

Full Power Mode

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	189	251		126	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.26	32.30	32.22	33.50	23.26	23.30	23.22	24.50
GPRS 1 Tx slot	32.17	32.25	32.18	33.50	23.17	23.25	23.18	24.50
GPRS 2 Tx slots	30.71	30.81	30.74	32.00	24.71	24.81	24.74	26.00
GPRS 3 Tx slots	28.65	28.79	28.67	30.00	24.39	24.53	24.41	25.74
GPRS 4 Tx slots	26.57	26.69	26.59	27.50	23.57	23.69	23.59	24.50
EDGE 1 Tx slot	25.79	25.83	25.79	27.00	16.79	16.83	16.79	18.00
EDGE 2 Tx slots	24.85	24.94	24.88	26.00	18.85	18.94	18.88	20.00
EDGE 3 Tx slots	22.73	22.88	22.78	24.00	18.47	18.62	18.52	19.74
EDGE 4 Tx slots	20.70	20.78	20.73	22.00	17.70	17.78	17.73	18.00

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.71	29.75	29.64	30.50	20.71	20.75	20.64	21.50
GPRS 1 Tx slot	29.65	29.70	29.58	30.50	20.65	20.70	20.58	21.50
GPRS 2 Tx slots	28.11	28.20	28.14	29.50	22.11	22.20	22.14	23.50
GPRS 3 Tx slots	26.08	26.17	26.09	27.50	21.82	21.91	21.83	23.24
GPRS 4 Tx slots	24.11	24.18	24.07	25.00	21.11	21.18	21.07	22.00
EDGE 1 Tx slot	25.55	25.58	25.48	27.00	16.55	16.58	16.48	18.00
EDGE 2 Tx slots	24.19	24.24	24.18	25.50	18.19	18.24	18.18	19.50
EDGE 3 Tx slots	22.00	22.13	22.10	23.50	17.74	17.87	17.84	19.24
EDGE 4 Tx slots	20.16	20.29	20.23	21.50	17.16	17.29	17.23	18.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		4132	4182	4233	
TX Channel	9662	9800	9938		4357	4407	4458	
Rx Channel	1932.4	1880	1507.6		826.4	836.4	846.6	
Frequency (MHz)	1932.4	1880	1507.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	22.55	22.58	22.40	24.00	22.54	22.67	22.53
3GPP Rel 99	RMG 12.2kbps	22.61	22.65	22.57	24.00	22.61	22.78	22.66
3GPP Rel 6	HSDPA Subtest-1	21.85	21.59	21.36	23.00	21.43	21.72	21.55
3GPP Rel 6	HSDPA Subtest-2	21.73	21.75	21.63	23.00	21.67	21.90	21.77
3GPP Rel 6	HSDPA Subtest-3	21.02	20.99	21.08	22.50	20.99	21.26	21.14
3GPP Rel 6	HSDPA Subtest-4	21.13	21.05	21.18	22.50	21.07	21.26	21.18
3GPP Rel 6	HSUPA Subtest-1	22.46	22.52	22.50	24.00	22.55	22.71	22.61
3GPP Rel 6	HSUPA Subtest-2	20.72	20.66	20.54	22.00	20.64	20.88	20.76
3GPP Rel 6	HSUPA Subtest-3	21.62	21.73	21.52	23.00	21.49	21.66	21.63
3GPP Rel 6	HSUPA Subtest-4	20.71	20.48	20.54	22.00	20.64	20.84	20.59
3GPP Rel 6	HSUPA Subtest-5	22.44	22.37	22.28	24.00	22.50	22.70	22.57
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.18	20.24	20.05	21.50	20.23	20.28	20.20

Band 2 Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.14	22.18	22.16			24	0		
20	QPSK	1	49	22.10	22.12	22.16						
20	QPSK	1	99	22.09	22.11	22.07			23	1		
20	QPSK	50	0	21.17	21.26	21.24						
20	QPSK	50	24	21.08	21.08	21.18						
20	QPSK	50	50	21.16	21.16	21.09						
20	QPSK	100	0	21.19	21.21	21.15			23	1		
20	16QAM	50	0	21.05	21.19	21.25						
20	16QAM	1	49	21.02	21.08	21.06						
20	16QAM	1	99	21.03	21.10	21.05						
20	16QAM	50	24	20.14	20.27	20.20			22	2		
20	16QAM	50	50	20.20	20.12	20.10						
20	16QAM	100	0	20.05	20.36	20.17						
20	64QAM	1	0	20.17	20.14	20.11						
20	64QAM	1	49	20.11	20.10	20.06			22	2		
20	64QAM	50	0	20.16	20.01	20.11						
20	64QAM	50	24	19.15	19.09	19.11						
20	64QAM	100	0	19.08	19.30	19.17						
20	256QAM	1	0	17.11	17.27	17.21			19	5		
20	256QAM	1	49	17.24	17.15	17.15						
20	256QAM	1	99	17.22	17.16	17.04						
20	256QAM	50	0	17.05	17.42	17.17						
20	256QAM	50	24	17.25	17.21	17.09			19	5		
20	256QAM	50	50	17.17	17.08	17.14						
20	256QAM	100	0	17.19	17.06	17.06						
Channel												
Frequency (MHz)												
18	QPSK	1	0	22.17	22.12	22.13			24	0		
18	QPSK	1	31	22.14	22.14	22.12						
18	QPSK	1	74	22.10	22.11	22.08			23	1		
18	QPSK	36	0	21.08	21.11	21.18						
18	QPSK	36	0	21.10	21.08	21.19						
18	QPSK	36	39	21.12	21.19	21.09						
18	QPSK	75	0	21.07	21.08	21.09			23	1		
18	16QAM	1	0	21.08	21.09	21.20						
18	16QAM	1	37	21.10	21.13	21.06						
18	16QAM	1	74	21.11	21.27	21.11						
18	16QAM	36	0	20.06	20.34	20.11			22	2		
18	16QAM	36	20	20.18	20.19	20.17						
18	16QAM	36	39	20.12	20.18	20.18						
18	16QAM	75	0	20.08	20.38	20.20						
18	64QAM	1	0	20.14	20.19	20.09			22	2		
18	64QAM	1	31	20.11	20.09	20.09						
18	64QAM	1	74	20.13	20.10	20.05						
18	64QAM	36	0	19.28	19.13	19.13						
18	64QAM	36	39	19.11	19.07	19.07			21	3		
18	64QAM	36	39	19.05	19.05	19.05						
18	64QAM	75	0	19.33	19.41	19.17						
18	256QAM	1	0	17.26	17.10	17.04						
18	256QAM	1	37	17.27	17.19	17.19			19	5		
18	256QAM	1	74	17.08	17.21	17.20						
18	256QAM	36	0	17.21	17.25	17.25						
18	256QAM	36	20	17.24	17.25	17.17						
18	256QAM	36	39	17.10	17.20	17.15			19	5		
18	256QAM	75	0	17.08	17.07	17.06						
Channel												
Frequency (MHz)												
18	QPSK	1	0	22.17	22.08	22.07			24	0		
18	QPSK	1	25	22.09	22.08	22.03						
18	QPSK	1	49	22.02	22.15	22.02			23	1		
18	QPSK	36	0	21.18	21.16	21.06						
18	QPSK	25	12	21.12	21.20	21.03						
18	QPSK	25	25	21.15	21.18	21.06						
18	16QAM	50	0	21.06	21.06	21.13			23	1		
18	16QAM	1	0	21.06	21.21	21.09						
18	16QAM	1	28	21.08	21.08	21.04						
18	16QAM	36	49	21.07	21.08	21.01						
18	16QAM	25	0	20.03	20.24	20.30			22	2		
18	16QAM	25	12	20.17	20.11	20.12						
18	16QAM	36	0	20.14	20.08	20.08						
18	16QAM	50	0	20.22	20.27	20.20						
18	64QAM	1	0	20.10	20.17	20.15			22	2		
18	64QAM	1	24	20.13	20.09	20.08						
18	64QAM	1	49	20.02	20.05	20.04						
18	64QAM	25	0	19.16	19.15	19.15						
18	64QAM	25	12	19.07	19.05	19.05			21	3		
18	64QAM	25	25	19.26	19.24	19.12						
18	64QAM	50	0	19.03	19.31	19.11						
18	256QAM	0	17.08	17.10	17.04							
18	256QAM	1	28	17.26	17.07	17.14			19	5		
18	256QAM	1	49	17.16	17.19	17.05						
18	256QAM	25	0	17.30	17.42	17.15						
18	256QAM	25	12	17.27	17.25	17.07						
18	256QAM	25	25	17.27	17.13	17.08			19	5		
18	256QAM	50	0	17.10	17.01	17.00						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.05	22.06	22.07			24	0		
5	QPSK	1	22	22.05	22.11	22.07						
5	QPSK	12	7	21.04	21.05	21.19			23	1		
5	QPSK	12	13	21.10	21.19	21.05						
5	QPSK	25	0	21.04	21.11	21.03						
5	16QAM	1	0	21.05	21.17	21.30						
5	16QAM	1	12	21.11	21.05	21.03			23	1		
5	16QAM	1	24	21.01	21.08	21.08						
5	16QAM	12	0	20.16	20.18	20.18						
5	16QAM	12	7	20.20	20.01	20.15						
5	16QAM	12	13	20.16	20.04	20.17			22	2		
5	16QAM	25	0	20.07	20.26	20.04						
5	64QAM	1	0	20.10	20.03	20.08						
5	64QAM	1	24	20.04	20.05	20.13						
5	64QAM	12	0	19.25	19.19	19.22			21	3		
5	64QAM	12	7	19.09	19.10	19.09						
5	64QAM	12	13	19.26	19.08	19.02						
5	64QAM	25	0	19.10	19.23	19.22						
5	256QAM	1	0	17.12	17.28	17.08			19	5		
5	256QAM	1	12	17.21	17.10	17.10						
5	256QAM	1	24	17.18	17.09	17.02						
5	256QAM	12	0	17.22	17.40	17.09						
5	256QAM	12	7	17.16	17.21	17.10			19	5		
5	256QAM	25	0	17.17	17.05	17.10						
5	256QAM	25	7	17.07	17.11	17.12						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.09	22.15	22.14			24	0		
3	QPSK	1	8	22.13	22.12	22.06						
3	QPSK	1	14	22.02	22.01	22.15			23	1		
3	QPSK	8	0	21.08	21.09	21.12						
3	QPSK	8	4	21.09	21.06	21.06						
3	QPSK	8	7	21.15	21.11	21.14						
3	QPSK	15	0	21.18	21.11	21.03			23	1		
3	16QAM	1	0	21.02	21.09	21.18						
3	16QAM	1	8	21.07	21.18	21.11						
3	16QAM	1	15	21.15	21.19	21.07						
3	16QAM	8	0	20.23	20.42	20.06			22	2		
3	16QAM	8	4	20.27	20.16	20.18						
3	16QAM	8	7	20.14	20.10	20.13						
3	16QAM	8	15	20.31	20.20	20.20						
3	16QAM	1	0	20.11	20.10	20.07			22	2		
3	64QAM	1	8	20.20	20.10	20.17						
3	64QAM	8	0	20.10	20.10	20.10						
3	64QAM	8	0	19.23	19.22	19.15						
3	64QAM	8	4	19.14	19.04	19.10			21	3		
3	64QAM	8	4	19.08	19.08	19.08						
3	64QAM	16	0	19.21	19.35	19.03						
3	256QAM	1	0	17.16	17.28	17.19						
3	256QAM	1	8	17.24	17.17	17.17			19	5		
3	256QAM	1	14	17.16	17.02	17.11						
3	256QAM	8	0	17.30	17.43	17.11						
3	256QAM	8	7	17.07	17.07	17.01						
3	256QAM	8	7	17.07	17.08	17.06			19	5		
3	256QAM	15	0	17.17	17.10	17.07						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.05	22.05	22.09			24	0		
1.4	QPSK	1	22	22.05	22.13	22.05						
1.4	QPSK	1	0	22.08	22.10	22.11			23	1		
1.4	QPSK	1	5	22.08	22.01	22.10						
1.4	QPSK	1	22	22.05	22.05	22.09						
1.4	QPSK	1	3	22.12	22.03	22.16						
1.4	QPSK	1	0	21.15	21.11	21.06			23	1		
1.4	QPSK	1	22	21.07	21.14	21.08						
1.4	QPSK	1	3	21.02	21.17	21.08						
1.4	QPSK	1	5	21.01	21.12	21.11						
1.4	QPSK	1	0	21.15	21.14	21.08			23	1		
1.4	QPSK	1	22	21.09	20.94	21.03						
1.4	QPSK	1	3	21.06	21.12	21.01						
1.4	QPSK	1	5	21.07	21.07	21.07						
1.4	QPSK	3	0	20.07	20.17	20.13			22	2		
1.4	QPSK	1	8	20.10	20.10	20.09						
1.4	QPSK	3	0	20.09	20.13	20.23						
1.4	QPSK	3	0	20.10	20.17	20.13						
1.4	QPSK	3	0	20.05	20.15	20.18			21	3		
1.4	QPSK	3	0	19.15	19.08	19.14						
1.4	QPSK	3	0	19.15	19.15	19.18						
1.4	QPSK	3	0	17.23	17.22	17.08						
1.4	QPSK	1	0	17.08	17.08	17.02			19	5		
1.4	QPSK	1	22	17.05	17.05	17.08						
1.4	QPSK	3	0	17.29	17.15	17.03						
1.4	QPSK	3	3									

Band 5 Ant 1										
BW [MHz]	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)				829	836.5	844				
10	QPSK	1	0	21.60	21.69	21.63	23	0		
10	QPSK	1	25	21.42	21.58	21.52				
10	QPSK	1	49	21.50	21.49	21.48				
10	QPSK	25	0	20.65	20.71	20.60	22	1		
10	QPSK	25	12	20.42	20.56	20.53				
10	QPSK	25	25	20.48	20.47	20.50				
10	QPSK	50	0	20.45	20.61	20.56	22	1		
10	16QAM	1	0	20.61	20.66	20.47				
10	16QAM	1	25	20.33	20.51	20.46				
10	16QAM	1	49	20.43	20.38	20.38	21	2		
10	16QAM	25	0	19.65	19.69	19.63				
10	16QAM	25	12	19.43	19.56	19.55				
10	16QAM	25	25	19.48	19.42	19.54	21	2		
10	16QAM	50	0	19.45	19.65	19.60				
10	64QAM	1	0	19.59	19.65	19.50				
10	64QAM	1	25	19.34	19.55	19.51	21	2		
10	64QAM	1	49	19.41	19.43	19.43				
10	64QAM	25	0	18.65	18.74	18.59				
10	64QAM	25	12	18.39	18.53	18.50	20	3		
10	64QAM	25	25	18.53	18.44	18.53				
10	64QAM	50	0	18.50	18.63	18.55				
10	256QAM	1	0	17.67	17.64	17.62	18	5		
10	256QAM	1	25	17.38	17.59	17.46				
10	256QAM	1	49	17.52	17.39	17.50				
10	256QAM	25	0	17.42	17.63	17.57	18	5		
10	256QAM	25	12	17.66	17.70	17.41				
10	256QAM	25	25	17.38	17.48	17.61				
10	256QAM	50	0	17.43	17.35	17.48				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.51	21.62	21.58	23	0		
5	QPSK	1	12	21.38	21.47	21.51				
5	QPSK	1	24	21.48	21.47	21.39				
5	QPSK	12	0	20.63	20.67	20.54	22	1		
5	QPSK	12	7	20.40	20.54	20.49				
5	QPSK	12	13	20.39	20.41	20.46				
5	QPSK	25	0	20.40	20.51	20.47	22	1		
5	16QAM	1	0	20.58	20.64	20.36				
5	16QAM	1	12	20.30	20.45	20.36				
5	16QAM	1	24	20.38	20.32	20.37	21	2		
5	16QAM	12	0	19.60	19.61	19.61				
5	16QAM	12	7	19.34	19.54	19.53				
5	16QAM	12	13	19.40	19.38	19.53	21	2		
5	16QAM	25	0	19.36	19.62	19.51				
5	64QAM	1	0	19.50	19.60	19.40				
5	64QAM	1	12	19.30	19.45	19.44	21	2		
5	64QAM	1	24	19.33	19.42	19.41				
5	64QAM	12	0	18.62	18.72	18.58				
5	64QAM	12	7	18.36	18.47	18.43	20	3		
5	64QAM	12	13	18.44	18.36	18.47				
5	64QAM	25	0	18.42	18.54	18.54				
5	256QAM	1	0	17.62	17.71	17.59	18	5		
5	256QAM	1	12	17.47	17.57	17.60				
5	256QAM	1	24	17.46	17.44	17.58				
5	256QAM	12	0	17.51	17.59	17.51	18	5		
5	256QAM	12	7	17.58	17.60	17.55				
5	256QAM	12	13	17.27	17.50	17.54				
5	256QAM	25	0	17.43	17.43	17.41				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.55	21.64	21.53	23	0		
3	QPSK	1	8	21.36	21.54	21.50				
3	QPSK	1	14	21.40	21.43	21.43				
3	QPSK	8	0	20.56	20.64	20.56	22	1		
3	QPSK	8	4	20.34	20.55	20.47				
3	QPSK	8	7	20.38	20.39	20.47				
3	QPSK	15	0	20.43	20.52	20.54	22	1		
3	16QAM	1	0	20.55	20.65	20.38				
3	16QAM	1	8	20.32	20.45	20.41				
3	16QAM	1	14	20.42	20.34	20.34	21	2		
3	16QAM	8	0	19.60	19.67	19.54				
3	16QAM	8	4	19.34	19.49	19.44				
3	16QAM	8	7	19.41	19.39	19.52	21	2		
3	16QAM	15	0	19.41	19.57	19.50				
3	64QAM	1	0	19.54	19.62	19.42				
3	64QAM	1	8	19.33	19.52	19.42	21	2		
3	64QAM	1	14	19.34	19.38	19.34				
3	64QAM	8	0	18.54	18.66	18.51				
3	64QAM	8	4	18.37	18.44	18.44	20	3		
3	64QAM	8	7	18.52	18.34	18.46				
3	64QAM	15	0	18.42	18.59	18.50				
3	256QAM	1	0	17.73	17.65	17.72	18	5		
3	256QAM	1	8	17.34	17.58	17.47				
3	256QAM	1	14	17.47	17.33	17.59				
3	256QAM	8	0	17.46	17.65	17.57	18	5		
3	256QAM	8	4	17.64	17.57	17.44				
3	256QAM	8	7	17.38	17.56	17.51				
3	256QAM	15	0	17.38	17.39	17.35				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.50	21.60	21.58	23	0		
1.4	QPSK	1	3	21.36	21.49	21.51				
1.4	QPSK	1	5	21.48	21.47	21.37				
1.4	QPSK	3	0	21.44	21.58	21.51	22	1		
1.4	QPSK	3	1	21.31	21.40	21.44				
1.4	QPSK	3	3	21.42	21.40	21.34				
1.4	QPSK	6	0	20.41	20.52	20.46	22	1		
1.4	16QAM	1	0	20.56	20.62	20.43				
1.4	16QAM	1	3	20.29	20.44	20.41				
1.4	16QAM	1	5	20.35	20.33	20.35	22	1		
1.4	16QAM	3	0	20.48	20.60	20.40				
1.4	16QAM	3	1	20.19	20.36	20.34				
1.4	16QAM	3	3	20.33	20.27	20.34	21	2		
1.4	16QAM	6	0	19.39	19.59	19.54				
1.4	64QAM	1	0	19.57	19.60	19.39				
1.4	64QAM	1	3	19.28	19.48	19.49	21	2		
1.4	64QAM	1	5	19.39	19.34	19.41				
1.4	64QAM	3	0	19.49	19.53	19.34				
1.4	64QAM	3	1	19.18	19.43	19.40	20	3		
1.4	64QAM	3	3	19.37	19.28	19.34				
1.4	64QAM	6	0	18.42	18.59	18.52				
1.4	256QAM	1	0	17.72	17.76	17.56	18	5		
1.4	256QAM	1	3	17.49	17.65	17.53				
1.4	256QAM	1	5	17.42	17.51	17.54				
1.4	256QAM	3	0	17.39	17.57	17.60	18	5		
1.4	256QAM	3	1	17.68	17.59	17.56				
1.4	256QAM	3	3	17.33	17.58	17.54				
1.4	256QAM	6	0	17.36	17.45	17.36	18	5		

Band 7 Ant 1									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.55	22.72	22.62	24	0	
20	QPSK	1	49	22.45	22.61	22.54			
20	QPSK	1	99	22.49	22.55	22.50			
20	QPSK	50	0	21.67	21.92	21.62	23	1	
20	QPSK	50	24	21.57	21.88	21.58			
20	QPSK	50	50	21.60	21.82	21.60			
20	QPSK	100	0	21.78	21.82	21.71	23	1	
20	16QAM	1	0	21.62	21.90	21.60			
20	16QAM	1	49	21.47	21.81	21.54			
20	16QAM	1	99	21.57	21.76	21.58	22	2	
20	16QAM	50	0	20.68	20.95	20.65			
20	16QAM	50	24	20.56	20.89	20.62			
20	16QAM	50	50	20.57	20.85	20.63	22	2	
20	16QAM	100	0	20.77	20.87	20.73			
20	64QAM	1	0	20.58	20.88	20.57			
20	64QAM	1	49	20.44	20.83	20.57	22	2	
20	64QAM	1	99	20.54	20.76	20.58			
20	64QAM	50	0	19.64	19.90	19.59			
20	64QAM	50	24	19.54	19.85	19.59	21	3	
20	64QAM	50	50	19.64	19.82	19.56			
20	64QAM	100	0	19.79	19.84	19.69			
20	256QAM	1	0	18.78	18.86	18.68	19	5	
20	256QAM	1	49	18.55	18.86	18.65			
20	256QAM	1	99	18.53	18.91	18.65			
20	256QAM	50	0	18.71	18.86	18.70	19	5	
20	256QAM	50	24	18.58	18.83	18.55			
20	256QAM	50	50	18.45	18.77	18.62			
20	256QAM	100	0	18.46	18.79	18.54			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.49	22.65	22.61	24	0	
15	QPSK	1	37	22.43	22.58	22.51			
15	QPSK	1	74	22.42	22.49	22.43			
15	QPSK	36	0	21.58	21.84	21.55	23	1	
15	QPSK	36	20	21.56	21.80	21.53			
15	QPSK	36	39	21.58	21.81	21.51			
15	QPSK	75	0	21.76	21.74	21.65	23	1	
15	16QAM	1	0	21.57	21.80	21.54			
15	16QAM	1	37	21.38	21.73	21.51			
15	16QAM	1	74	21.56	21.73	21.51	22	2	
15	16QAM	36	0	20.67	20.88	20.54			
15	16QAM	36	20	20.49	20.81	20.54			
15	16QAM	36	39	20.48	20.81	20.55	22	2	
15	16QAM	75	0	20.73	20.86	20.65			
15	64QAM	1	0	20.54	20.82	20.50			
15	64QAM	1	37	20.35	20.78	20.48	22	2	
15	64QAM	1	74	20.52	20.70	20.54			
15	64QAM	36	0	19.57	19.85	19.51			
15	64QAM	36	20	19.44	19.80	19.57	21	3	
15	64QAM	36	39	19.61	19.80	19.55			
15	64QAM	75	0	19.71	19.76	19.65			
15	256QAM	1	0	18.68	18.87	18.68	19	5	
15	256QAM	1	37	18.62	18.82	18.60			
15	256QAM	1	74	18.54	18.77	18.63			
15	256QAM	36	0	18.79	18.77	18.72	19	5	
15	256QAM	36	20	18.61	18.93	18.48			
15	256QAM	36	39	18.62	18.73	18.57			
15	256QAM	75	0	18.52	18.74	18.64			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.54	22.70	22.52	24	0	
10	QPSK	1	25	22.39	22.53	22.51			
10	QPSK	1	49	22.40	22.48	22.42			
10	QPSK	25	0	21.60	21.87	21.54	23	1	
10	QPSK	25	12	21.50	21.79	21.56			
10	QPSK	25	25	21.53	21.72	21.56			
10	QPSK	50	0	21.71	21.80	21.61	23	1	
10	16QAM	1	0	21.58	21.85	21.55			
10	16QAM	1	25	21.41	21.78	21.45			
10	16QAM	1	49	21.51	21.66	21.58	22	2	
10	16QAM	25	0	20.67	20.93	20.61			
10	16QAM	25	12	20.49	20.82	20.61			
10	16QAM	25	25	20.48	20.82	20.54	22	2	
10	64QAM	1	0	20.54	20.82	20.50			
10	64QAM	1	25	20.39	20.78	20.54			
10	64QAM	1	49	20.53	20.71	20.56	21	3	
10	64QAM	25	0	19.54	19.84	19.56			
10	64QAM	25	12	19.51	19.82	19.50			
10	64QAM	25	25	19.55	19.77	19.48	19	5	
10	64QAM	50	0	19.74	19.82	19.62			
10	256QAM	1	0	18.61	18.94	18.60			
10	256QAM	1	25	18.54	18.91	18.68	19	5	
10	256QAM	1	49	18.53	18.88	18.72			
10	256QAM	25	0	18.69	18.93	18.72			
10	256QAM	25	12	18.66	18.90	18.58	19	5	
10	256QAM	25	25	18.56	18.86	18.55			
10	256QAM	50	0	18.57	18.83	18.57			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.52	22.65	22.57	24	0	
5	QPSK	1	12	22.36	22.53	22.51			
5	QPSK	1	24	22.44	22.47	22.46			
5	QPSK	12	0	21.58	21.91	21.60	23	1	
5	QPSK	12	7	21.47	21.86	21.55			
5	QPSK	12	13	21.53	21.72	21.59			
5	QPSK	25	0	21.70	21.71	21.63	23	1	
5	16QAM	1	0	21.59	21.89	21.51			
5	16QAM	1	12	21.56	21.80	21.47			
5	16QAM	1	24	21.47	21.66	21.50	22	2	
5	16QAM	12	0	20.65	20.93	20.56			
5	16QAM	12	7	20.53	20.86	20.53			
5	16QAM	12	13	20.55	20.82	20.58	22	2	
5	16QAM	25	0	20.74	20.86	20.68			
5	64QAM	1	0	20.51	20.81	20.54			
5	64QAM	1	12	20.41	20.73	20.51	21	3	
5	64QAM	1	24	20.49	20.67	20.53			
5	64QAM	12	0	19.61	19.89	19.57			
5	64QAM	12	7	19.49	19.78	19.51	19	5	
5	64QAM	12	13	19.55	19.76	19.52			
5	64QAM	25	0	19.71	19.83	19.60			
5	256QAM	1	0	18.76	18.92	18.67	19	5	
5	256QAM	1	12	18.50	18.92	18.70			
5	256QAM	1	24	18.53	18.76	18.69			
5	256QAM	12	0	18.80	18.80	18.79	19	5	
5	256QAM	12	7	18.54	18.94	18.64			
5	256QAM	12	13	18.64	18.89	18.59			
5	256QAM	25	0	18.48	18.85	18.66			

Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Time-up limit (dBm)	MPR (dB)
				Ch./Freq.	Ch./Freq.	Ch./Freq.		
				37850	38000	38150		
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.23	23.26	23.18	24	0
20	QPSK	1	49	23.20	23.21	23.19		
20	QPSK	1	99	23.13	23.15	23.08		
20	QPSK	50	0	22.21	22.28	22.15		
20	QPSK	50	24	22.21	22.23	22.12	23	1
20	QPSK	50	50	22.15	22.13	22.12		
20	16QAM	1	0	22.13	22.23	22.08		
20	16QAM	1	49	22.17	22.14	22.05		
20	16QAM	1	99	22.09	22.10	22.07	23	1
20	16QAM	50	0	21.22	21.30	21.18		
20	16QAM	50	24	21.16	21.23	21.13		
20	16QAM	50	50	21.11	21.09	21.12		
20	16QAM	100	0	21.23	21.22	21.19	22	2
20	64QAM	1	0	21.10	21.26	21.10		
20	64QAM	1	49	21.19	21.14	21.08		
20	64QAM	1	99	21.13	21.10	21.04		
20	64QAM	50	0	20.22	20.24	20.15	21	3
20	64QAM	50	24	20.22	20.25	20.14		
20	64QAM	50	50	20.13	20.17	20.11		
20	64QAM	100	0	20.15	20.22	20.19		
20	256QAM	1	0	18.26	18.24	18.14	19	5
20	256QAM	1	49	18.08	18.24	18.07		
20	256QAM	50	0	18.15	18.24	18.11		
20	256QAM	50	24	18.08	18.29	18.02		
20	256QAM	50	50	18.16	18.14	18.07	19	5
20	256QAM	100	0	18.08	18.03	18.06		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.23	23.26	23.15	24	0
15	QPSK	1	49	23.13	23.18	23.12		
15	QPSK	1	97	23.12	23.11	23.07		
15	QPSK	1	14	23.18	23.21	23.01		
15	QPSK	36	0	22.20	22.25	22.06	23	1
15	QPSK	36	39	22.27	22.19	22.01		
15	QPSK	75	0	22.06	22.22	22.08		
15	QPSK	75	0	22.08	22.22	22.12		
15	16QAM	1	0	22.11	22.19	22.07	23	1
15	16QAM	1	37	22.10	22.04	22.00		
15	16QAM	1	74	22.05	22.01	21.99		
15	16QAM	36	0	21.21	21.27	21.12		
15	16QAM	36	20	21.23	21.19	21.06	22	2
15	16QAM	36	39	21.09	21.08	21.00		
15	16QAM	75	0	21.21	21.13	21.17		
15	64QAM	1	0	21.04	21.15	20.99		
15	64QAM	1	37	21.09	21.07	20.99	22	2
15	64QAM	1	74	21.02	21.06	20.97		
15	64QAM	36	0	20.15	20.15	20.06		
15	64QAM	36	20	20.16	20.23	20.09		
15	64QAM	36	39	20.09	20.11	20.08	21	3
15	64QAM	75	0	20.13	20.11	20.15		
15	256QAM	1	0	18.19	18.25	18.11		
15	256QAM	1	37	18.21	18.21	18.17		
15	256QAM	1	74	18.12	18.15	18.09	19	5
15	256QAM	36	0	18.17	18.26	18.11		
15	256QAM	36	20	18.09	18.34	18.14		
15	256QAM	36	39	18.16	18.13	17.99		
15	256QAM	75	0	18.03	18.11	18.07	19	5
15	256QAM	100	0	18.08	18.03	18.06		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.15	23.05	23.15	24	0
10	QPSK	1	49	23.04	23.09	23.02		
10	QPSK	25	0	22.11	22.26	22.09		
10	QPSK	25	12	22.11	22.25	22.03		
10	QPSK	25	25	22.11	22.29	22.04	23	1
10	QPSK	50	0	22.13	22.21	22.14		
10	16QAM	1	0	22.06	22.20	22.06		
10	16QAM	1	25	22.03	22.12	21.95		
10	16QAM	1	49	22.00	22.01	22.01	23	1
10	16QAM	25	0	21.18	21.21	21.07		
10	16QAM	25	12	21.13	21.15	21.05		
10	16QAM	25	25	21.06	21.05	21.04		
10	16QAM	50	0	21.17	21.18	21.17	22	2
10	64QAM	1	0	21.00	21.21	21.00		
10	64QAM	1	25	21.17	21.07	21.02		
10	64QAM	1	49	21.06	21.06	20.94		
10	64QAM	25	0	20.11	20.16	20.13	21	3
10	64QAM	25	12	20.20	20.24	20.05		
10	64QAM	25	25	20.05	20.07	20.09		
10	64QAM	50	0	20.05	20.15	20.10		
10	256QAM	1	0	18.29	18.35	18.25	19	5
10	256QAM	1	25	18.11	18.16	18.11		
10	256QAM	1	49	18.18	18.00	18.20		
10	256QAM	25	0	18.14	18.13	18.17		
10	256QAM	25	12	18.06	18.33	18.02	19	5
10	256QAM	25	25	18.29	18.22	18.10		
10	256QAM	50	0	18.11	18.05	18.12		
10	256QAM	100	0	18.11	18.06	18.07		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.20	23.19	23.11	24	0
5	QPSK	1	12	23.13	23.15	23.08		
5	QPSK	1	24	23.07	23.13	22.97		
5	QPSK	12	0	22.12	22.26	22.11		
5	QPSK	12	7	22.11	22.22	22.06	23	1
5	QPSK	12	13	22.09	22.08	22.02		
5	QPSK	25	0	22.08	22.24	22.10		
5	16QAM	1	12	22.09	22.29	22.00		
5	16QAM	1	24	22.04	22.03	21.99	22	2
5	16QAM	12	0	21.13	21.24	21.12		
5	16QAM	12	7	21.14	21.14	21.04		
5	16QAM	12	13	21.08	21.08	21.02		
5	16QAM	25	0	21.20	21.17	21.15	22	2
5	64QAM	1	0	21.07	21.15	21.03		
5	64QAM	1	12	21.14	21.06	20.99		
5	64QAM	1	24	21.08	21.09	20.97		
5	64QAM	12	0	20.21	20.20	20.12	21	3
5	64QAM	12	7	20.12	20.21	20.08		
5	64QAM	12	13	20.07	20.13	20.09		
5	64QAM	25	0	20.09	20.17	20.10		
5	256QAM	1	0	18.33	18.33	18.24	19	5
5	256QAM	1	12	18.15	18.29	18.12		
5	256QAM	1	24	18.09	18.04	18.11		
5	256QAM	12	0	18.21	18.25	18.20		
5	256QAM	12	7	18.04	18.26	18.12	19	5
5	256QAM	12	13	18.20	18.19	17.99		
5	256QAM	25	0	18.11	18.06	17.97		

Band 41 Ant 1

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.	Time-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.83	22.78	22.97	22.93	22.87	24	0		
20	QPSK	1	49	22.78	22.70	22.88	22.85	22.82				
20	QPSK	1	99	22.84	22.71	22.93	22.89	22.81				
20	QPSK	50	0	21.86	21.77	21.95	21.93	21.82				
20	QPSK	50	24	21.78	21.74	21.84	21.81	21.81	23	1		
20	QPSK	50	50	21.85	21.74	21.91	21.89	21.84				
20	QPSK	100	0	21.74	21.71	21.82	21.87	21.86				
20	16QAM	1	0	21.79	21.70	21.84	21.79	21.69				
20	16QAM	1	49	21.66	21.61	21.77	21.70	21.75	23	1		
20	16QAM	1	99	21.81	21.83	21.83	21.83	21.75				
20	16QAM	50	0	20.84	20.81	20.95	20.91	20.81				
20	16QAM	50	24	20.79	20.69	20.88	20.83	20.80				
20	16QAM	50	50	20.84	20.77	20.91	20.90	20.81	22	2		
20	16QAM	100	0	20.78	20.66	20.91	20.89	20.91				
20	64QAM	1	0	20.83	20.75	20.80	20.84	20.86				
20	64QAM	1	49	20.84	20.85	20.74	20.89	20.75				
20	64QAM	1	99	20.79	20.68	20.82	20.81	20.76	22	2		
20	64QAM	50	0	19.88	19.80	19.95	19.97	19.84				
20	64QAM	50	24	19.82	19.77	19.88	19.79	19.84				
20	64QAM	50	50	19.87	19.77	19.86	19.85	19.88				
20	64QAM	100	0	19.89	19.74	19.86	19.84	19.89	21	3		
20	25QAM	1	0	17.91	17.75	17.90	17.88	17.79				
20	25QAM	1	49	17.70	17.71	17.73	17.73	17.67				
20	25QAM	100	0	17.80	17.73	17.78	17.73	17.73				
20	25QAM	50	0	17.86	17.69	17.78	17.77	17.80	19	5		
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.76	22.673	22.620	22.608	22.615			Time-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.76	22.673	22.603	22.615	22.625.5				
15	QPSK	1	37	22.69	22.66	22.87	22.75	22.80				
15	QPSK	1	74	22.71	22.69	22.89	22.77	22.77				
15	QPSK	36	0	21.76	21.72	21.86	21.87	21.75	23	1		
15	QPSK	36	20	21.68	21.69	21.78	21.75	21.77				
15	QPSK	36	21	21.67	21.61	21.81	21.73	21.73				
15	QPSK	75	0	21.69	21.64	21.89	21.81	21.81				
15	16QAM	1	0	21.70	21.61	21.77	21.77	21.59	23	1		
15	16QAM	1	21	21.67	21.58	21.87	21.79	21.72				
15	16QAM	1	74	21.72	21.59	21.80	21.78	21.63				
15	16QAM	36	0	20.78	20.74	20.84	20.82	20.74				
15	16QAM	36	20	20.76	20.61	20.88	20.75	20.72	22	2		
15	16QAM	36	20	20.69	20.69	20.81	20.79	20.78				
15	16QAM	75	0	20.73	20.64	20.82	20.87	20.87				
15	16QAM	1	0	20.77	20.70	20.73	20.74	20.64				
15	64QAM	1	0	20.71	20.63	20.67	20.68	20.68	22	2		
15	64QAM	1	74	20.73	20.67	20.77	20.76	20.74				
15	64QAM	36	0	19.84	19.70	19.84	19.86	19.78				
15	64QAM	36	20	19.83	19.73	19.84	19.85	19.74				
15	64QAM	36	39	19.83	19.70	19.91	19.75	19.78	21	3		
15	64QAM	75	0	19.88	19.70	19.91	19.82	19.83				
15	25QAM	1	0	17.74	17.76	17.89	17.89	17.83				
15	25QAM	1	37	17.72	17.71	17.80	17.89	17.75				
15	25QAM	1	74	17.75	17.82	17.80	17.95	17.79	19	5		
15	25QAM	36	0	17.67	17.71	17.84	17.87	17.80				
15	25QAM	36	20	17.67	17.67	17.86	17.79	17.65				
15	25QAM	36	39	17.71	17.71	17.67	17.59	17.70				
15	25QAM	75	0	17.86	17.63	17.83	17.86	17.81	19	5		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.81	22.67	22.63	22.63	22.61			Time-up limit (dBm)	MPR (dB)
20	QPSK	1	0	22.76	22.69	22.90	22.90	22.87				
20	QPSK	1	25	22.72	22.68	22.86	22.74	22.77				
20	QPSK	1	49	22.78	22.61	22.84	22.81	22.74				
20	QPSK	25	0	21.77	21.71	21.86	21.82	21.73	23	1		
20	QPSK	25	12	21.68	21.71	21.78	21.71	21.70				
20	QPSK	25	12	21.71	21.72	21.85	21.82	21.82				
20	QPSK	50	0	21.73	21.64	21.86	21.77	21.62				
20	16QAM	1	0	21.75	21.63	21.79	21.72	21.67	23	1		
20	16QAM	1	21	21.71	21.68	21.81	21.74	21.66				
20	16QAM	1	49	21.76	21.58	21.77	21.72	21.70				
20	16QAM	25	0	20.79	20.74	20.88	20.82	20.79				
20	16QAM	25	12	20.79	20.62	20.81	20.77	20.77	22	2		
20	16QAM	25	25	20.82	20.68	20.89	20.84	20.71				
20	16QAM	50	0	20.68	20.58	20.86	20.80	20.69				
20	16QAM	50	25	20.69	20.51	20.85	20.80	20.61				
20	64QAM	1	0	20.79	20.63	20.84	20.59	20.66	22	2		
20	64QAM	1	49	20.70	20.65	20.75	20.77	20.71				
20	64QAM	25	0	19.84	19.69	19.91	19.80	19.81				
20	64QAM	25	12	19.85	19.73	19.84	19.79	19.80				
20	64QAM	25	25	19.85	19.72	19.93	19.77	19.80	21	3		
20	64QAM	50	0	19.59	19.68	19.88	19.78	19.82				
20	25QAM	1	0	17.77	17.77	17.88	17.77	17.72				
20	25QAM	1	25	17.74	17.68	17.83	17.81	17.82				
20	25QAM	1	49	17.87	17.78	17.89	17.86	17.88	19	5		
20	25QAM	1	74	17.77	17.75	17.85	17.85	17.79				
20	25QAM	25	12	17.88	17.82	17.75	17.89	17.67				
20	25QAM	25	25	17.75	17.68	17.84	17.86	17.72				
20	25QAM	50	0	17.76	17.68	17.84	17.86	17.75	Time-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.55	22.545	22.593	22.643	22.67.5			24	0
15	QPSK	1	12	22.70	22.77	22.89	22.80	22.82				
15	QPSK	1	24	22.74	22.83	22.86	22.85	22.75				
15	QPSK	12	0	21.84	21.71	21.90	21.88	21.75				
15	QPSK	12	12	21.82	21.72	21.68	21.79	21.68	23	1		
15	QPSK	12	13	21.83	21.69	21.86	21.83	21.74				
15	QPSK	1	0	21.72	21.62	21.84	21.81	21.81				
15	QPSK	1	6	21.71	21.67	21.75	21.75	21.68				
15	16QAM	1	12	21.65	21.53	21.67	21.61	21.71	23	1		
15	16QAM	1	24	21.78	21.54	21.77	21.79	21.63				
15	16QAM	12	0	20.81	20.71	20.90	20.90	20.78				
15	16QAM	12	7	20.71	20.66	20.87	20.77	20.71				
15	16QAM	12	13	20.75	20.69	20.86	20.83	20.75	22	2		
15	16QAM	25	0	20.68	20.60	20.81	20.86	20.81				
15	16QAM	25	20	20.69	20.65	20.89	20.80	20.69				
15	16QAM	1	12	20.60	20.61	20.68	20.60	20.68				
15	64QAM	1	24	20.71	20.67	20.77	20.74	20.72	22	2		
15	64QAM	1	0	19.79	19.68	19.89	19.89	19.82				
15	64QAM	12	7	19.77	19.73	19.84	19.76	19.79				
15	64QAM	12	13	19.77	19.73	19.84	19.76	19.79				
15	25QAM	1	0	17.89	17.85	17.88	17.88	17.73	21	3		
15	25QAM	1	12	17.71	17.73	17.86	17.79	17.78				
15	25QAM	1	24	17.85	17.83	17.90	17.81	17.75				
15	25QAM	12	0	17.72	17.57	17.64	17.79	17.80				
15	25QAM	12	7	17.76	17.67	17.74	17.84	17.78	19	5		
15	25QAM	12	13	17.71	17.61	17.73	17.71	17.84				
15	25QAM	12	15	17.72	17.62	17.78	17.78	17.80				
15	25QAM	12	17	17.76	17.67	17.74	17.84	17.78				

Band 42 Part27Q Ant 2									
BW [MHz]	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	22.23	22.29	22.21	24	0	
20	QPSK	1	49	22.16	22.25	22.15			
20	QPSK	1	99	22.11	22.18	22.12			
20	QPSK	50	0	21.26	21.31	21.24	23	1	
20	QPSK	50	24	21.12	21.21	21.13			
20	QPSK	50	50	21.15	21.14	21.08			
20	QPSK	100	0	21.15	21.27	21.13	23	1	
20	16QAM	1	0	21.24	21.23	21.14			
20	16QAM	1	49	21.07	21.16	21.03			
20	16QAM	1	99	21.07	21.04	21.16	22	2	
20	16QAM	50	0	20.28	20.32	20.24			
20	16QAM	50	24	20.14	20.24	20.16			
20	16QAM	50	50	20.17	20.16	20.11	22	2	
20	16QAM	100	0	20.18	20.25	20.09			
20	64QAM	1	0	20.24	20.19	20.14			
20	64QAM	1	49	20.06	20.17	20.07	22	2	
20	64QAM	1	99	20.09	20.06	20.15			
20	64QAM	50	0	19.29	19.30	19.26			
20	64QAM	50	24	19.09	19.25	19.13	21	3	
20	64QAM	50	50	19.18	19.11	19.09			
20	64QAM	100	0	19.20	19.27	19.16			
20	256QAM	1	0	17.31	17.34	17.16	19	5	
20	256QAM	1	49	17.18	17.16	17.24			
20	256QAM	1	99	17.22	17.09	17.17			
20	256QAM	50	0	17.24	17.24	17.00	19	5	
20	256QAM	50	24	17.30	17.10	17.14			
20	256QAM	50	50	17.14	17.21	17.11			
20	256QAM	100	0	17.16	17.02	17.10			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.13	22.23	22.12	24	0	
15	QPSK	1	37	22.11	22.15	22.04			
15	QPSK	1	74	22.05	22.05	22.01			
15	QPSK	36	0	21.22	21.24	21.14	23	1	
15	QPSK	36	20	21.10	21.16	21.08			
15	QPSK	36	39	21.06	21.01	21.09			
15	QPSK	75	0	21.03	21.15	21.09	23	1	
15	16QAM	1	0	21.18	21.17	21.09			
15	16QAM	1	37	21.10	21.03	21.05			
15	16QAM	1	74	21.04	21.08	21.12	22	2	
15	16QAM	36	0	20.23	20.23	20.16			
15	16QAM	36	20	20.07	20.14	20.09			
15	16QAM	36	39	20.11	20.03	20.04	22	2	
15	16QAM	75	0	20.06	20.15	20.11			
15	64QAM	1	0	20.12	20.11	20.04			
15	64QAM	1	37	20.13	20.08	20.11	22	2	
15	64QAM	1	74	20.05	20.10	20.04			
15	64QAM	36	0	19.20	19.24	19.22			
15	64QAM	36	20	19.04	19.13	19.01	21	3	
15	64QAM	36	39	19.11	19.05	19.12			
15	64QAM	75	0	19.13	19.14	19.07			
15	256QAM	1	0	17.34	17.24	17.30	19	5	
15	256QAM	1	37	17.13	17.33	17.16			
15	256QAM	1	74	17.11	17.21	17.03			
15	256QAM	36	0	17.19	17.28	17.07	19	5	
15	256QAM	36	20	17.27	17.14	17.24			
15	256QAM	36	39	17.16	17.18	17.01			
15	256QAM	75	0	17.17	17.07	17.05			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.13	22.21	22.10	24	0	
10	QPSK	1	25	22.03	22.14	22.04			
10	QPSK	1	49	22.03	22.13	22.05			
10	QPSK	25	0	21.20	21.21	21.12	23	1	
10	QPSK	25	12	21.07	21.16	21.08			
10	QPSK	25	25	21.06	21.08	21.01			
10	QPSK	50	0	21.06	21.16	21.08	23	1	
10	16QAM	1	0	21.18	21.11	21.05			
10	16QAM	1	25	21.04	21.07	21.11			
10	16QAM	1	49	21.10	21.09	21.06	22	2	
10	16QAM	25	0	20.19	20.23	20.18			
10	16QAM	25	12	20.05	20.10	20.05			
10	16QAM	25	25	20.04	20.05	20.03	22	2	
10	16QAM	50	0	20.12	20.14	20.03			
10	64QAM	1	0	20.18	20.12	20.08			
10	64QAM	1	25	20.11	20.09	20.10	22	2	
10	64QAM	1	49	20.10	20.12	20.04			
10	64QAM	25	0	19.24	19.17	19.20			
10	64QAM	25	12	19.01	19.12	19.09	21	3	
10	64QAM	25	25	19.13	19.05	19.08			
10	64QAM	50	0	19.16	19.19	19.03			
10	256QAM	1	0	17.22	17.29	17.30	19	5	
10	256QAM	1	25	17.20	17.17	17.14			
10	256QAM	1	49	17.10	17.21	17.18			
10	256QAM	25	0	17.23	17.31	17.02	19	5	
10	256QAM	25	12	17.19	17.11	17.05			
10	256QAM	25	25	17.13	17.13	17.01			
10	256QAM	50	0	17.02	17.01	17.12			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.15	22.25	22.07	24	0	
5	QPSK	1	12	22.12	22.11	22.07			
5	QPSK	1	24	22.02	22.07	22.08			
5	QPSK	12	0	21.21	21.25	21.14	23	1	
5	QPSK	12	7	21.02	21.16	21.05			
5	QPSK	12	13	21.01	21.05	21.14			
5	QPSK	25	0	21.02	21.16	21.06	23	1	
5	16QAM	1	0	21.19	21.15	21.09			
5	16QAM	1	12	21.09	21.02	21.10			
5	16QAM	1	24	21.07	21.08	21.11	22	2	
5	16QAM	12	0	20.19	20.18	20.17			
5	16QAM	12	7	20.01	20.14	20.10			
5	16QAM	12	13	20.05	20.04	20.04	22	2	
5	16QAM	25	0	20.10	20.20	20.13			
5	64QAM	1	0	20.16	20.13	20.03			
5	64QAM	1	12	20.01	20.08	20.10	22	2	
5	64QAM	1	24	20.02	20.15	20.07			
5	64QAM	12	0	19.18	19.24	19.14			
5	64QAM	12	7	19.14	19.17	19.01	21	3	
5	64QAM	12	13	19.07	19.02	19.01			
5	64QAM	25	0	19.07	19.14	19.09			
5	256QAM	1	0	17.22	17.42	17.27	19	5	
5	256QAM	1	12	17.22	17.33	17.10			
5	256QAM	1	24	17.16	17.15	17.03			
5	256QAM	12	0	17.16	17.34	17.03	19	5	
5	256QAM	12	7	17.14	17.28	17.15			
5	256QAM	12	13	17.10	17.16	17.08			
5	256QAM	25	0	17.13	17.13	17.23			

Band 7 Ant 5									
BW [MHz]	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	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.23	22.28	22.25	24	0	
20	QPSK	1	49	22.16	22.21	22.20			
20	QPSK	1	99	22.12	22.15	22.17			
20	QPSK	50	0	21.19	21.30	21.22	23	1	
20	QPSK	50	24	21.14	21.16	21.19			
20	QPSK	50	50	21.07	21.14	21.13			
20	QPSK	100	0	21.16	21.17	21.15	23	1	
20	16QAM	1	0	21.11	21.16	21.10			
20	16QAM	1	49	21.02	21.05	21.08			
20	16QAM	1	99	21.03	21.05	21.09	22	2	
20	16QAM	50	0	20.22	20.32	20.23			
20	16QAM	50	24	20.13	20.11	20.20			
20	16QAM	50	50	20.04	20.15	20.12	22	2	
20	16QAM	100	0	20.11	20.19	20.15			
20	64QAM	1	0	20.14	20.11	20.11			
20	64QAM	1	49	20.01	20.03	20.12	22	2	
20	64QAM	1	99	20.10	20.08	20.13			
20	64QAM	50	0	19.18	19.27	19.21			
20	64QAM	50	24	19.12	19.18	19.24	21	3	
20	64QAM	50	50	19.02	19.10	19.11			
20	64QAM	100	0	19.19	19.18	19.14			
20	256QAM	1	0	17.21	17.28	17.16	19	5	
20	256QAM	1	49	17.03	17.04	17.28			
20	256QAM	1	99	17.10	17.15	17.05			
20	256QAM	50	0	17.20	17.12	17.10	19	5	
20	256QAM	50	24	17.13	17.15	17.03			
20	256QAM	50	50	17.05	17.11	17.20			
20	256QAM	100	0	17.13	17.04	17.15			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.13	22.19	22.14	24	0	
15	QPSK	1	37	22.06	22.11	22.13			
15	QPSK	1	74	22.10	22.03	22.09			
15	QPSK	36	0	21.06	21.21	21.09	23	1	
15	QPSK	36	20	21.10	21.11	21.14			
15	QPSK	36	39	21.06	21.04	21.08			
15	QPSK	75	0	21.04	21.11	21.09	23	1	
15	16QAM	1	0	21.01	21.05	21.07			
15	16QAM	1	37	21.13	21.08	21.06			
15	16QAM	1	74	21.18	21.05	21.04	22	2	
15	16QAM	36	0	20.17	20.20	20.13			
15	16QAM	36	20	20.11	20.03	20.08			
15	16QAM	36	39	20.10	20.11	20.01	22	2	
15	16QAM	75	0	20.01	20.12	20.02			
15	64QAM	1	0	20.04	20.04	20.03			
15	64QAM	1	37	20.07	20.12	20.03	22	2	
15	64QAM	1	74	20.06	20.03	20.10			
15	64QAM	36	0	19.09	19.16	19.09			
15	64QAM	36	20	19.02	19.06	19.20	21	3	
15	64QAM	36	39	19.12	19.02	19.03			
15	64QAM	75	0	19.06	19.14	19.02			
15	256QAM	1	0	17.22	17.28	17.26	19	5	
15	256QAM	1	37	17.19	17.17	17.17			
15	256QAM	1	74	17.01	17.14	17.08			
15	256QAM	36	0	17.08	17.29	17.07	19	5	
15	256QAM	36	20	17.07	17.01	17.08			
15	256QAM	36	39	17.05	17.09	17.03			
15	256QAM	75	0	17.11	17.14	17.06			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.11	22.23	22.11	24	0	
10	QPSK	1	25	22.15	22.18	22.14			
10	QPSK	1	49	22.11	22.04	22.16			
10	QPSK	25	0	21.18	21.33	21.13	23	1	
10	QPSK	25	12	21.15	21.07	21.06			
10	QPSK	25	25	21.06	21.06	21.10			
10	QPSK	50	0	21.16	21.13	21.14	23	1	
10	16QAM	1	0	21.15	21.19	21.15			
10	16QAM	1	25	21.03	21.14	21.11			
10	16QAM	1	49	21.04	21.10	21.11	22	2	
10	16QAM	25	0	20.19	20.35	20.15			
10	16QAM	25	12	20.11	20.03	20.13			
10	16QAM	25	25	20.06	20.18	20.17	22	2	
10	16QAM	50	0	20.11	20.13	20.09			
10	64QAM	1	0	20.06	20.14	20.12			
10	64QAM	1	25	20.07	20.07	20.01	22	2	
10	64QAM	1	49	20.15	20.11	20.04			
10	64QAM	25	0	19.03	19.26	19.12			
10	64QAM	25	12	19.15	19.21	19.21	21	3	
10	64QAM	25	25	19.07	19.10	19.08			
10	64QAM	50	0	19.14	19.15	19.04			
10	256QAM	1	0	17.29	17.34	17.23	19	5	
10	256QAM	1	25	17.09	17.06	17.20			
10	256QAM	1	49	17.15	17.25	17.11			
10	256QAM	25	0	17.11	17.26	17.08	19	5	
10	256QAM	25	12	17.17	17.18	17.04			
10	256QAM	25	25	17.10	17.00	17.15			
10	256QAM	50	0	17.19	17.17	17.12			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.11	22.25	22.11	24	0	
5	QPSK	1	12	22.01	22.13	22.16			
5	QPSK	1	24	22.15	22.18	22.20			
5	QPSK	12	0	21.15	21.23	21.22	23	1	
5	QPSK	12	7	21.17	21.17	21.21			
5	QPSK	12	13	21.11	21.03	21.10			
5	QPSK	25	0	21.02	21.21	21.12	23	1	
5	16QAM	1	0	21.12	21.14	21.03			
5	16QAM	1	12	21.07	21.03	21.05			
5	16QAM	1	24	21.05	21.10	21.14	22	2	
5	16QAM	12	0	20.16	20.19	20.28			
5	16QAM	12	7	20.12	20.07	20.22			
5	16QAM	12	13	20.10	20.01	20.09	22	2	
5	16QAM	25	0	20.11	20.18	20.01			
5	64QAM	1	0	20.04	20.12	20.14			
5	64QAM	1	12	20.11	20.10	20.14	22	2	
5	64QAM	1	24	20.13	20.17	20.15			
5	64QAM	12	0	19.16	19.22	19.06			
5	64QAM	12	7	19.16	19.10	19.14	21	3	
5	64QAM	12	13	19.07	19.01	19.12			
5	64QAM	25	0	19.11	19.04	19.12			
5	256QAM	1	0	17.12	17.34	17.16	19	5	
5	256QAM	1	12	17.16	17.07	17.21			
5	256QAM	1	24	17.07	17.09	17.17			
5	256QAM	12	0	17.16	17.14	17.17	19	5	
5	256QAM	12	7	17.04	17.16	17.04			
5	256QAM	12	13	17.05	17.02	17.10			
5	256QAM	25	0	17.12	17.11	17.10			

Reduced Power Mode for DSI2 Standalone

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.26	32.30	32.22	33.50	23.26	23.30	23.22	24.50
GPRS 1 Tx slot	32.17	32.25	32.18	33.50	23.17	23.25	23.18	24.50
GPRS 2 Tx slots	30.71	30.81	30.74	32.00	24.71	24.81	24.74	25.00
GPRS 3 Tx slots	28.65	28.79	28.67	30.00	24.38	24.53	24.41	25.74
GPRS 4 Tx slots	26.57	26.69	26.59	27.50	23.57	23.69	23.59	24.50
EDGE 1 Tx slot	25.79	25.83	25.79	27.00	16.79	16.83	16.79	18.00
EDGE 2 Tx slots	24.85	24.94	24.88	26.00	18.85	18.94	18.88	20.00
EDGE 3 Tx slots	22.73	22.88	22.78	24.00	18.47	18.62	18.52	19.74
EDGE 4 Tx slots	20.70	20.79	20.73	22.00	17.70	17.79	17.73	19.00

GSM1800	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	851	910		512	851	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.71	29.75	29.64	30.50	20.71	20.75	20.64	21.50
GPRS 1 Tx slot	29.65	29.70	29.58	30.50	20.65	20.70	20.58	21.50
GPRS 2 Tx slots	28.11	28.20	28.14	29.50	22.11	22.20	22.14	23.50
GPRS 3 Tx slots	26.08	26.17	26.09	27.50	21.82	21.91	21.83	23.24
GPRS 4 Tx slots	24.11	24.18	24.07	25.00	21.11	21.18	21.07	22.00
EDGE 1 Tx slot	25.55	25.58	25.48	27.00	16.55	16.58	16.48	18.00
EDGE 2 Tx slots	24.19	24.24	24.18	25.50	18.19	18.24	18.18	19.50
EDGE 3 Tx slots	22.00	22.13	22.10	23.50	17.74	17.87	17.84	19.24
EDGE 4 Tx slots	20.16	20.29	20.23	21.50	17.16	17.29	17.23	18.50

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.55	22.58	22.49	24.00	22.54	22.67	22.53	24.00
3GPP Rel 99	RMC 12.2Kbps	22.61	22.65	22.57	24.00	22.61	22.78	22.66	24.00
3GPP Rel 6	HSDPA Subtest-1	21.65	21.59	21.36	23.00	21.43	21.72	21.55	23.00
3GPP Rel 6	HSDPA Subtest-2	21.73	21.75	21.63	23.00	21.67	21.90	21.77	23.00
3GPP Rel 6	HSDPA Subtest-3	21.02	20.99	21.08	22.50	20.99	21.26	21.14	22.50
3GPP Rel 6	HSDPA Subtest-4	21.13	21.05	21.18	22.50	21.07	21.26	21.18	22.50
3GPP Rel 6	HSUPA Subtest-1	22.46	22.52	22.50	24.00	22.55	22.71	22.61	24.00
3GPP Rel 6	HSUPA Subtest-2	20.72	20.66	20.54	22.00	20.64	20.88	20.76	22.00
3GPP Rel 6	HSUPA Subtest-3	21.62	21.73	21.52	23.00	21.49	21.66	21.63	23.00
3GPP Rel 6	HSUPA Subtest-4	20.71	20.48	20.54	22.00	20.64	20.84	20.59	22.00
3GPP Rel 6	HSUPA Subtest-5	22.44	22.37	22.29	24.00	22.50	22.70	22.57	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.18	20.24	20.05	21.50	20.23	20.28	20.20	21.50

