	0.0	
100	QPSK	135	138	21.84	21.77	21.79	23.0	1.0	
100	QPSK	270	0	21.67	21.60	21.61			
100	16QAM	1	1	21.88	22.05	21.93	23.0	1.0	
100	64QAM	1	1	20.44	20.37	20.35	21.5	2.5	
100	256QAM	1	1	18.32	18.39	18.13	19.5	4.5	
Channel				506200	518998	526996			
Frequency (MHz)				2541	2592.99	2644.88			
90	QPSK	1	1	22.70	22.95	22.77	24.0	0.0	
Channel				507204	518998	526996			
Frequency (MHz)				2536.02	2592.99	2644.88			
80	QPSK	1	1	22.71	22.92	22.87	24.0	0.0	
Channel				508202	518998	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.71	22.90	22.84	24.0	0.0	
Channel				509200	518998	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.76	22.83	22.91	24.0	0.0	
Channel				504204	518998	532996			
Frequency (MHz)				2521.02	2592.99	2644.88			
50	QPSK	1	1	22.81	22.84	22.82	24.0	0.0	
Channel				503202	518998	534000			
Frequency (MHz)				2516.01	2592.99	2630			
40	QPSK	1	1	22.72	22.90	22.87	24.0	0.0	
Channel				502200	518998	534996			
Frequency (MHz)				2511	2592.99	2634.98			
30	QPSK	1	1	22.71	22.93	22.86	24.0	0.0	
Channel				501204	518998	535996			
Frequency (MHz)				2506.02	2592.99	2629.99			
20	QPSK	1	1	22.77	22.88	22.93	24.0	0.0	

PC3 Part270 n77 Ant0 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				655000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.13	21.17	21.06			
100	PI2 BPSK	1	137	21.08	21.23	21.11	22.5	0.0	
100	PI2 BPSK	1	271	20.97	21.14	20.96			
100	PI2 BPSK	135	0	21.00	21.16	21.09	22.5	0.0	
100	PI2 BPSK	135	69	21.03	21.10	20.98	22.5	0.0	
100	PI2 BPSK	135	138	21.09	21.12	21.09	22.5	0.0	
100	PI2 BPSK	270	0	21.11	21.21	21.09			
100	QPSK	1	1	21.23	21.27	21.18			
100	QPSK	1	137	21.20	21.25	21.19	22.5	0.0	
100	QPSK	1	271	21.05	21.20	21.06			
100	QPSK	135	0	21.10	21.18	21.03	21.5	1.0	
100	QPSK	135	69	21.19	21.22	21.13	22.5	0.0	
100	QPSK	135	138	21.07	21.09	20.93	21.5	1.0	
100	QPSK	270	0	21.12	21.16	21.06			
100	16QAM	1	1	20.88	21.06	20.90	22.5	0.0	
100	64QAM	1	1	20.32	20.30	20.09	21.5	1.0	
100	256QAM	1	1	18.13	18.20	18.14	19.5	3.0	
Channel				649998	656000	663334			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.06	21.22	21.16	22.5	0.0	
Channel				649334	656000	662998			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.12	21.25	21.04	22.5	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.03	21.14	21.02	22.5	0.0	
Channel				648334	656000	663666			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.11	21.22	21.11	22.5	0.0	
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.11	21.22	21.11	22.5	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.18	21.14	21.15	22.5	0.0	
Channel				647888	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.07	21.23	21.02	22.5	0.0	
Channel				647334	656000	664666			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.09	21.13	21.10	22.5	0.0	
Channel				647188	656000	664834			
Frequency (MHz)				3705.02	3840	3975.01			
15	QPSK	1	1	21.08	21.11	21.10	22.5	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	21.09	21.23	21.08	22.5	0.0	



### PC3 Part27Q n77 Ant0 DS15

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3500.01	21.18			
100	PI2 BPSK	1	137	21.26	21.18		22.5	0.0
100	PI2 BPSK	1	271	21.08	21.18		22.5	0.0
100	PI2 BPSK	135	0	21.16	21.18		22.5	0.0
100	PI2 BPSK	135	69	21.25	21.18		22.5	0.0
100	PI2 BPSK	135	138	21.16	21.18		22.5	0.0
100	PI2 BPSK	270	0	21.18	21.18		22.5	0.0
100	QPSK	1	1	21.53				
100	QPSK	1	137	21.27			22.5	0.0
100	QPSK	1	271	21.14			21.5	1.0
100	QPSK	135	0	21.21			21.5	1.0
100	QPSK	135	69	21.24			22.5	0.0
100	QPSK	135	138	21.09			21.5	1.0
100	QPSK	270	0	21.16			22.5	0.0
100	16QAM	1	1	21.25			22.5	0.0
100	64QAM	1	1	20.58			21.5	1.0
100	256QAM	1	1	18.49			19.5	3.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63334	63368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	385	3500.01	3505.02	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	63268	63334	63400	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3483.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3480	3500.01	3520.02	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	63134	63334	63334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	63168	63334	63360	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	63100	63334	63368	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	63034	63334	63634	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)

### PC3 Part27O n78 Ant0 Default DS15

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137	20.74			22.0	0.0
100	PI2 BPSK	1	271	20.70			22.0	0.0
100	PI2 BPSK	135	0	20.63			22.0	0.0
100	PI2 BPSK	135	69	20.62			22.0	0.0
100	PI2 BPSK	135	138	20.73			22.0	0.0
100	PI2 BPSK	270	0	20.64			22.0	0.0
100	QPSK	1	1	20.79				
100	QPSK	1	137	20.63			22.0	0.0
100	QPSK	1	271	20.66			22.0	0.0
100	QPSK	135	0	20.69			22.0	0.0
100	QPSK	135	69	20.71			22.0	0.0
100	QPSK	135	138	20.60			22.0	0.0
100	QPSK	270	0	20.68			22.0	0.0
100	16QAM	1	1	20.70			20.5	1.5
100	64QAM	1	1	19.83			20.5	1.5
100	256QAM	1	1	17.63			18.5	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3720	3750	3760	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64788	65000	65234	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3715.02	3750	3785.01	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3705	3750	3795	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64718	65000	65234	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3700.01	3750	3790.02	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3705	3750	3795	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	22.0	0.0

### PC2 Part27O n78 Ant0 Default DS15

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	3750	3750	3750		
100	PI2 BPSK	1	137	23.84			25.0	0.0
100	PI2 BPSK	1	271	23.53			25.0	0.0
100	PI2 BPSK	1	271	23.52			25.0	0.0
100	PI2 BPSK	135	0	23.08			24.5	0.5
100	PI2 BPSK	135	69	23.50			25.0	0.0
100	PI2 BPSK	135	138	22.94			24.5	0.5
100	PI2 BPSK	270	0	23.08			24.5	0.5
100	QPSK	1	1	23.89				
100	QPSK	1	137	23.55			25.0	0.0
100	QPSK	1	271	23.43			24.0	1.0
100	QPSK	135	0	23.40			25.0	0.0
100	QPSK	135	69	23.61			24.0	1.0
100	QPSK	135	138	22.53			24.0	1.0
100	QPSK	270	0	22.48			24.0	1.0
100	16QAM	1	1	22.41			24.0	1.0
100	64QAM	1	1	20.83			22.5	2.5
100	256QAM	1	1	18.88			20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65068	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3760.02	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65100	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	3735	3750	3765	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64868	65000	65134	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3750	3770.01	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	64800	65000	65200	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	3735	3750	3760	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	64788	65000	65234	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	3725.01	3750	3785.01	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	3715.02	3750	3785.01	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	64718	65000	65234	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	3710.01	3750	3790.02	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	3705	3750	3795	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	64700	65000	65300	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	3705	3750	3795	25.0	0.0





PC3 Part27Q n78 Ant0 Default DSI5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	20.98	20.98		
100	PI2 BPSK	1	137	20.98	20.98		
100	PI2 BPSK	1	271	20.93	20.93		
100	PI2 BPSK	135	0	20.92	20.92	22.0	0.0
100	PI2 BPSK	135	69	20.99	20.99	22.0	0.0
100	PI2 BPSK	135	138	20.94	20.94		
100	PI2 BPSK	270	0	20.82	20.82	22.0	0.0
100	QPSK	1	1	21.02			
100	QPSK	1	137	20.92	20.92	22.0	0.0
100	QPSK	1	271	20.87	20.87		
100	QPSK	135	0	20.96	20.96	22.0	0.0
100	QPSK	135	69	21.01	21.01		
100	QPSK	135	138	20.92	20.92	22.0	0.0
100	QPSK	270	0	20.84	20.84		
100	16QAM	1	1	20.87	20.87	22.0	0.0
100	64QAM	1	1	19.81	19.81	20.5	1.5
100	256QAM	1	1	17.82	17.82	18.5	3.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.98	20.95	21.00	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	21.02	20.91	20.98	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.95	21.00	20.97	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.87	20.95	20.99	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.88	20.91	20.86	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	21.00	20.99	20.93	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.92	20.92	20.95	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.98	20.89	20.93	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.99	20.98	20.92	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.89	20.85	21.00	0.0

PC2 Part27Q n78 Ant0 Default DSI5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	24.04	24.04		
100	PI2 BPSK	1	137	23.90	23.90		
100	PI2 BPSK	1	271	23.89	23.89		
100	PI2 BPSK	135	0	23.48	23.48	25.0	0.0
100	PI2 BPSK	135	69	23.90	23.90	25.0	0.0
100	PI2 BPSK	135	138	23.89	23.89		
100	PI2 BPSK	270	0	23.54	23.54	24.5	0.5
100	QPSK	1	1	24.08			
100	QPSK	1	137	24.02	24.02	25.0	0.0
100	QPSK	1	271	23.99	23.99		
100	QPSK	135	0	22.92	22.92	24.0	1.0
100	QPSK	135	69	23.94	23.94	25.0	0.0
100	QPSK	135	138	23.07	23.07	24.0	1.0
100	QPSK	270	0	23.10	23.10	24.0	1.0
100	16QAM	1	1	22.92	22.92	24.0	1.0
100	64QAM	1	1	21.37	21.37	22.5	2.5
100	256QAM	1	1	19.37	19.37	20.5	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	24.05	24.06	23.96	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	24.01	23.97	24.02	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	24.00	24.05	24.05	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	24.02	24.02	24.03	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.96	23.91	24.05	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.92	24.02	24.03	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	24.00	23.95	23.99	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	24.06	23.93	23.98	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	24.02	23.99	23.91	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.91	24.08	23.91	0.0



n5 Ant1 DSI5								
BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Middle Ch. Freq.	High Ch. Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.05	23.07	23.19		
20	PI2 BPSK	1	53	23.16	23.14	22.94	24.0	0.0
20	PI2 BPSK	1	104	22.60	22.89	22.95		
20	PI2 BPSK	50	0	23.18	23.25	23.01	24.0	0.0
20	PI2 BPSK	50	28	23.02	23.14	22.94	24.0	0.0
20	PI2 BPSK	50	56	23.32	23.11	22.97	24.0	0.0
20	PI2 BPSK	100	0	23.24	23.38	23.18		
20	QPSK	1	1	22.98	23.45	23.08		
20	QPSK	1	53	22.87	22.86	22.80	24.0	0.0
20	QPSK	1	104	23.09	23.15	23.19		
20	QPSK	50	0	23.12	23.10	22.96	24.0	0.0
20	QPSK	50	28	23.06	23.24	22.91	24.0	0.0
20	QPSK	50	56	23.06	23.17	23.17	24.0	0.0
20	QPSK	100	0	23.15	23.23	23.04		
20	16QAM	1	1	23.27	23.37	23.17	24.0	0.0
20	64QAM	1	1	21.84	21.93	21.78	22.5	1.5
20	256QAM	1	1	20.14	20.03	20.01	20.5	3.5
Channel				168300	167300	168300		
Frequency (MHz)				831.5	835.5	841.5		
15	QPSK	1	1	23.06	23.13	22.93	24.0	0.0
Channel				165800	167300	168800		
Frequency (MHz)				839	836.5	841		
10	QPSK	1	1	23.19	22.85	22.53	24.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.03	22.99	22.98	24.0	0.0



n7 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 504000	Middle Ch. / Freq. 507000	High Ch. / Freq. 510000		
Channel				2530	2535	2550		
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.07	22.27	22.20	23.0	0.0
40	PI/2 BPSK	1	108	22.04	22.17	22.15		
40	PI/2 BPSK	1	214	21.89	21.21	21.96		
40	PI/2 BPSK	108	0	22.14	22.28	22.26	23.0	0.0
40	PI/2 BPSK	108	54	21.97	22.13	21.94	23.0	0.0
40	PI/2 BPSK	108	108	22.06	22.19	21.98	23.0	0.0
40	PI/2 BPSK	216	0	21.93	22.14	22.23	23.0	0.0
40	QPSK	1	1	22.18	22.33	22.31		
40	QPSK	1	108	21.11	21.22	21.98	23.0	0.0
40	QPSK	1	214	22.00	22.23	22.01		
40	QPSK	108	0	22.18	22.20	21.98	23.0	0.0
40	QPSK	108	54	22.11	22.31	22.21	23.0	0.0
40	QPSK	108	108	22.10	22.12	22.10	23.0	0.0
40	QPSK	216	0	22.05	22.15	22.14	23.0	0.0
40	16QAM	1	1	22.20	22.55	22.05	23.0	0.0
40	64QAM	1	1	21.18	21.38	21.30	22.5	0.5
40	256QAM	1	1	19.55	19.48	19.35	20.5	2.5
Channel				503000	507000	510000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.14	22.04	22.12	23.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2545	257.5		
25	QPSK	1	1	22.13	22.17	22.02	23.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.12	22.21	21.99	23.0	0.0
Channel				501500	507000	515500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.07	22.01	22.13	23.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.04	22.01	22.14	23.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.05	22.23	22.05	23.0	0.0

