

Full & Default Power Mode_Main PA

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	121.2	121.4	141.3		121.2	121.4	141.3	
GSM 1 Tx slot	32.28	32.29	32.28	33.50	23.26	23.29	23.28	24.50
GPRS 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slots	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slots	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slots	28.63	28.87	28.73	30.00	25.63	25.87	25.73	27.00
EDGE 1 Tx slot	26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 2 Tx slots	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slots	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slots	20.53	20.58	20.54	22.00	17.83	17.88	17.94	19.00

TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1850	1909.8		1850.2	1850	1909.8	
GSM 1 Tx slot	29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot	29.31	29.38	29.38	30.50	20.31	20.38	20.38	21.50
GPRS 2 Tx slots	28.46	28.47	28.36	28.50	22.46	22.47	22.36	23.50
GPRS 3 Tx slots	28.74	28.73	28.67	28.00	22.48	22.47	22.41	23.74
GPRS 4 Tx slots	25.80	25.81	25.59	27.00	22.60	22.61	22.59	24.00
EDGE 1 Tx slot	25.84	25.90	25.81	27.00	18.84	18.90	18.81	18.00
EDGE 2 Tx slots	22.85	22.88	22.80	24.00	16.85	16.88	16.80	16.00
EDGE 3 Tx slots	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slots	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band	WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
	9262	9400	9638		1312	1413	1513		4132	4182	4233	
Tx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1527.4	1540	1507.4		1712.4	1727.6	1727.6		428.4	437.4	440.6	
3GPP Rel 99 AMR 12.2kbps	22.08	22.94	22.83	24.00	23.83	23.89	23.80	25.00	24.33	24.46	24.35	25.50
3GPP Rel 99 RMC 12.2kbps	22.91	22.98	22.93	24.00	23.91	23.90	23.92	25.00	24.48	24.50	24.44	25.50
3GPP Rel 6 HSDPA Subtest-1	21.92	21.96	21.87	23.00	22.91	22.91	22.84	24.00	23.52	23.54	23.46	24.50
3GPP Rel 6 HSDPA Subtest-2	21.88	21.96	21.97	23.00	22.93	22.93	22.94	24.00	23.50	23.47	23.43	24.50
3GPP Rel 6 HSDPA Subtest-3	21.36	21.43	21.47	22.50	22.38	22.45	22.38	23.50	23.94	23.91	22.80	24.00
3GPP Rel 6 HSDPA Subtest-4	21.37	21.53	21.43	22.50	22.48	22.47	22.40	23.50	23.01	22.98	22.91	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	21.89	22.04	21.88	23.00	22.89	23.02	22.91	24.00	23.46	23.56	23.41	24.50
3GPP Rel 6 DC-HSDPA Subtest-2	21.90	22.01	21.94	23.00	22.84	22.98	22.96	24.00	23.47	23.53	23.48	24.50
3GPP Rel 6 DC-HSDPA Subtest-3	21.38	21.44	21.45	22.50	22.40	22.51	22.45	23.50	23.01	23.04	22.94	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	21.46	21.48	21.45	22.50	22.42	22.41	22.46	23.50	23.01	23.01	22.97	24.00
3GPP Rel 6 HSUPA Subtest-1	21.87	22.02	21.99	23.00	22.95	22.98	22.95	24.00	23.49	23.52	23.42	24.50
3GPP Rel 6 HSUPA Subtest-2	19.98	19.99	19.98	21.00	20.98	20.95	20.94	22.00	21.48	21.50	21.41	22.50
3GPP Rel 6 HSUPA Subtest-3	20.96	21.03	20.94	22.00	21.90	21.93	21.89	23.00	22.51	22.48	22.38	23.50
3GPP Rel 6 HSUPA Subtest-4	19.86	19.93	19.88	21.00	20.88	20.99	20.91	22.00	21.46	21.51	21.45	22.50
3GPP Rel 6 HSUPA Subtest-5	21.91	22.00	21.96	23.00	22.92	22.98	22.95	24.00	23.45	23.49	23.49	24.50
3GPP Rel 7 HSPA+ (HSPA-M) Subtest-1	19.38	19.46	19.46	20.50	20.38	20.42	20.36	21.50	20.96	21.01	20.97	22.00

Band 2 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.85	22.85	22.85				
20	QPSK	1	46	22.83	22.92	22.84		24	0	
20	QPSK	1	99	22.85	22.85	22.85				
20	QPSK	50	0	21.83	22.00	21.97				
20	QPSK	50	24	21.63	21.98	21.80		23	1	
20	QPSK	50	50	21.63	21.99	21.84				
20	QPSK	100	0	21.52	21.98	21.89				
20	16QAM	1	49	21.84	21.94	21.87				
20	16QAM	1	99	21.80	21.89	21.77				
20	16QAM	50	24	20.95	21.01	21.00				
20	16QAM	50	50	20.87	21.00	20.98		22	2	
20	16QAM	100	0	20.78	21.04	20.90				
20	16QAM	1	0	20.97	20.99	20.98				
20	16QAM	1	49	20.90	20.96	20.90				
20	16QAM	1	99	20.86	20.84	20.82				
20	16QAM	50	24	19.80	19.85	19.83		21	3	
20	16QAM	50	50	19.91	19.95	19.95				
20	256QAM	1	0	17.97	18.01	17.97				
20	256QAM	1	49	17.90	17.92	17.90		19	5	
20	256QAM	1	99	17.82	18.00	17.82				
20	256QAM	50	0	17.95	17.99	17.94				
20	256QAM	50	24	17.87	17.99	17.88		19	5	
20	256QAM	50	50	17.80	17.93	17.85				
20	256QAM	100	0	17.85	17.85	17.85		Turn-up time (sec) <td>MPE (dB)</td> <td></td>	MPE (dB)	
				17.85	17.85	17.85				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.82	22.83	22.88				
15	QPSK	1	46	22.82	22.82	22.77		24	0	
15	QPSK	1	94	22.84	22.82	22.80				
15	QPSK	50	0	21.82	21.95	21.88				
15	QPSK	50	24	21.74	21.99	21.84		23	1	
15	QPSK	50	50	21.77	21.88	21.78				
15	QPSK	75	0	21.67	21.84	21.78				
15	16QAM	1	37	21.73	21.83	21.76		23	1	
15	16QAM	1	91	21.79	21.81	21.77				
15	16QAM	36	0	20.84	20.88	20.96				
15	16QAM	36	20	20.77	20.87	20.75		22	2	
15	16QAM	36	50	20.79	20.87	20.82				
15	16QAM	75	0	20.76	20.87	20.82		22	2	
15	16QAM	1	0	20.70	20.86	20.85				
15	16QAM	36	0	20.82	20.82	20.82				
15	16QAM	1	24	20.77	20.82	20.74		21	3	
15	16QAM	36	0	19.85	19.91	19.96				
15	16QAM	36	20	19.76	19.84	19.74				
15	16QAM	36	50	19.87	19.95	19.75				
15	16QAM	75	0	19.77	19.91	19.82				
15	256QAM	1	0	17.85	17.85	17.85				
15	256QAM	1	37	17.85	17.82	17.81		19	5	
15	256QAM	1	74	17.88	17.88	17.75				
15	256QAM	36	0	17.86	17.86	17.86				
15	256QAM	36	20	17.73	17.80	17.83		19	5	
15	256QAM	36	50	17.68	17.85	17.78				
15	256QAM	75	0	17.78	17.83	17.72				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.84	22.84	22.81				
10	QPSK	1	25	22.74	22.80	22.81		24	0	
10	QPSK	1	49	22.82	22.82	22.73				
10	QPSK	50	0	21.82	21.87	21.87				
10	QPSK	25	12	21.71	21.84	21.80		23	1	
10	QPSK	25	25	21.70	21.86	21.72				
10	QPSK	50	0	21.69	21.81	21.75				
10	16QAM	1	0	21.81	21.89	21.83		23	1	
10	16QAM	1	25	21.72	21.82	21.81				
10	16QAM	1	49	21.76	21.81	21.78				
10	16QAM	25	0	20.85	20.96	20.95				
10	16QAM	25	12	20.74	20.92	20.85		22	2	
10	16QAM	25	25	20.74	21.00	20.71				
10	16QAM	50	0	20.70	20.87	20.78				
10	16QAM	1	0	20.70	20.89	20.77		22	2	
10	16QAM	1	25	20.88	20.75	20.71				
10	16QAM	1	49	20.72	20.78	20.70				
10	16QAM	25	0	19.93	19.91	19.90				
10	16QAM	25	12	19.72	19.83	19.80		21	3	
10	16QAM	25	25	19.76	19.96	19.74				
10	16QAM	50	0	19.82	19.90	19.86				
10	256QAM	1	0	17.85	17.85	17.85				
10	256QAM	1	25	17.72	17.78	17.75		Turn-up time (sec) <td>MPE (dB)</td> <td></td>	MPE (dB)	
				17.72	17.78	17.75				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.91	22.95	22.81				
5	QPSK	1	12	22.78	22.84	22.73		24	0	
5	QPSK	1	24	22.86	22.88	22.68				
5	QPSK	12	0	21.84	21.97	21.87				
5	QPSK	12	7	21.75	21.92	21.80		23	1	
5	QPSK	12	13	21.73	21.92	21.80				
5	16QAM	1	0	21.81	21.86	21.79				
5	16QAM	1	12	21.78	21.80	21.72				
5	16QAM	1	24	21.73	21.83	21.68				
5	16QAM	12	0	20.83	20.90	20.92		22	2	
5	16QAM	12	7	20.85	20.96	20.83				
5	16QAM	12	13	20.86	20.97	20.87				
5	16QAM	25	0	20.80	20.91	20.80		22	2	
5	16QAM	1	0	20.70	20.87	20.88				
5	16QAM	1	12	20.70	20.82	20.77				
5	16QAM	1	24	20.74	20.71	20.80				
5	16QAM	12	0	19.94	19.93	19.90				
5	16QAM	12	7	19.75	19.91	19.80		21	3	
5	16QAM	12	13	19.74	19.90	19.78				
5	16QAM	25	0	19.86	19.94	19.88				
5	256QAM	1	0	17.60	17.61	17.59				
5	256QAM	1	12	17.70	17.84	17.72		19	5	
5	256QAM	1	24	17.67	17.84	17.73				
5	256QAM	12	0	17.67	17.69	17.61				
5	256QAM	12	7	17.73	17.87	17.80		19	5	
5	256QAM	12	13	17.76	17.80	17.73				
5	256QAM	25	0	17.80	17.77	17.65				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.88	22.88	22.78				
3	QPSK	1	8	22.72	22.88	22.72		24	0	
3	QPSK	1	14	22.76	22.88	22.68				
3	QPSK	8	0	21.80	21.96	21.80				
3	QPSK	8	4	21.73	21.85	21.82		23	1	
3	QPSK	8	7	21.70	21.85	21.74				
3	QPSK	15	0	21.66	21.89	21.79				
3	16QAM	1	0	21.70	21.86	21.80		23	1	
3	16QAM	1	8	21.72	21.83	21.72				
3	16QAM	1	14	21.66	21.85	21.74				
3	16QAM	8	0	20.90	20.90	20.98		22	2	
3	16QAM	8	4	20.74	20.97	20.83				
3	16QAM	8	7	20.66	20.91	20.87				
3	16QAM	15	0	20.74	20.88	20.81				
3	16QAM	8	0	20.71	20.91	20.86				
3	16QAM	8	4	20.86	20.73	20.87		22	2	
3	16QAM	1	14	20.76	20.71	20.71				
3	16QAM	8	0	19.87	19.94	19.77				
3	16QAM	8	4	19.89	19.84	19.77		21	3	
3	16QAM	8	7	19.76	19.96	19.75				
3	256QAM	1	0	17.68	17.68	17.68				
3	256QAM	1	8	17.68	17.77	17.83		19	5	
3	256QAM	1	14	17.74	17.78	17.74				
3	256QAM	8	0	17.64	17.68	17.67				
3	256QAM	8	4	17.68	17.85	17.82				
3	256QAM	15	0	17.80	17.79	17.67		Turn-up time (sec) <td>MPE (dB)</td> <td></td>	MPE (dB)	
				17.80	17.79	17.67				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.89	22.88	22.85				
1.4	QPSK	1	8	22.76	22.86	22.76		24	0	
1.4	QPSK	1	14	22.80	22.91	22.71				
1.4	QPSK	3	0	22.83	22.90	22.72				
1.4	QPSK	3	3	22.80	22.88	22.70		23	1	
1.4	QPSK	3	6	22.68	22.84	22.74				
1.4	QPSK	3	9	22.68	22.84	22.74				
1.4	QPSK	6	0	21.79	21.98	21.87		23	1	
1.4	QPSK	6	3	21.63	21.91	21.81				
1.4	QPSK	6	6	21.72	21.82	21.80		23	1	
1.4	16QAM	1	0	21.67	21.85	21.76				
1.4	16QAM	1	8	21.67	21.83	21.69		23	1	
1.4	16QAM	1	14	21.62	21.86	21.66				
1.4	16QAM	3	0	21.65	21.69	21.74				
1.4	16QAM	3	3	21.60	21.80	21.60		22	2	
1.4	16QAM	3	6	20.75	20.92	20.83				
1.4	16QAM	3	9	20.69	20.77	20.74				
1.4	16QAM	6	0	20.92	20.82	20.79		22	2	
1.4	16QAM	6	3	20.75	20.82	20.81				
1.4	16QAM	6	6	20.88	20.84	20.75				
1.4	16QAM	6	9	20.78	20.86	20.74		21	3	
1.4	16QAM	1								