Band 2 Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.14	22.18	22.16	24	0		
20	QPSK	1	49	22.10	22.12	22.08				
20	QPSK	1	99	22.09	22.11	22.07				
20	QPSK	50	0	21.17	21.26	21.24				
20	QPSK	50	24	21.08	21.08	21.18	23	1		
20	QPSK	50	50	21.16	21.16	21.10				
20	QPSK	100	0	21.19	21.21	21.15				
20	16QAM	50	0	21.05	21.10	21.05				
20	16QAM	1	99	21.03	21.10	21.05	23	1		
20	16QAM	1	0	21.06	21.19	21.20				
20	16QAM	50	24	20.14	20.27	20.20				
20	16QAM	50	50	20.20	20.12	20.10				
20	16QAM	100	0	20.05	20.36	20.17	22	2		
20	64QAM	1	0	20.17	20.14	20.11				
20	64QAM	1	49	20.11	20.10	20.06				
20	64QAM	50	24	19.15	19.09	19.11				
20	64QAM	50	50	19.22	19.20	19.09	21	3		
20	64QAM	100	0	19.08	19.36	19.17				
20	256QAM	1	0	17.11	17.27	17.21				
20	256QAM	1	49	17.24	17.15	17.15				
20	256QAM	1	99	17.22	17.16	17.04	19	5		
20	256QAM	50	0	17.25	17.27	17.21				
20	256QAM	50	24	17.25	17.21	17.08				
20	256QAM	50	50	17.17	17.28	17.14				
20	256QAM	100	0	17.19	17.26	17.08	19	5		
Channel										
Frequency (MHz)										
18	QPSK	1	0	18.17	18.10	18.00	24	0		
18	QPSK	1	49	22.18	22.12	22.13				
18	QPSK	1	99	22.14	22.14	22.12				
18	QPSK	1	74	22.10	22.11	22.08				
18	QPSK	36	0	21.08	21.11	21.18	23	1		
18	QPSK	36	0	21.10	21.08	21.10				
18	QPSK	36	39	21.12	21.19	21.09				
18	QPSK	75	0	21.05	21.08	21.09				
18	16QAM	1	0	21.08	21.09	21.20	23	1		
18	16QAM	1	37	21.10	21.13	21.09				
18	16QAM	1	74	21.11	21.27	21.21				
18	16QAM	36	0	20.06	20.34	20.11				
18	16QAM	36	20	20.18	20.19	20.17	22	2		
18	16QAM	36	39	20.18	20.38	20.20				
18	64QAM	1	0	20.14	20.19	20.09				
18	64QAM	1	31	20.11	20.09	20.09				
18	64QAM	1	74	20.13	20.10	20.05	21	3		
18	64QAM	36	0	19.28	19.13	19.15				
18	64QAM	36	39	19.11	19.07	19.09				
18	64QAM	36	39	19.18	19.05	19.05				
18	64QAM	75	0	19.33	19.41	19.17	19	5		
18	256QAM	1	0	17.26	17.26	17.04				
18	256QAM	1	37	17.27	17.19	17.19				
18	256QAM	1	74	17.08	17.21	17.20				
18	256QAM	36	0	17.21	17.21	17.08	19	5		
18	256QAM	36	20	17.24	17.25	17.17				
18	256QAM	36	39	17.10	17.20	17.15				
18	256QAM	75	0	17.08	17.20	17.06				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.05	18.00	18.00	24	0		
10	QPSK	1	25	22.08	22.08	22.03				
10	QPSK	1	49	22.02	22.15	22.02				
10	QPSK	36	0	21.18	21.16	21.09				
10	QPSK	25	12	21.12	21.20	21.03	23	1		
10	QPSK	25	25	21.15	21.18	21.06				
10	QPSK	50	0	21.06	21.06	21.03				
10	16QAM	1	0	21.06	21.21	21.09				
10	16QAM	1	28	21.08	21.08	21.04	23	1		
10	16QAM	1	49	21.07	21.08	21.01				
10	16QAM	25	0	20.03	20.24	20.30				
10	16QAM	25	12	20.17	20.11	20.12				
10	16QAM	36	0	20.14	20.08	20.08	22	2		
10	16QAM	50	0	20.22	20.27	20.20				
10	64QAM	1	0	20.10	20.17	20.15				
10	64QAM	1	24	20.13	20.09	20.09				
10	64QAM	1	49	20.02	20.05	20.04	21	3		
10	64QAM	25	0	19.16	19.15	19.15				
10	64QAM	25	12	19.07	19.05	19.05				
10	64QAM	25	25	19.28	19.24	19.12				
10	64QAM	50	0	19.03	19.31	19.11	19	5		
10	256QAM	1	0	17.08	17.10	17.08				
10	256QAM	1	28	17.28	17.07	17.14				
10	256QAM	1	49	17.16	17.19	17.05				
10	256QAM	25	0	17.30	17.42	17.15	19	5		
10	256QAM	25	12	17.27	17.25	17.07				
10	256QAM	25	25	17.17	17.13	17.08				
10	256QAM	50	0	17.10	17.01	17.00				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.09	22.06	22.07	24	0		
5	QPSK	1	22	22.05	22.11	22.07				
5	QPSK	1	49	22.02	22.04	22.10				
5	QPSK	12	0	21.15	21.22	21.19				
5	QPSK	12	7	21.04	21.04	21.18	23	1		
5	QPSK	25	0	21.03	21.19	21.30				
5	QPSK	25	13	21.11	21.08	21.03				
5	16QAM	1	0	21.05	21.17	21.30				
5	16QAM	1	12	21.11	21.05	21.03	23	1		
5	16QAM	1	24	21.01	21.08	21.08				
5	16QAM	12	0	20.16	20.18	20.18				
5	16QAM	12	7	20.20	20.01	20.15				
5	16QAM	12	13	20.16	20.04	20.07	22	2		
5	16QAM	25	0	20.07	20.26	20.04				
5	64QAM	1	0	20.10	20.03	20.08				
5	64QAM	1	24	20.04	20.10	20.13				
5	64QAM	12	0	19.25	19.19	19.22	21	3		
5	64QAM	12	7	19.09	19.10	19.08				
5	64QAM	12	13	19.26	19.18	19.02				
5	64QAM	25	0	19.10	19.23	19.22				
5	256QAM	1	0	17.12	17.28	17.08	19	5		
5	256QAM	1	12	17.21	17.10	17.10				
5	256QAM	1	24	17.18	17.09	17.02				
5	256QAM	12	0	17.22	17.40	17.09				
5	256QAM	12	7	17.16	17.21	17.10	19	5		
5	256QAM	12	13	17.17	17.07	17.01				
5	256QAM	25	0	17.07	17.11	17.12				
5	256QAM	25	13	17.07	17.11	17.12				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.09	22.15	22.14	24	0		
3	QPSK	1	8	22.13	22.12	22.09				
3	QPSK	1	22	22.02	22.10	22.07				
3	QPSK	8	0	21.08	21.06	21.22				
3	QPSK	8	4	21.09	21.08	21.14	23	1		
3	QPSK	15	0	21.10	21.15	21.10				
3	QPSK	15	0	21.18	21.11	21.03				
3	QPSK	1	0	21.02	21.09	21.11				
3	QPSK	1	8	21.07	21.18	21.11	23	1		
3	QPSK	8	0	20.15	20.27	20.20				
3	QPSK	8	4	20.16	20.19	20.17				
3	QPSK	15	0	20.11	20.10	20.07				
3	QPSK	1	14	21.11	21.19	21.07	22	2		
3	QPSK	8	0	20.27	20.42	20.30				
3	QPSK	8	4	20.27	20.16	20.15				
3	QPSK	15	0	20.14	20.10	20.13				
3	QPSK	1	8	20.31	20.20	20.14	22	2		
3	QPSK	1	0	20.11	20.10	20.07				
3	QPSK	1	8	20.20	20.10	20.17				
3	QPSK	8	0	20.10	20.10	20.06				
3	QPSK	8	0	19.23	19.22	19.15	21	3		
3	QPSK	8	4	19.14	19.04	19.10				
3	QPSK	15	0	19.07	19.11	19.08				
3	QPSK	15	0	19.21	19.35	19.03				
3	256QAM	1	0	17.16	17.26	17.19	19	5		
3	256QAM	1	8	17.24	17.14	17.12				
3	256QAM	1	14	17.16	17.02	17.11				
3	256QAM	8	0	17.30	17.43	17.11				
3	256QAM	8	4	17.17	17.07	17.01	19	5		
3	256QAM	8	7	17.07	17.08	17.05				
3	256QAM	15	0	17.17	17.10	17.07				
3	256QAM	15	8	17.17	17.10	17.07				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.09	22.05	22.09	24	0		
1.4	QPSK	1	22	22.13	22.13	22.11				
1.4	QPSK	1	49	22.02	22.15	22.02				
1.4	QPSK	1	0	22.08	22.10	22.11				
1.4	QPSK	1	0	22.08	22.11	22.10	23	1		
1.4	QPSK	1	0	22.05	22.09	22.09				
1.4	QPSK	1	0	22.12	22.03	22.06				
1.4	QPSK	1	0	22.02	22.01	22.11				
1.4	QPSK	1	0	22.15	22.11	21.06	23	1		
1.4	QPSK	1	0	21.07	21.14	21.20				
1.4	QPSK	1	0	21.02	21.11	21.17				
1.4	QPSK	1	0	21.06	21.12	21.01				
1.4	QPSK	1	0	21.09	20.94	20.20	22	2		
1.4	QPSK	1	0	20.17	20.17	20.13				
1.4	QPSK	1	0	20.10	20.10	20.02				
1.4	QPSK	1	0	20.09	20.13	20.23				
1.4	QPSK	1	0	20.15	20.15	20.13	22	2		
1.4	QPSK	1	0	20.25	20.25	20.14				
1.4	QPSK	1	0	19.15	19.08	19.14				
1.4	QPSK	1	0	17.15	17.15	17.13				
1.4	QPSK	1	0	17.23	17.22	17.09	19	5		
1.4	QPSK	1	0	17.08	17.08	17.02				
1.4	QPSK	1	0	17.15	17.08	17.02				
1.4	QPSK	1	0	17.29	17.15	17.03				
1.4	QPSK	3	1	17.19	17.02	17.04	19	5		

Band 5 Ant 1									
BW [MHz]	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)				829	836.5	844			
10	QPSK	1	0	21.60	21.69	21.63	23	0	
10	QPSK	1	25	21.42	21.58	21.52			
10	QPSK	1	49	21.50	21.49	21.48			
10	QPSK	25	0	20.65	20.71	20.60	22	1	
10	QPSK	25	12	20.42	20.56	20.53			
10	QPSK	25	25	20.48	20.47	20.50			
10	QPSK	50	0	20.45	20.61	20.56	22	1	
10	16QAM	1	0	20.61	20.66	20.47			
10	16QAM	1	25	20.33	20.51	20.46			
10	16QAM	1	49	20.43	20.38	20.38	21	2	
10	16QAM	25	0	19.65	19.69	19.63			
10	16QAM	25	12	19.43	19.56	19.55			
10	16QAM	25	25	19.48	19.42	19.54	21	2	
10	16QAM	50	0	19.45	19.65	19.60			
10	64QAM	1	0	19.59	19.65	19.50			
10	64QAM	1	25	19.34	19.55	19.51	21	2	
10	64QAM	1	49	19.41	19.43	19.43			
10	64QAM	25	0	18.65	18.74	18.59			
10	64QAM	25	12	18.39	18.53	18.50	20	3	
10	64QAM	25	25	18.53	18.44	18.53			
10	64QAM	50	0	18.50	18.63	18.55			
10	256QAM	1	0	17.67	17.64	17.62	18	5	
10	256QAM	1	25	17.38	17.59	17.46			
10	256QAM	1	49	17.52	17.39	17.50			
10	256QAM	25	0	17.42	17.63	17.57	18	5	
10	256QAM	25	12	17.66	17.70	17.41			
10	256QAM	25	25	17.38	17.48	17.61			
10	256QAM	50	0	17.43	17.35	17.48			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	846.5			
5	QPSK	1	0	21.51	21.62	21.58	23	0	
5	QPSK	1	12	21.38	21.47	21.51			
5	QPSK	1	24	21.48	21.47	21.39			
5	QPSK	12	0	20.63	20.67	20.54	22	1	
5	QPSK	12	7	20.40	20.54	20.49			
5	QPSK	12	13	20.39	20.41	20.46			
5	QPSK	25	0	20.40	20.51	20.47	22	1	
5	16QAM	1	0	20.58	20.64	20.36			
5	16QAM	1	12	20.30	20.45	20.36			
5	16QAM	1	24	20.38	20.32	20.37	21	2	
5	16QAM	12	0	19.60	19.61	19.61			
5	16QAM	12	7	19.34	19.54	19.53			
5	16QAM	12	13	19.40	19.38	19.53	21	2	
5	16QAM	25	0	19.36	19.62	19.51			
5	64QAM	1	0	19.50	19.60	19.40			
5	64QAM	1	12	19.30	19.45	19.44	21	2	
5	64QAM	1	24	19.33	19.42	19.41			
5	64QAM	12	0	18.62	18.72	18.58			
5	64QAM	12	7	18.36	18.47	18.43	20	3	
5	64QAM	12	13	18.44	18.36	18.47			
5	64QAM	25	0	18.42	18.54	18.54			
5	256QAM	1	0	17.62	17.71	17.59	18	5	
5	256QAM	1	12	17.47	17.57	17.60			
5	256QAM	1	24	17.46	17.44	17.58			
5	256QAM	12	0	17.51	17.59	17.51	18	5	
5	256QAM	12	7	17.58	17.60	17.55			
5	256QAM	12	13	17.27	17.50	17.54			
5	256QAM	25	0	17.43	17.43	17.41			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.55	21.64	21.53	23	0	
3	QPSK	1	8	21.36	21.54	21.50			
3	QPSK	1	14	21.40	21.43	21.43			
3	QPSK	8	0	20.56	20.64	20.56	22	1	
3	QPSK	8	4	20.34	20.55	20.47			
3	QPSK	8	7	20.38	20.39	20.47			
3	QPSK	15	0	20.43	20.52	20.54	22	1	
3	16QAM	1	0	20.55	20.65	20.38			
3	16QAM	1	8	20.32	20.45	20.41			
3	16QAM	1	14	20.42	20.34	20.34	21	2	
3	16QAM	8	0	19.60	19.67	19.54			
3	16QAM	8	4	19.34	19.49	19.44			
3	16QAM	8	7	19.41	19.39	19.52	21	2	
3	16QAM	15	0	19.41	19.57	19.50			
3	64QAM	1	0	19.54	19.62	19.42			
3	64QAM	1	8	19.33	19.52	19.42	21	2	
3	64QAM	1	14	19.34	19.38	19.34			
3	64QAM	8	0	18.54	18.66	18.51			
3	64QAM	8	4	18.37	18.44	18.44	20	3	
3	64QAM	8	7	18.52	18.34	18.46			
3	64QAM	15	0	18.42	18.59	18.50			
3	256QAM	1	0	17.73	17.65	17.72	18	5	
3	256QAM	1	8	17.34	17.58	17.47			
3	256QAM	1	14	17.47	17.33	17.59			
3	256QAM	8	0	17.46	17.65	17.57	18	5	
3	256QAM	8	4	17.64	17.57	17.44			
3	256QAM	8	7	17.38	17.56	17.51			
3	256QAM	15	0	17.38	17.39	17.35			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.50	21.60	21.58	23	0	
1.4	QPSK	1	3	21.36	21.49	21.51			
1.4	QPSK	1	5	21.48	21.47	21.37			
1.4	QPSK	3	0	21.44	21.58	21.51	22	1	
1.4	QPSK	3	1	21.31	21.40	21.44			
1.4	QPSK	3	3	21.42	21.40	21.34			
1.4	QPSK	6	0	20.41	20.52	20.46	22	1	
1.4	16QAM	1	0	20.56	20.62	20.43			
1.4	16QAM	1	3	20.29	20.44	20.41			
1.4	16QAM	1	5	20.35	20.33	20.35	22	1	
1.4	16QAM	3	0	20.48	20.60	20.40			
1.4	16QAM	3	1	20.19	20.36	20.34			
1.4	16QAM	3	3	20.33	20.27	20.34	21	2	
1.4	16QAM	6	0	19.39	19.59	19.54			
1.4	64QAM	1	0	19.57	19.60	19.39			
1.4	64QAM	1	3	19.28	19.48	19.49	21	2	
1.4	64QAM	1	5	19.39	19.34	19.41			
1.4	64QAM	3	0	19.49	19.53	19.34			
1.4	64QAM	3	1	19.18	19.43	19.40	20	3	
1.4	64QAM	3	3	19.37	19.28	19.34			
1.4	64QAM	6	0	18.42	18.59	18.52			
1.4	256QAM	1	0	17.72	17.76	17.56	18	5	
1.4	256QAM	1	3	17.49	17.65	17.53			
1.4	256QAM	1	5	17.42	17.51	17.54			
1.4	256QAM	3	0	17.39	17.57	17.60	18	5	
1.4	256QAM	3	1	17.68	17.59	17.56			
1.4	256QAM	3	3	17.33	17.58	17.54			
1.4	256QAM	6	0	17.36	17.45	17.36	18	5	5

Band 7 Ant 1									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.81	17.95	17.83	18.3	0	
20	QPSK	1	49	17.66	17.78	17.64			
20	QPSK	1	99	17.74	17.85	17.71			
20	QPSK	50	0	17.69	17.88	17.87	18.3	0	
20	QPSK	50	24	17.69	17.75	17.71			
20	QPSK	50	50	17.57	17.81	17.75			
20	QPSK	100	0	17.44	17.67	17.64	18.3	0	
20	16QAM	1	0	17.66	17.85	17.70			
20	16QAM	1	49	17.61	17.77	17.69			
20	16QAM	1	99	17.68	17.79	17.73	18.3	0	
20	16QAM	50	0	17.59	17.69	17.53			
20	16QAM	50	24	17.63	17.74	17.62			
20	16QAM	50	50	17.69	17.81	17.70	18.3	0	
20	16QAM	100	0	17.66	17.72	17.54			
20	64QAM	1	0	17.35	17.45	17.33			
20	64QAM	1	49	17.41	17.52	17.32	18.3	0	
20	64QAM	1	99	17.53	17.58	17.53			
20	64QAM	50	0	17.55	17.74	17.72			
20	64QAM	50	24	17.61	17.73	17.61	18.3	0	
20	64QAM	50	50	17.75	17.88	17.83			
20	64QAM	100	0	17.62	17.71	17.55			
20	256QAM	1	0	17.50	17.56	17.45	18.3	0	
20	256QAM	1	49	17.68	17.76	17.62			
20	256QAM	1	99	17.72	17.84	17.61			
20	256QAM	50	0	17.65	17.67	17.46	18.3	0	
20	256QAM	50	24	17.32	17.32	17.26			
20	256QAM	50	50	17.43	17.44	17.38			
20	256QAM	100	0	17.54	17.54	17.50			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.66	17.82	17.74	18.3	0	
15	QPSK	1	37	17.65	17.63	17.64			
15	QPSK	1	74	17.61	17.75	17.60			
15	QPSK	36	20	17.62	17.82	17.61	18.3	0	
15	QPSK	36	20	17.57	17.72	17.67			
15	QPSK	36	39	17.43	17.64	17.61			
15	QPSK	75	0	17.30	17.65	17.57	18.3	0	
15	16QAM	1	0	17.63	17.74	17.66			
15	16QAM	1	37	17.50	17.61	17.60			
15	16QAM	1	74	17.60	17.71	17.57	18.3	0	
15	16QAM	36	0	17.56	17.68	17.51			
15	16QAM	36	20	17.57	17.73	17.55			
15	16QAM	36	39	17.55	17.77	17.60	18.3	0	
15	16QAM	75	0	17.49	17.54	17.44			
15	64QAM	1	0	17.16	17.42	17.27			
15	64QAM	1	37	17.42	17.37	17.27	18.3	0	
15	64QAM	1	74	17.37	17.56	17.38			
15	64QAM	36	0	17.53	17.60	17.72			
15	64QAM	36	20	17.45	17.72	17.61	18.3	0	
15	64QAM	36	39	17.62	17.85	17.77			
15	64QAM	75	0	17.44	17.63	17.41			
15	256QAM	1	0	17.62	17.69	17.46	18.3	0	
15	256QAM	1	37	17.61	17.70	17.53			
15	256QAM	1	74	17.75	17.70	17.58			
15	256QAM	36	0	17.61	17.65	17.43	18.3	0	
15	256QAM	36	20	17.35	17.49	17.27			
15	256QAM	36	39	17.47	17.39	17.38			
15	256QAM	75	0	17.41	17.45	17.54			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.72	17.92	17.77	18.3	0	
10	QPSK	1	25	17.67	17.62	17.53			
10	QPSK	1	49	17.63	17.85	17.55			
10	QPSK	25	0	17.50	17.71	17.84	18.3	0	
10	QPSK	25	12	17.59	17.60	17.57			
10	QPSK	25	25	17.47	17.70	17.63			
10	16QAM	50	0	17.40	17.67	17.46	18.3	0	
10	16QAM	1	0	17.49	17.82	17.56			
10	16QAM	1	25	17.55	17.59	17.58			
10	16QAM	1	49	17.69	17.69	17.67	18.3	0	
10	16QAM	25	0	17.43	17.66	17.43			
10	16QAM	25	12	17.63	17.64	17.52			
10	16QAM	25	25	17.51	17.78	17.58	18.3	0	
10	16QAM	50	0	17.58	17.69	17.43			
10	64QAM	1	0	17.22	17.42	17.16			
10	64QAM	1	25	17.34	17.45	17.28	18.3	0	
10	64QAM	1	49	17.37	17.56	17.51			
10	64QAM	25	0	17.37	17.69	17.66			
10	64QAM	25	12	17.46	17.55	17.44	18.3	0	
10	64QAM	25	25	17.74	17.85	17.69			
10	64QAM	50	0	17.63	17.60	17.52			
10	256QAM	1	0	17.60	17.70	17.51	18.3	0	
10	256QAM	1	25	17.69	17.79	17.50			
10	256QAM	1	49	17.71	17.76	17.69			
10	256QAM	25	0	17.73	17.64	17.56	18.3	0	
10	256QAM	25	12	17.29	17.43	17.29			
10	256QAM	25	25	17.43	17.55	17.29			
10	256QAM	50	0	17.52	17.56	17.51			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.69	17.91	17.82	18.3	0	
5	QPSK	1	12	17.65	17.65	17.53			
5	QPSK	1	24	17.75	17.83	17.62			
5	QPSK	12	0	17.69	17.81	17.76	18.3	0	
5	QPSK	12	7	17.54	17.73	17.54			
5	QPSK	12	13	17.46	17.71	17.67			
5	QPSK	25	0	17.40	17.54	17.47	18.3	0	
5	16QAM	1	0	17.58	17.77	17.69			
5	16QAM	1	12	17.45	17.74	17.59			
5	16QAM	1	24	17.65	17.72	17.59	18.3	0	
5	16QAM	12	0	17.54	17.66	17.44			
5	16QAM	12	7	17.49	17.64	17.56			
5	16QAM	12	13	17.52	17.67	17.67	18.3	0	
5	16QAM	25	0	17.65	17.66	17.36			
5	64QAM	1	0	17.19	17.33	17.16			
5	64QAM	1	12	17.34	17.37	17.18	18.3	0	
5	64QAM	1	24	17.49	17.42	17.53			
5	64QAM	12	0	17.37	17.69	17.60			
5	64QAM	12	7	17.45	17.69	17.62	18.3	0	
5	64QAM	12	13	17.64	17.87	17.68			
5	64QAM	25	0	17.62	17.58	17.51			
5	256QAM	1	0	17.52	17.62	17.51	18.3	0	
5	256QAM	1	12	17.68	17.67	17.63			
5	256QAM	1	24	17.66	17.75	17.60			
5	256QAM	12	0	17.61	17.68	17.42	18.3	0	
5	256QAM	12	7	17.36	17.34	17.20			
5	256QAM	12	13	17.47	17.53	17.24			
5	256QAM	25	0	17.53	17.62	17.52			

Band 38 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Middle Co. (Frac)	Power High Co. (Frac)	Turn-up time (dBm)	MPR (dB)		
Channel								MPP (dB)		
Frequency (MHz)										
20	QPSK	1	0	19.69	19.80	19.79	20.3	0		
20	QPSK	1	49	19.78	19.78	19.69				
20	QPSK	1	99	19.72	19.72	19.75				
20	QPSK	50	0	19.70	19.79	19.75				
20	QPSK	50	24	19.63	19.75	19.77	20.3	0		
20	QPSK	50	50	19.69	19.73	19.73				
20	16QAM	1	0	19.61	19.69	19.69				
20	16QAM	1	49	19.61	19.71	19.77				
20	16QAM	1	99	19.67	19.62	19.62	20.3	0		
20	16QAM	50	0	19.60	19.75	19.68				
20	16QAM	50	24	19.64	19.77	19.64				
20	16QAM	50	50	19.68	19.73	19.74				
20	16QAM	100	0	19.65	19.71	19.68	20.3	0		
20	64QAM	1	0	19.67	19.73	19.77				
20	64QAM	1	49	19.66	19.66	19.72				
20	64QAM	1	99	19.65	19.67	19.69				
20	64QAM	50	0	19.60	19.67	19.75	20.3	0		
20	64QAM	50	24	19.60	19.67	19.75				
20	64QAM	50	50	19.62	19.69	19.74				
20	64QAM	100	0	19.67	19.65	19.69				
20	256QAM	1	0	17.63	17.79	17.77	19	1.3		
20	256QAM	1	49	17.72	17.81	17.77				
20	256QAM	1	99	17.61	17.82	17.80				
20	256QAM	50	0	17.65	17.80	17.84				
20	256QAM	50	24	17.69	17.85	17.72	19	1.3		
20	256QAM	50	50	17.62	17.77	17.72				
20	256QAM	100	0	17.62	17.71	17.65				
Channel								MPP (dB)		
Frequency (MHz)										
15	QPSK	1	0	19.66	19.72	19.64	20.3	0		
15	QPSK	1	37	19.73	19.73	19.58				
15	QPSK	1	74	19.68	19.69	19.68				
15	QPSK	36	0	19.58	19.73	19.66				
15	QPSK	36	0	19.49	19.63	19.66	20.3	0		
15	QPSK	36	39	19.52	19.62	19.57				
15	QPSK	75	0	19.56	19.62	19.58				
15	QPSK	36	0	19.56	19.66	19.65				
15	16QAM	1	37	19.51	19.66	19.64	20.3	0		
15	16QAM	1	74	19.56	19.68	19.73				
15	16QAM	36	0	19.48	19.65	19.63				
15	16QAM	36	39	19.44	19.61	19.61				
15	16QAM	75	0	19.55	19.62	19.64	20.3	0		
15	16QAM	36	0	19.53	19.63	19.63				
15	16QAM	36	39	19.44	19.61	19.61				
15	16QAM	75	0	19.55	19.62	19.64				
15	64QAM	1	37	19.57	19.61	19.63	20.3	0		
15	64QAM	1	74	19.54	19.59	19.58				
15	64QAM	36	0	19.48	19.66	19.66				
15	64QAM	36	20	19.49	19.62	19.65				
15	64QAM	36	39	19.48	19.63	19.69	20.3	0		
15	64QAM	75	0	19.56	19.62	19.61				
15	256QAM	1	0	17.48	17.71	17.72				
15	256QAM	1	37	17.60	17.72	17.71				
15	256QAM	1	74	17.55	17.68	17.71	19	1.3		
15	256QAM	36	0	17.56	17.49	17.64				
15	256QAM	36	39	17.54	17.53	17.62				
15	256QAM	36	39	17.49	17.70	17.61				
15	256QAM	75	0	17.54	17.67	17.62	19	1.3		
Channel									Turn-up time (dBm)	MPR (dB)
Frequency (MHz)										
10	QPSK	1	0	19.54	19.69	19.69			20.3	0
10	QPSK	1	49	19.58	19.57	19.61				
10	QPSK	25	0	19.61	19.75	19.61				
10	QPSK	25	12	19.50	19.71	19.70				
10	QPSK	25	25	19.52	19.66	19.68	20.3	0		
10	QPSK	50	0	19.65	19.62	19.67				
10	16QAM	1	0	19.54	19.54	19.59				
10	16QAM	1	25	19.64	19.60	19.73				
10	16QAM	1	49	19.62	19.58	19.75	20.3	0		
10	16QAM	25	0	19.53	19.67	19.59				
10	16QAM	25	12	19.53	19.63	19.63				
10	16QAM	25	25	19.54	19.65	19.60				
10	16QAM	50	0	19.57	19.60	19.57	20.3	0		
10	16QAM	1	0	19.53	19.70	19.72				
10	16QAM	1	25	19.58	19.59	19.61				
10	16QAM	1	49	19.51	19.57	19.65				
10	16QAM	25	0	19.52	19.55	19.71	20.3	0		
10	16QAM	25	12	19.56	19.58	19.63				
10	16QAM	25	25	19.50	19.56	19.71				
10	16QAM	50	0	19.56	19.62	19.64				
10	256QAM	1	0	17.57	17.64	17.71	19	1.3		
10	256QAM	1	25	17.58	17.73	17.68				
10	256QAM	1	49	17.49	17.77	17.70				
10	256QAM	25	0	17.49	17.68	17.66				
10	256QAM	25	12	17.64	17.57	17.60	19	1.3		
10	256QAM	25	25	17.55	17.64	17.69				
10	256QAM	50	0	17.62	17.65	17.68				
Channel								MPP (dB)		
Frequency (MHz)										
5	QPSK	1	0	19.59	19.68	19.65	20.3	0		
5	QPSK	1	12	19.70	19.73	19.64				
5	QPSK	1	24	19.64	19.60	19.71				
5	QPSK	12	0	19.66	19.75	19.64				
5	QPSK	12	7	19.53	19.66	19.67	20.3	0		
5	QPSK	12	13	19.45	19.69	19.63				
5	QPSK	25	0	19.58	19.70	19.67				
5	16QAM	1	0	19.53	19.61	19.58				
5	16QAM	1	12	19.46	19.62	19.74	20.3	0		
5	16QAM	1	24	19.63	19.53	19.70				
5	16QAM	12	0	19.48	19.70	19.55				
5	16QAM	12	7	19.51	19.71	19.59				
5	16QAM	12	13	19.43	19.58	19.73	20.3	0		
5	16QAM	25	0	19.50	19.63	19.57				
5	16QAM	25	0	19.43	19.68	19.63				
5	16QAM	25	12	19.51	19.59	19.57				
5	64QAM	1	24	19.58	19.59	19.59	20.3	0		
5	64QAM	12	0	19.62	19.61	19.62				
5	64QAM	12	7	19.50	19.62	19.67				
5	64QAM	12	13	19.51	19.64	19.68				
5	256QAM	1	0	17.55	17.72	17.65	19	1.3		
5	256QAM	1	12	17.68	17.67	17.74				
5	256QAM	1	24	17.51	17.70	17.66				
5	256QAM	12	0	17.67	17.62	17.61				
5	256QAM	12	7	17.63	17.54	17.61	19	1.3		
5	256QAM	12	13	17.52	17.65	17.59				
5	256QAM	25	0	17.64	17.63	17.64				

Band 42 Part27Q Ant 2									
BW [MHz]	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	17.01	17.09	16.97			
20	QPSK	1	49	17.03	17.05	16.86	18.2	0	
20	QPSK	1	99	16.98	16.98	16.87			
20	QPSK	50	0	16.97	17.04	16.95			
20	QPSK	50	24	16.91	16.95	16.75	18.2	0	
20	QPSK	50	50	17.01	16.89	16.87			
20	QPSK	100	0	16.92	16.99	16.93			
20	16QAM	1	0	16.83	16.84	16.76	18.2	0	
20	16QAM	1	49	16.71	16.79	16.51			
20	16QAM	1	99	16.79	16.71	16.71			
20	16QAM	50	0	16.76	16.75	16.84	18.2	0	
20	16QAM	50	24	16.89	16.88	16.82			
20	16QAM	50	50	16.73	16.86	16.49			
20	16QAM	100	0	16.88	16.79	16.67	18.2	0	
20	64QAM	1	0	16.86	16.79	16.74			
20	64QAM	1	49	16.72	16.83	16.82			
20	64QAM	1	99	16.75	16.81	16.52	18.2	0	
20	64QAM	50	0	16.90	16.83	16.77			
20	64QAM	50	24	16.74	16.74	16.81			
20	64QAM	50	50	16.72	16.84	16.76	18.2	0	
20	64QAM	100	0	16.75	16.78	16.63			
20	256QAM	1	0	16.82	16.82	16.79			
20	256QAM	1	49	16.70	16.92	16.77	18.2	0	
20	256QAM	1	99	16.78	16.84	16.87			
20	256QAM	50	0	16.65	16.88	16.61			
20	256QAM	50	24	16.90	16.80	16.61	18.2	0	
20	256QAM	50	50	16.67	16.89	16.76			
20	256QAM	100	0	16.89	16.93	16.75			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	16.57	16.77	16.65			
15	QPSK	1	37	16.58	16.57	16.35	18.2	0	
15	QPSK	1	74	16.71	16.56	16.45			
15	QPSK	36	0	16.57	16.52	16.72			
15	QPSK	36	20	16.65	16.66	16.70	18.2	0	
15	QPSK	36	39	16.48	16.66	16.41			
15	QPSK	75	0	16.81	16.56	16.42			
15	16QAM	1	0	16.66	16.71	16.60	18.2	0	
15	16QAM	1	37	16.61	16.77	16.70			
15	16QAM	1	74	16.62	16.69	16.29			
15	16QAM	36	0	16.83	16.60	16.61	18.2	0	
15	16QAM	36	20	16.62	16.53	16.59			
15	16QAM	36	39	16.50	16.75	16.59			
15	16QAM	75	0	16.51	16.58	16.45	18.2	0	
15	64QAM	1	0	16.62	16.69	16.56			
15	64QAM	1	37	16.51	16.85	16.59			
15	64QAM	1	74	16.70	16.68	16.80	18.2	0	
15	64QAM	36	0	16.44	16.63	16.43			
15	64QAM	36	20	16.83	16.55	16.48			
15	64QAM	36	39	16.50	16.64	16.61	18.2	0	
15	64QAM	75	0	16.79	16.78	16.56			
15	256QAM	1	0	16.67	16.69	16.56			
15	256QAM	1	37	16.63	16.56	16.30	18.2	0	
15	256QAM	1	74	16.63	16.49	16.55			
15	256QAM	36	0	16.67	16.68	16.62			
15	256QAM	36	20	16.76	16.71	16.69	18.2	0	
15	256QAM	36	39	16.61	16.74	16.37			
15	256QAM	75	0	16.76	16.72	16.60			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	16.68	16.62	16.68			
10	QPSK	1	25	16.51	16.59	16.30	18.2	0	
10	QPSK	1	49	16.64	16.53	16.57			
10	QPSK	25	0	16.63	16.59	16.76			
10	QPSK	25	12	16.60	16.71	16.64	18.2	0	
10	QPSK	25	25	16.66	16.77	16.68			
10	QPSK	50	0	16.77	16.55	16.56			
10	16QAM	1	0	16.69	16.62	16.49	18.2	0	
10	16QAM	1	25	16.48	16.62	16.74			
10	16QAM	1	49	16.62	16.67	16.31			
10	16QAM	25	0	16.74	16.59	16.62	18.2	0	
10	16QAM	25	12	16.53	16.60	16.69			
10	16QAM	25	25	16.54	16.70	16.69			
10	16QAM	50	0	16.50	16.70	16.45	18.2	0	
10	64QAM	1	0	16.58	16.67	16.70			
10	64QAM	1	25	16.57	16.77	16.60			
10	64QAM	1	49	16.57	16.66	16.76	18.2	0	
10	64QAM	25	0	16.45	16.80	16.54			
10	64QAM	25	12	16.75	16.64	16.53			
10	64QAM	25	25	16.49	16.78	16.64	18.2	0	
10	64QAM	50	0	16.75	16.68	16.63			
10	256QAM	1	0	16.58	16.74	16.57			
10	256QAM	1	25	16.47	16.59	16.28	18.2	0	
10	256QAM	1	49	16.55	16.47	16.63			
10	256QAM	25	0	16.50	16.52	16.63			
10	256QAM	25	12	16.74	16.67	16.63	18.2	0	
10	256QAM	25	25	16.53	16.69	16.29			
10	256QAM	50	0	16.77	16.67	16.49			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3492.5	3500	3547.5			
5	QPSK	1	0	16.63	16.66	16.55			
5	QPSK	1	12	16.45	16.62	16.39	18.2	0	
5	QPSK	1	24	16.56	16.51	16.57			
5	QPSK	12	0	16.52	16.51	16.67			
5	QPSK	12	7	16.79	16.76	16.68	18.2	0	
5	QPSK	12	13	16.57	16.66	16.42			
5	QPSK	25	0	16.63	16.68	16.54			
5	16QAM	1	0	16.67	16.56	16.53	18.2	0	
5	16QAM	1	12	16.48	16.60	16.67			
5	16QAM	1	24	16.56	16.57	16.30			
5	16QAM	12	0	16.73	16.73	16.69	18.2	0	
5	16QAM	12	7	16.50	16.54	16.71			
5	16QAM	12	13	16.56	16.77	16.59			
5	16QAM	25	0	16.61	16.64	16.48	18.2	0	
5	64QAM	1	0	16.63	16.61	16.54			
5	64QAM	1	12	16.59	16.80	16.55			
5	64QAM	1	24	16.53	16.69	16.71	18.2	0	
5	64QAM	12	0	16.41	16.73	16.39			
5	64QAM	12	7	16.81	16.60	16.45			
5	64QAM	12	13	16.49	16.76	16.66	18.2	0	
5	64QAM	25	0	16.69	16.75	16.50			
5	256QAM	1	0	16.60	16.75	16.64			
5	256QAM	1	12	16.53	16.59	16.31	18.2	0	
5	256QAM	1	24	16.54	16.54	16.64			
5	256QAM	12	0	16.51	16.52	16.68			
5	256QAM	12	7	16.71	16.72	16.57	18.2	0	
5	256QAM	12	13	16.67	16.76	16.29			
5	256QAM	25	0	16.70	16.73	16.55			

Band 7 Ant 5									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.23	22.28	22.25	24	0	
20	QPSK	1	49	22.16	22.21	22.20			
20	QPSK	1	99	22.12	22.15	22.17			
20	QPSK	50	0	21.19	21.30	21.22	23	1	
20	QPSK	50	24	21.14	21.16	21.19			
20	QPSK	50	50	21.07	21.14	21.13			
20	QPSK	100	0	21.16	21.17	21.15	23	1	
20	16QAM	1	0	21.11	21.16	21.10			
20	16QAM	1	49	21.02	21.05	21.08			
20	16QAM	1	99	21.03	21.05	21.09	22	2	
20	16QAM	50	0	20.22	20.32	20.23			
20	16QAM	50	24	20.13	20.11	20.20			
20	16QAM	50	50	20.04	20.15	20.12	22	2	
20	16QAM	100	0	20.11	20.19	20.15			
20	64QAM	1	0	20.14	20.11	20.11			
20	64QAM	1	49	20.01	20.03	20.12	22	2	
20	64QAM	1	99	20.10	20.08	20.13			
20	64QAM	50	0	19.18	19.27	19.21			
20	64QAM	50	24	19.12	19.18	19.24	21	3	
20	64QAM	50	50	19.02	19.10	19.11			
20	64QAM	100	0	19.19	19.18	19.14			
20	256QAM	1	0	17.21	17.28	17.16	19	5	
20	256QAM	1	49	17.03	17.04	17.28			
20	256QAM	1	99	17.10	17.15	17.05			
20	256QAM	50	0	17.20	17.12	17.10	19	5	
20	256QAM	50	24	17.13	17.15	17.03			
20	256QAM	50	50	17.05	17.11	17.20			
20	256QAM	100	0	17.13	17.04	17.15			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.13	22.19	22.14	24	0	
15	QPSK	1	37	22.06	22.11	22.13			
15	QPSK	1	74	22.10	22.03	22.09			
15	QPSK	36	0	21.06	21.21	21.09	23	1	
15	QPSK	36	20	21.10	21.11	21.14			
15	QPSK	36	39	21.06	21.04	21.08			
15	QPSK	75	0	21.04	21.11	21.09	23	1	
15	16QAM	1	0	21.01	21.05	21.07			
15	16QAM	1	37	21.13	21.08	21.06			
15	16QAM	1	74	21.18	21.05	21.04	22	2	
15	16QAM	36	0	20.17	20.20	20.13			
15	16QAM	36	20	20.11	20.03	20.08			
15	16QAM	36	39	20.10	20.11	20.01	22	2	
15	16QAM	75	0	20.01	20.12	20.02			
15	64QAM	1	0	20.04	20.04	20.03			
15	64QAM	1	37	20.07	20.12	20.03	21	3	
15	64QAM	1	74	20.06	20.03	20.10			
15	64QAM	36	0	19.09	19.16	19.09			
15	64QAM	36	20	19.02	19.06	19.20	19	5	
15	64QAM	36	39	19.12	19.02	19.03			
15	64QAM	75	0	19.06	19.14	19.02			
15	256QAM	1	0	17.22	17.28	17.26	19	5	
15	256QAM	1	37	17.19	17.17	17.17			
15	256QAM	1	74	17.01	17.14	17.08			
15	256QAM	36	0	17.08	17.29	17.07	19	5	
15	256QAM	36	20	17.07	17.01	17.08			
15	256QAM	36	39	17.05	17.09	17.03			
15	256QAM	75	0	17.11	17.14	17.06			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.11	22.23	22.11	24	0	
10	QPSK	1	25	22.15	22.18	22.14			
10	QPSK	1	49	22.11	22.04	22.16			
10	QPSK	25	0	21.18	21.33	21.13	23	1	
10	QPSK	25	12	21.15	21.07	21.06			
10	QPSK	25	25	21.06	21.06	21.10			
10	QPSK	50	0	21.16	21.13	21.14	23	1	
10	16QAM	1	0	21.15	21.19	21.15			
10	16QAM	1	25	21.03	21.14	21.11			
10	16QAM	1	49	21.04	21.10	21.11	22	2	
10	16QAM	25	0	20.19	20.35	20.15			
10	16QAM	25	12	20.11	20.03	20.13			
10	16QAM	25	25	20.06	20.18	20.17	22	2	
10	16QAM	50	0	20.11	20.13	20.09			
10	64QAM	1	0	20.06	20.14	20.12			
10	64QAM	1	25	20.07	20.07	20.01	21	3	
10	64QAM	1	49	20.15	20.11	20.04			
10	64QAM	25	0	19.03	19.26	19.12			
10	64QAM	25	12	19.15	19.21	19.21	19	5	
10	64QAM	25	25	19.07	19.10	19.08			
10	64QAM	50	0	19.14	19.15	19.04			
10	256QAM	1	0	17.29	17.34	17.23	19	5	
10	256QAM	1	25	17.09	17.06	17.20			
10	256QAM	1	49	17.15	17.25	17.11			
10	256QAM	25	0	17.11	17.26	17.08	19	5	
10	256QAM	25	12	17.17	17.18	17.04			
10	256QAM	25	25	17.10	17.00	17.15			
10	256QAM	50	0	17.19	17.17	17.12			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.11	22.25	22.11	24	0	
5	QPSK	1	12	22.01	22.13	22.16			
5	QPSK	1	24	22.15	22.18	22.20			
5	QPSK	12	0	21.15	21.23	21.22	23	1	
5	QPSK	12	7	21.17	21.17	21.21			
5	QPSK	12	13	21.11	21.03	21.10			
5	QPSK	25	0	21.02	21.21	21.12	23	1	
5	16QAM	1	0	21.12	21.14	21.03			
5	16QAM	1	12	21.07	21.03	21.05			
5	16QAM	1	24	21.05	21.10	21.14	22	2	
5	16QAM	12	0	20.16	20.19	20.28			
5	16QAM	12	7	20.12	20.07	20.22			
5	16QAM	12	13	20.10	20.01	20.09	22	2	
5	16QAM	25	0	20.11	20.18	20.01			
5	64QAM	1	0	20.04	20.12	20.14			
5	64QAM	1	12	20.11	20.10	20.14	21	3	
5	64QAM	1	24	20.13	20.17	20.15			
5	64QAM	12	0	19.16	19.22	19.06			
5	64QAM	12	7	19.16	19.10	19.14	19	5	
5	64QAM	12	13	19.07	19.01	19.12			
5	64QAM	25	0	19.11	19.04	19.12			
5	256QAM	1	0	17.12	17.34	17.16	19	5	
5	256QAM	1	12	17.16	17.07	17.21			
5	256QAM	1	24	17.07	17.09	17.17			
5	256QAM	12	0	17.16	17.14	17.17	19	5	
5	256QAM	12	7	17.04	17.18	17.04			
5	256QAM	12	13	17.05	17.02	17.10			
5	256QAM	25	0	17.12	17.11	17.10			

Reduced Power Mode for DSI2 Simultaneous

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)								
GSM 1 Tx slot	32.26	32.30	32.22	33.50	23.26	23.30	23.22	24.50
GPRS 1 Tx slot	32.17	32.25	32.18	33.50	23.17	23.25	23.18	24.50
GPRS 2 Tx slots	30.71	30.81	30.74	32.00	24.71	24.81	24.74	25.00
GPRS 3 Tx slots	28.65	28.79	28.67	30.00	24.39	24.53	24.41	25.74
GPRS 4 Tx slots	26.57	26.69	26.59	27.50	23.57	23.69	23.59	24.50
EDGE 1 Tx slot	25.79	25.83	25.79	27.00	16.79	16.83	16.79	18.00
EDGE 2 Tx slots	24.85	24.94	24.88	26.00	18.85	18.94	18.88	20.00
EDGE 3 Tx slots	22.73	22.88	22.78	24.00	18.47	18.62	18.52	19.74
EDGE 4 Tx slots	20.70	20.79	20.73	22.00	17.70	17.79	17.73	19.00

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1853.2	1880	1909.8		1853.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	29.71	29.75	29.64	30.50	20.71	20.75	20.64	21.50
GPRS 1 Tx slot	29.65	29.70	29.58	30.50	20.65	20.70	20.58	21.50
GPRS 2 Tx slots	28.11	28.20	28.14	29.50	22.11	22.20	22.14	23.50
GPRS 3 Tx slots	26.08	26.17	26.09	27.50	21.82	21.91	21.83	23.24
GPRS 4 Tx slots	24.11	24.18	24.07	25.00	21.11	21.18	21.07	22.00
EDGE 1 Tx slot	25.55	25.58	25.48	27.00	16.55	16.58	16.48	18.00
EDGE 2 Tx slots	24.19	24.24	24.18	25.50	18.19	18.24	18.18	19.50
EDGE 3 Tx slots	22.00	22.13	22.10	23.50	17.74	17.87	17.84	19.24
EDGE 4 Tx slots	20.16	20.29	20.23	21.50	17.16	17.29	17.23	18.50

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel Rx Channel	9262 9662	9400 9800	9538 9938		4132 4357	4182 4407	4233 4458	
Frequency (MHz)	1852.4	1880	1907.6	826.4	836.4	846.6	856.6	
3GPP Rel 99	AMR 12.2Kbps	22.55	22.58	22.49	24.00	22.54	22.67	22.53
3GPP Rel 99	RMC 12.2Kbps	22.61	22.65	22.57	24.00	22.61	22.78	22.66
3GPP Rel 6	HSDPA Subtest-1	21.65	21.59	21.36	23.00	21.43	21.72	21.55
3GPP Rel 6	HSDPA Subtest-2	21.73	21.75	21.63	23.00	21.67	21.90	21.77
3GPP Rel 6	HSDPA Subtest-3	21.02	20.99	21.08	22.50	20.99	21.26	21.14
3GPP Rel 6	HSDPA Subtest-4	21.13	21.05	21.18	22.50	21.07	21.26	21.18
3GPP Rel 6	HSUPA Subtest-1	22.46	22.52	22.50	24.00	22.55	22.71	22.61
3GPP Rel 6	HSUPA Subtest-2	20.72	20.66	20.54	22.00	20.64	20.88	20.76
3GPP Rel 6	HSUPA Subtest-3	21.62	21.73	21.52	23.00	21.49	21.66	21.63
3GPP Rel 6	HSUPA Subtest-4	20.71	20.48	20.54	22.00	20.64	20.84	20.59
3GPP Rel 6	HSUPA Subtest-5	22.44	22.37	22.29	24.00	22.50	22.70	22.57
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.18	20.24	20.05	21.50	20.23	20.28	20.20

Band 2 Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.14	22.18	22.16	24	0						
20	QPSK	1	49	22.10	22.12	22.08								
20	QPSK	1	99	22.09	22.11	22.07								
20	QPSK	50	0	21.17	21.26	21.24								
20	QPSK	50	24	21.08	21.08	21.18	23	1						
20	QPSK	50	50	21.16	21.16	21.10								
20	QPSK	100	0	21.19	21.21	21.15								
20	16QAM	50	0	21.05	21.10	21.05								
20	16QAM	1	99	21.03	21.10	21.05	23	1						
20	16QAM	1	0	21.06	21.07	21.06								
20	16QAM	50	24	20.14	20.27	20.20								
20	16QAM	50	50	20.20	20.12	20.10								
20	16QAM	100	0	20.05	20.36	20.17	22	2						
20	64QAM	1	0	20.17	20.14	20.11								
20	64QAM	1	49	20.11	20.10	20.06								
20	64QAM	50	24	19.15	19.09	19.11								
20	64QAM	50	50	19.22	19.20	19.09	21	3						
20	256QAM	1	0	17.11	17.27	17.21								
20	256QAM	1	49	17.24	17.15	17.15								
20	256QAM	1	99	17.22	17.16	17.04								
20	256QAM	50	0	17.05	17.42	17.17	19	5						
20	256QAM	50	24	17.25	17.21	17.08								
20	256QAM	50	50	17.17	17.08	17.14								
20	256QAM	100	0	17.19	17.06	17.05								
Channel														
Frequency (MHz)														
18	QPSK	1	0	22.17	22.18	22.16	24	0						
18	QPSK	1	31	22.14	22.14	22.12								
18	QPSK	1	74	22.10	22.11	22.08								
18	QPSK	36	0	21.08	21.11	21.18								
18	QPSK	36	24	21.10	21.08	21.19	23	1						
18	QPSK	36	39	21.12	21.19	21.09								
18	QPSK	75	0	21.05	21.08	21.09								
18	16QAM	1	0	21.08	21.09	21.20								
18	16QAM	1	37	21.10	21.13	21.09	23	1						
18	16QAM	1	74	21.11	21.27	21.11								
18	16QAM	36	0	20.06	20.34	20.11								
18	16QAM	36	20	20.18	20.19	20.17								
18	16QAM	36	39	20.12	20.08	20.10	22	2						
18	16QAM	75	0	20.08	20.38	20.20								
18	64QAM	1	0	20.14	20.19	20.09								
18	64QAM	1	31	20.11	20.09	20.09								
18	64QAM	1	74	20.13	20.10	20.05	21	3						
18	64QAM	36	0	19.28	19.13	19.15								
18	64QAM	36	39	19.11	19.07	19.08								
18	64QAM	36	39	19.05	19.05	19.05								
18	64QAM	75	0	19.33	19.41	19.17	19	5						
18	256QAM	1	0	17.18	17.10	17.04								
18	256QAM	1	37	17.27	17.19	17.19								
18	256QAM	1	74	17.08	17.21	17.20								
18	256QAM	36	0	17.21	17.25	17.25	19	5						
18	256QAM	36	20	17.24	17.25	17.15								
18	256QAM	36	39	17.10	17.20	17.17								
18	256QAM	75	0	17.08	17.20	17.06								
Channel														
Frequency (MHz)														
18	QPSK	1	0	22.07	22.08	22.07	24	0						
18	QPSK	1	25	22.09	22.08	22.03								
18	QPSK	1	49	22.02	22.15	22.02								
18	QPSK	36	0	21.18	21.16	21.09								
18	QPSK	25	12	21.12	21.20	21.03	23	1						
18	QPSK	25	25	21.15	21.18	21.06								
18	QPSK	50	0	21.06	21.10	21.13								
18	16QAM	1	0	21.06	21.21	21.09								
18	16QAM	1	28	21.08	21.08	21.04	23	1						
18	16QAM	1	49	21.07	21.08	21.01								
18	16QAM	25	0	20.03	20.24	20.30								
18	16QAM	25	12	20.17	20.11	20.12								
18	16QAM	36	0	20.14	20.08	20.08	22	2						
18	16QAM	50	0	20.22	20.27	20.20								
18	64QAM	1	0	20.10	20.17	20.15								
18	64QAM	1	24	20.13	20.09	20.09								
18	64QAM	1	49	20.02	20.05	20.04	21	3						
18	64QAM	25	0	19.16	19.15	19.15								
18	64QAM	25	12	19.07	19.05	19.05								
18	64QAM	25	25	19.28	19.24	19.12								
18	64QAM	50	0	19.03	19.31	19.11	19	5						
18	256QAM	1	0	17.08	17.10	17.08								
18	256QAM	1	28	17.28	17.07	17.14								
18	256QAM	1	49	17.16	17.19	17.05								
18	256QAM	25	0	17.30	17.42	17.15	19	5						
18	256QAM	25	12	17.27	17.25	17.07								
18	256QAM	25	25	17.19	17.13	17.08								
18	256QAM	50	0	17.10	17.01	17.00								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.09	22.08	22.07	24	0						
5	QPSK	1	22	22.05	22.11	22.07								
5	QPSK	1	49	22.02	22.04	22.10								
5	QPSK	12	0	21.15	21.22	21.19								
5	QPSK	12	7	21.04	21.04	21.19	23	1						
5	QPSK	12	13	21.10	21.19	21.05								
5	QPSK	25	0	21.08	21.15	21.08								
5	16QAM	1	0	21.05	21.17	21.30								
5	16QAM	1	12	21.11	21.05	21.03	23	1						
5	16QAM	1	24	21.01	21.08	21.08								
5	16QAM	12	0	20.16	20.18	20.18								
5	16QAM	12	7	20.20	20.01	20.15								
5	16QAM	12	13	20.16	20.14	20.17	22	2						
5	16QAM	25	0	20.07	20.26	20.08								
5	64QAM	1	0	20.10	20.03	20.04								
5	64QAM	1	24	20.04	20.14	20.09								
5	64QAM	12	0	19.25	19.19	19.22	21	3						
5	64QAM	12	7	19.09	19.10	19.08								
5	64QAM	12	13	19.26	19.18	19.02								
5	64QAM	25	0	19.10	19.23	19.22								
5	256QAM	1	0	17.12	17.28	17.08	19	5						
5	256QAM	1	12	17.21	17.10	17.10								
5	256QAM	1	24	17.18	17.09	17.02								
5	256QAM	12	0	17.22	17.46	17.09								
5	256QAM	12	7	17.16	17.21	17.10	19	5						
5	256QAM	12	13	17.18	17.21	17.10								
5	256QAM	25	0	17.11	17.05	17.10								
5	256QAM	25	7	17.07	17.11	17.12								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.09	22.15	22.14	24	0						
3	QPSK	1	8	22.13	22.12	22.09								
3	QPSK	1	22	22.02	22.10	22.07								
3	QPSK	8	0	21.08	21.08	21.22								
3	QPSK	8	4	21.09	21.09	21.14	23	1						
3	QPSK	8	12	21.10	21.10	21.14								
3	QPSK	16	0	21.18	21.11	21.03								
3	QPSK	1	0	21.02	21.09	21.11								
3	QPSK	1	8	21.07	21.18	21.11	23	1						
3	QPSK	8	0	20.15	20.27	20.20								
3	QPSK	8	4	20.16	20.19	20.17								
3	QPSK	8	12	20.17	20.15	20.17								
3	QPSK	1	14	21.11	21.19	21.07	22	2						
3	QPSK	8	0	20.07	20.42	20.08								
3	QPSK	8	4	20.12	20.15	20.15								
3	QPSK	8	12	20.17	20.15	20.17								
3	QPSK	8	7	20.14	20.10	20.13	22	2						
3	QPSK	8	14	20.11	20.10	20.10								
3	QPSK	8	21	20.11	20.10	20.07								
3	QPSK	1	8	20.20	20.10	20.17								
3	QPSK	8	0	19.10	19.26	19.10	21	3						
3	QPSK	8	4	19.23	19.22	19.15								
3	QPSK	8	14	19.14	19.04	19.18								
3	QPSK	8	21	19.08	19.11	19.06								
3	QPSK	16	0	19.21	19.35	19.03	19	5						
3	256QAM	1	0	17.16	17.28	17.19								
3	256QAM	1	14	17.24	17.14	17.17								
3	256QAM	1	14	17.16	17.02	17.11								
3	256QAM	8	0	17.30	17.43	17.17	19	5						
3	256QAM	8	7	17.07	17.01	17.01								
3	256QAM	8	7	17.07	17.08	17.17								
3	256QAM	15	0	17.17	17.10	17.07								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.09	22.05	22.09	24	0						
1.4	QPSK	1	22	22.13	22.13	22.11								
1.4	QPSK	1	49	22.02	22.10	22.07								
1.4	QPSK	1	0	22.08	22.10	22.10								
1.4	QPSK	1	0	22.05	22.11	22.11	23	1						
1.4	QPSK	1	0	22.12	22.03	22.06								
1.4	QPSK	1	0	22.15	22.11	21.06								
1.4	QPSK	1	0	21.02	21.17	21.08								
1.4	QPSK	1	0	21.01	21.12	21.11	23	1						
1.4	QPSK	1	0	21.07	21.14	21.08								
1.4	QPSK	1	0	21.02	21.11	21.17								
1.4	QPSK	3	0	21.06	21.12	21.01								
1.4	QPSK	3	0	20.29	20.29	20.29	22	2						
1.4	QPSK	3	0	20.29	20.29	20.29								
1.4	QPSK	3	0	20.29	20.13	20.23								
1.4	QPSK	3	0	20.09	20.13	20.23								
1.4	QPSK	3	0	20.09	20.13	20.23	22	2						
1.4	QPSK	3	0	20.09	20.13	20.23								
1.4	QPSK	3	0	20.25	20.12	20.14								
1.4	QPSK	3	0	19.15	19.08	19.14								
1.4	QPSK	3	0	17.15	17.15	17.15	19	5						
1.4	QPSK	3	0	17.23	17.22	17.08								
1.4	QPSK	3	0	17.08	17.08	17.02								
1.4	QPSK	3	0	17.45	17.08	17.02								
1.4	QPSK	3	0	17.29	17.15	17.03	19	5						
1.4	QPSK	3	0	17.19	17.02	17.04								
1.4	QPSK	3	0	17.19	17.02	17.04								
1.4	QPSK	3	0	17.19	17.02	17.04								

Band 5 Ant 1										
BW [MHz]	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)				829	836.5	844				
10	QPSK	1	0	21.60	21.69	21.63	23	0		
10	QPSK	1	25	21.42	21.58	21.52				
10	QPSK	1	49	21.50	21.49	21.48				
10	QPSK	25	0	20.65	20.71	20.60	22	1		
10	QPSK	25	12	20.42	20.56	20.53				
10	QPSK	25	25	20.48	20.47	20.50				
10	QPSK	50	0	20.45	20.61	20.56	22	1		
10	16QAM	1	0	20.61	20.66	20.47				
10	16QAM	1	25	20.33	20.51	20.46				
10	16QAM	1	49	20.43	20.38	20.38	21	2		
10	16QAM	25	0	19.65	19.69	19.63				
10	16QAM	25	12	19.43	19.56	19.55				
10	16QAM	25	25	19.48	19.42	19.54	21	2		
10	16QAM	50	0	19.45	19.65	19.60				
10	64QAM	1	0	19.59	19.65	19.50				
10	64QAM	1	25	19.34	19.55	19.51	21	2		
10	64QAM	1	49	19.41	19.43	19.43				
10	64QAM	25	0	18.65	18.74	18.59				
10	64QAM	25	12	18.39	18.53	18.50	20	3		
10	64QAM	25	25	18.53	18.44	18.53				
10	64QAM	50	0	18.50	18.63	18.55				
10	256QAM	1	0	17.67	17.64	17.62	18	5		
10	256QAM	1	25	17.38	17.59	17.46				
10	256QAM	1	49	17.52	17.39	17.50				
10	256QAM	25	0	17.42	17.63	17.57	18	5		
10	256QAM	25	12	17.66	17.70	17.41				
10	256QAM	25	25	17.38	17.48	17.61				
10	256QAM	50	0	17.43	17.35	17.48				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.51	21.62	21.58	23	0		
5	QPSK	1	12	21.38	21.47	21.51				
5	QPSK	1	24	21.48	21.47	21.39				
5	QPSK	12	0	20.63	20.67	20.54	22	1		
5	QPSK	12	7	20.40	20.54	20.49				
5	QPSK	12	13	20.39	20.41	20.46				
5	QPSK	25	0	20.40	20.51	20.47	22	1		
5	16QAM	1	0	20.58	20.64	20.36				
5	16QAM	1	12	20.30	20.45	20.36				
5	16QAM	1	24	20.38	20.32	20.37	21	2		
5	16QAM	12	0	19.60	19.61	19.61				
5	16QAM	12	7	19.34	19.54	19.53				
5	16QAM	12	13	19.40	19.38	19.53	21	2		
5	16QAM	25	0	19.36	19.62	19.51				
5	64QAM	1	0	19.50	19.60	19.40				
5	64QAM	1	12	19.30	19.45	19.44	21	2		
5	64QAM	1	24	19.33	19.42	19.41				
5	64QAM	12	0	18.62	18.72	18.58				
5	64QAM	12	7	18.36	18.47	18.43	20	3		
5	64QAM	12	13	18.44	18.36	18.47				
5	64QAM	25	0	18.42	18.54	18.54				
5	256QAM	1	0	17.62	17.71	17.59	18	5		
5	256QAM	1	12	17.47	17.57	17.60				
5	256QAM	1	24	17.46	17.44	17.58				
5	256QAM	12	0	17.51	17.59	17.51	18	5		
5	256QAM	12	7	17.58	17.60	17.55				
5	256QAM	12	13	17.27	17.50	17.54				
5	256QAM	25	0	17.43	17.43	17.41				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.55	21.64	21.53	23	0		
3	QPSK	1	8	21.36	21.54	21.50				
3	QPSK	1	14	21.40	21.43	21.43				
3	QPSK	8	0	20.56	20.64	20.56	22	1		
3	QPSK	8	4	20.34	20.55	20.47				
3	QPSK	8	7	20.38	20.39	20.47				
3	QPSK	15	0	20.43	20.52	20.54	22	1		
3	16QAM	1	0	20.55	20.65	20.38				
3	16QAM	1	8	20.32	20.45	20.41				
3	16QAM	1	14	20.42	20.34	20.34	21	2		
3	16QAM	8	0	19.60	19.67	19.54				
3	16QAM	8	4	19.34	19.49	19.44				
3	16QAM	8	7	19.41	19.39	19.52	21	2		
3	16QAM	15	0	19.41	19.57	19.50				
3	64QAM	1	0	19.54	19.62	19.42				
3	64QAM	1	8	19.33	19.52	19.42	21	2		
3	64QAM	1	14	19.34	19.38	19.34				
3	64QAM	8	0	18.54	18.66	18.51				
3	64QAM	8	4	18.37	18.44	18.44	20	3		
3	64QAM	8	7	18.52	18.34	18.46				
3	64QAM	15	0	18.42	18.59	18.50				
3	256QAM	1	0	17.73	17.65	17.72	18	5		
3	256QAM	1	8	17.34	17.58	17.47				
3	256QAM	1	14	17.47	17.33	17.59				
3	256QAM	8	0	17.46	17.65	17.57	18	5		
3	256QAM	8	4	17.64	17.57	17.44				
3	256QAM	8	7	17.38	17.56	17.51				
3	256QAM	15	0	17.38	17.39	17.35				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.50	21.60	21.58	23	0		
1.4	QPSK	1	3	21.36	21.49	21.51				
1.4	QPSK	1	5	21.48	21.47	21.37				
1.4	QPSK	3	0	21.44	21.58	21.51	22	1		
1.4	QPSK	3	1	21.31	21.40	21.44				
1.4	QPSK	3	3	21.42	21.40	21.34				
1.4	QPSK	6	0	20.41	20.52	20.46	22	1		
1.4	16QAM	1	0	20.56	20.62	20.43				
1.4	16QAM	1	3	20.29	20.44	20.41				
1.4	16QAM	1	5	20.35	20.33	20.35	22	1		
1.4	16QAM	3	0	20.48	20.60	20.40				
1.4	16QAM	3	1	20.19	20.36	20.34				
1.4	16QAM	3	3	20.33	20.27	20.34	21	2		
1.4	16QAM	6	0	19.39	19.59	19.54				
1.4	64QAM	1	0	19.57	19.60	19.39				
1.4	64QAM	1	3	19.28	19.48	19.49	21	2		
1.4	64QAM	1	5	19.39	19.34	19.41				
1.4	64QAM	3	0	19.49	19.53	19.34				
1.4	64QAM	3	1	19.18	19.43	19.40	20	3		
1.4	64QAM	3	3	19.37	19.28	19.34				
1.4	64QAM	6	0	18.42	18.59	18.52				
1.4	256QAM	1	0	17.72	17.76	17.56	18	5		
1.4	256QAM	1	3	17.49	17.65	17.53				
1.4	256QAM	1	5	17.42	17.51	17.54				
1.4	256QAM	3	0	17.39	17.57	17.60	18	5		
1.4	256QAM	3	1	17.68	17.59	17.56				
1.4	256QAM	3	3	17.33	17.58	17.54				
1.4	256QAM	6	0	17.36	17.45	17.36	18	5		