n66 Ant3 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel				1730	1745	1760		
Frequency (MHz)								
40	PI/2 BPSK	1	1	23.52	23.56	23.40	24.0	0.0
40	PI/2 BPSK	1	108	23.44	23.49	23.45		
40	PI/2 BPSK	1	214	23.40	23.46	23.40		
40	PI/2 BPSK	108	0	23.41	23.39	23.31	24.0	0.0
40	PI/2 BPSK	108	54	23.27	23.39	23.36	24.0	0.0
40	PI/2 BPSK	108	108	23.43	23.25	23.29	24.0	0.0
40	PI/2 BPSK	216	0	23.41	23.46	23.38	24.0	0.0
40	QPSK	1	1	23.54	23.59	23.56		
40	QPSK	1	108	23.52	23.53	23.37	24.0	0.0
40	QPSK	1	214	23.28	23.40	23.48		
40	QPSK	108	0	23.41	23.49	23.28	24.0	0.0
40	QPSK	108	54	23.42	23.52	23.38	24.0	0.0
40	QPSK	108	108	23.32	23.41	23.39	24.0	0.0
40	QPSK	216	0	23.41	23.43	23.35	24.0	0.0
40	16QAM	1	1	23.45	23.45	23.23	24.0	0.0
40	64QAM	1	1	21.86	21.78	21.69	22.5	1.5
40	256QAM	1	1	19.83	19.92	19.79	20.5	3.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.21	23.23	23.25	24.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.35	23.30	23.25	24.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.34	23.42	23.30	24.0	0.0
Channel				342500	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.32	24.27	24.37	#REF!	0.0
Channel				342000	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.21	23.41	23.25	24.0	0.0



n38 Ant3 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 518004	Middle Ch. / Freq. 519000	High Ch. / Freq. 519996			
Channel				2590.02	2595	2599.98			
Frequency (MHz)									
40	PI/2 BPSK	1	1	21.43	21.79	21.61			
40	PI/2 BPSK	1	53	21.29	21.48	21.47		22.5	0.0
40	PI/2 BPSK	1	104	21.52	21.46	21.44			
40	PI/2 BPSK	50	0	21.60	21.50	21.70		22.5	0.0
40	PI/2 BPSK	50	28	21.59	21.70	21.56		22.5	0.0
40	PI/2 BPSK	50	56	21.47	21.94	21.80		22.5	0.0
40	PI/2 BPSK	100	0	21.33	21.38	21.67		22.5	0.0
40	QPSK	1	1	21.78	21.86	21.56			
40	QPSK	1	53	21.60	21.62	21.81		22.5	0.0
40	QPSK	1	104	21.47	21.71	21.39			
40	QPSK	50	0	21.57	21.39	21.39		22.5	0.0
40	QPSK	50	28	21.39	21.86	21.52		22.5	0.0
40	QPSK	50	56	21.21	21.43	21.55		22.5	0.0
40	QPSK	100	0	21.34	21.38	21.23		22.5	0.0
40	16QAM	1	1	21.39	21.37	21.32		22.5	0.0
40	64QAM	1	1	20.95	21.40	21.20		22.5	0.0
40	256QAM	1	1	19.38	19.82	19.83		20.5	2.0
Channel				5170.02	519000	520996			
Frequency (MHz)				2585.91	2595	2604.98			
30	QPSK	1	1	21.42	21.45	21.27		22.5	0.0
Channel				516000	519000	520000			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	21.34	21.33	21.16		22.5	0.0
Channel				515502	519000	524988			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.15	21.55	21.30		22.5	0.0
Channel				515004	519000	526996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.47	21.38	21.23		22.5	0.0

n41 Ant3 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power		Power		Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 509202	Middle Ch. / Freq. 518598	High Ch. / Freq. 528000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	PI/2 BPSK	1	1	21.67	21.95	21.89			
100	PI/2 BPSK	1	137	21.39	21.54	21.82		22.5	0.0
100	PI/2 BPSK	1	271	21.83	21.61	21.74			
100	PI/2 BPSK	135	0	21.68	21.83	21.86		22.5	0.0
100	PI/2 BPSK	135	69	21.82	21.72	21.76		22.5	0.0
100	PI/2 BPSK	135	138	21.80	21.72	21.94		22.5	0.0
100	PI/2 BPSK	270	0	21.59	21.56	21.80		22.5	0.0
100	QPSK	1	1	21.89	21.99	21.92			
100	QPSK	1	137	21.66	21.74	21.91		22.5	0.0
100	QPSK	1	271	21.81	21.81	21.81			
100	QPSK	135	0	21.83	21.69	21.56		22.5	0.0
100	QPSK	135	69	21.69	21.82	21.88		22.5	0.0
100	QPSK	135	138	21.58	21.52	21.83		22.5	0.0
100	QPSK	270	0	21.53	21.62	21.52		22.5	0.0
100	16QAM	1	1	21.48	21.45	21.38		22.5	0.0
100	64QAM	1	1	21.34	21.73	21.49		22.5	0.0
100	256QAM	1	1	19.63	19.92	19.86		20.5	2.0
Channel				509200	518598	528000			
Frequency (MHz)				2551	2592.99	2644.98			
90	QPSK	1	1	21.52	21.85	21.51		22.5	0.0
Channel				507204	518598	529698			
Frequency (MHz)				2538.02	2592.99	2648.97			
80	QPSK	1	1	21.83	21.65	21.11		22.5	0.0
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	21.65	21.65	21.61		22.5	0.0
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	21.64	21.85	21.61		22.5	0.0
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	21.80	21.69	21.48		22.5	0.0
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	21.83	21.65	21.59		22.5	0.0
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	21.82	21.84	21.51		22.5	0.0
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.76	21.90	21.76		22.5	0.0



n7 Ant4 DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 504000	Middle Ch. / Freq. 507000	High Ch. / Freq. 510000		
Channel				2530	2535	2550		
Frequency (MHz)								
40	PI/2 BPSK	1	1	18.92	18.99	19.00	19.5	0.0
40	PI/2 BPSK	1	108	19.01	19.00	18.98		
40	PI/2 BPSK	1	214	18.97	18.94	18.95		
40	PI/2 BPSK	108	0	18.94	18.85	19.01	19.5	0.0
40	PI/2 BPSK	108	54	18.86	19.00	18.84	19.5	0.0
40	PI/2 BPSK	108	108	18.85	18.94	18.81		
40	PI/2 BPSK	216	0	18.93	18.95	18.88	19.5	0.0
40	QPSK	1	1	19.00	19.02	18.96		
40	QPSK	1	108	18.91	18.99	18.94	19.5	0.0
40	QPSK	1	214	18.89	18.93	18.90		
40	QPSK	108	0	18.93	18.88	19.00	19.5	0.0
40	QPSK	108	54	18.96	18.99	18.91	19.5	0.0
40	QPSK	108	108	18.81	18.88	18.83	19.5	0.0
40	QPSK	216	0	18.83	18.80	18.85		
40	16QAM	1	1	18.82	18.88	18.90	19.5	0.0
40	64QAM	1	1	18.83	18.92	18.89	19.5	0.0
40	256QAM	1	1	18.24	18.24	18.15	19.0	0.5
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.98	18.91	18.83	19.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2537.5		
25	QPSK	1	1	18.91	18.93	18.93	19.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.89	18.99	18.87	19.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2542.5		
15	QPSK	1	1	18.87	18.98	18.92	19.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.85	18.93	18.86	19.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.84	18.95	18.88	19.5	0.0

n66 Ant4 Default DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel				1730	1745	1760		
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.74	22.85	22.89	23.5	0.0
40	PI/2 BPSK	1	108	22.72	22.81	22.77		
40	PI/2 BPSK	1	214	22.69	22.78	22.63		
40	PI/2 BPSK	108	0	21.90	21.99	21.99	23.0	0.5
40	PI/2 BPSK	108	54	22.71	22.79	22.76	23.5	0.0
40	PI/2 BPSK	108	108	22.67	22.28	22.23		
40	PI/2 BPSK	216	0	22.05	22.25	22.10	23.0	0.5
40	QPSK	1	1	22.74	22.88	22.87		
40	QPSK	1	108	22.78	22.86	22.85	23.5	0.0
40	QPSK	1	214	22.76	22.81	22.72		
40	QPSK	108	0	21.42	21.55	21.43	22.5	1.0
40	QPSK	108	54	22.55	22.74	22.70	23.5	0.0
40	QPSK	108	108	21.74	21.83	21.75	22.5	1.0
40	QPSK	216	0	21.65	21.69	21.53		
40	16QAM	1	1	21.98	21.47	21.51	22.5	1.0
40	64QAM	1	1	18.47	18.63	18.50	21.0	2.5
40	256QAM	1	1	17.60	17.68	17.42	19.0	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.67	22.85	22.79	23.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.70	22.71	22.78	23.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.68	22.82	22.75	23.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.67	22.81	22.85	#REF!	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1772.5		
5	QPSK	1	1	22.57	22.72	22.69	23.5	0.0



n38 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 518004	Middle Ch. / Freq. 519000	High Ch. / Freq. 519996		
Channel				2590.02	2595	2599.98		
Frequency (MHz)								
40	PI/2 BPSK	1	1	18.99	19.06	18.96		
40	PI/2 BPSK	1	53	18.96	19.10	18.98	20.0	0.0
40	PI/2 BPSK	1	104	19.06	19.17	19.11		
40	PI/2 BPSK	50	0	19.01	19.16	19.09	20.0	0.0
40	PI/2 BPSK	50	28	18.99	19.08	18.99	20.0	0.0
40	PI/2 BPSK	50	56	19.07	19.09	18.94	20.0	0.0
40	PI/2 BPSK	100	0	19.10	19.13	19.07		
40	QPSK	1	1	19.28	19.28	19.15		
40	QPSK	1	53	19.01	19.09	18.94	20.0	0.0
40	QPSK	1	104	19.03	19.12	19.06		
40	QPSK	50	0	18.97	19.15	19.01	20.0	0.0
40	QPSK	50	28	19.09	19.21	19.18	20.0	0.0
40	QPSK	50	56	18.99	19.10	19.04	20.0	0.0
40	QPSK	100	0	19.06	19.13	19.04	20.0	0.0
40	16QAM	1	1	18.93	19.07	19.04	20.0	0.0
40	64QAM	1	1	18.87	19.03	18.99	20.0	0.0
40	256QAM	1	1	17.71	17.83	17.77	19.0	1.0
Channel				5170.02	519000	520996		
Frequency (MHz)				2595.91	2595	2604.98		
30	QPSK	1	1	18.18	18.21	19.12	20.0	0.0
Channel				516000	519000	520000		
Frequency (MHz)				2595	2595	2610		
20	QPSK	1	1	19.11	19.14	19.10	20.0	0.0
Channel				515502	519000	524988		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.11	19.16	19.03	20.0	0.0
Channel				515004	519000	526996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.12	19.09	19.06	20.0	0.0

n41 Ant4 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 509202	Middle Ch. / Freq. 518596	High Ch. / Freq. 528000		
Channel				2546.01	2592.99	2640		
Frequency (MHz)								
100	PI/2 BPSK	1	1	18.92	18.97	18.87		
100	PI/2 BPSK	1	137	19.01	19.07	18.98	20.0	0.0
100	PI/2 BPSK	1	271	18.91	19.02	18.78		
100	PI/2 BPSK	135	0	18.85	18.94	18.73	20.0	0.0
100	PI/2 BPSK	135	69	18.92	19.01	18.89	20.0	0.0
100	PI/2 BPSK	135	138	18.93	19.00	18.71	20.0	0.0
100	PI/2 BPSK	270	0	18.96	18.95	18.68		
100	QPSK	1	1	19.04	19.08	18.83		
100	QPSK	1	137	18.95	19.04	18.77	20.0	0.0
100	QPSK	1	271	18.90	18.92	18.68		
100	QPSK	135	0	18.98	19.02	18.77	20.0	0.0
100	QPSK	135	69	18.92	19.03	18.71	20.0	0.0
100	QPSK	135	138	18.93	18.95	18.79	20.0	0.0
100	QPSK	270	0	18.96	19.01	18.85		
100	16QAM	1	1	18.92	19.03	18.79	20.0	0.0
100	64QAM	1	1	18.94	18.98	18.76	20.0	0.0
100	256QAM	1	1	17.65	17.73	17.61	19.0	1.0
Channel				509200	518596	528000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.86	18.99	18.89	20.0	0.0
Channel				507204	518596	529696		
Frequency (MHz)				2536.02	2592.99	2648.99		
80	QPSK	1	1	18.95	19.01	18.84	20.0	0.0
Channel				506202	518596	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.99	19.01	18.90	20.0	0.0
Channel				505200	518596	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.97	18.93	18.82	20.0	0.0
Channel				504204	518596	532996		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.93	18.93	18.81	20.0	0.0
Channel				503202	518596	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.89	18.93	18.99	20.0	0.0
Channel				502200	518596	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.88	19.01	18.87	20.0	0.0
Channel				501204	518596	535996		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.86	18.87	18.89	20.0	0.0