Band 7 Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.41	23.47	23.39	24.5	0				
20	QPSK	1	40	23.38	23.43	23.31						
20	QPSK	1	80	23.36	23.41	23.36						
20	QPSK	50	0	22.41	22.52	22.38	23.5	1				
20	QPSK	50	24	22.40	22.37	22.27						
20	QPSK	50	48	22.34	22.37	22.26						
20	QPSK	100	0	22.44	22.49	22.36	23.5	1				
20	16QAM	1	0	22.41	22.44	22.38						
20	16QAM	1	40	22.41	22.43	22.29						
20	16QAM	1	90	22.35	22.46	22.32	22.5	2				
20	16QAM	50	0	21.45	21.51	21.38						
20	16QAM	50	24	21.44	21.41	21.26						
20	16QAM	50	50	21.45	21.40	21.21	21.5	3				
20	16QAM	100	0	21.45	21.51	21.31						
20	64QAM	1	60	21.38	21.47	21.35						
20	64QAM	1	90	21.30	21.43	21.33	22.5	2				
20	64QAM	50	0	20.36	20.54	20.45						
20	64QAM	50	24	20.38	20.53	20.29						
20	64QAM	50	50	20.37	20.41	20.22	21.5	3				
20	64QAM	100	0	20.44	20.44	20.41						
20	256QAM	1	0	18.41	18.53	18.35						
20	256QAM	1	40	18.43	18.32	18.28	19.5	5				
20	256QAM	1	90	18.28	18.40	18.26						
20	256QAM	50	0	18.47	18.52	18.32						
20	256QAM	50	24	18.42	18.48	18.34	19.5	5				
20	256QAM	50	50	18.36	18.40	18.29						
20	256QAM	100	0	18.32	18.50	18.27						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.33	23.34	23.26	24.5	0				
15	QPSK	1	37	23.30	23.34	23.28						
15	QPSK	1	74	23.24	23.35	23.14						
15	QPSK	36	0	22.33	22.45	22.33	23.5	1				
15	QPSK	36	36	22.31	22.27	22.21						
15	QPSK	36	72	22.29	22.30	22.24						
15	QPSK	72	0	22.30	22.42	22.24	23.5	1				
15	16QAM	1	0	22.27	22.39	22.30						
15	16QAM	1	37	22.28	22.40	22.17						
15	16QAM	1	74	22.32	22.34	22.21	22.5	2				
15	16QAM	36	0	21.33	21.44	21.31						
15	16QAM	36	20	21.40	21.37	21.19						
15	16QAM	72	0	21.41	21.40	21.19	22.5	2				
15	64QAM	1	0	21.36	21.36	21.22						
15	64QAM	1	37	21.33	21.36	21.23						
15	64QAM	1	74	21.33	21.35	21.22	21.5	3				
15	64QAM	36	0	20.28	20.40	20.31						
15	64QAM	36	36	20.29	20.23	20.12						
15	64QAM	36	72	20.32	20.34	20.12	19.5	5				
15	64QAM	72	0	20.35	20.42	20.39						
15	256QAM	1	0	18.30	18.36	18.26						
15	256QAM	1	37	18.30	18.19	18.17	19.5	5				
15	256QAM	1	74	18.10	18.31	18.19						
15	256QAM	36	0	18.34	18.46	18.26						
15	256QAM	36	20	18.28	18.37	18.25	19.5	5				
15	256QAM	36	36	18.31	18.32	18.23						
15	256QAM	72	0	18.30	18.41	18.18						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.36	23.42	23.36	24.5	0				
10	QPSK	1	36	23.23	23.40	23.28						
10	QPSK	1	40	23.27	23.36	23.16						
10	QPSK	12	0	22.29	22.44	22.28	23.5	1				
10	QPSK	25	12	22.27	22.28	22.13						
10	QPSK	25	25	22.28	22.26	22.19						
10	QPSK	25	0	22.34	22.41	22.25	23.5	1				
10	16QAM	1	0	22.34	22.41	22.25						
10	16QAM	1	25	22.29	22.30	22.18						
10	16QAM	1	40	21.33	21.37	21.18	22.5	2				
10	16QAM	25	0	21.33	21.43	21.34						
10	16QAM	25	12	21.36	21.29	21.22						
10	16QAM	50	0	21.36	21.35	21.15	21.5	3				
10	16QAM	50	0	21.34	21.45	21.28						
10	64QAM	1	0	21.39	21.36	21.36						
10	64QAM	1	36	21.32	21.37	21.24	22.5	2				
10	64QAM	1	40	21.23	21.30	21.29						
10	64QAM	25	0	20.31	20.41	20.30						
10	64QAM	25	10	20.26	20.26	20.24	21.5	3				
10	64QAM	25	25	20.25	20.36	20.08						
10	64QAM	50	0	20.37	20.38	20.35						
10	256QAM	1	0	18.30	18.44	18.20	19.5	5				
10	256QAM	1	25	18.36	18.30	18.21						
10	256QAM	1	40	18.21	18.29	18.13						
10	256QAM	25	0	18.25	18.50	18.17	19.5	5				
10	256QAM	25	12	18.37	18.44	18.26						
10	256QAM	25	25	18.25	18.35	18.21						
10	256QAM	50	0	18.20	18.37	18.18	19.5	5				
10	256QAM	12	7	18.33	18.37	18.21						
10	256QAM	12	10	18.29	18.34	18.24						
5	QPSK	1	0	23.36	23.42	23.36	24.5	0				
5	QPSK	1	12	23.23	23.32	23.29						
5	QPSK	1	24	23.33	23.27	23.13						
5	QPSK	12	0	22.29	22.44	22.28	23.5	1				
5	QPSK	12	7	22.33	22.27	22.15						
5	QPSK	12	13	22.23	22.30	22.24						
5	QPSK	24	0	22.31	22.44	22.27	23.5	1				
5	16QAM	1	0	22.33	22.35	22.25						
5	16QAM	1	12	22.36	22.32	22.26						
5	16QAM	1	24	22.30	22.44	22.27	22.5	2				
5	16QAM	12	0	21.30	21.38	21.32						
5	16QAM	12	7	21.33	21.30	21.23						
5	16QAM	12	11	21.18	21.32	21.11	21.5	3				
5	16QAM	25	0	21.40	21.41	21.22						
5	64QAM	1	0	21.36	21.25	21.37	22.5	2				
5	64QAM	1	10	21.33	21.43	21.21						
5	64QAM	1	24	21.25	21.29	21.24						
5	64QAM	12	0	20.29	20.51	20.38	21.5	3				
5	64QAM	12	6	20.30	20.37	20.17						
5	64QAM	12	13	20.28	20.38	20.17						
5	64QAM	25	0	20.34	20.37	20.30	19.5	5				
5	64QAM	25	6	20.35	20.34	20.17						
5	64QAM	25	13	20.32	20.34	20.17						
5	256QAM	1	0	18.30	18.27	18.16	19.5	5				
5	256QAM	1	24	18.20	18.27	18.15						
5	256QAM	1	36	18.22	18.38	18.16						
5	256QAM	12	7	18.33	18.37	18.21	19.5	5				
5	256QAM	12	10	18.29	18.34	18.24						
5	256QAM	25	0	18.23	18.38	18.17						

Band 17 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.36	24.37	24.38			
15	QPSK	25	0	24.20	24.35	24.15	25.5	0	
10	QPSK	1	49	24.22	24.23	24.18			
10	QPSK	25	0	23.34	23.35	23.36			
15	QPSK	25	12	23.28	23.34	23.17	24.5	1	
10	QPSK	25	25	23.26	23.25	23.07			
10	QPSK	50	0	23.29	23.34	23.36			
15	HQAM	1	0	23.25	23.32	23.27			
10	HQAM	1	25	23.26	23.30	23.18	24.5	1	
10	HQAM	1	49	23.24	23.22	23.12			
15	HQAM	25	0	22.34	22.28	22.30			
10	HQAM	25	12	22.28	22.30	22.18	23.5	2	
10	HQAM	25	25	22.26	22.31	22.17			
10	HQAM	50	0	22.16	22.30	22.22			
10	HQAM	1	0	22.33	22.36	22.22			
10	HQAM	1	25	22.26	22.29	22.23	23.5	2	
10	HQAM	1	49	22.24	22.14	22.05			
10	HQAM	25	0	21.27	21.45	21.31			
10	HQAM	25	12	21.23	21.34	21.21	22.5	3	
10	HQAM	25	25	21.24	21.28	21.13			
10	HQAM	50	0	21.19	21.33	21.27			
10	HQAM	1	0	19.30	19.33	19.30			
10	HQAM	1	25	19.25	19.36	19.18	20.5	5	
10	HQAM	1	49	19.30	19.30	19.17			
10	HQAM	25	0	19.27	19.30	19.28			
10	HQAM	25	12	19.30	19.36	19.24	20.5	5	
10	HQAM	25	25	19.35	19.35	19.12			
10	HQAM	50	0	19.23	19.27	19.23			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.30	24.23	24.20			
15	QPSK	1	12	24.26	24.29	24.18	25.5	0	
10	QPSK	1	24	24.20	24.21	24.08			
10	QPSK	12	0	23.20	23.33	23.20			
15	QPSK	12	7	23.23	23.24	23.05	24.5	1	
10	QPSK	12	13	23.18	23.19	22.84			
10	QPSK	25	0	23.25	23.25	23.07			
15	HQAM	1	0	23.21	23.28	23.18			
10	HQAM	1	12	23.20	23.17	23.10	24.5	1	
10	HQAM	1	24	23.14	23.20	23.04			
10	HQAM	12	0	22.24	22.24	22.11			
10	HQAM	12	7	22.19	22.17	22.10	23.5	2	
10	HQAM	12	13	22.24	22.21	22.15			
10	HQAM	25	0	22.09	22.38	22.11			
5	HQAM	1	0	22.21	22.28	22.12	23.5	2	
5	HQAM	1	24	22.15	22.10	21.95			
5	HQAM	12	0	21.24	21.36	21.20			
5	HQAM	12	7	21.16	21.32	21.10	22.5	3	
5	HQAM	12	13	21.10	21.14	21.03			
5	HQAM	25	0	21.09	21.25	21.17			
5	HQAM	1	0	19.30	19.36	19.20			
5	HQAM	1	12	19.23	19.28	19.05	20.5	5	
5	HQAM	1	24	19.21	19.18	18.96			
5	HQAM	12	0	19.16	19.16	18.92			
5	HQAM	12	7	19.19	19.34	19.10	20.5	5	
5	HQAM	12	13	19.32	19.29	18.94			
5	HQAM	25	0	19.17	19.21	19.17			

Band 26 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.38	24.41	24.39			
15	QPSK	1	37	24.24	24.35	24.30	25.5	0	
15	QPSK	1	74	24.30	24.35	24.22			
15	QPSK	36	0	23.41	23.48	23.36			
15	QPSK	36	12	23.20	23.34	23.36	24.5	1	
15	QPSK	36	39	23.27	23.39	23.26			
15	QPSK	75	0	23.41	23.34	23.36			
15	HQAM	1	0	23.38	23.42	23.35			
15	HQAM	1	37	23.31	23.28	23.35	24.5	1	
15	HQAM	1	74	23.25	23.32	23.28			
15	HQAM	36	0	22.38	22.37	22.39			
15	HQAM	36	20	22.26	22.37	22.34	23.5	2	
15	HQAM	36	59	22.52	22.39	22.15			
15	HQAM	36	1	22.27	22.32	22.46			
15	HQAM	1	0	22.39	22.38	22.25	23.5	2	
15	HQAM	1	37	22.27	22.33	22.26			
15	HQAM	1	74	22.39	22.27	22.37	23.5	2	
15	HQAM	36	0	21.39	21.42	21.44			
15	HQAM	36	20	21.19	21.25	21.45	22.5	3	
15	HQAM	36	59	21.20	21.45	21.25			
15	HQAM	75	0	21.35	21.31	21.30			
15	HQAM	1	0	19.39	19.42	19.45			
15	HQAM	1	37	19.24	19.29	19.35	20.5	5	
15	HQAM	1	74	19.26	19.39	19.24			
15	HQAM	36	0	19.33	19.40	19.37			
15	HQAM	36	20	19.37	19.37	19.40	20.5	5	
15	HQAM	36	59	19.46	19.28	19.29			
15	HQAM	75	0	19.23	19.20	19.12			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.24	24.30	24.34			
10	QPSK	1	25	24.12	24.24	24.36	25.5	0	
10	QPSK	1	49	24.23	24.29	24.17			
10	QPSK	25	0	23.31	23.42	23.22			
10	QPSK	25	12	23.17	23.23	23.31	24.5	1	
10	QPSK	25	25	23.14	23.29	23.13			
10	HQAM	1	0	23.35	23.22	23.29			
10	HQAM	1	25	23.26	23.38	23.31	24.5	1	
10	HQAM	1	25	23.24	23.23	23.27			
10	HQAM	1	49	23.27	23.26	23.25			
10	HQAM	25	0	22.32	22.33	22.36			
10	HQAM	25	12	22.18	22.29	22.30	23.5	2	
10	HQAM	25	25	22.26	22.29	22.25			
10	HQAM	50	0	22.18	22.20	22.38			
10	HQAM	1	0	22.35	22.33	22.14	23.5	2	
10	HQAM	1	25	22.32	22.35	22.10			
10	HQAM	1	49	22.23	22.10	22.25			
10	HQAM	25	0	21.30	21.40	21.34	22.5	3	
10	HQAM	25	12	21.16	21.16	21.06			
10	HQAM	25	25	21.15	21.43	21.25			
10	HQAM	50	0	21.22	21.20	21.16			
10	HQAM	1	0	19.33	19.36	19.34			
10	HQAM	1	25	19.20	19.20	19.25	20.5	5	
10	HQAM	1	49	19.18	19.35	19.10			
10	HQAM	25	0	19.36	19.31	19.25			
10	HQAM	25	12	19.25	19.29	19.36	20.5	5	
10	HQAM	25	25	19.32	19.15	19.22			
10	HQAM	50	0	19.22	19.20	19.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.31	24.34	24.31			
5	QPSK	1	12	24.20	24.32	24.35	25.5	0	
5	QPSK	1	24	24.17	24.30	24.12			
5	QPSK	12	0	23.37	23.40	23.32			
5	QPSK	12	7	23.13	23.22	23.30	24.5	1	
5	QPSK	12	13	23.20	23.31	23.12			
5	QPSK	25	0	23.33	23.24	23.31			
5	HQAM	1	0	23.29	23.40	23.25			
5	HQAM	1	12	23.22	23.18	23.21	24.5	1	
5	HQAM	1	24	23.22	23.26	23.25			
5	HQAM	12	0	22.31	22.28	22.29			
5	HQAM	12	7	22.15	22.25	22.22	23.5	2	
5	HQAM	12	13	22.26	22.29	22.25			
5	HQAM	25	0	22.17	22.22	22.38			
5	HQAM	1	0	22.35	22.31	22.19	23.5	2	
5	HQAM	1	12	22.18	22.25	22.10			
5	HQAM	1	24	22.21	22.14	22.25			
5	HQAM	12	0	21.27	21.34	21.38			
5	HQAM	12	7	21.20	21.20	21.26	22.5	3	
5	HQAM	12	13	21.07	21.39	21.26			
5	HQAM	25	0	21.27	21.24	21.20			
5	HQAM	1	0	19.33	19.33	19.35			
5	HQAM	1	12	19.20	19.24	19.22	20.5	5	
5	HQAM	1	24	19.23	19.31	19.25			
5	HQAM	12	0	19.33	19.31	19.25			
5	HQAM	12	7	19.27	19.24	19.34	20.5	5	
5	HQAM	12	13	19.35	19.14	19.23			
5	HQAM	25	0	19.22	19.16	19.14			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.33	24.33	24.33			
3	QPSK	1	8	24.14	24.23	24.28	25.5	0	
3	QPSK	1	14	24.17	24.27	24.14			
3	QPSK	8	0	23.38					
3	QPSK	8	4	23.14	23.33	23.32	24.5	1	
3	QPSK	8	10	23.20	23.34	23.16			
3	HQAM	1	0	23.31	23.31	23.31			
3	HQAM	1	8	23.58	23.17	23.21	24.5	1	
3	HQAM	1	14	23.38	23.14	23.24			
3	HQAM	8	0	22.27	22.27	22.27			
3	HQAM	8	4	22.27	22.27	22.27	23.5	2	
3	HQAM	8	10	22.22	22.31	22.20			
3	HQAM	15	0	21.19	22.22	22.43			
3	HQAM	8	0	21.19	22.22	22.18	23.5	2	
3	HQAM	8	8	22.16	22.15	22.15			
3	HQAM	14	22	22.27	22.24	22.23			
3	HQAM	8	8	21.28	21.28	21.28	22.5	3	
3	HQAM	8	4	21.16	21.18	21.18			
3	HQAM	8	7	21.13	21.30	21.21			
3	HQAM	15	0	19.26	19.34	19.41			
3	HQAM	8	8	19.18	19.18	19.34	20.5	5	
3	HQAM	8	14	19.27	19.27	19.27			
3	HQAM	8	8	19.32	19.32	19.32			
3	HQAM	8	4	19.28	19.24	19.38	20.5	5	
3	HQAM	8	10	19.37	19.26	19.26			
3	HQAM	15	0	19.22	19.19	19.19			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.29	24.33	24.26			
1.4	QPSK	1	3	24.14	24.31	24.20	25.5	0	
1.4	QPSK	1	5	24.22	24.29	24.20			
1.4	QPSK	1	10	24.24	24.24	24.24			
1.4	QPSK	3	0	24.05	24.19	24.10			
1.4	QPSK	3	4	24.17	24.14	24.10	24.5	1	
1.4	QPSK	3	7	24.18	24.21	24.13			
1.4	HQAM	1	0	23.25	23.33	23.30			
1.4	HQAM	1	3	23.19	23.29	23.23	24.5	1	
1.4	HQAM	1	5	23.21	23.21	23.21			
1.4	HQAM	1	10	23.18	23.21	23.21			
1.4	HQAM	3	0	23.32	23.19	23.17			
1.4	HQAM	3	4	23.21	23.23	23.20	23.5	2	
1.4	HQAM	3	7	23.20	23.22	23.12			
1.4	HQAM	1	0	22.21	22.25	22.17			
1.4	HQAM	1	3	22.25	22.18	22.24	23.5	2	
1.4	HQAM	1	5	22.28	22.18	22.22			
1.4	HQAM	1	10	22.24	22.24	22.24			
1.4	HQAM	3	0	21.23	21.27	21.20	22.5	3	
1.4	HQAM	3	4	21.28	21.24	22.09			
1.4	HQAM	3	7	21.27	21.27	21.27	22.5	3	
1.4	HQAM	3	10	21.31	21.29	21.29			
1.4	HQAM	3	13	21.34	19.37	19.25	20.5	5	
1.4	HQAM	3	1	19.25	19.30	19.31			
1.4	HQAM	3	4	19.27	19.28	19.28			
1.4	HQAM	3	6	19.25	19.21	19.21	20.5	5	

GSM850 Ant 4		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	251	512	661	251	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	32.40	32.46	32.45	33.50	23.40	23.46	23.45	24.50
GPRS 1 Tx slot	32.40	32.41	32.38	33.50	23.40	23.41	23.38	24.50
GPRS 2 Tx slots	31.45	31.36	31.31	32.50	25.45	25.36	25.31	26.50
GPRS 3 Tx slots	29.67	29.61	29.61	31.00	25.41	25.35	25.35	26.74
GPRS 4 Tx slots	28.73	28.79	28.68	30.00	25.73	25.79	25.68	27.00
EDGE 1 Tx slot	26.86	26.93	26.89	28.00	17.86	17.93	17.89	19.00
EDGE 2 Tx slots	23.82	23.96	23.90	25.00	17.82	17.96	17.90	19.00
EDGE 3 Tx slots	22.08	22.11	22.07	23.20	17.82	17.85	17.81	18.94
EDGE 4 Tx slots	20.89	20.95	20.84	22.00	17.89	17.93	17.84	18.00