Band 7 Ant 1									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.20	16.30	16.16	17.3	0	
20	QPSK	1	49	16.18	16.07	16.12			
20	QPSK	1	99	16.15	16.19	16.15			
20	QPSK	50	0	16.19	16.22	16.17	17.3	0	
20	QPSK	50	24	15.88	16.09	15.98			
20	QPSK	50	50	15.97	16.10	15.96			
20	QPSK	100	0	16.06	16.10	15.98			
20	16QAM	1	0	16.01	16.06	15.92			
20	16QAM	1	49	15.94	16.03	15.85	17.3	0	
20	16QAM	1	99	15.95	16.08	15.95			
20	16QAM	50	0	15.91	16.06	15.88			
20	16QAM	50	24	15.88	16.02	15.87	17.3	0	
20	16QAM	50	50	15.92	16.09	16.07			
20	16QAM	100	0	15.95	16.06	15.98			
20	64QAM	1	0	15.73	15.79	15.66	17.3	0	
20	64QAM	1	49	15.76	15.85	15.85			
20	64QAM	1	99	15.81	15.94	15.77			
20	64QAM	50	0	15.95	16.09	16.05	17.3	0	
20	64QAM	50	24	15.93	16.10	15.96			
20	64QAM	50	50	15.97	16.02	15.85			
20	64QAM	100	0	15.99	16.09	15.97			
20	256QAM	1	0	15.89	16.03	16.02			
20	256QAM	1	49	15.93	15.99	15.83	17.3	0	
20	256QAM	1	99	15.81	15.91	15.70			
20	256QAM	50	0	15.84	16.08	15.87			
20	256QAM	50	24	15.91	16.06	15.80	17.3	0	
20	256QAM	50	50	15.89	16.05	15.74			
20	256QAM	100	0	15.84	15.97	15.98			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.02	16.08	16.00	17.3	0	
15	QPSK	1	37	15.86	15.97	15.82			
15	QPSK	1	74	16.07	16.05	15.97			
15	QPSK	36	0	15.91	16.01	16.07	17.3	0	
15	QPSK	36	20	15.84	16.06	15.90			
15	QPSK	36	39	15.90	15.97	15.87			
15	QPSK	75	0	16.00	15.94	15.97	17.3	0	
15	16QAM	1	0	15.99	15.98	15.83			
15	16QAM	1	37	15.92	16.03	15.84			
15	16QAM	1	74	15.91	15.91	15.79	17.3	0	
15	16QAM	36	0	15.82	16.01	15.86			
15	16QAM	36	20	15.72	15.95	15.79			
15	16QAM	36	39	15.75	15.95	15.91	17.3	0	
15	16QAM	75	0	15.82	15.95	15.94			
15	64QAM	1	0	15.54	15.72	15.55			
15	64QAM	1	37	15.69	15.73	15.78	17.3	0	
15	64QAM	1	74	15.71	15.91	15.69			
15	64QAM	36	0	15.93	16.08	16.00			
15	64QAM	36	20	15.88	15.97	15.91	17.3	0	
15	64QAM	36	39	15.88	15.96	15.80			
15	64QAM	75	0	15.82	16.03	15.98			
15	256QAM	1	0	15.88	15.96	16.03	17.3	0	
15	256QAM	1	37	15.95	15.97	15.96			
15	256QAM	1	74	15.88	15.91	15.73			
15	256QAM	36	0	16.01	15.95	15.96	17.3	0	
15	256QAM	36	20	15.96	16.01	15.97			
15	256QAM	36	39	16.01	15.89	15.79			
15	256QAM	75	0	15.91	16.05	16.01	Tune-up limit (dBm)	MPR (dB)	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.99	16.10	16.08	17.3	0	
10	QPSK	1	25	15.74	16.06	15.77			
10	QPSK	1	49	16.15	16.09	16.15			
10	QPSK	25	0	15.95	16.09	15.90	17.3	0	
10	QPSK	25	12	15.86	15.96	15.80			
10	QPSK	25	25	15.81	15.97	15.78			
10	QPSK	50	0	15.97	16.10	15.99	17.3	0	
10	16QAM	1	0	15.95	16.02	15.85			
10	16QAM	1	25	15.79	15.95	15.66			
10	16QAM	1	49	15.87	15.96	15.86	17.3	0	
10	16QAM	25	0	15.89	16.02	15.84			
10	16QAM	25	12	15.83	15.92	15.74			
10	16QAM	25	25	15.90	15.95	15.97	17.3	0	
10	16QAM	50	0	15.78	15.92	15.98			
10	64QAM	1	0	15.60	15.79	15.66			
10	64QAM	1	25	15.70	15.67	15.70	17.3	0	
10	64QAM	1	49	15.78	15.93	15.77			
10	64QAM	25	0	15.82	15.92	15.93			
10	64QAM	25	12	15.88	16.06	15.79	17.3	0	
10	64QAM	25	25	15.95	15.97	15.77			
10	64QAM	50	0	15.86	15.95	15.89			
10	256QAM	1	0	15.98	15.96	16.03	17.3	0	
10	256QAM	1	25	15.78	15.99	15.94			
10	256QAM	1	49	15.84	16.00	15.74			
10	256QAM	25	0	15.94	15.93	16.01	17.3	0	
10	256QAM	25	12	15.96	16.01	15.80			
10	256QAM	25	25	15.94	15.99	15.76			
10	256QAM	50	0	15.89	15.95	15.82	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.97	16.19	15.97	17.3	0	
5	QPSK	1	12	15.79	16.05	15.89			
5	QPSK	1	24	16.05	16.18	16.09			
5	QPSK	12	0	16.07	16.05	15.96	17.3	0	
5	QPSK	12	7	15.78	15.94	15.85			
5	QPSK	12	13	15.82	16.09	15.84			
5	QPSK	25	0	15.97	16.07	15.79	17.3	0	
5	16QAM	1	0	15.96	15.93	15.91			
5	16QAM	1	12	15.94	15.95	15.81			
5	16QAM	1	24	15.83	15.98	15.84	17.3	0	
5	16QAM	12	0	15.88	15.92	15.82			
5	16QAM	12	7	15.76	16.00	15.85			
5	16QAM	12	13	15.74	15.96	15.95	17.3	0	
5	16QAM	25	0	15.94	16.06	15.94			
5	64QAM	1	0	15.56	15.64	15.64			
5	64QAM	1	12	15.67	15.84	15.82	17.3	0	
5	64QAM	1	24	15.66	15.87	15.77			
5	64QAM	12	0	15.90	15.96	15.99			
5	64QAM	12	7	15.82	16.03	15.89	17.3	0	
5	64QAM	12	13	15.83	15.97	15.70			
5	64QAM	25	0	15.91	15.98	15.85			
5	256QAM	1	0	15.88	16.03	15.92	17.3	0	
5	256QAM	1	12	15.81	15.95	15.94			
5	256QAM	1	24	15.83	15.92	15.83			
5	256QAM	12	0	15.79	16.02	15.97	17.3	0	
5	256QAM	12	7	15.90	16.01	15.99			
5	256QAM	12	13	15.89	15.92	15.77			
5	256QAM	25	0	15.85	16.10	15.98			

Band 38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms) (dBm)	MPR (dB)
Channel							Time-up (ms) (dBm)	MPR (dB)
Frequency (MHz)								
20	QPSK	1	0	18.33	18.40	18.33	18.8	0
20	QPSK	1	49	18.12	18.27	18.16		
20	QPSK	1	99	18.16	18.34	18.17		
20	QPSK	50	0	18.24	18.33	18.28		
20	QPSK	50	24	18.27	18.21	18.25	18.8	0
20	QPSK	50	50	18.12	18.23	18.24		
20	QPSK	100	0	18.26	18.30	18.28		
20	16QAM	1	0	18.22	18.25	18.21		
20	16QAM	1	49	18.19	18.19	18.30	18.8	0
20	16QAM	1	99	18.19	18.34	18.32		
20	16QAM	50	0	18.17	18.19	18.25		
20	16QAM	50	24	18.21	18.20	18.25		
20	16QAM	50	50	18.31	18.38	18.36	18.8	0
20	16QAM	100	0	18.21	18.32	18.22		
20	64QAM	1	0	18.16	18.32	18.25		
20	64QAM	1	49	18.19	18.33	18.38		
20	64QAM	1	99	18.19	18.33	18.26	18.8	0
20	64QAM	50	0	18.07	18.23	18.28		
20	64QAM	50	24	18.32	18.37	18.29		
20	64QAM	50	50	18.18	18.25	18.12		
20	64QAM	100	0	18.09	18.28	18.21	18.8	0
20	256QAM	1	0	18.35	18.32	18.30		
20	256QAM	1	49	18.22	18.25	18.26		
20	256QAM	1	99	18.22	18.32	18.30		
20	256QAM	50	0	18.18	18.31	18.31	18.8	0
20	256QAM	50	24	18.28	18.31	18.30		
20	256QAM	50	50	18.27	18.18	18.15		
20	256QAM	100	0	18.13	18.16	18.23		
Channel							Time-up (ms) (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	0	18.23	18.34	18.25	18.8	0
15	QPSK	1	49	18.19	18.33	18.38		
15	QPSK	1	74	18.07	18.29	18.10		
15	QPSK	36	0	18.15	18.27	18.21		
15	QPSK	36	0	18.12	18.10	18.17	18.8	0
15	QPSK	36	39	17.97	18.18	18.16		
15	QPSK	75	0	18.15	18.26	18.15		
15	16QAM	1	0	18.09	18.31	18.11		
15	16QAM	1	37	18.05	18.08	18.28	18.8	0
15	16QAM	1	74	18.11	18.26	18.21		
15	16QAM	36	0	18.04	18.06	18.14		
15	16QAM	36	39	18.17	18.20	18.19		
15	16QAM	75	0	18.08	18.29	18.09	18.8	0
15	64QAM	1	0	18.01	18.30	18.12		
15	64QAM	1	37	18.09	18.22	18.32		
15	64QAM	1	74	18.06	18.19	18.12		
15	64QAM	36	0	17.98	18.11	18.17	18.8	0
15	64QAM	36	20	18.19	18.25	18.14		
15	64QAM	36	39	18.07	18.16	18.05		
15	64QAM	75	0	18.01	18.15	18.08		
15	256QAM	1	0	18.24	18.32	18.25	18.8	0
15	256QAM	1	37	18.10	18.17	18.15		
15	256QAM	1	74	18.09	18.25	18.23		
15	256QAM	36	0	18.10	18.18	18.18		
15	256QAM	36	20	18.18	18.28	18.25	18.8	0
15	256QAM	36	39	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15	18.8	0
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15	18.8	0
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09	18.8	0
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05	18.8	0
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23	18.8	0
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10	18.8	0
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08	18.8	0
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15	18.8	0
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15	18.8	0
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25	18.8	0
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25	18.8	0
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15	18.8	0
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15	18.8	0
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09	18.8	0
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05	18.8	0
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23	18.8	0
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10	18.8	0
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08	18.8	0
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15	18.8	0
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15	18.8	0
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25	18.8	0
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25	18.8	0
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15	18.8	0
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15	18.8	0
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09	18.8	0
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05	18.8	0
15	256QAM	75	0	18.01	18.15	18.08		
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23	18.8	0
15	256QAM	75	0	18.12	18.17	18.15		
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10	18.8	0
15	256QAM	75	0	18.03	18.06	18.15		
15	256QAM	75	0	18.12	18.15	18.15		
15	256QAM	75	0	18.07	18.16	18.05		
15	256QAM	75	0	18.01	18.15	18.08	18.8	0
15	256QAM	75	0	18.04	18.23	18.25		
15	256QAM	75	0	18.10	18.17	18.15		
15	256QAM	75	0	18.09	18.25	18.23		
15	256QAM	75	0	18.12	18.17	18.15	18.8	0
15	256QAM	75	0	18.18	18.28	18.25		
15	256QAM	75	0	18.23	18.12	18.09		
15	256QAM	75	0	18.03	18.04	18.10		
15	256QAM	75	0	18				

Band 41 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Low-Mid Ch. (Frac)	Power Mid Ch. (Frac)	Power High-Mid Ch. (Frac)	Power High Ch. (Frac)	Time-up (ms) (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.33	18.37	18.45	18.44	18.31		
20	QPSK	1	49	18.16	18.28	18.36	18.30	18.17	18.8	0
20	QPSK	1	99	18.20	18.23	18.39	18.30	18.25		
20	QPSK	50	0	18.29	18.37	18.43	18.42	18.27		
20	QPSK	50	24	18.24	18.31	18.33	18.30	18.21	18.8	0
20	QPSK	50	50	18.28	18.25	18.37	18.37	18.29		
20	QPSK	100	0	18.30	18.37	18.40	18.38	18.30		
20	16QAM	1	0	18.36	18.30	18.36	18.32	18.18		
20	16QAM	1	49	18.26	18.26	18.33	18.39	18.29		
20	16QAM	1	99	18.36	18.31	18.40	18.40	18.29		
20	16QAM	50	0	18.28	18.28	18.33	18.30	18.20		
20	16QAM	50	24	18.29	18.25	18.33	18.31	18.28		
20	16QAM	50	50	18.38	18.41	18.34	18.40	18.29		
20	16QAM	100	0	18.30	18.30	18.41	18.28	18.15		
20	64QAM	1	0	18.23	18.25	18.38	18.33	18.26		
20	64QAM	1	49	18.34	18.33	18.40	18.31	18.32	18.8	0
20	64QAM	1	99	18.31	18.23	18.38	18.29	18.22		
20	64QAM	50	0	18.25	18.22	18.36	18.37	18.28		
20	64QAM	50	24	18.36	18.36	18.40	18.40	18.25		
20	64QAM	50	50	18.35	18.30	18.34	18.25	18.17		
20	64QAM	100	0	18.23	18.22	18.37	18.35	18.26		
20	256QAM	1	0	18.38	18.38	18.40	18.39	18.29		
20	256QAM	1	49	18.30	18.26	18.39	18.29	18.22		
20	256QAM	1	99	18.20	18.27	18.39	18.37	18.21		
20	256QAM	50	0	18.29	18.31	18.40	18.36	18.26		
20	256QAM	50	24	18.28	18.31	18.41	18.33	18.28		
20	256QAM	50	50	18.33	18.32	18.31	18.25	18.19	18.8	0
20	256QAM	100	0	18.23	18.23	18.30	18.25	18.24		
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24	Time-up (ms) (dBm)	MPR (dB)
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		
10	QPSK	1	0	18.28	18.33	18.40	18.38	18.24		

Band 42 Part27Q Ant 2									
BW [MHz]	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	15.81	15.89	15.87	17.2	0	
20	QPSK	1	49	15.79	15.85	15.77			
20	QPSK	1	99	15.82	15.78	15.74			
20	QPSK	50	0	15.71	15.86	15.78	17.2	0	
20	QPSK	50	24	15.69	15.82	15.65			
20	QPSK	50	50	15.78	15.83	15.79			
20	QPSK	100	0	15.75	15.79	15.70	17.2	0	
20	16QAM	1	0	15.73	15.77	15.76			
20	16QAM	1	49	15.71	15.86	15.61			
20	16QAM	1	99	15.78	15.69	15.60	17.2	0	
20	16QAM	50	0	15.73	15.86	15.75			
20	16QAM	50	24	15.55	15.79	15.63			
20	16QAM	50	50	15.66	15.69	15.70	17.2	0	
20	16QAM	100	0	15.78	15.80	15.58			
20	64QAM	1	0	15.80	15.79	15.84			
20	64QAM	1	49	15.69	15.81	15.73	17.2	0	
20	64QAM	1	99	15.80	15.73	15.66			
20	64QAM	50	0	15.59	15.81	15.71			
20	64QAM	50	24	15.68	15.73	15.61	17.2	0	
20	64QAM	50	50	15.74	15.83	15.82			
20	64QAM	100	0	15.75	15.74	15.68			
20	256QAM	1	0	15.48	15.75	15.60	17.2	0	
20	256QAM	1	49	15.59	15.76	15.53			
20	256QAM	1	99	15.76	15.69	15.80			
20	256QAM	50	0	15.79	15.68	15.58	17.2	0	
20	256QAM	50	24	15.48	15.81	15.68			
20	256QAM	50	50	15.54	15.73	15.51			
20	256QAM	100	0	15.75	15.68	15.80			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	15.69	15.75	15.85	17.2	0	
15	QPSK	1	37	15.78	15.85	15.80			
15	QPSK	1	74	15.74	15.76	15.58			
15	QPSK	36	0	15.70	15.81	15.63	17.2	0	
15	QPSK	36	20	15.53	15.80	15.54			
15	QPSK	36	39	15.70	15.71	15.65			
15	QPSK	75	0	15.64	15.76	15.58	17.2	0	
15	16QAM	1	0	15.70	15.71	15.61			
15	16QAM	1	37	15.75	15.71	15.60			
15	16QAM	1	74	15.76	15.68	15.62	17.2	0	
15	16QAM	36	0	15.71	15.78	15.63			
15	16QAM	36	20	15.51	15.76	15.59			
15	16QAM	36	39	15.68	15.71	15.62	17.2	0	
15	16QAM	75	0	15.75	15.71	15.52			
15	64QAM	1	0	15.65	15.77	15.85	17.2	0	
15	64QAM	1	37	15.70	15.79	15.72			
15	64QAM	1	74	15.67	15.69	15.52			
15	64QAM	36	0	15.44	15.77	15.60	17.2	0	
15	64QAM	36	20	15.70	15.71	15.46			
15	64QAM	36	39	15.61	15.72	15.67			
15	64QAM	75	0	15.62	15.72	15.69	17.2	0	
15	256QAM	1	0	15.33	15.78	15.51			
15	256QAM	1	37	15.69	15.68	15.42			
15	256QAM	1	74	15.62	15.64	15.51	17.2	0	
15	256QAM	36	0	15.56	15.74	15.65			
15	256QAM	36	20	15.40	15.81	15.51			
15	256QAM	36	39	15.55	15.62	15.34		0	
15	256QAM	75	0	15.47	15.68	15.67			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	15.65	15.78	15.87	17.2	0	
10	QPSK	1	25	15.78	15.84	15.70			
10	QPSK	1	49	15.78	15.66	15.74			
10	QPSK	25	0	15.66	15.89	15.79	17.2	0	
10	QPSK	25	12	15.68	15.70	15.50			
10	QPSK	25	25	15.69	15.79	15.76			
10	QPSK	50	0	15.66	15.80	15.71	17.2	0	
10	16QAM	1	0	15.70	15.64	15.71			
10	16QAM	1	25	15.74	15.87	15.63			
10	16QAM	1	49	15.65	15.54	15.59	17.2	0	
10	16QAM	25	0	15.61	15.77	15.76			
10	16QAM	25	12	15.50	15.70	15.62			
10	16QAM	25	25	15.50	15.62	15.57	17.2	0	
10	16QAM	50	0	15.76	15.81	15.61			
10	64QAM	1	0	15.83	15.68	15.84	17.2	0	
10	64QAM	1	25	15.62	15.67	15.65			
10	64QAM	1	49	15.79	15.63	15.65			
10	64QAM	25	0	15.56	15.70	15.62	17.2	0	
10	64QAM	25	12	15.71	15.69	15.57			
10	64QAM	25	25	15.62	15.84	15.70			
10	64QAM	50	0	15.76	15.65	15.56	17.2	0	
10	256QAM	1	0	15.43	15.71	15.66			
10	256QAM	1	25	15.68	15.53	15.45			
10	256QAM	1	49	15.62	15.81	15.72	17.2	0	
10	256QAM	25	0	15.46	15.56	15.52			
10	256QAM	25	12	15.71	15.55	15.50			
10	256QAM	25	25	15.61	15.86	15.54	17.2	0	
10	256QAM	50	0	15.65	15.69	15.57			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3492.5	3500	3547.5			
5	QPSK	1	0	15.83	15.87	15.87	17.2	0	
5	QPSK	1	12	15.80	15.70	15.70			
5	QPSK	1	24	15.83	15.76	15.64			
5	QPSK	12	0	15.71	15.85	15.78	17.2	0	
5	QPSK	12	7	15.54	15.70	15.61			
5	QPSK	12	13	15.65	15.84	15.78			
5	QPSK	25	0	15.64	15.64	15.58	17.2	0	
5	16QAM	1	0	15.57	15.64	15.71			
5	16QAM	1	12	15.70	15.88	15.52			
5	16QAM	1	24	15.75	15.62	15.45	17.2	0	
5	16QAM	12	0	15.60	15.83	15.66			
5	16QAM	12	7	15.52	15.68	15.66			
5	16QAM	12	13	15.50	15.69	15.74	17.2	0	
5	16QAM	25	0	15.75	15.79	15.46			
5	64QAM	1	0	15.74	15.71	15.81	17.2	0	
5	64QAM	1	12	15.67	15.73	15.61			
5	64QAM	1	24	15.73	15.69	15.66			
5	64QAM	12	0	15.49	15.81	15.66	17.2	0	
5	64QAM	12	7	15.68	15.66	15.58			
5	64QAM	12	13	15.76	15.71	15.70			
5	64QAM	25	0	15.68	15.75	15.70	17.2	0	
5	256QAM	1	0	15.34	15.84	15.63			
5	256QAM	1	12	15.54	15.67	15.52			
5	256QAM	1	24	15.72	15.67	15.66	17.2	0	
5	256QAM	12	0	15.38	15.65	15.66			
5	256QAM	12	7	15.68	15.66	15.54			
5	256QAM	12	13	15.68	15.64	15.56	17.2	0	
5	256QAM	25	0	15.66	15.69	15.61			

Band 7 Ant 5									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.23	22.28	22.25	24	0	
20	QPSK	1	49	22.16	22.21	22.20			
20	QPSK	1	99	22.12	22.15	22.17			
20	QPSK	50	0	21.19	21.30	21.22	23	1	
20	QPSK	50	24	21.14	21.16	21.19			
20	QPSK	50	50	21.07	21.14	21.13			
20	QPSK	100	0	21.16	21.17	21.15	23	1	
20	16QAM	1	0	21.11	21.16	21.10			
20	16QAM	1	49	21.02	21.05	21.08			
20	16QAM	1	99	21.03	21.05	21.09	22	2	
20	16QAM	50	0	20.22	20.32	20.23			
20	16QAM	50	24	20.13	20.11	20.20			
20	16QAM	50	50	20.04	20.15	20.12	22	2	
20	16QAM	100	0	20.11	20.19	20.15			
20	64QAM	1	0	20.14	20.11	20.11			
20	64QAM	1	49	20.01	20.03	20.12	22	2	
20	64QAM	1	99	20.10	20.08	20.13			
20	64QAM	50	0	19.18	19.27	19.21			
20	64QAM	50	24	19.12	19.18	19.24	21	3	
20	64QAM	50	50	19.02	19.10	19.11			
20	64QAM	100	0	19.19	19.18	19.14			
20	256QAM	1	0	17.21	17.28	17.16	19	5	
20	256QAM	1	49	17.03	17.04	17.28			
20	256QAM	1	99	17.10	17.15	17.05			
20	256QAM	50	0	17.20	17.12	17.10	19	5	
20	256QAM	50	24	17.13	17.15	17.03			
20	256QAM	50	50	17.05	17.11	17.20			
20	256QAM	100	0	17.13	17.04	17.15			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.13	22.19	22.14	24	0	
15	QPSK	1	37	22.06	22.11	22.13			
15	QPSK	1	74	22.10	22.03	22.09			
15	QPSK	36	0	21.06	21.21	21.09	23	1	
15	QPSK	36	20	21.10	21.11	21.14			
15	QPSK	36	39	21.06	21.04	21.08			
15	QPSK	75	0	21.04	21.11	21.09	23	1	
15	16QAM	1	0	21.01	21.05	21.07			
15	16QAM	1	37	21.13	21.08	21.06			
15	16QAM	1	74	21.18	21.05	21.04	22	2	
15	16QAM	36	0	20.17	20.20	20.13			
15	16QAM	36	20	20.11	20.03	20.08			
15	16QAM	36	39	20.10	20.11	20.01	22	2	
15	16QAM	75	0	20.01	20.12	20.02			
15	64QAM	1	0	20.04	20.04	20.03			
15	64QAM	1	37	20.07	20.12	20.03	21	3	
15	64QAM	1	74	20.06	20.03	20.10			
15	64QAM	36	0	19.09	19.16	19.09			
15	64QAM	36	20	19.02	19.06	19.20	19	5	
15	64QAM	36	39	19.12	19.02	19.03			
15	64QAM	75	0	19.06	19.14	19.02			
15	256QAM	1	0	17.22	17.28	17.26	19	5	
15	256QAM	1	37	17.19	17.17	17.17			
15	256QAM	1	74	17.01	17.14	17.08			
15	256QAM	36	0	17.08	17.29	17.07	19	5	
15	256QAM	36	20	17.07	17.01	17.08			
15	256QAM	36	39	17.05	17.09	17.03			
15	256QAM	75	0	17.11	17.14	17.06			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.11	22.23	22.11	24	0	
10	QPSK	1	25	22.15	22.18	22.14			
10	QPSK	1	49	22.11	22.04	22.16			
10	QPSK	25	0	21.18	21.33	21.13	23	1	
10	QPSK	25	12	21.15	21.07	21.06			
10	QPSK	25	25	21.06	21.06	21.10			
10	QPSK	50	0	21.16	21.13	21.14	23	1	
10	16QAM	1	0	21.15	21.19	21.15			
10	16QAM	1	25	21.03	21.14	21.11			
10	16QAM	1	49	21.04	21.10	21.11	22	2	
10	16QAM	25	0	20.19	20.35	20.15			
10	16QAM	25	12	20.11	20.03	20.13			
10	16QAM	25	25	20.06	20.18	20.17	22	2	
10	16QAM	50	0	20.11	20.13	20.09			
10	64QAM	1	0	20.06	20.14	20.12			
10	64QAM	1	25	20.07	20.07	20.01	21	3	
10	64QAM	1	49	20.15	20.11	20.04			
10	64QAM	25	0	19.03	19.26	19.12			
10	64QAM	25	12	19.15	19.21	19.21	19	5	
10	64QAM	25	25	19.07	19.10	19.08			
10	64QAM	50	0	19.14	19.15	19.04			
10	256QAM	1	0	17.29	17.34	17.23	19	5	
10	256QAM	1	25	17.09	17.06	17.20			
10	256QAM	1	49	17.15	17.25	17.11			
10	256QAM	25	0	17.11	17.26	17.08	19	5	
10	256QAM	25	12	17.17	17.18	17.04			
10	256QAM	25	25	17.10	17.00	17.15			
10	256QAM	50	0	17.19	17.17	17.12			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.11	22.25	22.11	24	0	
5	QPSK	1	12	22.01	22.13	22.16			
5	QPSK	1	24	22.15	22.18	22.20			
5	QPSK	12	0	21.15	21.23	21.22	23	1	
5	QPSK	12	7	21.17	21.17	21.21			
5	QPSK	12	13	21.11	21.03	21.10			
5	QPSK	25	0	21.02	21.21	21.12	23	1	
5	16QAM	1	0	21.12	21.14	21.03			
5	16QAM	1	12	21.07	21.03	21.05			
5	16QAM	1	24	21.05	21.10	21.14	22	2	
5	16QAM	12	0	20.16	20.19	20.28			
5	16QAM	12	7	20.12	20.07	20.22			
5	16QAM	12	13	20.10	20.01	20.09	22	2	
5	16QAM	25	0	20.11	20.18	20.01			
5	64QAM	1	0	20.04	20.12	20.14			
5	64QAM	1	12	20.11	20.10	20.14	21	3	
5	64QAM	1	24	20.13	20.17	20.15			
5	64QAM	12	0	19.16	19.22	19.06			
5	64QAM	12	7	19.16	19.10	19.14	19	5	
5	64QAM	12	13	19.07	19.01	19.12			
5	64QAM	25	0	19.11	19.04	19.12			
5	256QAM	1	0	17.12	17.34	17.16	19	5	
5	256QAM	1	12	17.16	17.07	17.21			
5	256QAM	1	24	17.07	17.09	17.17			
5	256QAM	12	0	17.16	17.14	17.17	19	5	
5	256QAM	12	7	17.04	17.18	17.04			
5	256QAM	12	13	17.05	17.02	17.10			
5	256QAM	25	0	17.12	17.11	17.10			

Reduced Power Mode for DSI3 Standalone

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
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 slot		31.49	31.56	31.54	33.20	22.49	22.56	22.54	24.20
GPRS 1 Tx slot		31.61	31.75	31.60	33.20	22.61	22.75	22.60	24.20
GPRS 2 Tx slots		28.63	28.68	28.59	30.20	22.63	22.68	22.59	24.20
GPRS 3 Tx slots		26.97	27.04	26.96	28.40	22.71	22.78	22.70	24.14
GPRS 4 Tx slots		26.05	26.05	26.02	27.20	23.05	23.05	23.02	24.20
EDGE 1 Tx slot		25.79	25.83	25.79	27.00	16.79	16.83	16.79	18.00
EDGE 2 Tx slots		24.85	24.94	24.88	26.00	18.85	18.94	18.88	20.00
EDGE 3 Tx slots		22.73	22.88	22.78	24.00	18.47	18.62	18.52	19.74
EDGE 4 Tx slots		20.70	20.79	20.73	22.00	17.70	17.79	17.73	19.00

GSM1800		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	681	810		512	681	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		27.66	27.67	27.61	28.60	18.66	18.67	18.61	19.60
GPRS 1 Tx slot		27.76	27.78	27.66	28.60	18.76	18.78	18.66	19.60
GPRS 2 Tx slots		24.16	24.30	24.22	25.60	18.16	18.30	18.22	19.60
GPRS 3 Tx slots		22.46	22.50	22.36	23.80	18.20	18.24	18.10	19.54
GPRS 4 Tx slots		21.56	21.70	21.49	22.60	18.56	18.70	18.49	19.60
EDGE 1 Tx slot		25.55	25.58	25.48	27.00	16.55	16.58	16.48	18.00
EDGE 2 Tx slots		25.09	25.14	25.08	25.50	19.09	19.14	19.08	19.50
EDGE 3 Tx slots		22.70	22.83	22.80	23.50	18.44	18.57	18.54	19.24
EDGE 4 Tx slots		20.16	20.29	20.23	21.50	17.16	17.29	17.23	18.50

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	17.04	17.17	17.22	18.20	22.54	22.67	22.53	24.00
3GPP Rel 99	RMC 12.2Kbps	17.22	17.34	17.30	18.20	22.61	22.78	22.66	24.00
3GPP Rel 6	HSDPA Subtest-1	16.21	16.28	16.27	17.20	21.43	21.72	21.55	23.00
3GPP Rel 6	HSDPA Subtest-2	16.25	16.38	16.26	17.20	21.67	21.90	21.77	21.90
3GPP Rel 6	HSDPA Subtest-3	15.66	15.77	15.83	16.70	20.99	21.26	21.14	22.50
3GPP Rel 6	HSDPA Subtest-4	15.69	15.77	15.87	16.70	21.07	21.26	21.18	22.50
3GPP Rel 6	HSUPA Subtest-1	17.19	17.22	17.21	18.20	22.55	22.71	22.61	24.00
3GPP Rel 6	HSUPA Subtest-2	15.19	15.36	15.36	16.20	20.64	20.88	20.76	22.00
3GPP Rel 6	HSUPA Subtest-3	16.26	16.35	16.35	17.20	21.49	21.66	21.63	23.00
3GPP Rel 6	HSUPA Subtest-4	15.19	15.33	15.26	16.20	20.64	20.84	20.59	22.00
3GPP Rel 6	HSUPA Subtest-5	17.08	17.25	17.22	18.20	22.50	22.70	22.57	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.66	14.79	14.80	15.70	20.23	20.28	20.20	21.50

Band 2 Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on time (s)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.76	16.86	16.74	18	0						
20	QPSK	48	0	16.45	16.54	16.72								
20	QPSK	1	99	16.77	16.80	16.74								
20	QPSK	50	0	16.66	16.74	16.58								
20	QPSK	24	0	16.40	16.55	16.51	18	0						
20	QPSK	50	50	16.70	16.70	16.68								
20	QPSK	100	0	16.71	16.72	16.71								
20	QPSK	100	0	16.47	16.72	16.57								
20	16QAM	1	49	16.41	16.58	16.56	18	0						
20	16QAM	1	56	16.48	16.61	16.56								
20	16QAM	50	0	16.51	16.58	16.50								
20	16QAM	50	24	16.48	16.54	16.54								
20	16QAM	50	50	16.60	16.57	16.54	18	0						
20	16QAM	100	0	16.59	16.58	16.47								
20	16QAM	1	0	16.36	16.66	16.48								
20	16QAM	1	49	16.40	16.51	16.50								
20	16QAM	1	59	16.50	16.56	16.50	18	0						
20	16QAM	50	0	16.48	16.59	16.43								
20	16QAM	50	24	16.56	16.57	16.52								
20	16QAM	50	50	16.41	16.57	16.52								
20	256QAM	100	0	16.42	16.58	16.47	18	0						
20	256QAM	1	0	16.40	16.64	16.48								
20	256QAM	1	49	16.55	16.59	16.50								
20	256QAM	1	99	16.37	16.59	16.45								
20	256QAM	50	0	16.57	16.54	16.47								
20	256QAM	50	24	16.55	16.70	16.47								
20	256QAM	50	50	16.41	16.57	16.52								
20	256QAM	100	0	16.51	16.55	16.48								
Channel														
Frequency (MHz)														
16	QPSK	1	0	16.53	16.66	16.43	18	0						
16	QPSK	1	37	16.48	16.65	16.58								
16	QPSK	1	74	16.49	16.58	16.48								
16	QPSK	36	0	16.51	16.56	16.43								
16	QPSK	36	0	16.39	16.43	16.41	18	0						
16	QPSK	36	36	16.42	16.48	16.38								
16	QPSK	75	0	16.42	16.50	16.44								
16	16QAM	1	0	16.22	16.51	16.29								
16	16QAM	1	37	16.38	16.39	16.38	18	0						
16	16QAM	36	0	16.35	16.44	16.38								
16	16QAM	36	0	16.31	16.41	16.23								
16	16QAM	36	20	16.22	16.27	16.39								
16	16QAM	75	0	16.42	16.39	16.20	18	0						
16	16QAM	1	0	16.11	16.44	16.19								
16	16QAM	1	37	16.42	16.42	16.29								
16	16QAM	1	74	16.44	16.47	16.38								
16	16QAM	36	0	16.22	16.40	16.13	18	0						
16	16QAM	36	20	16.22	16.27	16.29								
16	16QAM	36	36	16.27	16.34	16.31								
16	16QAM	75	0	16.13	16.34	16.19								
16	16QAM	1	0	16.13	16.34	16.19	18	0						
16	16QAM	1	37	16.32	16.46	16.35								
16	256QAM	1	0	16.25	16.48	16.26								
16	256QAM	1	74	16.16	16.38	16.30								
16	256QAM	36	0	16.26	16.39	16.23	18	0						
16	256QAM	36	20	16.40	16.54	16.31								
16	256QAM	36	36	16.20	16.32	16.32								
16	256QAM	75	0	16.32	16.33	16.32								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.48	16.59	16.50	18	0						
10	QPSK	1	25	16.37	16.59	16.47								
10	QPSK	1	49	16.63	16.53	16.45								
10	QPSK	25	0	16.41	16.48	16.42								
10	QPSK	25	12	16.35	16.46	16.42	18	0						
10	QPSK	25	25	16.58	16.56	16.46								
10	QPSK	50	0	16.45	16.45	16.45								
10	16QAM	1	0	16.29	16.57	16.31								
10	16QAM	1	25	16.38	16.35	16.33	18	0						
10	16QAM	1	49	16.42	16.42	16.29								
10	16QAM	25	0	16.26	16.39	16.23								
10	16QAM	25	12	16.31	16.39	16.38								
10	16QAM	50	0	16.44	16.38	16.32	18	0						
10	16QAM	1	0	16.10	16.45	16.23								
10	16QAM	1	49	16.40	16.44	16.33								
10	16QAM	1	49	16.39	16.44	16.33								
10	16QAM	25	0	16.32	16.42	16.27	18	0						
10	16QAM	25	12	16.41	16.45	16.35								
10	16QAM	50	0	16.20	16.43	16.32								
10	16QAM	50	0	16.41	16.45	16.32								
10	256QAM	1	0	16.28	16.46	16.25	18	0						
10	256QAM	1	25	16.40	16.45	16.33								
10	256QAM	1	49	16.11	16.32	16.23								
10	256QAM	25	0	16.27	16.27	16.23								
10	256QAM	25	12	16.27	16.42	16.28	18	0						
10	256QAM	25	25	16.16	16.33	16.28								
10	256QAM	25	25	16.16	16.33	16.28								
10	256QAM	50	0	16.34	16.36	16.20								
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.51	16.59	16.50	18	0						
5	QPSK	1	12	16.48	16.57	16.45								
5	QPSK	1	24	16.49	16.66	16.47								
5	QPSK	13	0	16.46	16.54	16.43								
5	QPSK	12	7	16.37	16.57	16.44	18	0						
5	QPSK	12	13	16.53	16.55	16.43								
5	QPSK	25	14	16.42	16.54	16.48								
5	16QAM	1	0	16.33	16.51	16.36								
5	16QAM	1	12	16.14	16.29	16.37	18	0						
5	16QAM	1	24	16.24	16.33	16.28								
5	16QAM	12	0	16.26	16.38	16.30								
5	16QAM	12	7	16.23	16.33	16.25								
5	16QAM	13	0	16.41	16.38	16.33	18	0						
5	16QAM	25	0	16.34	16.36	16.26								
5	16QAM	1	0	16.15	16.44	16.18								
5	16QAM	1	12	16.30	16.34	16.30								
5	16QAM	1	24	16.39	16.41	16.30	18	0						
5	16QAM	12	0	16.27	16.46	16.20								
5	16QAM	12	7	16.28	16.38	16.28								
5	16QAM	25	0	16.43	16.45	16.19								
5	256QAM	1	0	16.27	16.41	16.25	18	0						
5	256QAM	1	24	16.23	16.42	16.28								
5	256QAM	12	0	16.37	16.26	16.25								
5	256QAM	12	7	16.52	16.27	16.25	18	0						
5	256QAM	12	13	16.16	16.28	16.19								
5	256QAM	25	0	16.29	16.27	16.28								
5	256QAM	25	12	16.29	16.42	16.28								
Channel														
Frequency (MHz)														
180.5	QPSK	1	0	16.51	16.60	16.50.5	18	0						
3	QPSK	1	0	16.48	16.62	16.58								
3	QPSK	1	4	16.49	16.60	16.48								
3	QPSK	8	0	16.51	16.51	16.51								
3	QPSK	8	4	16.49	16.54	16.50	18	0						
3	QPSK	8	4	16.36	16.46	16.46								
3	QPSK	16	0	16.44	16.45	16.45								
3	QPSK	16	0	16.50	16.50	16.50								
3	16QAM	1	0	16.24	16.33	16.33	18	0						
3	16QAM	1	4	16.29	16.39	16.29								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	7	16.32	16.35	16.40	18	0						
3	16QAM	8	7	16.36	16.36	16.36								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.24	16.33	16.33	18	0						
3	16QAM	16	4	16.29	16.39	16.29								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	7	16.32	16.35	16.40	18	0						
3	16QAM	8	7	16.36	16.36	16.36								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.24	16.33	16.33	18	0						
3	16QAM	16	4	16.29	16.39	16.29								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	7	16.32	16.35	16.40	18	0						
3	16QAM	8	7	16.36	16.36	16.36								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.24	16.33	16.33	18	0						
3	16QAM	16	4	16.29	16.39	16.29								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	7	16.32	16.35	16.40	18	0						
3	16QAM	8	7	16.36	16.36	16.36								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.24	16.33	16.33	18	0						
3	16QAM	16	4	16.29	16.39	16.29								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	7	16.32	16.35	16.40	18	0						
3	16QAM	8	7	16.36	16.36	16.36								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.45	16.45	16.45								
3	16QAM	16	0	16.24	16.33	16.33	18	0						
3	16QAM	16	4	16.29	16.39	16.29								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	4	16.27	16.27	16.32								
3	16QAM	8	7	16.32</										

Band 5 Ant 1											
BW [MHz]	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)				829	836.5	844					
10	QPSK	1	0	21.60	21.69	21.63	23	0			
10	QPSK	1	25	21.42	21.58	21.52					
10	QPSK	1	49	21.50	21.49	21.48					
10	QPSK	25	0	20.65	20.71	20.60	22	1			
10	QPSK	25	12	20.42	20.56	20.53					
10	QPSK	25	25	20.48	20.47	20.50					
10	QPSK	50	0	20.45	20.61	20.56	22	1			
10	16QAM	1	0	20.61	20.66	20.47					
10	16QAM	1	25	20.33	20.51	20.46					
10	16QAM	1	49	20.43	20.38	20.38	21	2			
10	16QAM	25	0	19.65	19.69	19.63					
10	16QAM	25	12	19.43	19.56	19.55					
10	16QAM	25	25	19.48	19.42	19.54	21	2			
10	16QAM	50	0	19.45	19.65	19.60					
10	64QAM	1	0	19.59	19.65	19.50					
10	64QAM	1	25	19.34	19.55	19.51	21	2			
10	64QAM	1	49	19.41	19.43	19.43					
10	64QAM	25	0	18.65	18.74	18.59					
10	64QAM	25	12	18.39	18.53	18.50	20	3			
10	64QAM	25	25	18.53	18.44	18.53					
10	64QAM	50	0	18.50	18.63	18.55					
10	256QAM	1	0	17.67	17.64	17.62	18	5			
10	256QAM	1	25	17.38	17.59	17.46					
10	256QAM	1	49	17.52	17.39	17.50					
10	256QAM	25	0	17.42	17.63	17.57	18	5			
10	256QAM	25	12	17.66	17.70	17.41					
10	256QAM	25	25	17.38	17.48	17.61					
10	256QAM	50	0	17.43	17.35	17.48					
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	21.51	21.62	21.58	23	0			
5	QPSK	1	12	21.38	21.47	21.51					
5	QPSK	1	24	21.48	21.47	21.39					
5	QPSK	12	0	20.63	20.67	20.54	22	1			
5	QPSK	12	7	20.40	20.54	20.49					
5	QPSK	12	13	20.39	20.41	20.46					
5	QPSK	25	0	20.40	20.51	20.47	22	1			
5	16QAM	1	0	20.58	20.64	20.36					
5	16QAM	1	12	20.30	20.45	20.36					
5	16QAM	1	24	20.38	20.32	20.37	21	2			
5	16QAM	12	0	19.60	19.61	19.61					
5	16QAM	12	7	19.34	19.54	19.53					
5	16QAM	12	13	19.40	19.38	19.53	21	2			
5	16QAM	25	0	19.36	19.62	19.51					
5	64QAM	1	0	19.50	19.60	19.40					
5	64QAM	1	12	19.30	19.45	19.44	21	2			
5	64QAM	1	24	19.33	19.42	19.41					
5	64QAM	12	0	18.62	18.72	18.58					
5	64QAM	12	7	18.36	18.47	18.43	20	3			
5	64QAM	12	13	18.44	18.36	18.47					
5	64QAM	25	0	18.42	18.54	18.54					
5	256QAM	1	0	17.62	17.71	17.59	18	5			
5	256QAM	1	12	17.47	17.57	17.60					
5	256QAM	1	24	17.46	17.44	17.58					
5	256QAM	12	0	17.51	17.59	17.51	18	5			
5	256QAM	12	7	17.58	17.60	17.55					
5	256QAM	12	13	17.27	17.50	17.54					
5	256QAM	25	0	17.43	17.43	17.41					
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	21.55	21.64	21.53	23	0			
3	QPSK	1	8	21.36	21.54	21.50					
3	QPSK	1	14	21.40	21.43	21.43					
3	QPSK	8	0	20.56	20.64	20.56	22	1			
3	QPSK	8	4	20.34	20.55	20.47					
3	QPSK	8	7	20.38	20.39	20.47					
3	QPSK	15	0	20.43	20.52	20.54	22	1			
3	16QAM	1	0	20.55	20.65	20.38					
3	16QAM	1	8	20.32	20.45	20.41					
3	16QAM	1	14	20.42	20.34	20.34	21	2			
3	16QAM	8	0	19.60	19.67	19.54					
3	16QAM	8	4	19.34	19.49	19.44					
3	16QAM	8	7	19.41	19.39	19.52	21	2			
3	16QAM	15	0	19.41	19.57	19.50					
3	64QAM	1	0	19.54	19.62	19.42					
3	64QAM	1	8	19.33	19.52	19.42	21	2			
3	64QAM	1	14	19.34	19.38	19.34					
3	64QAM	8	0	18.54	18.66	18.51					
3	64QAM	8	4	18.37	18.44	18.44	20	3			
3	64QAM	8	7	18.52	18.34	18.46					
3	64QAM	15	0	18.42	18.59	18.50					
3	256QAM	1	0	17.73	17.65	17.72	18	5			
3	256QAM	1	8	17.34	17.58	17.47					
3	256QAM	1	14	17.47	17.33	17.59					
3	256QAM	8	0	17.46	17.65	17.57	18	5			
3	256QAM	8	4	17.64	17.57	17.44					
3	256QAM	8	7	17.38	17.56	17.51					
3	256QAM	15	0	17.38	17.39	17.35					
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	21.50	21.60	21.58	23	0			
1.4	QPSK	1	3	21.36	21.49	21.51					
1.4	QPSK	1	5	21.48	21.47	21.37					
1.4	QPSK	3	0	21.44	21.58	21.51	22	1			
1.4	QPSK	3	1	21.31	21.40	21.44					
1.4	QPSK	3	3	21.42	21.40	21.34					
1.4	QPSK	6	0	20.41	20.52	20.46	22	1			
1.4	16QAM	1	0	20.56	20.62	20.43					
1.4	16QAM	1	3	20.29	20.44	20.41					
1.4	16QAM	1	5	20.35	20.33	20.35	22	1			
1.4	16QAM	3	0	20.48	20.60	20.40					
1.4	16QAM	3	1	20.19	20.36	20.34					
1.4	16QAM	3	3	20.33	20.27	20.34	21	2			
1.4	16QAM	6	0	19.39	19.59	19.54					
1.4	64QAM	1	0	19.57	19.60	19.39					
1.4	64QAM	1	3	19.28	19.48	19.49	21	2			
1.4	64QAM	1	5	19.39	19.34	19.41					
1.4	64QAM	3	0	19.49	19.53	19.34					
1.4	64QAM	3	1	19.18	19.43	19.40	20	3			
1.4	64QAM	3	3	19.37	19.28	19.34					
1.4	64QAM	6	0	18.42	18.59	18.52					
1.4	256QAM	1	0	17.72	17.76	17.56	18	5			
1.4	256QAM	1	3	17.49	17.65	17.53					
1.4	256QAM	1	5	17.42	17.51	17.54					
1.4	256QAM	3	0	17.39	17.57	17.60					
1.4	256QAM	3	1	17.68	17.59	17.56	18	5			
1.4	256QAM	3	3	17.33	17.58	17.54					
1.4	256QAM	6	0	17.36	17.45	17.36					

Band 7 Ant 1									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.30	18.46	18.31	19.3	0	
20	QPSK	1	49	18.27	18.43	18.33			
20	QPSK	1	99	18.18	18.36	18.18			
20	QPSK	50	0	18.19	18.40	18.37	19.3	0	
20	QPSK	50	24	18.32	18.34	18.29			
20	QPSK	50	50	18.24	18.39	18.28			
20	QPSK	100	0	18.10	18.39	18.15	19.3	0	
20	16QAM	1	0	18.16	18.36	18.26			
20	16QAM	1	49	18.22	18.30	18.19			
20	16QAM	1	99	18.04	18.29	18.09	19.3	0	
20	16QAM	50	0	18.05	18.28	18.33			
20	16QAM	50	24	18.27	18.21	18.18			
20	16QAM	50	50	18.09	18.28	18.22	19.3	0	
20	16QAM	100	0	18.03	18.30	18.08			
20	64QAM	1	0	18.26	18.36	18.20			
20	64QAM	1	49	18.20	18.38	18.18	19.3	0	
20	64QAM	1	99	18.03	18.24	18.15			
20	64QAM	50	0	18.15	18.36	18.33			
20	64QAM	50	24	18.21	18.28	18.26	19.3	0	
20	64QAM	50	50	18.18	18.27	18.18			
20	64QAM	100	0	17.98	18.28	18.05			
20	256QAM	1	0	18.02	18.25	18.11	19	0.3	
20	256QAM	1	49	18.10	18.18	18.14			
20	256QAM	1	99	17.97	18.25	17.96			
20	256QAM	50	0	17.93	18.20	18.23	19	0.3	
20	256QAM	50	24	18.13	18.07	18.14			
20	256QAM	50	50	18.03	18.20	18.18			
20	256QAM	100	0	17.96	18.25	18.03			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.27	18.42	18.19	19.3	0	
15	QPSK	1	37	18.15	18.31	18.26			
15	QPSK	1	74	18.12	18.32	18.15			
15	QPSK	36	0	18.12	18.31	18.28	19.3	0	
15	QPSK	36	20	18.27	18.26	18.25			
15	QPSK	36	39	18.09	18.34	18.22			
15	QPSK	75	0	17.97	18.33	18.03	19.3	0	
15	16QAM	1	0	18.11	18.32	18.16			
15	16QAM	1	37	18.19	18.17	18.14			
15	16QAM	1	74	18.00	18.21	17.98	19.3	0	
15	16QAM	36	0	17.93	18.25	18.25			
15	16QAM	36	20	18.13	18.15	18.14			
15	16QAM	36	39	18.04	18.21	18.09	19.3	0	
15	16QAM	75	0	17.97	18.25	18.03			
15	64QAM	1	0	18.23	18.24	18.09			
15	64QAM	1	37	18.05	18.32	18.14	19.3	0	
15	64QAM	1	74	17.98	18.12	18.05			
15	64QAM	36	0	18.01	18.23	18.19			
15	64QAM	36	20	18.12	18.15	18.18	19.3	0	
15	64QAM	36	39	18.05	18.18	18.05			
15	64QAM	75	0	17.87	18.24	17.97			
15	256QAM	1	0	17.90	18.21	18.04	19	0.3	
15	256QAM	1	37	17.96	18.11	18.04			
15	256QAM	1	74	17.91	18.16	17.83			
15	256QAM	36	0	17.86	18.08	18.19	19	0.3	
15	256QAM	36	20	18.10	17.92	18.07			
15	256QAM	36	39	17.96	18.09	18.15			
15	256QAM	75	0	17.85	18.10	17.88			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.18	18.34	18.18	19.3	0	
10	QPSK	1	25	18.19	18.31	18.21			
10	QPSK	1	49	18.03	18.32	18.08			
10	QPSK	25	0	18.10	18.28	18.25	19.3	0	
10	QPSK	25	12	18.21	18.29	18.19			
10	QPSK	25	25	18.13	18.35	18.23			
10	QPSK	50	0	17.96	18.29	18.11	19.3	0	
10	16QAM	1	0	18.06	18.27	18.21			
10	16QAM	1	25	18.08	18.19	18.10			
10	16QAM	1	49	17.99	18.17	18.03	19.3	0	
10	16QAM	25	0	18.01	18.24	18.26			
10	16QAM	25	12	18.16	18.11	18.03			
10	16QAM	25	25	17.96	18.24	18.15	19.3	0	
10	16QAM	50	0	17.88	18.25	18.04			
10	64QAM	1	0	18.16	18.24	18.10			
10	64QAM	1	25	18.07	18.34	18.11	19.3	0	
10	64QAM	1	49	17.90	18.17	18.04			
10	64QAM	25	0	18.10	18.29	18.22			
10	64QAM	25	12	18.11	18.18	18.19	19.3	0	
10	64QAM	25	25	18.14	18.21	18.03			
10	64QAM	50	0	17.87	18.19	17.91			
10	256QAM	1	0	17.88	18.14	18.08	19	0.3	
10	256QAM	1	25	17.99	18.12	18.01			
10	256QAM	1	49	17.86	18.13	17.85			
10	256QAM	25	0	17.84	18.14	18.15	19	0.3	
10	256QAM	25	12	18.02	17.97	18.06			
10	256QAM	25	25	17.95	18.06	18.10			
10	256QAM	50	0	17.88	18.18	17.94			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.23	18.32	18.26	19.3	0	
5	QPSK	1	12	18.24	18.30	18.26			
5	QPSK	1	24	18.05	18.29	18.09			
5	QPSK	12	0	18.06	18.34	18.27	19.3	0	
5	QPSK	12	7	18.21	18.26	18.17			
5	QPSK	12	13	18.15	18.27	18.22			
5	QPSK	25	0	17.97	18.26	18.02	19.3	0	
5	16QAM	1	0	18.11	18.24	18.19			
5	16QAM	1	12	18.15	18.25	18.06			
5	16QAM	1	24	18.00	18.21	18.04	19.3	0	
5	16QAM	12	0	17.91	18.16	18.23			
5	16QAM	12	7	18.17	18.07	18.08			
5	16QAM	12	13	18.00	18.24	18.13	19.3	0	
5	16QAM	25	0	18.00	18.18	18.00			
5	64QAM	1	0	18.18	18.26	18.13			
5	64QAM	1	12	18.15	18.30	18.06	19.3	0	
5	64QAM	1	24	17.97	18.13	18.05			
5	64QAM	12	0	18.08	18.30	18.29			
5	64QAM	12	7	18.07	18.20	18.19	19.3	0	
5	64QAM	12	13	18.03	18.20	18.08			
5	64QAM	25	0	17.83	18.17	18.01			
5	256QAM	1	0	17.96	18.15	18.00	19	0.3	
5	256QAM	1	12	18.04	18.04	18.08			
5	256QAM	1	24	17.88	18.11	17.89			
5	256QAM	12	0	17.90	18.10	18.14	19	0.3	
5	256QAM	12	7	18.04	18.03	18.03			
5	256QAM	12	13	17.90	18.07	18.07			
5	256QAM	25	0	17.90	18.19	17.91			

Band 38 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Low Mid Co. (Frac)	Power High Mid Co. (Frac)	Power High Co. (Frac)	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.46	18.57	18.54			
20	QPSK	1	49	18.40	18.53	18.36		18.9	0
20	QPSK	1	99	18.32	18.49	18.35		18.9	0
20	QPSK	50	0	18.37	18.52	18.45			
20	QPSK	50	24	18.37	18.44	18.40		18.9	0
20	QPSK	50	50	18.30	18.54	18.50		18.9	0
20	QPSK	100	0	18.34	18.40	18.33			
20	16QAM	1	0	18.39	18.55	18.49			
20	16QAM	1	49	18.32	18.51	18.35		18.9	0
20	16QAM	1	99	18.36	18.54	18.39		18.9	0
20	16QAM	50	0	18.39	18.45	18.43			
20	16QAM	50	24	18.30	18.51	18.46		18.9	0
20	16QAM	50	50	18.35	18.55	18.38		18.9	0
20	16QAM	100	0	18.39	18.48	18.40			
20	64QAM	1	0	18.46	18.54	18.44			
20	64QAM	1	49	18.38	18.51	18.40			
20	64QAM	1	99	18.43	18.51	18.45			
20	64QAM	50	0	18.33	18.52	18.38			
20	64QAM	50	24	18.34	18.55	18.40			
20	64QAM	50	50	18.37	18.48	18.38		18.9	0
20	64QAM	100	0	18.37	18.47	18.50			
20	256QAM	1	0	18.32	18.40	18.37			
20	256QAM	1	49	18.29	18.47	18.44		18.9	0
20	256QAM	1	99	18.31	18.52	18.40			
20	256QAM	50	0	18.32	18.34	18.26			
20	256QAM	50	24	18.22	18.40	18.31			
20	256QAM	50	50	18.23	18.33	18.28			
20	256QAM	100	0	18.26	18.34	18.29			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.39	18.46	18.46			
15	QPSK	1	37	18.25	18.43	18.30		18.9	0
15	QPSK	1	74	18.34	18.40	18.25			
15	QPSK	36	0	18.26	18.39	18.34			
15	QPSK	36	1	18.21	18.23	18.32		18.9	0
15	QPSK	36	39	18.25	18.33	18.36			
15	QPSK	75	0	18.24	18.35	18.26			
15	16QAM	1	0	18.29	18.41	18.26			
15	16QAM	1	37	18.23	18.42	18.32		18.9	0
15	16QAM	1	74	18.27	18.48	18.28			
15	16QAM	36	0	18.30	18.32	18.36			
15	16QAM	36	1	18.25	18.28	18.29		18.9	0
15	16QAM	36	39	18.31	18.50	18.29			
15	16QAM	75	0	18.36	18.41	18.27			
15	64QAM	1	0	18.31	18.43	18.30			
15	64QAM	1	37	18.24	18.37	18.31		18.9	0
15	64QAM	1	74	18.37	18.48	18.36			
15	64QAM	36	0	18.21	18.37	18.34			
15	64QAM	36	1	18.16	18.31	18.29			
15	64QAM	36	39	18.26	18.37	18.23			
15	64QAM	75	0	18.27	18.36	18.38			
15	256QAM	1	0	18.22	18.30	18.23			
15	256QAM	1	37	18.21	18.40	18.33		18.9	0
15	256QAM	1	74	18.21	18.45	18.29			
15	256QAM	36	0	18.26	18.32	18.16			
15	256QAM	36	20	18.12	18.26	18.20		18.9	0
15	256QAM	36	39	18.17	18.23	18.21			
15	256QAM	75	0	18.14	18.23	18.22			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.33	18.43	18.47			
10	QPSK	1	12	18.34	18.42	18.33		18.9	0
10	QPSK	1	49	18.28	18.37	18.23			
10	QPSK	25	0	18.23	18.45	18.42			
10	QPSK	25	13	18.27	18.33	18.34		18.9	0
10	QPSK	25	25	18.19	18.37	18.43			
10	QPSK	50	0	18.19	18.30	18.20			
10	16QAM	1	0	18.27	18.48	18.31			
10	16QAM	1	25	18.27	18.48	18.31		18.9	0
10	16QAM	1	49	18.28	18.42	18.39			
10	16QAM	25	0	18.34	18.36	18.33			
10	16QAM	25	12	18.16	18.42	18.39		18.9	0
10	16QAM	25	25	18.21	18.42	18.31			
10	16QAM	50	0	18.35	18.39	18.34			
10	64QAM	1	0	18.41	18.48	18.30			
10	64QAM	1	25	18.24	18.39	18.31		18.9	0
10	64QAM	1	49	18.38	18.37	18.37			
10	64QAM	25	0	18.25	18.44	18.36		18.9	0
10	64QAM	25	12	18.31	18.45	18.28			
10	64QAM	25	25	18.27	18.43	18.23			
10	64QAM	50	0	18.31	18.50	18.44			
10	256QAM	1	0	18.26	18.35	18.32			
10	256QAM	1	25	18.15	18.42	18.33		18.9	0
10	256QAM	1	49	18.20	18.49	18.36			
10	256QAM	25	0	18.19	18.26	18.18		18.9	0
10	256QAM	25	12	18.08	18.26	18.23			
10	256QAM	25	25	18.14	18.24	18.25			
10	256QAM	50	0	18.14	18.23	18.22		18.9	0
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.33	18.51	18.44			
5	QPSK	1	12	18.37	18.44	18.33		18.9	0
5	QPSK	1	24	18.36	18.42	18.27			
5	QPSK	12	0	18.33	18.46	18.41		18.9	0
5	QPSK	12	7	18.31	18.40	18.36			
5	QPSK	12	13	18.18	18.36	18.41			
5	QPSK	25	0	18.29	18.34	18.28			
5	16QAM	1	0	18.25	18.51	18.30			
5	16QAM	1	12	18.21	18.42	18.30		18.9	0
5	16QAM	1	24	18.24	18.46	18.28			
5	16QAM	12	0	18.29	18.31	18.36			
5	16QAM	12	7	18.20	18.36	18.37		18.9	0
5	16QAM	12	13	18.28	18.50	18.31			
5	16QAM	25	0	18.31	18.33	18.27			
5	64QAM	1	0	18.35	18.41	18.30			
5	64QAM	1	12	18.22	18.51	18.35		18.9	0
5	64QAM	1	24	18.35	18.44	18.33			
5	64QAM	12	0	18.28	18.49	18.24		18.9	0
5	64QAM	12	7	18.20	18.40	18.31			
5	64QAM	12	13	18.28	18.36	18.27			
5	64QAM	25	0	18.28	18.33	18.27		18.9	0
5	256QAM	1	0	18.19	18.26	18.24			
5	256QAM	1	12	18.22	18.43	18.38		18.9	0
5	256QAM	1	24	18.16	18.38	18.28			
5	256QAM	12	0	18.29	18.25	18.17			
5	256QAM	12	7	18.18	18.33	18.23		18.9	0
5	256QAM	12	13	18.17	18.23	18.14			
5	256QAM	25	0	18.23	18.25	18.31			