n7 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 504000	Middle Ch. / Freq. 507000	High Ch. / Freq. 510000		
Channel				2530	2535	2550		
Frequency (MHz)								
40	PI2 BPSK	1	1	17.83	17.86	17.70		
40	PI2 BPSK	1	108	17.75	17.73	17.81	18.5	0.0
40	PI2 BPSK	1	214	17.82	17.71	17.83		
40	PI2 BPSK	108	0	17.73	17.62	17.72	18.5	0.0
40	PI2 BPSK	108	54	17.66	17.70	17.60	18.5	0.0
40	PI2 BPSK	108	108	17.67	17.73	17.70	18.5	0.0
40	PI2 BPSK	216	0	17.77	17.79	17.75	18.5	0.0
40	QPSK	1	1	17.86	17.87	17.73		
40	QPSK	1	108	17.81	17.83	17.80	18.5	0.0
40	QPSK	1	214	17.80	17.61	17.75		
40	QPSK	108	0	17.71	17.68	17.85	18.5	0.0
40	QPSK	108	54	17.71	17.81	17.74	18.5	0.0
40	QPSK	108	108	17.78	17.68	17.66	18.5	0.0
40	QPSK	216	0	17.69	17.79	17.75	18.5	0.0
40	16QAM	1	1	17.73	17.68	17.70	18.5	0.0
40	64QAM	1	1	17.58	17.55	17.79	18.5	0.0
40	256QAM	1	1	17.55	17.73	17.64	18.5	0.0
Channel				503000	507000	510000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.74	17.84	17.57	18.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2527.5		
25	QPSK	1	1	17.72	17.77	17.58	18.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.42	17.39	17.57	18.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2542.5		
15	QPSK	1	1	17.80	17.73	17.83	18.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.75	17.75	17.55	18.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.82	17.73	17.84	18.5	0.0

n66 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 346000	Middle Ch. / Freq. 349000	High Ch. / Freq. 352000		
Channel				1730	1745	1760		
Frequency (MHz)								
40	PI2 BPSK	1	1	17.76	17.84	17.84		
40	PI2 BPSK	1	108	17.81	17.87	17.74	18.5	0.0
40	PI2 BPSK	1	214	17.68	17.71	17.79		
40	PI2 BPSK	108	0	17.75	17.92	17.81	18.5	0.0
40	PI2 BPSK	108	54	17.59	17.78	17.83	18.5	0.0
40	PI2 BPSK	108	108	17.69	17.74	17.96	18.5	0.0
40	PI2 BPSK	216	0	17.70	17.71	17.86	18.5	0.0
40	QPSK	1	1	17.90	17.98	17.78		
40	QPSK	1	108	17.81	17.86	17.84	18.5	0.0
40	QPSK	1	214	17.77	17.72	17.86		
40	QPSK	108	0	17.70	17.68	17.88	18.5	0.0
40	QPSK	108	54	17.81	17.84	17.86	18.5	0.0
40	QPSK	108	108	17.77	17.74	17.87	18.5	0.0
40	QPSK	216	0	17.81	17.88	17.79	18.5	0.0
40	16QAM	1	1	17.43	17.69	17.68	18.5	0.0
40	64QAM	1	1	17.42	17.47	17.67	18.5	0.0
40	256QAM	1	1	17.34	17.18	17.23	18.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.15	18.16	18.01	18.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.16	18.25	18.03	18.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.11	18.18	18.02	18.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.13	18.15	18.07	18.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1772.5		
5	QPSK	1	1	18.14	18.12	18.07	18.5	0.0



n38 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 518004	Middle Ch. / Freq. 519000	High Ch. / Freq. 519996		
Channel				2590.02	2595	2599.98		
Frequency (MHz)								
40	PI/2 BPSK	1	1	17.45	17.47	17.51	18.0	0.0
40	PI/2 BPSK	1	53	17.46	17.43	17.42		
40	PI/2 BPSK	1	104	17.56	17.39	17.58		
40	PI/2 BPSK	50	0	17.36	17.37	17.51	18.0	0.0
40	PI/2 BPSK	50	28	17.49	17.36	17.35	18.0	0.0
40	PI/2 BPSK	50	56	17.26	17.37	17.37		
40	PI/2 BPSK	100	0	17.52	17.42	17.36	18.0	0.0
40	QPSK	1	1	17.56	17.61	17.43		
40	QPSK	1	53	17.41	17.55	17.42	18.0	0.0
40	QPSK	1	104	17.22	17.32	17.54		
40	QPSK	50	0	17.24	17.51	17.54	18.0	0.0
40	QPSK	50	28	17.47	17.55	17.43	18.0	0.0
40	QPSK	50	56	17.44	17.41	17.37	18.0	0.0
40	QPSK	100	0	17.26	17.48	17.41		
40	16QAM	1	1	17.40	17.39	17.33	18.0	0.0
40	64QAM	1	1	17.29	17.29	17.40	18.0	0.0
40	256QAM	1	1	17.19	17.33	17.39	18.0	0.0
Channel				5170.02	519000	520996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2585.91	2595	2604.98		
30	QPSK	1	1	17.53	17.54	17.39	18.0	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2575	2595	2610		
20	QPSK	1	1	17.51	17.52	17.37	18.0	0.0
Channel				515502	519000	524988	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	17.51	17.51	17.39	18.0	0.0
Channel				515004	519000	520996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	17.51	17.47	17.37	18.0	0.0

n41 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq. 509202	Middle Ch. / Freq. 518596	High Ch. / Freq. 528000		
Channel				2546.01	2592.99	2640		
Frequency (MHz)								
100	PI/2 BPSK	1	1	17.43	17.49	17.51	18.0	0.0
100	PI/2 BPSK	1	137	17.25	17.55	17.54		
100	PI/2 BPSK	1	271	17.52	17.46	17.48		
100	PI/2 BPSK	135	0	17.36	17.34	17.47	18.0	0.0
100	PI/2 BPSK	135	69	17.39	17.33	17.33	18.0	0.0
100	PI/2 BPSK	135	138	17.30	17.29	17.22		
100	PI/2 BPSK	270	0	17.46	17.49	17.38	18.0	0.0
100	QPSK	1	1	17.47	17.57	17.55		
100	QPSK	1	137	17.41	17.48	17.43	18.0	0.0
100	QPSK	1	271	17.21	17.36	17.35		
100	QPSK	135	0	17.29	17.32	17.47	18.0	0.0
100	QPSK	135	69	17.46	17.55	17.45	18.0	0.0
100	QPSK	135	138	17.31	17.36	17.29	18.0	0.0
100	QPSK	270	0	17.46	17.48	17.44	18.0	0.0
100	16QAM	1	1	17.35	17.33	17.48	18.0	0.0
100	64QAM	1	1	17.23	17.27	17.48	18.0	0.0
100	256QAM	1	1	17.20	17.45	17.38	18.0	0.0
Channel				509200	518596	526996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2551	2592.99	2644.98		
90	QPSK	1	1	17.32	17.43	17.46	18.0	0.0
Channel				507204	518596	526996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2644.98		
80	QPSK	1	1	17.27	17.53	17.44	18.0	0.0
Channel				506202	518596	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.44	17.50	17.43	18.0	0.0
Channel				505200	518596	533996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.41	17.40	17.42	18.0	0.0
Channel				504204	518596	532996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2644.98		
50	QPSK	1	1	17.40	17.42	17.51	18.0	0.0
Channel				503202	518596	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.42	17.41	17.43	18.0	0.0
Channel				502200	518596	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.31	17.41	17.42	18.0	0.0
Channel				501204	518596	533996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.44	17.48	17.45	18.0	0.0





### PC3 Part270 n77 Ant9 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.13	15.13	15.11		
100	PI2 BPSK	1	137	14.94	15.00	15.04	15.5	0.0
100	PI2 BPSK	1	271	14.98	15.04	15.10		
100	PI2 BPSK	135	0	15.09	14.92	14.94	15.5	0.0
100	PI2 BPSK	135	69	14.90	15.01	14.88	15.5	0.0
100	PI2 BPSK	135	138	14.92	14.97	15.05		
100	PI2 BPSK	270	0	15.06	15.15	14.97	15.5	0.0
100	QPSK	1	1	15.11	15.17	15.12		
100	QPSK	1	137	15.04	15.08	15.05	15.5	0.0
100	QPSK	1	271	14.99	14.90	14.94		
100	QPSK	135	0	14.89	15.05	15.09	15.5	0.0
100	QPSK	135	69	15.06	15.15	15.10	15.5	0.0
100	QPSK	135	138	15.04	15.06	15.01		
100	QPSK	270	0	15.03	15.10	14.96	15.5	0.0
100	16QAM	1	1	15.04	15.06	14.98	15.5	0.0
100	16QAM	1	1	15.09	15.12	15.09	15.5	0.0
100	256QAM	1	1	15.04	15.10	15.09	15.5	0.0
Channel				659000	659000	659334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.98	15.08	14.98	15.5	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.01	15.03	14.99	15.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.05	15.11	14.97	15.5	0.0
Channel				649968	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.05	15.10	15.09	15.5	0.0
Channel				649334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.08	15.01	15.06	15.5	0.0
Channel				648000	656000	664900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.93	15.00	15.10	15.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.02	15.10	15.08	15.5	0.0
Channel				649334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.08	15.09	15.08	15.5	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3975.01		
15	QPSK	1	1	15.06	15.14	15.08	15.5	0.0
Channel				647000	656000	665900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.95	15.02	15.08	15.5	0.0

### PC3 Part270q n77 Ant9 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633334	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	15.14	15.14	15.14		
100	PI2 BPSK	1	137	15.02	15.02	15.02	15.5	0.0
100	PI2 BPSK	1	271	15.05	15.05	15.05		
100	PI2 BPSK	135	0	14.91	14.91	14.91	15.5	0.0
100	PI2 BPSK	135	69	15.05	15.05	15.05	15.5	0.0
100	PI2 BPSK	135	138	14.76	14.76	14.76		
100	PI2 BPSK	270	0	15.14	15.14	15.14	15.5	0.0
100	QPSK	1	1	15.20	15.20	15.20		
100	QPSK	1	137	15.11	15.11	15.11	15.5	0.0
100	QPSK	1	271	14.93	14.93	14.93		
100	QPSK	135	0	15.05	15.05	15.05	15.5	0.0
100	QPSK	135	69	15.14	15.14	15.14	15.5	0.0
100	QPSK	135	138	14.93	14.93	14.93		
100	QPSK	270	0	15.01	15.01	15.01	15.5	0.0
100	16QAM	1	1	14.98	14.98	14.98	15.5	0.0
100	16QAM	1	1	14.95	14.95	14.95	15.5	0.0
100	256QAM	1	1	14.94	14.94	14.94	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	15.16	15.09	15.18	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	15.14	15.12	15.02	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	15.09	15.08	15.13	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	15.10	15.16	15.08	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.01	3500.01	3530.01		
50	QPSK	1	1	15.03	15.04	15.10	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3535.01		
40	QPSK	1	1	15.10	15.07	15.09	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3540.02		
30	QPSK	1	1	15.03	15.06	15.04	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3545		
20	QPSK	1	1	15.05	15.03	15.07	15.5	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
15	QPSK	1	1	15.04	15.14	15.15	15.5	0.0
Channel				630334	633334	636834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.01	3500.01	3545.01		
10	QPSK	1	1	15.03	15.17	15.11	15.5	0.0

### PC3 Part270 n78 Ant9 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	15.54	15.54	15.54		
100	PI2 BPSK	1	137	15.65	15.65	15.65	17.5	0.0
100	PI2 BPSK	1	271	15.57	15.57	15.57		
100	PI2 BPSK	135	0	15.60	15.60	15.60	17.5	0.0
100	PI2 BPSK	135	69	15.65	15.65	15.65	17.5	0.0
100	PI2 BPSK	135	138	15.51	15.51	15.51		
100	PI2 BPSK	270	0	15.63	15.63	15.63	17.5	0.0
100	QPSK	1	1	15.67	15.67	15.67		
100	QPSK	1	137	15.61	15.61	15.61	17.5	0.0
100	QPSK	1	271	15.52	15.52	15.52		
100	QPSK	135	0	15.59	15.59	15.59	17.5	0.0
100	QPSK	135	69	15.61	15.61	15.61	17.5	0.0
100	QPSK	135	138	15.54	15.54	15.54		
100	QPSK	270	0	15.55	15.55	15.55	17.5	0.0
100	16QAM	1	1	15.51	15.51	15.51	17.5	0.0
100	16QAM	1	1	15.53	15.53	15.53	17.5	0.0
100	256QAM	1	1	15.59	15.59	15.59	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	15.62	15.54	15.61	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	15.59	15.59	15.59	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.59	15.62	15.63	17.5	0.0
Channel				648668	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.60	15.64	15.58	17.5	0.0
Channel				648334	650000	651968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.55	15.64	15.55	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.51	15.51	15.51	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	15.61	15.57	15.62	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	15.56	15.60	15.56	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	15.56	15.60	15.55	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1					