GSM1900 Ant 4		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot	28.42	28.54	28.51	29.50	19.42	19.54	19.51	20.50
GPRS 1 Tx slot	28.38	28.50	28.45	29.50	19.38	19.50	19.40	20.50
GPRS 2 Tx slots	27.64	27.59	27.73	28.50	21.64	21.59	21.73	22.50
GPRS 3 Tx slots	26.83	25.83	25.95	27.00	21.57	21.57	21.69	22.74
GPRS 4 Tx slots	24.80	24.85	24.87	26.00	21.80	21.89	21.87	23.00
EDGE 1 Tx slot	24.82	24.87	24.83	26.00	15.82	15.87	15.83	17.00
EDGE 2 Tx slots	21.81	21.92	21.79	23.00	15.81	15.92	15.79	17.00
EDGE 3 Tx slots	20.03	20.07	20.02	21.20	15.77	15.81	15.76	16.94
EDGE 4 Tx slots	18.88	18.87	18.87	20.00	15.88	15.87	15.87	17.00

Band		WCDMA II Ant 4			WCDMA IV Ant 4			WCDMA V Ant 4			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	1312	1413	1513	4152	4182	4233	
Rx Channel		8602	8600	8538	1637	1638	1728	4387	4407	4458	
Frequency (MHz)		1852.4	1860	1907.8	1712.4	1732.6	1752.8	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.51	22.53	22.45	23.50	23.67	23.80	23.70	24.31	24.44	24.29
3GPP Rel 99	RMC 12.2Kbps	22.58	22.69	22.57	23.50	23.77	23.84	23.72	24.50	24.45	24.41
3GPP Rel 6	HSDPA Subtest-1	21.52	21.66	21.61	22.50	22.76	22.84	22.68	23.50	23.48	23.39
3GPP Rel 6	HSDPA Subtest-2	21.56	21.64	21.59	22.50	22.74	22.88	22.74	23.50	23.50	23.49
3GPP Rel 6	HSDPA Subtest-3	21.08	21.21	21.02	22.00	22.28	22.34	22.27	23.00	22.92	23.04
3GPP Rel 6	HSDPA Subtest-4	21.06	21.11	21.09	22.00	22.21	22.32	22.27	23.00	22.91	22.99
3GPP Rel 6	DCHSDPA Subtest-1	21.60	21.62	21.56	22.50	22.76	22.84	22.68	23.50	23.40	23.44
3GPP Rel 6	DCHSDPA Subtest-2	21.53	21.62	21.61	22.50	22.83	22.88	22.76	23.50	23.46	23.45
3GPP Rel 6	DCHSDPA Subtest-3	21.04	21.22	21.02	22.00	22.24	22.31	22.21	23.00	23.00	22.94
3GPP Rel 6	DCHSDPA Subtest-4	21.10	21.13	21.08	22.00	22.30	22.35	22.20	23.00	22.99	22.95
3GPP Rel 6	HSPA Subtest-1	21.62	21.71	21.56	22.50	22.80	22.83	22.75	23.50	23.49	23.44
3GPP Rel 6	HSPA Subtest-2	19.57	19.72	19.55	20.50	20.73	20.81	20.71	21.50	21.44	21.44
3GPP Rel 6	HSPA Subtest-3	20.59	20.66	20.55	21.50	21.78	21.88	21.67	22.50	22.48	22.53
3GPP Rel 6	HSPA Subtest-4	19.60	19.70	19.57	20.50	20.83	20.90	20.77	21.50	21.50	21.49
3GPP Rel 6	HSPA Subtest-5	21.56	21.71	21.60	22.50	22.73	22.81	22.76	23.50	23.44	23.41
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.09	19.14	19.06	20.00	20.23	20.32	20.23	21.00	20.93	21.04

Band 7 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 20890	Power Middle Ch / Freq. 21100	Power High Ch / Freq. 21350	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.68	23.75	23.66	24.5	0	
20	QPSK	1	49	23.56	23.71	23.63			
20	QPSK	1	99	23.61	23.66	23.57			
20	QPSK	50	0	22.69	22.76	22.71	23.5	1	
20	QPSK	50	24	22.56	22.68	22.63			
20	QPSK	50	50	22.62	22.64	22.62			
20	QPSK	100	0	22.63	22.75	22.64	23.5	1	
20	16QAM	1	0	22.64	22.73	22.69			
20	16QAM	1	49	22.50	22.73	22.62			
20	16QAM	1	99	22.59	22.69	22.58	22.5	2	
20	16QAM	50	0	21.69	21.80	21.67			
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58	22.5	2	
20	16QAM	100	0	21.62	21.80	21.60			
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63	22.5	2	
20	64QAM	1	99	21.57	21.72	21.61			
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67	21.5	3	
20	64QAM	50	50	20.65	20.59	20.64			
20	64QAM	100	0	20.59	20.73	20.66			
20	256QAM	1	0	18.73	18.72	18.68	19.5	5	
20	256QAM	1	49	18.55	18.66	18.67			
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64	19.5	5	
20	256QAM	50	24	18.64	18.71	18.74			
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.56	23.63	23.57	24.5	0	
15	QPSK	1	37	23.48	23.58	23.53			
15	QPSK	1	74	23.54	23.54	23.48			
15	QPSK	36	0	22.67	22.66	22.61	23.5	1	
15	QPSK	36	20	22.50	22.57	22.51			
15	QPSK	36	39	22.53	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59	23.5	1	
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55			
15	16QAM	1	74	22.46	22.65	22.53	22.5	2	
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	2	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58	22.5	2	
15	64QAM	1	74	21.46	21.65	21.47			
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54	21.5	3	
15	64QAM	36	39	20.54	20.49	20.53			
15	64QAM	75	0	20.49	20.64	20.60			
15	256QAM	1	0	18.60	18.70	18.62	19.5	5	
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	5	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.57	23.71	23.52	24.5	0	
10	QPSK	1	25	23.48	23.63	23.52			
10	QPSK	1	49	23.56	23.62	23.44			
10	QPSK	25	0	22.62	22.65	22.60	23.5	1	
10	QPSK	25	12	22.54	22.64	22.59			
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62	23.5	1	
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57			
10	16QAM	1	49	22.54	22.67	22.49	22.5	2	
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	2	
10	16QAM	50	0	21.52	21.78	21.48			
10	64QAM	1	0	21.54	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59	22.5	2	
10	64QAM	1	49	21.43	21.63	21.57			
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64	21.5	3	
10	64QAM	25	25	20.58	20.47	20.61			
10	64QAM	50	0	20.47	20.64	20.62			
10	256QAM	1	0	18.71	18.62	18.59	19.5	5	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62	19.5	5	
10	256QAM	25	12	18.62	18.68	18.69			
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.65	23.72	23.61	24.5	0	
5	QPSK	1	12	23.48	23.67	23.51			
5	QPSK	1	24	23.54	23.61	23.44			
5	QPSK	12	0	22.59	22.65	22.67	23.5	1	
5	QPSK	12	7	22.46	22.56	22.57			
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61	23.5	1	
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56			
5	16QAM	1	24	22.47	22.56	22.46	22.5	2	
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	2	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.53	22.5	2	
5	64QAM	1	24	21.50	21.61	21.53			
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54	21.5	3	
5	64QAM	12	13	20.53	20.47	20.51			
5	64QAM	25	0	20.54	20.70	20.63			
5	256QAM	1	0	18.71	18.65	18.62	19.5	5	
5	256QAM	1	12	18.62	18.55	18.57			
5	256QAM	1	24	18.54	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59	19.5	5	
5	256QAM	12	7	18.50	18.64	18.65			
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			

Band 2 Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.08	22.13	21.97	23	0						
20	QPSK	1	48	22.07	22.10	21.88								
20	QPSK	1	99	22.03	22.04	21.91	22	1						
20	QPSK	50	0	21.06	21.08	21.02								
20	QPSK	50	24	21.04	21.09	20.94	22	1						
20	QPSK	50	50	21.02	21.06	20.97								
20	QPSK	100	0	20.98	21.08	20.95	22	1						
20	QPSK	100	24	21.05	21.17	20.97								
20	16QAM	1	49	21.10	21.11	20.97	21	2						
20	16QAM	1	99	21.07	21.08	20.87								
20	16QAM	50	0	20.92	20.95	19.97	21	2						
20	16QAM	50	24	20.99	20.98	19.97								
20	16QAM	50	50	19.98	20.93	19.93	18	5						
20	16QAM	100	0	19.99	20.95	19.95								
20	16QAM	1	0	20.96	20.14	19.95	21	2						
20	16QAM	1	49	20.11	20.12	19.98								
20	16QAM	1	99	20.02	20.15	19.98	20	3						
20	16QAM	50	0	19.99	19.98	19.92								
20	16QAM	50	24	19.92	19.96	19.97	18	5						
20	16QAM	50	50	19.99	19.91	19.98								
20	256QAM	1	1	17.14	17.15	16.90	19	5						
20	256QAM	1	49	17.05	17.07	16.96								
20	256QAM	1	99	16.99	17.07	16.95	18	5						
20	256QAM	50	24	17.04	17.12	16.94								
20	256QAM	50	50	17.02	17.05	16.93	20	3						
20	256QAM	50	99	16.98	17.06	16.94								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.97	22.12	21.97	23	0						
15	QPSK	1	37	22.02	21.99	21.83								
15	QPSK	1	74	22.00	22.09	21.83	23	1						
15	QPSK	36	0	21.04	20.98	20.98								
15	QPSK	36	24	21.01	21.04	20.91	22	1						
15	QPSK	36	36	20.93	21.00	20.93								
15	QPSK	75	0	20.91	20.97	20.92	22	1						
15	QPSK	75	0	21.03	21.16	20.93								
15	16QAM	1	37	21.03	21.19	20.93	21	2						
15	16QAM	1	0	21.04	21.15	20.92								
15	16QAM	36	0	20.90	20.92	19.97	20	3						
15	16QAM	36	20	19.90	20.93	19.95								
15	16QAM	36	20	19.97	19.97	19.94	18	5						
15	16QAM	75	0	19.94	19.96	19.94								
15	16QAM	1	0	20.90	20.12	19.92	21	2						
15	16QAM	1	37	20.95	20.95	19.98								
15	16QAM	1	74	19.92	20.14	19.91	20	3						
15	16QAM	36	0	19.93	19.98	19.90								
15	16QAM	36	20	19.92	19.93	19.93	18	5						
15	16QAM	36	39	19.95	19.95	19.92								
15	16QAM	75	0	19.98	19.93	19.98	19	5						
15	16QAM	75	0	17.06	17.15	16.98								
15	256QAM	1	37	17.04	16.97	16.78	18	5						
15	256QAM	1	74	16.97	17.04	16.94								
15	256QAM	36	0	16.96	17.02	16.98	18	5						
15	256QAM	36	20	16.95	17.02	16.78								
15	256QAM	36	39	16.92	16.94	16.88	20	3						
15	256QAM	75	0	17.02	17.03	16.94								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.02	22.10	21.96	23	0						
10	QPSK	1	25	22.07	22.09	21.79								
10	QPSK	1	49	21.98	22.09	21.86	22	1						
10	QPSK	1	25	21.92	22.02	21.86								
10	QPSK	25	12	21.91	21.98	20.93	22	1						
10	QPSK	25	25	20.93	21.93	20.93								
10	16QAM	1	0	21.90	21.98	20.90	22	1						
10	16QAM	1	25	21.98	21.93	20.82								
10	16QAM	1	49	21.91	21.93	20.78	21	2						
10	16QAM	25	12	19.96	20.92	19.88								
10	16QAM	25	12	19.98	19.98	19.93	20	3						
10	16QAM	50	0	19.94	20.90	19.93								
10	16QAM	1	0	19.97	20.99	19.91	21	2						
10	16QAM	1	49	20.01	20.04	19.98								
10	16QAM	1	49	19.95	20.10	19.93	20	3						
10	16QAM	25	0	19.93	19.97	19.85								
10	16QAM	25	12	19.92	19.92	19.90	18	5						
10	16QAM	50	0	19.98	19.93	19.92								
10	16QAM	50	0	17.02	17.11	16.92	18	5						
10	256QAM	1	25	17.01	17.00	16.78								
10	256QAM	1	49	16.96	17.01	16.94	18	5						
10	256QAM	1	99	16.96	17.02	16.90								
10	256QAM	25	12	17.06	17.03	16.80	20	3						
10	256QAM	25	25	16.96	17.01	16.94								
10	256QAM	50	0	17.02	17.02	16.94	20	3						
10	256QAM	50	0	16.95	16.95	16.85								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.97	22.08	21.88	23	0						
5	QPSK	1	12	21.98	22.05	21.77								
5	QPSK	1	24	21.95	22.07	21.82	22	1						
5	QPSK	12	0	20.95	20.97	20.96								
5	QPSK	12	7	20.94	21.00	20.94	22	1						
5	QPSK	12	13	21.01	21.02	20.94								
5	QPSK	24	0	20.94	21.04	20.87	22	1						
5	16QAM	1	0	21.02	21.05	20.91								
5	16QAM	1	12	21.08	21.00	20.81	21	2						
5	16QAM	1	24	20.91	20.98	20.83								
5	16QAM	12	0	19.97	20.05	19.92	20	3						
5	16QAM	12	7	19.91	19.93	19.88								
5	16QAM	12	13	19.93	20.01	19.88	21	2						
5	16QAM	25	0	19.93	19.97	19.85								
5	16QAM	1	0	20.91	20.11	19.94	21	2						
5	16QAM	1	12	20.10	20.05	19.98								
5	16QAM	1	24	19.94	20.07	19.92	20	3						
5	16QAM	12	0	19.91	19.92	19.91								
5	16QAM	12	7	19.96	19.98	19.91	18	5						
5	16QAM	12	13	19.90	19.99	19.92								
5	256QAM	1	24	17.02	17.07	16.98	18	5						
5	256QAM	1	12	17.01	17.05	16.95								
5	256QAM	1	49	16.96	16.99	16.98	18	5						
5	256QAM	12	0	17.02	17.11	16.98								
5	256QAM	12	7	16.96	16.98	16.94	18	5						
5	256QAM	12	13	16.92	16.99	16.92								
5	256QAM	25	12	17.02	17.02	16.94	20	3						
5	256QAM	25	25	16.94	17.01	16.97								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.99	22.09	21.89	23	0						
3	QPSK	1	8	22.02	22.01	21.78								
3	QPSK	1	16	21.96	22.07	21.83	22	1						
3	QPSK	8	0	21.02	21.04	21.04								
3	QPSK	8	4	21.03	21.07	20.91	22	1						
3	QPSK	8	8	21.02	21.07	20.91								
3	QPSK	16	0	20.97	21.07	20.92	22	1						
3	16QAM	1	0	20.98	21.07	20.94								
3	16QAM	1	8	21.03	21.07	20.97	21	2						
3	16QAM	1	16	21.02	21.04	20.78								
3	16QAM	8	0	19.90	20.05	19.96	20	3						
3	16QAM	8	4	19.94	19.98	19.89								
3	16QAM	8	7	19.94	19.97	19.89	21	2						
3	16QAM	16	0	19.99	19.98	19.97								
3	16QAM	16	8	19.97	19.97	19.97	21	2						
3	16QAM	16	8	20.08	20.10	19.97								
3	16QAM	1	14	19.91	20.08	19.95	20	3						
3	16QAM	1	30	19.93	20.07	19.88								
3	16QAM	8	4	19.96	19.94	19.91	18	5						
3	16QAM	8	7	19.92	19.94	19.89								
3	16QAM	16	8	19.92	19.97	19.91	18	5						
3	256QAM	1	14	17.02	17.02	16.91								
3	256QAM	1	30	17.01	17.08	16.91	18	5						
3	256QAM	8	0	16.94	17.04	16.89								
3	256QAM	8	4	16.94	17.04	16.89	18	5						
3	256QAM	8	7	16.94	17.03	16.89								
3	256QAM	16	0	16.98	17.10	16.91	20	3						
3	256QAM	16	8	16.95	17.03	16.85								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.08	22.11	21.97	23	0						
1.4	QPSK	1	3	22.11	22.02	21.78								
1.4	QPSK	1	6	21.99	22.07	21.83	22	1						
1.4	QPSK	8	0	22.07	22.11	21.86								
1.4	QPSK	8	3	21.96	21.99	21.79	22	1						
1.4	QPSK	8	6	22.00	22.10	21.75								
1.4	QPSK	6	0	20.98	20.97	21.01	22	1						
1.4	QPSK	6	3	20.99	20.97	20.98								
1.4	16QAM	1	0	20.96	21.04	20.94	21	2						
1.4	16QAM	1	3	20.95	20.98	20.87								
1.4	16QAM	1	6	20.94	21.01	20.89	22	1						
1.4	16QAM	8	0	20.91	21.03	20.93								
1.4	16QAM	1	3	20.88	21.07	20.84	21	2						
1.4	16QAM	1	6	20.93	21.03	20.93								
1.4	16QAM	8	0	19.91	20.02	19.97	20	3						
1.4	16QAM	8	3	19.92	20.03	19.99								
1.4	16QAM	8	6	19.91	20.1									