Band 41 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co. (Frac)	Power Low Mid Co. (Frac)	Power High Mid Co. (Frac)	Power High Co. (Frac)	Tune-up limit (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.49	18.52	18.66	18.58	18.57	18.9	0
20	QPSK	1	49	18.37	18.45	18.60	18.48	18.51		
20	QPSK	1	99	18.38	18.46	18.62	18.49	18.46		
20	QPSK	50	0	18.41	18.42	18.59	18.53	18.47		
20	QPSK	50	24	18.40	18.46	18.51	18.55	18.51	18.9	0
20	QPSK	50	50	18.45	18.41	18.54	18.53	18.48		
20	QPSK	100	0	18.43	18.41	18.54	18.50	18.50		
20	16QAM	1	0	18.46	18.46	18.62	18.50	18.50		
20	16QAM	1	49	18.35	18.47	18.50	18.46	18.45	18.9	0
20	16QAM	1	99	18.42	18.49	18.58	18.49	18.46		
20	16QAM	50	0	18.44	18.49	18.55	18.50	18.54		
20	16QAM	50	24	18.36	18.42	18.60	18.54	18.52		
20	16QAM	50	50	18.37	18.48	18.62	18.49	18.50	18.9	0
20	16QAM	100	0	18.44	18.50	18.54	18.49	18.55		
20	64QAM	1	0	18.44	18.49	18.62	18.53	18.47		
20	64QAM	1	49	18.40	18.41	18.57	18.55	18.48		
20	64QAM	1	99	18.39	18.46	18.63	18.55	18.48	18.9	0
20	64QAM	50	0	18.43	18.46	18.57	18.47	18.52		
20	64QAM	50	24	18.43	18.41	18.58	18.54	18.45		
20	64QAM	50	50	18.38	18.47	18.55	18.48	18.54		
20	64QAM	100	0	18.43	18.43	18.55	18.54	18.52	18.9	0
20	256QAM	1	0	18.30	18.41	18.53	18.40	18.34		
20	256QAM	1	49	18.36	18.36	18.45	18.36	18.30		
20	256QAM	1	99	18.27	18.37	18.58	18.46	18.43		
20	256QAM	50	0	18.36	18.40	18.44	18.40	18.38	18.9	0
20	256QAM	50	24	18.31	18.41	18.53	18.43	18.31		
20	256QAM	50	50	18.26	18.33	18.47	18.38	18.40		
20	256QAM	100	0	18.30	18.39	18.43	18.44	18.47		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.45	18.51	18.63	18.53	18.51	18.9	0
15	QPSK	1	37	18.26	18.37	18.56	18.47	18.46		
15	QPSK	1	74	18.28	18.33	18.53	18.40	18.32		
15	QPSK	36	0	18.37	18.30	18.56	18.39	18.44		
15	QPSK	36	20	18.29	18.32	18.41	18.44	18.46	18.9	0
15	QPSK	36	50	18.40	18.32	18.41	18.41	18.32		
15	QPSK	75	0	18.32	18.26	18.42	18.43	18.46		
15	16QAM	1	0	18.32	18.38	18.48	18.36	18.40		
15	16QAM	1	37	18.34	18.35	18.50	18.35	18.38	18.9	0
15	16QAM	1	74	18.37	18.43	18.54	18.44	18.31		
15	16QAM	36	0	18.39	18.42	18.45	18.46	18.49		
15	16QAM	36	20	18.25	18.29	18.47	18.47	18.45		
15	16QAM	36	50	18.32	18.38	18.56	18.44	18.47	18.9	0
15	16QAM	75	0	18.35	18.37	18.49	18.36	18.44		
15	64QAM	1	0	18.34	18.34	18.53	18.44	18.38		
15	64QAM	1	37	18.33	18.36	18.45	18.36	18.49		
15	64QAM	1	74	18.26	18.42	18.51	18.51	18.45	18.9	0
15	64QAM	36	0	18.36	18.40	18.43	18.43	18.45		
15	64QAM	36	20	18.30	18.35	18.45	18.43	18.38		
15	64QAM	36	50	18.25	18.39	18.50	18.33	18.44		
15	64QAM	75	0	18.34	18.38	18.48	18.41	18.48	18.9	0
15	256QAM	1	0	18.38	18.36	18.47	18.37	18.41		
15	256QAM	1	37	18.33	18.38	18.51	18.51	18.49		
15	256QAM	1	74	18.33	18.36	18.58	18.45	18.34		
15	256QAM	36	0	18.39	18.38	18.45	18.38	18.41	18.9	0
15	256QAM	36	20	18.33	18.35	18.48	18.37	18.37		
15	256QAM	36	50	18.27	18.36	18.49	18.42	18.42		
15	256QAM	75	0	18.36	18.36	18.46	18.31	18.41		
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.31	18.36	18.46	18.31	18.47	18.9	0
15	QPSK	1	26	18.22	18.32	18.56	18.45	18.48		
15	QPSK	1	49	18.24	18.32	18.50	18.43	18.37		
15	QPSK	25	0	18.37	18.30	18.56	18.42	18.33		
15	QPSK	25	12	18.26	18.32	18.39	18.47	18.44	18.9	0
15	QPSK	25	26	18.38	18.27	18.48	18.47	18.44		
15	QPSK	50	0	18.36	18.31	18.50	18.43	18.36		
15	QPSK	50	12	18.28	18.36	18.46	18.46	18.33		
15	16QAM	1	49	18.37	18.46	18.45	18.35	18.40	18.9	0
15	16QAM	25	0	18.41	18.41	18.46	18.44	18.40		
15	16QAM	25	12	18.28	18.38	18.46	18.28	18.46		
15	16QAM	25	26	18.24	18.37	18.53	18.33	18.41		
15	16QAM	50	0	18.36	18.42	18.49	18.37	18.42	18.9	0
15	16QAM	50	12	18.38	18.43	18.45	18.55	18.37		
15	64QAM	1	25	18.33	18.31	18.44	18.46	18.50		
15	64QAM	1	49	18.27	18.37	18.50	18.44	18.42		
15	64QAM	25	0	18.36	18.32	18.48	18.33	18.39	18.9	0
15	64QAM	25	12	18.28	18.35	18.44	18.43	18.39		
15	64QAM	25	26	18.31	18.41	18.52	18.39	18.42		
15	64QAM	50	0	18.31	18.31	18.50	18.48	18.46		
15	256QAM	1	0	18.31	18.31	18.57	18.52	18.50	18.9	0
15	256QAM	1	25	18.28	18.34	18.45	18.45	18.41		
15	256QAM	1	49	18.25	18.35	18.57	18.43	18.34		
15	256QAM	25	0	18.35	18.35	18.50	18.50	18.46		
15	256QAM	25	12	18.39	18.32	18.54	18.41	18.37	18.9	0
15	256QAM	25	26	18.33	18.38	18.43	18.42	18.47		
15	256QAM	50	0	18.30	18.34	18.47	18.50	18.44		
15	256QAM	50	12	18.27	18.34	18.53	18.42	18.39		
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.95	25.48	25.93	26.42	26.47	18.9	0
5	QPSK	1	12	18.49	18.44	18.62	18.47	18.48		
5	QPSK	1	24	18.37	18.42	18.56	18.34	18.34		
5	QPSK	12	0	18.37	18.34	18.46	18.38	18.37		
5	QPSK	12	12	18.27	18.37	18.39	18.47	18.42	18.9	0
5	QPSK	12	13	18.29	18.27	18.42	18.42	18.39		
5	QPSK	25	0	18.37	18.27	18.45	18.45	18.43		
5	QPSK	25	12	18.38	18.34	18.53	18.42	18.39		
5	16QAM	1	12	18.27	18.34	18.54	18.35	18.37	18.9	0
5	16QAM	1	24	18.30	18.30	18.46	18.37	18.32		
5	16QAM	12	0	18.39	18.44	18.44	18.44	18.44		
5	16QAM	12	7	18.31	18.33	18.56	18.43	18.46		
5	16QAM	12	13	18.32	18.39	18.51	18.38	18.43	18.9	0
5	16QAM	25	0	18.36	18.40	18.41	18.30	18.46		
5	16QAM	25	12	18.30	18.39	18.58	18.39	18.37		
5	64QAM	1	12	18.34	18.41	18.51	18.42	18.45		
5	64QAM	1	24	18.25	18.39	18.60	18.47	18.41	18.9	0
5	64QAM	12	0	18.32	18.34	18.53	18.43	18.48		
5	64QAM	12	7	18.34	18.27	18.51	18.49	18.31		
5	64QAM	12	13	18.33	18.37	18.51	18.44	18.40		
5	256QAM	1	0	18.32	18.38	18.53	18.43	18.42	18.9	0
5	256QAM	1	12	18.27	18.31	18.52	18.48	18.50		
5	256QAM	1	24	18.32	18.32	18.56	18.47	18.37		
5	256QAM	12	0	18.37	18.37	18.53	18.43	18.42		
5	256QAM	12	7	18.37	18.30	18.44	18.41	18.41	18.9	0
5	256QAM	12	13	18.28	18.38	18.47	18.41	18.49		
5	256QAM	12	14	18.30	18.34	18.57	18.44	18.41		
5	256QAM	12	15	18.31	18.33	18.56	18.43	18.46		

Band 42 Part27Q Ant 2									
BW [MHz]	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	18.34	18.39	18.36	19.6	0	
20	QPSK	1	49	18.28	18.35	18.23			
20	QPSK	1	99	18.28	18.28	18.17			
20	QPSK	50	0	18.09	18.10	18.07	19.6	0	
20	QPSK	50	24	18.06	17.98	17.98			
20	QPSK	50	50	17.99	18.05	17.88			
20	QPSK	100	0	17.97	18.08	18.00	19.6	0	
20	16QAM	1	0	18.01	18.06	17.93			
20	16QAM	1	49	17.99	17.93	17.90			
20	16QAM	1	99	18.05	18.11	18.06	19.6	0	
20	16QAM	50	0	18.07	18.14	18.13			
20	16QAM	50	24	17.99	18.12	17.98			
20	16QAM	50	50	17.92	18.02	17.83	19.6	0	
20	16QAM	100	0	18.01	18.05	18.07			
20	64QAM	1	0	18.04	18.11	17.97			
20	64QAM	1	49	18.03	17.92	17.93	19.6	0	
20	64QAM	1	99	18.01	18.11	18.00			
20	64QAM	50	0	18.00	18.12	17.88			
20	64QAM	50	24	18.05	18.03	17.85	19.6	0	
20	64QAM	50	50	18.11	18.15	18.03			
20	64QAM	100	0	18.02	18.07	17.89			
20	256QAM	1	0	17.31	17.34	17.16	19	0.6	
20	256QAM	1	49	17.18	17.16	17.24			
20	256QAM	1	99	17.22	17.09	17.17			
20	256QAM	50	0	17.24	17.24	17.00	19	0.6	
20	256QAM	50	24	17.30	17.10	17.14			
20	256QAM	50	50	17.14	17.21	17.11			
20	256QAM	100	0	17.16	17.02	17.10			
Channel				42165	42590	43015		Tune-up limit (dBm)	
Frequency (MHz)				3457.5	3500	3542.5		MPR (dB)	
15	QPSK	1	0	18.20	18.30	18.28	19.6	0	
15	QPSK	1	37	18.10	18.27	18.04			
15	QPSK	1	74	18.09	18.19	17.99			
15	QPSK	36	0	18.00	17.89	17.98	19.6	0	
15	QPSK	36	20	17.97	17.82	17.75			
15	QPSK	36	39	17.76	17.93	17.72			
15	QPSK	75	0	17.87	17.96	17.83	19.6	0	
15	16QAM	1	0	17.84	17.84	17.76			
15	16QAM	1	37	17.88	17.85	17.81			
15	16QAM	1	74	17.89	17.92	17.88	19.6	0	
15	16QAM	36	0	17.87	17.95	17.91			
15	16QAM	36	20	17.89	18.03	17.83			
15	16QAM	36	39	17.70	17.85	17.74	19.6	0	
15	16QAM	75	0	17.90	17.89	17.88			
15	64QAM	1	0	17.93	17.93	17.86			
15	64QAM	1	37	17.83	17.78	17.72	19.6	0	
15	64QAM	1	74	17.87	17.90	17.81			
15	64QAM	36	0	17.89	17.90	17.72			
15	64QAM	36	20	17.94	17.91	17.76	19.6	0	
15	64QAM	36	39	17.90	18.04	17.95			
15	64QAM	75	0	17.84	17.84	17.78			
15	256QAM	1	0	17.34	17.24	17.30	19	0.6	
15	256QAM	1	37	17.13	17.33	17.16			
15	256QAM	1	74	17.11	17.21	17.03			
15	256QAM	36	0	17.19	17.28	17.07	19	0.6	
15	256QAM	36	20	17.27	17.14	17.24			
15	256QAM	36	39	17.16	17.18	17.01			
15	256QAM	75	0	17.17	17.07	17.05			
Channel				42140	42590	43040		Tune-up limit (dBm)	
Frequency (MHz)				3455	3500	3545		MPR (dB)	
10	QPSK	1	0	18.17	18.29	18.18	19.6	0	
10	QPSK	1	25	18.18	18.13	18.12			
10	QPSK	1	49	18.09	18.08	18.00			
10	QPSK	25	0	17.96	17.89	17.93	19.6	0	
10	QPSK	25	12	17.89	17.75	17.78			
10	QPSK	25	25	17.89	17.94	17.71			
10	QPSK	50	0	17.86	17.97	17.83	19.6	0	
10	16QAM	1	0	17.93	17.92	17.72			
10	16QAM	1	25	17.75	17.81	17.77			
10	16QAM	1	49	17.89	17.93	17.95	19.6	0	
10	16QAM	25	0	17.95	18.01	17.92			
10	16QAM	25	12	17.85	17.89	17.76			
10	16QAM	25	25	17.82	17.84	17.73	19.6	0	
10	16QAM	50	0	17.82	17.95	17.84			
10	64QAM	1	0	17.85	17.94	17.83			
10	64QAM	1	25	17.89	17.79	17.84	19.6	0	
10	64QAM	1	49	17.92	17.87	17.92			
10	64QAM	25	0	17.89	17.91	17.71			
10	64QAM	25	12	17.92	17.81	17.65	19.6	0	
10	64QAM	25	25	17.96	17.92	17.87			
10	64QAM	50	0	17.88	17.95	17.78			
10	256QAM	1	0	17.22	17.29	17.30	19	0.6	
10	256QAM	1	25	17.20	17.17	17.14			
10	256QAM	1	49	17.10	17.21	17.18			
10	256QAM	25	0	17.23	17.31	17.02	19	0.6	
10	256QAM	25	12	17.19	17.11	17.05			
10	256QAM	25	25	17.13	17.13	17.01			
10	256QAM	50	0	17.02	17.01	17.12			
Channel				42115	42590	43065		Tune-up limit (dBm)	
Frequency (MHz)				3492.5	3500	3547.5		MPR (dB)	
5	QPSK	1	0	18.23	18.24	18.27	19.6	0	
5	QPSK	1	12	18.08	18.26	18.04			
5	QPSK	1	24	18.16	18.18	17.99			
5	QPSK	12	0	17.95	18.02	17.97	19.6	0	
5	QPSK	12	7	17.90	17.79	17.84			
5	QPSK	12	13	17.77	17.87	17.66			
5	QPSK	25	0	17.78	17.87	17.89	19.6	0	
5	16QAM	1	0	17.81	17.85	17.72			
5	16QAM	1	12	17.84	17.70	17.67			
5	16QAM	1	24	17.89	18.00	17.96	19.6	0	
5	16QAM	12	0	17.92	18.06	17.92			
5	16QAM	12	7	17.76	17.97	17.84			
5	16QAM	12	13	17.77	17.91	17.73	19.6	0	
5	16QAM	25	0	17.88	17.82	17.84			
5	64QAM	1	0	17.91	17.98	17.87			
5	64QAM	1	12	17.85	17.77	17.83	19.6	0	
5	64QAM	1	24	17.89	17.98	17.86			
5	64QAM	12	0	17.91	17.93	17.79			
5	64QAM	12	7	17.96	17.85	17.69	19.6	0	
5	64QAM	12	13	18.02	17.97	17.91			
5	64QAM	25	0	17.93	17.99	17.76			
5	256QAM	1	0	17.22	17.42	17.27	19	0.6	
5	256QAM	1	12	17.22	17.33	17.10			
5	256QAM	1	24	17.16	17.15	17.03			
5	256QAM	12	0	17.16	17.34	17.03	19	0.6	
5	256QAM	12	7	17.14	17.28	17.15			
5	256QAM	12	13	17.10	17.16	17.08			
5	256QAM	25	0	17.13	17.13	17.23			

Band 7 Ant 5									
BW [MHz]	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	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.92	18.00	17.91	19	0	
20	QPSK	1	49	17.78	17.93	17.82			
20	QPSK	1	99	17.82	17.87	17.73			
20	QPSK	50	0	17.79	17.88	17.74	19	0	
20	QPSK	50	24	17.68	17.81	17.61			
20	QPSK	50	50	17.60	17.76	17.55			
20	QPSK	100	0	17.78	17.79	17.72	19	0	
20	16QAM	1	0	17.60	17.76	17.66			
20	16QAM	1	49	17.60	17.78	17.50			
20	16QAM	1	99	17.76	17.83	17.81	19	0	
20	16QAM	50	0	17.69	17.72	17.68			
20	16QAM	50	24	17.69	17.65	17.64			
20	16QAM	50	50	17.76	17.83	17.78	19	0	
20	16QAM	100	0	17.60	17.72	17.67			
20	64QAM	1	0	17.73	17.78	17.62	19	0	
20	64QAM	1	49	17.69	17.81	17.70			
20	64QAM	1	99	17.63	17.72	17.69			
20	64QAM	50	0	17.62	17.70	17.64	19	0	
20	64QAM	50	24	17.77	17.80	17.70			
20	64QAM	50	50	17.68	17.71	17.60			
20	64QAM	100	0	17.69	17.71	17.63	19	0	
20	256QAM	1	0	17.68	17.89	17.76			
20	256QAM	1	49	17.57	17.84	17.66			
20	256QAM	1	99	17.60	17.67	17.62	19	0	
20	256QAM	50	0	17.82	17.82	17.79			
20	256QAM	50	24	17.70	17.81	17.62			
20	256QAM	50	50	17.59	17.67	17.58	19	0	
20	256QAM	100	0	17.73	17.91	17.68			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.69	17.87	17.68	19	0	
15	QPSK	1	37	17.60	17.69	17.63			
15	QPSK	1	74	17.60	17.77	17.60			
15	QPSK	36	0	17.62	17.78	17.52	19	0	
15	QPSK	36	20	17.67	17.73	17.49			
15	QPSK	36	39	17.60	17.61	17.34			
15	QPSK	75	0	17.66	17.60	17.60	19	0	
15	16QAM	1	0	17.46	17.60	17.42			
15	16QAM	1	37	17.40	17.68	17.37			
15	16QAM	1	74	17.59	17.75	17.57	19	0	
15	16QAM	36	0	17.54	17.63	17.60			
15	16QAM	36	20	17.56	17.45	17.47			
15	16QAM	36	39	17.53	17.67	17.57	19	0	
15	16QAM	75	0	17.38	17.51	17.55			
15	64QAM	1	0	17.54	17.68	17.44			
15	64QAM	1	37	17.56	17.63	17.57	19	0	
15	64QAM	1	74	17.53	17.50	17.46			
15	64QAM	36	0	17.52	17.56	17.56			
15	64QAM	36	20	17.57	17.66	17.47	19	0	
15	64QAM	36	39	17.57	17.48	17.44			
15	64QAM	75	0	17.55	17.50	17.48			
15	256QAM	1	0	17.47	17.69	17.61	19	0	
15	256QAM	1	37	17.38	17.61	17.43			
15	256QAM	1	74	17.46	17.51	17.46			
15	256QAM	36	0	17.62	17.69	17.69	19	0	
15	256QAM	36	20	17.50	17.59	17.43			
15	256QAM	36	39	17.36	17.53	17.36			
15	256QAM	75	0	17.61	17.78	17.57	19	0	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.69	17.79	17.73		19	
10	QPSK	1	25	17.62	17.72	17.66			
10	QPSK	1	49	17.69	17.63	17.64			
10	QPSK	25	0	17.57	17.71	17.54	19	0	
10	QPSK	25	12	17.56	17.72	17.37			
10	QPSK	25	25	17.39	17.59	17.37			
10	QPSK	50	0	17.65	17.68	17.63	19	0	
10	16QAM	1	0	17.39	17.65	17.48			
10	16QAM	1	25	17.36	17.64	17.27			
10	16QAM	1	49	17.67	17.66	17.59	19	0	
10	16QAM	25	0	17.54	17.58	17.50			
10	16QAM	25	12	17.52	17.45	17.49			
10	16QAM	25	25	17.53	17.60	17.62	19	0	
10	16QAM	50	0	17.46	17.53	17.47			
10	64QAM	1	0	17.62	17.61	17.49			
10	64QAM	1	25	17.59	17.66	17.51	19	0	
10	64QAM	1	49	17.47	17.55	17.57			
10	64QAM	25	0	17.45	17.61	17.54			
10	64QAM	25	12	17.60	17.67	17.58	19	0	
10	64QAM	25	25	17.49	17.54	17.39			
10	64QAM	50	0	17.60	17.51	17.44			
10	256QAM	1	0	17.51	17.81	17.62	19	0	
10	256QAM	1	25	17.44	17.73	17.48			
10	256QAM	1	49	17.44	17.43	17.53			
10	256QAM	25	0	17.60	17.64	17.68	19	0	
10	256QAM	25	12	17.55	17.66	17.49			
10	256QAM	25	25	17.44	17.48	17.47			
10	256QAM	50	0	17.56	17.70	17.45	19	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.74	17.85	17.80		19	
5	QPSK	1	12	17.57	17.79	17.72			
5	QPSK	1	24	17.62	17.77	17.55			
5	QPSK	12	0	17.69	17.74	17.63	19	0	
5	QPSK	12	7	17.45	17.58	17.38			
5	QPSK	12	13	17.38	17.54	17.41			
5	QPSK	25	0	17.61	17.56	17.73	19	0	
5	16QAM	1	0	17.52	17.54	17.48			
5	16QAM	1	12	17.40	17.60	17.38			
5	16QAM	1	24	17.60	17.61	17.63	19	0	
5	16QAM	12	0	17.60	17.56	17.56			
5	16QAM	12	7	17.52	17.56	17.53			
5	16QAM	12	13	17.58	17.65	17.62	19	0	
5	16QAM	25	0	17.43	17.64	17.49			
5	64QAM	1	0	17.49	17.65	17.46			
5	64QAM	1	12	17.51	17.68	17.56	19	0	
5	64QAM	1	24	17.51	17.51	17.54			
5	64QAM	12	0	17.45	17.56	17.47			
5	64QAM	12	7	17.54	17.72	17.54	19	0	
5	64QAM	12	13	17.52	17.57	17.47			
5	64QAM	25	0	17.47	17.54	17.47			
5	256QAM	1	0	17.60	17.66	17.52	19	0	
5	256QAM	1	12	17.48	17.72	17.51			
5	256QAM	1	24	17.38	17.49	17.42			
5	256QAM	12	0	17.73	17.68	17.70	19	0	
5	256QAM	12	7	17.55	17.70	17.50			
5	256QAM	12	13	17.41	17.44	17.38			
5	256QAM	25	0	17.57	17.72	17.46			

Reduced Power Mode for DSI3 Simultaneous

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	31.49	31.56	31.54	33.20	22.49	22.56	22.54	24.20
GSM 1 Tx slot	31.61	31.75	31.60	33.20	22.61	22.75	22.60	24.20
GPRS 1 Tx slots	28.63	28.68	28.59	30.20	22.63	22.68	22.59	24.20
GPRS 2 Tx slots	28.97	27.04	28.96	28.40	22.71	22.78	22.70	24.14
GPRS 3 Tx slots	28.05	26.05	28.02	27.20	23.05	23.05	23.02	24.20
GPRS 4 Tx slots	25.79	25.83	25.79	27.00	16.79	16.83	16.79	18.00
EDGE 1 Tx slot	24.85	24.94	24.88	26.00	18.85	18.94	18.88	20.00
EDGE 2 Tx slots	22.73	22.88	22.78	24.00	18.47	18.62	18.52	19.74
EDGE 3 Tx slots	20.70	20.79	20.73	22.00	17.70	17.79	17.73	19.00
EDGE 4 Tx slots								

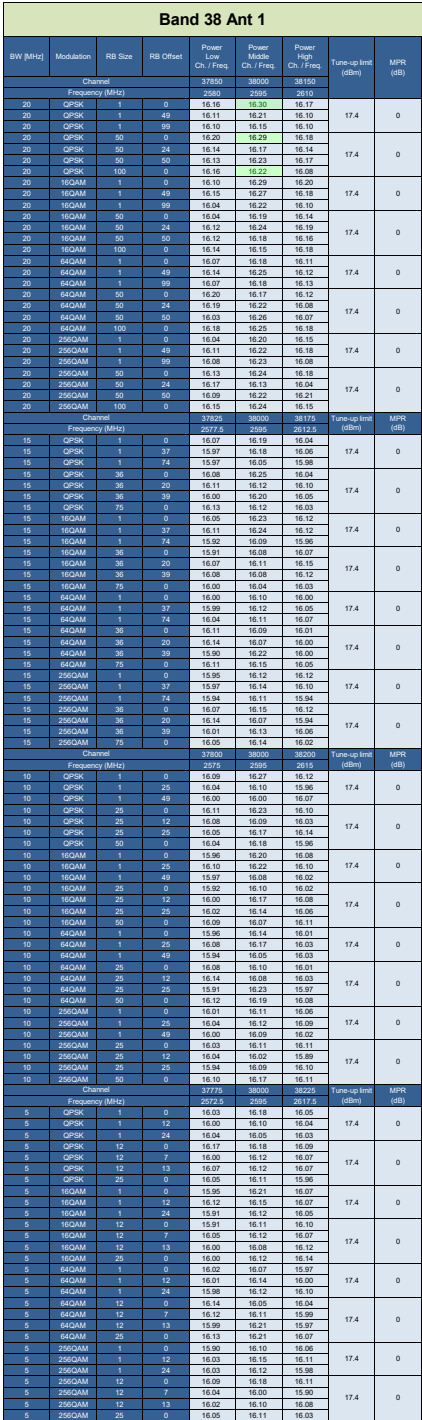
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1550.2	1660	1800.8		1550.2	1660	1800.8	
Frequency (MHz)	25.45	25.52	25.38	26.50	16.45	16.52	16.39	17.50
GSM 1 Tx slot	25.46	25.53	25.42	26.50	16.46	16.53	16.42	17.50
GPRS 1 Tx slots	21.97	22.06	21.98	23.50	15.97	16.06	15.98	17.50
GPRS 2 Tx slots	20.13	20.29	20.19	21.70	15.87	16.03	15.93	17.44
GPRS 3 Tx slots	19.45	19.50	19.42	20.50	16.45	16.50	16.42	17.50
GPRS 4 Tx slots	24.88	24.85	24.82	26.50	15.88	15.85	15.82	17.50
EDGE 1 Tx slot	21.98	21.98	22.02	23.50	15.98	15.98	16.02	17.50
EDGE 2 Tx slots	20.15	20.19	20.25	21.70	15.89	15.93	15.99	17.44
EDGE 3 Tx slots	18.92	19.12	18.98	20.50	15.92	16.12	15.98	17.50
EDGE 4 Tx slots								

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.06	15.11	15.09	16.40	22.54	22.67	22.53	24.00
3GPP Rel 99	RMC 12.2Kbps	15.02	15.19	15.16	16.40	22.61	22.78	22.66	24.00
3GPP Rel 6	HSDPA Subtest-1	14.06	14.24	14.09	15.40	21.43	21.72	21.55	23.00
3GPP Rel 6	HSDPA Subtest-2	14.05	14.13	14.23	15.40	21.67	21.90	21.77	23.00
3GPP Rel 6	HSDPA Subtest-3	13.65	13.62	13.70	14.90	20.99	21.26	21.14	22.50
3GPP Rel 6	HSDPA Subtest-4	13.55	13.73	13.65	14.90	21.07	21.26	21.18	22.50
3GPP Rel 6	HSUPA Subtest-1	15.00	15.04	15.08	16.40	22.55	22.71	22.61	24.00
3GPP Rel 6	HSUPA Subtest-2	13.15	13.22	13.23	14.40	20.84	20.88	20.76	22.00
3GPP Rel 6	HSUPA Subtest-3	14.18	14.15	14.22	15.40	21.49	21.66	21.63	23.00
3GPP Rel 6	HSUPA Subtest-4	13.09	13.13	13.20	14.40	20.64	20.84	20.59	22.00
3GPP Rel 6	HSUPA Subtest-5	15.08	15.13	15.01	16.40	22.50	22.70	22.57	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.61	12.74	12.60	13.90	20.23	20.28	20.20	21.50

Band 2 Ant 0												
BW (MHz)	Modulation	RIS Size	RF Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup time (sec)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	14.93	14.96	14.99			16	0		
20	QPSK	1	49	14.93	14.96	14.99						
20	QPSK	1	99	14.88	14.90	14.93			16	0		
20	QPSK	50	0	14.81	14.88	14.84						
20	QPSK	50	24	14.81	14.87	14.93			16	0		
20	QPSK	50	50	14.72	14.74	14.82						
20	QPSK	100	0	14.76	14.80	14.73			16	0		
20	16QAM	50	0	14.85	14.86	14.87						
20	16QAM	1	49	14.81	14.82	14.83			16	0		
20	16QAM	50	0	14.73	14.81	14.89						
20	16QAM	50	24	14.70	14.72	14.75			16	0		
20	16QAM	50	50	14.61	14.67	14.77						
20	16QAM	100	0	14.64	14.72	14.89			16	0		
20	84QAM	1	0	14.87	14.88	14.77						
20	84QAM	1	49	14.75	14.79	14.70			16	0		
20	84QAM	50	99	14.84	14.84	14.79						
20	84QAM	50	0	14.66	14.70	14.77			16	0		
20	84QAM	50	24	14.76	14.81	14.89						
20	84QAM	50	50	14.63	14.70	14.86			16	0		
20	84QAM	100	0	14.60	14.64	14.63						
20	256QAM	1	49	14.87	14.85	14.89			16	0		
20	256QAM	1	99	14.80	14.82	14.73						
20	256QAM	50	0	14.76	14.87	14.74			16	0		
20	256QAM	50	24	14.64	14.67	14.79						
20	256QAM	50	50	14.68	14.60	14.66			16	0		
20	256QAM	100	0	14.65	14.69	14.70						
Channel												
Frequency (MHz)												
16	QPSK	1	0	14.82	14.82	14.76			16	0		
16	QPSK	1	37	14.88	14.81	14.81						
16	QPSK	1	74	14.76	14.78	14.75			16	0		
16	QPSK	36	0	14.68	14.82	14.72						
16	QPSK	36	25	14.76	14.68	14.71			16	0		
16	QPSK	36	39	14.63	14.61	14.69						
16	QPSK	75	0	14.63	14.67	14.67			16	0		
16	16QAM	1	74	14.80	14.78	14.72						
16	16QAM	1	37	14.74	14.70	14.73			16	0		
16	16QAM	1	74	14.67	14.67	14.74						
16	16QAM	36	0	14.63	14.68	14.63			16	0		
16	16QAM	36	20	14.67	14.51	14.49						
16	16QAM	36	25	14.60	14.68	14.61			16	0		
16	16QAM	75	0	14.50	14.68	14.61						
16	84QAM	1	0	14.75	14.82	14.82			16	0		
16	84QAM	1	37	14.80	14.69	14.67						
16	84QAM	1	74	14.67	14.67	14.74			16	0		
16	84QAM	36	0	14.61	14.72	14.66						
16	84QAM	36	25	14.66	14.63	14.64			16	0		
16	84QAM	36	39	14.50	14.65	14.55						
16	84QAM	75	0	14.65	14.68	14.56			16	0		
16	256QAM	1	74	14.67	14.67	14.74						
16	256QAM	1	37	14.82	14.75	14.59			16	0		
16	256QAM	1	74	14.66	14.67	14.67						
16	256QAM	36	0	14.66	14.66	14.66			16	0		
16	256QAM	36	20	14.53	14.52	14.60						
16	256QAM	36	39	14.54	14.64	14.54			16	0		
16	256QAM	75	0	14.40	14.63	14.53						
Channel												
Frequency (MHz)												
18	QPSK	1	0	14.94	14.92	14.78			16	0		
18	QPSK	1	26	14.76	14.81	14.72						
18	QPSK	1	49	14.77	14.75	14.80			16	0		
18	QPSK	25	0	14.71	14.76	14.79						
18	QPSK	25	12	14.70	14.72	14.75			16	0		
18	QPSK	25	26	14.60	14.60	14.77						
18	16QAM	50	0	14.77	14.80	14.82			16	0		
18	16QAM	1	0	14.80	14.85	14.79						
18	16QAM	1	26	14.71	14.77	14.71			16	0		
18	16QAM	1	49	14.63	14.78	14.74						
18	16QAM	25	0	14.59	14.65	14.53			16	0		
18	16QAM	25	12	14.60	14.60	14.66						
18	16QAM	25	26	14.63	14.58	14.73			16	0		
18	16QAM	50	0	14.57	14.59	14.60						
18	84QAM	1	0	14.81	14.75	14.68			16	0		
18	84QAM	1	26	14.62	14.63	14.65						
18	84QAM	1	49	14.78	14.67	14.73			16	0		
18	84QAM	25	0	14.61	14.75	14.69						
18	84QAM	25	12	14.67	14.67	14.70			16	0		
18	84QAM	25	26	14.54	14.63	14.62						
18	84QAM	50	0	14.54	14.55	14.54			16	0		
18	256QAM	1	49	14.65	14.71	14.66						
18	256QAM	1	26	14.72	14.70	14.62			16	0		
18	256QAM	1	49	14.70	14.66	14.69						
18	256QAM	25	0	14.56	14.60	14.61			16	0		
18	256QAM	25	12	14.61	14.52	14.76						
18	256QAM	25	26	14.58	14.63	14.61			16	0		
18	256QAM	50	0	14.51	14.65	14.65						
Channel												
Frequency (MHz)												
5	QPSK	1	0	14.79	14.89	14.79			16	0		
5	QPSK	1	12	14.76	14.85	14.74						
5	QPSK	1	24	14.77	14.82	14.77			16	0		
5	QPSK	12	0	14.74	14.84	14.68						
5	QPSK	12	7	14.65	14.72	14.70			16	0		
5	QPSK	12	14	14.62	14.70	14.67						
5	QPSK	25	0	14.62	14.64	14.66			16	0		
5	QPSK	25	7	14.60	14.77	14.67						
5	QPSK	25	14	14.58	14.69	14.63			16	0		
5	16QAM	1	24	14.60	14.76	14.71						
5	16QAM	12	0	14.62	14.70	14.58			16	0		
5	16QAM	12	7	14.59	14.68	14.61						
5	16QAM	12	13	14.50	14.55	14.69			16	0		
5	16QAM	25	0	14.61	14.69	14.61						
5	16QAM	25	7	14.61	14.61	14.61			16	0		
5	16QAM	12	19	14.50	14.50	14.50						
5	16QAM	12	19	14.50	14.50	14.50			16	0		
5	16QAM	12	27	14.67	14.67	14.67						
5	16QAM	12	27	14.49	14.75	14.58			16	0		
5	16QAM	12	37	14.68	14.47	14.64						
5	256QAM	1	0	14.65	14.50	14.50			16	0		
5	256QAM	1	7	14.77	14.73	14.73						
5	256QAM	1	14	14.67	14.69	14.75			16	0		
5	256QAM	1	24	14.76	14.77	14.70						
5	256QAM	12	0	14.64	14.69	14.64			16	0		
5	256QAM	12	7	14.62	14.63	14.63						
5	256QAM	12	13	14.62	14.50	14.59			16	0		
5	256QAM	25	0	14.51	14.58	14.68						
Channel												
Frequency (MHz)												
3	QPSK	1	0	14.79	14.84	14.84			16	0		
3	QPSK	1	8	14.76	14.83	14.77						
3	QPSK	1	14	14.63	14.80	14.67			16	0		
3	QPSK	8	0	14.65	14.75	14.77						
3	QPSK	8	4	14.70	14.61	14.67			16	0		
3	QPSK	8	7	14.68	14.65	14.72						
3	QPSK	16	0	14.59	14.67	14.69			16	0		
3	16QAM	1	0	14.81	14.86	14.70						
3	16QAM	1	8	14.74	14.68	14.73			16	0		
3	16QAM	1	14	14.65	14.69	14.69						
3	16QAM	8	0	14.62	14.64	14.64			16	0		
3	16QAM	8	4	14.55	14.57	14.69						
3	16QAM	8	7	14.49	14.61	14.69			16	0		
3	16QAM	16	0	14.51	14.61	14.55						
3	84QAM	1	0	14.83	14.81	14.68			16	0		
3	84QAM	1	8	14.71	14.65	14.64						
3	84QAM	1	14	14.70	14.69	14.70			16	0		
3	84QAM	8	0	14.63	14.67	14.68						
3	84QAM	8	4	14.59	14.64	14.63			16	0		
3	84QAM	8	7	14.66	14.53	14.52						
3	256QAM	1	0	14.75	14.78	14.71			16	0		
3	256QAM	1	8	14.71	14.71	14.53						
3	256QAM	1	14	14.76	14.78	14.62			16	0		
3	256QAM	8	0	14.68	14.64	14.65						
3	256QAM	8	4	14.50	14.55	14.66			16	0		
3	256QAM	8	7	14.59	14.49	14.63						
3	256QAM	16	0	14.55	14.57	14.59			16	0		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	14.65	14.67	14.75			16	0		
1.4	QPSK	1	3	14.77	14.83	14.77						
1.4	QPSK	1	5	14.77	14.73	14.77			16	0		
1.4	QPSK	3	0	14.65	14.75	14.77						
1.4	QPSK	3	1	14.74	14.66	14.67			16	0		
1.4	QPSK	3	3	14.64	14.62	14.76						
1.4	16QAM	1	0	14.58	14.59	14.61			16	0		
1.4	16QAM	1	3	14.73	14.75	14.69						
1.4	16QAM	3	0	14.61	14.66	14.61			16	0		
1.4	16QAM	3	1	14.61	14.60	14.60						
1.4	16QAM	6	0	14.53	14.55	14.66			16	0		
1.4	16QAM	6	0	14.57	14.71	14.72						
1.4	16QAM	1	0	14.62	14.81	14.72			16	0		
1.4	16QAM	1	3	14.72	14.71	1						

Band 5 Ant 1											
BW [MHz]	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)				829	836.5	844					
10	QPSK	1	0	21.60	21.69	21.63	23	0			
10	QPSK	1	25	21.42	21.58	21.52					
10	QPSK	1	49	21.50	21.49	21.48					
10	QPSK	25	0	20.65	20.71	20.60	22	1			
10	QPSK	25	12	20.42	20.56	20.53					
10	QPSK	25	25	20.48	20.47	20.50					
10	QPSK	50	0	20.45	20.61	20.56	22	1			
10	16QAM	1	0	20.61	20.66	20.47					
10	16QAM	1	25	20.33	20.51	20.46					
10	16QAM	1	49	20.43	20.38	20.38	21	2			
10	16QAM	25	0	19.65	19.69	19.63					
10	16QAM	25	12	19.43	19.56	19.55					
10	16QAM	25	25	19.48	19.42	19.54	21	2			
10	16QAM	50	0	19.45	19.65	19.60					
10	64QAM	1	0	19.59	19.65	19.50					
10	64QAM	1	25	19.34	19.55	19.51	21	2			
10	64QAM	1	49	19.41	19.43	19.43					
10	64QAM	25	0	18.65	18.74	18.59					
10	64QAM	25	12	18.39	18.53	18.50	20	3			
10	64QAM	25	25	18.53	18.44	18.53					
10	64QAM	50	0	18.50	18.63	18.55					
10	256QAM	1	0	17.67	17.64	17.62	18	5			
10	256QAM	1	25	17.38	17.59	17.46					
10	256QAM	1	49	17.52	17.39	17.50					
10	256QAM	25	0	17.42	17.63	17.57	18	5			
10	256QAM	25	12	17.66	17.70	17.41					
10	256QAM	25	25	17.38	17.48	17.61					
10	256QAM	50	0	17.43	17.35	17.48					
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	21.51	21.62	21.58	23	0			
5	QPSK	1	12	21.38	21.47	21.51					
5	QPSK	1	24	21.48	21.47	21.39					
5	QPSK	12	0	20.63	20.67	20.54	22	1			
5	QPSK	12	7	20.40	20.54	20.49					
5	QPSK	12	13	20.39	20.41	20.46					
5	QPSK	25	0	20.40	20.51	20.47	22	1			
5	16QAM	1	0	20.58	20.64	20.36					
5	16QAM	1	12	20.30	20.45	20.36					
5	16QAM	1	24	20.38	20.32	20.37	21	2			
5	16QAM	12	0	19.60	19.61	19.61					
5	16QAM	12	7	19.34	19.54	19.53					
5	16QAM	12	13	19.40	19.38	19.53	21	2			
5	16QAM	25	0	19.36	19.62	19.51					
5	64QAM	1	0	19.50	19.60	19.40					
5	64QAM	1	12	19.30	19.45	19.44	21	2			
5	64QAM	1	24	19.33	19.42	19.41					
5	64QAM	12	0	18.62	18.72	18.58					
5	64QAM	12	7	18.36	18.47	18.43	20	3			
5	64QAM	12	13	18.44	18.36	18.47					
5	64QAM	25	0	18.42	18.54	18.54					
5	256QAM	1	0	17.62	17.71	17.59	18	5			
5	256QAM	1	12	17.47	17.57	17.60					
5	256QAM	1	24	17.46	17.44	17.58					
5	256QAM	12	0	17.51	17.59	17.51	18	5			
5	256QAM	12	7	17.58	17.60	17.55					
5	256QAM	12	13	17.27	17.50	17.54					
5	256QAM	25	0	17.43	17.43	17.41					
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	21.55	21.64	21.53	23	0			
3	QPSK	1	8	21.36	21.54	21.50					
3	QPSK	1	14	21.40	21.43	21.43					
3	QPSK	8	0	20.56	20.64	20.56	22	1			
3	QPSK	8	4	20.34	20.55	20.47					
3	QPSK	8	7	20.38	20.39	20.47					
3	QPSK	15	0	20.43	20.52	20.54	22	1			
3	16QAM	1	0	20.55	20.65	20.38					
3	16QAM	1	8	20.32	20.45	20.41					
3	16QAM	1	14	20.42	20.34	20.34	21	2			
3	16QAM	8	0	19.60	19.67	19.54					
3	16QAM	8	4	19.34	19.49	19.44					
3	16QAM	8	7	19.41	19.39	19.52	21	2			
3	16QAM	15	0	19.41	19.57	19.50					
3	64QAM	1	0	19.54	19.62	19.42					
3	64QAM	1	8	19.33	19.52	19.42	21	2			
3	64QAM	1	14	19.34	19.38	19.34					
3	64QAM	8	0	18.54	18.66	18.51					
3	64QAM	8	4	18.37	18.44	18.44	20	3			
3	64QAM	8	7	18.52	18.34	18.46					
3	64QAM	15	0	18.42	18.59	18.50					
3	256QAM	1	0	17.73	17.65	17.72	18	5			
3	256QAM	1	8	17.34	17.58	17.47					
3	256QAM	1	14	17.47	17.33	17.59					
3	256QAM	8	0	17.46	17.65	17.57	18	5			
3	256QAM	8	4	17.64	17.57	17.44					
3	256QAM	8	7	17.38	17.56	17.51					
3	256QAM	15	0	17.38	17.39	17.35					
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	21.50	21.60	21.58	23	0			
1.4	QPSK	1	3	21.36	21.49	21.51					
1.4	QPSK	1	5	21.48	21.47	21.37					
1.4	QPSK	3	0	21.44	21.58	21.51	22	1			
1.4	QPSK	3	1	21.31	21.40	21.44					
1.4	QPSK	3	3	21.42	21.40	21.34					
1.4	QPSK	6	0	20.41	20.52	20.46	22	1			
1.4	16QAM	1	0	20.56	20.62	20.43					
1.4	16QAM	1	3	20.29	20.44	20.41					
1.4	16QAM	1	5	20.35	20.33	20.35	22	1			
1.4	16QAM	3	0	20.48	20.60	20.40					
1.4	16QAM	3	1	20.19	20.36	20.34					
1.4	16QAM	3	3	20.33	20.27	20.34	21	2			
1.4	16QAM	6	0	19.39	19.59	19.54					
1.4	64QAM	1	0	19.57	19.60	19.39					
1.4	64QAM	1	3	19.28	19.48	19.49	21	2			
1.4	64QAM	1	5	19.39	19.34	19.41					
1.4	64QAM	3	0	19.49	19.53	19.34					
1.4	64QAM	3	1	19.18	19.43	19.40	20	3			
1.4	64QAM	3	3	19.37	19.28	19.34					
1.4	64QAM	6	0	18.42	18.59	18.52					
1.4	256QAM	1	0	17.72	17.76	17.56	18	5			
1.4	256QAM	1	3	17.49	17.65	17.53					
1.4	256QAM	1	5	17.42	17.51	17.54					
1.4	256QAM	3	0	17.39	17.57	17.60					
1.4	256QAM	3	1	17.68	17.59	17.56	18	5			
1.4	256QAM	3	3	17.33	17.58	17.54					
1.4	256QAM	6	0	17.36	17.45	17.36					

Band 7 Ant 1									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	13.89	13.95	13.92	15.1	0	
20	QPSK	1	49	13.69	13.84	13.91			
20	QPSK	1	99	13.77	13.79	13.67			
20	QPSK	50	0	13.85	13.90	13.81	15.1	0	
20	QPSK	50	24	13.81	13.86	13.73			
20	QPSK	50	50	13.68	13.75	13.66			
20	QPSK	100	0	13.84	13.88	13.86	15.1	0	
20	16QAM	1	0	13.79	13.82	13.83			
20	16QAM	1	49	13.62	13.77	13.67			
20	16QAM	1	99	13.82	13.79	13.78	15.1	0	
20	16QAM	50	0	13.84	13.83	13.79			
20	16QAM	50	24	13.70	13.76	13.75			
20	16QAM	50	50	13.85	13.86	13.84	15.1	0	
20	16QAM	100	0	13.67	13.83	13.80			
20	64QAM	1	0	13.40	13.56	13.59			
20	64QAM	1	49	13.57	13.62	13.64	15.1	0	
20	64QAM	1	99	13.70	13.71	13.68			
20	64QAM	50	0	13.86	13.86	13.80			
20	64QAM	50	24	13.73	13.67	13.68	15.1	0	
20	64QAM	50	50	13.80	13.83	13.87			
20	64QAM	100	0	13.86	13.86	13.75			
20	256QAM	1	0	13.82	13.92	13.76	15.1	0	
20	256QAM	1	49	13.77	13.88	13.90			
20	256QAM	1	99	13.76	13.85	13.80			
20	256QAM	50	0	13.87	13.84	13.68	15.1	0	
20	256QAM	50	24	13.76	13.91	13.86			
20	256QAM	50	50	13.85	13.82	13.79			
20	256QAM	100	0	13.82	13.81	13.77			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.80	13.88	13.77	15.1	0	
15	QPSK	1	37	13.60	13.74	13.87			
15	QPSK	1	74	13.68	13.75	13.54			
15	QPSK	36	0	13.72	13.86	13.77	15.1	0	
15	QPSK	36	20	13.67	13.71	13.67			
15	QPSK	36	39	13.65	13.63	13.54			
15	QPSK	75	0	13.80	13.80	13.75	15.1	0	
15	16QAM	1	0	13.81	13.78	13.71			
15	16QAM	1	37	13.68	13.67	13.78			
15	16QAM	1	74	13.61	13.74	13.72	15.1	0	
15	16QAM	36	0	13.64	13.65	13.52			
15	16QAM	36	20	13.58	13.60	13.71			
15	16QAM	36	39	13.57	13.61	13.67	15.1	0	
15	16QAM	75	0	13.54	13.67	13.61			
15	64QAM	1	0	13.76	13.78	13.68			
15	64QAM	1	37	13.64	13.72	13.66	15.1	0	
15	64QAM	1	74	13.77	13.73	13.75			
15	64QAM	36	0	13.56	13.75	13.64			
15	64QAM	36	20	13.66	13.52	13.57	15.1	0	
15	64QAM	36	39	13.58	13.53	13.61			
15	64QAM	75	0	13.48	13.53	13.51			
15	256QAM	1	0	13.65	13.71	13.75	15.1	0	
15	256QAM	1	37	13.76	13.71	13.52			
15	256QAM	1	74	13.66	13.72	13.58			
15	256QAM	36	0	13.74	13.59	13.64	15.1	0	
15	256QAM	36	20	13.57	13.55	13.72			
15	256QAM	36	39	13.58	13.53	13.55			
15	256QAM	75	0	13.57	13.63	13.64			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.75	13.84	13.78	15.1	0	
10	QPSK	1	25	13.64	13.68	13.84			
10	QPSK	1	49	13.61	13.74	13.60			
10	QPSK	25	0	13.80	13.81	13.71	15.1	0	
10	QPSK	25	12	13.77	13.76	13.64			
10	QPSK	25	25	13.55	13.67	13.55			
10	QPSK	50	0	13.75	13.78	13.75	15.1	0	
10	16QAM	1	0	13.80	13.86	13.74			
10	16QAM	1	25	13.69	13.73	13.68			
10	16QAM	1	49	13.60	13.80	13.66	15.1	0	
10	16QAM	25	0	13.59	13.69	13.52			
10	16QAM	25	12	13.65	13.60	13.65			
10	16QAM	50	0	13.54	13.69	13.64	15.1	0	
10	64QAM	1	0	13.62	13.79	13.70			
10	64QAM	1	25	13.69	13.74	13.58			
10	64QAM	1	49	13.73	13.75	13.70	15.1	0	
10	64QAM	25	0	13.50	13.67	13.68			
10	64QAM	25	12	13.67	13.48	13.63			
10	64QAM	25	25	13.60	13.55	13.49	15.1	0	
10	64QAM	50	0	13.44	13.49	13.47			
10	256QAM	1	0	13.69	13.73	13.73			
10	256QAM	1	25	13.81	13.75	13.54	15.1	0	
10	256QAM	1	49	13.75	13.74	13.63			
10	256QAM	25	0	13.71	13.60	13.64			
10	256QAM	25	12	13.57	13.55	13.67	15.1	0	
10	256QAM	25	25	13.58	13.49	13.56			
10	256QAM	50	0	13.60	13.55	13.65			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.79	13.90	13.78	15.1	0	
5	QPSK	1	12	13.54	13.77	13.86			
5	QPSK	1	24	13.74	13.71	13.64			
5	QPSK	12	0	13.68	13.85	13.74	15.1	0	
5	QPSK	12	7	13.66	13.82	13.64			
5	QPSK	12	13	13.65	13.69	13.62			
5	QPSK	25	0	13.71	13.76	13.72	15.1	0	
5	16QAM	1	0	13.71	13.88	13.68			
5	16QAM	1	12	13.68	13.70	13.75			
5	16QAM	1	24	13.70	13.76	13.72	15.1	0	
5	16QAM	12	0	13.69	13.73	13.59			
5	16QAM	12	7	13.58	13.59	13.67			
5	16QAM	12	13	13.52	13.54	13.62	15.1	0	
5	16QAM	25	0	13.57	13.62	13.60			
5	64QAM	1	0	13.82	13.85	13.66			
5	64QAM	1	12	13.71	13.74	13.53	15.1	0	
5	64QAM	1	24	13.77	13.75	13.72			
5	64QAM	12	0	13.54	13.75	13.69			
5	64QAM	12	7	13.64	13.54	13.52	15.1	0	
5	64QAM	12	13	13.49	13.57	13.54			
5	64QAM	25	0	13.44	13.50	13.56			
5	256QAM	1	0	13.69	13.76	13.69	15.1	0	
5	256QAM	1	12	13.83	13.71	13.60			
5	256QAM	1	24	13.67	13.75	13.60			
5	256QAM	12	0	13.65	13.60	13.62	15.1	0	
5	256QAM	12	7	13.54	13.52	13.70			
5	256QAM	12	13	13.57	13.55	13.61			
5	256QAM	25	0	13.50	13.59	13.57			



Band 41 Ant 1												
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch 1/Freq	Power Low-Mid Ch 1/Freq	Power Mid-High Ch 1/Freq	Power High Ch 1/Freq	Power High Ch 2/Freq	Turn-on time (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39735	40173	40620	41058	41495				
20	QPSK	1	0	16.25	16.29	16.37	16.29	16.27				
20	QPSK	1	49	16.19	16.24	16.32	16.19	16.20	17.4	0		
20	QPSK	1	99	16.20	16.25	16.29	16.24	16.17				
20	QPSK	50	0	16.16	16.26	16.35	16.26	16.17				
20	QPSK	50	24	16.18	16.20	16.28	16.20	16.17	17.4	0		
20	QPSK	100	0	16.16	16.19	16.27	16.20	16.20				
20	QPSK	100	0	16.15	16.16	16.23	16.20	16.20				
20	16QAM	1	0	16.19	16.24	16.34	16.25	16.23				
20	16QAM	1	49	16.14	16.22	16.32	16.26	16.17	17.4	0		
20	16QAM	1	99	16.19	16.19	16.27	16.20	16.20				
20	16QAM	50	0	16.14	16.18	16.30	16.19	16.18				
20	16QAM	50	24	16.15	16.16	16.30	16.25	16.19	17.4	0		
20	16QAM	100	0	16.15	16.18	16.30	16.22	16.19				
20	16QAM	100	0	16.17	16.26	16.32	16.27	16.15				
20	64QAM	1	0	16.16	16.17	16.26	16.20	16.18				
20	64QAM	1	49	16.22	16.22	16.34	16.18	16.23				
20	64QAM	1	99	16.21	16.21	16.25	16.20	16.17				
20	64QAM	50	0	16.23	16.26	16.25	16.20	16.20				
20	64QAM	50	24	16.15	16.25	16.32	16.22	16.23	17.4	0		
20	64QAM	100	0	16.19	16.18	16.30	16.22	16.16				
20	256QAM	1	0	16.22	16.19	16.27	16.23	16.17				
20	256QAM	1	49	16.21	16.23	16.32	16.23	16.21				
20	256QAM	1	99	16.19	16.21	16.28	16.21	16.25				
20	256QAM	50	0	16.21	16.19	16.29	16.23	16.22				
20	256QAM	50	24	16.15	16.23	16.27	16.18	16.17	17.4	0		
20	256QAM	100	0	16.22	16.20	16.27	16.23	16.20				
20	256QAM	100	0	16.14	16.23	16.30	16.22	16.19				
Channel												
Frequency (MHz)				39725	40173	40630	41086	41615	Turn-on time (dBm)	MPR (dB)		
15	QPSK	1	0	16.23	16.13	16.14	16.23	16.15				
15	QPSK	1	37	16.12	16.15	16.28	16.16	16.12	17.4	0		
15	QPSK	1	74	16.15	16.14	16.26	16.13	16.12				
15	QPSK	36	1	16.12	16.22	16.27	16.14	16.16				
15	QPSK	36	20	16.16	16.12	16.26	16.18	16.06				
15	QPSK	36	39	16.07	16.08	16.23	16.19	16.18				
15	QPSK	75	0	16.08	16.14	16.26	16.11	16.15				
15	16QAM	1	0	16.10	16.11	16.30	16.15	16.14	17.4	0		
15	16QAM	1	37	16.05	16.17	16.22	16.21	16.09				
15	16QAM	1	74	16.17	16.10	16.21	16.13	16.16				
15	16QAM	36	1	16.11	16.15	16.26	16.15	16.13				
15	16QAM	36	20	16.15	16.11	16.22	16.15	16.11				
15	16QAM	36	39	16.06	16.14	16.27	16.14	16.08				
15	16QAM	75	0	16.11	16.18	16.19	16.21	16.09				
15	64QAM	1	0	16.07	16.07	16.15	16.04	16.06	17.4	0		
15	64QAM	1	37	16.16	16.11	16.27	16.15	16.20				
15	64QAM	1	74	16.14	16.10	16.26	16.16	16.21				
15	64QAM	36	1	16.15	16.13	16.23	16.22	16.11				
15	64QAM	36	20	16.10	16.22	16.28	16.17	16.13	17.4	0		
15	64QAM	36	39	16.11	16.15	16.26	16.18	16.05				
15	64QAM	75	0	16.09	16.24	16.27	16.17	16.09				
15	256QAM	1	0	16.18	16.08	16.18	16.18	16.07				
15	256QAM	1	37	16.15	16.15	16.29	16.11	16.16	17.4	0		
15	256QAM	1	74	16.16	16.11	16.18	16.10	16.22				
15	256QAM	36	1	16.19	16.14	16.25	16.15	16.14				
15	256QAM	36	20	16.03	16.11	16.18	16.10	16.13	17.4	0		
15	256QAM	36	39	16.18	16.07	16.23	16.16	16.10				
15	256QAM	75	0	16.08	16.19	16.31	16.17	16.11				
Channel												
Frequency (MHz)				40000 <th>41060<th>41600<th>41610<th>41610</th><th>Turn-on time (dBm)</th><th>MPR (dB)</th><th></th><th></th></th></th></th>	41060 <th>41600<th>41610<th>41610</th><th>Turn-on time (dBm)</th><th>MPR (dB)</th><th></th><th></th></th></th>	41600 <th>41610<th>41610</th><th>Turn-on time (dBm)</th><th>MPR (dB)</th><th></th><th></th></th>	41610 <th>41610</th> <th>Turn-on time (dBm)</th> <th>MPR (dB)</th> <th></th> <th></th>	41610	Turn-on time (dBm)	MPR (dB)		
15	QPSK	1	0	20.21	20.47	20.93	20.9	20.65				
15	QPSK	1	20	16.21	16.18	16.30	16.23	16.20				
15	QPSK	1	26	16.12	16.20	16.24	16.16	16.18				
15	QPSK	1	49	16.17	16.21	16.17	16.21	16.08				
15	QPSK	25	0	16.11	16.16	16.26	16.21	16.12				
15	QPSK	25	12	16.08	16.14	16.22	16.14	16.15				
15	QPSK	25	19	16.10	16.11	16.16	16.16	16.17				
15	QPSK	50	0	16.09	16.15	16.22	16.16	16.12				
15	16QAM	1	0	16.09	16.16	16.23	16.16	16.14				
15	16QAM	1	26	16.04	16.20	16.28	16.16	16.13	17.4	0		
15	16QAM	1	49	16.11	16.07	16.23	16.18	16.15				
15	16QAM	25	0	16.09	16.16	16.27	16.17	16.07				
15	16QAM	25	12	16.14	16.13	16.22	16.23	16.09				
15	16QAM	25	19	16.11	16.09	16.27	16.12	16.09	17.4	0		
15	16QAM	50	0	16.03	16.15	16.24	16.22	16.20				
15	16QAM	1	0	16.07	16.12	16.20	16.10	16.12				
15	64QAM	1	26	16.19	16.20	16.24	16.16	16.11				
15	64QAM	1	49	16.13	16.13	16.23	16.09	16.12				
15	64QAM	25	0	16.17	16.21	16.13	16.22	16.08				
15	64QAM	25	12	16.09	16.19	16.26	16.15	16.16	17.4	0		
15	64QAM	25	19	16.08	16.13	16.26	16.17	16.09				
15	64QAM	50	0	16.12	16.24	16.20	16.24	16.05				
15	256QAM	1	0	16.16	16.14	16.15	16.15	16.13				
15	256QAM	1	26	16.17	16.16	16.27	16.16	16.16				
15	256QAM	1	49	16.13	16.16	16.20	16.09	16.14				
15	256QAM	25	0	16.19	16.14	16.25	16.13	16.17				
15	256QAM	25	12	16.06	16.14	16.25	16.15	16.07	17.4	0		
15	256QAM	25	19	16.15	16.11	16.17	16.24	16.10				
15	256QAM	50	0	16.06	16.17	16.28	16.15	16.07				
Channel												
Frequency (MHz)				39675	40168	40620	41060	41595	Turn-on time (dBm)	MPR (dB)		
5	QPSK	1	0	16.22	16.25	16.34	16.17	16.25				
5	QPSK	1	12	16.14	16.17	16.26	16.16	16.15	17.4	0		
5	QPSK	1	24	16.10	16.21	16.23	16.12	16.16				
5	QPSK	12	0	16.13	16.23	16.24	16.19	16.14				
5	QPSK	12	7	16.10	16.09	16.22	16.14	16.10				
5	QPSK	12	13	16.13	16.15	16.22	16.18	16.21				
5	QPSK	12	19	16.09	16.15	16.22	16.11	16.07				
5	16QAM	1	0	16.12	16.12	16.23	16.17	16.12				
5	16QAM	1	12	16.05	16.12	16.20	16.15	16.15	17.4	0		
5	16QAM	1	24	16.12	16.15	16.23	16.16	16.15				
5	16QAM	12	0	16.07	16.11	16.28	16.08	16.07				
5	16QAM	12	7	16.13	16.14	16.25	16.21	16.15				
5	16QAM	12	13	16.02	16.09	16.19	16.21	16.08	17.4	0		
5	16QAM	12	19	16.06	16.15	16.22	16.24	16.18				
5	64QAM	1	0	16.04	16.12	16.24	16.09	16.14				
5	64QAM	1	12	16.11	16.10	16.27	16.10	16.19				
5	64QAM	1	24	16.18	16.17	16.16	16.16	16.06				
5	64QAM	12	0	16.17	16.22	16.17	16.18	16.11				
5	64QAM	12	7	16.11	16.22	16.23	16.11	16.18	17.4	0		
5	64QAM	12	13	16.16	16.11	16.26	16.15	16.16				
5	256QAM	1	0	16.06	16.10	16.27	16.21	16.05				
5	256QAM	1	0	16.14	16.15	16.16	16.16	16.10				
5	256QAM	1	12	16.10	16.16	16.21	16.17	16.15				
5	256QAM	1	24	16.16	16.17	16.22	16.12	16.16	17.4	0		
5	256QAM	12	0	16.11	16.10	16.25	16.16	16.16				
5	256QAM	12	7	16.11	16.17	16.18	16.08	16.13	17.4	0		
5	256QAM	12	13	16.14	16.16	16.18	16.03	16.15				
5	256QAM	12	19	16.14	16.29	16.10	16.08	16.10				