### PC2 Part270 n78 Ant9 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)				3750	3750	3750		
100	PI2 BPSK	1	1	18.67	18.67	18.67		
100	PI2 BPSK	1	137	18.67	18.67	18.67	20.5	0.0
100	PI2 BPSK	1	271	18.62	18.62	18.62		
100	PI2 BPSK	135	0	18.61	18.61	18.61	20.5	0.0
100	PI2 BPSK	135	69	18.58	18.58	18.58	20.5	0.0
100	PI2 BPSK	135	138	18.58	18.58	18.58	20.5	0.0
100	PI2 BPSK	270	0	18.62	18.62	18.62		
100	QPSK	1	1	18.74	18.74	18.74		
100	QPSK	1	137	18.68	18.68	18.68	20.5	0.0
100	QPSK	1	271	18.66	18.66	18.66		
100	QPSK	135	0	18.61	18.61	18.61	20.5	0.0
100	QPSK	135	69	18.70	18.70	18.70	20.5	0.0
100	QPSK	135	138	18.65	18.65	18.65	20.5	0.0
100	QPSK	270	0	18.66	18.66	18.66		
100	16QAM	1	1	18.66	18.66	18.66	20.5	0.0
100	64QAM	1	1	18.67	18.67	18.67	20.5	0.0
100	256QAM	1	1	18.62	18.62	18.62	20.5	0.0
Channel								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.65	18.53	18.63	20.5	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.57	18.63	18.54	20.5	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.56	18.51	18.54	20.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.54	18.51	18.56	20.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.56	18.61	18.54	20.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.60	18.54	18.53	20.5	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.58	18.57	18.51	20.5	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.54	18.56	18.57	20.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.56	18.52	18.51	20.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.58	18.52	18.58	20.5	0.0

### PC3 Part270 n78 Ant9 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	15.61	15.61	15.61		
100	PI2 BPSK	1	137	15.55	15.55	15.55	17.5	0.0
100	PI2 BPSK	1	271	15.60	15.60	15.60		
100	PI2 BPSK	135	0	15.58	15.58	15.58	17.5	0.0
100	PI2 BPSK	135	69	15.54	15.54	15.54	17.5	0.0
100	PI2 BPSK	135	138	15.51	15.51	15.51	17.5	0.0
100	PI2 BPSK	270	0	15.53	15.53	15.53		
100	QPSK	1	1	15.63	15.63	15.63		
100	QPSK	1	137	15.58	15.58	15.58	17.5	0.0
100	QPSK	1	271	15.52	15.52	15.52		
100	QPSK	135	0	15.54	15.54	15.54	17.5	0.0
100	QPSK	135	69	15.59	15.59	15.59	17.5	0.0
100	QPSK	135	138	15.51	15.51	15.51	17.5	0.0
100	QPSK	270	0	15.54	15.54	15.54		
100	16QAM	1	1	15.53	15.53	15.53	17.5	0.0
100	64QAM	1	1	15.60	15.60	15.60	17.5	0.0
100	256QAM	1	1	15.62	15.62	15.62	17.5	0.0
Channel								
Frequency (MHz)				633800	633334	633968	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	15.56	15.51	15.54	17.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	15.58	15.61	15.56	17.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.57	15.57	15.52	17.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	15.56	15.57	15.58	17.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.51	15.56	15.55	17.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	15.52	15.57	15.60	17.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	15.61	15.53	15.54	17.5	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.51	15.51	15.56	17.5	0.0
Channel								
Frequency (MHz)				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	15.58	15.59	15.53	17.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.54	15.51	15.61	17.5	0.0

### PC2 Part270 n78 Ant9 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.56	18.56	18.56		
100	PI2 BPSK	1	137	18.51	18.51	18.51	20.5	0.0
100	PI2 BPSK	1	271	18.54	18.54	18.54		
100	PI2 BPSK	135	0	18.52	18.52	18.52	20.5	0.0
100	PI2 BPSK	135	69	18.52	18.52	18.52	20.5	0.0
100	PI2 BPSK	135	138	18.56	18.56	18.56	20.5	0.0
100	PI2 BPSK	270	0	18.60	18.60	18.60		
100	QPSK	1	1	18.69	18.69	18.69		
100	QPSK	1	137	18.66	18.66	18.66	20.5	0.0
100	QPSK	1	271	18.53	18.53	18.53		
100	QPSK	135	0	18.56	18.56	18.56	20.5	0.0
100	QPSK	135	69	18.61	18.61	18.61	20.5	0.0
100	QPSK	135	138	18.53	18.53	18.53	20.5	0.0
100	QPSK	270	0	18.53	18.53	18.53		
100	16QAM	1	1	18.55	18.55	18.55	20.5	0.0
100	64QAM	1	1	18.54	18.54	18.54	20.5	0.0
100	256QAM	1	1	18.52	18.52	18.52	20.5	0.0
Channel								
Frequency (MHz)				633900	633334	633968	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.59	18.57	18.59	20.5	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.59	18.56	18.53	20.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.58	18.57	18.51	20.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.60	18.56	18.56	20.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.64	18.53	18.57	20.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	18.68	18.51	18.54	20.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.57	18.55	18.60	20.5	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.61	18.56	18.51	20.5	0.0
Channel								
Frequency (MHz)				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.63	18.54	18.52	20.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.65	18.57	18.55	20.5	0.0



PC3 Part270 n77 Ant10 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)				16.11	16.17	16.16			
100	PI/2 BPSK	1	1	16.11	16.17	16.16	17.2	0.0	
100	PI/2 BPSK	1	137	16.05	16.18	16.13			
100	PI/2 BPSK	1	271	16.20	16.20	16.19			
100	PI/2 BPSK	135	0	16.07	16.19	16.12	17.2	0.0	
100	PI/2 BPSK	135	69	16.06	16.18	16.10	17.2	0.0	
100	PI/2 BPSK	135	138	16.21	16.15	16.15	17.2	0.0	
100	PI/2 BPSK	270	0	16.09	16.14	16.12	17.2	0.0	
100	QPSK	1	1	16.09	16.32	16.17			
100	QPSK	1	137	16.03	16.18	16.18	17.2	0.0	
100	QPSK	1	271	16.19	16.21	16.18			
100	QPSK	135	0	16.15	16.18	16.12	17.2	0.0	
100	QPSK	135	69	16.08	16.28	16.17	17.2	0.0	
100	QPSK	135	138	16.18	16.23	16.18	17.2	0.0	
100	QPSK	135	138	16.12	16.25	16.15	17.2	0.0	
100	16QAM	1	1	16.10	16.20	16.12	17.2	0.0	
100	64QAM	1	1	16.07	16.18	16.10	17.2	0.0	
100	256QAM	1	1	16.19	16.20	16.19	17.2	0.0	
Channel				649968	650000	662034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.90	16.09	16.05	17.2	0.0	
Channel				649334	650000	662688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.01	3840	3940.02			
80	QPSK	1	1	15.90	16.11	16.09	17.2	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.99	16.10	16.03	17.2	0.0	
Channel				648968	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.98	16.04	16.08	17.2	0.0	
Channel				648334	650000	663968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.90	16.09	16.04	17.2	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.92	16.08	16.07	17.2	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.90	16.11	16.08	17.2	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.95	16.11	16.04	17.2	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.97	16.11	16.09	17.2	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.95	16.12	16.11	17.2	0.0	

PC3 Part27Q n77 Ant10 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 630000	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 636668	Tune-up limit (dBm)	MPR (dB)	
Channel				3500.01					
Frequency (MHz)				16.57					
100	PI/2 BPSK	1	1	16.57			17.2	0.0	
100	PI/2 BPSK	1	137	16.48					
100	PI/2 BPSK	1	271	16.37					
100	PI/2 BPSK	135	0	16.52			17.2	0.0	
100	PI/2 BPSK	135	69	16.51			17.2	0.0	
100	PI/2 BPSK	135	138	16.41			17.2	0.0	
100	PI/2 BPSK	270	0	16.50			17.2	0.0	
100	QPSK	1	1	16.72					
100	QPSK	1	137	16.55			17.2	0.0	
100	QPSK	1	271	16.51					
100	QPSK	135	0	16.52			17.2	0.0	
100	QPSK	135	69	16.56			17.2	0.0	
100	QPSK	135	138	16.51			17.2	0.0	
100	QPSK	135	138	16.55			17.2	0.0	
100	16QAM	1	1	16.36			17.2	0.0	
100	64QAM	1	1	16.49			17.2	0.0	
100	256QAM	1	1	16.38			17.2	0.0	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.51	16.51	16.50	17.2	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.02	3500.01	3510			
80	QPSK	1	1	16.52	16.46	16.55	17.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.53	16.47	16.55	17.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.47	16.55	16.46	17.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.47	16.50	16.49	17.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3471.01	3500.01	3530.01			
40	QPSK	1	1	16.53	16.47	16.55	17.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.51	16.52	16.53	17.2	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.49	16.55	16.48	17.2	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	16.54	16.47	16.53	17.2	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.54	16.48	16.48	17.2	0.0	



PC3 Part270 n78 Ant10 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 650000	Power High Ch. Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	3750	3750	3750			
100	PI/2 BPSK	1	137		15.78		17.5	0.0	
100	PI/2 BPSK	1	271		15.52				
100	PI/2 BPSK	1	271		15.80				
100	PI/2 BPSK	135	0		15.59		17.5	0.0	
100	PI/2 BPSK	135	69		15.54		17.5	0.0	
100	PI/2 BPSK	135	138		15.72				
100	PI/2 BPSK	270	0		15.53		17.5	0.0	
100	PI/2 BPSK	270	0		15.85				
100	QPSK	1	1		15.82				
100	QPSK	1	137		15.79		17.5	0.0	
100	QPSK	1	271		15.52				
100	QPSK	135	0		15.80		17.5	0.0	
100	QPSK	135	69		15.77		17.5	0.0	
100	QPSK	135	138		15.67				
100	QPSK	270	0		15.72		17.5	0.0	
100	QPSK	135	138		15.72				
100	16QAM	1	1		15.54		17.5	0.0	
100	16QAM	1	1		15.59		17.5	0.0	
100	256QAM	1	1		15.63		17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	15.73	15.71	15.78	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	15.76	15.65	15.74	17.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	15.72	15.67	15.70	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	15.68	15.77	15.75	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.66	15.76	15.73	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3760	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.67	15.77	15.72	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	15.79	15.78	15.74	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	15.71	15.75	15.71	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	15.68	15.73	15.75	17.5	0.0	

PC2 Part270 n78 Ant10 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 650000	Power High Ch. Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	3750	3750	3750			
100	PI/2 BPSK	1	137		18.65		20.5	0.0	
100	PI/2 BPSK	1	271		18.62				
100	PI/2 BPSK	1	271		18.52				
100	PI/2 BPSK	135	0		18.59		20.5	0.0	
100	PI/2 BPSK	135	69		18.61		20.5	0.0	
100	PI/2 BPSK	135	138		18.62				
100	PI/2 BPSK	270	0		18.62		20.5	0.0	
100	PI/2 BPSK	270	0		18.73				
100	QPSK	1	1		18.59		20.5	0.0	
100	QPSK	1	137		18.61				
100	QPSK	1	271		18.61				
100	QPSK	135	0		18.62		20.5	0.0	
100	QPSK	135	69		18.67		20.5	0.0	
100	QPSK	135	138		18.60				
100	QPSK	270	0		18.61		20.5	0.0	
100	16QAM	1	1		15.59		20.5	0.0	
100	16QAM	1	1		18.62		20.5	0.0	
100	256QAM	1	1		18.63		20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	18.55	18.55	18.65	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	18.59	18.55	18.54	20.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	18.64	18.54	18.63	20.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	18.60	18.63	18.68	20.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3750	3750.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	18.55	18.60	18.56	20.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3750	3760	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	18.69	18.67	18.53	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.59	18.54	18.88	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.54	18.56	18.68	20.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.60	18.67	18.61	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3705	3750	3795	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.57	18.68	18.67	20.5	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									
Frequency (MHz)									
100	PI/2 BPSK	1	1		16.27				
100	PI/2 BPSK	1	137		16.21				
100	PI/2 BPSK	1	271		16.17		17.5	0.0	
100	PI/2 BPSK	135	0		16.08		17.5	0.0	
100	PI/2 BPSK	135	69		15.98		17.5	0.0	
100	PI/2 BPSK	135	138		15.97				
100	PI/2 BPSK	270	0		16.17		17.5	0.0	
100	QPSK	1	1		16.38				
100	QPSK	1	137		16.28		17.5	0.0	
100	QPSK	1	271		15.98				
100	QPSK	135	0		16.05		17.5	0.0	
100	QPSK	135	69		16.31		17.5	0.0	
100	QPSK	135	138		16.17		17.5	0.0	
100	QPSK	270	0		16.28				
100	16QAM	1	1		16.08		17.5	0.0	
100	64QAM	1	1		16.05		17.5	0.0	
100	256QAM	1	1		16.18		17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668			
				3485	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
				15.73	15.71	15.76	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633334	634000			
				3480.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
				15.73	15.65	15.74	17.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334			
				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
				15.72	15.67	15.70	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631968	633334	633000			
				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
				15.68	15.77	15.75	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633334	635334			
				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
				15.07	15.77	15.72	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633334	635668			
				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
				15.79	15.78	15.74	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630568	633334	636000			
				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
				15.71	15.75	15.71	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630500	633334	636188			
				3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)	
				15.74	15.70	15.74	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630334	633334	636334			
				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
				15.66	15.73	15.75	17.5	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									
Frequency (MHz)									
100	PI/2 BPSK	1	1		18.97				
100	PI/2 BPSK	1	137		19.21				
100	PI/2 BPSK	1	271		19.18		20.5	0.0	
100	PI/2 BPSK	135	0		19.08		20.5	0.0	
100	PI/2 BPSK	135	69		19.04		20.5	0.0	
100	PI/2 BPSK	135	138		19.14				
100	PI/2 BPSK	270	0		19.04		20.5	0.0	
100	QPSK	1	1		19.23				
100	QPSK	1	137		19.18		20.5	0.0	
100	QPSK	1	271		19.15				
100	QPSK	135	0		19.01		20.5	0.0	
100	QPSK	135	69		19.20		20.5	0.0	
100	QPSK	135	138		19.15		20.5	0.0	
100	QPSK	270	0		19.16				
100	16QAM	1	1		19.11		20.5	0.0	
100	64QAM	1	1		19.08		20.5	0.0	
100	256QAM	1	1		19.02		20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668			
				3485	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
				19.11	19.11	18.99	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	632668	633334	634000			
				3480.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
				19.11	19.08	19.07	20.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	632334	633334	634334			
				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
				19.02	19.03	19.00	20.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	631968	633334	633000			
				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
				19.10	19.05	18.99	20.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	631334	633334	635334			
				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
				19.09	19.10	19.09	20.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631000	633334	635668			
				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
				19.09	19.08	18.99	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	630568	633334	636000			
				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
				19.10	19.10	19.06	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	630500	633334	636188			
				3457.5	3500.01	3542.5	Tune-up limit (dBm)	MPR (dB)	
				18.99	18.99	19.09	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	630334	633334	636334			
				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
				18.98	19.05	19.01	20.5	0.0	