Band 7 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power High Mod Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.97	23.04	22.96			
20	QPSK	1	40	22.96	23.02	22.98	24.5	0	
20	QPSK	1	80	22.93	23.02	22.94			
20	QPSK	50	0	21.62	22.03	21.96			
20	QPSK	50	24	21.68	22.02	21.96			
20	QPSK	50	50	21.95	22.01	21.96	23.5	1	
20	QPSK	100	0	21.95	22.03	21.96			
20	QPSK	100	0	22.01	22.07	21.96			
20	HQAM	1	40	21.93	22.05	21.90	23.5	1	
20	HQAM	1	80	21.98	22.05	21.96			
20	HQAM	1	80	20.95	21.02	20.93			
20	HQAM	50	24	21.02	20.97	21.01	22.5	2	
20	HQAM	50	50	20.93	21.01	20.92			
20	HQAM	100	0	20.95	21.01	21.00			
20	HQAM	1	0	21.00	21.08	20.95			
20	HQAM	1	80	20.99	21.01	20.91	22.5	2	
20	HQAM	1	80	20.90	21.05	20.91			
20	HQAM	50	0	19.92	20.05	19.90			
20	HQAM	50	24	19.96	19.99	19.98	21.5	3	
20	HQAM	50	50	19.90	19.99	19.98			
20	HQAM	100	0	19.99	20.06	19.92			
20	25QAM	1	0	17.81	18.06	17.86			
20	25QAM	1	40	17.84	18.03	17.91	19.5	5	
20	25QAM	1	80	17.83	18.04	17.83			
20	25QAM	50	24	17.90	18.09	17.98			
20	25QAM	50	24	17.99	18.04	17.90	19.5	5	
20	25QAM	50	50	17.83	17.88	17.86			
20	25QAM	1	0	18.00	18.00	18.00			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.85	23.00	22.85			
15	QPSK	1	37	22.86	22.95	22.83	24.5	0	
15	QPSK	1	74	22.80	22.97	22.82			
15	QPSK	36	0	21.88	21.93	21.85			
15	QPSK	36	20	21.90	21.99	21.93	23.5	1	
15	QPSK	36	36	21.90	21.96	21.75			
15	QPSK	75	0	21.89	21.91	21.88			
15	QPSK	1	0	21.96	22.03	21.84			
15	HQAM	1	37	21.90	22.00	21.88	23.5	1	
15	HQAM	1	74	21.91	21.98	21.87			
15	HQAM	36	0	20.94	20.92	20.84			
15	HQAM	36	20	20.99	20.97	20.98	22.5	2	
15	HQAM	1	0	17.92	17.92	17.92			
15	HQAM	75	0	20.92	21.00	20.90			
15	HQAM	1	0	20.96	21.03	20.93			
15	HQAM	1	37	20.95	21.00	20.90	22.5	2	
15	HQAM	1	74	20.92	20.99	20.83			
15	HQAM	36	0	19.88	20.02	19.89			
15	HQAM	36	20	19.94	19.96	19.96	21.5	3	
15	HQAM	36	36	19.85	19.95	19.72			
15	HQAM	75	0	19.84	19.96	19.89			
15	25QAM	1	0	17.85	17.92	17.85			
15	25QAM	1	37	17.85	17.97	17.90	19.5	5	
15	25QAM	1	74	17.86	18.03	17.89			
15	25QAM	36	0	17.86	18.03	17.86			
15	25QAM	36	20	17.93	18.01	17.79	19.5	5	
15	25QAM	36	36	17.85	17.93	17.81			
15	25QAM	75	0	17.87	18.01	17.88			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.04	22.03	22.00			
10	QPSK	1	0	22.04	22.00	22.08	24.5	0	
10	QPSK	1	40	22.87	22.90	22.93			
10	QPSK	1	80	22.86	22.90	22.88			
10	QPSK	25	12	21.80	21.90	21.90	23.5	1	
10	QPSK	25	25	21.94	21.96	21.80			
10	QPSK	1	0	22.01	22.02	22.00			
10	HQAM	1	0	22.01	22.05	21.90			
10	HQAM	1	25	21.85	22.00	21.82	23.5	1	
10	HQAM	1	80	22.04	22.04	21.90			
10	HQAM	25	0	20.90	20.99	20.90			
10	HQAM	25	12	20.93	20.90	21.00	22.5	2	
10	HQAM	25	25	20.90	20.96	20.77			
10	HQAM	50	0	20.88	20.91	20.93			
10	HQAM	1	0	20.90	21.00	20.88	22.5	2	
10	HQAM	1	25	20.95	20.96	20.80			
10	HQAM	1	40	20.85	21.01	20.91			
10	HQAM	25	0	19.90	19.99	19.81			
10	HQAM	25	12	19.95	19.97	19.80	21.5	3	
10	HQAM	25	25	19.80	19.91	19.80			
10	HQAM	50	0	19.88	19.96	19.82			
10	25QAM	1	0	17.80	18.00	17.80			
10	25QAM	1	25	17.83	18.02	17.90	19.5	5	
10	25QAM	1	40	17.91	17.96	17.88			
10	25QAM	25	0	17.81	17.88	17.80			
10	25QAM	25	12	17.90	17.96	17.89	19.5	5	
10	25QAM	25	25	17.88	17.89	17.86			
10	25QAM	50	0	17.82	17.99	17.83			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.86	23.03	22.84			
5	QPSK	1	12	22.91	22.90	22.82	24.5	0	
5	QPSK	1	24	22.84	23.01	22.83			
5	QPSK	12	0	21.81	21.98	21.86			
5	QPSK	12	7	21.90	21.94	21.84	23.5	1	
5	QPSK	12	13	21.84	22.01	21.79			
5	QPSK	24	0	21.86	21.91	21.80			
5	HQAM	1	0	21.97	22.05	21.85			
5	HQAM	1	12	21.93	21.94	21.83	23.5	1	
5	HQAM	1	24	21.87	21.94	21.88			
5	HQAM	12	0	20.80	20.84	20.85			
5	HQAM	12	7	20.95	20.98	21.00	22.5	2	
5	HQAM	12	13	20.90	20.93	20.74			
5	HQAM	25	0	20.92	20.98	20.92			
5	HQAM	1	0	20.93	21.02	20.90	22.5	2	
5	HQAM	1	12	20.90	20.91	20.90			
5	HQAM	1	24	20.80	20.96	20.83			
5	HQAM	12	0	19.91	20.04	19.82			
5	HQAM	12	7	19.95	19.97	19.93	21.5	3	
5	HQAM	12	13	19.80	19.89	19.85			
5	HQAM	25	0	19.88	20.03	19.88			
5	25QAM	1	0	17.89	17.98	17.93			
5	25QAM	1	12	17.86	18.01	17.87	19.5	5	
5	25QAM	1	24	17.82	17.94	17.83			
5	25QAM	12	0	17.89	18.07	17.88			
5	25QAM	12	7	17.89	18.00	17.90	19.5	5	
5	25QAM	12	13	17.84	17.88	17.98			
5	25QAM	25	0	17.88	18.02	17.88			

Band 12 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Mod Ch / Freq.	Power High Mod Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.41	24.55	24.37			
10	QPSK	1	25	24.38	24.54	24.28	25.5	0	
10	QPSK	1	40	24.33	24.53	24.31			
10	QPSK	25	0	23.43	23.53	23.34			
10	QPSK	25	12	23.40	23.49	23.32	24.5	1	
10	QPSK	25	25	23.32	23.48	23.24			
10	QPSK	50	0	23.25	23.51	23.28			
10	HQAM	1	0	23.43	23.51	23.39			
10	HQAM	1	25	23.39	23.54	23.30	24.5	1	
10	HQAM	1	40	23.28	23.51	23.27			
10	HQAM	25	0	22.45	22.55	22.30			
10	HQAM	25	12	22.42	22.55	22.38	23.5	2	
10	HQAM	25	25	22.27	22.47	22.28			
10	HQAM	50	0	22.32	22.56	22.34			
10	HQAM	1	0	22.43	22.57	22.42			
10	HQAM	1	25	22.26	22.50	22.27	23.5	2	
10	HQAM	25	0	21.40	21.55	21.39			
10	HQAM	25	12	21.41	21.47	21.33	22.5	3	
10	HQAM	25	25	21.31	21.48	21.15			
10	HQAM	50	0	21.36	21.57	21.32			
10	25QAM	1	0	19.45	19.50	19.39			
10	25QAM	1	25	19.32	19.55	19.29	20.5	5	
10	25QAM	1	40	19.33	19.54	19.27			
10	25QAM	1	80	19.35	19.56	19.28			
10	25QAM	25	12	19.33	19.48	19.37	20.5	5	
10	25QAM	25	25	19.31	19.46	19.19			
10	25QAM	50	0	19.30	19.40	19.20			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.36	24.54	24.27			
5	QPSK	1	8	24.33	24.42	24.18	25.5	0	
5	QPSK	1	16	24.23	24.33	24.22			
5	QPSK	1	24	24.13	24.24	24.12			
5	QPSK	8	0	23.34	23.42	23.24	24.5	1	
5	QPSK	8	7	23.24	23.41	23.14			
5	QPSK	8	15	23.14	23.31	23.07			
5	HQAM	1	0	23.40	23.50	23.38			
5	HQAM	1	8	23.36	23.46	23.21	24.5	1	
5	HQAM	1	16	23.27	23.40	23.17			
5	HQAM	8	0	22.39	22.46	22.21			
5	HQAM	8	4	22.33	22.51	22.20	23.5	2	
5	HQAM	8	12	22.27	22.45	22.22			
5	HQAM	16	0	22.31	22.51	22.27			
5	HQAM	16	8	22.28	22.47	22.23	23.5	2	
5	HQAM	16	16	22.21	22.41	22.22			
5	HQAM	32	0	21.37	21.46	21.27			
5	HQAM	32	8	21.32	21.43	21.21	22.5	3	
5	HQAM	32	16	21.22	21.45	21.20			
5	25QAM	8	7	21.22	21.45	21.18	20.5	5	
5	25QAM	16	0	19.31	19.52	19.26			
5	25QAM	16	8	19.24	19.53	19.24			
5	25QAM	16	16	19.16	19.54	19.26	20.5	5	
5	25QAM	32	0	17.42	19.46	18.12			
5	25QAM	32	8	17.33	19.46	18.02			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	6.697	7.075	7.153	Turn-up Int. (dB)	MPE (dB)	
1.4	QPSK	1	8	6.697	7.075	7.153			
1.4	QPSK	1	8	6.43	6.43	6.42	25.5	0	
1.4	QPSK	1	8	6.43	6.46	6.44			
1.4	QPSK	1	8	6.43	6.43	6.42			
1.4	QPSK	3	0	6.27	6.40	6.41			
1.4	QPSK	3	8	6.24	6.48	6.45	24.5	1	
1.4	QPSK	3	16	6.20	6.53	6.47			
1.4	HQAM	1	0	6.36	6.36	6.27			
1.4	HQAM	1	8	6.28	6.40	6.32	24.5	1	
1.4	HQAM	1	8	6.28	6.38	6.33			
1.4	HQAM	3	0	6.42	6.38	6.30	23.5	2	
1.4	HQAM	3	1	6.35	6.35	6.27			
1.4	HQAM	3	8	6.24	6.42	6.37	23.5	2	
1.4	HQAM	3	16	6.22	6.44	6.32			
1.4	HQAM	6	0	6.32	6.34	6.24			
1.4	HQAM	6	8	6.24	6.38	6.30	23.5	2	
1.4	HQAM	6	16	6.23	6.29	6.28			
1.4	HQAM	6	32	6.21	6.29	6.23			
1.4	HQAM	6	64	6.20	6.28	6.22			
1.4	HQAM	6	128	6.19	6.28	6.22			
1.4	HQAM	12	0	6.16	6.16	6.11	22.5	3	
1.4	HQAM	12	8	6.10	6.10	6.03			
1.4	HQAM	12	16	6.08	6.08	6.02			
1.4	HQAM	12	32	6.06	6.06	6.01	20.5	5	
1.4	HQAM	12	64	6.02	6.02	5.98			
1.4	HQAM	12	128	6.02	6.02	5.98			
1.4	HQAM	24	0	5.98	5.93	5.92			
1.4	25QAM	1	6	6.21	6.31	6.19	20.5	5	
1.4	25QAM	1	12	6.18	6.28	6.16			
1.4	25QAM	1	24	6.16	6.26	6.14			
1.4	25QAM	3	0	6.10	6.14	6.09			
1.4	25QAM	3	8	6.08	6.14	6.07	20.5	5	

Band 17 Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)			
Channel											
Frequency (MHz)				700.5	710	715					
10	QPSK	1	0	24.40	24.48	24.52	25.5	0			
10	QPSK	1	25	24.38	24.48	24.52					
10	QPSK	1	49	24.36	24.47	24.52					
10	QPSK	25	0	23.37	23.49	23.50					
10	QPSK	25	12	23.39	23.48	23.54	24.5	1			
10	QPSK	25	25	23.39	23.46	23.57					
10	QPSK	50	0	23.35	23.44	23.52					
10	HQAM	1	0	23.37	23.52	23.59					
10	HQAM	1	25	23.40	23.46	23.51	24.5	1			
10	HQAM	1	49	23.37	23.47	23.57					
10	HQAM	25	0	22.42	22.46	22.50					
10	HQAM	25	12	22.35	22.45	22.49					
10	HQAM	25	25	22.41	22.49	22.54	23.5	2			
10	HQAM	50	0	22.34	22.41	22.57					
10	HQAM	1	0	22.44	22.47	22.57					
10	HQAM	1	25	22.36	22.49	22.54					
10	HQAM	1	49	22.40	22.44	22.54	22.5	3			
10	HQAM	25	0	21.32	21.48	21.57					
10	HQAM	25	12	21.36	21.53	21.62					
10	HQAM	25	25	21.36	21.48	21.41					
10	HQAM	50	0	21.36	21.47	21.58	20.5	5			
10	25SQAM	1	0	19.40	19.46	19.50					
10	25SQAM	1	25	19.34	19.45	19.55					
10	25SQAM	1	49	19.39	19.47	19.58					
10	25SQAM	25	0	19.43	19.45	19.54	20.5	5			
10	25SQAM	25	12	19.43	19.42	19.58					
10	25SQAM	25	25	19.38	19.45	19.58					
10	25SQAM	50	0	19.35	19.44	19.55					
Channel											
Frequency (MHz)				700.5	710	715	Turn-up Int. (dB)	MPE (dB)			
5	QPSK	1	0	24.32	24.48	24.58	25.5	0			
5	QPSK	1	12	24.30	24.39	24.47					
5	QPSK	1	24	24.36	24.42	24.51					
5	QPSK	12	0	23.33	23.40	23.51					
5	QPSK	12	7	23.32	23.48	23.57	24.5	1			
5	QPSK	12	13	23.32	23.38	23.51					
5	QPSK	25	0	23.24	23.37	23.53					
5	HQAM	1	0	23.33	23.45	23.51					
5	HQAM	1	12	23.28	23.38	23.53	24.5	1			
5	HQAM	1	24	23.33	23.42	23.57					
5	HQAM	12	0	22.33	22.46	22.59					
5	HQAM	12	7	22.27	22.41	23.52					
5	HQAM	25	0	22.34	22.31	22.17	23.5	2			
5	HQAM	1	0	22.43	22.38	22.17					
5	HQAM	1	12	22.33	22.44	22.15					
5	HQAM	1	24	22.29	22.40	22.27					
5	HQAM	12	0	21.22	21.37	21.23	22.5	3			
5	HQAM	12	7	21.32	21.43	21.36					
5	HQAM	12	13	21.34	21.36	21.34					
5	HQAM	25	0	21.29	21.35	21.27					
5	25SQAM	1	0	19.29	19.40	19.51	20.5	5			
5	25SQAM	1	12	19.25	19.34	19.53					
5	25SQAM	1	24	19.35	19.37	19.56					
5	25SQAM	12	0	19.35	19.35	19.51					
5	25SQAM	12	7	19.29	19.40	19.56	20.5	5			
5	25SQAM	12	13	19.28	19.35	19.57					
5	25SQAM	25	0	19.25	19.38	19.54					
5	25SQAM	25	0	19.25	19.38	19.54					