Band 41 HPUE Ant 1												
BW (MHz)	Modulation	RBI Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power Power Mid Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPE (dB)		
Channel												
Frequency (MHz)				39150	40150	40650	41650	41950				
0	QPSK	1	0	17.76	17.83	17.89	17.81	17.79				
20	QPSK	1	49	17.73	17.74	17.85	17.65	17.70	19	0		
40	QPSK	1	99	17.71	17.79	17.74	17.73	17.69				
60	QPSK	50	0	17.68	17.60	17.86	17.77	17.71				
80	QPSK	50	24	17.68	17.75	17.83	17.68	17.65	19	0		
100	QPSK	50	50	17.64	17.71	17.79	17.71	17.77				
120	QPSK	100	100	17.61	17.72	17.73	17.74	17.72				
140	16QAM	1	0	17.65	17.71	17.86	17.78	17.74				
160	16QAM	1	49	17.61	17.74	17.85	17.74	17.66	19	0		
180	16QAM	1	99	17.70	17.68	17.79	17.75	17.69				
200	16QAM	50	0	17.63	17.65	17.80	17.72	17.67				
220	16QAM	50	24	17.70	17.72	17.80	17.73	17.73	19	0		
240	16QAM	50	50	17.65	17.68	17.82	17.76	17.67				
260	16QAM	100	0	17.66	17.71	17.77	17.74	17.69				
280	64QAM	1	0	17.68	17.74	17.75	17.73	17.83				
300	64QAM	1	49	17.65	17.72	17.87	17.69	17.73	19	0		
320	64QAM	1	99	17.72	17.76	17.73	17.72	17.64				
340	64QAM	50	0	17.74	17.73	17.76	17.77	17.71				
360	64QAM	50	24	17.68	17.72	17.82	17.70	17.70	19	0		
380	64QAM	50	50	17.67	17.73	17.80	17.71	17.67				
400	64QAM	100	0	17.68	17.74	17.78	17.73	17.68				
420	256QAM	1	0	17.67	17.68	17.81	17.77	17.68				
440	256QAM	1	49	17.74	17.68	17.77	17.75	17.69	19	0		
460	256QAM	1	99	17.73	17.72	17.75	17.73	17.78				
480	256QAM	50	0	17.74	17.66	17.83	17.78	17.67				
500	256QAM	50	24	17.65	17.72	17.74	17.64	17.68				
520	256QAM	50	50	17.68	17.69	17.73	17.62	17.69	19	0		
540	256QAM	100	0	17.63	17.77	17.86	17.75	17.66				
Channel												
Frequency (MHz)				39125	40125	40625	41606	41915	Turn-on time (dBm)	MPE (dB)		
15	QPSK	1	0	17.72	17.83	17.83	17.73	17.74	Turn-on time (dBm)	MPE (dB)		
15	QPSK	1	37	17.69	17.72	17.79	17.58	17.60	19.00	0		
15	QPSK	1	74	17.64	17.76	17.79	17.62	17.60				
15	QPSK	36	0	17.62	17.77	17.76	17.67	17.67				
15	QPSK	36	20	17.59	17.68	17.75	17.58	17.59				
15	QPSK	36	39	17.53	17.60	17.77	17.62	17.73				
15	QPSK	75	0	17.51	17.66	17.73	17.68	17.68				
15	16QAM	1	0	17.58	17.72	17.78	17.72	17.78				
15	16QAM	1	37	17.51	17.69	17.75	17.71	17.62				
15	16QAM	1	74	17.63	17.69	17.76	17.66	17.62				
15	16QAM	36	0	17.58	17.59	17.71	17.67	17.65				
15	16QAM	36	20	17.55	17.63	17.77	17.71	17.64				
15	16QAM	36	39	17.53	17.57	17.74	17.58	17.56				
15	16QAM	75	0	17.54	17.64	17.74	17.67	17.74				
15	64QAM	1	0	17.56	17.64	17.64	17.70	17.62				
15	64QAM	1	37	17.56	17.70	17.83	17.61	17.61	19	0		
15	64QAM	1	74	17.64	17.65	17.67	17.56	17.56				
15	64QAM	36	0	17.50	17.62	17.70	17.56	17.56				
15	64QAM	36	20	17.58	17.66	17.78	17.63	17.59				
15	64QAM	36	39	17.58	17.68	17.71	17.67	17.60				
15	64QAM	75	0	17.59	17.64	17.71	17.67	17.64				
15	256QAM	1	0	17.64	17.64	17.70	17.68	17.60				
15	256QAM	1	37	17.69	17.56	17.67	17.68	17.60	19	0		
15	256QAM	1	74	17.62	17.69	17.70	17.64	17.65				
15	256QAM	36	0	17.71	17.58	17.75	17.71	17.68				
15	256QAM	36	20	17.55	17.68	17.66	17.58	17.56				
15	256QAM	36	39	17.60	17.61	17.69	17.73	17.59				
15	256QAM	75	0	17.67	17.70	17.78	17.73	17.69				
Channel												
Frequency (MHz)				39100	40100	40600	41600	41900	Turn-on time (dBm)	MPE (dB)		
5	QPSK	1	0	17.66	17.72	17.81	17.73	17.69	Turn-on time (dBm)	MPE (dB)		
5	QPSK	1	36	17.71	17.70	17.81	17.67	17.63	19.00	0		
5	QPSK	1	49	17.61	17.77	17.67	17.80	17.63				
5	QPSK	25	0	17.64	17.73	17.79	17.70	17.67				
5	QPSK	25	12	17.58	17.64	17.73	17.57	17.56	19	0		
5	QPSK	25	25	17.53	17.66	17.69	17.60	17.71				
5	QPSK	50	0	17.51	17.63	17.72	17.63	17.64				
5	16QAM	1	0	17.60	17.77	17.52	17.69	17.69				
5	16QAM	1	36	17.53	17.63	17.76	17.70	17.64	19	0		
5	16QAM	1	49	17.67	17.66	17.70	17.70	17.64				
5	16QAM	25	0	17.52	17.56	17.70	17.63	17.60				
5	16QAM	25	12	17.60	17.61	17.69	17.62	17.59	19	0		
5	16QAM	25	25	17.56	17.56	17.70	17.59	17.59				
5	16QAM	50	0	17.56	17.65	17.70	17.65	17.71				
5	64QAM	1	0	17.59	17.62	17.67	17.62	17.52				
5	64QAM	1	25	17.64	17.62	17.63	17.67	17.63	19	0		
5	64QAM	1	49	17.67	17.66	17.70	17.59	17.55				
5	64QAM	25	0	17.72	17.61	17.70	17.72	17.65				
5	64QAM	25	12	17.58	17.58	17.70	17.70	17.65	19	0		
5	64QAM	25	25	17.53	17.63	17.68	17.63	17.62				
5	64QAM	50	0	17.59	17.71	17.74	17.65	17.63				
5	256QAM	1	0	17.58	17.56	17.70	17.70	17.59				
5	256QAM	1	36	17.66	17.68	17.67	17.71	17.64	19	0		
5	256QAM	1	49	17.68	17.68	17.71	17.62	17.68				
5	256QAM	25	0	17.66	17.68	17.76	17.75	17.57				
5	256QAM	25	12	17.61	17.64	17.65	17.70	17.58	19	0		
5	256QAM	25	25	17.58	17.61	17.69	17.74	17.59				
5	256QAM	50	0	17.53	17.74	17.74	17.72	17.57				
Channel												
Frequency (MHz)				39675	40146	40620	41900	41905	Turn-on time (dBm)	MPE (dB)		
5	QPSK	1	0	17.74	17.77	17.84	17.72	17.78	Turn-on time (dBm)	MPE (dB)		
5	QPSK	1	12	17.61	17.66	17.75	17.59	17.61	19.00	0		
5	QPSK	1	24	17.62	17.69	17.68	17.63	17.58				
5	QPSK	12	0	17.59	17.73	17.81	17.71	17.58				
5	QPSK	12	7	17.64	17.66	17.74	17.60	17.54	19	0		
5	QPSK	12	13	17.60	17.65	17.75	17.63	17.67				
5	QPSK	25	0	17.51	17.67	17.76	17.71	17.64				
5	16QAM	1	0	17.54	17.76	17.75	17.68	17.69				
5	16QAM	1	12	17.50	17.64	17.78	17.71	17.56	19	0		
5	16QAM	1	24	17.62	17.57	17.70	17.61	17.57				
5	16QAM	12	0	17.59	17.58	17.76	17.63	17.57				
5	16QAM	12	7	17.68	17.62	17.76	17.62	17.71	19	0		
5	16QAM	12	13	17.63	17.63	17.74	17.57	17.63				
5	16QAM	25	0	17.56	17.61	17.81	17.70	17.74				
5	64QAM	1	0	17.62	17.60	17.66	17.70	17.60				
5	64QAM	1	12	17.60	17.68	17.85	17.63	17.71	19	0		
5	64QAM	1	24	17.68	17.71	17.65	17.74	17.54				
5	64QAM	12	0	17.67	17.63	17.68	17.65	17.65				
5	64QAM	12	7	17.65	17.65	17.73	17.66	17.65	19	0		
5	64QAM	12	13	17.59	17.61	17.75	17.69	17.64				
5	64QAM	25	0	17.57	17.63	17.67	17.62	17.57				
5	256QAM	1	0	17.61	17.61	17.71	17.69	17.60				
5	256QAM	1	12	17.70	17.59	17.66	17.66	17.55				
5	256QAM	1	24	17.63	17.65	17.70	17.70	17.70	19	0		
5	256QAM	12	0	17.68	17.63	17.72	17.69	17.55				
5	256QAM	12	7	17.66	17.61	17.67	17.60	17.61				
5	256QAM	12	13	17.64	17.61	17.66	17.70	17.52				
5	256QAM	25	0	17.61	17.72	17.78	17.70	17.58	19	0		

Band 42 Part27Q Ant 2									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	16.49	16.65	16.48	18.3	0	
20	QPSK	1	49	16.47	16.50	16.42			
20	QPSK	1	99	16.41	16.46	16.49			
20	QPSK	50	0	16.39	16.49	16.37	18.3	0	
20	QPSK	50	24	16.44	16.47	16.36			
20	QPSK	50	50	16.43	16.41	16.36			
20	QPSK	100	0	16.37	16.38	16.30	18.3	0	
20	16QAM	1	0	16.44	16.45	16.38			
20	16QAM	1	49	16.45	16.45	16.39			
20	16QAM	1	99	16.50	16.36	16.36	18.3	0	
20	16QAM	50	0	16.46	16.35	16.39			
20	16QAM	50	24	16.49	16.40	16.37			
20	16QAM	50	50	16.54	16.34	16.37	18.3	0	
20	16QAM	100	0	16.47	16.35	16.40			
20	64QAM	1	0	16.47	16.41	16.41			
20	64QAM	1	49	16.43	16.45	16.43	18.3	0	
20	64QAM	1	99	16.45	16.44	16.43			
20	64QAM	50	0	16.47	16.39	16.43			
20	64QAM	50	24	16.49	16.42	16.36	18.3	0	
20	64QAM	50	50	16.54	16.43	16.39			
20	64QAM	100	0	16.43	16.41	16.42			
20	256QAM	1	0	16.46	16.42	16.37	18.3	0	
20	256QAM	1	49	16.44	16.44	16.43			
20	256QAM	1	99	16.44	16.44	16.40			
20	256QAM	50	0	16.50	16.33	16.49	18.3	0	
20	256QAM	50	24	16.48	16.36	16.39			
20	256QAM	50	50	16.42	16.41	16.48			
20	256QAM	100	0	16.44	16.39	16.43	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.39	16.58	16.39		18.3	
15	QPSK	1	37	16.35	16.43	16.38			
15	QPSK	1	74	16.39	16.33	16.34			
15	QPSK	36	0	16.38	16.39	16.30	18.3	0	
15	QPSK	36	20	16.30	16.33	16.35			
15	QPSK	36	39	16.36	16.33	16.31			
15	QPSK	75	0	16.33	16.39	16.33	18.3	0	
15	16QAM	1	0	16.31	16.37	16.33			
15	16QAM	1	37	16.35	16.39	16.38			
15	16QAM	1	74	16.36	16.33	16.35	18.3	0	
15	16QAM	36	0	16.36	16.35	16.36			
15	16QAM	36	20	16.43	16.33	16.38			
15	16QAM	36	39	16.41	16.34	16.34	18.3	0	
15	16QAM	75	0	16.44	16.33	16.35			
15	64QAM	1	0	16.35	16.30	16.35			
15	64QAM	1	37	16.36	16.31	16.38	18.3	0	
15	64QAM	1	74	16.37	16.37	16.34			
15	64QAM	36	0	16.41	16.36	16.37			
15	64QAM	36	20	16.34	16.33	16.30	18.3	0	
15	64QAM	36	39	16.48	16.39	16.31			
15	64QAM	75	0	16.39	16.38	16.35			
15	256QAM	1	0	16.43	16.37	16.30	18.3	0	
15	256QAM	1	37	16.39	16.39	16.35			
15	256QAM	1	74	16.38	16.37	16.34			
15	256QAM	36	0	16.41	16.39	16.34	18.3	0	
15	256QAM	36	20	16.40	16.30	16.36			
15	256QAM	36	39	16.38	16.33	16.37			
15	256QAM	75	0	16.34	16.34	16.39	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.33	16.50	16.33		18.3	
10	QPSK	1	25	16.34	16.44	16.37			
10	QPSK	1	49	16.38	16.41	16.44			
10	QPSK	25	0	16.35	16.33	16.31	18.3	0	
10	QPSK	25	12	16.38	16.40	16.39			
10	QPSK	25	25	16.39	16.31	16.37			
10	QPSK	50	0	16.33	16.33	16.39	18.3	0	
10	16QAM	1	0	16.33	16.30	16.33			
10	16QAM	1	25	16.33	16.39	16.33			
10	16QAM	1	49	16.36	16.38	16.33	18.3	0	
10	16QAM	25	0	16.36	16.35	16.34			
10	16QAM	25	12	16.43	16.36	16.33			
10	16QAM	25	25	16.37	16.31	16.34	18.3	0	
10	16QAM	50	0	16.41	16.35	16.39			
10	64QAM	1	0	16.44	16.36	16.37			
10	64QAM	1	25	16.33	16.35	16.36	18.3	0	
10	64QAM	1	49	16.41	16.31	16.33			
10	64QAM	25	0	16.33	16.33	16.40			
10	64QAM	25	12	16.39	16.39	16.31	18.3	0	
10	64QAM	25	25	16.44	16.38	16.35			
10	64QAM	50	0	16.39	16.36	16.37			
10	256QAM	1	0	16.36	16.34	16.31	18.3	0	
10	256QAM	1	25	16.36	16.30	16.37			
10	256QAM	1	49	16.30	16.38	16.31			
10	256QAM	25	0	16.33	16.36	16.34	18.3	0	
10	256QAM	25	12	16.38	16.36	16.36			
10	256QAM	25	25	16.34	16.37	16.36			
10	256QAM	50	0	16.38	16.33	16.33	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3492.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.43	16.49	16.37		18.3	
5	QPSK	1	12	16.34	16.37	16.38			
5	QPSK	1	24	16.37	16.34	16.40			
5	QPSK	12	0	16.33	16.36	16.33	18.3	0	
5	QPSK	12	7	16.41	16.31	16.33			
5	QPSK	12	13	16.33	16.36	16.35			
5	QPSK	25	0	16.39	16.35	16.31	18.3	0	
5	16QAM	1	0	16.33	16.38	16.35			
5	16QAM	1	12	16.36	16.38	16.37			
5	16QAM	1	24	16.37	16.31	16.39	18.3	0	
5	16QAM	12	0	16.36	16.33	16.35			
5	16QAM	12	7	16.44	16.37	16.30			
5	16QAM	12	13	16.43	16.38	16.31	18.3	0	
5	64QAM	1	0	16.36	16.38	16.39			
5	64QAM	1	12	16.38	16.39	16.34			
5	64QAM	1	24	16.35	16.39	16.38	18.3	0	
5	64QAM	12	0	16.37	16.37	16.38			
5	64QAM	12	7	16.38	16.31	16.33			
5	64QAM	12	13	16.43	16.34	16.33	18.3	0	
5	64QAM	25	0	16.30	16.35	16.37			
5	256QAM	1	0	16.43	16.39	16.31	18.3	0	
5	256QAM	1	12	16.38	16.39	16.36			
5	256QAM	1	24	16.33	16.40	16.30			
5	256QAM	12	0	16.47	16.38	16.41	18.3	0	
5	256QAM	12	7	16.45	16.34	16.36			
5	256QAM	12	13	16.37	16.37	16.36			
5	256QAM	25	0	16.36	16.36	16.38	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			

Band 7 Ant 5												
BW [MHz]	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	21350	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	17.92	18.00	17.91	19	0				
20	QPSK	1	49	17.78	17.93	17.82						
20	QPSK	1	99	17.82	17.87	17.73						
20	QPSK	50	0	17.79	17.88	17.74	19	0				
20	QPSK	50	24	17.68	17.81	17.61						
20	QPSK	50	50	17.60	17.76	17.55						
20	QPSK	100	0	17.78	17.79	17.72	19	0				
20	16QAM	1	0	17.60	17.76	17.66						
20	16QAM	1	49	17.60	17.78	17.50						
20	16QAM	1	99	17.76	17.83	17.81	19	0				
20	16QAM	50	0	17.69	17.72	17.68						
20	16QAM	50	24	17.69	17.65	17.64						
20	16QAM	50	50	17.76	17.83	17.78	19	0				
20	16QAM	100	0	17.60	17.72	17.67						
20	64QAM	1	0	17.73	17.78	17.62	19	0				
20	64QAM	1	49	17.69	17.81	17.70						
20	64QAM	1	99	17.63	17.72	17.69						
20	64QAM	50	0	17.62	17.70	17.64	19	0				
20	64QAM	50	24	17.77	17.80	17.70						
20	64QAM	50	50	17.68	17.71	17.60						
20	64QAM	100	0	17.69	17.71	17.63	19	0				
20	256QAM	1	0	17.68	17.89	17.76						
20	256QAM	1	49	17.57	17.84	17.66						
20	256QAM	1	99	17.60	17.67	17.62	19	0				
20	256QAM	50	0	17.82	17.82	17.79						
20	256QAM	50	24	17.70	17.81	17.62						
20	256QAM	50	50	17.59	17.67	17.58	19	0				
20	256QAM	100	0	17.73	17.91	17.68						
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2507.5	2535	2562.5						
15	QPSK	1	0	17.69	17.87	17.68	19	0				
15	QPSK	1	37	17.60	17.69	17.63						
15	QPSK	1	74	17.60	17.77	17.60						
15	QPSK	36	0	17.62	17.78	17.52	19	0				
15	QPSK	36	20	17.57	17.73	17.49						
15	QPSK	36	39	17.50	17.61	17.34						
15	QPSK	75	0	17.66	17.60	17.60	19	0				
15	16QAM	1	0	17.46	17.60	17.42						
15	16QAM	1	37	17.40	17.68	17.37						
15	16QAM	1	74	17.59	17.75	17.57	19	0				
15	16QAM	36	0	17.54	17.63	17.60						
15	16QAM	36	20	17.56	17.45	17.47						
15	16QAM	36	39	17.53	17.67	17.57	19	0				
15	16QAM	75	0	17.38	17.51	17.55						
15	64QAM	1	0	17.54	17.68	17.44						
15	64QAM	1	37	17.56	17.63	17.57	19	0				
15	64QAM	1	74	17.53	17.50	17.46						
15	64QAM	36	0	17.52	17.56	17.56						
15	64QAM	36	20	17.57	17.66	17.47	19	0				
15	64QAM	36	39	17.57	17.48	17.44						
15	64QAM	75	0	17.55	17.50	17.48						
15	256QAM	1	0	17.47	17.69	17.61	19	0				
15	256QAM	1	37	17.38	17.61	17.43						
15	256QAM	1	74	17.46	17.51	17.46						
15	256QAM	36	0	17.62	17.69	17.69	19	0				
15	256QAM	36	20	17.50	17.59	17.43						
15	256QAM	36	39	17.36	17.53	17.36						
15	256QAM	75	0	17.61	17.78	17.57	19	0				
Channel				20800	21100	21400						
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	17.69	17.79	17.73				19	0	
10	QPSK	1	25	17.62	17.72	17.66						
10	QPSK	1	49	17.69	17.63	17.64						
10	QPSK	25	0	17.57	17.71	17.54	19	0				
10	QPSK	25	12	17.56	17.72	17.37						
10	QPSK	25	25	17.39	17.59	17.37						
10	QPSK	50	0	17.65	17.68	17.63	19	0				
10	16QAM	1	0	17.39	17.65	17.48						
10	16QAM	1	25	17.36	17.64	17.27						
10	16QAM	1	49	17.67	17.66	17.59	19	0				
10	16QAM	25	0	17.54	17.56	17.50						
10	16QAM	25	12	17.52	17.45	17.49						
10	16QAM	25	25	17.53	17.60	17.62	19	0				
10	16QAM	50	0	17.46	17.53	17.47						
10	64QAM	1	0	17.62	17.61	17.49						
10	64QAM	1	25	17.59	17.66	17.51	19	0				
10	64QAM	1	49	17.47	17.55	17.57						
10	64QAM	25	0	17.45	17.61	17.54						
10	64QAM	25	12	17.60	17.67	17.58	19	0				
10	64QAM	25	25	17.49	17.54	17.39						
10	64QAM	50	0	17.60	17.51	17.44						
10	256QAM	1	0	17.51	17.81	17.62	19	0				
10	256QAM	1	25	17.44	17.73	17.48						
10	256QAM	1	49	17.44	17.43	17.53						
10	256QAM	25	0	17.60	17.64	17.68	19	0				
10	256QAM	25	12	17.55	17.66	17.49						
10	256QAM	25	25	17.44	17.48	17.47						
10	256QAM	50	0	17.56	17.70	17.45	19	0				
Channel				20775	21100	21425						
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	17.74	17.85	17.80				19	0	
5	QPSK	1	12	17.57	17.79	17.72						
5	QPSK	1	24	17.62	17.77	17.55						
5	QPSK	12	0	17.69	17.74	17.63	19	0				
5	QPSK	12	7	17.45	17.58	17.38						
5	QPSK	12	13	17.38	17.54	17.41						
5	QPSK	25	0	17.61	17.56	17.73	19	0				
5	16QAM	1	0	17.52	17.54	17.48						
5	16QAM	1	12	17.40	17.60	17.38						
5	16QAM	1	24	17.60	17.61	17.63	19	0				
5	16QAM	12	0	17.60	17.56	17.56						
5	16QAM	12	7	17.52	17.56	17.53						
5	16QAM	12	13	17.58	17.65	17.62	19	0				
5	16QAM	25	0	17.43	17.64	17.49						
5	64QAM	1	0	17.49	17.65	17.46						
5	64QAM	1	12	17.51	17.68	17.56	19	0				
5	64QAM	1	24	17.51	17.51	17.54						
5	64QAM	12	0	17.45	17.56	17.47						
5	64QAM	12	7	17.54	17.72	17.54	19	0				
5	64QAM	12	13	17.52	17.57	17.47						
5	64QAM	25	0	17.47	17.54	17.47						
5	256QAM	1	0	17.60	17.66	17.52	19	0				
5	256QAM	1	12	17.48	17.72	17.51						
5	256QAM	1	24	17.38	17.49	17.42						
5	256QAM	12	0	17.73	17.68	17.70	19	0				
5	256QAM	12	7	17.55	17.70	17.50						
5	256QAM	12	13	17.41	17.44	17.38						
5	256QAM	25	0	17.57	17.72	17.46						

Reduced Power Mode for DSI6

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
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 slot		32.26	32.30	32.22	33.50	23.26	23.30	23.22	24.50
GPRS 1 Tx slot		32.17	32.25	32.18	33.50	23.17	23.25	23.18	24.50
GPRS 2 Tx slots		30.71	30.81	30.74	32.00	24.71	24.81	24.74	26.00
GPRS 3 Tx slots		28.65	28.79	28.67	30.00	24.39	24.53	24.41	25.74
GPRS 4 Tx slots		26.57	26.69	26.59	27.50	23.57	23.69	23.59	24.50
EDGE 1 Tx slot		25.79	25.83	25.79	27.00	16.79	16.83	16.79	18.00
EDGE 2 Tx slots		24.85	24.94	24.88	26.00	18.85	18.94	18.88	20.00
EDGE 3 Tx slots		22.73	22.88	22.78	24.00	18.47	18.62	18.52	19.74
EDGE 4 Tx slots		20.70	20.79	20.73	22.00	17.70	17.79	17.73	19.00

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1559.2	1839	1999.5		1559.2	1839	1999.8	
GSM 1 Tx slot		29.48	29.50	29.44	30.59	20.48	20.50	20.44	21.59
GPRS 1 Tx slot		29.48	29.56	29.39	30.59	20.48	20.56	20.39	21.59
GPRS 2 Tx slots		25.88	26.02	25.96	27.70	19.88	20.02	19.96	21.70
GPRS 3 Tx slots		24.21	24.26	24.21	25.90	19.95	20.00	19.95	21.64
GPRS 4 Tx slots		23.39	23.50	23.42	24.70	20.39	20.50	20.42	21.70
EDGE 1 Tx slot		25.55	25.58	25.48	27.00	16.55	16.58	16.48	18.00
EDGE 2 Tx slots		24.19	24.24	24.18	25.50	18.19	18.24	18.18	19.50
EDGE 3 Tx slots		22.00	22.13	22.10	23.50	17.74	17.87	17.84	19.24
EDGE 4 Tx slots		20.16	20.29	20.23	21.50	17.16	17.29	17.23	18.50

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9539		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.31	20.46	20.36	21.60	22.54	22.67	22.53	24.00
3GPP Rel 99	RM-C 12.2Kbps	20.46	20.56	20.51	21.60	22.61	22.78	22.66	24.00
3GPP Rel 6	HSDPA Subtest-1	19.52	19.53	19.53	20.60	21.43	21.72	21.55	23.00
3GPP Rel 6	HSDPA Subtest-2	19.47	19.59	19.44	20.60	21.67	21.90	21.77	23.00
3GPP Rel 6	HSDPA Subtest-3	18.97	19.05	18.95	20.10	20.99	21.28	21.14	22.50
3GPP Rel 6	HSDPA Subtest-4	18.91	19.03	19.01	20.10	21.07	21.26	21.18	22.50
3GPP Rel 6	HSUPA Subtest-1	20.37	20.46	20.46	21.60	22.55	22.71	22.61	24.00
3GPP Rel 6	HSUPA Subtest-2	18.50	18.62	18.56	19.60	20.64	20.88	20.76	22.00
3GPP Rel 6	HSUPA Subtest-3	19.49	19.54	19.53	20.60	21.49	21.66	21.63	23.00
3GPP Rel 6	HSUPA Subtest-4	18.43	18.51	18.58	19.60	20.64	20.84	20.59	22.00
3GPP Rel 6	HSUPA Subtest-5	20.34	20.49	20.37	21.60	22.50	22.70	22.57	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.90	18.02	18.01	19.10	20.23	20.28	20.20	21.50

Band 2 Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 1860	Power High Ch / Freq 1860	Power High Ch / Freq 1900	Turn-up time (sec)	MPR (dB)				
Channel												
1860 1860 1900												
20	QPSK	1	0	20.02	20.02	19.98	21.3	0				
10	QPSK	1	49	19.98	20.03	19.96						
10	QPSK	1	99	19.93	19.99	19.93						
10	QPSK	50	0	19.90	19.96	19.93						
20	QPSK	50	24	19.93	19.91	19.88	21.3	0				
10	QPSK	50	50	19.89	19.92	19.89						
10	QPSK	100	0	19.91	19.96	19.96						
10	QPSK	50	25	19.92	19.92	19.92						
20	QPSK	1	99	19.97	19.95	19.91	21.3	0				
10	QPSK	1	49	19.85	19.99	19.99						
10	QPSK	1	99	19.97	19.95	19.91						
10	QPSK	50	24	19.90	19.97	19.93						
20	QPSK	50	50	19.86	19.95	19.85	21.3	0				
10	QPSK	100	0	19.85	19.95	19.91						
10	QPSK	1	0	19.86	19.96	19.94						
10	QPSK	1	49	19.89	19.95	19.91						
20	QPSK	1	49	19.89	19.95	19.91	21.3	0				
10	QPSK	50	0	19.23	19.24	19.21						
10	QPSK	50	24	19.15	19.08	19.11						
10	QPSK	50	50	19.22	19.20	19.20						
20	QPSK	1	0	17.11	17.27	17.21	19	2.3				
10	QPSK	1	99	17.22	17.16	17.04						
10	QPSK	50	0	17.05	17.42	17.18						
10	QPSK	50	24	17.25	17.21	17.08						
20	QPSK	50	50	17.17	17.08	17.14	19	2.3				
10	QPSK	100	0	17.08	17.29	17.07						
10	QPSK	100	0	17.08	17.29	17.07						
10	QPSK	100	0	17.08	17.29	17.07						
Channel												
1867.5 1860 1902.5												
16	QPSK	1	0	19.87	19.81	19.84	21.3	0				
10	QPSK	1	37	19.92	19.90	19.91						
10	QPSK	1	74	19.87	19.93	19.96						
10	QPSK	36	0	19.80	19.84	19.78						
10	QPSK	36	25	19.78	19.92	19.77	21.3	0				
10	QPSK	36	39	19.80	19.79	19.76						
10	QPSK	75	0	19.83	19.81	19.79						
10	QPSK	1	99	19.86	19.73	19.85						
10	QPSK	1	37	19.69	19.83	19.74	21.3	0				
10	QPSK	1	74	19.87	19.87	19.87						
10	QPSK	36	25	19.85	19.85	19.75						
10	QPSK	36	39	19.84	19.88	19.72						
10	QPSK	75	0	19.81	19.88	19.81	21.3	0				
10	QPSK	1	0	19.81	19.92	19.74						
10	QPSK	1	37	19.75	19.85	19.75						
10	QPSK	1	74	19.82	19.71	19.81						
10	QPSK	36	0	19.28	19.13	19.13	21	0.3				
10	QPSK	36	25	19.11	19.11	19.13						
10	QPSK	36	39	19.18	19.05	19.05						
10	QPSK	75	0	19.33	19.41	19.17						
10	QPSK	1	37	17.27	17.06	17.04	19	2.3				
10	QPSK	1	74	17.08	17.21	17.20						
10	QPSK	36	25	17.24	17.25	17.15						
10	QPSK	36	39	17.10	17.20	17.17						
10	QPSK	75	0	17.08	17.17	17.06	19	2.3				
10	QPSK	75	0	17.08	17.17	17.06						
10	QPSK	75	0	17.08	17.17	17.06						
10	QPSK	75	0	17.08	17.17	17.06						
Channel												
1860 1860 1900												
10	QPSK	1	0	19.87	19.81	19.84	21.3	0				
10	QPSK	1	25	19.81	20.00	19.89						
10	QPSK	1	49	19.84	19.92	19.84						
10	QPSK	25	0	19.83	19.87	19.83						
10	QPSK	25	12	19.77	19.83	19.81	21.3	0				
10	QPSK	25	25	19.79	19.84	19.85						
10	QPSK	50	0	19.83	19.87	19.83						
10	QPSK	1	0	19.88	19.74	19.79						
10	QPSK	1	25	19.73	19.85	19.79	21.3	0				
10	QPSK	1	49	19.87	19.86	19.86						
10	QPSK	25	0	19.76	19.95	19.77						
10	QPSK	25	12	19.78	19.84	19.79						
10	QPSK	25	25	19.85	19.76	19.76	21.3	0				
10	QPSK	50	0	19.70	19.85	19.75						
10	QPSK	1	0	19.76	19.93	19.68						
10	QPSK	1	24	19.75	19.70	19.70						
10	QPSK	1	49	19.78	19.76	19.79	21	0.3				
10	QPSK	25	0	19.16	19.15	19.15						
10	QPSK	25	12	19.02	19.10	19.11						
10	QPSK	25	25	19.26	19.24	19.12						
10	QPSK	50	0	19.03	19.31	19.11	19	2.3				
10	QPSK	50	24	17.08	17.10	17.06						
10	QPSK	50	50	17.26	17.07	17.14						
10	QPSK	1	25	17.16	17.19	17.05						
10	QPSK	25	0	17.30	17.40	17.35	19	2.3				
10	QPSK	25	12	17.27	17.25	17.07						
10	QPSK	25	25	17.16	17.13	17.08						
10	QPSK	50	0	17.10	17.01	17.00						
Channel												
1862.5 1860 1907.5												
5	QPSK	1	0	19.87	19.81	19.84	21.3	0				
5	QPSK	1	12	19.84	19.95	19.85						
5	QPSK	1	24	19.86	19.95	19.88						
5	QPSK	12	0	19.82	19.84	19.82						
5	QPSK	12	7	19.82	19.84	19.82	21.3	0				
5	QPSK	12	13	19.73	19.82	19.76						
5	QPSK	25	0	19.77	19.82	19.77						
5	QPSK	1	0	19.89	19.73	19.80						
5	QPSK	1	12	19.78	19.86	19.75	21.3	0				
5	QPSK	1	24	19.86	19.79	19.74						
5	QPSK	12	0	19.71	19.89	19.76						
5	QPSK	12	7	19.74	19.92	19.79						
5	QPSK	12	13	19.82	19.87	19.82	21.3	0				
5	QPSK	25	0	19.75	19.87	19.75						
5	QPSK	25	0	19.75	19.81	19.69						
5	QPSK	1	0	19.76	19.93	19.68						
5	QPSK	1	12	19.78	19.76	19.79	21.3	0				
5	QPSK	1	24	19.74	19.68	19.68						
5	QPSK	1	49	19.77	19.75	19.77						
5	QPSK	12	7	19.69	19.19	19.06						
5	QPSK	12	13	19.26	19.28	19.22	21	0.3				
5	QPSK	12	19	19.26	19.28	19.22						
5	QPSK	25	0	19.11	19.23	19.23						
5	QPSK	1	0	17.12	17.28	17.08	19	2.3				
10	QPSK	1	12	17.21	17.10	17.11						
10	QPSK	1	12	17.18	17.09	17.05						
10	QPSK	12	0	17.22	17.40	17.09						
5	QPSK	12	0	17.16	17.21	17.09	19	2.3				
5	QPSK	12	13	17.11	17.07	17.01						
5	QPSK	25	0	17.07	17.11	17.12						
5	QPSK	25	0	17.07	17.11	17.12						
Channel												
1865.5 1860 1909.5												
3	QPSK	1	0	19.88	19.89	19.83	21.3	0				
3	QPSK	1	7	19.90	19.89	19.83						
3	QPSK	1	14	19.90	19.89	19.83						
3	QPSK	8	0	19.80	19.92	19.84						
3	QPSK	8	4	19.80	19.92	19.84	21.3	0				
3	QPSK	8	7	19.78	19.92	19.84						
3	QPSK	15	0	19.78	19.91	19.72						
3	QPSK	1	0	19.78	19.75	19.81						
3	QPSK	1	7	19.78	19.75	19.81	21.3	0				
3	QPSK	1	14	19.85	19.87	19.79						
3	QPSK	8	0	19.76	19.96	19.84						
3	QPSK	8	4	19.76	19.96	19.84						
3	QPSK	15	0	19.80	19.82	19.72	21.3	0				
3	QPSK	15	7	19.78	19.92	19.79						
3	QPSK	1	0	19.73	19.88	19.87						
3	QPSK	1	8	19.79	19.83	19.80						
3	QPSK	8	0	19.76	19.78	19.78	21	0.3				
3	QPSK	8	4	19.23	19.22	19.16						
3	QPSK	8	4	19.14	19.04	19.10						
3	QPSK	15	0	19.11	19.06	19.11						
3	QPSK	15	0	19.21	19.35	19.03	19	2.3				
3	QPSK	1	0	17.16	17.28	17.18						
3	QPSK	1	7	17.16	17.28	17.18						
3	QPSK	1	14	17.16	17.02	17.11						
3	QPSK	8	0	17.20	17.43	17.11	19	2.3				
3	QPSK	8	7	17.17	17.07	17.01						
3	QPSK	8	7	17.07	17.06	17.02						
3	QPSK	15	0	17.17	17.10	17.07						
Channel												
1867.7 1860 1909.3												
1.4	QPSK	1	0	19.85	19.85	19.87	21.3	0				
1.4	QPSK	1	7	19.85	19.85	19.87						
1.4	QPSK	1	14	19.85	19.85	19.87						
1.4	QPSK	8	0	19.79	19.87	19.83						
1.4	QPSK	3	0	19.89	20.03	19.83	21.3	0				
1.4	QPSK	3	7	19.84	19.95	19.83						
1.4	QPSK	3	14	19.86	19.96	19.83						
1.4	QPSK	3	8	19.85	19.98	19.82						
1.4	QPSK	3	0	19.76	19.86	19.86	21.3	0				
1.4	QPSK	3	7	19.83	19.77	19.78						
1.4	QPSK	3	14	19.87	19.85	19.85						
1.4	QPSK	3	8	19.80	19.94	19.74						
1.4	QPSK	3	1	19.69	19.90	19.74	21.3	0				
1.4	QPSK	3	7	19.84	19.81	19.79						
1.4	QPSK	3	14	19.86	19.91	19.79						
1.4	QPSK	3	8	19.81	19.84	19.72						
1.4	QPSK	3	0	19.80	19.80	19.84	21.3	0				
1.4	QPSK	3	7	19.79	19.83	19.75						
1.4	QPSK	3	14	19.80	19.85	19.75						

Band 5 Ant 1										
BW [MHz]	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)				829	836.5	844				
10	QPSK	1	0	21.60	21.69	21.63	23	0		
10	QPSK	1	25	21.42	21.58	21.52				
10	QPSK	1	49	21.50	21.49	21.48				
10	QPSK	25	0	20.65	20.71	20.60	22	1		
10	QPSK	25	12	20.42	20.56	20.53				
10	QPSK	25	25	20.48	20.47	20.50				
10	QPSK	50	0	20.45	20.61	20.56	22	1		
10	16QAM	1	0	20.61	20.66	20.47				
10	16QAM	1	25	20.33	20.51	20.46				
10	16QAM	1	49	20.43	20.38	20.38	21	2		
10	16QAM	25	0	19.65	19.69	19.63				
10	16QAM	25	12	19.43	19.56	19.55				
10	16QAM	25	25	19.48	19.42	19.54	21	2		
10	16QAM	50	0	19.45	19.65	19.60				
10	64QAM	1	0	19.59	19.65	19.50				
10	64QAM	1	25	19.34	19.55	19.51	21	2		
10	64QAM	1	49	19.41	19.43	19.43				
10	64QAM	25	0	18.65	18.74	18.59				
10	64QAM	25	12	18.39	18.53	18.50	20	3		
10	64QAM	25	25	18.53	18.44	18.53				
10	64QAM	50	0	18.50	18.63	18.55				
10	256QAM	1	0	17.67	17.64	17.62	18	5		
10	256QAM	1	25	17.38	17.59	17.46				
10	256QAM	1	49	17.52	17.39	17.50				
10	256QAM	25	0	17.42	17.63	17.57	18	5		
10	256QAM	25	12	17.66	17.70	17.41				
10	256QAM	25	25	17.38	17.48	17.61				
10	256QAM	50	0	17.43	17.35	17.48				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.51	21.62	21.58	23	0		
5	QPSK	1	12	21.38	21.47	21.51				
5	QPSK	1	24	21.48	21.47	21.39				
5	QPSK	12	0	20.63	20.67	20.54	22	1		
5	QPSK	12	7	20.40	20.54	20.49				
5	QPSK	12	13	20.39	20.41	20.46				
5	QPSK	25	0	20.40	20.51	20.47	22	1		
5	16QAM	1	0	20.58	20.64	20.36				
5	16QAM	1	12	20.30	20.45	20.36				
5	16QAM	1	24	20.38	20.32	20.37	21	2		
5	16QAM	12	0	19.60	19.61	19.61				
5	16QAM	12	7	19.34	19.54	19.53				
5	16QAM	12	13	19.40	19.38	19.53	21	2		
5	16QAM	25	0	19.36	19.62	19.51				
5	64QAM	1	0	19.50	19.60	19.40				
5	64QAM	1	12	19.30	19.45	19.44	21	2		
5	64QAM	1	24	19.33	19.42	19.41				
5	64QAM	12	0	18.62	18.72	18.58				
5	64QAM	12	7	18.36	18.47	18.43	20	3		
5	64QAM	12	13	18.44	18.36	18.47				
5	64QAM	25	0	18.42	18.54	18.54				
5	256QAM	1	0	17.62	17.71	17.59	18	5		
5	256QAM	1	12	17.47	17.57	17.60				
5	256QAM	1	24	17.46	17.44	17.58				
5	256QAM	12	0	17.51	17.59	17.51	18	5		
5	256QAM	12	7	17.58	17.60	17.55				
5	256QAM	12	13	17.27	17.50	17.54				
5	256QAM	25	0	17.43	17.43	17.41				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.55	21.64	21.53	23	0		
3	QPSK	1	8	21.36	21.54	21.50				
3	QPSK	1	14	21.40	21.43	21.43				
3	QPSK	8	0	20.56	20.64	20.56	22	1		
3	QPSK	8	4	20.34	20.55	20.47				
3	QPSK	8	7	20.38	20.39	20.47				
3	QPSK	15	0	20.43	20.52	20.54	22	1		
3	16QAM	1	0	20.55	20.65	20.38				
3	16QAM	1	8	20.32	20.45	20.41				
3	16QAM	1	14	20.42	20.34	20.34	21	2		
3	16QAM	8	0	19.60	19.67	19.54				
3	16QAM	8	4	19.34	19.49	19.44				
3	16QAM	8	7	19.41	19.39	19.52	21	2		
3	16QAM	15	0	19.41	19.57	19.50				
3	64QAM	1	0	19.54	19.62	19.42				
3	64QAM	1	8	19.33	19.52	19.42	21	2		
3	64QAM	1	14	19.34	19.38	19.34				
3	64QAM	8	0	18.54	18.66	18.51				
3	64QAM	8	4	18.37	18.44	18.44	20	3		
3	64QAM	8	7	18.52	18.34	18.46				
3	64QAM	15	0	18.42	18.59	18.50				
3	256QAM	1	0	17.73	17.65	17.72	18	5		
3	256QAM	1	8	17.34	17.58	17.47				
3	256QAM	1	14	17.47	17.33	17.59				
3	256QAM	8	0	17.46	17.65	17.57	18	5		
3	256QAM	8	4	17.64	17.57	17.44				
3	256QAM	8	7	17.38	17.56	17.51				
3	256QAM	15	0	17.38	17.39	17.35				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.50	21.60	21.58	23	0		
1.4	QPSK	1	3	21.36	21.49	21.51				
1.4	QPSK	1	5	21.48	21.47	21.37				
1.4	QPSK	3	0	21.44	21.58	21.51	22	1		
1.4	QPSK	3	1	21.31	21.40	21.44				
1.4	QPSK	3	3	21.42	21.40	21.34				
1.4	QPSK	6	0	20.41	20.52	20.46	22	1		
1.4	16QAM	1	0	20.56	20.62	20.43				
1.4	16QAM	1	3	20.29	20.44	20.41				
1.4	16QAM	1	5	20.35	20.33	20.35	22	1		
1.4	16QAM	3	0	20.48	20.60	20.40				
1.4	16QAM	3	1	20.19	20.36	20.34				
1.4	16QAM	3	3	20.33	20.27	20.34	21	2		
1.4	16QAM	6	0	19.39	19.59	19.54				
1.4	64QAM	1	0	19.57	19.60	19.39				
1.4	64QAM	1	3	19.28	19.48	19.49	21	2		
1.4	64QAM	1	5	19.39	19.34	19.41				
1.4	64QAM	3	0	19.49	19.53	19.34				
1.4	64QAM	3	1	19.18	19.43	19.40	20	3		
1.4	64QAM	3	3	19.37	19.28	19.34				
1.4	64QAM	6	0	18.42	18.59	18.52				
1.4	256QAM	1	0	17.72	17.76	17.56	18	5		
1.4	256QAM	1	3	17.49	17.65	17.53				
1.4	256QAM	1	5	17.42	17.51	17.54				
1.4	256QAM	3	0	17.39	17.57	17.60	18	5		
1.4	256QAM	3	1	17.68	17.59	17.56				
1.4	256QAM	3	3	17.33	17.58	17.54				
1.4	256QAM	6	0	17.36	17.45	17.36	18	5	5	

Band 7 Ant 1									
BW [MHz]	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	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.56	21.62	21.56	22.7	0	
20	QPSK	1	49	21.50	21.51	21.41			
20	QPSK	1	99	21.46	21.45	21.42			
20	QPSK	50	0	21.41	21.49	21.45	22.7	0	
20	QPSK	50	24	21.46	21.35	21.34			
20	QPSK	50	50	21.36	21.28	21.36			
20	QPSK	100	0	21.44	21.48	21.45	22.7	0	
20	16QAM	1	0	21.47	21.55	21.51			
20	16QAM	1	49	21.46	21.47	21.36			
20	16QAM	1	99	21.39	21.34	21.26	22	0.7	
20	16QAM	50	0	20.68	20.95	20.65			
20	16QAM	50	24	20.56	20.89	20.62			
20	16QAM	50	50	20.57	20.85	20.63	22	0.7	
20	16QAM	100	0	20.77	20.87	20.73			
20	64QAM	1	0	20.58	20.88	20.57			
20	64QAM	1	49	20.44	20.83	20.57	21	1.7	
20	64QAM	1	99	20.54	20.76	20.58			
20	64QAM	50	0	19.64	19.90	19.59			
20	64QAM	50	24	19.54	19.85	19.59	19	3.7	
20	64QAM	50	50	19.64	19.82	19.56			
20	64QAM	100	0	19.79	19.84	19.69			
20	256QAM	1	0	18.78	18.86	18.68	19	3.7	
20	256QAM	1	49	18.55	18.98	18.65			
20	256QAM	1	99	18.53	18.91	18.65			
20	256QAM	50	0	18.71	18.86	18.70	19	3.7	
20	256QAM	50	24	18.58	18.83	18.55			
20	256QAM	50	50	18.45	18.77	18.62			
20	256QAM	100	0	18.46	18.79	18.54			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.47	21.50	21.50	22.7	0	
15	QPSK	1	37	21.33	21.39	21.28			
15	QPSK	1	74	21.35	21.39	21.34			
15	QPSK	36	0	21.33	21.38	21.46	22.7	0	
15	QPSK	36	20	21.31	21.25	21.23			
15	QPSK	36	39	21.28	21.16	21.30			
15	QPSK	75	0	21.36	21.33	21.34	22.7	0	
15	16QAM	1	0	21.30	21.50	21.46			
15	16QAM	1	37	21.40	21.42	21.32			
15	16QAM	1	74	21.32	21.19	21.14	22	0.7	
15	16QAM	36	0	20.67	20.88	20.54			
15	16QAM	36	20	20.49	20.81	20.54			
15	16QAM	36	39	20.48	20.81	20.55	22	0.7	
15	16QAM	75	0	20.73	20.86	20.65			
15	64QAM	1	0	20.54	20.82	20.50			
15	64QAM	1	37	20.35	20.78	20.48	21	1.7	
15	64QAM	1	74	20.52	20.70	20.54			
15	64QAM	36	0	19.57	19.85	19.51			
15	64QAM	36	20	19.44	19.80	19.57	19	3.7	
15	64QAM	36	39	19.61	19.80	19.55			
15	64QAM	75	0	19.71	19.76	19.65			
15	256QAM	1	0	18.68	18.87	18.68	19	3.7	
15	256QAM	1	37	18.62	18.82	18.60			
15	256QAM	1	74	18.54	18.77	18.63			
15	256QAM	36	0	18.79	18.77	18.72	19	3.7	
15	256QAM	36	20	18.61	18.93	18.48			
15	256QAM	36	39	18.62	18.73	18.57			
15	256QAM	75	0	18.52	18.74	18.64			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.50	21.58	21.42	22.7	0	
10	QPSK	1	25	21.44	21.41	21.25			
10	QPSK	1	49	21.42	21.41	21.28			
10	QPSK	25	0	21.36	21.36	21.43	22.7	0	
10	QPSK	25	12	21.30	21.21	21.20			
10	QPSK	25	25	21.22	21.19	21.32			
10	QPSK	50	0	21.27	21.33	21.41	22.7	0	
10	16QAM	1	0	21.38	21.49	21.35			
10	16QAM	1	25	21.33	21.38	21.31			
10	16QAM	1	49	21.32	21.30	21.15	22	0.7	
10	16QAM	25	0	20.67	20.93	20.61			
10	16QAM	25	12	20.49	20.82	20.61			
10	16QAM	25	25	20.48	20.82	20.54	22	0.7	
10	16QAM	50	0	20.67	20.84	20.72			
10	64QAM	1	0	20.54	20.82	20.50			
10	64QAM	1	25	20.39	20.78	20.54	22	0.7	
10	64QAM	1	49	20.53	20.71	20.56			
10	64QAM	25	0	19.54	19.84	19.56			
10	64QAM	25	12	19.51	19.82	19.50	21	1.7	
10	64QAM	25	25	19.55	19.77	19.48			
10	64QAM	50	0	19.74	19.82	19.62			
10	256QAM	1	0	18.61	18.94	18.60	19	3.7	
10	256QAM	1	25	18.54	18.91	18.68			
10	256QAM	1	49	18.53	18.88	18.72			
10	256QAM	25	0	18.69	18.93	18.72	19	3.7	
10	256QAM	25	12	18.66	18.90	18.58			
10	256QAM	25	25	18.56	18.86	18.55			
10	256QAM	50	0	18.57	18.83	18.57			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.43	21.49	21.42	22.7	0	
5	QPSK	1	12	21.36	21.37	21.27			
5	QPSK	1	24	21.38	21.41	21.34			
5	QPSK	12	0	21.25	21.42	21.47	22.7	0	
5	QPSK	12	7	21.34	21.25	21.25			
5	QPSK	12	13	21.28	21.23	21.32			
5	QPSK	25	0	21.27	21.40	21.36	22.7	0	
5	16QAM	1	0	21.35	21.50	21.37			
5	16QAM	1	12	21.31	21.39	21.29			
5	16QAM	1	24	21.22	21.27	21.18	22	0.7	
5	16QAM	12	0	20.65	20.93	20.56			
5	16QAM	12	7	20.53	20.86	20.53			
5	16QAM	12	13	20.55	20.82	20.58	22	0.7	
5	16QAM	25	0	20.74	20.86	20.68			
5	64QAM	1	0	20.51	20.81	20.54			
5	64QAM	1	12	20.41	20.73	20.51	21	1.7	
5	64QAM	1	24	20.49	20.67	20.53			
5	64QAM	12	0	19.61	19.89	19.57			
5	64QAM	12	7	19.49	19.78	19.51	19	3.7	
5	64QAM	12	13	19.55	19.76	19.52			
5	64QAM	25	0	19.71	19.83	19.60			
5	256QAM	1	0	18.76	18.92	18.67	19	3.7	
5	256QAM	1	12	18.50	18.92	18.70			
5	256QAM	1	24	18.53	18.76	18.69			
5	256QAM	12	0	18.80	18.80	18.79	19	3.7	
5	256QAM	12	7	18.54	18.94	18.64			
5	256QAM	12	13	18.64	18.89	18.59			
5	256QAM	25	0	18.48	18.85	18.66			

Band 38 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.18	21.43	21.41	22.5	0		
20	QPSK	1	49	21.15	21.29	21.33				
20	QPSK	1	99	21.17	21.25	21.30				
20	QPSK	50	0	21.17	21.42	21.36				
20	QPSK	50	24	21.14	21.39	21.31	22.5	0		
20	QPSK	50	50	21.12	21.38	21.32				
20	QPSK	100	0	21.16	21.35	21.31				
20	16QAM	1	0	21.12	21.36	21.36				
20	16QAM	1	49	21.20	21.32	21.43	22.5	0		
20	16QAM	1	99	21.13	21.24	21.25				
20	16QAM	50	0	20.73	20.81	20.87				
20	16QAM	50	24	20.62	20.83	20.73				
20	16QAM	50	50	20.63	20.79	20.83	22	0.5		
20	16QAM	100	0	20.54	20.82	20.75				
20	64QAM	1	0	20.71	20.72	20.74				
20	64QAM	1	49	20.58	20.59	20.61				
20	64QAM	1	99	20.58	20.74	20.74	22	0.5		
20	64QAM	50	0	19.71	19.81	19.88				
20	64QAM	50	24	19.70	19.77	19.72				
20	64QAM	50	50	19.73	19.84	19.80				
20	64QAM	100	0	19.67	19.85	19.76	21	1.5		
20	256QAM	1	0	17.66	17.77	17.85				
20	256QAM	1	49	17.74	17.80	17.74				
20	256QAM	1	99	17.59	17.79	17.76				
20	256QAM	50	0	17.48	17.84	17.84	19	3.5		
20	256QAM	50	24	17.58	17.77	17.72				
20	256QAM	50	50	17.62	17.89	17.58				
20	256QAM	100	0	17.56	17.84	17.71				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.14	21.31	21.34	22.5	0		
15	QPSK	1	49	21.10	21.22	21.22				
15	QPSK	1	99	21.13	21.19	21.24				
15	QPSK	36	0	21.02	21.29	21.11				
15	QPSK	36	0	21.02	21.29	21.11	22.5	0		
15	QPSK	36	39	21.03	21.21	21.25				
15	QPSK	75	0	21.04	21.27	21.16				
15	16QAM	1	0	21.06	21.22	21.32				
15	16QAM	1	37	21.12	21.28	21.33	22.5	0		
15	16QAM	1	74	21.08	21.14	21.16				
15	16QAM	36	0	20.67	20.69	20.81				
15	16QAM	36	39	20.60	20.69	20.60				
15	16QAM	36	39	20.58	20.65	20.71	22	0.5		
15	16QAM	75	0	20.48	20.73	20.61				
15	64QAM	1	0	20.67	20.67	20.70				
15	64QAM	1	37	20.52	20.46	20.52				
15	64QAM	1	74	20.43	20.70	20.62	22	0.5		
15	64QAM	36	0	19.62	19.74	19.84				
15	64QAM	36	20	19.56	19.63	19.61				
15	64QAM	36	39	19.67	19.70	19.66				
15	64QAM	75	0	19.62	19.79	19.69	21	1.5		
15	256QAM	1	0	17.60	17.74	17.81				
15	256QAM	1	37	17.70	17.74	17.60				
15	256QAM	1	74	17.51	17.70	17.72				
15	256QAM	36	0	17.62	17.67	17.68	19	3.5		
15	256QAM	36	20	17.51	17.55	17.62				
15	256QAM	36	39	17.49	17.57	17.47				
15	256QAM	75	0	17.48	17.58	17.61				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.12	21.36	21.34	22.5	0		
10	QPSK	1	49	21.14	21.16	21.23				
10	QPSK	25	0	21.12	21.29	21.21				
10	QPSK	25	0	21.12	21.29	21.21				
10	QPSK	25	0	21.12	21.29	21.21	22.5	0		
10	QPSK	25	25	21.07	21.14	21.24				
10	QPSK	50	0	21.03	21.30	21.16				
10	16QAM	1	0	21.04	21.25	21.32				
10	16QAM	1	24	21.05	21.36	21.36	22.5	0		
10	16QAM	1	49	21.06	21.13	21.16				
10	16QAM	25	0	20.64	20.70	20.72				
10	16QAM	25	25	20.61	20.69	20.69				
10	16QAM	25	25	20.57	20.70	20.78	22	0.5		
10	16QAM	50	0	20.41	20.78	20.65				
10	64QAM	1	0	20.60	20.66	20.66				
10	64QAM	1	25	20.51	20.47	20.54				
10	64QAM	1	49	20.45	20.69	20.68	21	1.5		
10	64QAM	25	0	19.66	19.74	19.85				
10	64QAM	25	12	19.69	19.78	19.66				
10	64QAM	25	25	19.70	19.79	19.69				
10	64QAM	50	0	19.58	19.73	19.66	19	3.5		
10	256QAM	1	0	17.61	17.73	17.81				
10	256QAM	1	25	17.66	17.73	17.68				
10	256QAM	1	49	17.48	17.74	17.64				
10	256QAM	25	0	17.38	17.76	17.60	19	3.5		
10	256QAM	25	12	17.52	17.58	17.66				
10	256QAM	25	25	17.57	17.58	17.51				
10	256QAM	50	0	17.48	17.58	17.61				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.14	21.30	21.32	22.5	0		
5	QPSK	1	12	21.05	21.16	21.19				
5	QPSK	1	24	21.10	21.19	21.22				
5	QPSK	12	0	21.08	21.39	21.20				
5	QPSK	12	0	21.08	21.39	21.20	22.5	0		
5	QPSK	12	13	21.02	21.23	21.24				
5	QPSK	25	0	21.04	21.33	21.23				
5	16QAM	1	0	21.06	21.31	21.30				
5	16QAM	1	12	21.12	21.18	21.37	22.5	0		
5	16QAM	1	24	21.07	21.10	21.13				
5	16QAM	12	0	20.61	20.66	20.62				
5	16QAM	12	0	20.60	20.69	20.68				
5	16QAM	12	13	20.59	20.67	20.71	22	0.5		
5	16QAM	25	0	20.46	20.76	20.65				
5	64QAM	1	0	20.64	20.62	20.70				
5	64QAM	1	12	20.45	20.51	20.55				
5	64QAM	1	24	20.53	20.67	20.62	22	0.5		
5	64QAM	12	0	19.66	19.79	19.73				
5	64QAM	12	7	19.64	19.72	19.63				
5	64QAM	12	13	19.60	19.70	19.75				
5	64QAM	25	0	19.56	19.79	19.73	21	1.5		
5	256QAM	1	0	17.52	17.70	17.72				
5	256QAM	1	12	17.62	17.72	17.66				
5	256QAM	1	24	17.51	17.69	17.63				
5	256QAM	12	0	17.62	17.73	17.61	19	3.5		
5	256QAM	12	7	17.51	17.55	17.57				
5	256QAM	12	13	17.58	17.65	17.67				
5	256QAM	25	0	17.46	17.54	17.64				