PC3 Part270 n77 Ant11 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	15.34	15.23	15.24			
100	PI/2 BPSK	1	137	15.11	15.24	15.24	16.2	0.0	
100	PI/2 BPSK	1	271	15.17	15.24	15.32			
100	PI/2 BPSK	135	0	15.12	15.09	15.16	16.2	0.0	
100	PI/2 BPSK	135	69	15.06	15.25	15.16	16.2	0.0	
100	PI/2 BPSK	135	138	15.18	15.08	15.11	16.2	0.0	
100	PI/2 BPSK	270	0	15.18	15.32	15.07	16.2	0.0	
100	QPSK	1	1	15.29	15.37	15.24			
100	QPSK	1	137	15.25	15.28	15.20	16.2	0.0	
100	QPSK	1	271	15.03	15.06	15.17			
100	QPSK	135	0	15.11	15.29	15.28	16.2	0.0	
100	QPSK	135	69	15.20	15.33	15.31	16.2	0.0	
100	QPSK	135	138	15.05	15.21	15.22	16.2	0.0	
100	QPSK	270	0	15.12	15.29	15.23	16.2	0.0	
100	16QAM	1	1	15.13	15.17	15.17	16.2	0.0	
100	64QAM	1	1	15.18	15.22	15.30	16.2	0.0	
100	256QAM	1	1	15.20	15.29	15.14	16.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.16	15.24	15.09	16.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.23	15.33	15.22	16.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.22	15.34	15.10	16.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.12	15.26	15.12	16.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.25	15.30	15.17	16.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.13	15.29	15.11	16.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.22	15.19	15.07	16.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.26	15.31	15.20	16.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.13	15.20	15.08	16.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.23	15.27	15.20	16.2	0.0	

PC3 Part27Q n77 Ant11 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Middle Ch. / Freq. 633334	Power High Ch. / Freq. 634000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1		15.42				
100	PI/2 BPSK	1	137		15.36		16.2	0.0	
100	PI/2 BPSK	1	271		15.28				
100	PI/2 BPSK	135	0		15.23		16.2	0.0	
100	PI/2 BPSK	135	69		15.35		16.2	0.0	
100	PI/2 BPSK	135	138		15.12		16.2	0.0	
100	PI/2 BPSK	270	0		15.38		16.2	0.0	
100	QPSK	1	1		15.47				
100	QPSK	1	137		15.41		16.2	0.0	
100	QPSK	1	271		16.20				
100	QPSK	135	0		15.42		16.2	0.0	
100	QPSK	135	69		15.45		16.2	0.0	
100	QPSK	135	138		15.31		16.2	0.0	
100	QPSK	270	0		15.39		16.2	0.0	
100	16QAM	1	1		15.20		16.2	0.0	
100	64QAM	1	1		15.30		16.2	0.0	
100	256QAM	1	1		15.44		16.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.32	15.38	15.44	16.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.30	15.36	15.35	16.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.44	15.35	15.45	16.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	631688	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3495.02	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.40	15.44	15.40	16.2	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3495.01	3500.01	3505.01	Tune-up limit (dBm)	MPR (dB)	



PC3 Part270 n78 Ant11 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 850000	Power Middle Ch. Freq. 850000	Power High Ch. Freq. 850000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1		15.16		16.5	0.0	
100	PI/2 BPSK	1	137		15.16				
100	PI/2 BPSK	1	271		15.06				
100	PI/2 BPSK	135	0		14.96		16.5	0.0	
100	PI/2 BPSK	135	69		15.13		16.5	0.0	
100	PI/2 BPSK	135	138		15.06				
100	PI/2 BPSK	270	0		15.16		16.5	0.0	
100	QPSK	1	1		15.21				
100	QPSK	1	137		15.17		16.5	0.0	
100	QPSK	1	271		14.96				
100	QPSK	135	0		15.14		16.5	0.0	
100	QPSK	135	69		15.18		16.5	0.0	
100	QPSK	135	138		15.11		16.5	0.0	
100	QPSK	270	0		15.12				
100	16QAM	1	1		15.07		16.5	0.0	
100	64QAM	1	1		15.16		16.5	0.0	
100	256QAM	1	1		15.18		16.5	0.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	15.14	15.16	15.17	16.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	15.19	15.19	15.19	16.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	15.03	15.04	15.05	16.5	0.0	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	15.04	15.15	15.05	16.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	15.18	15.13	15.16	16.5	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	15.12	15.07	15.09	16.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	15.11	15.12	15.15	16.5	0.0	
Channel				3719.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	15.07	15.08	15.18	16.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	15.14	15.18	15.15	16.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	15.03	15.03	15.16	16.5	0.0	

PC2 Part270 n78 Ant11 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 850000	Power Middle Ch. Freq. 850000	Power High Ch. Freq. 850000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)									
100	PI/2 BPSK	1	1		18.10		19.5	0.0	
100	PI/2 BPSK	1	137		18.17				
100	PI/2 BPSK	1	271		18.10				
100	PI/2 BPSK	135	0		18.08		19.5	0.0	
100	PI/2 BPSK	135	69		18.12		19.5	0.0	
100	PI/2 BPSK	135	138		18.01				
100	PI/2 BPSK	270	0		18.10		19.5	0.0	
100	QPSK	1	1		18.29				
100	QPSK	1	137		18.22		19.5	0.0	
100	QPSK	1	271		18.15				
100	QPSK	135	0		18.08		19.5	0.0	
100	QPSK	135	69		18.25		19.5	0.0	
100	QPSK	135	138		18.09		19.5	0.0	
100	QPSK	270	0		18.16				
100	16QAM	1	1		18.08		19.5	0.0	
100	64QAM	1	1		18.11		19.5	0.0	
100	256QAM	1	1		18.04		19.5	0.0	
Channel				649868	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	18.11	18.10	18.15	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	18.20	18.15	18.10	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	18.14	18.12	18.18	19.5	0.0	
Channel				3730.02	3750	3770.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	18.14	18.20	18.15	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	18.18	18.12	18.11	19.5	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	18.15	18.13	18.13	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	18.15	18.17	18.13	19.5	0.0	
Channel				3719.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	18.18	18.15	18.11	19.5	0.0	
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	18.19	18.16	18.14	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	18.19	18.16	18.19	19.5	0.0	



PC3 Part27Q n78 Ant11 DSI5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1	15.67	15.67	15.67	0.0
100	PI/2 BPSK	1	1	15.62	15.62	15.62	0.0
100	PI/2 BPSK	1	271	15.52	15.52	15.52	0.0
100	PI/2 BPSK	135	0	15.58	15.58	15.58	0.0
100	PI/2 BPSK	135	69	15.58	15.58	15.58	0.0
100	PI/2 BPSK	135	138	15.57	15.57	15.57	0.0
100	PI/2 BPSK	270	0	15.48	15.48	15.48	0.0
100	QPSK	1	1	15.69	15.69	15.69	0.0
100	QPSK	1	137	15.59	15.59	15.59	0.0
100	QPSK	1	271	15.62	15.62	15.62	0.0
100	QPSK	135	0	15.57	15.57	15.57	0.0
100	QPSK	135	69	15.83	15.83	15.83	0.0
100	QPSK	135	138	15.53	15.53	15.53	0.0
100	QPSK	270	0	15.58	15.58	15.58	0.0
100	16QAM	1	1	15.47	15.47	15.47	0.0
100	64QAM	1	1	15.50	15.50	15.50	0.0
100	256QAM	1	1	15.63	15.63	15.63	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	15.52	15.67	15.66	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.61	15.63	15.55	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	15.52	15.65	15.58	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	15.60	15.61	15.54	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.56	15.52	15.65	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.61	15.54	15.61	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.53	15.62	15.53	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.56	15.55	15.54	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	15.53	15.57	15.60	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.56	15.62	15.62	0.0

PC2 Part27Q n78 Ant11 DSI5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI/2 BPSK	1	1	18.61	18.61	18.61	0.0
100	PI/2 BPSK	1	137	18.63	18.63	18.63	0.0
100	PI/2 BPSK	1	271	18.50	18.50	18.50	0.0
100	PI/2 BPSK	135	0	18.61	18.61	18.61	0.0
100	PI/2 BPSK	135	69	18.62	18.62	18.62	0.0
100	PI/2 BPSK	135	138	18.54	18.54	18.54	0.0
100	PI/2 BPSK	270	0	18.59	18.59	18.59	0.0
100	QPSK	1	1	18.65	18.65	18.65	0.0
100	QPSK	1	137	18.55	18.55	18.55	0.0
100	QPSK	1	271	18.67	18.67	18.67	0.0
100	QPSK	135	0	18.60	18.60	18.60	0.0
100	QPSK	135	69	18.63	18.63	18.63	0.0
100	QPSK	135	138	18.59	18.59	18.59	0.0
100	QPSK	270	0	18.61	18.61	18.61	0.0
100	16QAM	1	1	18.56	18.56	18.56	0.0
100	64QAM	1	1	18.55	18.55	18.55	0.0
100	256QAM	1	1	18.51	18.51	18.51	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.56	18.56	18.52	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.52	18.57	18.59	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.53	18.61	18.60	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.54	18.54	18.52	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.47	18.62	18.52	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.57	18.59	18.59	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.51	18.64	18.56	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.56	18.59	18.55	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.50	18.61	18.54	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.55	18.62	18.61	0.0





Reduced Power Mode for DSI 5\_ENDC

PC3 Part270 n77 Ant0 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				65000	65000	65000			
				3750	3840	3930			
100	PI2 BPSK	1	1	18.65	18.76	18.45			
100	PI2 BPSK	1	137	18.65	18.68	18.64	20.0	0.0	
100	PI2 BPSK	1	271	18.56	18.58	18.54			
100	PI2 BPSK	135	0	18.51	18.72	18.70	20.0	0.0	
100	PI2 BPSK	135	69	18.59	18.49	18.58	20.0	0.0	
100	PI2 BPSK	135	138	18.67	18.62	18.45	20.0	0.0	
100	PI2 BPSK	270	0	18.56	18.67	18.53			
100	QPSK	1	1	18.88	18.91	18.67			
100	QPSK	1	137	18.69	18.80	18.69	20.0	0.0	
100	QPSK	1	271	18.64	18.76	18.51			
100	QPSK	135	0	18.66	18.63	18.55	20.0	0.0	
100	QPSK	135	69	18.68	18.76	18.68	20.0	0.0	
100	QPSK	135	138	18.54	18.60	18.63	20.0	0.0	
100	QPSK	270	0	18.52	18.61	18.61			
100	16QAM	1	1	18.53	18.62	18.34	20.0	0.0	
100	64QAM	1	1	18.81	18.68	18.67	20.0	0.0	
100	256QAM	1	1	17.63	17.66	17.69	19.0	1.0	
Channel									
Frequency (MHz)				64968	65000	65234	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3840	3925.01			
90	QPSK	1	1	18.64	18.76	18.55	20.0	0.0	
Channel									
Frequency (MHz)				64934	65000	65268	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3840	3940.02			
80	QPSK	1	1	18.66	18.72	18.65	20.0	0.0	
Channel									
Frequency (MHz)				64900	65000	65300	Tune-up limit (dBm)	MPR (dB)	
				3735	3840	3945			
70	QPSK	1	1	18.58	18.60	18.58	20.0	0.0	
Channel									
Frequency (MHz)				64868	65000	65334	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3840	3950.01			
60	QPSK	1	1	18.70	18.70	18.59	20.0	0.0	
Channel									
Frequency (MHz)				64834	65000	65368	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3840	3955.02			
50	QPSK	1	1	18.51	18.65	18.50	20.0	0.0	
Channel									
Frequency (MHz)				64800	65000	65400	Tune-up limit (dBm)	MPR (dB)	
				3720	3840	3960			
40	QPSK	1	1	18.62	18.63	18.66	20.0	0.0	
Channel									
Frequency (MHz)				64768	65000	65434	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3840	3965.01			
30	QPSK	1	1	18.65	18.64	18.58	20.0	0.0	
Channel									
Frequency (MHz)				64734	65000	65468	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3840	3970.02			
20	QPSK	1	1	18.51	18.74	18.52	20.0	0.0	
Channel									
Frequency (MHz)				64716	65000	65484	Tune-up limit (dBm)	MPR (dB)	
				3707.52	3840	3972.51			
15	QPSK	1	1	18.70	18.61	18.53	20.0	0.0	
Channel									
Frequency (MHz)				64700	65000	65500	Tune-up limit (dBm)	MPR (dB)	
				3705	3840	3975			
10	QPSK	1	1	18.53	18.84	18.51	20.0	0.0	