Band 26 Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)				821.5	831.5	841.5								
15	QPSK	1	0	24.42	24.50	24.47	25.5	0						
15	QPSK	1	37	24.38	24.53	24.53								
15	QPSK	1	74	24.36	24.51	24.45								
15	QPSK	36	0	23.45	23.48	23.46								
15	QPSK	36	20	23.38	23.45	23.43	24.5	1						
15	QPSK	36	36	23.36	23.45	23.43								
15	QPSK	75	0	23.34	23.47	23.45								
15	HQAM	1	0	23.44	23.58	23.53								
15	HQAM	1	37	23.39	23.49	23.41	24.5	1						
15	HQAM	1	74	23.39	23.52	23.46								
15	HQAM	36	0	22.40	22.53	22.49								
15	HQAM	36	20	22.32	22.49	22.39								
15	HQAM	75	0	22.32	22.43	22.36	23.5	2						
15	HQAM	1	0	22.33	22.46	22.46								
15	HQAM	1	0	22.48	22.51	22.49								
15	HQAM	1	37	22.34	22.51	22.47								
15	HQAM	36	0	21.45	21.50	21.43	22.5	3						
15	HQAM	36	20	21.36	21.49	21.38								
15	HQAM	36	36	21.34	21.41	21.45								
15	HQAM	75	0	21.32	21.52	21.40								
15	25SQAM	1	0	19.45	19.57	19.46	20.5	5						
15	25SQAM	1	37	19.35	19.53	19.49								
15	25SQAM	1	74	19.34	19.55	19.44								
15	25SQAM	36	0	19.45	19.54	19.50								
15	25SQAM	36	20	19.44	19.56	19.49	20.5	5						
15	25SQAM	36	36	19.43	19.52	19.45								
15	25SQAM	75	0	19.40	19.55	19.46								
15	25SQAM	75	0	19.40	19.55	19.46								
Channel														
Frequency (MHz)				819	831.5	841	Turn-up Int. (dB)	MPE (dB)						
10	QPSK	1	0	24.40	24.53	24.35	25.5	0						
10	QPSK	1	25	24.29	24.50	24.36								
10	QPSK	1	49	24.35	24.46	24.39								
10	QPSK	25	0	23.43	23.43	23.36								
10	QPSK	25	12	23.34	23.42	23.32	24.5	1						
10	QPSK	25	25	23.29	23.44	23.31								
10	QPSK	50	0	23.32	23.44	23.36								
10	HQAM	1	0	23.38	23.49	23.47								
10	HQAM	1	25	23.36	23.46	23.31	24.5	1						
10	HQAM	1	35	23.38	23.48	23.35								
10	HQAM	25	0	22.34	22.49	22.37								
10	HQAM	25	12	22.28	22.45	22.35								
10	HQAM	50	0	22.32	22.42	22.45	23.5	2						
10	HQAM	1	0	22.48	22.48	22.38								
10	HQAM	1	25	22.34	22.45	22.35								
10	HQAM	1	49	22.30	22.40	22.45								
10	HQAM	25	0	21.37	21.47	21.45	22.5	3						
10	HQAM	25	12	21.38	21.58	21.46								
10	HQAM	25	25	21.29	21.38	21.44								
10	HQAM	50	0	21.22	21.43	21.36								
10	25SQAM	1	0	19.45	19.54	19.44	20.5	5						
10	25SQAM	1	25	19.27	19.49	19.45								
10	25SQAM	1	49	19.33	19.52	19.42								
10	25SQAM	12	0	19.35	19.46	19.41								
10	25SQAM	25	0	19.35	19.50	19.44	20.5	5						
10	25SQAM	25	12	19.28	19.48	19.41								
10	25SQAM	25	25	19.28	19.48	19.41								
10	25SQAM	50	0	19.34	19.43	19.35								
Channel														
Frequency (MHz)				819	831.5	841	Turn-up Int. (dB)	MPE (dB)						
10	QPSK	1	0	24.40	24.53	24.35	25.5	0						
10	QPSK	1	12	24.37	24.50	24.41								
10	QPSK	1	24	24.27	24.40	24.43								
10	QPSK	1	36	24.27	24.40	24.43								
10	QPSK	12	7	23.37	23.39	23.33	24.5	1						
10	QPSK	12	19	23.31	23.38	23.33								
10	QPSK	25	0	23.32	23.38	23.33								
10	HQAM	1	0	23.40	23.51	23.46								
10	HQAM	1	12	23.31	23.42	23.33	24.5	1						
10	HQAM	1	24	23.32	23.43	23.34								
10	HQAM	12	7	22.32	22.48	22.34								
10	HQAM	12	19	22.22	22.42	22.30								
10	HQAM	25	0	22.23	22.44	22.37	23.5	2						
10	HQAM	1	0	22.40	22.42	22.37								
10	HQAM	1	12	22.32	22.42	22.37								
10	HQAM	1	24	22.29	22.40	22.39								
10	HQAM	12	0	21.45	21.46	21.47	22.5	3						
10	HQAM	12	12	21.42	21.45	21.43								
10	HQAM	12	24	21.30	21.30	21.40								
10	HQAM	25	0	21.23	21.46	21.36								
10	25SQAM	1	0	19.45	19.50	19.39	20.5	5						
10	25SQAM	1	12	19.28	19.48	19.39								
10	25SQAM	1	24	19.27	19.46	19.42								
10	25SQAM	12	0	19.38	19.42	19.44								
10	25SQAM	12	7	19.34	19.59	19.48	20.5	5						
10	25SQAM	12	19	19.21	19.47	19.34								
10	25SQAM	12	24	19.36	19.51	19.31								
10	25SQAM	25	0	19.36	19.48	19.42								
Channel														
Frequency (MHz)				819	831.5	841	Turn-up Int. (dB)	MPE (dB)						
3	QPSK	1	0	24.33	24.53	24.35	25.5	0						
3	QPSK	1	8	24.30	24.47	24.35								
3	QPSK	1	16	24.30	24.43	24.33								
3	QPSK	6	4	23.31	23.42	23.33								
3	QPSK	6	7	23.31	23.34	23.31	24.5	1						
3	QPSK	6	14	23.33	23.34	23.31								
3	HQAM	1	0	23.30	23.51	23.33								
3	HQAM	8	4	23.38	23.40	23.32								
3	HQAM	8	13	23.34	23.35	23.32	24.5	1						
3	HQAM	8	26	23.38	23.40	23.32								
3	HQAM	8	4	22.33	22.43	22.28								
3	HQAM	8	13	22.33	22.32	22.28								
3	HQAM	15	0	22.45	22.47	22.42	23.5	2						
3	HQAM	1	0	22.48	22.47	22.42								
3	HQAM	1	8	22.45	22.47	22.42								
3	HQAM	1	16	22.37	22.38	22.27								
3	HQAM	8	0	21.45	21.42	21.32	22.5	3						
3	HQAM	8	8	21.42	21.47	21.33								
3	HQAM	15	0	21.27	21.32	21.31								
3	HQAM	15	8	21.38	21.50	21.39								
3	25SQAM	1	0	19.33	19.43	19.38	20.5	5						
3	25SQAM	8	14	19.33	19.45	19.32								
3	25SQAM	8	14	19.44	19.49	19.46								
3	25SQAM	8	7	19.33	19.48	19.38								
3	25SQAM	6	7	19.33	19.43	19.35	20.5	5						
3	25SQAM	6	14	19.37	19.49	19.37								
Channel														
Frequency (MHz)				819	831.5	841					Turn-up Int. (dB)	MPE (dB)		
1.4	QPSK	1	0	24.34	24.53	24.35					25.5	0		
1.4	QPSK	3	0	24.35	24.50	24.37								
1.4	QPSK	3	5	24.31	24.43	24.43								
1.4	QPSK	3	10	24.33	24.43	24.43								
1.4	QPSK	3	1	24.34	24.40	24.33	24.5	1						
1.4	QPSK	3	3	24.28	24.40	24.43								
1.4	HQAM	1	0	23.30	23.50	23.43								
1.4	HQAM	1	0	23.30	23.50	23.43								
1.4	HQAM	3	1	23.28	23.49	23.35	24.5	1						
1.4	HQAM	3	3	23.28	23.49	23.35								
1.4	HQAM	3	5	23.24	23.49	23.35								
1.4	HQAM	3	10	23.24	23.51	22.37								
1.4	HQAM	3	0	22.23	22.38	22.28	23.5	2						
1.4	HQAM	3	1	22.23	22.38	22.28								
1.4	HQAM	3	3	22.23	22.42	22.34								
1.4	HQAM	3	5	22.47	22.42	22.39								
1.4	HQAM	3	10	22.42	22.42	22.39	22.5	3						
1.4	HQAM	3	1	22.30	22.41	22.47								
1.4	HQAM	3	3	22.30	22.41	22.47								
1.4	HQAM	3	5	21.35	21.54	21.47								
1.4	25SQAM	1	0	19.33	19.42	19.38	20.5	5						
1.4	25SQAM	3	5	19.24	19.47	19.38								
1.4	25SQAM	3	10	19.33	19.53	19.38								
1.4	25SQAM	3	1	19.34	19.46	19.49								
1.4	25SQAM	3	3	19.34	19.44	19.33	20.5	5						
1.4	25SQAM	3	10	19.34	19.49	19.33								
1.4	25SQAM	3	1	19.34	19.49	19.33								
1.4	25SQAM	3	3	19.34	19.49	19.33								
1.4	25SQAM	3	5	19.34	19.49	19.33								

Band 38 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				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.49	23.51	23.47	24.5	0	
20	QPSK	1	49	23.47	23.50	23.42			
20	QPSK	1	99	23.46	23.49	23.44			
20	QPSK	50	0	22.53	22.49	22.42			
20	QPSK	50	24	22.48	22.47	22.46	23.5	1	
20	QPSK	50	50	22.41	22.49	22.39			
20	QPSK	100	0	22.44	22.45	22.39			
20	16QAM	1	0	22.44	22.50	22.44			
20	16QAM	1	49	22.48	22.45	22.46	23.5	1	
20	16QAM	1	99	22.49	22.46	22.48			
20	16QAM	50	0	21.48	21.49	21.36			
20	16QAM	50	24	21.45	21.47	21.43			
20	16QAM	50	50	21.36	21.54	21.36	22.5	2	
20	16QAM	100	0	21.49	21.42	21.37			
20	16QAM	1	0	21.44	21.51	21.52			
20	16QAM	1	49	21.48	21.49	21.36			
20	16QAM	1	99	21.48	21.45	21.41	22.5	2	
20	16QAM	50	0	20.49	20.53	20.47			
20	16QAM	50	24	20.49	20.42	20.51			
20	16QAM	50	50	20.40	20.44	20.35			
20	16QAM	100	0	20.45	20.51	20.42	21.5	3	
20	256QAM	1	0	18.48	18.49	18.49			
20	256QAM	1	49	18.45	18.47	18.42			
20	256QAM	1	99	18.51	18.53	18.40			
20	256QAM	50	0	18.50	18.52	18.48	19.5	5	
20	256QAM	50	24	18.46	18.48	18.47			
20	256QAM	50	50	18.43	18.47	18.43			
20	256QAM	100	0	18.45	18.49	18.33			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.44	23.49	23.43	24.5	0	
15	QPSK	1	37	23.45	23.48	23.42			
15	QPSK	1	74	23.34	23.41	23.38			
15	QPSK	36	0	22.41	22.48	22.39			
15	QPSK	36	20	22.48	22.43	22.45	23.5	1	
15	QPSK	36	39	22.31	22.45	22.30			
15	QPSK	75	0	22.34	22.43	22.35			
15	16QAM	1	0	22.38	22.45	22.42			
15	16QAM	1	37	22.37	22.45	22.43	23.5	1	
15	16QAM	1	74	22.40	22.43	22.46			
15	16QAM	36	0	21.48	21.37	21.33			
15	16QAM	36	20	21.34	21.37	21.36			
15	16QAM	36	39	21.34	21.49	21.28	22.5	2	
15	16QAM	75	0	21.45	21.32	21.30			
15	16QAM	1	0	21.43	21.41	21.50			
15	16QAM	1	37	21.42	21.40	21.26			
15	16QAM	1	74	21.44	21.42	21.32	22.5	2	
15	16QAM	36	0	20.48	20.44	20.47			
15	16QAM	36	20	20.39	20.39	20.48			
15	16QAM	36	39	20.40	20.39	20.34			
15	16QAM	75	0	20.45	20.42	20.40	21.5	3	
15	256QAM	1	0	18.43	18.38	18.45			
15	256QAM	1	37	18.43	18.42	18.39			
15	256QAM	1	74	18.41	18.48	18.32			
15	256QAM	36	0	18.47	18.43	18.46	19.5	5	
15	256QAM	36	20	18.44	18.39	18.40			
15	256QAM	36	39	18.34	18.35	18.37			
15	256QAM	75	0	18.42	18.48	18.23			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.48	23.45	24.5	0	
10	QPSK	1	25	23.38	23.41	23.40			
10	QPSK	1	49	23.38	23.39	23.34			
10	QPSK	25	0	22.41	22.38	22.31			
10	QPSK	25	12	22.37	22.41	22.35	23.5	1	
10	QPSK	25	25	22.35	22.46	22.45			
10	QPSK	50	0	22.44	22.36	22.27			
10	16QAM	1	0	22.35	22.45	22.39			
10	16QAM	1	25	22.38	22.42	22.35	23.5	1	
10	16QAM	1	49	22.39	22.38	22.37			
10	16QAM	25	0	21.38	21.40	21.34			
10	16QAM	25	12	21.37	21.41	21.40			
10	16QAM	25	25	21.33	21.44	21.34	22.5	2	
10	16QAM	50	0	21.44	21.39	21.28			
10	16QAM	1	0	21.35	21.46	21.43			
10	16QAM	1	25	21.47	21.46	21.28			
10	16QAM	1	49	21.37	21.37	21.34	21.5	3	
10	16QAM	25	0	20.42	20.51	20.41			
10	16QAM	25	12	20.38	20.38	20.48			
10	16QAM	25	25	20.35	20.42	20.27			
10	16QAM	50	0	20.38	20.48	20.35	19.5	5	
10	256QAM	1	0	18.43	18.40	18.41			
10	256QAM	1	25	18.44	18.46	18.38			
10	256QAM	1	49	18.42	18.50	18.32			
10	256QAM	25	0	18.41	18.48	18.36	19.5	5	
10	256QAM	25	12	18.43	18.47	18.44			
10	256QAM	25	25	18.41	18.45	18.41			
10	256QAM	50	0	18.44	18.44	18.25			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.42	23.48	23.41	24.5	0	
5	QPSK	1	12	23.38	23.41	23.35			
5	QPSK	1	24	23.45	23.42	23.42			
5	QPSK	12	0	22.44	22.46	22.40			
5	QPSK	12	7	22.39	22.43	22.45	23.5	1	
5	QPSK	12	13	22.41	22.41	22.30			
5	QPSK	25	0	22.37	22.35	22.30			
5	16QAM	1	0	22.41	22.45	22.43			
5	16QAM	1	12	22.46	22.36	22.39	23.5	1	
5	16QAM	1	24	22.40	22.35	22.41			
5	16QAM	12	0	21.48	21.40	21.30			
5	16QAM	12	7	21.40	21.41	21.43			
5	16QAM	12	13	21.29	21.53	21.33	22.5	2	
5	16QAM	25	0	21.44	21.31	21.31			
5	16QAM	1	0	21.42	21.46	21.49			
5	16QAM	1	12	21.38	21.42	21.26			
5	16QAM	1	24	21.39	21.35	21.41	21.5	3	
5	16QAM	12	0	20.40	20.42	20.44			
5	16QAM	12	7	20.43	20.41	20.48			
5	16QAM	12	13	20.38	20.37	20.34			
5	16QAM	25	0	20.35	20.41	20.33	19.5	5	
5	256QAM	1	0	18.39	18.39	18.41			
5	256QAM	1	12	18.44	18.42	18.30			
5	256QAM	1	24	18.47	18.49	18.39			
5	256QAM	12	0	18.45	18.43	18.44	19.5	5	
5	256QAM	12	7	18.45	18.45	18.40			
5	256QAM	12	13	18.40	18.39	18.39			
5	256QAM	25	0	18.39	18.46	18.23			