Band 41 Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Ch.Freq.	Power Low Middle Co./Ch.Freq.	Power Middle Co./Ch.Freq.	Power High Middle Co./Ch.Freq.	Power High Co./Ch.Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.37	21.32	21.50	21.48	21.39	22.5	0
20	QPSK	1	49	21.36	21.34	21.42	21.36	21.31		
20	QPSK	1	99	21.33	21.21	21.40	21.43	21.31		
20	QPSK	50	0	21.30	21.27	21.45	21.39	21.35		
20	QPSK	50	24	21.30	21.29	21.44	21.40	21.32	22.5	0
20	QPSK	50	50	21.33	21.25	21.42	21.41	21.33		
20	QPSK	100	0	21.33	21.27	21.41	21.38	21.27		
20	16QAM	1	0	21.27	21.21	21.44	21.39	21.33		
20	16QAM	1	49	21.25	21.24	21.42	21.46	21.29	22.5	0
20	16QAM	1	99	21.27	21.22	21.39	21.38	21.36		
20	16QAM	50	0	20.84	20.81	20.95	20.91	20.81		
20	16QAM	50	24	20.76	20.69	20.88	20.83	20.80		
20	16QAM	50	50	20.84	20.77	20.91	20.89	20.81	22	0.5
20	16QAM	100	0	20.78	20.66	20.91	20.89	20.91		
20	64QAM	1	0	20.63	20.75	20.80	20.84	20.66		
20	64QAM	1	49	20.64	20.65	20.74	20.69	20.75		
20	64QAM	1	99	20.75	20.68	20.82	20.81	20.76	21	1.5
20	64QAM	50	0	19.88	19.80	19.95	19.97	19.84		
20	64QAM	50	24	19.87	19.78	19.88	19.86	19.84		
20	64QAM	50	50	19.87	19.77	19.96	19.95	19.88		
20	64QAM	100	0	19.89	19.74	19.96	19.84	19.89		
20	256QAM	1	0	17.81	17.75	17.80	17.88	17.78	19	3.5
20	256QAM	1	49	17.79	17.73	17.81	17.79	17.80		
20	256QAM	1	99	17.75	17.67	17.82	17.83	17.73		
20	256QAM	50	0	17.79	17.61	17.95	17.88	17.82		
20	256QAM	50	24	17.81	17.73	17.78	17.78	17.84	19	3.5
20	256QAM	50	50	17.80	17.73	17.78	17.73	17.73		
20	256QAM	100	0	17.86	17.69	17.78	17.77	17.80		
20	256QAM	100	50	17.83	17.69	17.80	17.80	17.80		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.59	21.28	21.42	21.36	21.29	22.5	0
15	QPSK	1	37	21.23	21.21	21.31	21.31	21.21		
15	QPSK	1	74	21.15	21.15	21.36	21.40	21.21		
15	QPSK	36	0	21.19	21.17	21.42	21.28	21.23		
15	QPSK	36	20	21.19	21.21	21.39	21.35	21.23	22.5	0
15	QPSK	36	36	21.21	21.21	21.35	21.29	21.23		
15	QPSK	75	0	21.29	21.22	21.37	21.27	21.19		
15	16QAM	1	0	21.21	21.15	21.40	21.37	21.21		
15	16QAM	1	21	21.25	21.22	21.38	21.32	21.17	22.5	0
15	16QAM	1	74	21.21	21.17	21.30	21.30	21.21		
15	16QAM	36	0	20.76	20.74	20.84	20.82	20.74		
15	16QAM	36	20	20.76	20.69	20.85	20.85	20.73		
15	16QAM	36	36	20.73	20.69	20.81	20.89	20.78	22	0.5
15	16QAM	75	0	20.70	20.64	20.82	20.87	20.67		
15	64QAM	1	0	20.77	20.70	20.73	20.74	20.64		
15	64QAM	1	36	20.53	20.53	20.65	20.65	20.53		
15	64QAM	1	74	20.73	20.67	20.77	20.78	20.74	22	0.5
15	64QAM	36	0	19.84	19.70	19.84	19.86	19.78		
15	64QAM	36	20	19.78	19.73	19.83	19.83	19.73		
15	64QAM	36	36	19.83	19.70	19.91	19.75	19.78		
15	64QAM	75	0	19.88	19.70	19.91	19.82	19.85	21	1.5
15	256QAM	1	0	17.81	17.76	17.89	17.87	17.73		
15	256QAM	1	37	17.72	17.71	17.80	17.89	17.75		
15	256QAM	1	74	17.85	17.82	17.81	17.95	17.79		
15	256QAM	36	0	17.87	17.75	17.84	17.87	17.86	19	3.5
15	256QAM	36	20	17.87	17.67	17.86	17.86	17.86		
15	256QAM	36	36	17.71	17.71	17.67	17.59	17.70		
15	256QAM	75	0	17.86	17.63	17.83	17.86	17.81		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.61	20.60	20.63	20.65	20.61	22.5	0
20	QPSK	1	0	21.34	21.24	21.43	21.43	21.33		
20	QPSK	1	26	21.21	21.21	21.35	21.35	21.21		
20	QPSK	1	49	21.29	21.13	21.34	21.35	21.22		
20	QPSK	25	0	21.26	21.18	21.34	21.33	21.31	22.5	0
20	QPSK	25	13	21.27	21.21	21.40	21.35	21.29		
20	QPSK	25	26	21.30	21.18	21.32	21.30	21.24		
20	QPSK	50	0	21.24	21.18	21.35	21.29	21.21		
20	16QAM	1	0	21.18	21.12	21.40	21.36	21.25	22.5	0
20	16QAM	1	49	21.14	21.19	21.37	21.35	21.29		
20	16QAM	1	49	21.21	21.14	21.36	21.32	21.25		
20	16QAM	25	0	20.79	20.74	20.88	20.82	20.79		
20	16QAM	25	12	20.79	20.62	20.81	20.79	20.75	22	0.5
20	16QAM	25	25	20.62	20.68	20.89	20.84	20.77		
20	16QAM	50	0	20.68	20.68	20.86	20.80	20.89		
20	16QAM	50	1	20.76	20.68	20.71	20.70	20.77		
20	64QAM	1	25	20.59	20.63	20.64	20.59	20.66	22	0.5
20	64QAM	1	49	20.70	20.65	20.75	20.77	20.71		
20	64QAM	25	0	19.84	19.69	19.91	19.80	19.81		
20	64QAM	25	13	19.80	19.73	19.84	19.84	19.80		
20	64QAM	25	25	19.85	19.72	19.93	19.77	19.80	21	1.5
20	64QAM	50	0	19.68	19.68	19.86	19.78	19.82		
20	256QAM	1	17	17.73	17.73	17.68	17.75	17.72		
20	256QAM	1	25	17.74	17.68	17.83	17.81	17.82		
20	256QAM	1	49	17.87	17.78	17.99	17.86	17.88	19	3.5
20	256QAM	1	49	17.87	17.78	17.99	17.86	17.88		
20	256QAM	25	12	17.81	17.65	17.85	17.85	17.67		
20	256QAM	25	12	17.87	17.82	17.75	17.89	17.87		
20	256QAM	25	12	17.87	17.68	17.84	17.86	17.77	19	3.5
20	256QAM	25	12	17.76	17.72	17.84	17.84	17.72		
20	256QAM	50	0	19.615	19.468	19.620	19.603	19.605		
20	256QAM	50	0	19.615	19.468	19.620	19.603	19.605		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.43	21.27	21.42	21.42	21.36	22.5	0
15	QPSK	1	12	21.14	21.17	21.35	21.36	21.22		
15	QPSK	1	24	21.29	21.17	21.35	21.36	21.19		
15	QPSK	12	0	21.25	21.19	21.38	21.27	21.25		
15	QPSK	12	12	21.14	21.14	21.22	21.11	21.21	22.5	0
15	QPSK	12	13	21.28	21.16	21.34	21.37	21.21		
15	QPSK	25	0	21.29	21.17	21.33	21.31	21.23		
15	QPSK	25	6	21.24	21.13	21.39	21.39	21.23		
15	16QAM	1	12	21.15	21.10	21.39	21.44	21.22	22.5	0
15	16QAM	1	24	21.17	21.14	21.32	21.35	21.25		
15	16QAM	12	0	20.59	20.57	20.69	20.69	20.59		
15	16QAM	12	7	20.71	20.66	20.87	20.77	20.71		
15	16QAM	12	13	20.75	20.69	20.86	20.83	20.75	22	0.5
15	16QAM	25	0	20.68	20.60	20.81	20.86	20.81		
15	16QAM	25	20	20.68	20.60	20.86	20.86	20.80		
15	64QAM	1	12	20.60	20.61	20.68	20.60	20.68		
15	64QAM	1	24	20.71	20.67	20.77	20.74	20.72	22	0.5
15	64QAM	12	0	19.79	19.69	19.89	19.89	19.82		
15	64QAM	12	7	19.77	19.76	19.86	19.74	19.82		
15	64QAM	12	13	19.77	19.73	19.84	19.76	19.79		
15	256QAM	1	0	19.76	19.76	19.87	19.87	19.80	21	1.5
15	256QAM	1	12	17.77	17.85	17.88	17.88	17.73		
15	256QAM	1	12	17.71	17.73	17.80	17.79	17.78		
15	256QAM	1	24	17.85	17.83	17.90	17.81	17.75		
15	256QAM	12	0	17.72	17.67	17.84	17.78	17.80	19	3.5
15	256QAM	12	7	17.76	17.67	17.74	17.84	17.78		
15	256QAM	12	13	17.71	17.61	17.73	17.71	17.84		
15	256QAM	12	13	17.71	17.61	17.73	17.71	17.84		

Band 42 Part27Q Ant 2									
BW [MHz]	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	20.79	20.96	20.86			
20	QPSK	1	49	20.70	20.90	20.70	22	0	
20	QPSK	1	99	20.64	20.74	20.71			
20	QPSK	50	0	20.72	20.83	20.71			
20	QPSK	50	24	20.63	20.80	20.59	22	0	
20	QPSK	50	50	20.60	20.59	20.67			
20	QPSK	100	0	20.76	20.81	20.78			
20	16QAM	1	0	20.57	20.82	20.54	22	0	
20	16QAM	1	49	20.51	20.69	20.64			
20	16QAM	1	99	20.68	20.92	20.76			
20	16QAM	50	0	20.59	20.76	20.60	22	0	
20	16QAM	50	24	20.48	20.68	20.62			
20	16QAM	50	50	20.62	20.82	20.70			
20	16QAM	100	0	20.70	20.84	20.70	22	0	
20	64QAM	1	0	20.68	20.79	20.76			
20	64QAM	1	49	20.63	20.84	20.63			
20	64QAM	1	99	20.52	20.63	20.60	21	1	
20	64QAM	50	0	19.29	19.30	19.26			
20	64QAM	50	24	19.09	19.25	19.13			
20	64QAM	50	50	19.18	19.11	19.09	19	3	
20	64QAM	100	0	19.20	19.27	19.16			
20	256QAM	1	0	17.31	17.34	17.16			
20	256QAM	1	49	17.18	17.16	17.24	19	3	
20	256QAM	1	99	17.22	17.09	17.17			
20	256QAM	50	0	17.24	17.24	17.00			
20	256QAM	50	24	17.30	17.10	17.14	19	3	
20	256QAM	50	50	17.14	17.21	17.11			
20	256QAM	100	0	17.16	17.02	17.10			
Channel				43165	43340	43515			
Frequency (MHz)				3557.5	3575	3592.5			
15	QPSK	1	0	20.66	20.81	20.83		22	
15	QPSK	1	37	20.59	20.80	20.58	22	0	
15	QPSK	1	74	20.51	20.60	20.55			
15	QPSK	36	0	20.61	20.73	20.60	22	0	
15	QPSK	36	20	20.47	20.76	20.51			
15	QPSK	36	39	20.48	20.48	20.63			
15	QPSK	75	0	20.65	20.73	20.62	22	0	
15	16QAM	1	0	20.45	20.74	20.49			
15	16QAM	1	37	20.42	20.60	20.58	22	0	
15	16QAM	1	74	20.51	20.76	20.70			
15	16QAM	36	0	20.52	20.59	20.53	22	0	
15	16QAM	36	20	20.35	20.51	20.51			
15	16QAM	36	39	20.57	20.79	20.54			
15	16QAM	75	0	20.59	20.71	20.63	22	0	
15	64QAM	1	0	20.59	20.69	20.61			
15	64QAM	1	37	20.57	20.76	20.58	21	1	
15	64QAM	1	74	20.48	20.52	20.51			
15	64QAM	36	0	19.20	19.24	19.22			
15	64QAM	36	20	19.04	19.13	19.01	19	3	
15	64QAM	36	39	19.11	19.05	19.12			
15	64QAM	75	0	19.13	19.14	19.07			
15	256QAM	1	0	17.34	17.24	17.30	19	3	
15	256QAM	1	37	17.13	17.33	17.16			
15	256QAM	1	74	17.11	17.21	17.03			
15	256QAM	36	0	17.19	17.28	17.07	19	3	
15	256QAM	36	20	17.27	17.14	17.24			
15	256QAM	36	39	17.16	17.18	17.01			
15	256QAM	75	0	17.17	17.07	17.05			
Channel				43140	43340	43540			
Frequency (MHz)				3555	3575	3595			
10	QPSK	1	0	20.75	20.83	20.70	22	0	
10	QPSK	1	25	20.53	20.77	20.57			
10	QPSK	1	49	20.53	20.60	20.56	22	0	
10	QPSK	25	0	20.63	20.79	20.67			
10	QPSK	25	12	20.48	20.82	20.52	22	0	
10	QPSK	25	25	20.48	20.48	20.62			
10	QPSK	50	0	20.72	20.74	20.68			
10	16QAM	1	0	20.43	20.76	20.43	22	0	
10	16QAM	1	25	20.38	20.61	20.55			
10	16QAM	1	49	20.57	20.83	20.68	22	0	
10	16QAM	25	0	20.43	20.69	20.53			
10	16QAM	25	12	20.35	20.61	20.54	22	0	
10	16QAM	25	25	20.52	20.69	20.66			
10	16QAM	50	0	20.55	20.67	20.64			
10	64QAM	1	0	20.61	20.70	20.68	22	0	
10	64QAM	1	25	20.57	20.71	20.55			
10	64QAM	1	49	20.36	20.60	20.54	21	1	
10	64QAM	25	0	19.24	19.17	19.20			
10	64QAM	25	12	19.01	19.12	19.09			
10	64QAM	25	25	19.13	19.05	19.08	19	3	
10	64QAM	50	0	19.16	19.19	19.03			
10	256QAM	1	0	17.22	17.29	17.30			
10	256QAM	1	25	17.20	17.17	17.14	19	3	
10	256QAM	1	49	17.10	17.21	17.18			
10	256QAM	25	0	17.23	17.31	17.02			
10	256QAM	25	12	17.19	17.11	17.05	19	3	
10	256QAM	25	25	17.13	17.13	17.01			
10	256QAM	50	0	17.02	17.01	17.12			
Channel				43115	43340	43565			
Frequency (MHz)				3552.5	3575	3597.5			
5	QPSK	1	0	20.75	20.85	20.73	22	0	
5	QPSK	1	12	20.64	20.83	20.61			
5	QPSK	1	24	20.49	20.67	20.64	22	0	
5	QPSK	12	0	20.60	20.74	20.63			
5	QPSK	12	7	20.58	20.71	20.51	22	0	
5	QPSK	12	13	20.47	20.51	20.63			
5	QPSK	25	0	20.68	20.78	20.65			
5	16QAM	1	0	20.49	20.74	20.42	22	0	
5	16QAM	1	12	20.40	20.58	20.60			
5	16QAM	1	24	20.57	20.76	20.72	22	0	
5	16QAM	12	0	20.53	20.68	20.57			
5	16QAM	12	7	20.36	20.57	20.56	22	0	
5	16QAM	12	13	20.46	20.69	20.59			
5	16QAM	25	0	20.57	20.71	20.57	22	0	
5	64QAM	1	0	20.62	20.66	20.67			
5	64QAM	1	12	20.60	20.79	20.54	21	1	
5	64QAM	1	24	20.36	20.57	20.54			
5	64QAM	12	0	19.18	19.24	19.14			
5	64QAM	12	7	19.14	19.17	19.01	19	3	
5	64QAM	12	13	19.07	19.02	19.01			
5	64QAM	25	0	19.07	19.14	19.09			
5	256QAM	1	0	17.22	17.42	17.27	19	3	
5	256QAM	1	12	17.22	17.33	17.10			
5	256QAM	1	24	17.16	17.15	17.03			
5	256QAM	12	0	17.16	17.34	17.03	19	3	
5	256QAM	12	7	17.14	17.28	17.15			
5	256QAM	12	13	17.10	17.16	17.08			
5	256QAM	25	0	17.13	17.13	17.23			

Band 7 Ant 5									
BW [MHz]	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	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.21	19.28	19.26	20.4	0	
20	QPSK	1	49	19.18	19.21	19.19			
20	QPSK	1	99	19.17	19.15	19.07			
20	QPSK	50	0	19.06	19.23	19.21	20.4	0	
20	QPSK	50	24	19.14	19.16	19.02			
20	QPSK	50	50	19.04	19.10	19.01			
20	QPSK	100	0	19.14	19.24	19.12	20.4	0	
20	16QAM	1	0	19.11	19.08	19.10			
20	16QAM	1	49	19.08	18.98	18.98			
20	16QAM	1	99	19.08	19.20	19.21	20.4	0	
20	16QAM	50	0	19.03	19.15	19.10			
20	16QAM	50	24	19.12	19.02	19.01			
20	16QAM	50	50	19.05	19.14	19.19	20.4	0	
20	16QAM	100	0	19.01	19.05	19.05			
20	64QAM	1	0	19.08	19.08	19.03	20.4	0	
20	64QAM	1	49	19.13	19.15	19.15			
20	64QAM	1	99	19.04	19.08	19.10			
20	64QAM	50	0	19.10	19.03	18.98	20.4	0	
20	64QAM	50	24	19.12	19.16	19.13			
20	64QAM	50	50	19.07	19.16	19.04			
20	64QAM	100	0	19.14	18.99	18.93	19	1.4	
20	256QAM	1	0	18.21	18.28	18.16			
20	256QAM	1	49	18.03	18.04	18.28			
20	256QAM	1	99	18.10	18.15	18.05	19	1.4	
20	256QAM	50	0	18.20	18.12	18.10			
20	256QAM	50	24	18.13	18.15	18.03			
20	256QAM	50	50	18.05	18.11	18.20	19	1.4	
20	256QAM	100	0	18.13	18.04	18.15			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.18	19.22	19.20	20.4	0	
15	QPSK	1	37	19.10	19.06	19.15			
15	QPSK	1	74	19.01	19.11	18.97			
15	QPSK	36	0	19.03	18.99	19.16	20.4	0	
15	QPSK	36	20	19.06	19.06	18.96			
15	QPSK	36	39	18.93	18.95	18.94			
15	QPSK	75	0	19.11	19.19	19.04	20.4	0	
15	16QAM	1	0	19.00	19.04	19.07			
15	16QAM	1	37	18.96	18.95	18.92			
15	16QAM	1	74	18.94	19.06	19.09	20.4	0	
15	16QAM	36	0	18.96	18.98	18.94			
15	16QAM	36	20	19.04	18.99	18.97			
15	16QAM	36	39	18.89	19.11	19.13	20.4	0	
15	16QAM	75	0	18.85	18.96	18.99			
15	64QAM	1	0	18.95	18.92	18.94			
15	64QAM	1	37	19.06	18.98	19.09	20.4	0	
15	64QAM	1	74	19.00	19.03	19.03			
15	64QAM	36	0	19.00	18.89	18.82			
15	64QAM	36	20	19.05	19.09	18.99	20.4	0	
15	64QAM	36	39	18.82	19.10	18.91			
15	64QAM	75	0	19.07	18.89	18.90			
15	256QAM	1	0	18.22	18.28	18.26	19	1.4	
15	256QAM	1	37	18.19	18.17	18.17			
15	256QAM	1	74	18.01	18.14	18.08			
15	256QAM	36	0	18.08	18.29	18.07	19	1.4	
15	256QAM	36	20	18.07	18.01	18.08			
15	256QAM	36	39	18.05	18.09	18.03			
15	256QAM	75	0	18.11	18.14	18.06	20.4	0	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.10	19.18	19.10		20.4	
10	QPSK	1	25	19.05	19.11	19.09			
10	QPSK	1	49	19.01	19.00	18.92			
10	QPSK	25	0	18.91	19.11	19.05	20.4	0	
10	QPSK	25	12	19.08	19.12	18.89			
10	QPSK	25	25	18.99	19.04	18.93			
10	QPSK	50	0	19.06	19.18	18.96	20.4	0	
10	16QAM	1	0	18.96	18.91	19.03			
10	16QAM	1	25	18.93	18.83	18.82			
10	16QAM	1	49	19.02	19.08	19.05	20.4	0	
10	16QAM	25	0	18.93	19.00	18.98			
10	16QAM	25	12	19.02	18.98	18.89			
10	16QAM	25	25	18.90	19.08	19.14	20.4	0	
10	16QAM	50	0	18.96	18.93	18.90			
10	64QAM	1	0	18.97	18.99	18.97			
10	64QAM	1	25	19.00	19.12	19.12	20.4	0	
10	64QAM	1	49	18.91	18.93	18.99			
10	64QAM	25	0	18.95	18.87	18.87			
10	64QAM	25	12	19.06	19.11	19.02	20.4	0	
10	64QAM	25	25	18.95	19.05	18.96			
10	64QAM	50	0	19.01	18.88	18.84			
10	256QAM	1	0	18.29	18.34	18.23	19	1.4	
10	256QAM	1	25	18.09	18.06	18.20			
10	256QAM	1	49	18.15	18.25	18.11			
10	256QAM	25	0	18.11	18.26	18.08	19	1.4	
10	256QAM	25	12	18.17	18.18	18.04			
10	256QAM	25	25	18.10	18.00	18.15			
10	256QAM	50	0	18.19	18.17	18.12	20.4	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.12	19.13	19.21		20.4	
5	QPSK	1	12	19.07	19.06	19.12			
5	QPSK	1	24	19.07	19.08	18.95			
5	QPSK	12	0	18.92	19.01	19.09	20.4	0	
5	QPSK	12	7	18.97	19.00	18.94			
5	QPSK	12	13	19.00	18.97	18.94			
5	QPSK	25	0	19.07	19.10	19.02	20.4	0	
5	16QAM	1	0	18.98	18.95	19.06			
5	16QAM	1	12	19.01	18.90	18.91			
5	16QAM	1	24	19.02	19.13	19.16	20.4	0	
5	16QAM	12	0	18.91	19.01	18.95			
5	16QAM	12	7	19.05	18.93	18.90			
5	16QAM	12	13	18.99	19.00	19.12	20.4	0	
5	16QAM	25	0	18.95	18.99	18.96			
5	64QAM	1	0	18.96	19.03	18.92			
5	64QAM	1	12	19.07	19.01	19.06	20.4	0	
5	64QAM	1	24	18.98	18.98	19.07			
5	64QAM	12	0	18.97	18.86	18.91			
5	64QAM	12	7	18.95	19.13	19.08	20.4	0	
5	64QAM	12	13	18.95	18.99	18.92			
5	64QAM	25	0	19.00	18.88	18.88			
5	256QAM	1	0	18.12	18.34	18.16	19	1.4	
5	256QAM	1	12	18.16	18.07	18.21			
5	256QAM	1	24	18.07	18.09	18.17			
5	256QAM	12	0	18.16	18.14	18.17	19	1.4	
5	256QAM	12	7	18.04	18.16	18.04			
5	256QAM	12	13	18.05	18.02	18.10			
5	256QAM	25	0	18.12	18.11	18.10			

Downlink CA Power

2CA DL

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	UL#	UL	UL#	DL Antenna	LTE	BW	DL	DL	DL Antenna	With CA	Without CA
	Band	Ant	(MHz)	Freq. Channel	Mod.	RB	RB Offset	RB	Configuratio n	Band	(MHz)	Freq. Channel	DL	Configuratio n		
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.23	22.37
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	21.49	21.69
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.07	22.28
	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544	3193	4x4MIMO	22.13	22.28
CA_7B	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2555	3298	4x4MIMO	22.11	22.28
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2688	3425	4x4MIMO	22.16	22.28
CA_7A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2688	3425	4x4MIMO	22.16	22.28
CA_38C	Band 38	Ant1	20M	2590	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2600	38048	4x4MIMO	22.13	22.26
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2613	40818	4x4MIMO	22.79	22.97
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2688	41565	4x4MIMO	22.87	22.97
CA_41A-42A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.87	22.97
CA_42C	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.13	22.29
CA_42C	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3520	42788	4x4MIMO	22.21	22.29

3CA DL

3CA List	SCC								SCC1								SCC2								Power	
	LTE		BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE		BW	DL	DL	DL Antenna Configuration	LTE		BW	DL	DL	DL Antenna Configuration	Tx Power [dBm]	Tx Power [dBm]		
	Band	Ant	(MHz)	(MHz)	Channel	Band					(MHz)	(MHz)	Channel	Band	(MHz)		(MHz)	Channel								
CA_41D	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	22.79	22.97					
CA_41A-41C	Band 41	Ant1	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	22.82	22.97					
CA_41A-41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	22.88	22.97					
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	22.87	22.97					
CA_41A-42C	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.21	22.28					
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.82	22.97					
CA_41C-42A	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.13	22.29					
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	Band 42	20M	3539.6	42986	4x4MIMO	22.20	22.29					

4CA DL

Configure	PCC								SCC1				SCC2				SCC3				Power					
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	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_41C-41C	Band 41	Ant1	20M	2506	39750	QPSK	1	0	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	Band 41	20M	2660.2	41292	4xMIMO	Band 41	20M	2680	41490	4xMIMO	22.76	22.97
CA_41E	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	Band 41	20M	2652.4	41214	4xMIMO	22.81	22.97
CA_41A-41D	Band 41	Ant1	20M	2506	39750	QPSK	1	0	4xMIMO	Band 41	20M	2640.4	41094	4xMIMO	Band 41	20M	2660.2	41292	4xMIMO	Band 41	20M	2680	41490	4xMIMO	22.83	22.97
CA_41A-41A-41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	Band 41	20M	2525.8	39948	4xMIMO	22.84	22.97
CA_41C-42C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	Band 42	20M	3500	42590	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	22.85	22.97
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4xMIMO	Band 42	20M	3519.8	42788	4xMIMO	Band 41	20M	2593	40620	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	22.18	22.29



Uplink CA Power

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	22.10	24.00
21100	21298	QPSK	1	99	1	0	22.21	24.00
21350	21152	QPSK	1	0	1	99	22.18	24.00

Ant1 Full Power

CA_41C								
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		
39750	39948	QPSK	1	99	1	0	22.80	24.00
40185	40383	QPSK	1	99	1	0	22.64	24.00
40620	40818	QPSK	1	99	1	0	22.94	24.00
41055	41253	QPSK	1	99	1	0	22.83	24.00
41292	41490	QPSK	1	99	1	0	22.65	24.00

Ant1 Full Power

CA_41C HPUE								
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		
39750	39948	QPSK	1	99	1	0	26.11	27.00
40185	40383	QPSK	1	99	1	0	26.03	27.00
40620	40818	QPSK	1	99	1	0	26.16	27.00
41055	41253	QPSK	1	99	1	0	25.98	27.00
41292	41490	QPSK	1	99	1	0	25.67	27.00

Ant2 Full Power

CA_42C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	22.21	24.00
42590	42788	QPSK	1	99	1	0	22.25	24.00
42990	42792	QPSK	1	0	1	99	22.12	24.00

Uplink CA Power

Ant5 DS13 Standalone

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20650	21048	QPSK	1	0	1	0	17.86	19.00
21100	21298	QPSK	1	99	1	0	17.92	19.00
21350	21152	QPSK	1	0	1	99	17.90	19.00

Ant1 DS12 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	1	0	19.78	20.30
40185	40383	QPSK	1	99	1	0	19.75	20.30
40620	40818	QPSK	1	99	1	0	19.82	20.30
41055	41253	QPSK	1	99	1	0	19.73	20.30
41490	41292	QPSK	1	0	1	99	19.71	20.30

Ant1 DS12 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.21	21.90
40185	40383	QPSK	1	99	1	0	21.33	21.90
40620	40818	QPSK	1	99	1	0	21.42	21.90
41055	41253	QPSK	1	99	1	0	21.38	21.90
41292	41490	QPSK	1	99	1	0	21.26	21.90

Ant2 DS12 Standalone

CA_42C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	16.95	18.20
42580	42778	QPSK	1	99	1	0	17.01	18.20
42990	42792	QPSK	1	0	1	99	16.87	18.20

Ant5 DS16

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20650	21048	QPSK	1	0	1	0	19.09	20.40
21100	21298	QPSK	1	99	1	0	19.20	20.40
21350	21152	QPSK	1	0	1	99	19.15	20.40

Ant1 DS12 Simultaneous

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	0	1	0	18.28	18.80
40185	40383	QPSK	1	99	1	0	18.35	18.80
40620	40818	QPSK	1	99	1	0	18.38	18.80
41055	41253	QPSK	1	99	1	0	18.32	18.80
41490	41292	QPSK	1	0	1	99	18.35	18.80

Ant1 DS12 Simultaneous

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.75	20.40
40185	40383	QPSK	1	99	1	0	19.71	20.40
40620	40818	QPSK	1	99	1	0	19.82	20.40
41055	41253	QPSK	1	99	1	0	19.81	20.40
41292	41490	QPSK	1	99	1	0	19.77	20.40

Ant2 DS12 Simultaneous

CA_42C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	15.62	17.20
42580	42778	QPSK	1	99	1	0	15.85	17.20
42990	42792	QPSK	1	0	1	99	15.78	17.20

Ant1 DS13 Standalone

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation n	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.54	18.90
40185	40383	QPSK	1	99	1	0	18.99	18.90
40620	40818	QPSK	1	99	1	0	18.82	18.90
41055	41253	QPSK	1	99	1	0	18.53	18.90
41490	41292	QPSK	1	0	1	99	18.57	18.90

Ant1 DS13 Standalone

CA_41C HPUE								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation n	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.28	20.50
40185	40383	QPSK	1	99	1	0	20.21	20.50
40620	40818	QPSK	1	99	1	0	20.31	20.50
41055	41253	QPSK	1	99	1	0	20.25	20.50
41292	41490	QPSK	1	99	1	0	20.08	20.50

Ant2 DS13 Standalone

CA_42C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation n	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	18.11	19.60
42590	42798	QPSK	1	99	1	0	19.28	19.60
42990	42792	QPSK	1	0	1	99	18.17	19.60

Ant1 DS13 Simultaneous

CA_41C								
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		
39750	39948	QPSK	1	99	1	0	18.28	17.40
40185	40383	QPSK	1	99	1	0	18.28	17.40
40620	40818	QPSK	1	99	1	0	18.33	17.40
41055	41253	QPSK	1	99	1	0	18.23	17.40
41490	41292	QPSK	1	0	1	99	18.19	17.40

Ant1 DS13 Simultaneous

CA_41C HPUE								
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		
39750	39948	QPSK	1	99	1	0	17.78	19.00
40185	40383	QPSK	1	99	1	0	17.78	19.00
40620	40818	QPSK	1	99	1	0	17.81	19.00
41055	41253	QPSK	1	99	1	0	17.63	19.00
41292	41490	QPSK	1	99	1	0	17.68	19.00

Ant2 DS13 Simultaneous

CA_42C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	18.58	18.30
42590	42798	QPSK	1	99	1	0	18.62	18.30
42990	42792	QPSK	1	0	1	99	18.54	18.30

Ant1 DS16

CA_41C								
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		
39750	39948	QPSK	1	99	1	0	21.42	22.50
40185	40383	QPSK	1	99	1	0	21.35	22.50
40620	40818	QPSK	1	99	1	0	21.44	22.50
41055	41253	QPSK	1	99	1	0	21.39	22.50
41490	41292	QPSK	1	0	1	99	21.38	22.50

Ant1 DS16

CA_41C HPUE								
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		
39750	39948	QPSK	1	99	1	0	22.81	24.10
40185	40383	QPSK	1	99	1	0	22.73	24.10
40620	40818	QPSK	1	99	1	0	22.86	24.10
41055	41253	QPSK	1	99	1	0	22.73	24.10
41292	41490	QPSK	1	99	1	0	22.64	24.10

Ant2 DS16

CA_42C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	1	99	1	0	20.70	22.00
42590	42798	QPSK	1	99	1	0	20.75	22.00
42990	42792	QPSK	1	0	1	99	20.66	22.00

Full & Default power

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	22.75	22.81	22.69			
20	PI/2 BPSK	1	53	22.53	22.68	22.59	24.0	0.0	
20	PI/2 BPSK	1	104	22.49	22.62	22.57			
20	PI/2 BPSK	50	0	22.22	22.32	22.23		0.5	
20	PI/2 BPSK	50	28	22.57	22.67	22.58	23.5	0.5	
20	PI/2 BPSK	50	56	22.07	22.16	22.02			
20	PI/2 BPSK	100	0	22.27	22.34	22.22			
20	QPSK	1	1	22.87	22.88	22.82	24.0	0.0	
20	QPSK	1	53	22.64	22.71	22.65			
20	QPSK	1	104	22.40	22.54	22.51			
20	QPSK	50	0	21.75	21.86	21.80	23.0	1.0	
20	QPSK	50	28	22.60	22.71	22.66			
20	QPSK	50	56	21.67	21.75	21.61			
20	QPSK	100	0	21.72	21.83	21.72	23.0	1.0	
20	16QAM	1	1	21.64	21.76	21.70			
20	64QAM	1	1	20.20	20.34	20.27		2.5	
20	256QAM	1	1	18.14	18.29	18.17	19.5	4.5	
Channel				166300	167300	168300	24.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.74	22.83	22.70			
Channel				165800	167300	168800	24.0	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.76	22.79	22.75			
Channel				165300	167300	169300	24.0	0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.77	22.85	22.69			

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.19	23.25	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.19	23.13		
20	PI/2 BPSK	1	104	22.91	23.02	22.95		
20	PI/2 BPSK	50	0	22.57	22.66	22.54	23.5	0.5
20	PI/2 BPSK	50	28	22.92	22.99	22.87	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.49	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.56	22.63	22.57		
20	QPSK	1	1	23.23	23.28	23.19	24.0	0.0
20	QPSK	1	53	22.84	22.98	22.90		
20	QPSK	1	104	22.75	22.85	22.72		
20	QPSK	50	0	22.08	22.15	22.01	23.0	1.0
20	QPSK	50	28	22.88	23.01	22.92	24.0	0.0
20	QPSK	50	56	21.91	22.01	21.96	23.0	1.0
20	QPSK	100	0	22.20	22.25	22.14		
20	16QAM	1	1	22.13	22.24	22.20	23.0	1.0
20	64QAM	1	1	21.18	21.31	21.17	21.5	2.5
20	256QAM	1	1	18.66	18.72	18.58	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	23.16	23.23	23.12		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	23.10	23.15	23.07		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	23.11	23.18	23.09		

n7 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.53	22.57	22.48	24.0	0.0
40	PI/2 BPSK	1	108	22.46	22.54	22.46		
40	PI/2 BPSK	1	214	22.55	22.60	22.48		
40	PI/2 BPSK	108	0	22.05	22.15	22.10	23.5	0.5
40	PI/2 BPSK	108	54	22.49	22.59	22.54	24.0	0.0
40	PI/2 BPSK	108	108	22.00	22.13	22.07	23.5	0.5
40	PI/2 BPSK	216	0	22.15	22.21	22.09		
40	QPSK	1	1	22.62	22.66	22.59		
40	QPSK	1	108	22.52	22.63	22.57	24.0	0.0
40	QPSK	1	214	22.44	22.59	22.47		
40	QPSK	108	0	21.66	21.72	21.64	23.0	1.0
40	QPSK	108	54	22.53	22.61	22.54	24.0	0.0
40	QPSK	108	108	21.61	21.71	21.64	23.0	1.0
40	QPSK	216	0	21.68	21.74	21.64		
40	16QAM	1	1	21.43	21.54	21.39	23.0	1.0
40	64QAM	1	1	19.86	20.00	19.88	21.5	2.5
40	256QAM	1	1	17.81	17.87	17.75	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.54	22.59	22.56	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	22.49	22.52	22.51	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.48	22.51	22.47	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	22.50	22.59	22.51	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.52	22.56	22.52	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	22.57	22.59	22.52	24.0	0.0



Part270 n77 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3840	3930		
100	PI2 BPSK	1	1	22.38	22.51	22.44	24.0	0.0
100	PI2 BPSK	1	137	22.25	22.34	22.29		
100	PI2 BPSK	1	271	22.41	22.48	22.36		
100	PI2 BPSK	135	0	21.64	21.80	21.75	23.5	0.5
100	PI2 BPSK	135	69	22.13	22.28	22.14	24.0	0.0
100	PI2 BPSK	135	138	21.76	21.81	21.67	23.5	0.5
100	PI2 BPSK	270	0	21.70	21.88	21.68		
100	QPSK	1	1	22.48	22.55	22.42		
100	QPSK	1	137	22.39	22.45	22.40	24.0	0.0
100	QPSK	1	271	22.15	22.26	22.16		
100	QPSK	135	0	21.28	21.42	21.36	23.0	1.0
100	QPSK	135	69	22.35	22.45	22.42	24.0	0.0
100	QPSK	135	138	21.45	21.46	21.40	23.0	1.0
100	QPSK	270	0	21.50	21.55	21.42		
100	16QAM	1	1	21.36	21.44	21.34	23.0	1.0
100	64QAM	1	1	19.55	19.67	19.59	21.5	2.5
100	256QAM	1	1	17.73	17.85	17.75	19.5	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.35	22.44	22.31	24.0	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.41	22.41	22.34	24.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.38	22.50	22.35	24.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.40	22.43	22.29	24.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.44	22.45	22.30	24.0	0.0
Channel				647668	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.48	22.33	24.0	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.36	22.51	22.39	24.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.37	22.48	22.31	24.0	0.0

Part270 n77 PC2 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3840	3930		
100	PI2 BPSK	1	1	25.50	25.55	25.45	27.0	0.0
100	PI2 BPSK	1	137	25.35	25.43	25.40		
100	PI2 BPSK	1	271	25.26	25.35	25.28		
100	PI2 BPSK	135	0	24.83	24.91	24.81	26.5	0.5
100	PI2 BPSK	135	69	25.33	25.38	25.34	27.0	0.0
100	PI2 BPSK	135	138	24.91	25.00	24.97	26.5	0.5
100	PI2 BPSK	270	0	24.92	25.07	25.02		
100	QPSK	1	1	25.53	25.61	25.57		
100	QPSK	1	137	25.38	25.47	25.38	27.0	0.0
100	QPSK	1	271	25.53	25.57	25.43		
100	QPSK	135	0	24.29	24.42	24.29	26.0	1.0
100	QPSK	135	69	25.27	25.41	25.32	27.0	0.0
100	QPSK	135	138	24.47	24.58	24.33	26.0	1.0
100	QPSK	270	0	24.58	24.81	24.50		
100	16QAM	1	1	24.33	24.44	24.34	26.0	1.0
100	64QAM	1	1	22.55	22.66	22.57	24.5	2.5
100	256QAM	1	1	20.71	20.84	20.74	22.5	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.49	25.53	25.51	27.0	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.44	25.58	25.51	27.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.41	25.54	25.48	27.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.39	25.52	25.44	27.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.49	25.53	25.46	27.0	0.0
Channel				647668	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.45	25.48	25.50	27.0	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.48	25.55	25.45	27.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.43	25.51	25.51	27.0	0.0

Part270 n78 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3760	3760	3760		
100	PI2 BPSK	1	1		22.41		24.0	0.0
100	PI2 BPSK	1	137		22.17			
100	PI2 BPSK	1	271		22.09			
100	PI2 BPSK	135	0		21.91		23.5	0.5
100	PI2 BPSK	135	69		22.13		24.0	0.0
100	PI2 BPSK	135	138		21.56		23.5	0.5
100	PI2 BPSK	270	0		21.62			
100	QPSK	1	1		22.45			
100	QPSK	1	137		22.15		24.0	0.0
100	QPSK	1	271		22.03			
100	QPSK	135	0		21.41		23.0	1.0
100	QPSK	135	69		22.15		24.0	0.0
100	QPSK	135	138		21.02		23.0	1.0
100	QPSK	270	0		21.18			
100	16QAM	1	1		21.59		23.0	1.0
100	64QAM	1	1		20.28		21.5	2.5
100	256QAM	1	1		17.55		19.5	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3760	3755.01		
90	QPSK	1	1	22.36	22.40	22.33	24.0	0.0
Channel				649334	650000	660968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3760	3760.02		
80	QPSK	1	1	22.29	22.32	22.34	24.0	0.0
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3760	3765		
70	QPSK	1	1	22.34	22.39	22.39	24.0	0.0
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3760	3770.01		
60	QPSK	1	1	22.36	22.36	22.33	24.0	0.0
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3760	3775.02		
50	QPSK	1	1	22.35	22.41	22.34	24.0	0.0
Channel				647668	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3760	3780		
40	QPSK	1	1	22.39	22.34	22.39	24.0	0.0
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3760	3785.01		
30	QPSK	1	1	22.41	22.37	22.35	24.0	0.0
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3760	3790.02		
20	QPSK	1	1	22.33	22.31	22.36	24.0	0.0

Part270 n78 PC2 Ant2

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	PI/2 BPSK	1	1		25.43			
100	PI/2 BPSK	1	137		25.35		27.0	0.0
100	PI/2 BPSK	1	271		25.34			
100	PI/2 BPSK	135	0		25.01		28.5	0.5
100	PI/2 BPSK	135	69		25.29		27.0	0.0
100	PI/2 BPSK	135	138		24.81		28.5	0.5
100	PI/2 BPSK	270	0		24.97			
100	QPSK	1	1		25.46			
100	QPSK	1	137		25.45		27.0	0.0
100	QPSK	1	271		25.19			
100	QPSK	135	0		24.53		28.0	1.0
100	QPSK	135	69		25.38		27.0	0.0
100	QPSK	135	138		24.29		28.0	1.0
100	QPSK	270	0		24.43			
100	16QAM	1	1		24.60		28.0	1.0
100	64QAM	1	1		22.91		24.5	2.5
100	256QAM	1	1		21.01		22.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.38	25.39	25.39	27.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.41	25.39	25.37	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.37	25.34	25.45	27.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.44	25.40	25.35	27.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.37	25.44	25.34	27.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.42	25.34	25.34	27.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	25.39	25.37	25.34	27.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.45	25.38	25.43	27.0	0.0



Part270 n77 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.79	20.77	20.75			
100	PI2 BPSK	1	137	20.69	20.73	20.77		0.0	
100	PI2 BPSK	1	271	20.53	20.61	20.74			
100	PI2 BPSK	135	0	20.16	20.28	20.27	21.0	0.5	
100	PI2 BPSK	135	69	20.76	20.75	20.68	21.5	0.0	
100	PI2 BPSK	135	138	20.15	20.24	20.18	21.0	0.5	
100	PI2 BPSK	270	0	20.25	20.32	20.27			
100	QPSK	1	1	20.67	20.90	20.85			
100	QPSK	1	137	20.60	20.70	20.69	21.5	0.0	
100	QPSK	1	271	20.47	20.61	20.58			
100	QPSK	135	0	19.69	19.87	19.74	20.5	1.0	
100	QPSK	135	69	20.62	20.77	20.69	21.5	0.0	
100	QPSK	135	138	19.56	19.67	19.62	20.5	1.0	
100	QPSK	270	0	19.72	19.83	19.63			
100	16QAM	1	1	19.71	19.81	19.76	20.5	1.0	
100	64QAM	1	1	18.71	18.78	18.71	19.0	2.5	
100	256QAM	1	1	16.10	16.15	16.05	17.0	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.59	20.85	20.74	21.5	0.0	
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.63	20.76	20.68	21.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.51	20.81	20.67	21.5	0.0	
Channel				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.50	20.84	20.71	21.5	0.0	
Channel				648334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.56	20.85	20.69	21.5	0.0	
Channel				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3840	3960.01			
40	QPSK	1	1	20.58	20.81	20.70	21.5	0.0	
Channel				647668	650000	644334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.54	20.79	20.69	21.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.59	20.74	20.72	21.5	0.0	

Part270 n77 PC2 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.62	23.67	23.69			
100	PI2 BPSK	1	137	23.71	23.72	23.58	24.5	0.0	
100	PI2 BPSK	1	271	23.66	23.64	23.60			
100	PI2 BPSK	135	0	23.09	23.12	23.20	24.0	0.5	
100	PI2 BPSK	135	69	23.58	23.70	23.60	24.5	0.0	
100	PI2 BPSK	135	138	23.08	23.20	23.12	24.0	0.5	
100	PI2 BPSK	270	0	23.14	23.15	23.17			
100	QPSK	1	1	23.53	23.83	23.74			
100	QPSK	1	137	23.54	23.85	23.68	24.5	0.0	
100	QPSK	1	271	23.57	23.55	23.47			
100	QPSK	135	0	22.62	22.72	22.57	23.5	1.0	
100	QPSK	135	69	23.55	23.67	23.54	24.5	0.0	
100	QPSK	135	138	22.66	22.69	22.56	23.5	1.0	
100	QPSK	270	0	22.57	22.70	22.54			
100	16QAM	1	1	22.70	22.83	22.72	23.5	1.0	
100	64QAM	1	1	21.64	21.71	21.61	22.0	2.5	
100	256QAM	1	1	19.12	19.14	19.06	20.0	4.5	
Channel				646668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.52	23.75	23.61	24.5	0.0	
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.57	23.73	23.65	24.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.56	23.69	23.55	24.5	0.0	
Channel				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.51	23.73	23.59	24.5	0.0	
Channel				648334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.54	23.68	23.67	24.5	0.0	
Channel				648000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.60	23.66	23.62	24.5	0.0	
Channel				647668	650000	644334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.55	23.73	23.60	24.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.58	23.64	23.60	24.5	0.0	

Part270 n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		20.17		21.5	0.0	
100	PI2 BPSK	1	137		20.03				
100	PI2 BPSK	1	271		19.71				
100	PI2 BPSK	135	0		19.71		21.0	0.5	
100	PI2 BPSK	135	69		19.97		21.5	0.0	
100	PI2 BPSK	135	138		19.26		21.0	0.5	
100	PI2 BPSK	270	0		19.53				
100	QPSK	1	1		20.23				
100	QPSK	1	137		20.11		21.5	0.0	
100	QPSK	1	271		19.85				
100	QPSK	135	0		19.18		20.5	1.0	
100	QPSK	135	69		19.94		21.5	0.0	
100	QPSK	135	138		18.96		20.5	1.0	
100	QPSK	270	0		19.03				
100	16QAM	1	1		19.27		20.5	1.0	
100	64QAM	1	1		18.18		19.0	2.5	
100	256QAM	1	1		15.48		17.0	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.15	20.12	20.18	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.09	20.09	20.14	21.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.16	20.10	20.12	21.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.14	20.20	20.16	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.13	20.19	20.17	21.5	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.14	20.17	20.15	21.5	0.0	
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.18	20.11	20.17	21.5	0.0	
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.16	20.19	20.11	21.5	0.0	

Part270 n78 PC2 Ant3

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	PI/2 BPSK	1	1		21.13			
100	PI/2 BPSK	1	137		21.03		22.5	0.0
100	PI/2 BPSK	1	271		20.76			
100	PI/2 BPSK	135	0		20.73		22.0	0.5
100	PI/2 BPSK	135	69		21.02		22.5	0.0
100	PI/2 BPSK	135	138		20.25		22.0	0.5
100	PI/2 BPSK	270	0		20.54			
100	QPSK	1	1		21.21			
100	QPSK	1	137		21.07		22.5	0.0
100	QPSK	1	271		20.83			
100	QPSK	135	0		20.17		21.5	1.0
100	QPSK	135	69		20.84		22.5	0.0
100	QPSK	135	138		20.02			
100	QPSK	270	0		20.03		21.5	1.0
100	16QAM	1	1		20.27		21.5	1.0
100	64QAM	1	1		19.19		20.0	2.5
100	256QAM	1	1		18.48		18.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.10	21.17	21.09	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.10	21.18	21.11	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.16	21.13	21.16	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	21.08	21.08	21.07	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.14	21.14	21.11	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.12	21.09	21.07	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3745.01		
30	QPSK	1	1	21.13	21.12	21.10	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3780.02		
20	QPSK	1	1	21.11	21.15	21.10	22.5	0.0



Part270 n77 Ant5

BW [MHz]	Modulation	RB 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	PV2 BPSK	1	1	18.31	18.36	18.25		
100	PV2 BPSK	1	137	18.22	18.32	18.21	19.5	0.0
100	PV2 BPSK	1	271	18.08	18.23	18.16		
100	PV2 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	PV2 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	PV2 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	PV2 BPSK	270	0	17.77	17.92	17.82		
100	QPSK	1	1	18.32	18.42	18.27		
100	QPSK	1	137	18.31	18.36	18.34	19.5	0.0
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.36	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32		
100	16QAM	1	1	17.25	17.29	17.23	18.5	1.0
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.18	18.20	18.14	19.5	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.18	18.32	18.22	19.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel								
Frequency (MHz)				3720.02	3840	3950.01		
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.22	18.34	18.21	19.5	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.29	18.28	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	Modulation	RB 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	PV2 BPSK	1	1	21.44	21.55	21.41		
100	PV2 BPSK	1	137	21.39	21.57	21.42	22.5	0.0
100	PV2 BPSK	1	271	21.23	21.45	21.38		
100	PV2 BPSK	135	0	20.94	21.11	21.08	22.0	0.5
100	PV2 BPSK	135	69	21.52	21.54	21.58	22.5	0.0
100	PV2 BPSK	135	138	20.99	21.12	20.98	22.0	0.5
100	PV2 BPSK	270	0	21.07	21.11	21.04		
100	QPSK	1	1	21.55	21.62	21.50		
100	QPSK	1	137	21.48	21.51	21.52	22.5	0.0
100	QPSK	1	271	21.52	21.45	21.40		
100	QPSK	135	0	20.58	20.81	20.68	21.5	1.0
100	QPSK	135	69	21.38	21.60	21.37	22.5	0.0
100	QPSK	135	138	20.44	20.45	20.38	21.5	1.0
100	QPSK	270	0	20.48	20.54	20.46		
100	16QAM	1	1	20.45	20.46	20.44	21.5	1.0
100	64QAM	1	1	18.79	18.90	18.80	20.0	2.5
100	256QAM	1	1	16.57	16.60	16.53	18.0	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.49	21.54	21.37	22.5	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.40	21.58	21.40	22.5	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.49	21.46	21.47	22.5	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.49	21.55	21.43	22.5	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.46	21.42	21.44	22.5	0.0
Channel								
Frequency (MHz)				3720.02	3840	3950.01		
40	QPSK	1	1	21.45	21.55	21.42	22.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.42	21.60	21.30	22.5	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.40	21.53	21.44	22.5	0.0

Part270 n78 Ant5

BW [MHz]	Modulation	RB 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	PV2 BPSK	1	1			18.78		
100	PV2 BPSK	1	137			18.61	19.5	0.0
100	PV2 BPSK	1	271			18.53		
100	PV2 BPSK	135	0			18.25	19.0	0.5
100	PV2 BPSK	135	69			18.64	19.5	0.0
100	PV2 BPSK	135	138			17.93	19.0	0.5
100	PV2 BPSK	270	0			18.01		
100	QPSK	1	1			18.83		
100	QPSK	1	137			18.77	19.5	0.0
100	QPSK	1	271			18.49		
100	QPSK	135	0			17.75	18.5	1.0
100	QPSK	135	69			18.53	19.5	0.0
100	QPSK	135	138			17.46	18.5	1.0
100	QPSK	270	0			17.52		
100	16QAM	1	1			17.82	18.5	1.0
100	64QAM	1	1			16.48	17.0	2.5
100	256QAM	1	1			14.06	15.0	4.5
Channel								
Frequency (MHz)				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel								
Frequency (MHz)				649334	650000	660668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	18.73	18.80	18.70	19.5	0.0
Channel								
Frequency (MHz)				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	18.78	18.71	18.77	19.5	0.0
Channel								
Frequency (MHz)				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel								
Frequency (MHz)				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel								
Frequency (MHz)				3720.02	3750	3780.01		
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel								
Frequency (MHz)				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.70	18.69	18.73	19.5	0.0
Channel								
Frequency (MHz)				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5

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	PI/2 BPSK	1	1		19.74			
100	PI/2 BPSK	1	137		19.57		21.0	0.0
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		19.32		20.5	0.5
100	PI/2 BPSK	135	69		19.66		21.0	0.0
100	PI/2 BPSK	135	138		18.98		20.5	0.5
100	PI/2 BPSK	270	0		18.99			
100	QPSK	1	1		19.84			
100	QPSK	1	137		19.79		21.0	0.0
100	QPSK	1	271		19.49			
100	QPSK	135	0		18.70		20.0	1.0
100	QPSK	135	69		19.51		21.0	0.0
100	QPSK	135	138		18.47		20.0	1.0
100	QPSK	270	0		18.59			
100	16QAM	1	1		18.78		20.0	1.0
100	64QAM	1	1		17.51		18.5	2.5
100	256QAM	1	1		15.11		16.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.74	19.70	19.76	21.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.69	19.75	19.73	21.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.71	19.69	19.70	21.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.70	19.78	19.74	21.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.77	19.71	19.79	21.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.72	19.77	19.79	21.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.74	19.79	19.76	21.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.78	19.72	19.73	21.0	0.0



Part270 n77 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	19.37	19.42	19.44	21.0	0.0
100	PV2 BPSK	1	137	19.20	19.29	19.28		
100	PV2 BPSK	1	271	19.17	19.29	19.15		
100	PV2 BPSK	135	0	18.55	18.56	18.58		
100	PV2 BPSK	135	69	19.28	19.32	19.24	21.0	0.0
100	PV2 BPSK	135	138	18.62	18.54	18.61	20.5	0.5
100	PV2 BPSK	270	0	18.56	18.62	18.65		
100	QPSK	1	1	19.40	19.46	19.42	21.0	0.0
100	QPSK	1	137	19.41	19.47	19.27		
100	QPSK	1	271	19.29	19.35	19.28	20.0	1.0
100	QPSK	135	0	18.42	18.55	18.35		
100	QPSK	135	69	19.28	19.44	19.39		
100	QPSK	135	138	18.26	18.42	18.35		
100	QPSK	270	0	18.41	18.45	18.44	20.0	1.0
100	16QAM	1	1	18.09	18.17	18.07	20.0	1.0
100	64QAM	1	1	16.58	16.70	16.66	18.5	2.5
100	256QAM	1	1	14.76	14.91	14.74	16.5	4.5
Channel				648668	650000	663334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.36	19.36	19.35	21.0	0.0
Channel				649334	650000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.27	19.35	19.34	21.0	0.0
Channel				649000	650000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.27	19.42	19.39	21.0	0.0
Channel				648668	650000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.31	19.40	19.39	21.0	0.0
Channel				648334	650000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.31	19.37	19.31	21.0	0.0
Channel				648000	650000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.34	19.43	19.37	21.0	0.0
Channel				647668	650000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.27	19.44	19.39	21.0	0.0
Channel				647334	650000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.34	19.36	19.30	21.0	0.0

Part270 n77 PC2 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	22.27	22.43	22.36	24.0	0.0
100	PV2 BPSK	1	137	22.42	22.41	22.39		
100	PV2 BPSK	1	271	22.18	22.33	22.38		
100	PV2 BPSK	135	0	21.98	22.06	21.84		
100	PV2 BPSK	135	69	22.38	22.52	22.41	24.0	0.0
100	PV2 BPSK	135	138	21.87	22.09	21.85	23.5	0.5
100	PV2 BPSK	270	0	22.12	22.11	21.97		
100	QPSK	1	1	22.46	22.55	22.50	24.0	0.0
100	QPSK	1	137	22.38	22.53	22.40		
100	QPSK	1	271	22.38	22.46	22.34	23.0	1.0
100	QPSK	135	0	21.47	21.49	21.33		
100	QPSK	135	69	22.33	22.51	22.35		
100	QPSK	135	138	21.37	21.46	21.35		
100	QPSK	270	0	21.45	21.55	21.43	23.0	1.0
100	16QAM	1	1	21.17	21.28	21.10	23.0	1.0
100	64QAM	1	1	19.73	19.81	19.72	21.5	2.5
100	256QAM	1	1	17.88	17.98	17.90	19.5	4.5
Channel				648668	650000	663334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.41	22.47	22.44	24.0	0.0
Channel				649334	650000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.36	22.47	22.39	24.0	0.0
Channel				649000	650000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.37	22.43	22.40	24.0	0.0
Channel				648668	650000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.33	22.47	22.41	24.0	0.0
Channel				648334	650000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.38	22.52	22.41	24.0	0.0
Channel				648000	650000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.34	22.47	22.38	24.0	0.0
Channel				647668	650000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.33	22.42	22.40	24.0	0.0
Channel				647334	650000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.35	22.49	22.44	24.0	0.0

Part270 n78 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PV2 BPSK	1	1			19.49	21.0	0.0
100	PV2 BPSK	1	137			19.41		
100	PV2 BPSK	1	271			19.46		
100	PV2 BPSK	135	0			19.95		
100	PV2 BPSK	135	69			19.43	21.0	0.0
100	PV2 BPSK	135	138			19.02	20.5	0.5
100	PV2 BPSK	270	0			19.06		
100	QPSK	1	1			19.00	21.0	0.0
100	QPSK	1	137			19.55		
100	QPSK	1	271			19.58	20.0	1.0
100	QPSK	135	0			18.71		
100	QPSK	135	69			19.56		
100	QPSK	135	138			18.50		
100	QPSK	270	0			19.59	20.0	1.0
100	16QAM	1	1			18.62	20.0	1.0
100	64QAM	1	1			16.90	18.5	2.5
100	256QAM	1	1			15.31	16.5	4.5
Channel				648668	650000	663334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.52	19.49	19.46	21.0	0.0
Channel				649334	650000	660968		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.42	19.39	19.40	21.0	0.0
Channel				649000	650000	661000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.47	19.50	19.46	21.0	0.0
Channel				648668	650000	661334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.50	19.44	19.42	21.0	0.0
Channel				648334	650000	661668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.44	19.39	19.45	21.0	0.0
Channel				648000	650000	662000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.50	19.42	19.46	21.0	0.0
Channel				647668	650000	662334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.48	19.43	19.35	21.0	0.0
Channel				647334	650000	662668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.49	19.39	19.38	21.0	0.0

Part270 n78 PC2 Ant7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	24.0	0.0
Frequency (MHz)				3750	3750	3750		
100	Pl2 BPSK	1	1		22.50		24.0	0.0
100	Pl2 BPSK	1	137		22.41			
100	Pl2 BPSK	1	271		22.32		23.5	0.5
100	Pl2 BPSK	135	0		22.08			
100	Pl2 BPSK	135	69		22.52		24.0	0.0
100	Pl2 BPSK	135	138		21.98			
100	Pl2 BPSK	270	0		22.12		23.5	0.5
100	QPSK	1	1		22.35			
100	QPSK	1	137		22.44		24.0	0.0
100	QPSK	1	271		22.43			
100	QPSK	135	0		21.48		23.0	1.0
100	QPSK	135	69		22.53			
100	QPSK	135	138		21.52		23.0	1.0
100	QPSK	270	0		21.59			
100	16QAM	1	1		21.26		23.0	1.0
100	64QAM	1	1		19.75			
100	256QAM	1	1		17.84		19.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.42	22.48	22.39	24.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.37	22.39	22.27		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.37	22.36	22.27	24.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3750.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.28	22.41	22.25		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.33	22.34	22.35	24.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.29	22.44	22.29		
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	22.31	22.34	22.29	24.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.34	22.39	22.31		

Reduced Power Mode for DS12 Standalone

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	22.75	22.81	22.69	24.0	0.0	
20	PI/2 BPSK	1	53	22.53	22.68	22.59			
20	PI/2 BPSK	1	104	22.49	22.62	22.57			
20	PI/2 BPSK	50	0	22.22	22.32	22.23			
20	PI/2 BPSK	50	28	22.57	22.67	22.58	24.0	0.0	
20	PI/2 BPSK	50	56	22.07	22.16	22.02	23.5	0.5	
20	PI/2 BPSK	100	0	22.27	22.34	22.22			
20	QPSK	1	1	22.87	22.88	22.82	24.0	0.0	
20	QPSK	1	53	22.64	22.71	22.65			
20	QPSK	1	104	22.40	22.54	22.51			
20	QPSK	50	0	21.75	21.86	21.80	23.0	1.0	
20	QPSK	50	28	22.60	22.71	22.66	24.0	0.0	
20	QPSK	50	56	21.67	21.75	21.61	23.0	1.0	
20	QPSK	100	0	21.72	21.83	21.72			
20	16QAM	1	1	21.64	21.76	21.70	23.0	1.0	
20	64QAM	1	1	20.20	20.34	20.27	21.5	2.5	
20	256QAM	1	1	18.14	18.29	18.17	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.74	22.83	22.70			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.76	22.79	22.75			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.77	22.85	22.69			

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.19	23.25	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.19	23.13		
20	PI/2 BPSK	1	104	22.91	23.02	22.95		
20	PI/2 BPSK	50	0	22.57	22.66	22.54	23.5	0.5
20	PI/2 BPSK	50	28	22.92	22.99	22.87	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.49	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.56	22.63	22.57		
20	QPSK	1	1	23.23	23.28	23.19	24.0	0.0
20	QPSK	1	53	22.84	22.98	22.90		
20	QPSK	1	104	22.75	22.85	22.72		
20	QPSK	50	0	22.08	22.15	22.01	23.0	1.0
20	QPSK	50	28	22.88	23.01	22.92	24.0	0.0
20	QPSK	50	56	21.91	22.01	21.96	23.0	1.0
20	QPSK	100	0	22.20	22.25	22.14		
20	16QAM	1	1	22.13	22.24	22.20	23.0	1.0
20	64QAM	1	1	21.18	21.31	21.17	21.5	2.5
20	256QAM	1	1	18.66	18.72	18.58	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	23.16	23.23	23.12		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	23.10	23.15	23.07		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	23.11	23.18	23.09		

Part270 n77 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.8	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.45	16.61	16.55	17.8	0.0
100	PI/2 BPSK	1	137	16.53	16.54	16.59		
100	PI/2 BPSK	1	271	16.51	16.59	16.50		
100	PI/2 BPSK	135	0	16.45	16.57	16.49		
100	PI/2 BPSK	135	69	16.49	16.60	16.59	17.8	0.0
100	PI/2 BPSK	135	138	16.49	16.51	16.58	17.8	0.0
100	PI/2 BPSK	270	0	16.52	16.52	16.58	17.8	0.0
100	QPSK	1	1	16.58	16.65	16.62		
100	QPSK	1	137	16.47	16.62	16.54		
100	QPSK	1	271	16.48	16.58	16.58		
100	QPSK	135	0	16.45	16.53	16.47	17.8	0.0
100	QPSK	135	69	16.48	16.63	16.58	17.8	0.0
100	QPSK	135	138	16.45	16.44	16.49	17.8	0.0
100	QPSK	270	0	16.52	16.58	16.57		
100	16QAM	1	1	16.53	16.50	16.47		
100	64QAM	1	1	16.43	16.56	16.50		
100	256QAM	1	1	16.54	16.57	16.56	17.8	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	16.46	16.59	16.55	17.8	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	16.46	16.53	16.55	17.8	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3940	3945	(dBm)	(dB)
70	QPSK	1	1	16.54	16.55	16.51	17.8	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	16.51	16.51	16.56	17.8	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	16.53	16.61	16.48	17.8	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.42	16.61	16.56	17.8	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	16.51	16.52	16.53	17.8	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	16.45	16.56	16.48	17.8	0.0