PC3 Part27Q n77 Ant0 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				63334	63334	3500.01			
100	PI2 BPSK	1	1		18.76				
100	PI2 BPSK	1	137		18.75		20.0	0.0	
100	PI2 BPSK	1	271		18.54				
100	PI2 BPSK	135	0		18.64		20.0	0.0	
100	PI2 BPSK	135	69		18.84		20.0	0.0	
100	PI2 BPSK	135	138		18.74		20.0	0.0	
100	PI2 BPSK	270	0		18.69				
100	QPSK	1	1		18.92				
100	QPSK	1	137		18.71		20	0.0	
100	QPSK	1	271		18.71				
100	QPSK	135	0		18.75		20.0	0.0	
100	QPSK	135	69		18.69		20.0	0.0	
100	QPSK	135	138		18.51		20.0	0.0	
100	QPSK	270	0		18.78				
100	16QAM	1	1		18.77		20.0	0.0	
100	64QAM	1	1		18.09		20.0	0.0	
100	256QAM	1	1		17.09		19.0	1.0	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
				3495	3500.01	3505.02			
90	QPSK	1	1	18.64	18.56	18.79	20.0	0.0	
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3500.01	3510			
80	QPSK	1	1	18.76	18.65	18.64	20.0	0.0	
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3500.01	3515.01			
70	QPSK	1	1	18.59	18.71	18.78	20.0	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
				3480	3500.01	3520.02			
60	QPSK	1	1	18.66	18.80	18.65	20.0	0.0	
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3500.01	3525			
50	QPSK	1	1	18.70	18.69	18.63	20.0	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.69	18.69	18.85	20.0	0.0	
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3535.02			
30	QPSK	1	1	18.80	18.69	18.70	20.0	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3540			
20	QPSK	1	1	18.73	18.61	18.69	20.0	0.0	
Channel									
Frequency (MHz)				63050	63334	63616	Tune-up limit (dBm)	MPR (dB)	
				3457.52	3500.01	3542.52			
15	QPSK	1	1	18.73	18.65	18.73	20.0	0.0	
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.67	18.65	18.64	20.0	0.0	

PC3 Part270 n78 Ant0 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				65000	65000	65000			
				3750	3750	3750			
100	PI2 BPSK	1	1	17.70					
100	PI2 BPSK	1	137	17.65			19.0	0.0	
100	PI2 BPSK	1	271	17.54					
100	PI2 BPSK	135	0	17.68			19.0	0.0	
100	PI2 BPSK	135	69	17.62			19.0	0.0	
100	PI2 BPSK	135	138	17.65			19.0	0.0	
100	PI2 BPSK	270	0	17.59					
100	QPSK	1	1	17.83					
100	QPSK	1	137	17.74			19.0	0.0	
100	QPSK	1	271	17.78					
100	QPSK	135	0	17.61			19.0	0.0	
100	QPSK	135	69	17.64			19.0	0.0	
100	QPSK	135	138	17.54			19.0	0.0	
100	QPSK	270	0	17.57					
100	16QAM	1	1	17.60			19.0	0.0	
100	64QAM	1	1	17.10			19.0	0.0	
100	256QAM	1	1	17.75			18.5	0.5	
Channel									
Frequency (MHz)				64868	65000	65034	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3750	3755.01			
90	QPSK	1	1	17.46	17.61	17.44	19.0	0.0	
Channel									
Frequency (MHz)				64834	65000	65068	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3760.02			
80	QPSK	1	1	17.40	17.55	17.55	19.0	0.0	
Channel									
Frequency (MHz)				64800	65000	65100	Tune-up limit (dBm)	MPR (dB)	
				3735	3750	3765			
70	QPSK	1	1	17.57	17.52	17.35	19.0	0.0	
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3750	3770.01			
60	QPSK	1	1	17.57	17.64	17.31	19.0	0.0	
Channel									
Frequency (MHz)				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3775.02			
50	QPSK	1	1	17.54	17.61	17.31	19.0	0.0	
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
40	QPSK	1	1	17.56	17.45	17.48	19.0	0.0	
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
				3715.02	3750	3785.01			
30	QPSK	1	1						



PC2 Part270 n78 Ant0 for ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				65000	65000	65000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		20.58				
100	PI2 BPSK	1	137		20.42		22.0	0.0	
100	PI2 BPSK	1	271		20.00				
100	PI2 BPSK	135	0		20.20		22.0	0.0	
100	PI2 BPSK	135	69		20.58		22.0	0.0	
100	PI2 BPSK	135	138		20.78		22.0	0.0	
100	PI2 BPSK	270	0		20.81				
100	QPSK	1	1		20.86				
100	QPSK	1	137		20.76		22.0	0.0	
100	QPSK	1	271		20.55				
100	QPSK	135	0		20.58		22.0	0.0	
100	QPSK	135	69		20.62		22.0	0.0	
100	QPSK	135	138		20.36		22.0	0.0	
100	QPSK	270	0		20.56				
100	16QAM	1	1		20.51		22.0	0.0	
100	64QAM	1	1		20.47		22.0	0.0	
100	256QAM	1	1		18.90		20.5	1.5	
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
90	QPSK	1	1		20.41	20.36	20.40	22.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.37	20.20	20.50	22.0	0.0
Channel									
Frequency (MHz)				64934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		20.20	20.35	20.31	22.0	0.0
Channel									
Frequency (MHz)				64868	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01			
60	QPSK	1	1		20.25	20.27	20.33	22.0	0.0
Channel									
Frequency (MHz)				64834	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.14	20.34	20.20	22.0	0.0
Channel									
Frequency (MHz)				64800	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		20.20	20.48	20.48	22.0	0.0
Channel									
Frequency (MHz)				64768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		20.48	20.24	20.47	22.0	0.0
Channel									
Frequency (MHz)				64834	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.50	20.30	20.48	22.0	0.0
Channel									
Frequency (MHz)				64768	65000	65284	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		20.24	20.52	20.45	22.0	0.0
Channel									
Frequency (MHz)				64700	65000	65300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		20.36	20.33	20.49	22.0	0.0

PC3 Part27Q n78 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									
Frequency (MHz)				63334	63334	63334			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI2 BPSK	1	1		17.95				
100	PI2 BPSK	1	137		17.84		19.0	0.0	
100	PI2 BPSK	1	271		18.08				
100	PI2 BPSK	135	0		18.05		19.0	0.0	
100	PI2 BPSK	135	69		18.18		19.0	0.0	
100	PI2 BPSK	135	138		17.97		19.0	0.0	
100	PI2 BPSK	270	0		17.72				
100	QPSK	1	1		18.22				
100	QPSK	1	137		18.02		19.0	0.0	
100	QPSK	1	271		17.82				
100	QPSK	135	0		18.10		19.0	0.0	
100	QPSK	135	69		18.20		19.0	0.0	
100	QPSK	135	138		18.11		19.0	0.0	
100	QPSK	270	0		18.01				
100	16QAM	1	1		17.86		19.0	0.0	
100	64QAM	1	1		18.18		19.0	0.0	
100	256QAM	1	1		17.74		18.5	0.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		17.78	17.79	17.85	19.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		17.86	17.88	17.90	19.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		17.94	18.04	17.75	19.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.05	17.78	17.97	19.0	0.0
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		17.79	17.83	18.01	19.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		17.75	17.88	17.99	19.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		17.82	17.78	18.05	19.0	0.0
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		17.95	17.94	17.95	19.0	0.0
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		17.78	17.83	17.85	19.0	0.0
Channel									
Frequency (MHz)				63034	63334	63634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		17.99	18.01	17.79	19.0	0.0

PC2 Part27Q n78 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									
Frequency (MHz)				63334	63334	63334			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI2 BPSK	1	1		20.83				
100	PI2 BPSK	1	137		20.91		22.0	0.0	
100	PI2 BPSK	1	271		20.61				
100	PI2 BPSK	135	0		20.83		22.0	0.0	
100	PI2 BPSK	135	69		20.82		22.0	0.0	
100	PI2 BPSK	135	138		21.05		22.0	0.0	
100	PI2 BPSK	270	0		20.98				
100	QPSK	1	1		21.08				
100	QPSK	1	137		20.97		22.0	0.0	
100	QPSK	1	271		20.82				
100	QPSK	135	0		20.86		22.0	0.0	
100	QPSK	135	69		21.05		22.0	0.0	
100	QPSK	135	138		20.86		22.0	0.0	
100	QPSK	270	0		21.02				
100	16QAM	1	1		20.77		22.0	0.0	
100	64QAM	1	1		20.31		22.0	0.0	
100	256QAM	1	1		19.45		20.5	1.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.72	20.82	20.82	22.0	0.0
Channel									
Frequency (MHz)				63268	63334	63400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.72	20.73	20.73	22.0	0.0
Channel									
Frequency (MHz)				63234	63334	63434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		20.96	20.94	20.73	22.0	0.0
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.99	20.69	20.54	22.0	0.0
Channel									
Frequency (MHz)				63168	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.89	20.86	20.93	22.0	0.0
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.72	20.71	20.58	22.0	0.0
Channel									
Frequency (MHz)				63100	63334	63568	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.75	20.77	20.90	22	



**n5 Ant1 for ENDC**

Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel	165800	167300	167900					
Frequency (MHz)	834	836.5	839					
20	PI/2 BPSK	1	1	20.65	20.69	20.52	21.5	0.0
20	PI/2 BPSK	1	53	20.67	20.71	20.57		
20	PI/2 BPSK	1	104	20.18	20.50	20.47	21.5	0.0
20	PI/2 BPSK	50	0	20.64	20.66	20.63		
20	PI/2 BPSK	50	28	20.58	20.66	20.60	21.5	0.0
20	PI/2 BPSK	50	56	20.57	20.73	20.58		
20	PI/2 BPSK	100	0	20.65	20.64	20.45	21.5	0.0
20	QPSK	1	1	20.70	20.75	20.63		
20	QPSK	1	53	20.33	20.49	20.49	21.5	0.0
20	QPSK	1	104	20.45	20.64	20.62		
20	QPSK	50	0	20.43	20.51	20.57	21.5	0.0
20	QPSK	50	28	20.64	20.70	20.60		
20	QPSK	50	56	20.67	20.40	20.64	21.5	0.0
20	QPSK	100	0	20.52	20.54	20.53		
20	16QAM	1	1	20.48	20.41	20.52	21.5	0.0
20	16QAM	1	1	20.53	20.53	20.42		
20	256QAM	1	1	19.89	19.89	19.82	20.5	1.0
Channel	165300	167300	168300					
Frequency (MHz)	831.5	836.5	841.5					
15	QPSK	1	1	20.61	20.63	20.53	21.5	0.0
Channel	165800	167300	168800					
Frequency (MHz)	820	839.5	844					
10	QPSK	1	1	20.25	20.45	20.39	21.5	0.0
Channel	165300	167300	169300					
Frequency (MHz)	826.5	836.5	846.5					
5	QPSK	1	1	20.27	20.39	20.35	21.5	0.0
Channel	165300	167300	169300					
Frequency (MHz)	826.5	836.5	846.5					



PC3 Part270 n78 Ant9 for ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI2 BPSK	1	1	13.28			
100	PI2 BPSK	1	137	13.46			
100	PI2 BPSK	1	271	13.32			15.5
100	PI2 BPSK	135	0	13.48			15.5
100	PI2 BPSK	135	69	13.54			15.5
100	PI2 BPSK	135	138	13.41			15.5
100	PI2 BPSK	270	0	13.32			15.5
100	QPSK	1	1	13.55			15.5
100	QPSK	1	137	13.48			15.5
100	QPSK	1	271	13.27			15.5
100	QPSK	135	0	13.36			15.5
100	QPSK	135	69	13.51			15.5
100	QPSK	135	138	13.26			15.5
100	QPSK	270	0	13.35			15.5
100	16QAM	1	1	13.33			15.5
100	64QAM	1	1	13.29			15.5
100	256QAM	1	1	13.33			15.5
Channel				649868	650000	650334	Tune-up limit
Frequency (MHz)				3745.02	3750	3755.01	MPR
90	QPSK	1	1	13.39	13.35	13.34	15.5
Channel				649334	650000	650668	Tune-up limit
Frequency (MHz)				3740.01	3750	3760.02	MPR
80	QPSK	1	1	13.27	13.29	13.51	15.5
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	MPR
70	QPSK	1	1	13.38	13.46	13.37	15.5
Channel				648668	650000	651334	Tune-up limit
Frequency (MHz)				3730.02	3750	3770.01	MPR
60	QPSK	1	1	13.45	13.34	13.33	15.5
Channel				648334	650000	651668	Tune-up limit
Frequency (MHz)				3725.01	3750	3775.02	MPR
50	QPSK	1	1	13.29	13.52	13.35	15.5
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	MPR
40	QPSK	1	1	13.20	13.38	13.27	15.5
Channel				647668	650000	652334	Tune-up limit
Frequency (MHz)				3715.02	3750	3783.01	MPR
30	QPSK	1	1	13.49	13.29	13.32	15.5
Channel				647334	650000	652668	Tune-up limit
Frequency (MHz)				3710.01	3750	3790.02	MPR
20	QPSK	1	1	13.38	13.29	13.31	15.5
Channel				647188	650000	652834	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.51	MPR
15	QPSK	1	1	13.43	13.49	13.32	15.5
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	MPR
10	QPSK	1	1	13.39	13.45	13.28	15.5