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.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.56	23.60	23.55	23.54	24.5	0
20	QPSK	1	49	23.42	23.47	23.56	23.46	23.53		
20	QPSK	1	99	23.40	23.46	23.54	23.47	23.49		
20	QPSK	50	0	22.40	22.43	22.54	22.42	22.47		
20	QPSK	50	24	22.37	22.49	22.59	22.44	22.48	23.5	1
20	QPSK	50	50	22.36	22.42	22.46	22.34	22.37		
20	QPSK	100	0	22.32	22.41	22.49	22.35	22.41		
20	16QAM	1	0	22.49	22.57	22.59	22.56	22.57		
20	16QAM	1	49	22.44	22.41	22.51	22.49	22.55	23.5	1
20	16QAM	1	99	22.44	22.49	22.59	22.48	22.48		
20	16QAM	50	0	21.38	21.48	21.55	21.44	21.44		
20	16QAM	50	24	21.35	21.50	21.58	21.38	21.51		
20	16QAM	50	50	21.36	21.37	21.46	21.32	21.31	22.5	2
20	16QAM	100	0	21.28	21.39	21.53	21.39	21.42		
20	64QAM	1	0	21.43	21.53	21.58	21.51	21.51		
20	64QAM	1	49	21.45	21.44	21.55	21.40	21.49		
20	64QAM	1	99	21.38	21.50	21.53	21.45	21.54	22.5	2
20	64QAM	50	0	20.43	20.47	20.55	20.38	20.43		
20	64QAM	50	24	20.39	20.47	20.58	20.48	20.46		
20	64QAM	50	50	20.36	20.46	20.43	20.29	20.38		
20	256QAM	100	0	20.31	20.44	20.51	20.32	20.43	21.5	3
20	256QAM	1	0	18.41	18.52	18.57	18.37	18.49		
20	256QAM	1	49	18.44	18.44	18.58	18.40	18.55		
20	256QAM	1	99	18.44	18.48	18.50	18.44	18.49		
20	256QAM	50	0	18.39	18.41	18.52	18.47	18.47	19.5	5
20	256QAM	50	24	18.36	18.53	18.53	18.45	18.43		
20	256QAM	50	50	18.36	18.39	18.41	18.28	18.32		
20	256QAM	100	0	18.31	18.45	18.47	18.31	18.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.35	23.49	23.55	23.52	23.49	24.50	0
15	QPSK	1	37	23.35	23.42	23.48	23.36	23.46		
15	QPSK	1	74	23.34	23.42	23.54	23.46	23.46		
15	QPSK	36	0	22.32	22.39	22.53	22.34	22.44		
15	QPSK	36	20	22.32	22.48	22.50	22.35	22.38	23.5	1
15	QPSK	36	39	22.28	22.38	22.44	22.33	22.34		
15	QPSK	75	0	22.32	22.37	22.47	22.32	22.33		
15	16QAM	1	0	22.47	22.51	22.56	22.49	22.50		
15	16QAM	1	37	22.32	22.40	22.42	22.40	22.49	23.5	1
15	16QAM	1	74	22.41	22.41	22.50	22.38	22.41		
15	16QAM	36	0	21.28	21.42	21.41	21.39	21.33		
15	16QAM	36	20	21.29	21.38	21.54	21.29	21.50		
15	16QAM	36	39	21.26	21.27	21.43	21.20	21.25	22.5	2
15	16QAM	75	24	21.18	21.37	21.50	21.32	21.40		
15	16QAM	75	24	21.43	21.45	21.58	21.49	21.40		
15	64QAM	1	37	21.44	21.41	21.45	21.33	21.48		
15	64QAM	1	74	21.30	21.50	21.43	21.44	21.43	22.5	2
15	64QAM	36	0	20.40	20.43	20.44	20.27	20.41		
15	64QAM	36	20	20.39	20.46	20.53	20.40	20.38		
15	64QAM	39	20	20.35	20.42	20.39	20.29	20.27		
15	64QAM	75	0	20.30	20.44	20.47	20.25	20.33	21.5	3
15	256QAM	1	0	18.37	18.44	18.56	18.49	18.42		
15	256QAM	1	37	18.38	18.37	18.51	18.39	18.49		
15	256QAM	1	74	18.40	18.38	18.44	18.36	18.38		
15	256QAM	36	0	18.35	18.36	18.46	18.40	18.40	19.5	5
15	256QAM	36	20	18.27	18.47	18.43	18.36	18.35		
15	256QAM	36	39	18.25	18.37	18.34	18.25	18.27		
15	256QAM	75	0	18.29	18.35	18.41	18.22	18.29		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2637	2685		
10	QPSK	1	0	23.37	23.53	23.53	23.48	23.50	24.50	0
10	QPSK	1	25	23.39	23.36	23.47	23.35	23.50		
10	QPSK	1	49	23.40	23.42	23.42	23.41	23.48		
10	QPSK	25	0	22.34	22.37	22.53	22.34	22.38		
10	QPSK	25	12	22.32	22.42	22.42	22.35	22.37	23.5	1
10	QPSK	25	25	22.29	22.42	22.40	22.34	22.31		
10	QPSK	50	0	22.28	22.37	22.45	22.24	22.41		
10	16QAM	1	0	22.39	22.50	22.48	22.50	22.54		
10	16QAM	1	25	22.41	22.30	22.49	22.45	22.50	23.5	1
10	16QAM	1	49	22.41	22.45	22.58	22.44	22.38		
10	16QAM	25	0	21.28	21.40	21.53	21.34	21.41		
10	16QAM	25	12	21.33	21.41	21.54	21.31	21.45		
10	16QAM	25	25	21.28	21.30	21.41	21.24	21.23	22.5	2
10	16QAM	50	0	21.22	21.37	21.43	21.37	21.35		
10	64QAM	1	0	21.37	21.43	21.49	21.47	21.41		
10	64QAM	1	25	21.44	21.38	21.44	21.34	21.41		
10	64QAM	1	49	21.37	21.48	21.49	21.43	21.49	22.5	2
10	64QAM	25	0	20.42	20.39	20.49	20.32	20.38		
10	64QAM	25	12	20.34	20.36	20.56	20.43	20.38		
10	64QAM	25	25	20.28	20.38	20.32	20.26	20.29		
10	64QAM	50	0	20.22	20.37	20.42	20.22	20.39	21.5	3
10	256QAM	1	0	18.34	18.47	18.55	18.53	18.39		
10	256QAM	1	49	18.44	18.46	18.56	18.36	18.43		
10	256QAM	1	49	18.37	18.37	18.41	18.33	18.38		
10	256QAM	25	0	18.31	18.39	18.48	18.37	18.43	19.5	5
10	256QAM	25	12	18.31	18.53	18.43	18.35	18.38		
10	256QAM	25	25	18.24	18.37	18.39	18.21	18.31		
10	256QAM	50	0	18.23	18.34	18.36	18.19	18.30		
Channel				39715	40175	40620	41090	41545	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.35	23.52	23.57	23.52	23.47	24.50	0
5	QPSK	1	12	23.30	23.46	23.55	23.44	23.46		
5	QPSK	1	24	23.30	23.45	23.51	23.44	23.41		
5	QPSK	12	0	22.33	22.41	22.50	22.35	22.44		
5	QPSK	12	6	22.37	22.46	22.51	22.41	22.44	23.5	1
5	QPSK	12	13	22.27	22.38	22.40	22.32	22.30		
5	QPSK	25	0	22.30	22.39	22.38	22.33	22.32		
5	16QAM	1	0	22.39	22.48	22.52	22.54	22.54		
5	16QAM	1	12	22.32	22.41	22.40	22.39	22.44	23.5	1
5	16QAM	1	24	22.33	22.46	22.52	22.47	22.52		
5	16QAM	12	0	21.26	21.41	21.47	21.42	21.38		
5	16QAM	12	7	21.29	21.43	21.58	21.27	21.44		
5	16QAM	12	13	21.32	21.31	21.39	21.22	21.31	22.5	2
5	16QAM	25	0	21.26	21.36	21.45	21.39	21.35		
5	64QAM	1	0	21.33	21.44	21.50	21.40	21.49		
5	64QAM	1	12	21.44	21.42	21.45	21.28	21.47		
5	64QAM	1	24	21.36	21.39	21.42	21.39	21.49	22.5	2
5	64QAM	12	0	20.32	20.40	20.48	20.31	20.32		
5	64QAM	12	7	20.37	20.37	20.49	20.43	20.39		
5	64QAM	12	13	20.31	20.41	20.37	20.20	20.31		
5	64QAM	25	0	20.24	20.34	20.30	20.27	20.35	21.5	3
5	256QAM	1	0	18.32	18.47	18.48	18.47	18.42		
5	256QAM	1	12	18.37	18.38	18.46	18.37	18.55		
5	256QAM	1	24	18.42	18.43	18.41	18.33	18.43		
5	256QAM	12	0	18.36	18.30	18.51	18.43	18.45	19.5	5
5	256QAM	1	7	18.25	18.44	18.43	18.37	18.33		
5	256QAM	12	0	18.27	18.36	18.39	18.23	18.30		
5	256QAM	25	0	18.20	18.33	18.36	18.21	18.30		

Band 42 Part 27Q 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)				5460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.98	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04			
20	QPSK	50	24	17.97	18.09	18.00	19	1	
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14			
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04	19	1	
20	16QAM	1	99	17.96	18.03	18.01			
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03	18	2	
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15	17	3	
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.06	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.06	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3422.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.02	19.04	19.04			
15	QPSK	1	37	18.96	18.99	18.89	20	0	
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01			
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.80	18.08	17.95	19	1	
15	QPSK	75	0	16.07	16.09	16.08			
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	19	1	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04			
15	16QAM	75	0	17.06	17.11	17.10	18	2	
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03			
15	64QAM	1	74	16.89	16.98	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.98	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94	15	5	
15	256QAM	36	39	13.90	14.10	13.93			
15	256QAM	75	0	13.93	13.95	13.94			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.98	19.02	19.06			
10	QPSK	1	25	18.93	18.96	18.96	20	0	
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.98	18.05	17.90			
10	QPSK	25	12	17.88	18.05	17.96	19	1	
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12			
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98	19	1	
10	16QAM	1	49	17.91	17.92	17.91			
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99			
10	64QAM	1	49	16.91	16.91	16.95	17	3	
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97			
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01	15	5	
10	256QAM	1	0	13.99	14.11	13.92			
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3252.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.00	19.05	18.98			
5	QPSK	1	12	18.93	19.01	18.96	20	0	
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98			
5	QPSK	12	7	17.88	18.02	17.88	19	1	
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08			
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01	19	1	
5	16QAM	1	24	17.87	17.97	17.95			
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02			
5	64QAM	1	24	16.92	16.92	16.96	18	2	
5	64QAM	12	0	15.99	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95			
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01	17	3	
5	256QAM	1	0	14.02	14.06	13.90			
5	256QAM	1	12	13.79	14.04	13.99			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09	19	1
20	QPSK	50	24	18.05	18.04	17.97	18.05		
20	QPSK	50	24	18.01	18.11	17.97	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04		
20	16QAM	1	99	17.97	18.05	17.90	18.05	18	2
20	84QAM	1	0	17.07	17.16	17.03	17.05		
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	84QAM	1	0	17.03	17.06	17.03	17.11		
20	84QAM	1	49	17.02	17.04	16.94	16.96	18	2
20	84QAM	1	99	17.00	17.08	16.92	17.14		
20	84QAM	50	0	16.03	16.14	16.00	16.07		
20	84QAM	50	24	16.08	16.03	16.03	15.95	17	3
20	84QAM	50	50	15.95	16.15	15.90	16.03		
20	84QAM	100	0	16.01	16.17	15.91	16.01		
20	256QAM	1	0	14.04	14.06	14.06	14.15	15	5
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04	15	5
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.97	19.10	18.98	19.03	20	0
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.06	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.99	18.06	19	1
15	QPSK	36	20	18.01	17.97	17.97	17.99		
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98	19	1
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00		
15	16QAM	1	74	17.86	17.94	17.81	17.98	18	2
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	84QAM	1	0	16.94	16.94	17.00	17.09		
15	84QAM	1	37	16.91	16.94	16.83	16.95	18	2
15	84QAM	1	74	16.91	17.00	16.81	17.11		
15	84QAM	36	0	15.95	16.14	15.99	16.05		
15	84QAM	36	20	16.01	15.94	15.95	15.91	17	3
15	84QAM	36	39	15.89	16.07	15.89	16.00		
15	84QAM	75	0	15.96	16.09	15.90	15.89		
15	256QAM	1	0	14.01	14.02	14.00	14.04	15	5
15	256QAM	1	37	14.02	13.97	13.89	13.94		
15	256QAM	1	74	14.00	13.99	13.93	14.05		
15	256QAM	36	0	14.06	14.05	13.93	13.99	15	5
15	256QAM	36	20	13.99	13.98	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97	15	5
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.97	19.10	18.97	19.07	20	0
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99	19	1
10	QPSK	25	12	18.01	17.98	17.99	17.88		
10	QPSK	25	25	17.95	18.03	17.78	17.94		
10	16QAM	1	0	17.99	18.13	17.80	17.94	19	1
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04		
10	16QAM	1	49	17.88	18.00	17.88	17.99	18	2
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.96	16.93	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.96	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	84QAM	1	0	16.94	17.04	16.92	17.07		
10	84QAM	1	25	17.02	16.93	16.92	16.92	18	2
10	84QAM	1	49	16.93	17.06	16.82	17.13		
10	84QAM	1	99	16.97	16.04	16.95	16.05		
10	84QAM	25	12	16.05	15.99	15.97	15.84	17	3
10	84QAM	25	25	15.84	16.13	15.79	15.99		
10	84QAM	50	0	15.96	16.15	15.83	15.96		
10	256QAM	1	0	14.04	14.03	13.95	14.07	15	5
10	256QAM	1	25	14.02	13.96	13.83	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94	15	5
Channel				35535	35911.5	3643	3697.5		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.93	19.11	18.96	19.07	20	0
5	QPSK	1	12	18.96	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.89	19.03		
5	QPSK	12	0	18.03	18.12	17.93	18.04	19	1
5	QPSK	12	6	17.95	17.98	17.91	17.88		
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95	19	1
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02		
5	16QAM	1	24	17.87	18.02	17.80	18.00	18	2
5	16QAM	12	0	16.98	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	16QAM	25	6	16.95	17.04	16.92	17.11		
5	84QAM	1	0	17.01	16.95	16.84	16.96	18	2
5	84QAM	1	24	16.98	17.03	16.92	17.04		
5	84QAM	12	0	15.98	16.03	15.94	16.08		
5	84QAM	12	7	16.00	15.94	15.97	15.84	17	3
5	84QAM	12	13	15.87	16.08	15.81	15.99		
5	84QAM	25	0	16.03	16.15	15.95	16.07		
5	256QAM	1	0	13.93	13.94	13.98	14.15	15	5
5	256QAM	1	12	14.05	13.98	13.95	13.94		
5	256QAM	1	24	13.99	13.94	13.84	14.03		
5	256QAM	12	0	14.01	14.07	13.95	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.85	13.99		
5	256QAM	25	0	14.03	14.09	13.83	14.02	15	5