Part270 n78 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	17.8	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.38		17.8	0.0
100	PI/2 BPSK	1	137		16.41			
100	PI/2 BPSK	1	271		16.47			
100	PI/2 BPSK	135	0		16.36			
100	PI/2 BPSK	135	69		16.40		17.8	0.0
100	PI/2 BPSK	135	138		16.28		17.8	0.0
100	PI/2 BPSK	270	0		16.32			
100	QPSK	1	1		16.53			
100	QPSK	1	137		16.45			
100	QPSK	1	271		16.34		17.8	0.0
100	QPSK	135	0		16.41			
100	QPSK	135	69		16.44			
100	QPSK	135	138		16.21			
100	QPSK	270	0		16.35		17.8	0.0
100	16QAM	1	1		16.34		17.8	0.0
100	64QAM	1	1		16.27		17.8	0.0
100	256QAM	1	1		16.35		17.8	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	16.40	16.30	16.24	17.8	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	16.36	16.32	16.19	17.8	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.39	16.35	16.13	17.8	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	16.39	16.29	16.18	17.8	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.45	16.35	16.21	17.8	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.43	16.33	16.13	17.8	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	16.34	16.31	16.17	17.8	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.44	16.36	16.18	17.8	0.0



Part270 n77 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.79	20.77	20.75			
100	PI2 BPSK	1	137	20.69	20.73	20.77		0.0	
100	PI2 BPSK	1	271	20.53	20.61	20.74			
100	PI2 BPSK	135	0	20.16	20.28	20.27	21.0	0.5	
100	PI2 BPSK	135	69	20.76	20.75	20.68	21.5	0.0	
100	PI2 BPSK	135	138	20.15	20.24	20.18	21.0	0.5	
100	PI2 BPSK	270	0	20.25	20.32	20.27			
100	QPSK	1	1	20.67	20.90	20.85			
100	QPSK	1	137	20.60	20.70	20.69	21.5	0.0	
100	QPSK	1	271	20.47	20.61	20.58			
100	QPSK	135	0	19.69	19.87	19.74	20.5	1.0	
100	QPSK	135	69	20.62	20.77	20.69	21.5	0.0	
100	QPSK	135	138	19.56	19.67	19.62	20.5	1.0	
100	QPSK	270	0	19.72	19.83	19.63			
100	16QAM	1	1	19.71	19.81	19.76	20.5	1.0	
100	64QAM	1	1	18.71	18.78	18.71	19.0	2.5	
100	256QAM	1	1	16.10	16.15	16.05	17.0	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.59	20.85	20.74	21.5	0.0	
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.63	20.76	20.68	21.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.51	20.81	20.67	21.5	0.0	
Channel				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.50	20.84	20.71	21.5	0.0	
Channel				648334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.56	20.85	20.69	21.5	0.0	
Channel				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3840	3960.01			
40	QPSK	1	1	20.58	20.81	20.70	21.5	0.0	
Channel				647668	650000	644334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.54	20.79	20.69	21.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.59	20.74	20.72	21.5	0.0	

Part270 n77 PC2 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.62	23.67	23.69			
100	PI2 BPSK	1	137	23.71	23.72	23.58	24.5	0.0	
100	PI2 BPSK	1	271	23.66	23.64	23.60			
100	PI2 BPSK	135	0	23.09	23.12	23.20	24.0	0.5	
100	PI2 BPSK	135	69	23.58	23.70	23.60	24.5	0.0	
100	PI2 BPSK	135	138	23.08	23.20	23.12	24.0	0.5	
100	PI2 BPSK	270	0	23.14	23.15	23.17			
100	QPSK	1	1	23.53	23.83	23.74			
100	QPSK	1	137	23.54	23.85	23.68	24.5	0.0	
100	QPSK	1	271	23.57	23.55	23.47			
100	QPSK	135	0	22.62	22.72	22.57	23.5	1.0	
100	QPSK	135	69	23.55	23.67	23.54	24.5	0.0	
100	QPSK	135	138	22.66	22.69	22.56	23.5	1.0	
100	QPSK	270	0	22.57	22.70	22.54			
100	16QAM	1	1	22.70	22.83	22.72	23.5	1.0	
100	64QAM	1	1	21.64	21.71	21.61	22.0	2.5	
100	256QAM	1	1	19.12	19.14	19.06	20.0	4.5	
Channel				646668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.52	23.75	23.61	24.5	0.0	
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.57	23.73	23.65	24.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.56	23.69	23.55	24.5	0.0	
Channel				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.51	23.73	23.59	24.5	0.0	
Channel				648334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.54	23.68	23.67	24.5	0.0	
Channel				648000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.60	23.66	23.62	24.5	0.0	
Channel				647668	650000	644334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.55	23.73	23.60	24.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.58	23.64	23.60	24.5	0.0	

Part270 n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		20.17		21.5	0.0	
100	PI2 BPSK	1	137		20.03				
100	PI2 BPSK	1	271		19.71				
100	PI2 BPSK	135	0		19.71		21.0	0.5	
100	PI2 BPSK	135	69		19.97		21.5	0.0	
100	PI2 BPSK	135	138		19.26		21.0	0.5	
100	PI2 BPSK	270	0		19.53				
100	QPSK	1	1		20.23				
100	QPSK	1	137		20.11		21.5	0.0	
100	QPSK	1	271		19.85				
100	QPSK	135	0		19.18		20.5	1.0	
100	QPSK	135	69		19.94		21.5	0.0	
100	QPSK	135	138		18.96		20.5	1.0	
100	QPSK	270	0		19.03				
100	16QAM	1	1		19.27		20.5	1.0	
100	64QAM	1	1		18.18		19.0	2.5	
100	256QAM	1	1		15.48		17.0	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.15	20.12	20.18	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.09	20.09	20.14	21.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.16	20.10	20.12	21.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.14	20.20	20.16	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.13	20.19	20.17	21.5	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3790			
40	QPSK	1	1	20.14	20.17	20.15	21.5	0.0	
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.18	20.11	20.17	21.5	0.0	
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.16	20.19	20.11	21.5	0.0	

Part270 n78 PC2 Ant3

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	PI/2 BPSK	1	1		21.13			
100	PI/2 BPSK	1	137		21.03		22.5	0.0
100	PI/2 BPSK	1	271		20.76			
100	PI/2 BPSK	135	0		20.73		22.0	0.5
100	PI/2 BPSK	135	69		21.02		22.5	0.0
100	PI/2 BPSK	135	138		20.25		22.0	0.5
100	PI/2 BPSK	270	0		20.54			
100	QPSK	1	1		21.21			
100	QPSK	1	137		21.07		22.5	0.0
100	QPSK	1	271		20.83			
100	QPSK	135	0		20.17		21.5	1.0
100	QPSK	135	69		20.84		22.5	0.0
100	QPSK	135	138		20.02			
100	QPSK	270	0		20.03		21.5	1.0
100	16QAM	1	1		20.27		21.5	1.0
100	64QAM	1	1		19.19		20.0	2.5
100	256QAM	1	1		18.48		18.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.10	21.17	21.09	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.10	21.18	21.11	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.16	21.13	21.16	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.08	21.08	21.07	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.14	21.14	21.11	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.12	21.09	21.07	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	21.13	21.12	21.10	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.11	21.15	21.10	22.5	0.0

n7 Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.53	22.57	22.48	24.0	0.0
40	PI/2 BPSK	1	108	22.46	22.54	22.46		
40	PI/2 BPSK	1	214	22.55	22.60	22.48		
40	PI/2 BPSK	108	0	22.05	22.15	22.10	23.5	0.5
40	PI/2 BPSK	108	54	22.49	22.59	22.54	24.0	0.0
40	PI/2 BPSK	108	108	22.00	22.13	22.07	23.5	0.5
40	PI/2 BPSK	216	0	22.15	22.21	22.09		
40	QPSK	1	1	22.62	22.66	22.59	24.0	0.0
40	QPSK	1	108	22.52	22.63	22.57		
40	QPSK	1	214	22.44	22.59	22.47		
40	QPSK	108	0	21.66	21.72	21.64	23.0	1.0
40	QPSK	108	54	22.53	22.61	22.54	24.0	0.0
40	QPSK	108	108	21.61	21.71	21.64	23.0	1.0
40	QPSK	216	0	21.68	21.74	21.64		
40	16QAM	1	1	21.43	21.54	21.39	23.0	1.0
40	64QAM	1	1	19.86	20.00	19.88	21.5	2.5
40	256QAM	1	1	17.81	17.87	17.75	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.54	22.59	22.56	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	22.49	22.52	22.51	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.48	22.51	22.47	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	22.50	22.59	22.51	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.52	22.56	22.52	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	22.57	22.59	22.52	24.0	0.0



Part270 n77 Ant5

BW [MHz]	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	PV2 BPSK	1	1	18.31	18.36	18.25		
100	PV2 BPSK	1	137	18.22	18.32	18.21	19.5	0.0
100	PV2 BPSK	1	271	18.08	18.23	18.16		
100	PV2 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	PV2 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	PV2 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	PV2 BPSK	270	0	17.77	17.92	17.82		
100	QPSK	1	1	18.32	18.42	18.27		
100	QPSK	1	137	18.31	18.36	18.34	19.5	0.0
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.36	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32		
100	16QAM	1	1	17.25	17.29	17.23	18.5	1.0
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.18	18.20	18.14	19.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.18	18.32	18.22	19.5	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01		
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.22	18.34	18.21	19.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.29	18.28	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	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	PV2 BPSK	1	1	21.44	21.55	21.41		
100	PV2 BPSK	1	137	21.39	21.57	21.42	22.5	0.0
100	PV2 BPSK	1	271	21.23	21.45	21.38		
100	PV2 BPSK	135	0	20.94	21.11	21.08	22.0	0.5
100	PV2 BPSK	135	69	21.52	21.54	21.58	22.5	0.0
100	PV2 BPSK	135	138	20.99	21.12	20.98	22.0	0.5
100	PV2 BPSK	270	0	21.07	21.11	21.04		
100	QPSK	1	1	21.55	21.62	21.50		
100	QPSK	1	137	21.48	21.51	21.52	22.5	0.0
100	QPSK	1	271	21.52	21.45	21.40		
100	QPSK	135	0	20.58	20.81	20.68	21.5	1.0
100	QPSK	135	69	21.38	21.60	21.37	22.5	0.0
100	QPSK	135	138	20.44	20.45	20.38	21.5	1.0
100	QPSK	270	0	20.48	20.54	20.46		
100	16QAM	1	1	20.45	20.46	20.44	21.5	1.0
100	64QAM	1	1	18.79	18.90	18.80	20.0	2.5
100	256QAM	1	1	16.57	16.60	16.53	18.0	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.49	21.54	21.37	22.5	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.40	21.58	21.40	22.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.49	21.46	21.47	22.5	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.49	21.55	21.43	22.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.46	21.42	21.44	22.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01		
40	QPSK	1	1	21.45	21.55	21.42	22.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.42	21.60	21.30	22.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.40	21.53	21.44	22.5	0.0

Part270 n78 Ant5

BW [MHz]	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	PV2 BPSK	1	1			18.78		
100	PV2 BPSK	1	137			18.61	19.5	0.0
100	PV2 BPSK	1	271			18.53		
100	PV2 BPSK	135	0			18.25	19.0	0.5
100	PV2 BPSK	135	69			18.64	19.5	0.0
100	PV2 BPSK	135	138			17.93	19.0	0.5
100	PV2 BPSK	270	0			18.01		
100	QPSK	1	1			18.83		
100	QPSK	1	137			18.77	19.5	0.0
100	QPSK	1	271			18.49		
100	QPSK	135	0			17.75	18.5	1.0
100	QPSK	135	69			18.53	19.5	0.0
100	QPSK	135	138			17.46	18.5	1.0
100	QPSK	270	0			17.52		
100	16QAM	1	1			17.82	18.5	1.0
100	64QAM	1	1			16.48	17.0	2.5
100	256QAM	1	1			14.06	15.0	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel				649334	650000	660968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.73	18.80	18.70	19.5	0.0
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.78	18.71	18.77	19.5	0.0
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel				647668	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3780		
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.79	18.69	18.73	19.5	0.0
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5

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	PI/2 BPSK	1	1		19.74			
100	PI/2 BPSK	1	137		19.67		21.0	0.0
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		19.32		20.5	0.5
100	PI/2 BPSK	135	69		19.66		21.0	0.0
100	PI/2 BPSK	135	138		18.98		20.5	0.5
100	PI/2 BPSK	270	0		18.99			
100	QPSK	1	1		19.84			
100	QPSK	1	137		19.79		21.0	0.0
100	QPSK	1	271		19.49			
100	QPSK	135	0		18.70		20.0	1.0
100	QPSK	135	69		19.51		21.0	0.0
100	QPSK	135	138		18.47		20.0	1.0
100	QPSK	270	0		18.59			
100	16QAM	1	1		18.78		20.0	1.0
100	64QAM	1	1		17.51		18.5	2.5
100	256QAM	1	1		15.11		16.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.74	19.70	19.76	21.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.69	19.75	19.73	21.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.71	19.69	19.70	21.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	19.70	19.78	19.74	21.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.77	19.71	19.79	21.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.72	19.77	19.79	21.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.74	19.79	19.76	21.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.78	19.72	19.73	21.0	0.0



Part270 n77 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	19.37	19.42	19.44	21.0	0.0
100	PV2 BPSK	1	137	19.20	19.29	19.28		
100	PV2 BPSK	1	271	19.17	19.29	19.15		
100	PV2 BPSK	135	0	18.55	18.56	18.58		
100	PV2 BPSK	135	69	19.28	19.32	19.24	21.0	0.0
100	PV2 BPSK	135	138	18.62	18.54	18.61	20.5	0.5
100	PV2 BPSK	270	0	18.56	18.62	18.65		
100	QPSK	1	1	19.40	19.46	19.42	21.0	0.0
100	QPSK	1	137	19.41	19.47	19.27		
100	QPSK	1	271	19.29	19.35	19.28	20.0	1.0
100	QPSK	135	0	18.42	18.55	18.35		
100	QPSK	135	69	19.28	19.44	19.39		
100	QPSK	135	138	18.26	18.42	18.35		
100	QPSK	270	0	18.41	18.45	18.44	20.0	1.0
100	16QAM	1	1	18.09	18.17	18.07	20.0	1.0
100	64QAM	1	1	16.58	16.70	16.66	18.5	2.5
100	256QAM	1	1	14.76	14.91	14.74	16.5	4.5
Channel				648668	650000	663334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.36	19.36	19.35	21.0	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	19.27	19.35	19.34	21.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	19.27	19.42	19.39	21.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	19.31	19.40	19.39	21.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	19.31	19.37	19.31	21.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	19.34	19.43	19.37	21.0	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3840	3953.01	(dBm)	(dB)
30	QPSK	1	1	19.27	19.44	19.39	21.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	19.34	19.36	19.30	21.0	0.0

Part270 n77 PC2 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	22.27	22.43	22.36	24.0	0.0
100	PV2 BPSK	1	137	22.42	22.41	22.39		
100	PV2 BPSK	1	271	22.18	22.33	22.38		
100	PV2 BPSK	135	0	21.98	22.06	21.84		
100	PV2 BPSK	135	69	22.38	22.52	22.41	24.0	0.0
100	PV2 BPSK	135	138	21.87	22.09	21.85	23.5	0.5
100	PV2 BPSK	270	0	22.12	22.11	21.97		
100	QPSK	1	1	22.46	22.55	22.50	24.0	0.0
100	QPSK	1	137	22.38	22.53	22.40		
100	QPSK	1	271	22.38	22.46	22.34	23.0	1.0
100	QPSK	135	0	21.47	21.49	21.33		
100	QPSK	135	69	22.33	22.51	22.35		
100	QPSK	135	138	21.37	21.46	21.35		
100	QPSK	270	0	21.45	21.55	21.43	23.0	1.0
100	16QAM	1	1	21.17	21.28	21.10	23.0	1.0
100	64QAM	1	1	19.73	19.81	19.72	21.5	2.5
100	256QAM	1	1	17.88	17.98	17.90	19.5	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	22.41	22.47	22.44	24.0	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	22.36	22.47	22.39	24.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.37	22.43	22.40	24.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	22.33	22.47	22.41	24.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.38	22.52	22.41	24.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.34	22.47	22.38	24.0	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3840	3953.01	(dBm)	(dB)
30	QPSK	1	1	22.33	22.42	22.40	24.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	22.35	22.49	22.44	24.0	0.0

Part270 n78 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PV2 BPSK	1	1			19.49	21.0	0.0
100	PV2 BPSK	1	137			19.41		
100	PV2 BPSK	1	271			19.46		
100	PV2 BPSK	135	0			19.95		
100	PV2 BPSK	135	69			19.43	21.0	0.0
100	PV2 BPSK	135	138			19.02	20.5	0.5
100	PV2 BPSK	270	0			19.06		
100	QPSK	1	1			19.00	21.0	0.0
100	QPSK	1	137			19.55		
100	QPSK	1	271			19.58	20.0	1.0
100	QPSK	135	0			18.71		
100	QPSK	135	69			19.56		
100	QPSK	135	138			18.50		
100	QPSK	270	0			19.59	20.0	1.0
100	16QAM	1	1			18.62	20.0	1.0
100	64QAM	1	1			16.90	18.5	2.5
100	256QAM	1	1			15.31	16.5	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.52	19.49	19.46	21.0	0.0
Channel				649334	650000	660968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.42	19.39	19.40	21.0	0.0
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.47	19.50	19.46	21.0	0.0
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.50	19.44	19.42	21.0	0.0
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.44	19.39	19.45	21.0	0.0
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.50	19.42	19.46	21.0	0.0
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.48	19.43	19.35	21.0	0.0
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.49	19.39	19.38	21.0	0.0

Part270 n78 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.50				
100	PI/2 BPSK	1	137		22.41		24.0	0.0	
100	PI/2 BPSK	1	271		22.32				
100	PI/2 BPSK	135	0		22.08		23.5	0.5	
100	PI/2 BPSK	135	69		22.52		24.0	0.0	
100	PI/2 BPSK	135	138		21.98		23.5	0.5	
100	PI/2 BPSK	270	0		22.12				
100	QPSK	1	1		22.35				
100	QPSK	1	137		22.44		24.0	0.0	
100	QPSK	1	271		22.43				
100	QPSK	135	0		21.48		23.0	1.0	
100	QPSK	135	69		22.53		24.0	0.0	
100	QPSK	135	138		21.52				
100	QPSK	270	0		21.59		23.0	1.0	
100	16QAM	1	1		21.26		23.0	1.0	
100	64QAM	1	1		19.75		21.5	2.5	
100	256QAM	1	1		17.84		19.5	4.5	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.42	22.48	22.39	24.0	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.37	22.39	22.27	24.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.37	22.36	22.27	24.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3750.01			
60	QPSK	1	1	22.28	22.41	22.25	24.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.33	22.34	22.35	24.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.29	22.44	22.29	24.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1	22.31	22.34	22.29	24.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.34	22.39	22.31	24.0	0.0	

Reduced Power Mode for DSI2 Simultaneous

n5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.75	22.81	22.69		
20	PI/2 BPSK	1	53	22.53	22.68	22.59	24.0	0.0
20	PI/2 BPSK	1	104	22.49	22.62	22.57		
20	PI/2 BPSK	50	0	22.22	22.32	22.23		
20	PI/2 BPSK	50	28	22.57	22.67	22.58	24.0	0.0
20	PI/2 BPSK	50	56	22.07	22.16	22.02		
20	PI/2 BPSK	100	0	22.27	22.34	22.22		
20	QPSK	1	1	22.87	22.88	22.82	24.0	0.0
20	QPSK	1	53	22.64	22.71	22.65		
20	QPSK	1	104	22.40	22.54	22.51		
20	QPSK	50	0	21.75	21.86	21.80	23.0	1.0
20	QPSK	50	28	22.60	22.71	22.66		
20	QPSK	50	56	21.67	21.75	21.61		
20	QPSK	100	0	21.72	21.83	21.72	23.0	1.0
20	16QAM	1	1	21.64	21.76	21.70		
20	64QAM	1	1	20.20	20.34	20.27		
20	256QAM	1	1	18.14	18.29	18.17	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.74	22.83	22.70		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.76	22.79	22.75		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.77	22.85	22.69		

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.19	23.25	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.19	23.13		
20	PI/2 BPSK	1	104	22.91	23.02	22.95		
20	PI/2 BPSK	50	0	22.57	22.66	22.54	23.5	0.5
20	PI/2 BPSK	50	28	22.92	22.99	22.87	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.49	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.56	22.63	22.57		
20	QPSK	1	1	23.23	23.28	23.19	24.0	0.0
20	QPSK	1	53	22.84	22.98	22.90		
20	QPSK	1	104	22.75	22.85	22.72		
20	QPSK	50	0	22.08	22.15	22.01	23.0	1.0
20	QPSK	50	28	22.88	23.01	22.92	24.0	0.0
20	QPSK	50	56	21.91	22.01	21.96	23.0	1.0
20	QPSK	100	0	22.20	22.25	22.14		
20	16QAM	1	1	22.13	22.24	22.20	23.0	1.0
20	64QAM	1	1	21.18	21.31	21.17	21.5	2.5
20	256QAM	1	1	18.66	18.72	18.58	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	23.16	23.23	23.12		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	23.10	23.15	23.07		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	23.11	23.18	23.09		

Part270 n77 Ant2 PC2&PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	16.8	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.98	14.99	15.02	16.8	0.0	
100	PI/2 BPSK	1	137	14.93	15.11	15.01			
100	PI/2 BPSK	1	271	14.99	15.10	14.97			
100	PI/2 BPSK	135	0	14.99	15.02	15.03			
100	PI/2 BPSK	135	69	15.04	15.01	15.02			
100	PI/2 BPSK	135	138	14.98	15.05	15.06			
100	PI/2 BPSK	270	0	15.01	15.10	14.99	16.8	0.0	
100	QPSK	1	1	15.06	15.12	15.08	16.8	0.0	
100	QPSK	1	137	14.99	15.09	14.97			
100	QPSK	1	271	15.03	15.02	14.98			
100	QPSK	135	0	15.01	15.02	14.99			
100	QPSK	135	69	14.97	15.10	15.01			
100	QPSK	135	138	15.04	15.02	14.97			
100	QPSK	270	0	14.96	15.08	14.97	16.8	0.0	
100	16QAM	1	1	15.00	15.07	14.98	16.8	0.0	
100	64QAM	1	1	15.02	15.07	15.04	16.8	0.0	
100	256QAM	1	1	15.02	15.02	15.07	16.8	0.0	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	15.00	14.99	15.03	16.8	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	15.01	15.01	15.04	16.8	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3940	3945	(dBm)	(dB)	
70	QPSK	1	1	15.01	14.98	15.02	16.8	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	14.94	15.07	15.02	16.8	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	14.94	15.02	15.01	16.8	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	15.03	15.09	15.04	16.8	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	14.99	15.01	14.97	16.8	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	14.91	15.03	14.94	16.8	0.0	

Part270 n78 Ant2 PC2&PC3									
BW [MHz]	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	16.8	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		14.92		16.8	0.0	
100	PI/2 BPSK	1	137		14.97				
100	PI/2 BPSK	1	271		15.05				
100	PI/2 BPSK	135	0		14.99				
100	PI/2 BPSK	135	69		14.86				
100	PI/2 BPSK	135	138		14.99				
100	PI/2 BPSK	270	0		15.09		16.8	0.0	
100	QPSK	1	1		15.21		16.8	0.0	
100	QPSK	1	137		15.09				
100	QPSK	1	271		14.99				
100	QPSK	135	0		14.95				
100	QPSK	135	69		15.12				
100	QPSK	135	138		14.89				
100	QPSK	270	0		15.09		16.8	0.0	
100	16QAM	1	1		15.04		16.8	0.0	
100	64QAM	1	1		15.00		16.8	0.0	
100	256QAM	1	1		14.92		16.8	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	15.16	15.18	15.14	16.8	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	15.11	15.18	15.08	16.8	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	15.13	15.10	15.13	16.8	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	15.13	15.14	15.18	16.8	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	15.13	15.11	15.14	16.8	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.16	15.16	15.16	16.8	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	15.15	15.10	15.19	16.8	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	15.17	15.11	15.08	16.8	0.0	



Part270 n77 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	20.79	20.77	20.75			
100	P12 BPSK	1	137	20.69	20.73	20.77		0.0	
100	P12 BPSK	1	271	20.53	20.61	20.74			
100	P12 BPSK	135	0	20.16	20.28	20.27	21.0	0.5	
100	P12 BPSK	135	69	20.76	20.75	20.68	21.5	0.0	
100	P12 BPSK	135	138	20.15	20.24	20.18	21.0	0.5	
100	P12 BPSK	270	0	20.25	20.32	20.27			
100	QPSK	1	1	20.67	20.90	20.85			
100	QPSK	1	137	20.60	20.70	20.69	21.5	0.0	
100	QPSK	1	271	20.47	20.61	20.58			
100	QPSK	135	0	19.69	19.87	19.74	20.5	1.0	
100	QPSK	135	69	20.62	20.77	20.69	21.5	0.0	
100	QPSK	135	138	19.56	19.67	19.62	20.5	1.0	
100	QPSK	270	0	19.72	19.83	19.63			
100	16QAM	1	1	19.71	19.81	19.76	20.5	1.0	
100	64QAM	1	1	18.71	18.78	18.71	19.0	2.5	
100	256QAM	1	1	16.10	16.15	16.05	17.0	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.59	20.85	20.74	21.5	0.0	
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.63	20.76	20.68	21.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.51	20.81	20.67	21.5	0.0	
Channel				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.50	20.84	20.71	21.5	0.0	
Channel				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.56	20.85	20.69	21.5	0.0	
Channel				647668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3840	3960.01			
40	QPSK	1	1	20.58	20.81	20.70	21.5	0.0	
Channel				647668	650000	647668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.54	20.79	20.69	21.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.59	20.74	20.72	21.5	0.0	

Part270 n77 PC2 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	23.62	23.67	23.69			
100	P12 BPSK	1	137	23.71	23.72	23.58	24.5	0.0	
100	P12 BPSK	1	271	23.66	23.64	23.60			
100	P12 BPSK	135	0	23.09	23.12	23.20	24.0	0.5	
100	P12 BPSK	135	69	23.58	23.70	23.60	24.5	0.0	
100	P12 BPSK	135	138	23.08	23.20	23.12	24.0	0.5	
100	P12 BPSK	270	0	23.14	23.15	23.17			
100	QPSK	1	1	23.53	23.83	23.74			
100	QPSK	1	137	23.54	23.85	23.68	24.5	0.0	
100	QPSK	1	271	23.57	23.55	23.47			
100	QPSK	135	0	22.62	22.72	22.57	23.5	1.0	
100	QPSK	135	69	23.55	23.67	23.54	24.5	0.0	
100	QPSK	135	138	22.66	22.69	22.56	23.5	1.0	
100	QPSK	270	0	22.57	22.70	22.54			
100	16QAM	1	1	22.70	22.83	22.72	23.5	1.0	
100	64QAM	1	1	21.64	21.71	21.61	22.0	2.5	
100	256QAM	1	1	19.12	19.14	19.06	20.0	4.5	
Channel				646668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.52	23.75	23.61	24.5	0.0	
Channel				649334	650000	649668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.57	23.73	23.65	24.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.56	23.69	23.55	24.5	0.0	
Channel				648668	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.51	23.73	23.59	24.5	0.0	
Channel				648334	650000	648668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.54	23.68	23.67	24.5	0.0	
Channel				648000	650000	648000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.80	23.66	23.62	24.5	0.0	
Channel				647668	650000	647334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.55	23.73	23.60	24.5	0.0	
Channel				647334	650000	646668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.58	23.64	23.60	24.5	0.0	

Part270 n78 Ant3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		20.17		21.5	0.0	
100	P12 BPSK	1	137		20.03				
100	P12 BPSK	1	271		19.71				
100	P12 BPSK	135	0		19.71		21.0	0.5	
100	P12 BPSK	135	69		19.97		21.5	0.0	
100	P12 BPSK	135	138		19.26		21.0	0.5	
100	P12 BPSK	270	0		19.53				
100	QPSK	1	1		20.23				
100	QPSK	1	137		20.11		21.5	0.0	
100	QPSK	1	271		19.85				
100	QPSK	135	0		19.18		20.5	1.0	
100	QPSK	135	69		19.94		21.5	0.0	
100	QPSK	135	138		18.96		20.5	1.0	
100	QPSK	270	0		19.03				
100	16QAM	1	1		19.27		20.5	1.0	
100	64QAM	1	1		18.18		19.0	2.5	
100	256QAM	1	1		15.48		17.0	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	20.15	20.12	20.18	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	20.09	20.09	20.14	21.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.16	20.10	20.12	21.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	20.14	20.20	20.16	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	20.13	20.19	20.17	21.5	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.14	20.17	20.15	21.5	0.0	
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	20.18	20.11	20.17	21.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	20.16	20.19	20.11	21.5	0.0	

Part270 n78 PC2 Ant3

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	PI/2 BPSK	1	1		21.13			
100	PI/2 BPSK	1	137		21.03		22.5	0.0
100	PI/2 BPSK	1	271		20.76			
100	PI/2 BPSK	135	0		20.73		22.0	0.5
100	PI/2 BPSK	135	69		21.02		22.5	0.0
100	PI/2 BPSK	135	138		20.25		22.0	0.5
100	PI/2 BPSK	270	0		20.54			
100	QPSK	1	1		21.21			
100	QPSK	1	137		21.07		22.5	0.0
100	QPSK	1	271		20.83			
100	QPSK	135	0		20.17		21.5	1.0
100	QPSK	135	69		20.84		22.5	0.0
100	QPSK	135	138		20.02			
100	QPSK	270	0		20.03		21.5	1.0
100	16QAM	1	1		20.27		21.5	1.0
100	64QAM	1	1		19.19		20.0	2.5
100	256QAM	1	1		18.48		18.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.10	21.17	21.09	22.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.10	21.18	21.11	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.16	21.13	21.16	22.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3730.01		
60	QPSK	1	1	21.08	21.08	21.07	22.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.14	21.14	21.11	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.12	21.09	21.07	22.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3745.01		
30	QPSK	1	1	21.13	21.12	21.10	22.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3780.02		
20	QPSK	1	1	21.11	21.15	21.10	22.5	0.0

n7 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	22.53	22.57	22.48	24.0	0.0
40	PI/2 BPSK	1	108	22.46	22.54	22.46		
40	PI/2 BPSK	1	214	22.55	22.60	22.48		
40	PI/2 BPSK	108	0	22.05	22.15	22.10	23.5	0.5
40	PI/2 BPSK	108	54	22.49	22.59	22.54	24.0	0.0
40	PI/2 BPSK	108	108	22.00	22.13	22.07	23.5	0.5
40	PI/2 BPSK	216	0	22.15	22.21	22.09		
40	QPSK	1	1	22.62	22.66	22.59		
40	QPSK	1	108	22.52	22.63	22.57	24.0	0.0
40	QPSK	1	214	22.44	22.59	22.47		
40	QPSK	108	0	21.66	21.72	21.64	23.0	1.0
40	QPSK	108	54	22.53	22.61	22.54	24.0	0.0
40	QPSK	108	108	21.61	21.71	21.64	23.0	1.0
40	QPSK	216	0	21.68	21.74	21.64		
40	16QAM	1	1	21.43	21.54	21.39	23.0	1.0
40	64QAM	1	1	19.86	20.00	19.88	21.5	2.5
40	256QAM	1	1	17.81	17.87	17.75	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.54	22.59	22.56	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	22.49	22.52	22.51	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.48	22.51	22.47	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	22.50	22.59	22.51	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.52	22.56	22.52	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	22.57	22.59	22.52	24.0	0.0



Part270 n77 Ant5

BW [MHz]	Modulation	RB 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	18.31	18.36	18.25		
100	PI2 BPSK	1	137	18.22	18.32	18.21	19.5	0.0
100	PI2 BPSK	1	271	18.08	18.23	18.16		
100	PI2 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	PI2 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	PI2 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	PI2 BPSK	270	0	17.77	17.92	17.82		
100	QPSK	1	1	18.32	18.42	18.27		
100	QPSK	1	137	18.31	18.36	18.34	19.5	0.0
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.36	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32		
100	16QAM	1	1	17.25	17.29	17.23	18.5	1.0
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel								
Frequency (MHz)				3743.01	3840	3940.02		
80	QPSK	1	1	18.18	18.20	18.14	19.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.18	18.32	18.22	19.5	0.0
Channel								
Frequency (MHz)				3729.02	3840	3950.01		
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel								
Frequency (MHz)				3713.02	3840	3963.01		
30	QPSK	1	1	18.22	18.34	18.21	19.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.29	18.28	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	Modulation	RB 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	21.44	21.55	21.41		
100	PI2 BPSK	1	137	21.39	21.57	21.42	22.5	0.0
100	PI2 BPSK	1	271	21.23	21.45	21.38		
100	PI2 BPSK	135	0	20.94	21.11	21.08	22.0	0.5
100	PI2 BPSK	135	69	21.52	21.54	21.58	22.5	0.0
100	PI2 BPSK	135	138	20.99	21.12	20.98	22.0	0.5
100	PI2 BPSK	270	0	21.07	21.11	21.04		
100	QPSK	1	1	21.55	21.62	21.50		
100	QPSK	1	137	21.48	21.51	21.52	22.5	0.0
100	QPSK	1	271	21.52	21.45	21.40		
100	QPSK	135	0	20.58	20.81	20.68	21.5	1.0
100	QPSK	135	69	21.38	21.60	21.37	22.5	0.0
100	QPSK	135	138	20.44	20.45	20.38	21.5	1.0
100	QPSK	270	0	20.48	20.54	20.46		
100	16QAM	1	1	20.45	20.46	20.44	21.5	1.0
100	64QAM	1	1	18.79	18.90	18.80	20.0	2.5
100	256QAM	1	1	16.57	16.60	16.53	18.0	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.49	21.54	21.37	22.5	0.0
Channel								
Frequency (MHz)				3743.01	3840	3943.02		
80	QPSK	1	1	21.40	21.58	21.40	22.5	0.0
Channel								
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.49	21.46	21.47	22.5	0.0
Channel								
Frequency (MHz)				3729.02	3840	3950.01		
60	QPSK	1	1	21.49	21.55	21.43	22.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.46	21.42	21.44	22.5	0.0
Channel								
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.45	21.55	21.42	22.5	0.0
Channel								
Frequency (MHz)				3713.02	3840	3963.01		
30	QPSK	1	1	21.42	21.60	21.30	22.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.40	21.53	21.44	22.5	0.0

Part270 n78 Ant5

BW [MHz]	Modulation	RB 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			18.78		
100	PI2 BPSK	1	137			18.61	19.5	0.0
100	PI2 BPSK	1	271			18.53		
100	PI2 BPSK	135	0			18.25	19.0	0.5
100	PI2 BPSK	135	69			18.64	19.5	0.0
100	PI2 BPSK	135	138			17.93	19.0	0.5
100	PI2 BPSK	270	0			18.01		
100	QPSK	1	1			18.83		
100	QPSK	1	137			18.77	19.5	0.0
100	QPSK	1	271			18.49		
100	QPSK	135	0			17.75	18.5	1.0
100	QPSK	135	69			18.53	19.5	0.0
100	QPSK	135	138			17.46	18.5	1.0
100	QPSK	270	0			17.52		
100	16QAM	1	1			17.82	18.5	1.0
100	64QAM	1	1			16.48	17.0	2.5
100	256QAM	1	1			14.06	15.0	4.5
Channel								
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel								
Frequency (MHz)				3743.01	3750	3760.02		
80	QPSK	1	1	18.73	18.80	18.70	19.5	0.0
Channel								
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.78	18.71	18.77	19.5	0.0
Channel								
Frequency (MHz)				3729.02	3750	3770.01		
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel								
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel								
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel								
Frequency (MHz)				3713.02	3750	3783.01		
30	QPSK	1	1	18.79	18.69	18.73	19.5	0.0
Channel								
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5

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	PI/2 BPSK	1	1		19.74			
100	PI/2 BPSK	1	137		19.67		21.0	0.0
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		19.32		20.5	0.5
100	PI/2 BPSK	135	69		19.66		21.0	0.0
100	PI/2 BPSK	135	138		18.98		20.5	0.5
100	PI/2 BPSK	270	0		18.99			
100	QPSK	1	1		19.84			
100	QPSK	1	137		19.79		21.0	0.0
100	QPSK	1	271		19.49			
100	QPSK	135	0		18.70		20.0	1.0
100	QPSK	135	69		19.51		21.0	0.0
100	QPSK	135	138		18.47		20.0	1.0
100	QPSK	270	0		18.59			
100	16QAM	1	1		18.78		20.0	1.0
100	64QAM	1	1		17.51		18.5	2.5
100	256QAM	1	1		15.11		16.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.74	19.70	19.76	21.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.69	19.75	19.73	21.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.71	19.69	19.70	21.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.70	19.78	19.74	21.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.77	19.71	19.79	21.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.72	19.77	19.79	21.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.74	19.79	19.76	21.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.78	19.72	19.73	21.0	0.0



Part270 n77 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	19.37	19.42	19.44	21.0	0.0	
100	P12 BPSK	1	137	19.20	19.29	19.28			
100	P12 BPSK	1	271	19.17	19.29	19.15			
100	P12 BPSK	135	0	18.55	18.56	18.58			
100	P12 BPSK	135	69	19.28	19.32	19.24	21.0	0.0	
100	P12 BPSK	135	138	18.62	18.54	18.61	20.5	0.5	
100	P12 BPSK	270	0	18.56	18.62	18.65			
100	QPSK	1	1	19.40	19.46	19.42	21.0	0.0	
100	QPSK	1	137	19.41	19.47	19.27			
100	QPSK	1	271	19.29	19.35	19.28	20.0	1.0	
100	QPSK	135	0	18.42	18.55	18.35			
100	QPSK	135	69	19.28	19.44	19.39			
100	QPSK	135	138	18.26	18.42	18.35			
100	QPSK	270	0	18.41	18.45	18.44	20.0	1.0	
100	16QAM	1	1	18.09	18.17	18.07	20.0	1.0	
100	64QAM	1	1	16.58	16.70	16.66	18.5	2.5	
100	256QAM	1	1	14.76	14.91	14.74	16.5	4.5	
Channel				648668	650000	660334			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.36	19.36	19.35	21.0	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.27	19.35	19.34	21.0	0.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.27	19.42	19.39	21.0	0.0	
Channel				648668	650000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.31	19.40	19.39	21.0	0.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.31	19.37	19.31	21.0	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.34	19.43	19.37	21.0	0.0	
Channel				647668	650000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.27	19.44	19.39	21.0	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.34	19.36	19.30	21.0	0.0	

Part270 n77 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	22.27	22.43	22.36	24.0	0.0	
100	P12 BPSK	1	137	22.42	22.41	22.39			
100	P12 BPSK	1	271	22.18	22.33	22.38			
100	P12 BPSK	135	0	21.98	22.06	21.84			
100	P12 BPSK	135	69	22.38	22.52	22.41	24.0	0.0	
100	P12 BPSK	135	138	21.87	22.09	21.85	23.5	0.5	
100	P12 BPSK	270	0	22.12	22.11	21.97			
100	QPSK	1	1	22.46	22.55	22.50	24.0	0.0	
100	QPSK	1	137	22.38	22.53	22.40			
100	QPSK	1	271	22.38	22.46	22.34	23.0	1.0	
100	QPSK	135	0	21.47	21.49	21.33			
100	QPSK	135	69	22.33	22.51	22.35			
100	QPSK	135	138	21.37	21.46	21.35			
100	QPSK	270	0	21.45	21.55	21.43	23.0	1.0	
100	16QAM	1	1	21.17	21.28	21.10	23.0	1.0	
100	64QAM	1	1	19.73	19.81	19.72	21.5	2.5	
100	256QAM	1	1	17.88	17.98	17.90	19.5	4.5	
Channel				648668	650000	662334			
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.41	22.47	22.44	24.0	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.36	22.47	22.39	24.0	0.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.37	22.43	22.40	24.0	0.0	
Channel				648668	650000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.33	22.47	22.41	24.0	0.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.38	22.52	22.41	24.0	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.34	22.47	22.38	24.0	0.0	
Channel				647668	650000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.33	22.42	22.40	24.0	0.0	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.35	22.49	22.44	24.0	0.0	

Part270 n78 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		19.49		21.0	0.0	
100	P12 BPSK	1	137		19.41				
100	P12 BPSK	1	271		19.43				
100	P12 BPSK	135	0		18.95				
100	P12 BPSK	135	69		19.43		21.0	0.5	
100	P12 BPSK	135	138		19.02		20.5	0.5	
100	P12 BPSK	270	0		19.06				
100	QPSK	1	1		19.00		21.0	0.0	
100	QPSK	1	137		19.55				
100	QPSK	1	271		19.58		20.0	1.0	
100	QPSK	135	0		18.71				
100	QPSK	135	69		19.56				
100	QPSK	135	138		18.50				
100	QPSK	270	0		19.59		20.0	1.0	
100	16QAM	1	1		18.62		20.0	1.0	
100	64QAM	1	1		16.90		18.5	2.5	
100	256QAM	1	1		15.31		16.5	4.5	
Channel				649668	650000	660334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	19.52	19.49	19.46	21.0	0.0	
Channel				649334	650000	660668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	19.42	19.39	19.46	21.0	0.0	
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.47	19.50	19.46	21.0	0.0	
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	19.50	19.44	19.42	21.0	0.0	
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19.44	19.39	19.45	21.0	0.0	
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.50	19.42	19.46	21.0	0.0	
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	19.48	19.43	19.36	21.0	0.0	
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	19.49	19.39	19.38	21.0	0.0	

Part270 n78 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	24.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1		22.50		24.0	0.0	
100	Pl2 BPSK	1	137		22.41				
100	Pl2 BPSK	1	271		22.32		23.5	0.5	
100	Pl2 BPSK	135	0		22.08				
100	Pl2 BPSK	135	69		22.52		24.0	0.0	
100	Pl2 BPSK	135	138		21.98				
100	Pl2 BPSK	270	0		22.12		23.5	0.5	
100	QPSK	1	1		22.35				
100	QPSK	1	137		22.44		24.0	0.0	
100	QPSK	1	271		22.43				
100	QPSK	135	0		21.48		23.0	1.0	
100	QPSK	135	69		22.53				
100	QPSK	135	138		21.52		23.0	1.0	
100	QPSK	270	0		21.59				
100	16QAM	1	1		21.26		23.0	1.0	
100	64QAM	1	1		19.75				
100	256QAM	1	1		17.84		19.5	4.5	
Channel				649668	650000	650334	24.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.42	22.48	22.39	24.0	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0	
80	QPSK	1	1	22.37	22.39	22.27			
Channel				649000	650000	651000	24.0	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.37	22.36	22.27	24.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3750.01	24.0	0.0	
60	QPSK	1	1	22.28	22.41	22.25			
Channel				648334	650000	651668	24.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.33	22.34	22.35	24.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	QPSK	1	1	22.29	22.44	22.29			
Channel				647668	650000	652334	24.0	0.0	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1	22.31	22.34	22.29	24.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0	
20	QPSK	1	1	22.34	22.39	22.31			

Reduced Power Mode for DSI3 Standalone

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	22.75	22.81	22.69			
20	PI/2 BPSK	1	53	22.53	22.68	22.59	24.0	0.0	
20	PI/2 BPSK	1	104	22.49	22.62	22.57			
20	PI/2 BPSK	50	0	22.22	22.32	22.23		0.5	
20	PI/2 BPSK	50	28	22.57	22.67	22.58	23.5	0.5	
20	PI/2 BPSK	50	56	22.07	22.16	22.02			
20	PI/2 BPSK	100	0	22.27	22.34	22.22			
20	QPSK	1	1	22.87	22.88	22.82	24.0	0.0	
20	QPSK	1	53	22.64	22.71	22.65			
20	QPSK	1	104	22.40	22.54	22.51			
20	QPSK	50	0	21.75	21.86	21.80	23.0	1.0	
20	QPSK	50	28	22.60	22.71	22.66			
20	QPSK	50	56	21.67	21.75	21.61			
20	QPSK	100	0	21.72	21.83	21.72	23.0	1.0	
20	16QAM	1	1	21.64	21.76	21.70			
20	64QAM	1	1	20.20	20.34	20.27		2.5	
20	256QAM	1	1	18.14	18.29	18.17	19.5	4.5	
Channel				166300	167300	168300	24.0	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.74	22.83	22.70			
Channel				165800	167300	168800	24.0	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.76	22.79	22.75			
Channel				165300	167300	169300	24.0	0.0	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.77	22.85	22.69			

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.19	23.25	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.19	23.13		
20	PI/2 BPSK	1	104	22.91	23.02	22.95		
20	PI/2 BPSK	50	0	22.57	22.66	22.54	23.5	0.5
20	PI/2 BPSK	50	28	22.92	22.99	22.87	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.49	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.56	22.63	22.57		
20	QPSK	1	1	23.23	23.28	23.19	24.0	0.0
20	QPSK	1	53	22.84	22.98	22.90		
20	QPSK	1	104	22.75	22.85	22.72		
20	QPSK	50	0	22.08	22.15	22.01	23.0	1.0
20	QPSK	50	28	22.88	23.01	22.92	24.0	0.0
20	QPSK	50	56	21.91	22.01	21.96	23.0	1.0
20	QPSK	100	0	22.20	22.25	22.14		
20	16QAM	1	1	22.13	22.24	22.20	23.0	1.0
20	64QAM	1	1	21.18	21.31	21.17	21.5	2.5
20	256QAM	1	1	18.66	18.72	18.58	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.16	23.23	23.12	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.10	23.15	23.07	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.11	23.18	23.09	24.0	0.0

Part270 n77 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.99	16.00	15.93	17.4	0.0
100	PI/2 BPSK	1	137	15.87	15.86	15.95		
100	PI/2 BPSK	1	271	15.87	15.81	15.91		
100	PI/2 BPSK	135	0	15.79	15.82	15.90		
100	PI/2 BPSK	135	69	15.86	15.77	15.83	17.4	0.0
100	PI/2 BPSK	135	138	15.80	15.87	15.82	17.4	0.0
100	PI/2 BPSK	270	0	15.81	15.74	15.83		
100	QPSK	1	1	15.96	16.04	15.98	17.4	0.0
100	QPSK	1	137	15.87	15.83	15.87		
100	QPSK	1	271	15.76	15.74	15.86		
100	QPSK	135	0	15.79	15.83	15.89		
100	QPSK	135	69	15.75	15.95	15.81	17.4	0.0
100	QPSK	135	138	15.79	15.81	15.86	17.4	0.0
100	QPSK	270	0	15.86	15.92	15.89		
100	16QAM	1	1	15.69	15.82	15.87	17.4	0.0
100	64QAM	1	1	15.77	15.65	15.76	17.4	0.0
100	256QAM	1	1	15.79	15.86	15.89	17.4	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	15.78	15.93	15.82	17.4	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	15.79	15.95	15.84	17.4	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3940	3945	(dBm)	(dB)
70	QPSK	1	1	15.87	15.90	15.86	17.4	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	15.80	15.86	15.90	17.4	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	15.83	15.95	15.90	17.4	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	15.89	15.88	15.85	17.4	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	15.83	15.91	15.85	17.4	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	15.79	15.87	15.82	17.4	0.0

Part270 n78 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	17.4	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.00		17.4	0.0
100	PI/2 BPSK	1	137		15.78			
100	PI/2 BPSK	1	271		15.79			
100	PI/2 BPSK	135	0		15.72			
100	PI/2 BPSK	135	69		15.66		17.4	0.0
100	PI/2 BPSK	135	138		15.78		17.4	0.0
100	PI/2 BPSK	270	0		15.72			
100	QPSK	1	1		16.03		17.4	0.0
100	QPSK	1	137		15.80			
100	QPSK	1	271		15.84			
100	QPSK	135	0		15.79			
100	QPSK	135	69		15.87		17.4	0.0
100	QPSK	135	138		15.73		17.4	0.0
100	QPSK	270	0		15.86			
100	16QAM	1	1		15.67		17.4	0.0
100	64QAM	1	1		15.62		17.4	0.0
100	256QAM	1	1		15.82		17.4	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.81	15.90	15.89	17.4	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.89	15.86	15.82	17.4	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.82	15.86	15.89	17.4	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.84	15.93	15.81	17.4	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.81	15.92	15.90	17.4	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.85	15.84	15.79	17.4	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.80	15.85	15.82	17.4	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.87	15.84	15.83	17.4	0.0

Part270 n77 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	14.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	13.20	13.24	13.14	14.0	0.0
100	PI/2 BPSK	1	137	13.16	13.20	13.18		
100	PI/2 BPSK	1	271	13.26	13.21	13.15		
100	PI/2 BPSK	135	0	13.22	13.21	13.14		
100	PI/2 BPSK	135	69	13.06	13.15	13.05		
100	PI/2 BPSK	135	138	12.98	13.16	13.25		
100	PI/2 BPSK	270	0	13.00	12.98	13.02	14.0	0.0
100	QPSK	1	1	13.30	13.36	13.26	14.0	0.0
100	QPSK	1	137	13.16	13.27	13.19		
100	QPSK	1	271	13.12	13.06	13.15		
100	QPSK	135	0	13.27	13.18	13.19		
100	QPSK	135	69	13.09	13.31	13.07		
100	QPSK	135	138	13.12	13.09	13.14		
100	QPSK	270	0	13.12	13.21	13.20	14.0	0.0
100	16QAM	1	1	12.88	13.26	13.16	14.0	0.0
100	64QAM	1	1	13.00	13.03	13.16	14.0	0.0
100	256QAM	1	1	13.07	13.14	13.05	14.0	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	13.13	12.94	13.10	14.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	13.04	12.99	12.97	14.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3940	3945	(dBm)	(dB)
70	QPSK	1	1	13.06	13.02	13.14	14.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	13.06	12.95	13.06	14.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	13.03	13.13	13.01	14.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	13.02	12.95	13.00	14.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	13.10	13.06	13.05	14.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	12.96	13.14	12.99	14.0	0.0

Part270 n78 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	14.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		13.12		14.0	0.0
100	PI/2 BPSK	1	137		13.01			
100	PI/2 BPSK	1	271		13.03			
100	PI/2 BPSK	135	0		12.93			
100	PI/2 BPSK	135	69		12.92			
100	PI/2 BPSK	135	138		12.97			
100	PI/2 BPSK	270	0		12.87		14.0	0.0
100	QPSK	1	1		13.15		14.0	0.0
100	QPSK	1	137		13.10			
100	QPSK	1	271		12.83			
100	QPSK	135	0		13.07			
100	QPSK	135	69		13.13			
100	QPSK	135	138		12.99			
100	QPSK	270	0		13.12		14.0	0.0
100	16QAM	1	1		12.97		14.0	0.0
100	64QAM	1	1		12.89		14.0	0.0
100	256QAM	1	1		13.05		14.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	13.09	13.08	12.96	14.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	12.99	13.09	13.03	14.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	13.04	13.12	13.09	14.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	13.02	13.07	12.99	14.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	13.00	13.03	13.00	14.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	13.02	13.06	13.02	14.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	13.04	13.02	12.99	14.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	13.02	13.08	13.02	14.0	0.0

n7 Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.62	18.77	18.66	19.8	0.0
40	PI/2 BPSK	1	108	18.59	18.74	18.55		
40	PI/2 BPSK	1	214	18.72	18.82	18.59		
40	PI/2 BPSK	108	0	18.61	18.73	18.51	19.8	0.0
40	PI/2 BPSK	108	54	18.53	18.69	18.50	19.8	0.0
40	PI/2 BPSK	108	108	18.71	18.81	18.59	19.8	0.0
40	PI/2 BPSK	216	0	18.59	18.73	18.52		
40	QPSK	1	1	18.78	18.89	18.72	19.8	0.0
40	QPSK	1	108	18.61	18.76	18.56		
40	QPSK	1	214	18.63	18.79	18.66		
40	QPSK	108	0	18.59	18.71	18.59	19.8	0.0
40	QPSK	108	54	18.65	18.76	18.56	19.8	0.0
40	QPSK	108	108	18.56	18.73	18.61	19.8	0.0
40	QPSK	216	0	18.66	18.75	18.63		
40	16QAM	1	1	18.41	18.51	18.29	19.8	0.0
40	64QAM	1	1	18.50	18.57	18.42	19.8	0.0
40	256QAM	1	1	18.18	18.34	18.16	19.5	0.3
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.63	18.77	18.64	19.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.65	18.85	18.68	19.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.72	18.79	18.60	19.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.70	18.82	18.65	19.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.65	18.76	18.68	19.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.64	18.81	18.63	19.8	0.0



Part270 n77 Ant5

BW [MHz]	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	P12 BPSK	1	1	18.31	18.36	18.25		
100	P12 BPSK	1	137	18.22	18.32	18.21	19.5	0.0
100	P12 BPSK	1	271	18.08	18.23	18.16		
100	P12 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	P12 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	P12 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	P12 BPSK	270	0	17.77	17.92	17.82		
100	QPSK	1	1	18.32	18.42	18.27		
100	QPSK	1	137	18.31	18.35	18.34	19.5	0.0
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.35	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32		
100	16QAM	1	1	17.25	17.29	17.23	18.5	1.0
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.18	18.20	18.14	19.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.18	18.32	18.22	19.5	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01		
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.22	18.34	18.21	19.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.29	18.28	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	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	P12 BPSK	1	1	21.05	21.07	21.02		
100	P12 BPSK	1	137	20.80	21.10	20.96	22.3	0.0
100	P12 BPSK	1	271	20.83	20.93	20.77		
100	P12 BPSK	135	0	20.42	20.59	20.68	22.0	0.3
100	P12 BPSK	135	69	21.03	20.93	21.02	22.3	0.0
100	P12 BPSK	135	138	20.42	20.70	20.49	22.0	0.3
100	P12 BPSK	270	0	20.67	20.65	20.47		
100	QPSK	1	1	21.07	21.18	21.06		
100	QPSK	1	137	20.95	21.12	20.99	22.3	0.0
100	QPSK	1	271	20.95	20.87	20.93		
100	QPSK	135	0	20.08	20.23	20.18	21.5	0.8
100	QPSK	135	69	20.89	21.16	20.77	22.3	0.0
100	QPSK	135	138	19.84	20.05	19.89	21.5	0.8
100	QPSK	270	0	19.86	20.15	19.97		
100	16QAM	1	1	20.02	19.92	19.91	21.5	0.8
100	64QAM	1	1	18.28	18.39	18.21	20.2	1.8
100	256QAM	1	1	16.01	16.08	16.10	18.0	4.3
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.99	20.94	20.96	22.3	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.87	21.05	20.87	22.3	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.04	21.05	20.83	22.3	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.03	21.13	21.02	22.3	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.88	20.98	20.90	22.3	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01		
40	QPSK	1	1	21.02	21.12	20.94	22.3	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.84	21.01	20.84	22.3	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.93	21.01	20.95	22.3	0.0

Part270 n78 Ant5

BW [MHz]	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	P12 BPSK	1	1			18.78		
100	P12 BPSK	1	137			18.61	19.5	0.0
100	P12 BPSK	1	271			18.53		
100	P12 BPSK	135	0			18.25	19.0	0.5
100	P12 BPSK	135	69			18.64	19.5	0.0
100	P12 BPSK	135	138			17.93	19.0	0.5
100	P12 BPSK	270	0			18.01		
100	QPSK	1	1			18.83		
100	QPSK	1	137			18.77	19.5	0.0
100	QPSK	1	271			18.49		
100	QPSK	135	0			17.75	18.5	1.0
100	QPSK	135	69			18.53	19.5	0.0
100	QPSK	135	138			17.46	18.5	1.0
100	QPSK	270	0			17.52		
100	16QAM	1	1			17.82	18.5	1.0
100	64QAM	1	1			16.48	17.0	2.5
100	256QAM	1	1			14.06	15.0	4.5
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel				649334	650000	660668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.73	18.80	18.70	19.5	0.0
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.78	18.71	18.77	19.5	0.0
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel				647668	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3780.01		
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.79	18.69	18.73	19.5	0.0
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5

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	PI/2 BPSK	1	1		19.74			
100	PI/2 BPSK	1	137		19.67		21.0	0.0
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		19.32		20.5	0.5
100	PI/2 BPSK	135	69		19.66		21.0	0.0
100	PI/2 BPSK	135	138		18.98		20.5	0.5
100	PI/2 BPSK	270	0		18.99			
100	QPSK	1	1		19.84			
100	QPSK	1	137		19.79		21.0	0.0
100	QPSK	1	271		19.49			
100	QPSK	135	0		18.70		20.0	1.0
100	QPSK	135	69		19.51		21.0	0.0
100	QPSK	135	138		18.47		20.0	1.0
100	QPSK	270	0		18.59			
100	16QAM	1	1		18.78		20.0	1.0
100	64QAM	1	1		17.51		18.5	2.5
100	256QAM	1	1		15.11		16.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.74	19.70	19.76	21.0	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.69	19.75	19.73	21.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.71	19.69	19.70	21.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.70	19.78	19.74	21.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.77	19.71	19.79	21.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.72	19.77	19.79	21.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.74	19.79	19.76	21.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.78	19.72	19.73	21.0	0.0

Part27O n77 PC2&PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	18.9	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.77	17.71	17.86	18.9	0.0
100	PI/2 BPSK	1	137	17.71	17.80	17.92		
100	PI/2 BPSK	1	271	17.81	17.83	17.79		
100	PI/2 BPSK	135	0	17.77	17.82	17.76		
100	PI/2 BPSK	135	69	17.74	17.90	17.87	18.9	0.0
100	PI/2 BPSK	135	138	17.76	17.82	17.71	18.9	0.0
100	PI/2 BPSK	270	0	17.81	17.80	17.81	18.9	0.0
100	QPSK	1	1	17.75	17.95	17.82		
100	QPSK	1	137	17.63	17.74	17.76		
100	QPSK	1	271	17.75	17.70	17.79		
100	QPSK	135	0	17.78	17.88	17.82	18.9	0.0
100	QPSK	135	69	17.65	17.90	17.77	18.9	0.0
100	QPSK	135	138	17.67	17.67	17.81	18.9	0.0
100	QPSK	270	0	17.84	17.87	17.85	18.9	0.0
100	16QAM	1	1	17.83	17.84	17.85	18.9	0.0
100	64QAM	1	1	17.26	17.41	17.39	18.5	0.4
100	256QAM	1	1	15.64	15.67	15.74	16.5	2.4
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	17.77	17.87	17.73	18.9	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	17.74	17.81	17.78	18.9	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3940	3945	(dBm)	(dB)
70	QPSK	1	1	17.64	17.88	17.71	18.9	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	17.81	17.83	17.75	18.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	17.75	17.70	17.92	18.9	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	17.77	17.82	17.70	18.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	17.80	17.85	17.82	18.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	17.80	17.67	17.85	18.9	0.0

Part27O n78 PC2&PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	18.9	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.63		18.9	0.0
100	PI/2 BPSK	1	137		17.62			
100	PI/2 BPSK	1	271		17.74			
100	PI/2 BPSK	135	0		17.66			
100	PI/2 BPSK	135	69		17.85		18.9	0.0
100	PI/2 BPSK	135	138		17.71		18.9	0.0
100	PI/2 BPSK	270	0		17.81		18.9	0.0
100	QPSK	1	1		17.92			
100	QPSK	1	137		17.57			
100	QPSK	1	271		17.49			
100	QPSK	135	0		17.73		18.9	0.0
100	QPSK	135	69		17.82		18.9	0.0
100	QPSK	135	138		17.54		18.9	0.0
100	QPSK	270	0		17.81		18.9	0.0
100	16QAM	1	1		17.71		18.9	0.0
100	64QAM	1	1		17.42		18.5	0.4
100	256QAM	1	1		15.54		16.5	2.4
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	17.57	17.68	17.68	18.9	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	17.64	17.58	17.63	18.9	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	17.43	17.70	17.82	18.9	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	17.64	17.72	17.66	18.9	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	17.57	17.66	17.67	18.9	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	17.62	17.65	17.75	18.9	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	17.52	17.70	17.60	18.9	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.49	17.65	17.75	18.9	0.0

Reduced Power Mode for DSI3 Simultaneous

n5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.75	22.81	22.69		
20	PI/2 BPSK	1	53	22.53	22.68	22.59	24.0	0.0
20	PI/2 BPSK	1	104	22.49	22.62	22.57		
20	PI/2 BPSK	50	0	22.22	22.32	22.23		
20	PI/2 BPSK	50	28	22.57	22.67	22.58	24.0	0.0
20	PI/2 BPSK	50	56	22.07	22.16	22.02		
20	PI/2 BPSK	100	0	22.27	22.34	22.22		
20	QPSK	1	1	22.87	22.88	22.82	24.0	0.0
20	QPSK	1	53	22.64	22.71	22.65		
20	QPSK	1	104	22.40	22.54	22.51		
20	QPSK	50	0	21.75	21.86	21.80	23.0	1.0
20	QPSK	50	28	22.60	22.71	22.66		
20	QPSK	50	56	21.67	21.75	21.61		
20	QPSK	100	0	21.72	21.83	21.72	23.0	1.0
20	16QAM	1	1	21.64	21.76	21.70		
20	64QAM	1	1	20.20	20.34	20.27		
20	256QAM	1	1	18.14	18.29	18.17	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.74	22.83	22.70		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.76	22.79	22.75		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.77	22.85	22.69		