PC2 Part270 n78 Ant9 for ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI2 BPSK	1	1	16.53			
100	PI2 BPSK	1	137	16.59			
100	PI2 BPSK	1	271	16.57			18.5
100	PI2 BPSK	135	0	16.53			18.5
100	PI2 BPSK	135	69	16.54			18.5
100	PI2 BPSK	135	138	16.51			18.5
100	PI2 BPSK	270	0	16.54			18.5
100	QPSK	1	1	16.62			18.5
100	QPSK	1	137	16.51			18.5
100	QPSK	1	271	16.57			18.5
100	QPSK	135	0	16.53			18.5
100	QPSK	135	69	16.55			18.5
100	QPSK	135	138	16.51			18.5
100	QPSK	270	0	16.54			18.5
100	16QAM	1	1	16.56			18.5
100	64QAM	1	1	16.51			18.5
100	256QAM	1	1	16.51			18.5
Channel				649868	650000	650334	Tune-up limit
Frequency (MHz)				3745.02	3750	3755.01	MPR
90	QPSK	1	1	16.56	16.54	16.55	18.5
Channel				649334	650000	650668	Tune-up limit
Frequency (MHz)				3740.01	3750	3760.02	MPR
80	QPSK	1	1	16.59	16.54	16.56	18.5
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	MPR
70	QPSK	1	1	16.55	16.55	16.51	18.5
Channel				648668	650000	651334	Tune-up limit
Frequency (MHz)				3730.02	3750	3770.01	MPR
60	QPSK	1	1	16.56	16.51	16.56	18.5
Channel				648334	650000	651668	Tune-up limit
Frequency (MHz)				3725.01	3750	3775.02	MPR
50	QPSK	1	1	16.56	16.59	16.57	18.5
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	MPR
40	QPSK	1	1	16.54	16.51	16.55	18.5
Channel				647668	650000	652334	Tune-up limit
Frequency (MHz)				3715.02	3750	3783.01	MPR
30	QPSK	1	1	16.51	16.54	16.51	18.5
Channel				647334	650000	652668	Tune-up limit
Frequency (MHz)				3710.01	3750	3790.02	MPR
20	QPSK	1	1	16.54	16.58	16.51	18.5
Channel				647188	650000	652834	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.51	MPR
15	QPSK	1	1	16.51	16.52	16.54	18.5
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	MPR
10	QPSK	1	1	16.55	16.51	16.59	18.5



PC3 Part27Q n78 Ant9 for ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			3500.01		
Frequency (MHz)									
100	PI/2 BPSK	1	1		13.32				
100	PI/2 BPSK	1	137		13.35		15.5	0.0	
100	PI/2 BPSK	1	271		13.42				
100	PI/2 BPSK	135	0		13.35		15.5	0.0	
100	PI/2 BPSK	135	69		13.33		15.5	0.0	
100	PI/2 BPSK	135	138		13.38		15.5	0.0	
100	PI/2 BPSK	270	0		13.22				
100	QPSK	1	1		13.54				
100	QPSK	1	137		13.41		15.5	0.0	
100	QPSK	1	271		13.29				
100	QPSK	135	0		13.34		15.5	0.0	
100	QPSK	135	69		13.44		15.5	0.0	
100	QPSK	135	138		13.39		15.5	0.0	
100	QPSK	270	0		13.41		15.5	0.0	
100	16QAM	1	1		13.21		15.5	0.0	
100	64QAM	1	1		13.31		15.5	0.0	
100	256QAM	1	1		13.40		15.5	0.0	
Channel				633090	633334	633668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	13.30	13.27	13.25	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	13.22	13.22	13.24	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	13.25	13.39	13.35	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	13.38	13.37	13.25	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	13.33	13.39	13.24	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	13.38	13.41	13.32	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	13.29	13.21	13.33	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	13.31	13.22	13.38	15.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3457.5	3500.01	3545.52			
15	QPSK	1	1	13.42	13.41	13.32	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	13.42	13.30	13.27	15.5	0.0	

PC2 Part27Q n78 Ant9 for ENDC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			3500.01		
Frequency (MHz)									
100	PI/2 BPSK	1	1		16.55				
100	PI/2 BPSK	1	137		16.27		18.5	0.0	
100	PI/2 BPSK	1	271		16.44				
100	PI/2 BPSK	135	0		16.53		18.5	0.0	
100	PI/2 BPSK	135	69		16.53		18.5	0.0	
100	PI/2 BPSK	135	138		16.61		18.5	0.0	
100	PI/2 BPSK	270	0		16.51				
100	QPSK	1	1		16.68				
100	QPSK	1	137		16.58		18.5	0.0	
100	QPSK	1	271		16.54				
100	QPSK	135	0		16.54		18.5	0.0	
100	QPSK	135	69		16.27		18.5	0.0	
100	QPSK	135	138		16.42		18.5	0.0	
100	QPSK	270	0		16.52		18.5	0.0	
100	16QAM	1	1		16.68		18.5	0.0	
100	64QAM	1	1		16.54		18.5	0.0	
100	256QAM	1	1		16.53		18.5	0.0	
Channel				633090	633334	633668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.52	16.51	16.54	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	16.51	16.52	16.59	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	16.51	16.54	16.58	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	16.59	16.56	16.56	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	16.52	16.51	16.57	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	16.51	16.51	16.55	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	16.55	16.59	16.59	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	16.53	16.56	16.57	18.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3457.5	3500.01	3545.52			
15	QPSK	1	1	16.59	16.58	16.58	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	16.51	16.57	16.51	18.5	0.0	



PC3 Part270 n78 Ant10 for ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI2 BPSK	1	1	13.52			
100	PI2 BPSK	1	137	13.55			
100	PI2 BPSK	1	271	13.58			15.5
100	PI2 BPSK	135	0	13.53			0.0
100	PI2 BPSK	135	69	13.51			0.0
100	PI2 BPSK	135	138	13.58			0.0
100	PI2 BPSK	270	0	13.56			0.0
100	QPSK	1	1	13.55			
100	QPSK	1	137	13.54			15.5
100	QPSK	1	271	13.53			0.0
100	QPSK	135	0	13.51			0.0
100	QPSK	135	69	13.58			0.0
100	QPSK	135	138	13.51			0.0
100	QPSK	270	0	13.53			0.0
100	16QAM	1	1	13.57			0.0
100	16QAM	1	1	13.52			0.0
100	256QAM	1	1	13.57			0.0
Channel				649688	650000	650334	Tune-up limit
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	QPSK	1	1	13.57	13.52	13.51	15.5
Channel				649334	650000	650668	Tune-up limit
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	QPSK	1	1	13.51	13.53	13.57	15.5
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	QPSK	1	1	13.58	13.58	13.53	15.5
Channel				648688	650000	651334	Tune-up limit
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	QPSK	1	1	13.55	13.59	13.51	15.5
Channel				648334	650000	651668	Tune-up limit
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	QPSK	1	1	13.52	13.53	13.52	15.5
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	QPSK	1	1	13.58	13.57	13.52	15.5
Channel				647688	650000	652334	Tune-up limit
Frequency (MHz)				3715.02	3750	3783.01	MPR (dB)
30	QPSK	1	1	13.55	13.56	13.55	15.5
Channel				647334	650000	652668	Tune-up limit
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	QPSK	1	1	13.59	13.53	13.54	15.5
Channel				647188	650000	652834	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)
15	QPSK	1	1	13.54	13.58	13.58	15.5
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	MPR (dB)
10	QPSK	1	1	13.51	13.58	13.54	15.5

PC2 Part270 n78 Ant10 for ENDC							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	PI2 BPSK	1	1	16.04			
100	PI2 BPSK	1	137	16.03			
100	PI2 BPSK	1	271	16.04			18.5
100	PI2 BPSK	135	0	16.02			0.0
100	PI2 BPSK	135	69	16.02			0.0
100	PI2 BPSK	135	138	16.02			0.0
100	PI2 BPSK	270	0	16.05			0.0
100	QPSK	1	1	16.06			
100	QPSK	1	137	16.05			18.5
100	QPSK	1	271	16.06			0.0
100	QPSK	135	0	16.01			0.0
100	QPSK	135	69	16.05			0.0
100	QPSK	135	138	16.04			0.0
100	QPSK	270	0	16.04			0.0
100	16QAM	1	1	16.07			0.0
100	16QAM	1	1	16.03			0.0
100	256QAM	1	1	16.06			0.0
Channel				649688	650000	650334	Tune-up limit
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	QPSK	1	1	16.04	16.04	16.03	18.5
Channel				649334	650000	650668	Tune-up limit
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	QPSK	1	1	16.04	16.04	16.03	18.5
Channel				649000	650000	651000	Tune-up limit
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	QPSK	1	1	16.06	16.02	16.06	18.5
Channel				648688	650000	651334	Tune-up limit
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	QPSK	1	1	16.06	16.04	16.01	18.5
Channel				648334	650000	651668	Tune-up limit
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	QPSK	1	1	16.07	16.07	16.02	18.5
Channel				648000	650000	652000	Tune-up limit
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	QPSK	1	1	16.03	16.03	16.04	18.5
Channel				647688	650000	652334	Tune-up limit
Frequency (MHz)				3715.02	3750	3783.01	MPR (dB)
30	QPSK	1	1	16.02	16.05	16.01	18.5
Channel				647334	650000	652668	Tune-up limit
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	QPSK	1	1	16.05	16.08	16.03	18.5
Channel				647188	650000	652834	Tune-up limit
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)
15	QPSK	1	1	16.06	16.01	16.05	18.5
Channel				647000	650000	653000	Tune-up limit
Frequency (MHz)				3705	3750	3795	MPR (dB)
10	QPSK	1	1	16.01	16.07	16.09	18.5



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			3500.01			
Frequency (MHz)										
100	PI/2 BPSK	1	1		14.08					
100	PI/2 BPSK	1	137		14.19		15.5	0.0		
100	PI/2 BPSK	1	271		14.15					
100	PI/2 BPSK	135	0		13.74		15.5	0.0		
100	PI/2 BPSK	135	69		13.79		15.5	0.0		
100	PI/2 BPSK	135	138		13.91		15.5	0.0		
100	PI/2 BPSK	270	0		13.98					
100	QPSK	1	1		14.28					
100	QPSK	1	137		14.08		15.5	0.0		
100	QPSK	1	271		13.77					
100	QPSK	135	0		13.88		15.5	0.0		
100	QPSK	135	69		14.17		15.5	0.0		
100	QPSK	135	138		13.86		15.5	0.0		
100	QPSK	270	0		14.01					
100	16QAM	1	1		13.75		15.5	0.0		
100	64QAM	1	1		14.01		15.5	0.0		
100	256QAM	1	1		14.01		15.5	0.0		
Channel				633090	633334	633668	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	13.97	13.97	14.03	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	13.09	13.04	13.99	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	13.92	13.74	13.93	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	13.71	13.70	13.91	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	13.90	13.74	13.74	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	14.00	13.71	13.81	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	13.85	13.73	14.03	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	13.67	13.91	14.01	15.5	0.0		
Channel				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3545.5				
15	QPSK	1	1	13.93	13.84	13.75	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	13.64	13.69	13.72	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			3500.01			
Frequency (MHz)										
100	PI/2 BPSK	1	1		16.57					
100	PI/2 BPSK	1	137		16.25		18.5	0.0		
100	PI/2 BPSK	1	271		16.78					
100	PI/2 BPSK	135	0		16.62		18.5	0.0		
100	PI/2 BPSK	135	69		16.56		18.5	0.0		
100	PI/2 BPSK	135	138		16.57		18.5	0.0		
100	PI/2 BPSK	270	0		16.53					
100	QPSK	1	1		16.77					
100	QPSK	1	137		16.59		18.5	0.0		
100	QPSK	1	271		16.67					
100	QPSK	135	0		16.57		18.5	0.0		
100	QPSK	135	69		16.73		18.5	0.0		
100	QPSK	135	138		16.63		18.5	0.0		
100	QPSK	270	0		16.71					
100	16QAM	1	1		16.68		18.5	0.0		
100	64QAM	1	1		16.52		18.5	0.0		
100	256QAM	1	1		16.53		18.5	0.0		
Channel				633090	633334	633668	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	16.65	16.67	16.54	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	16.55	16.59	16.57	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	16.68	16.56	16.57	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	16.54	16.63	16.51	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	16.54	16.54	16.52	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	16.69	16.64	16.54	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	16.64	16.59	16.52	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	16.54	16.64	16.52	18.5	0.0		
Channel				630500	633334	636168	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3545.5				
15	QPSK	1	1	16.59	16.58	16.53	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	16.64	16.59	16.53	18.5	0.0		



### PC3 Part270 n77 Ant11 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	13.12	13.14	12.94		
100	PI2 BPSK	1	137	12.86	12.85	13.12	14.2	0.0
100	PI2 BPSK	1	271	13.04	13.16	13.15		
100	PI2 BPSK	135	0	12.87	12.90	12.95	14.2	0.0
100	PI2 BPSK	135	69	12.81	13.03	12.85	14.2	0.0
100	PI2 BPSK	135	138	12.96	12.88	12.88	14.2	0.0
100	PI2 BPSK	270	0	13.07	13.13	12.83		
100	QPSK	1	1	13.08	13.22	13.08		
100	QPSK	1	137	13.15	13.00	12.92	14.2	0.0
100	QPSK	1	271	12.81	12.85	13.03		
100	QPSK	135	0	12.97	13.08	12.98	14.2	0.0
100	QPSK	135	69	12.90	13.21	13.15	14.2	0.0
100	QPSK	135	138	12.82	13.06	13.05	14.2	0.0
100	QPSK	270	0	13.02	13.13	13.12		
100	16QAM	1	1	12.81	13.08	13.04	14.2	0.0
100	16QAM	1	12.98	13.04	13.15	14.2	0.0	
100	256QAM	1	1	13.02	12.97	12.88	14.2	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	12.87	12.93	12.95	14.2	0.0
Channel								
Frequency (MHz)				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	12.90	13.15	12.93	14.2	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	12.95	13.21	12.84	14.2	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	12.95	13.01	13.04	14.2	0.0
Channel								
Frequency (MHz)				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	12.97	13.19	12.91	14.2	0.0
Channel								
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	12.98	13.13	12.87	14.2	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	13.10	12.91	12.94	14.2	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	13.10	13.22	12.94	14.2	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	12.94	12.94	12.91	14.2	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	13.01	13.01	13.10	14.2	0.0