Band 38 Ant 3										
BW [MHz]	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)				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	23.43	23.52	23.48	24.5	0		
20	QPSK	1	49	23.38	23.45	23.38				
20	QPSK	1	99	23.40	23.40	23.37				
20	QPSK	50	0	22.37	22.57	22.43	23.5	1		
20	QPSK	50	24	22.34	22.49	22.37				
20	QPSK	50	50	22.41	22.42	22.33				
20	QPSK	100	0	22.46	22.52	22.50	23.5	1		
20	16QAM	1	0	22.44	22.54	22.47				
20	16QAM	1	49	22.38	22.51	22.36				
20	16QAM	1	99	22.39	22.39	22.34	22.5	2		
20	16QAM	50	0	21.36	21.56	21.36				
20	16QAM	50	24	21.36	21.54	21.35				
20	16QAM	50	50	21.42	21.43	21.29	22.5	2		
20	16QAM	100	0	21.40	21.53	21.47				
20	64QAM	1	0	21.50	21.56	21.43				
20	64QAM	1	49	21.43	21.52	21.36	22.5	2		
20	64QAM	1	99	21.33	21.41	21.31				
20	64QAM	50	0	20.39	20.58	20.44				
20	64QAM	50	24	20.35	20.54	20.32	21.5	3		
20	64QAM	50	50	20.41	20.47	20.31				
20	64QAM	100	0	20.48	20.58	20.45				
20	256QAM	1	0	18.32	18.52	18.37	19.5	5		
20	256QAM	1	49	18.40	18.46	18.40				
20	256QAM	1	99	18.44	18.37	18.35				
20	256QAM	50	0	18.46	18.48	18.46	19.5	5		
20	256QAM	50	24	18.45	18.58	18.42				
20	256QAM	50	50	18.43	18.54	18.34				
20	256QAM	100	0	18.38	18.42	18.29				
Channel Frequency (MHz)				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
				2577.5	2595	2612.5				
15	QPSK	1	0	23.29	23.45	23.45	24.5	0		
15	QPSK	1	37	23.31	23.38	23.27				
15	QPSK	1	74	23.36	23.27	23.32				
15	QPSK	36	0	22.25	22.47	22.32	23.5	1		
15	QPSK	36	20	22.31	22.41	22.29				
15	QPSK	36	39	22.27	22.36	22.22				
15	QPSK	75	0	22.42	22.47	22.42	23.5	1		
15	16QAM	1	0	22.33	22.40	22.39				
15	16QAM	1	37	22.31	22.38	22.25				
15	16QAM	1	74	22.27	22.31	22.25	22.5	2		
15	16QAM	36	0	21.27	21.45	21.27				
15	16QAM	36	20	21.28	21.45	21.28				
15	16QAM	36	39	21.29	21.37	21.24	22.5	2		
15	16QAM	75	0	21.32	21.43	21.45				
15	64QAM	1	0	21.41	21.49	21.30				
15	64QAM	1	37	21.35	21.39	21.32	22.5	2		
15	64QAM	1	74	21.25	21.29	21.26				
15	64QAM	36	0	20.32	20.51	20.32				
15	64QAM	36	20	20.32	20.48	20.23	21.5	3		
15	64QAM	36	39	20.37	20.36	20.20				
15	64QAM	75	0	20.40	20.51	20.37				
15	256QAM	1	0	18.20	18.41	18.33	19.5	5		
15	256QAM	1	37	18.30	18.38	18.34				
15	256QAM	1	74	18.32	18.28	18.30				
15	256QAM	36	0	18.39	18.41	18.43	19.5	5		
15	256QAM	36	20	18.35	18.50	18.32				
15	256QAM	36	39	18.39	18.44	18.23				
15	256QAM	75	0	18.27	18.35	18.25				
Channel Frequency (MHz)				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
				2575	2595	2615				
10	QPSK	1	0	23.34	23.39	23.43	24.5	0		
10	QPSK	1	25	23.27	23.39	23.32				
10	QPSK	1	49	23.38	23.33	23.35				
10	QPSK	25	0	22.24	22.46	22.36	23.5	1		
10	QPSK	25	12	22.24	22.37	22.31				
10	QPSK	25	25	22.37	22.37	22.20				
10	QPSK	50	0	22.39	22.46	22.43	23.5	1		
10	16QAM	1	0	22.33	22.48	22.35				
10	16QAM	1	25	22.27	22.45	22.22				
10	16QAM	1	49	22.35	22.31	22.27	22.5	2		
10	16QAM	25	0	21.32	21.53	21.31				
10	16QAM	25	12	21.32	21.50	21.27				
10	16QAM	25	25	21.28	21.40	21.17	22.5	2		
10	16QAM	50	0	21.30	21.42	21.40				
10	64QAM	1	0	21.43	21.53	21.34				
10	64QAM	1	25	21.34	21.44	21.27	22.5	2		
10	64QAM	1	49	21.19	21.35	21.29				
10	64QAM	25	0	20.34	20.52	20.41				
10	64QAM	25	12	20.27	20.50	20.19	21.5	3		
10	64QAM	25	25	20.38	20.36	20.25				
10	64QAM	50	0	20.43	20.52	20.32				
10	256QAM	1	0	18.28	18.50	18.33	19.5	5		
10	256QAM	1	25	18.27	18.39	18.36				
10	256QAM	1	49	18.39	18.27	18.33				
10	256QAM	25	0	18.39	18.35	18.39	19.5	5		
10	256QAM	25	12	18.34	18.50	18.31				
10	256QAM	25	25	18.34	18.47	18.23				
10	256QAM	50	0	18.34	18.32	18.26				
Channel Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
				2572.5	2595	2617.5				
5	QPSK	1	0	23.38	23.39	23.37	24.5	0		
5	QPSK	1	12	23.28	23.36	23.29				
5	QPSK	1	24	23.30	23.26	23.27				
5	QPSK	12	0	22.23	22.51	22.34	23.5	1		
5	QPSK	12	7	22.29	22.36	22.35				
5	QPSK	12	13	22.31	22.30	22.27				
5	QPSK	25	0	22.43	22.48	22.46	23.5	1		
5	16QAM	1	0	22.41	22.46	22.40				
5	16QAM	1	12	22.29	22.41	22.31				
5	16QAM	1	24	22.26	22.28	22.22	22.5	2		
5	16QAM	12	0	21.25	21.43	21.29				
5	16QAM	12	7	21.28	21.41	21.24				
5	16QAM	12	13	21.34	21.32	21.22	22.5	2		
5	16QAM	25	0	21.31	21.43	21.34				
5	64QAM	1	0	21.42	21.47	21.32				
5	64QAM	1	12	21.36	21.42	21.27	22.5	2		
5	64QAM	1	24	21.21	21.33	21.22				
5	64QAM	12	0	20.35	20.54	20.37				
5	64QAM	12	7	20.31	20.50	20.25	21.5	3		
5	64QAM	12	13	20.33	20.44	20.22				
5	64QAM	25	0	20.43	20.47	20.20	19.5	5		
5	256QAM	1	0	18.23	18.36	18.26				
5	256QAM	1	12	18.33	18.34	18.33				
5	256QAM	1	24	18.30	18.25	18.24				
5	256QAM	12	0	18.44	18.38	18.33	19.5	5		
5	256QAM	12	7	18.38	18.55	18.30				
5	256QAM	12	13	18.39	18.42	18.26				
5	256QAM	25	0	18.24	18.31	18.19				

Band 42 Part 27Q Ant 3										
BW [MHz]	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	20.46	20.47	20.22	21.5	0		
20	QPSK	1	49	20.42	20.41	20.19				
20	QPSK	1	99	20.42	20.46	20.19				
20	QPSK	50	0	19.47	19.47	19.21	20.5	1		
20	QPSK	50	24	19.44	19.42	19.20				
20	QPSK	50	50	19.46	19.42	19.20				
20	QPSK	100	0	19.37	19.41	19.16	20.5	1		
20	16QAM	1	0	19.41	19.41	19.19				
20	16QAM	1	49	19.46	19.47	19.19				
20	16QAM	1	99	19.46	19.50	19.23	19.5	2		
20	16QAM	50	0	18.51	18.45	18.13				
20	16QAM	50	24	18.41	18.43	18.25				
20	16QAM	50	50	18.46	18.44	18.24	19.5	2		
20	16QAM	100	0	18.38	18.36	18.19				
20	64QAM	1	0	18.38	18.43	18.08				
20	64QAM	1	49	18.32	18.35	18.13	19.5	2		
20	64QAM	1	99	18.37	18.35	18.08				
20	64QAM	50	0	17.35	17.41	17.16				
20	64QAM	50	24	17.29	17.39	17.12	18.5	3		
20	64QAM	50	50	17.35	17.34	17.16				
20	64QAM	100	0	17.22	17.38	17.03				
20	256QAM	1	0	15.40	15.43	15.27	16.5	5		
20	256QAM	1	49	15.37	15.42	15.24				
20	256QAM	1	99	15.39	15.42	15.23				
20	256QAM	50	0	15.37	15.39	15.05	16.5	5		
20	256QAM	50	24	15.37	15.33	15.16				
20	256QAM	50	50	15.40	15.30	15.16				
20	256QAM	100	0	15.27	15.32	15.08				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.46	20.46	20.18				
15	QPSK	1	37	20.39	20.39	20.11	21.5	0		
15	QPSK	1	74	20.32	20.39	20.14				
15	QPSK	36	0	19.46	19.45	19.20				
15	QPSK	36	20	19.39	19.32	19.12	20.5	1		
15	QPSK	36	39	19.41	19.34	19.09				
15	QPSK	75	0	19.28	19.40	19.06				
15	16QAM	1	0	19.41	19.40	19.14	20.5	1		
15	16QAM	1	37	19.42	19.39	19.17				
15	16QAM	1	74	19.36	19.47	19.19				
15	16QAM	36	0	18.41	18.41	18.25	19.5	2		
15	16QAM	36	20	18.29	18.39	18.19				
15	16QAM	36	39	18.37	18.34	18.21				
15	16QAM	75	0	18.27	18.32	18.14	19.5	2		
15	64QAM	1	0	18.28	18.36	18.01				
15	64QAM	1	37	18.30	18.30	18.02				
15	64QAM	1	74	18.36	18.28	18.07	18.5	3		
15	64QAM	36	0	17.26	17.32	17.08				
15	64QAM	36	20	17.25	17.27	17.04				
15	64QAM	36	39	17.27	17.31	17.05	16.5	5		
15	64QAM	75	0	17.13	17.26	17.00				
15	256QAM	1	0	15.31	15.37	15.24				
15	256QAM	1	37	15.27	15.37	15.18	16.5	5		
15	256QAM	1	74	15.32	15.34	15.12				
15	256QAM	36	0	15.33	15.32	15.07				
15	256QAM	36	20	15.40	15.27	15.07	16.5	5		
15	256QAM	36	39	15.40	15.27	15.07				
15	256QAM	75	0	15.24	15.23	15.00				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.38	20.42	20.16				
10	QPSK	1	25	20.31	20.31	20.15	21.5	0		
10	QPSK	1	49	20.33	20.43	20.12				
10	QPSK	25	0	19.41	19.38	19.18				
10	QPSK	25	12	19.41	19.37	19.21	20.5	1		
10	QPSK	25	25	19.36	19.41	19.11				
10	QPSK	50	0	19.27	19.39	19.06				
10	16QAM	1	0	19.40	19.33	19.17	20.5	1		
10	16QAM	1	25	19.39	19.36	19.14				
10	16QAM	1	49	19.35	19.48	19.16				
10	16QAM	25	0	18.41	18.39	18.17	19.5	2		
10	16QAM	25	12	18.40	18.40	18.18				
10	16QAM	25	25	18.44	18.38	18.15				
10	16QAM	50	0	18.29	18.36	18.12	19.5	2		
10	64QAM	1	0	18.28	18.35	18.00				
10	64QAM	1	25	18.29	18.29	18.02				
10	64QAM	1	49	18.29	18.28	18.02	18.5	3		
10	64QAM	25	0	17.35	17.37	17.07				
10	64QAM	25	12	17.17	17.25	17.04				
10	64QAM	25	25	17.27	17.30	17.14	16.5	5		
10	64QAM	50	0	17.13	17.24	16.96				
10	256QAM	1	0	15.37	15.40	15.15				
10	256QAM	1	25	15.27	15.32	15.18	16.5	5		
10	256QAM	1	49	15.32	15.34	15.19				
10	256QAM	25	0	15.33	15.29	14.99				
10	256QAM	25	12	15.36	15.21	15.13	16.5	5		
10	256QAM	25	25	15.32	15.24	15.09				
10	256QAM	50	0	15.25	15.26	15.00				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.42	20.43	20.22				
5	QPSK	1	12	20.38	20.33	20.11	21.5	0		
5	QPSK	1	24	20.39	20.34	20.09				
5	QPSK	12	0	19.43	19.37	19.17				
5	QPSK	12	7	19.41	19.38	19.13	20.5	1		
5	QPSK	12	13	19.40	19.35	19.10				
5	QPSK	25	0	19.29	19.32	19.09				
5	16QAM	1	0	19.37	19.34	19.08	20.5	1		
5	16QAM	1	12	19.42	19.44	19.19				
5	16QAM	1	24	19.42	19.40	19.13				
5	16QAM	12	0	18.47	18.40	18.23	19.5	2		
5	16QAM	12	7	18.30	18.42	18.22				
5	16QAM	12	13	18.37	18.43	18.12				
5	16QAM	25	0	18.31	18.30	18.08	19.5	2		
5	64QAM	1	0	18.36	18.41	18.02				
5	64QAM	1	12	18.23	18.27	18.06				
5	64QAM	1	24	18.30	18.25	18.04	18.5	3		
5	64QAM	12	0	17.26	17.41	17.10				
5	64QAM	12	7	17.23	17.19	17.01				
5	64QAM	12	13	17.33	17.24	17.09	16.5	5		
5	64QAM	25	0	17.16	17.24	16.96				
5	256QAM	1	0	15.32	15.33	15.16				
5	256QAM	1	12	15.26	15.38	15.22	16.5	5		
5	256QAM	1	24	15.37	15.34	15.17				
5	256QAM	12	0	15.37	15.27	15.02				
5	256QAM	12	7	15.25	15.29	15.16	16.5	5		
5	256QAM	12	13	15.33	15.38	15.13				
5	256QAM	25	0	15.22	15.24	15.06				

Band 38 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.11	23.16	23.12	23.5	1	
20	QPSK	1	49	23.09	23.15	23.05			
20	QPSK	1	99	23.03	23.14	23.05	23.5	1	
20	QPSK	50	0	22.10	22.20	22.15			
20	QPSK	50	24	22.05	22.18	22.13	22.5	2	
20	QPSK	50	50	22.11	22.15	22.07			
20	QPSK	100	0	22.14	22.18	22.14	23.5	1	
20	16QAM	1	0	22.10	22.16	22.15			
20	16QAM	1	49	22.09	22.11	22.04	22.5	2	
20	16QAM	1	99	22.05	22.13	22.06			
20	16QAM	50	0	21.08	21.15	21.05	21.5	3	
20	16QAM	50	24	21.07	21.17	21.15			
20	16QAM	50	50	21.17	21.17	21.07	19.5	5	
20	16QAM	100	0	21.01	21.14	20.99			
20	64QAM	1	0	21.09	21.17	21.09	22.5	2	
20	64QAM	1	49	21.05	21.14	21.03			
20	64QAM	1	99	21.08	21.11	21.07	21.5	3	
20	64QAM	50	0	20.12	20.17	20.08			
20	64QAM	50	24	20.08	20.24	20.11	19.5	5	
20	64QAM	50	50	20.16	20.16	20.11			
20	64QAM	100	0	19.97	20.14	20.05	22.5	2	
20	256QAM	1	0	18.05	18.20	18.06			
20	256QAM	1	49	18.10	18.18	18.04	19.5	5	
20	256QAM	1	99	18.04	18.11	18.00			
20	256QAM	50	0	18.08	18.19	18.04	19.5	5	
20	256QAM	50	24	18.05	18.14	18.12			
20	256QAM	50	50	18.06	18.17	18.04	22.5	2	
20	256QAM	100	0	18.02	18.18	18.08			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24.5	0	
15	QPSK	1	0	23.09	23.14	23.02	23.5	1	
15	QPSK	1	37	23.08	23.08	23.02			
15	QPSK	1	74	22.92	23.10	23.03	23.5	1	
15	QPSK	36	0	22.02	22.09	22.07			
15	QPSK	36	20	21.98	22.07	22.12	23.5	1	
15	QPSK	36	39	22.10	22.15	22.02			
15	QPSK	75	0	22.11	22.12	22.05	23.5	1	
15	16QAM	1	0	21.99	22.06	22.10			
15	16QAM	1	37	22.09	22.07	21.98	22.5	2	
15	16QAM	1	74	21.96	22.10	21.98			
15	16QAM	36	0	21.05	21.10	20.99	22.5	2	
15	16QAM	36	20	21.05	21.12	21.06			
15	16QAM	36	39	21.12	21.11	21.02	21.5	3	
15	16QAM	75	0	20.97	21.03	20.91			
15	64QAM	1	0	21.02	21.10	21.03	22.5	2	
15	64QAM	1	37	20.95	21.08	21.02			
15	64QAM	1	74	21.02	21.09	20.99	21.5	3	
15	64QAM	36	0	20.07	20.13	19.99			
15	64QAM	36	20	20.06	20.12	20.07	19.5	5	
15	64QAM	36	39	20.16	20.06	20.05			
15	64QAM	75	0	19.85	20.11	20.02	19.5	5	
15	256QAM	1	0	17.96	18.12	18.04			
15	256QAM	1	37	18.01	18.11	17.99	22.5	2	
15	256QAM	1	74	18.04	18.03	17.93			
15	256QAM	36	0	18.06	18.19	17.95	19.5	5	
15	256QAM	36	20	18.04	18.09	18.12			
15	256QAM	36	39	18.05	18.15	18.03	22.5	2	
15	256QAM	75	0	17.99	18.13	17.99			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24.5 <td colspan="2">0</td>	0	
10	QPSK	1	0	23.10	23.14	23.10	23.5	1	
10	QPSK	1	25	23.00	23.09	22.95			
10	QPSK	1	49	22.93	23.12	22.99	23.5	1	
10	QPSK	25	0	22.09	22.16	22.10			
10	QPSK	25	12	21.96	22.07	22.04	23.5	1	
10	QPSK	25	25	22.05	22.13	22.05			
10	QPSK	50	0	22.13	22.13	22.13	23.5	1	
10	16QAM	1	0	22.04	22.14	22.13			
10	16QAM	1	25	22.07	22.05	22.01	22.5	2	
10	16QAM	1	49	21.96	22.04	22.01			
10	16QAM	25	0	21.00	21.14	20.99	22.5	2	
10	16QAM	25	12	21.00	21.11	21.11			
10	16QAM	25	25	21.05	21.15	21.01	21.5	3	
10	16QAM	50	0	20.98	21.11	20.92			
10	64QAM	1	0	21.02	21.16	21.09	22.5	2	
10	64QAM	1	25	20.96	21.12	20.97			
10	64QAM	1	49	21.05	21.01	20.99	21.5	3	
10	64QAM	25	0	20.10	20.06	20.06			
10	64QAM	25	12	20.02	20.16	20.06	19.5	5	
10	64QAM	25	25	20.05	20.13	20.10			
10	64QAM	50	0	19.91	20.04	19.94	19.5	5	
10	256QAM	1	0	17.99	18.09	18.01			
10	256QAM	1	25	18.03	18.11	18.01	22.5	2	
10	256QAM	1	49	18.03	18.05	17.94			
10	256QAM	25	0	17.96	18.10	18.02	19.5	5	
10	256QAM	25	12	18.03	18.05	18.08			
10	256QAM	25	25	17.97	18.06	17.95	22.5	2	
10	256QAM	50	0	17.99	18.15	17.99			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24.5 <td colspan="2">0</td>	0	
5	QPSK	1	0	23.04	23.14	23.03	23.5	1	
5	QPSK	1	12	23.07	23.08	23.03			
5	QPSK	1	24	23.01	23.06	22.94	23.5	1	
5	QPSK	12	0	22.05	22.14	22.12			
5	QPSK	12	7	21.99	22.12	22.12	23.5	1	
5	QPSK	12	13	22.06	22.05	22.02			
5	QPSK	25	0	22.02	22.15	22.11	23.5	1	
5	16QAM	1	0	22.02	22.11	22.12			
5	16QAM	1	12	22.09	22.01	22.00	22.5	2	
5	16QAM	1	24	21.97	22.06	22.03			
5	16QAM	12	0	20.99	21.06	20.94	21.5	3	
5	16QAM	12	7	20.99	21.12	21.07			
5	16QAM	12	13	21.08	21.10	21.05	22.5	2	
5	16QAM	25	0	20.91	21.09	20.88			
5	64QAM	1	0	21.04	21.16	20.98	22.5	2	
5	64QAM	1	12	21.03	21.09	20.96			
5	64QAM	1	24	21.03	21.08	21.04	21.5	3	
5	64QAM	12	0	20.09	20.07	20.06			
5	64QAM	12	7	19.96	20.18	20.01	19.5	5	
5	64QAM	12	13	20.13	20.09	20.05			
5	64QAM	25	0	19.89	20.08	20.00	19.5	5	
5	256QAM	1	0	18.05	18.11	18.06			
5	256QAM	1	12	18.05	18.11	18.03	19.5	5	
5	256QAM	1	24	17.99	18.07	17.92			
5	256QAM	12	0	18.07	18.10	17.92	19.5	5	
5	256QAM	12	7	18.00	18.03	18.10			
5	256QAM	12	13	17.94	18.10	17.94	22.5	2	
5	256QAM	25	0	17.93	18.12	18.03			