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.19	23.25	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.19	23.13		
20	PI/2 BPSK	1	104	22.91	23.02	22.95		
20	PI/2 BPSK	50	0	22.57	22.66	22.54	24.0	0.0
20	PI/2 BPSK	50	28	22.92	22.99	22.87	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.49	22.41	24.0	0.0
20	PI/2 BPSK	100	0	22.56	22.63	22.57		
20	QPSK	1	1	23.23	23.28	23.19	24.0	0.0
20	QPSK	1	53	22.84	22.98	22.90		
20	QPSK	1	104	22.75	22.85	22.72		
20	QPSK	50	0	22.08	22.15	22.01	24.0	0.0
20	QPSK	50	28	22.88	23.01	22.92	24.0	0.0
20	QPSK	50	56	21.91	22.01	21.96	24.0	0.0
20	QPSK	100	0	22.20	22.25	22.14		
20	16QAM	1	1	22.13	22.24	22.20	24.0	0.0
20	64QAM	1	1	21.18	21.31	21.17	24.0	0.0
20	256QAM	1	1	18.66	18.72	18.58	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.16	23.23	23.12	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.10	23.15	23.07	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.11	23.18	23.09	24.0	0.0

Part270 n77PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	16.4	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.96	14.96	14.83	16.4	0.0
100	PI/2 BPSK	1	137	14.89	14.80	14.84		
100	PI/2 BPSK	1	271	14.85	14.91	14.92		
100	PI/2 BPSK	135	0	14.84	14.83	14.91		
100	PI/2 BPSK	135	69	14.84	14.86	14.73		
100	PI/2 BPSK	135	138	14.72	14.89	14.84		
100	PI/2 BPSK	270	0	14.74	14.74	14.75	16.4	0.0
100	QPSK	1	1	14.97	15.11	14.98	16.4	0.0
100	QPSK	1	137	14.83	14.92	14.92		
100	QPSK	1	271	14.81	14.84	14.82		
100	QPSK	135	0	14.86	14.90	14.83	16.4	0.0
100	QPSK	135	69	14.72	14.93	14.82	16.4	0.0
100	QPSK	135	138	14.71	14.71	14.82	16.4	0.0
100	QPSK	270	0	14.74	14.98	14.83	16.4	0.0
100	16QAM	1	1	14.66	14.89	14.76	16.4	0.0
100	64QAM	1	1	14.73	14.65	14.75	16.4	0.0
100	256QAM	1	1	14.75	14.81	14.80	16.4	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	14.77	14.88	14.91	16.4	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	14.81	14.96	14.70	16.4	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3940	3945	(dBm)	(dB)
70	QPSK	1	1	14.77	14.88	14.74	16.4	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	14.70	14.76	14.93	16.4	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	14.81	14.80	14.83	16.4	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	14.92	14.88	14.84	16.4	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	14.78	14.80	14.71	16.4	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	14.84	14.94	14.79	16.4	0.0

Part270 n78 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	16.4	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.87		16.4	0.0
100	PI/2 BPSK	1	137		14.82			
100	PI/2 BPSK	1	271		14.74			
100	PI/2 BPSK	135	0		14.80			
100	PI/2 BPSK	135	69		14.75			
100	PI/2 BPSK	135	138		14.74			
100	PI/2 BPSK	270	0		14.70		16.4	0.0
100	QPSK	1	1		15.01		16.4	0.0
100	QPSK	1	137		14.91			
100	QPSK	1	271		14.85			
100	QPSK	135	0		14.86		16.4	0.0
100	QPSK	135	69		14.89		16.4	0.0
100	QPSK	135	138		14.90		16.4	0.0
100	QPSK	270	0		14.90		16.4	0.0
100	16QAM	1	1		14.74		16.4	0.0
100	64QAM	1	1		14.55		16.4	0.0
100	256QAM	1	1		14.72		16.4	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	14.65	14.88	14.56	16.4	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	14.66	14.67	14.62	16.4	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	14.65	14.77	14.54	16.4	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	14.78	14.65	14.52	16.4	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	14.80	14.82	14.74	16.4	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	14.82	14.76	14.63	16.4	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	14.63	14.68	14.73	16.4	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	14.71	14.87	14.67	16.4	0.0

Part270 n77 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	13.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.78	11.84	11.71	13.0	0.0
100	PI/2 BPSK	1	137	11.82	11.85	11.81		
100	PI/2 BPSK	1	271	11.84	11.90	11.75		
100	PI/2 BPSK	135	0	11.78	11.76	11.86		
100	PI/2 BPSK	135	69	11.69	11.75	11.73		
100	PI/2 BPSK	135	138	11.62	11.80	11.92		
100	PI/2 BPSK	270	0	11.53	11.56	11.69	13.0	0.0
100	QPSK	1	1	11.81	12.07	11.89		
100	QPSK	1	137	11.87	11.69	11.68		
100	QPSK	1	271	11.65	11.55	11.74		
100	QPSK	135	0	11.82	11.82	11.78		
100	QPSK	135	69	11.58	12.03	11.62		
100	QPSK	135	138	11.75	11.61	11.74	13.0	0.0
100	QPSK	270	0	11.72	11.96	11.67		
100	16QAM	1	1	11.55	11.81	11.78		
100	64QAM	1	1	11.61	11.69	11.80		
100	256QAM	1	1	11.77	11.80	11.63		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	13.0	0.0
90	QPSK	1	1	11.86	11.78	11.85	13.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	13.0	0.0
80	QPSK	1	1	11.82	11.93	11.78	13.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945	13.0	0.0
70	QPSK	1	1	11.77	11.67	11.61	13.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	13.0	0.0
60	QPSK	1	1	11.66	11.86	11.80	13.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	13.0	0.0
50	QPSK	1	1	11.69	11.95	11.77	13.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	13.0	0.0
40	QPSK	1	1	11.66	11.79	11.73	13.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	13.0	0.0
30	QPSK	1	1	11.86	11.76	11.89	13.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	13.0	0.0
20	QPSK	1	1	11.77	11.92	11.79	13.0	0.0

Part270 n78 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	13.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		11.80		13.0	0.0
100	PI/2 BPSK	1	137		11.70			
100	PI/2 BPSK	1	271		11.64			
100	PI/2 BPSK	135	0		11.76			
100	PI/2 BPSK	135	69		11.59			
100	PI/2 BPSK	135	138		11.72			
100	PI/2 BPSK	270	0		11.36		13.0	0.0
100	QPSK	1	1		11.89			
100	QPSK	1	137		11.87			
100	QPSK	1	271		11.52			
100	QPSK	135	0		11.72			
100	QPSK	135	69		11.81			
100	QPSK	135	138		11.58		13.0	0.0
100	QPSK	270	0		11.76			
100	16QAM	1	1		11.84			
100	64QAM	1	1		11.63			
100	256QAM	1	1		11.60			
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	13.0	0.0
90	QPSK	1	1	11.67	11.70	11.57	13.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	13.0	0.0
80	QPSK	1	1	11.53	11.71	11.49	13.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	13.0	0.0
70	QPSK	1	1	11.51	11.66	11.53	13.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	13.0	0.0
60	QPSK	1	1	11.59	11.87	11.57	13.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	13.0	0.0
50	QPSK	1	1	11.71	11.81	11.49	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	13.0	0.0
40	QPSK	1	1	11.48	11.75	11.58	13.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	13.0	0.0
30	QPSK	1	1	11.66	11.85	11.45	13.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	13.0	0.0
20	QPSK	1	1	11.48	11.75	11.61	13.0	0.0

n7 Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.62	18.77	18.66	19.8	0.0
40	PI/2 BPSK	1	108	18.59	18.74	18.55		
40	PI/2 BPSK	1	214	18.72	18.82	18.59		
40	PI/2 BPSK	108	0	18.61	18.73	18.51	19.8	0.0
40	PI/2 BPSK	108	54	18.53	18.69	18.50	19.8	0.0
40	PI/2 BPSK	108	108	18.71	18.81	18.59	19.8	0.0
40	PI/2 BPSK	216	0	18.59	18.73	18.52		
40	QPSK	1	1	18.78	18.89	18.72	19.8	0.0
40	QPSK	1	108	18.61	18.76	18.56		
40	QPSK	1	214	18.63	18.79	18.66		
40	QPSK	108	0	18.59	18.71	18.59	19.8	0.0
40	QPSK	108	54	18.65	18.76	18.56	19.8	0.0
40	QPSK	108	108	18.56	18.73	18.61	19.8	0.0
40	QPSK	216	0	18.66	18.75	18.63		
40	16QAM	1	1	18.41	18.51	18.29	19.8	0.0
40	64QAM	1	1	18.50	18.57	18.42	19.8	0.0
40	256QAM	1	1	18.18	18.34	18.16	19.5	0.3
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.63	18.77	18.64	19.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.65	18.85	18.68	19.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.72	18.79	18.60	19.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.70	18.82	18.65	19.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.65	18.76	18.68	19.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.64	18.81	18.63	19.8	0.0



Part270 n77 Ant5

BW [MHz]	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	P12 BPSK	1	1	18.31	18.36	18.25		
100	P12 BPSK	1	137	18.22	18.32	18.21	19.5	0.0
100	P12 BPSK	1	271	18.08	18.23	18.16		
100	P12 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	P12 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	P12 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	P12 BPSK	270	0	17.77	17.92	17.82		
100	QPSK	1	1	18.32	18.42	18.27		
100	QPSK	1	137	18.31	18.35	18.34	19.5	0.0
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.35	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32		
100	16QAM	1	1	17.25	17.29	17.23	18.5	1.0
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.18	18.20	18.14	19.5	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.18	18.32	18.22	19.5	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01		
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.22	18.34	18.21	19.5	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.29	18.28	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	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	P12 BPSK	1	1	21.05	21.07	21.02		
100	P12 BPSK	1	137	20.80	21.10	20.96	22.3	0.0
100	P12 BPSK	1	271	20.83	20.93	20.77		
100	P12 BPSK	135	0	20.42	20.59	20.68	22.0	0.3
100	P12 BPSK	135	69	21.03	20.93	21.02	22.3	0.0
100	P12 BPSK	135	138	20.42	20.70	20.49	22.0	0.3
100	P12 BPSK	270	0	20.67	20.65	20.47		
100	QPSK	1	1	21.07	21.18	21.06		
100	QPSK	1	137	20.95	21.12	20.99	22.3	0.0
100	QPSK	1	271	20.95	20.87	20.93		
100	QPSK	135	0	20.08	20.23	20.18	21.5	0.8
100	QPSK	135	69	20.89	21.16	20.77	22.3	0.0
100	QPSK	135	138	19.84	20.05	19.89	21.5	0.8
100	QPSK	270	0	19.86	20.15	19.97		
100	16QAM	1	1	20.02	19.92	19.91	21.5	0.8
100	64QAM	1	1	18.28	18.39	18.21	20.2	1.8
100	256QAM	1	1	16.01	16.08	16.10	18.0	4.3
Channel				648668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.99	20.94	20.96	22.3	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.87	21.05	20.87	22.3	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.04	21.05	20.83	22.3	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.03	21.13	21.02	22.3	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.88	20.98	20.90	22.3	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3840	3960.01		
40	QPSK	1	1	21.02	21.12	20.94	22.3	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.84	21.01	20.84	22.3	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.93	21.01	20.95	22.3	0.0

Part270 n78 Ant5

BW [MHz]	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	P12 BPSK	1	1			18.78		
100	P12 BPSK	1	137			18.61	19.5	0.0
100	P12 BPSK	1	271			18.53		
100	P12 BPSK	135	0			18.25	19.0	0.5
100	P12 BPSK	135	69			18.64	19.5	0.0
100	P12 BPSK	135	138			17.93	19.0	0.5
100	P12 BPSK	270	0			18.01		
100	QPSK	1	1			18.83		
100	QPSK	1	137			18.77	19.5	0.0
100	QPSK	1	271			18.49		
100	QPSK	135	0			17.75	18.5	1.0
100	QPSK	135	69			18.53	19.5	0.0
100	QPSK	135	138			17.46	18.5	1.0
100	QPSK	270	0			17.52		
100	16QAM	1	1			17.82	18.5	1.0
100	64QAM	1	1			16.48	17.0	2.5
100	256QAM	1	1			14.06	15.0	4.5
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel				649334	650000	660668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.73	18.80	18.70	19.5	0.0
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.78	18.71	18.77	19.5	0.0
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel				647668	650000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3780.01		
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.79	18.69	18.73	19.5	0.0
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.74				
100	PI/2 BPSK	1	137		19.67		21.0	0.0	
100	PI/2 BPSK	1	271		19.53				
100	PI/2 BPSK	135	0		19.32		20.5	0.5	
100	PI/2 BPSK	135	69		19.66		21.0	0.0	
100	PI/2 BPSK	135	138		18.98		20.5	0.5	
100	PI/2 BPSK	270	0		18.99				
100	QPSK	1	1		19.84				
100	QPSK	1	137		19.79		21.0	0.0	
100	QPSK	1	271		19.49				
100	QPSK	135	0		18.70		20.0	1.0	
100	QPSK	135	69		19.51		21.0	0.0	
100	QPSK	135	138		18.47		20.0	1.0	
100	QPSK	270	0		18.59				
100	16QAM	1	1		18.78		20.0	1.0	
100	64QAM	1	1		17.51		18.5	2.5	
100	256QAM	1	1		15.11		16.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.74	19.70	19.76	21.0	0.0
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		19.69	19.75	19.73	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.71	19.69	19.70	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3730.01			
60	QPSK	1	1		19.70	19.78	19.74	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.77	19.71	19.79	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.72	19.77	19.79	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		19.74	19.78	19.76	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		19.78	19.72	19.73	21.0	0.0

Part270 n77 PC2&PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	3750	3830
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.57	16.54	16.73	17.9	0.0
100	PI/2 BPSK	1	137	16.55	16.63	16.84		
100	PI/2 BPSK	1	271	16.82	16.80	16.58		
100	PI/2 BPSK	135	0	16.66	16.79	16.69		
100	PI/2 BPSK	135	69	16.56	16.70	16.72	17.9	0.0
100	PI/2 BPSK	135	138	16.67	16.62	16.72	17.9	0.0
100	PI/2 BPSK	270	0	16.65	16.74	16.70		
100	QPSK	1	1	16.97	17.00	16.91	17.9	0.0
100	QPSK	1	137	16.63	16.66	16.56		
100	QPSK	1	271	16.74	16.69	16.60		
100	QPSK	135	0	16.57	16.72	16.74		
100	QPSK	135	69	16.81	16.98	16.74	17.9	0.0
100	QPSK	135	138	16.62	16.55	16.69	17.9	0.0
100	QPSK	270	0	16.68	16.90	16.69		
100	16QAM	1	1	16.66	16.65	16.87	17.9	0.0
100	64QAM	1	1	16.20	16.38	16.28	17.9	0.0
100	256QAM	1	1	14.58	14.59	14.74	16.5	1.4
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	16.71	16.68	16.81	17.9	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	16.73	16.80	16.63	17.9	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3940	3945	(dBm)	(dB)
70	QPSK	1	1	16.67	16.63	16.61	17.9	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	16.68	16.63	16.63	17.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	16.74	16.59	16.71	17.9	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.75	16.73	16.73	17.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	16.83	16.62	16.82	17.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	16.61	16.79	16.67	17.9	0.0

Part270 n78 PC2&PC3 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	3750	3750
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.49		17.9	0.0
100	PI/2 BPSK	1	137		16.71			
100	PI/2 BPSK	1	271		16.67			
100	PI/2 BPSK	135	0		16.65			
100	PI/2 BPSK	135	69		16.74		17.9	0.0
100	PI/2 BPSK	135	138		16.62		17.9	0.0
100	PI/2 BPSK	270	0		16.62			
100	QPSK	1	1		16.83		17.9	0.0
100	QPSK	1	137		16.52			
100	QPSK	1	271		16.48			
100	QPSK	135	0		16.71			
100	QPSK	135	69		16.77		17.9	0.0
100	QPSK	135	138		16.37		17.9	0.0
100	QPSK	270	0		16.71			
100	16QAM	1	1		16.54		17.9	0.0
100	64QAM	1	1		16.10		17.9	0.0
100	256QAM	1	1		14.59		16.5	1.4
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	16.52	16.57	16.66	17.9	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	16.39	16.63	16.59	17.9	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.36	16.54	16.50	17.9	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	16.39	16.64	16.55	17.9	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.35	16.43	16.46	17.9	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.38	16.51	16.47	17.9	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	16.55	16.64	16.61	17.9	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.36	16.60	16.60	17.9	0.0

Reduced Power Mode for DSI6

n5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.75	22.81	22.69		
20	PI/2 BPSK	1	53	22.53	22.68	22.59	24.0	0.0
20	PI/2 BPSK	1	104	22.49	22.62	22.57		
20	PI/2 BPSK	50	0	22.22	22.32	22.23		
20	PI/2 BPSK	50	28	22.57	22.67	22.58	23.5	0.5
20	PI/2 BPSK	50	56	22.07	22.16	22.02		
20	PI/2 BPSK	100	0	22.27	22.34	22.22		
20	QPSK	1	1	22.87	22.88	22.82	24.0	0.0
20	QPSK	1	53	22.64	22.71	22.65		
20	QPSK	1	104	22.40	22.54	22.51		
20	QPSK	50	0	21.75	21.86	21.80	23.0	1.0
20	QPSK	50	28	22.60	22.71	22.66		
20	QPSK	50	56	21.67	21.75	21.61		
20	QPSK	100	0	21.72	21.83	21.72	23.0	1.0
20	16QAM	1	1	21.64	21.76	21.70		
20	64QAM	1	1	20.20	20.34	20.27		
20	256QAM	1	1	18.14	18.29	18.17	19.5	4.5
Channel				166300	167300	168300	24.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.74	22.83	22.70		
Channel				165800	167300	168800	24.0	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.76	22.79	22.75		
Channel				165300	167300	169300	24.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.77	22.85	22.69		

n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.19	23.25	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.19	23.13		
20	PI/2 BPSK	1	104	22.91	23.02	22.95		
20	PI/2 BPSK	50	0	22.57	22.66	22.54	23.5	0.5
20	PI/2 BPSK	50	28	22.92	22.99	22.87	24.0	0.0
20	PI/2 BPSK	50	56	22.45	22.49	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.56	22.63	22.57		
20	QPSK	1	1	23.23	23.28	23.19	24.0	0.0
20	QPSK	1	53	22.84	22.98	22.90		
20	QPSK	1	104	22.75	22.85	22.72		
20	QPSK	50	0	22.08	22.15	22.01	23.0	1.0
20	QPSK	50	28	22.88	23.01	22.92	24.0	0.0
20	QPSK	50	56	21.91	22.01	21.96	23.0	1.0
20	QPSK	100	0	22.20	22.25	22.14		
20	16QAM	1	1	22.13	22.24	22.20	23.0	1.0
20	64QAM	1	1	21.18	21.31	21.17	21.5	2.5
20	256QAM	1	1	18.66	18.72	18.58	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	23.16	23.23	23.12		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	23.10	23.15	23.07		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	23.11	23.18	23.09		

Part270 n77 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	20.1	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.71	18.73	18.65	20.1	0.0
100	PI/2 BPSK	1	137	18.64	18.69	18.59		
100	PI/2 BPSK	1	271	18.84	18.91	18.85	20.1	0.0
100	PI/2 BPSK	135	0	18.70	18.78	18.74		
100	PI/2 BPSK	135	69	18.72	18.81	18.70	20.1	0.0
100	PI/2 BPSK	135	138	18.87	18.89	18.76		
100	PI/2 BPSK	270	0	18.63	18.74	18.67	20.1	0.0
100	QPSK	1	1	18.95	18.97	18.84		
100	QPSK	1	137	18.76	18.91	18.81	20.1	0.0
100	QPSK	1	271	18.69	18.80	18.78		
100	QPSK	135	0	18.66	18.73	18.69	20.1	0.0
100	QPSK	135	69	18.92	18.95	18.85		
100	QPSK	135	138	18.80	18.85	18.73	20.1	0.0
100	QPSK	270	0	18.74	18.86	18.84		
100	16QAM	1	1	18.64	18.71	18.63	20.1	0.0
100	64QAM	1	1	18.64	18.78	18.71		
100	256QAM	1	1	18.39	18.41	18.30	19.5	0.6
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	18.73	18.87	18.86	20.1	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	18.89	18.82	18.91	20.1	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3940	3945	(dBm)	(dB)
70	QPSK	1	1	18.93	18.86	18.86	20.1	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	18.75	18.82	18.89	20.1	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	18.70	18.89	18.86	20.1	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.90	18.72	18.74	20.1	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	18.81	18.91	18.85	20.1	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	18.73	18.80	18.71	20.1	0.0

Part270 n78 PC2&PC3 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	20.1	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.50		20.1	0.0
100	PI/2 BPSK	1	137		18.29			
100	PI/2 BPSK	1	271		18.42		20.1	0.0
100	PI/2 BPSK	135	0		18.35			
100	PI/2 BPSK	135	69		18.44		20.1	0.0
100	PI/2 BPSK	135	138		18.29			
100	PI/2 BPSK	270	0		18.45		20.1	0.0
100	QPSK	1	1		18.52			
100	QPSK	1	137		18.40		20.1	0.0
100	QPSK	1	271		18.37			
100	QPSK	135	0		18.41		20.1	0.0
100	QPSK	135	69		18.44			
100	QPSK	135	138		18.37		20.1	0.0
100	QPSK	270	0		18.42			
100	16QAM	1	1		18.35		20.1	0.0
100	64QAM	1	1		18.44			
100	256QAM	1	1		18.07		19.5	0.6
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.36	18.42	18.40	20.1	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	18.43	18.33	18.43	20.1	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.47	18.51	18.33	20.1	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.51	18.38	18.34	20.1	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.41	18.44	18.30	20.1	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.38	18.41	18.43	20.1	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	18.46	18.38	18.47	20.1	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	18.40	18.28	18.42	20.1	0.0

Part270 n77 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.65	15.73	15.61	17.0	0.0
100	PI/2 BPSK	1	137	15.62	15.61	15.74		
100	PI/2 BPSK	1	271	15.62	15.81	15.58		
100	PI/2 BPSK	135	0	15.82	15.77	15.62		
100	PI/2 BPSK	135	69	15.67	15.71	15.69	17.0	0.0
100	PI/2 BPSK	135	138	15.83	15.79	15.64	17.0	0.0
100	PI/2 BPSK	270	0	15.68	15.79	15.72		
100	QPSK	1	1	15.81	15.88	15.86	17.0	0.0
100	QPSK	1	137	15.72	15.70	15.81		
100	QPSK	1	271	15.81	15.63	15.71	17.0	0.0
100	QPSK	135	0	15.71	15.63	15.75		
100	QPSK	135	69	15.80	15.81	15.73	17.0	0.0
100	QPSK	135	138	15.71	15.59	15.71	17.0	0.0
100	QPSK	270	0	15.67	15.75	15.66		
100	16QAM	1	1	15.70	15.81	15.70	17.0	0.0
100	64QAM	1	1	15.73	15.75	15.76	17.0	0.0
100	256QAM	1	1	15.84	15.82	15.68	17.0	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	15.64	15.60	15.75	17.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	15.75	15.81	15.69	17.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3940	3945	(dBm)	(dB)
70	QPSK	1	1	15.80	15.69	15.67	17.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	15.71	15.64	15.75	17.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	15.81	15.79	15.75	17.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	15.65	15.59	15.75	17.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	15.69	15.78	15.72	17.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	15.76	15.59	15.59	17.0	0.0

Part270 n78 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	17.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.73		17.0	0.0
100	PI/2 BPSK	1	137		15.65			
100	PI/2 BPSK	1	271		15.66			
100	PI/2 BPSK	135	0		15.59			
100	PI/2 BPSK	135	69		15.71		17.0	0.0
100	PI/2 BPSK	135	138		15.59		17.0	0.0
100	PI/2 BPSK	270	0		15.59			
100	QPSK	1	1		15.77		17.0	0.0
100	QPSK	1	137		15.68			
100	QPSK	1	271		15.71		17.0	0.0
100	QPSK	135	0		15.56			
100	QPSK	135	69		15.75		17.0	0.0
100	QPSK	135	138		15.61		17.0	0.0
100	QPSK	270	0		15.72			
100	16QAM	1	1		15.68		17.0	0.0
100	64QAM	1	1		15.71		17.0	0.0
100	256QAM	1	1		15.68		17.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.60	15.66	15.62	17.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.70	15.75	15.72	17.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.69	15.76	15.53	17.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.63	15.57	15.66	17.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.74	15.55	15.58	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.62	15.62	15.73	17.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.64	15.62	15.73	17.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.65	15.68	15.75	17.0	0.0

n7 Ant5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	19.68	19.71	19.72		
40	PI/2 BPSK	1	108	19.69	19.77	19.71	20.5	0.0
40	PI/2 BPSK	1	214	19.70	19.73	19.76		
40	PI/2 BPSK	108	0	19.71	19.73	19.74	20.5	0.0
40	PI/2 BPSK	108	54	19.68	19.75	19.72	20.5	0.0
40	PI/2 BPSK	108	108	19.76	19.78	19.70		
40	PI/2 BPSK	216	0	19.63	19.75	19.79	20.5	0.0
40	QPSK	1	1	19.74	19.81	19.79		
40	QPSK	1	108	19.68	19.75	19.72	20.5	0.0
40	QPSK	1	214	19.70	19.79	19.72		
40	QPSK	108	0	18.72	18.76	18.76	19.5	1.0
40	QPSK	108	54	19.72	19.74	19.69	20.5	0.0
40	QPSK	108	108	18.65	18.71	18.65		
40	QPSK	216	0	18.65	18.77	18.70	19.5	1.0
40	16QAM	1	1	19.49	19.55	19.48	20.5	0.0
40	64QAM	1	1	19.51	19.53	19.53	20.5	0.0
40	256QAM	1	1	18.45	18.50	18.53	19.5	1.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.69	19.73	19.75	20.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.78	19.79	19.74	20.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.66	19.76	19.72	20.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.69	19.74	19.80	20.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.74	19.77	19.72	20.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.77	19.76	19.76	20.5	0.0

Part270 n77 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.31	18.30	18.29	19.5	0.0
100	Pi2 BPSK	1	137	18.22	18.32	18.21		
100	Pi2 BPSK	1	271	18.08	18.23	18.16		
100	Pi2 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	Pi2 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	Pi2 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	Pi2 BPSK	270	0	17.77	17.82	17.82		
100	QPSK	1	1	18.32	18.42	18.27	19.5	0.0
100	QPSK	1	137	18.31	18.36	18.34		
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.35	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32	18.5	1.0
100	16QAM	1	1	17.25	17.29	17.23		
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.18	18.29	18.14	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.11	18.32	18.22	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.42	18.34	18.21	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.26	18.26	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	21.44	21.56	21.41	22.5	0.0
100	Pi2 BPSK	1	137	21.39	21.57	21.42		
100	Pi2 BPSK	1	271	21.23	21.45	21.38		
100	Pi2 BPSK	135	0	20.84	21.11	21.08	22.0	0.5
100	Pi2 BPSK	135	69	21.52	21.54	21.58	22.5	0.0
100	Pi2 BPSK	135	138	20.99	21.12	20.98	22.0	0.5
100	Pi2 BPSK	270	0	21.07	21.11	21.04		
100	QPSK	1	1	21.55	21.62	21.50	22.5	0.0
100	QPSK	1	137	21.48	21.51	21.52		
100	QPSK	1	271	21.52	21.45	21.40		
100	QPSK	135	0	20.68	20.61	20.68	21.5	1.0
100	QPSK	135	69	21.38	21.60	21.37	22.5	0.0
100	QPSK	135	138	20.44	20.45	20.38	21.5	1.0
100	QPSK	270	0	20.48	20.54	20.46		
100	16QAM	1	1	20.45	20.46	20.44	21.5	1.0
100	64QAM	1	1	18.79	18.90	18.80	20.0	2.5
100	256QAM	1	1	16.57	16.60	16.53	18.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.49	21.54	21.37	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.40	21.58	21.49	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.40	21.40	21.47	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.49	21.55	21.43	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.46	21.42	21.44	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.45	21.55	21.42	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.42	21.40	21.39	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.40	21.53	21.44	22.5	0.0

Part270 n78 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.78			19.5	0.0
100	Pi2 BPSK	1	137		18.61			
100	Pi2 BPSK	1	271		18.53			
100	Pi2 BPSK	135	0		18.25		19.0	0.5
100	Pi2 BPSK	135	69		18.64		19.5	0.0
100	Pi2 BPSK	135	138		17.93			
100	Pi2 BPSK	270	0		18.01		19.5	0.0
100	QPSK	1	1		18.53			
100	QPSK	1	137		18.77			
100	QPSK	1	271		18.49		18.5	1.0
100	QPSK	135	0		17.75			
100	QPSK	135	69		18.53		19.5	0.0
100	QPSK	135	138		17.46		18.5	1.0
100	QPSK	270	0		17.50			
100	16QAM	1	1		17.82		18.5	1.0
100	64QAM	1	1		16.48		17.0	2.5
100	256QAM	1	1		14.05		15.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.73	18.80	18.76	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.76	18.71	18.77	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.73	18.69	18.73	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Modem Ch. / Freq. 650000	Power High Ch. / Freq. 650000	
Channel				3750	3750	3750	
100	PQ2 BPSK	1	1	19.74			
100	PQ2 BPSK	1	137	19.57			21.0
100	PQ2 BPSK	1	271	19.53			
100	PQ2 BPSK	135	0	19.52			20.5
100	PQ2 BPSK	135	69	19.48			21.0
100	PQ2 BPSK	135	138	18.98			20.5
100	PQ2 BPSK	270	0	18.99			0.5
100	QPSK	1	1	19.54			
100	QPSK	1	137	19.79			21.0
100	QPSK	1	271	19.49			0.0
100	QPSK	135	0	18.70			20.0
100	QPSK	135	69	19.51			21.0
100	QPSK	135	138	18.47			20.0
100	QPSK	270	0	18.55			
100	16QAM	1	1	18.78			20.0
100	64QAM	1	1	17.51			18.5
100	256QAM	1	1	15.11			16.5
Channel				649668	650000	650334	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dB)
90	QPSK	1	1	19.74	19.70	19.76	21.0
Channel				649334	650000	650668	MPR
Frequency (MHz)				3740.91	3750	3760.02	(dB)
80	QPSK	1	1	19.69	19.75	19.73	21.0
Channel				649000	650000	651000	MPR
Frequency (MHz)				3735	3750	3765	(dB)
70	QPSK	1	1	19.71	19.69	19.70	21.0
Channel				648668	650000	651334	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dB)
60	QPSK	1	1	19.70	19.76	19.74	21.0
Channel				648334	650000	651668	MPR
Frequency (MHz)				3725.91	3750	3775.02	(dB)
50	QPSK	1	1	19.77	19.71	19.79	21.0
Channel				648000	650000	652000	MPR
Frequency (MHz)				3720	3750	3780	(dB)
40	QPSK	1	1	19.72	19.77	19.79	21.0
Channel				647668	650000	652334	MPR
Frequency (MHz)				3715.02	3750	3795.01	(dB)
30	QPSK	1	1	19.74	19.73	19.75	21.0
Channel				647334	650000	652668	MPR
Frequency (MHz)				3710.91	3750	3790.02	(dB)
20	QPSK	1	1	19.78	19.72	19.73	21.0



Part270 n77 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.37	19.42	19.44		21.0	0.0
100	PI2 BPSK	1	137	19.20	19.29	19.28			
100	PI2 BPSK	1	271	19.17	19.29	19.15			
100	PI2 BPSK	135	0	19.55	19.56	19.58	20.5	0.5	
100	PI2 BPSK	135	69	19.28	19.32	19.24	21.0	0.0	
100	PI2 BPSK	135	138	19.62	19.54	19.61	20.5	0.5	
100	PI2 BPSK	270	0	19.56	19.62	19.65			
100	QPSK	1	1	19.40	19.46	19.42		21.0	0.0
100	QPSK	1	137	19.41	19.47	19.27			
100	QPSK	1	271	19.29	19.35	19.28			
100	QPSK	135	0	19.42	19.55	19.35	20.0	1.0	
100	QPSK	135	69	19.28	19.44	19.39	21.0	0.0	
100	QPSK	135	138	19.26	19.42	19.35	20.0	1.0	
100	QPSK	270	0	19.41	19.45	19.44			
100	16QAM	1	1	19.09	19.17	19.07	20.0	1.0	
100	64QAM	1	1	19.58	19.70	19.66	19.5	2.5	
100	256QAM	1	1	19.76	19.91	19.74	19.5	4.5	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.36	19.36	19.35	21.0	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.27	19.35	19.34	21.0	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.27	19.42	19.39	21.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.31	19.40	19.39	21.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.31	19.37	19.31	21.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.34	19.43	19.37	21.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3963.01			
30	QPSK	1	1	19.27	19.44	19.39	21.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.34	19.36	19.30	21.0	0.0	

Part270 n77 PC2 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.61	19.77	19.62		21.5	0.0
100	PI2 BPSK	1	137	19.61	19.80	19.67			
100	PI2 BPSK	1	271	19.61	19.63	19.74			
100	PI2 BPSK	135	0	19.55	19.70	19.57	21.5	0.0	
100	PI2 BPSK	135	69	19.57	19.73	19.54	21.5	0.0	
100	PI2 BPSK	135	138	19.59	19.62	19.70	21.5	0.0	
100	PI2 BPSK	270	0	19.66	19.80	19.74			
100	QPSK	1	1	19.79	19.93	19.81		21.5	0.0
100	QPSK	1	137	19.54	19.65	19.67			
100	QPSK	1	271	19.53	19.82	19.62			
100	QPSK	135	0	19.64	19.69	19.59	21.5	0.0	
100	QPSK	135	69	19.63	19.88	19.59	21.5	0.0	
100	QPSK	135	138	19.63	19.81	19.71	21.5	0.0	
100	QPSK	270	0	19.68	19.83	19.64			
100	16QAM	1	1	19.59	19.66	19.73	21.5	0.0	
100	64QAM	1	1	19.58	19.81	19.71	21.5	0.0	
100	256QAM	1	1	19.82	17.97	18.13	19.5	2.0	
Channel				645068	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.61	19.65	19.57	21.5	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.64	19.69	19.77	21.5	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.66	19.71	19.56	21.5	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.56	19.82	19.74	21.5	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.55	19.76	19.77	21.5	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.58	19.62	19.59	21.5	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3840	3963.01			
30	QPSK	1	1	19.55	19.74	19.65	21.5	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.59	19.78	19.81	21.5	0.0	

Part270 n78 Ant7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		19.49		21.0	0.0	
100	PI2 BPSK	1	137		19.41				
100	PI2 BPSK	1	271		19.46				
100	PI2 BPSK	135	0		18.95		20.5	0.5	
100	PI2 BPSK	135	69		19.43		21.0	0.0	
100	PI2 BPSK	135	138		19.02		20.5	0.5	
100	PI2 BPSK	270	0		19.06				
100	QPSK	1	1		19.00		21.0	0.0	
100	QPSK	1	137		19.55				
100	QPSK	1	271		19.58				
100	QPSK	135	0		18.71		20.0	1.0	
100	QPSK	135	69		19.56		21.0	0.0	
100	QPSK	135	138		18.50		20.0	1.0	
100	QPSK	270	0		18.59		20.0	1.0	
100	16QAM	1	1		18.62		20.0	1.0	
100	64QAM	1	1		18.60		18.5	2.5	
100	256QAM	1	1		15.31		18.5	4.5	
Channel				648668	650000	660334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	19.52	19.49	19.46	21.0	0.0	
Channel				649334	650000	660968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	19.42	19.39	19.46	21.0	0.0	
Channel				649000	650000	661000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.47	19.50	19.46	21.0	0.0	
Channel				648668	650000	661334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	19.50	19.44	19.42	21.0	0.0	
Channel				648334	650000	661668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19.44	19.39	19.45	21.0	0.0	
Channel				648000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.50	19.42	19.46	21.0	0.0	
Channel				647668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	19.48	19.43	19.36	21.0	0.0	
Channel				647334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	19.49	19.39	19.38	21.0	0.0	

Part270 n78 PC2 Ant7

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	PI/2 BPSK	1	1		19.55			
100	PI/2 BPSK	1	137		19.52		21.5	0.0
100	PI/2 BPSK	1	271		19.84			
100	PI/2 BPSK	135	0		19.53		21.5	0.0
100	PI/2 BPSK	135	69		19.55		21.5	0.0
100	PI/2 BPSK	135	138		19.67		21.5	0.0
100	PI/2 BPSK	270	0		19.73			
100	QPSK	1	1		19.74			
100	QPSK	1	137		19.58		21.5	0.0
100	QPSK	1	271		19.64			
100	QPSK	135	0		19.55		21.5	0.0
100	QPSK	135	69		19.73		21.5	0.0
100	QPSK	135	138		19.84			
100	QPSK	270	0		19.58		21.5	0.0
100	16QAM	1	1		19.54		21.5	0.0
100	64QAM	1	1		19.71		21.5	0.0
100	256QAM	1	1		18.00		19.5	2.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.58	19.54	19.55	21.5	0.0
Channel				649334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.59	19.71	19.54	21.5	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.55	19.68	19.54	21.5	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.52	19.57	19.55	21.5	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.51	19.58	19.55	21.5	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.54	19.62	19.54	21.5	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.59	19.62	19.57	21.5	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.54	19.62	19.58	21.5	0.0

Reduced Power Mode for DSI 4

Part270 n77 PC2&PC3 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.35	21.36	21.24			
100	PI/2 BPSK	1	137	21.39	21.45	21.43			
100	PI/2 BPSK	1	271	21.40	21.51	21.41	23.0	0.0	
100	PI/2 BPSK	135	0	21.39	21.39	21.32			
100	PI/2 BPSK	135	69	21.33	21.44	21.39			
100	PI/2 BPSK	135	138	21.18	21.30	21.22			
100	PI/2 BPSK	270	0	21.30	21.31	21.29	23.0	0.0	
100	QPSK	1	1	21.76	21.82	21.75			
100	QPSK	1	137	21.42	21.47	21.38			
100	QPSK	1	271	21.26	21.36	21.32			
100	QPSK	135	0	21.31	21.35	21.33	23.0	0.0	
100	QPSK	135	69	21.68	21.76	21.69			
100	QPSK	135	138	21.39	21.47	21.37	23.0	0.0	
100	QPSK	270	0	21.64	21.70	21.68			
100	16QAM	1	1	21.35	21.40	21.39	23.0	0.0	
100	64QAM	1	1	19.77	19.78	19.77	21.5	1.5	
100	256QAM	1	1	18.69	18.71	18.65	19.5	3.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	21.70	21.72	21.61	23.0		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	21.64	21.77	21.63	23.0		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	21.66	21.75	21.71	23.0		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	21.62	21.78	21.65	23.0		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	21.62	21.69	21.68	23.0		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	21.62	21.71	21.65	23.0		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	21.65	21.74	21.62	23.0		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	21.65	21.69	21.60	23.0		

Part270 n78 PC2&PC3 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.29				
100	PI/2 BPSK	1	137		21.32				
100	PI/2 BPSK	1	271		21.36		23.0	0.0	
100	PI/2 BPSK	135	0		21.26				
100	PI/2 BPSK	135	69		21.32				
100	PI/2 BPSK	135	138		21.16				
100	PI/2 BPSK	270	0		21.16		23.0	0.0	
100	QPSK	1	1		21.69				
100	QPSK	1	137		21.37				
100	QPSK	1	271		21.23				
100	QPSK	135	0		21.24		23.0	0.0	
100	QPSK	135	69		21.62				
100	QPSK	135	138		21.36		23.0	0.0	
100	QPSK	270	0		21.56				
100	16QAM	1	1		21.30		23.0		
100	64QAM	1	1		19.61		21.5		
100	256QAM	1	1		18.62		19.5		
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.58	21.54	21.53	23.0		
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.54	21.55	21.54	23.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.59	21.63	21.55	23.0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.53	21.64	21.51	23.0		
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.52	21.63	21.52	23.0		
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.63	21.63	21.49	23.0		
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.56	21.57	21.45	23.0		
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.54	21.62	21.48	23.0		

Part270 n77 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.65	15.73	15.61	17.0	0.0
100	PI/2 BPSK	1	137	15.62	15.61	15.74		
100	PI/2 BPSK	1	271	15.62	15.81	15.58	17.0	0.0
100	PI/2 BPSK	135	0	15.82	15.77	15.62		
100	PI/2 BPSK	135	69	15.67	15.71	15.69	17.0	0.0
100	PI/2 BPSK	135	138	15.83	15.79	15.64		
100	PI/2 BPSK	270	0	15.68	15.79	15.72	17.0	0.0
100	QPSK	1	1	15.81	16.01	15.86		
100	QPSK	1	137	15.72	15.70	15.81	17.0	0.0
100	QPSK	1	271	15.81	15.63	15.71		
100	QPSK	135	0	15.71	15.63	15.75	17.0	0.0
100	QPSK	135	69	15.80	15.81	15.73		
100	QPSK	135	138	15.71	15.59	15.71	17.0	0.0
100	QPSK	270	0	15.67	15.75	15.66		
100	16QAM	1	1	15.70	15.81	15.70	17.0	0.0
100	64QAM	1	1	15.73	15.75	15.76		
100	256QAM	1	1	15.84	15.82	15.68	17.0	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	15.64	15.60	15.75	17.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	15.75	15.81	15.69	17.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	QPSK	1	1	15.80	15.69	15.67	17.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	15.71	15.64	15.75	17.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	15.81	15.79	15.75	17.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	15.65	15.59	15.75	17.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	15.69	15.78	15.72	17.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	15.76	15.59	15.59	17.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)							(dBm)	(dB)

Part270 n78 PC2&PC3 Ant3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	17.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.73		17.0	0.0
100	PI/2 BPSK	1	137		15.65			
100	PI/2 BPSK	1	271		15.66		17.0	0.0
100	PI/2 BPSK	135	0		15.59			
100	PI/2 BPSK	135	69		15.71		17.0	0.0
100	PI/2 BPSK	135	138		15.59			
100	PI/2 BPSK	270	0		15.59		17.0	0.0
100	QPSK	1	1		15.77			
100	QPSK	1	137		15.68		17.0	0.0
100	QPSK	1	271		15.71			
100	QPSK	135	0		15.55		17.0	0.0
100	QPSK	135	69		15.75			
100	QPSK	135	138		15.61		17.0	0.0
100	QPSK	270	0		15.72			
100	16QAM	1	1		15.88		17.0	0.0
100	64QAM	1	1		15.71			
100	256QAM	1	1		15.68		17.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.60	15.66	15.62	17.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.70	15.75	15.72	17.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3725	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.69	15.76	15.53	17.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.63	15.57	15.66	17.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.74	15.55	15.58	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.62	15.62	15.73	17.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.64	15.62	15.73	17.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.65	15.68	15.75	17.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)							(dBm)	(dB)

Part270 n77 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.31	18.30	18.29	19.5	0.0
100	Pi2 BPSK	1	137	18.22	18.32	18.21		
100	Pi2 BPSK	1	271	18.08	18.23	18.16		
100	Pi2 BPSK	135	0	17.76	17.89	17.85	19.0	0.5
100	Pi2 BPSK	135	69	18.23	18.31	18.27	19.5	0.0
100	Pi2 BPSK	135	138	17.73	17.84	17.70	19.0	0.5
100	Pi2 BPSK	270	0	17.77	17.82	17.82		
100	QPSK	1	1	18.32	18.42	18.27		
100	QPSK	1	137	18.31	18.36	18.34	19.5	0.0
100	QPSK	1	271	18.23	18.30	18.24		
100	QPSK	135	0	17.43	17.48	17.45	18.5	1.0
100	QPSK	135	69	18.22	18.29	18.20	19.5	0.0
100	QPSK	135	138	17.30	17.35	17.23	18.5	1.0
100	QPSK	270	0	17.34	17.42	17.32	18.5	1.0
100	16QAM	1	1	17.25	17.29	17.23		
100	64QAM	1	1	15.62	15.77	15.63	17.0	2.5
100	256QAM	1	1	13.34	13.43	13.31	15.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.21	18.35	18.20	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.18	18.29	18.14	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.11	18.32	18.22	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.25	18.31	18.19	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.24	18.37	18.23	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.25	18.38	18.15	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.42	18.34	18.21	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.26	18.26	18.19	19.5	0.0

Part270 n77 PC2 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	21.44	21.56	21.41	22.5	0.0
100	Pi2 BPSK	1	137	21.39	21.57	21.42		
100	Pi2 BPSK	1	271	21.23	21.45	21.38		
100	Pi2 BPSK	135	0	20.84	21.11	21.08	22.0	0.5
100	Pi2 BPSK	135	69	21.52	21.54	21.58	22.5	0.0
100	Pi2 BPSK	135	138	20.99	21.12	20.98	22.0	0.5
100	Pi2 BPSK	270	0	21.07	21.11	21.04		
100	QPSK	1	1	21.55	21.62	21.50		
100	QPSK	1	137	21.48	21.51	21.52	22.5	0.0
100	QPSK	1	271	21.52	21.45	21.40		
100	QPSK	135	0	20.68	20.61	20.68	21.5	1.0
100	QPSK	135	69	21.38	21.60	21.37	22.5	0.0
100	QPSK	135	138	20.44	20.45	20.38	21.5	1.0
100	QPSK	270	0	20.48	20.54	20.46	21.5	1.0
100	16QAM	1	1	20.45	20.46	20.44		
100	64QAM	1	1	18.79	18.90	18.80	20.0	2.5
100	256QAM	1	1	16.57	16.60	16.53	18.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.49	21.54	21.37	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.40	21.58	21.49	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.40	21.40	21.47	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.49	21.55	21.43	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.46	21.42	21.44	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.45	21.55	21.42	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.42	21.40	21.39	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.40	21.53	21.44	22.5	0.0

Part270 n78 Ant5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.78			19.5	0.0
100	Pi2 BPSK	1	137		18.61			
100	Pi2 BPSK	1	271		18.53			
100	Pi2 BPSK	135	0		18.25		19.0	0.5
100	Pi2 BPSK	135	69		18.64		19.5	0.0
100	Pi2 BPSK	135	138		17.93			
100	Pi2 BPSK	270	0		18.01			
100	QPSK	1	1		18.53		19.5	0.0
100	QPSK	1	137		18.77			
100	QPSK	1	271		18.49			
100	QPSK	135	0		17.75		18.5	1.0
100	QPSK	135	69		18.53		19.5	0.0
100	QPSK	135	138		17.46		18.5	1.0
100	QPSK	270	0		17.92		18.5	1.0
100	16QAM	1	1		17.82			
100	64QAM	1	1		16.48		17.0	2.5
100	256QAM	1	1		14.05		15.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.79	18.75	18.71	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.73	18.80	18.76	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.76	18.71	18.77	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.72	18.69	18.77	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.78	18.73	18.70	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.72	18.77	18.75	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.73	18.69	18.73	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.77	18.74	18.75	19.5	0.0

Part270 n78 PC2 Ant5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Modem Ch. / Freq. 650000	Power High Ch. / Freq. 650000	
Channel				3750	3750	3750	
100	PQ2 BPSK	1	1	19.74			
100	PQ2 BPSK	1	137	19.57			21.0 0.0
100	PQ2 BPSK	1	271	19.53			
100	PQ2 BPSK	135	0	19.52			20.5 0.5
100	PQ2 BPSK	135	69	19.48			21.0 0.0
100	PQ2 BPSK	135	138	18.98			20.5 0.5
100	PQ2 BPSK	270	0	18.99			
100	QPSK	1	1	19.54			
100	QPSK	1	137	19.79			21.0 0.0
100	QPSK	1	271	19.49			
100	QPSK	135	0	18.70			20.0 1.0
100	QPSK	135	69	19.51			21.0 0.0
100	QPSK	135	138	18.47			20.0 1.0
100	QPSK	270	0	18.55			
100	16QAM	1	1	18.78			20.0 1.0
100	64QAM	1	1	17.51			18.5 2.5
100	256QAM	1	1	15.11			16.5 4.5
Channel				649668	650000	650334	
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	19.74	19.70	19.76	21.0 0.0
Channel				649334	650000	650668	
Frequency (MHz)				3740.91	3750	3760.02	
80	QPSK	1	1	19.69	19.75	19.73	21.0 0.0
Channel				649000	650000	651000	
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	19.71	19.69	19.70	21.0 0.0
Channel				648668	650000	651334	
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	19.70	19.76	19.74	21.0 0.0
Channel				648334	650000	651668	
Frequency (MHz)				3725.91	3750	3775.02	
50	QPSK	1	1	19.77	19.71	19.79	21.0 0.0
Channel				648000	650000	652000	
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	19.72	19.77	19.79	21.0 0.0
Channel				647668	650000	652334	
Frequency (MHz)				3715.02	3750	3795.01	
30	QPSK	1	1	19.74	19.73	19.75	21.0 0.0
Channel				647334	650000	652668	
Frequency (MHz)				3710.91	3750	3790.02	
20	QPSK	1	1	19.78	19.72	19.73	21.0 0.0

Part270 n77 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.37	19.42	19.44	21.0	0.0
100	Pi2 BPSK	1	137	19.20	19.29	19.28		
100	Pi2 BPSK	1	271	19.17	19.29	19.15		
100	Pi2 BPSK	135	0	18.55	18.56	18.58	20.5	0.5
100	Pi2 BPSK	135	69	19.26	19.30	19.24	21.0	0.0
100	Pi2 BPSK	135	138	18.62	18.54	18.61	20.5	0.5
100	Pi2 BPSK	270	0	18.56	18.62	18.65	21.0	0.0
100	QPSK	1	1	19.40	19.49	19.42		
100	QPSK	1	137	19.41	19.47	19.27		
100	QPSK	1	271	19.20	19.35	19.29		
100	QPSK	135	0	18.42	18.55	18.35	20.0	1.0
100	QPSK	135	69	19.28	19.44	19.39	21.0	0.0
100	QPSK	135	138	18.28	18.42	18.35	20.0	1.0
100	QPSK	270	0	18.41	18.45	18.44	20.0	1.0
100	16QAM	1	1	18.09	18.17	18.07		
100	64QAM	1	1	18.58	18.70	18.66		
100	256QAM	1	1	14.76	14.91	14.74	16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.36	19.36	19.35	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.27	19.35	19.34	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.27	19.42	19.39	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.31	19.40	19.39	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.31	19.37	19.31	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.34	19.43	19.37	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.47	19.44	19.35	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.34	19.36	19.30	21.0	0.0

Part270 n77 PC2 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	19.96	20.18	20.06	21.5	0.0
100	Pi2 BPSK	1	137	19.98	20.25	20.12		
100	Pi2 BPSK	1	271	20.07	20.07	20.09		
100	Pi2 BPSK	135	0	19.97	20.11	20.00	21.5	0.0
100	Pi2 BPSK	135	69	19.97	20.16	19.85	21.5	0.0
100	Pi2 BPSK	135	138	19.96	20.00	20.15	21.5	0.0
100	Pi2 BPSK	270	0	20.11	20.24	20.10	21.5	0.0
100	QPSK	1	1	20.31	20.48	20.40		
100	QPSK	1	137	19.96	20.11	20.07		
100	QPSK	1	271	19.97	20.27	19.86		
100	QPSK	135	0	20.04	20.14	19.97	21.5	0.0
100	QPSK	135	69	20.01	20.44	19.99	21.5	0.0
100	QPSK	135	138	20.08	20.25	20.15	21.5	0.0
100	QPSK	270	0	20.06	20.37	19.99	21.5	0.0
100	16QAM	1	1	20.01	20.05	20.09		
100	64QAM	1	1	19.97	20.18	20.09		
100	256QAM	1	1	16.30	16.41	16.48	18.5	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.23	20.37	20.34	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.29	20.39	20.31	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.30	20.42	20.33	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.28	20.46	20.28	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.22	20.37	20.32	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.25	20.44	20.38	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.27	20.41	20.35	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.23	20.42	20.31	21.5	0.0

Part270 n78 Ant7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1		19.49		21.0	0.0
100	Pi2 BPSK	1	137		19.41			
100	Pi2 BPSK	1	271		19.48			
100	Pi2 BPSK	135	0		18.55		20.5	0.5
100	Pi2 BPSK	135	69		19.43		21.0	0.0
100	Pi2 BPSK	135	138		19.02		20.5	0.5
100	Pi2 BPSK	270	0		19.06		21.0	0.0
100	QPSK	1	1		19.60			
100	QPSK	1	137		19.58			
100	QPSK	1	271		19.58			
100	QPSK	135	0		18.71		20.0	1.0
100	QPSK	135	69		19.56		21.0	0.0
100	QPSK	135	138		18.50		20.0	1.0
100	QPSK	270	0		18.55		20.0	1.0
100	16QAM	1	1		18.62		20.0	1.0
100	64QAM	1	1		18.90		18.5	2.5
100	256QAM	1	1		13.31		16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.52	19.49	19.48	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.42	19.39	19.48	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.47	19.50	19.48	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.50	19.44	19.42	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.44	19.39	19.45	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.50	19.42	19.46	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.43	19.43	19.38	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.49	19.39	19.38	21.0	0.0

Part270 n78 PC2 Ant7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PQ2 BPSK	1	1		19.58			
100	PQ2 BPSK	1	137		19.52		21.5	0.0
100	PQ2 BPSK	1	271		19.64			
100	PQ2 BPSK	135	0		19.53		21.5	0.0
100	PQ2 BPSK	135	69		19.58		21.5	0.0
100	PQ2 BPSK	135	138		19.67			
100	PQ2 BPSK	270	0		19.73		21.5	0.0
100	QPSK	1	1		19.74			
100	QPSK	1	137		19.58		21.5	0.0
100	QPSK	1	271		19.64			
100	QPSK	135	0		19.55		21.5	0.0
100	QPSK	135	69		19.73		21.5	0.0
100	QPSK	135	138		19.64		21.5	0.0
100	QPSK	270	0		19.65			
100	16QAM	1	1		19.54		21.5	0.0
100	64QAM	1	1		19.71		21.5	0.0
100	256QAM	1	1		19.60		19.5	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.58	19.54	19.55	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.56	19.71	19.64	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.55	19.68	19.54	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.62	19.67	19.55	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.61	19.66	19.55	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.54	19.62	19.54	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3795.01		
30	QPSK	1	1	19.53	19.62	19.67	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.54	19.62	19.58	21.5	0.0



Art 8				Full power&Head for Standalone&Body-worn for Standalone		Head for Simultaneous&Body-worn for Simultaneous&Hotspot for Simultaneous		
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	19.23	20.50	14.72	16.00	100.00
		6	2437	18.92	20.50	14.46	16.00	
		11	2462	19.21	20.50	14.66	16.00	
	802.11g 6Mbps	1	2412	18.09	19.50	Not Required	16.00	98.28
		6	2437	18.94	20.50		16.00	
		10	2457	17.31	19.00		16.00	
		11	2462	15.36	17.00		16.00	
	802.11n-HT20 MCS0	1	2412	17.39	19.00	Not Required	16.00	98.16
		6	2437	18.76	20.50		16.00	
		10	2457	17.93	19.50		16.00	
		11	2462	14.70	16.00		16.00	
	802.11n-HT40 MCS0	5	2422	14.44	16.00	Not Required	16.00	94.93
		6	2437	15.46	17.00		16.00	
		9	2452	12.88	14.50		14.50	

Art 8			Full power&Extremity for Standalone			Head for Standalone&Extremity for Simultaneous		Head for Simultaneous		Body-worn for Standalone		Body-worn for Simultaneous&Hotspot for 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	Duty Cycle %
5.0GHz WLAN	802.11a 6Mbps	36	5180	18.06	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	98.26
		40	5200	17.87	19.50		15.00		13.00		14.00		11.00		
		44	5220	17.86	19.50		15.00		13.00		14.00		11.00		
		48	5240	17.47	19.00		15.00		13.00		14.00		11.00		
	802.11n-HT20 MCS0	36	5180	17.85	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	98.14
		40	5200	17.78	19.50		15.00		13.00		14.00		11.00		
		44	5220	17.77	19.50		15.00		13.00		14.00		11.00		
		48	5240	17.33	19.00		15.00		13.00		14.00		11.00		
	802.11n-HT40 MCS0	36	5180	16.24	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	96.30
		46	5230	16.19	19.50		15.00		13.00		14.00		11.00		
	802.11ac-VHT20 MCS0	36	5180	17.92	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	98.15
		40	5200	17.82	19.50		15.00		13.00		14.00		11.00		
		44	5220	17.78	19.50		15.00		13.00		14.00		11.00		
		48	5240	17.49	19.00		15.00		13.00		14.00		11.00		
	802.11ac-VHT40 MCS0	36	5190	17.35	19.00	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	96.30
		46	5230	17.17	18.50		15.00		13.00		14.00		11.00		
	802.11ac-VHT80 MCS0	42	5210	16.15	17.00	13.41	15.00	11.51	13.00	12.77	14.00	9.85	11.00	92.17	

Art 8		Full power&Extremity for Standalone				Head for Standalone		Head for Simultaneous		Body-worn for Standalone		Body-worn for Simultaneous		Extremity for 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 %
5.0GHz WLAN	802.11a 6Mbps	52	5280	17.84	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	16.00	16.00	98.26
		56	5280	17.68	19.00		15.00		13.00		14.00		11.00				
		60	5300	17.71	19.00		15.00		13.00		14.00		11.00		16.00		
		64	5320	17.78	19.50		15.00		13.00		14.00		11.00		16.00		
	802.11nHT20 MCS0	52	5280	17.88	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	16.00	16.00	98.14
		56	5280	17.73	19.00		15.00		13.00		14.00		11.00		16.00		
		60	5300	17.60	19.00		15.00		13.00		14.00		11.00		16.00		
		64	5320	17.58	19.50		15.00		13.00		14.00		11.00		16.00		
	802.11nHT40 MCS0	54	5270	17.89	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	16.00	16.00	96.30
		62	5310	16.60	18.00		15.00		13.00		14.00		11.00		16.00		
	802.11ac-VHT20 MCS0	52	5280	17.89	19.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	16.00	16.00	98.15
		56	5280	17.75	19.50		15.00		13.00		14.00		11.00		16.00		
		60	5300	17.62	19.00		15.00		13.00		14.00		11.00		16.00		
		64	5320	17.59	19.00		15.00		13.00		14.00		11.00		16.00		
	802.11ac-VHT40 MCS0	54	5270	16.88	18.50	Not Required	15.00	Not Required	13.00	Not Required	14.00	Not Required	11.00	11.00	16.00	16.00	96.30
		62	5310	16.57	18.00		15.00		13.00		14.00		11.00		16.00		
	802.11ac-VHT80 MCS0	58	5290	15.51	17.00	13.28	15.00	11.36	13.00	12.51	14.00	9.56	11.00	14.28	16.00	92.17	

	Art 8		Full power&Extremity for Standalone		Head for Standalone		Head for Simultaneous		Body-worn for Standalone		Body-worn for Simultaneous		Extremity for Simultaneous		Duty Cycle %	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)		Tune-Up Limit
5.0GHz WLAN	802.11a 6Mbps	100	5500	17.99	19.50	Not Required	16.00	Not Required	14.00	Not Required	15.00	Not Required	11.50	11.50	98.26	
		116	5580	17.73	19.00		16.00		14.00		15.00		11.50			17.50
		124	5620	17.54	19.00		16.00		14.00		15.00		11.50			17.50
		132	5660	17.93	19.50		16.00		14.00		15.00		11.50			17.50
		140	5700	18.20	19.50		16.00		14.00		15.00		11.50			17.50
		144	5720	18.18	19.50		16.00		14.00		15.00		11.50			17.50
	802.11n-HT20 MCS0	100	5500	17.85	19.50	Not Required	16.00	Not Required	14.00	Not Required	15.00	Not Required	11.50	11.50	98.14	
		116	5580	17.53	19.00		16.00		14.00		15.00		11.50			17.50
		124	5620	17.51	19.00		16.00		14.00		15.00		11.50			17.50
		132	5660	17.72	19.00		16.00		14.00		15.00		11.50			17.50
		140	5700	17.99	19.50		16.00		14.00		15.00		11.50			17.50
		144	5720	17.94	19.50		16.00		14.00		15.00		11.50			17.50
	802.11n-HT40 MCS0	100	5500	15.89	17.50	Not Required	16.00	Not Required	14.00	Not Required	15.00	Not Required	11.50	11.50	96.30	
		110	5550	17.70	19.00		16.00		14.00		15.00		11.50			17.50
		126	5630	17.59	19.00		16.00		14.00		15.00		11.50			17.50
		134	5670	17.81	19.50		16.00		14.00		15.00		11.50			17.50
		142	5710	16.28	19.50		16.00		14.00		15.00		11.50			17.50
		150	5750	17.90	19.50		16.00		14.00		15.00		11.50			17.50
	802.11ac-VHT20 MCS0	100	5500	17.90	19.50	Not Required	16.00	Not Required	14.00	Not Required	15.00	Not Required	11.50	11.50	98.15	
		116	5580	17.56	19.00		16.00		14.00		15.00		11.50			17.50
		124	5620	17.53	19.00		16.00		14.00		15.00		11.50			17.50
		132	5660	17.73	19.00		16.00		14.00		15.00		11.50			17.50
		140	5700	18.01	19.50		16.00		14.00		15.00		11.50			17.50
		144	5720	18.00	19.50		16.00		14.00		15.00		11.50			17.50
802.11ac-VHT40 MCS0	100	5500	15.89	17.50	Not Required	16.00	Not Required	14.00	Not Required	15.00	Not Required	11.50	11.50	96.30		
	110	5550	16.80	18.50		16.00		14.00		15.00		11.50			17.50	
	126	5630	16.62	18.00		16.00		14.00		15.00		11.50			17.50	
	134	5670	16.81	18.50		16.00		14.00		15.00		11.50			17.50	
	142	5710	17.34	19.00		16.00		14.00		15.00		11.50			17.50	
	146	5530	13.92	15.50		14.12		15.50		12.09		14.00			13.33	15.00
802.11ac-VHT80 MCS0	122	5610	15.20	16.50	14.00	16.00	12.05	14.00	13.41	15.00	9.52	11.00	14.71	16.50	92.17	
	138	5690	15.90	17.50	14.20	16.00	12.61	14.00	13.45	15.00	9.97	11.50	15.53	17.50		