### PC3 Part27Q n77 Ant11 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	13.12	13.12	12.94		
100	PI2 BPSK	1	137	13.11	13.11	13.11	14.2	0.0
100	PI2 BPSK	1	271	13.12	13.12	13.12		
100	PI2 BPSK	135	0	12.96	12.96	12.96	14.2	0.0
100	PI2 BPSK	135	69	13.08	13.08	13.08	14.2	0.0
100	PI2 BPSK	135	138	12.94	12.94	12.94	14.2	0.0
100	PI2 BPSK	270	0	13.09	13.09	13.09		
100	QPSK	1	1	13.28	13.28	13.28		
100	QPSK	1	137	13.19	13.19	13.19	14.2	0.0
100	QPSK	1	271	13.02	13.02	13.02		
100	QPSK	135	0	13.20	13.20	13.20	14.2	0.0
100	QPSK	135	69	13.22	13.22	13.22	14.2	0.0
100	QPSK	135	138	13.16	13.16	13.16	14.2	0.0
100	QPSK	270	0	13.14	13.14	13.14	14.2	0.0
100	16QAM	1	1	12.95	13.12	13.12	14.2	0.0
100	16QAM	1	1	13.13	13.13	13.13	14.2	0.0
100	256QAM	1	1	13.27	13.27	13.27	14.2	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	13.17	13.15	13.34	14.2	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	13.19	13.12	13.24	14.2	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	13.02	13.20	13.11	14.2	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	13.14	13.07	13.06	14.2	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	13.21	13.12	13.25	14.2	0.0
Channel								
Frequency (MHz)				3475.02	3500.01	3525.02	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.13	13.16	13.18	14.2	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	13.12	13.19	13.12	14.2	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	13.07	13.11	13.06	14.2	0.0
Channel								
Frequency (MHz)				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	13.14	13.15	13.21	14.2	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	13.10	13.21	13.18	14.2	0.0

### PC3 Part270 n78 Ant11 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	13.12	13.12	13.12		
100	PI2 BPSK	1	137	13.21	13.21	13.21	14.5	0.0
100	PI2 BPSK	1	271	13.07	13.07	13.07		
100	PI2 BPSK	135	0	13.01	13.01	13.01	14.5	0.0
100	PI2 BPSK	135	69	13.21	13.21	13.21	14.5	0.0
100	PI2 BPSK	135	138	13.20	13.20	13.20	14.5	0.0
100	PI2 BPSK	270	0	13.19	13.19	13.19		
100	QPSK	1	1	13.26	13.26	13.26		
100	QPSK	1	137	13.28	13.28	13.28	14.5	0.0
100	QPSK	1	271	13.08	13.08	13.08		
100	QPSK	135	0	13.28	13.28	13.28	14.5	0.0
100	QPSK	135	69	13.29	13.29	13.29	14.5	0.0
100	QPSK	135	138	13.28	13.28	13.28	14.5	0.0
100	QPSK	270	0	13.11	13.11	13.11	14.5	0.0
100	16QAM	1	1	13.18	13.18	13.18	14.5	0.0
100	16QAM	1	1	13.29	13.29	13.29	14.5	0.0
100	256QAM	1	1	13.34	13.34	13.34	14.5	0.0
Channel								
Frequency (MHz)				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	13.15	13.24	13.25	14.5	0.0
Channel								
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	13.24	13.24	13.20	14.5	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	13.15	13.17	13.23	14.5	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	13.17	13.19	13.25	14.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	13.20	13.14	13.25	14.5	0.0
Channel								
Frequency (MHz)				3720	3750	3780.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.19	13.09	13.30	14.5	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	13.20	13.20	13.29	14.5	0.0
Channel								
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	13.14	13.27	13.21	14.5	0.0
Channel								
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	13.15	13.29	13.17	14.5	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	13.18	13.18	13.33	14.5	0.0





### PC2 Part270 n78 Ant11 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	15.92				
100	PI2 BPSK	1	137	16.03			17.5	0.0
100	PI2 BPSK	1	271	16.12				
100	PI2 BPSK	135	0	15.94			17.5	0.0
100	PI2 BPSK	135	69	16.12			17.5	0.0
100	PI2 BPSK	135	138	15.96			17.5	0.0
100	PI2 BPSK	270	0	16.11				
100	QPSK	1	1	16.26			17.5	0.0
100	QPSK	1	137	16.05				
100	QPSK	1	271	16.11				
100	QPSK	135	0	15.93			17.5	0.0
100	QPSK	135	69	16.19			17.5	0.0
100	QPSK	135	138	15.97			17.5	0.0
100	QPSK	270	0	16.01				
100	16QAM	1	1	16.00			17.5	0.0
100	64QAM	1	1	16.04			17.5	0.0
100	256QAM	1	1	15.93			17.5	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.12	16.08	16.11	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	16.14	16.00	16.01	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.07	16.12	16.14	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3770.01		
60	QPSK	1	1	16.19	16.04	15.92	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	16.07	16.00	16.09	17.5	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3770.01		
40	QPSK	1	1	16.15	16.07	15.94	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	16.14	16.05	16.11	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	16.00	16.05	16.07	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3750	3925.51		
15	QPSK	1	1	16.13	16.13	16.09	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.04	16.07	16.08	17.5	0.0

### PC3 Part27Q n78 Ant11 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	13.39				
100	PI2 BPSK	1	137	13.43			14.5	0.0
100	PI2 BPSK	1	271	13.48				
100	PI2 BPSK	135	0	13.38			14.5	0.0
100	PI2 BPSK	135	69	13.25			14.5	0.0
100	PI2 BPSK	135	138	13.46			14.5	0.0
100	PI2 BPSK	270	0	13.42				
100	QPSK	1	1	13.56			14.5	0.0
100	QPSK	1	137	13.38				
100	QPSK	1	271	13.47				
100	QPSK	135	0	13.42			14.5	0.0
100	QPSK	135	69	13.46			14.5	0.0
100	QPSK	135	138	13.43			14.5	0.0
100	QPSK	270	0	13.45				
100	16QAM	1	1	13.38			14.5	0.0
100	64QAM	1	1	13.43			14.5	0.0
100	256QAM	1	1	13.46			14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.36	13.20	13.25	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.47	13.24	13.22	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.41	13.25	13.24	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.25	13.48	13.41	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.41	13.40	13.45	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.42	13.40	13.44	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.29	13.21	13.20	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.44	13.44	13.40	14.5	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.41	13.37	13.22	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.49	13.21	13.23	14.5	0.0

### PC2 Part27Q n78 Ant11 for ENDC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	16.49				
100	PI2 BPSK	1	137	16.40			17.5	0.0
100	PI2 BPSK	1	271	16.32				
100	PI2 BPSK	135	0	16.41			17.5	0.0
100	PI2 BPSK	135	69	16.30			17.5	0.0
100	PI2 BPSK	135	138	16.45			17.5	0.0
100	PI2 BPSK	270	0	16.30				
100	QPSK	1	1	16.54			17.5	0.0
100	QPSK	1	137	16.45				
100	QPSK	1	271	16.43				
100	QPSK	135	0	16.40			17.5	0.0
100	QPSK	135	69	16.41			17.5	0.0
100	QPSK	135	138	16.40			17.5	0.0
100	QPSK	270	0	16.38				
100	16QAM	1	1	16.39			17.5	0.0
100	64QAM	1	1	16.34			17.5	0.0
100	256QAM	1	1	16.36			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	16.28	16.33	16.34	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	16.30	16.48	16.35	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	16.34	16.45	16.32	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	16.29	16.44	16.37	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	16.20	16.34	16.22	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	16.45	16.31	16.43	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	16.37	16.43	16.45	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	16.39	16.44	16.43	17.5	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.36	16.46	16.35	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	16.34	16.37	16.53	17.5	0.0





Ant. 16+17 /all power						for Head Standalone		for Head Simultaneous		for Body Standalone&Simultaneous for Handheld Standalone			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	100	5500	16.90	18.50	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	99.32
		116	5580	21.59	23.50								
		124	5620	21.44	23.00								
		132	5660	21.43	23.00								
		140	5700	21.38	23.00								
		144	5720	21.41	23.00								
	802.11n-HT20 MCS0	100	5500	19.22	21.00								100.00
		116	5580	20.43	22.00								
		124	5620	20.36	22.00								
		132	5660	20.32	22.00								
		140	5700	19.20	21.00								
		144	5720	20.29	22.00								
	802.11n-HT40 MCS0	102	5510	19.36	21.00								100.00
		110	5550	19.29	21.00								
		126	5630	19.25	21.00								
		134	5670	19.24	21.00								
		142	5710	19.27	21.00								
		100	5500	19.26	21.00								
	802.11ac-VHT20 MCS0	116	5580	20.50	22.00								100.00
		124	5620	20.41	22.00								
		132	5660	20.38	22.00								
		140	5700	19.23	21.00								
		144	5720	20.34	22.00								
		102	5510	19.40	21.00								
802.11ac-VHT40 MCS0	110	5550	19.35	21.00	100.00								
	126	5630	19.30	21.00									
	134	5670	19.27	21.00									
	142	5710	19.31	21.00									
	106	5530	18.30	20.00									
	122	5610	18.25	20.00									
802.11ac-VHT80 MCS0	138	5690	18.15	20.00	100.00								
	114	5570	17.66	19.50									
	100	5500	19.31	21.00									
	116	5580	20.54	22.50									
	124	5620	20.45	22.00									
	132	5660	20.41	22.00									
802.11ax-HE20 MCS0	140	5700	19.28	21.00	100.00								
	144	5720	20.39	22.00									
	102	5510	19.44	21.00									
	110	5550	19.49	21.00									
	126	5630	19.34	21.00									
	134	5670	19.30	21.00									
802.11ax-HE40 MCS0	142	5710	19.35	21.00	100.00								
	106	5530	18.35	20.00									
	122	5610	18.28	20.00									
	138	5690	18.22	20.00									
	114	5570	17.70	19.50									
	114	5570	17.70	19.50									

Ant. 16+17 /all power						for Head Standalone		for Head Simultaneous		for Body Standalone&Simultaneous			for Hotspot Standalone		for Hotspot 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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	21.45	23.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	99.32
		157	5785	21.36	23.00													
		165	5825	21.20	23.00													
		149	5745	20.33	22.00													
		157	5785	20.19	22.00													
		165	5825	20.08	22.00													
	802.11n-HT20 MCS0	151	5755	19.28	21.00													100.00
		159	5795	19.13	21.00													
		149	5745	20.37	22.00													
		157	5785	20.25	22.00													
		165	5825	20.11	22.00													
		151	5755	19.32	21.00													
	802.11ac-VHT20 MCS0	159	5795	19.17	21.00													100.00
		155	5775	18.04	20.00													
		149	5745	20.40	22.00													
		157	5785	20.29	22.00													
		165	5825	20.15	22.00													
		151	5755	19.35	21.00													
	802.11ax-HE20 MCS0	159	5795	19.21	21.00													100.00
		155	5775	18.10	20.00													
		149	5745	20.40	22.00													
		157	5785	20.29	22.00													
		165	5825	20.15	22.00													
		151	5755	19.35	21.00													
802.11ax-HE40 MCS0	159	5795	19.21	21.00	100.00													
	155	5775	18.10	20.00														
	149	5745	20.40	22.00														
	157	5785	20.29	22.00														
	165	5825	20.15	22.00														
	151	5755	19.35	21.00														
802.11ax-HE80 MCS0	159	5795	19.21	21.00	100.00													
	155	5775	18.10	20.00														
	149	5745	20.40	22.00														
	157	5785	20.29	22.00														
	165	5825	20.15	22.00														
	151	5755	19.35	21.00														



**BT BR/EDR** Ant15

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.12	13.19	13.24
	CH 39	2441	14.70	13.88	13.72
	CH 78	2480	14.18	13.47	13.05
Tune-up Limit			16.00	15.50	15.50

**BLE\_1M** Ant15

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	7.47	
	CH 19	2440	8.50	
	CH 39	2480	7.85	
Tune-up Limit			9	

**BLE\_2M** Ant15

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	7.31	
	CH 19	2440	8.41	
	CH 39	2480	7.84	
Tune-up Limit			9	

**BT BR/EDR** Ant16

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.29	13.99	13.65
	CH 39	2441	15.28	14.52	14.12
	CH 78	2480	14.66	13.67	13.24
Tune-up Limit			16.00	15.50	15.50

**BLE\_1M** Ant16

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	9.41	
	CH 19	2440	9.53	
	CH 39	2480	8.14	
Tune-up Limit			10	

**BLE\_2M** Ant16

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	9.24	
	CH 19	2440	9.30	
	CH 39	2480	8.02	
Tune-up Limit			10	