Band 42 Part 27Q 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				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.56	24.59	24.54	25.5	0	
20	QPSK	1	49	24.54	24.57	24.51			
20	QPSK	1	99	24.52	24.56	24.49	24.5	1	
20	QPSK	50	0	23.53	23.57	23.52			
20	QPSK	50	24	23.57	23.56	23.57	24.5	1	
20	QPSK	50	50	23.54	23.55	23.45			
20	QPSK	100	0	23.52	23.55	23.54	24.5	1	
20	16QAM	1	0	23.53	23.57	23.52			
20	16QAM	1	49	23.56	23.58	23.46	23.5	2	
20	16QAM	1	99	23.52	23.60	23.46			
20	16QAM	50	0	22.48	22.56	22.51	23.5	2	
20	16QAM	50	24	22.52	22.50	22.51			
20	16QAM	50	50	22.59	22.52	22.48	23.5	2	
20	16QAM	100	0	22.47	22.56	22.53			
20	64QAM	1	0	22.53	22.56	22.57	23.5	2	
20	64QAM	1	49	22.50	22.56	22.50			
20	64QAM	1	99	22.51	22.60	22.45	22.5	3	
20	64QAM	50	0	21.58	21.61	21.53			
20	64QAM	50	24	21.54	21.58	21.59	20.5	5	
20	64QAM	50	50	21.56	21.61	21.41			
20	64QAM	100	0	21.55	21.52	21.55	20.5	5	
20	256QAM	1	0	19.55	19.56	19.49			
20	256QAM	1	49	19.54	19.56	19.53	20.5	5	
20	256QAM	1	99	19.54	19.61	19.48			
20	256QAM	50	0	19.57	19.59	19.52	20.5	5	
20	256QAM	50	24	19.52	19.54	19.61			
20	256QAM	50	50	19.53	19.56	19.48	20.5	5	
20	256QAM	100	0	19.55	19.57	19.56			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3522.5			
15	QPSK	1	0	24.46	24.56	24.47	25.5	0	
15	QPSK	1	37	24.46	24.47	24.39			
15	QPSK	1	74	24.40	24.48	24.48	24.5	1	
15	QPSK	36	0	23.44	23.45	23.51			
15	QPSK	36	20	23.52	23.49	23.54	24.5	1	
15	QPSK	36	39	23.49	23.45	23.41			
15	QPSK	75	0	23.40	23.46	23.46	24.5	1	
15	16QAM	1	0	23.46	23.56	23.40			
15	16QAM	1	37	23.48	23.47	23.36	23.5	2	
15	16QAM	1	74	23.49	23.50	23.36			
15	16QAM	36	0	22.36	22.50	22.47	23.5	2	
15	16QAM	36	20	22.51	22.46	22.49			
15	16QAM	36	39	22.48	22.50	22.42	23.5	2	
15	16QAM	75	0	22.45	22.51	22.46			
15	64QAM	1	0	22.50	22.51	22.46	23.5	2	
15	64QAM	1	37	22.40	22.46	22.47			
15	64QAM	1	74	22.46	22.51	22.43	22.5	3	
15	64QAM	36	0	21.51	21.59	21.52			
15	64QAM	36	20	21.47	21.46	21.57	20.5	5	
15	64QAM	36	39	21.51	21.54	21.33			
15	64QAM	75	0	21.50	21.45	21.48	20.5	5	
15	256QAM	1	0	19.52	19.51	19.41			
15	256QAM	1	37	19.43	19.56	19.51	20.5	5	
15	256QAM	1	74	19.46	19.60	19.42			
15	256QAM	36	0	19.56	19.57	19.40	20.5	5	
15	256QAM	36	20	19.46	19.45	19.57			
15	256QAM	36	39	19.50	19.50	19.40	20.5	5	
15	256QAM	75	0	19.51	19.51	19.45			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.51	24.58	24.43	25.5	0	
10	QPSK	1	25	24.47	24.50	24.43			
10	QPSK	1	49	24.49	24.55	24.41	24.5	1	
10	QPSK	25	0	23.44	23.56	23.45			
10	QPSK	25	12	23.52	23.45	23.50	24.5	1	
10	QPSK	25	25	23.49	23.50	23.43			
10	QPSK	50	0	23.44	23.53	23.50	24.5	1	
10	16QAM	1	0	23.49	23.45	23.44			
10	16QAM	1	25	23.52	23.47	23.45	23.5	2	
10	16QAM	1	49	23.40	23.60	23.44			
10	16QAM	25	0	22.44	22.55	22.48	23.5	2	
10	16QAM	25	12	22.44	22.39	22.46			
10	16QAM	25	25	22.56	22.49	22.41	23.5	2	
10	16QAM	50	0	22.41	22.54	22.51			
10	64QAM	1	0	22.48	22.54	22.50	23.5	2	
10	64QAM	1	25	22.49	22.49	22.46			
10	64QAM	1	49	22.41	22.56	22.36	22.5	3	
10	64QAM	25	0	21.55	21.57	21.48			
10	64QAM	25	12	21.49	21.54	21.51	20.5	5	
10	64QAM	25	25	21.49	21.50	21.30			
10	64QAM	50	0	21.43	21.47	21.49	20.5	5	
10	256QAM	1	0	19.45	19.52	19.42			
10	256QAM	1	25	19.50	19.53	19.45	20.5	5	
10	256QAM	1	49	19.53	19.51	19.37			
10	256QAM	25	0	19.49	19.52	19.47	20.5	5	
10	256QAM	25	12	19.44	19.44	19.50			
10	256QAM	25	25	19.46	19.48	19.43	20.5	5	
10	256QAM	50	0	19.49	19.55	19.52			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3577.5			
5	QPSK	1	0	24.50	24.54	24.49	25.5	0	
5	QPSK	1	12	24.44	24.54	24.47			
5	QPSK	1	24	24.50	24.52	24.39	24.5	1	
5	QPSK	12	0	23.44	23.46	23.44			
5	QPSK	12	7	23.45	23.45	23.46	24.5	1	
5	QPSK	12	13	23.46	23.45	23.38			
5	QPSK	25	0	23.43	23.49	23.50	24.5	1	
5	16QAM	1	0	23.53	23.51	23.42			
5	16QAM	1	12	23.54	23.48	23.37	23.5	2	
5	16QAM	1	24	23.44	23.59	23.38			
5	16QAM	12	0	22.45	22.48	22.44	23.5	2	
5	16QAM	12	7	22.45	22.45	22.48			
5	16QAM	12	13	22.47	22.50	22.42	23.5	2	
5	16QAM	25	0	22.36	22.51	22.44			
5	64QAM	1	0	22.48	22.49	22.53	23.5	2	
5	64QAM	1	12	22.42	22.53	22.47			
5	64QAM	1	24	22.45	22.49	22.42	22.5	3	
5	64QAM	12	0	21.50	21.57	21.45			
5	64QAM	12	7	21.52	21.54	21.57	20.5	5	
5	64QAM	12	13	21.48	21.54	21.30			
5	64QAM	25	0	21.54	21.45	21.47	20.5	5	
5	256QAM	1	0	19.47	19.44	19.38			
5	256QAM	1	12	19.52	19.55	19.51	20.5	5	
5	256QAM	1	24	19.52	19.59	19.40			
5	256QAM	12	0	19.51	19.53	19.44	20.5	5	
5	256QAM	12	7	19.40	19.42	19.59			
5	256QAM	12	13	19.42	19.46	19.39	20.5	5	
5	256QAM	25	0	19.55	19.45	19.54			

Band 48 Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3550	3600	3641	3691			
20	QPSK	1	0	22.15	22.23	22.20	22.16			
20	QPSK	1	49	22.05	22.16	22.12	22.06	23.5	0	
20	QPSK	1	99	22.03	22.12	22.16	22.10			
20	QPSK	50	0	21.18	21.25	21.15	21.16			
20	QPSK	50	24	21.06	21.12	21.17	21.06	22.5	1	
20	QPSK	50	24	21.02	21.15	21.15	21.05			
20	QPSK	100	0	21.11	21.21	21.19	21.19			
20	16QAM	1	0	21.19	21.18	21.24	21.21			
20	16QAM	1	49	21.03	21.17	21.08	21.01	22.5	1	
20	16QAM	1	99	21.00	21.17	21.22	21.15			
20	16QAM	50	0	20.16	20.22	20.15	20.13			
20	16QAM	50	24	20.03	20.15	20.15	20.08	21.5	2	
20	16QAM	50	50	19.97	20.20	20.17	20.01			
20	16QAM	100	0	20.14	20.20	20.24	20.14			
20	64QAM	1	0	20.19	20.13	20.26	20.17			
20	64QAM	1	49	20.07	20.14	20.12	19.96	21.5	2	
20	64QAM	1	99	19.99	19.92	20.14	20.26	20.17		
20	64QAM	50	0	19.17	19.23	19.18	19.13			
20	64QAM	50	24	19.00	19.11	19.20	19.02	20.5	3	
20	64QAM	50	50	19.01	19.12	19.25	19.07			
20	64QAM	100	0	19.08	19.16	19.20	19.13			
20	256QAM	1	0	17.17	17.27	17.26	17.15	18.5	5	
20	256QAM	1	49	17.06	17.13	17.15	17.04			
20	256QAM	1	99	16.98	17.20	17.17	17.00			
20	256QAM	50	0	17.10	17.22	17.20	17.21			
20	256QAM	50	24	17.25	17.24	17.24	17.14	18.5	5	
20	256QAM	50	50	16.99	17.18	17.03	17.04			
20	256QAM	100	0	16.99	17.25	17.25	17.10			
Channel				55315	56030	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3597.5	3608	3642	3692.5			
15	QPSK	1	0	22.04	22.20	22.10	22.10			
15	QPSK	1	37	22.02	22.13	21.99	21.97	23.5	0	
15	QPSK	1	74	21.90	22.01	22.07	22.02			
15	QPSK	36	0	21.13	21.19	21.15	21.15	22.5	1	
15	QPSK	36	20	21.02	21.08	21.14	20.96			
15	QPSK	36	39	20.89	21.03	21.19	20.94			
15	QPSK	75	0	21.04	21.15	21.16	21.05			
15	16QAM	1	0	21.07	21.16	21.20	21.08			
15	16QAM	1	37	20.96	21.06	21.07	20.95	22.5	1	
15	16QAM	1	74	20.91	21.10	21.16	21.04			
15	16QAM	36	0	20.06	20.11	20.08	20.08			
15	16QAM	36	20	19.92	20.03	20.01	19.98	21.5	2	
15	16QAM	36	39	19.89	20.13	20.08	19.93			
15	16QAM	75	0	20.11	20.06	20.21	20.01			
15	64QAM	1	0	20.16	20.03	20.19	20.09	21.5	2	
15	64QAM	1	37	19.98	20.09	20.03	19.91			
15	64QAM	1	74	19.90	20.01					

Reduced Power Mode for Main PA DSI1

GSM850 Ant 1 DSI1	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	32.29	32.28	33.50	23.26	23.29	23.28	24.50
GPRS 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slots	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slots	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slots	26.63	26.87	26.73	30.00	25.63	25.87	25.73	27.00
EDGE 1 Tx slot	26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 2 Tx slots	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slots	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slots	20.63	20.98	20.94	22.00	17.83	17.98	17.94	19.00

GSM1900 Ant 1 DSI1	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	29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slots	26.46	26.47	26.36	29.50	22.46	22.47	22.36	23.50
GPRS 3 Tx slots	26.74	26.73	26.67	28.00	22.48	22.47	22.41	23.74
GPRS 4 Tx slots	25.60	25.61	25.59	27.00	22.60	22.61	22.59	24.00
EDGE 1 Tx slot	25.84	25.90	25.81	27.00	16.84	16.90	16.81	18.00
EDGE 2 Tx slots	22.85	22.88	22.80	24.00	16.85	16.88	16.80	18.00
EDGE 3 Tx slots	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slots	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band		WCDMA II Ant 1 DSI1			Tune-up Limit (dBm)	WCDMA IV Ant 1 DSI1			Tune-up Limit (dBm)	WCDMA V Ant 1 DSI1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.8	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.88	22.94	22.83	24.00	23.83	23.89	23.80	25.00	24.38	24.46	24.35	25.50
3GPP Rel 99	AMR 12.2Kbps	22.91	22.98	22.93	24.00	23.91	23.96	23.92	25.00	24.48	24.50	24.44	25.50
3GPP Rel 6	HSDPA Subtest-1	21.92	21.96	21.87	23.00	22.91	22.91	22.94	24.00	23.52	23.54	23.46	24.50
3GPP Rel 6	HSDPA Subtest-2	21.88	21.96	21.97	23.00	22.93	22.93	22.94	24.00	23.50	23.47	23.43	24.50
3GPP Rel 6	HSDPA Subtest-3	21.36	21.43	21.47	22.50	22.38	22.45	22.38	23.50	22.94	23.01	22.90	24.00
3GPP Rel 6	HSDPA Subtest-4	21.37	21.53	21.43	22.50	22.46	22.47	22.40	23.50	23.01	22.98	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.89	22.04	21.88	23.00	22.89	23.02	22.91	24.00	23.46	23.56	23.41	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.90	22.01	21.94	23.00	22.94	22.98	22.96	24.00	23.47	23.53	23.48	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.38	21.44	21.45	22.50	22.40	22.51	22.45	23.50	23.01	23.04	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.46	21.48	21.45	22.50	22.42	22.41	22.46	23.50	23.01	23.01	22.97	24.00
3GPP Rel 6	HSUPA Subtest-1	21.87	22.02	21.99	23.00	22.95	22.98	22.95	24.00	23.49	23.52	23.42	24.50
3GPP Rel 6	HSUPA Subtest-2	19.88	19.99	19.98	21.00	20.96	20.95	20.94	22.00	21.48	21.50	21.41	22.50
3GPP Rel 6	HSUPA Subtest-3	20.96	21.03	20.94	22.00	21.90	21.93	21.89	23.00	22.51	22.48	22.38	23.50
3GPP Rel 6	HSUPA Subtest-4	19.86	19.93	19.88	21.00	20.88	20.99	20.91	22.00	21.46	21.51	21.45	22.50
3GPP Rel 6	HSUPA Subtest-5	21.91	22.00	21.96	23.00	22.92	22.98	22.95	24.00	23.45	23.49	23.49	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.38	19.49	19.46	20.50	20.38	20.42	20.39	21.50	20.96	21.01	20.97	22.00



Band 2 Ant 1 DS1i												
BW (MHz)	Modulation	RB Size	RB Offset	Power Min Ch./F.Freq.	Power Max Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up Time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.95	22.98	22.92			24	0		
20	QPSK	1	6	22.95	22.98	22.92						
20	QPSK	1	96	22.88	22.95	22.80			23	1		
20	QPSK	50	0	21.93	22.00	21.97						
20	QPSK	50	6	21.93	21.98	21.88			23	1		
20	QPSK	50	50	21.83	21.90	21.84						
20	QPSK	100	0	21.92	21.98	21.89			23	1		
20	QPSK	100	6	21.84	21.94	21.87						
20	QPSK	1	49	21.82	21.87	21.84			22	2		
20	QPSK	1	99	21.80	21.89	21.77						
20	QPSK	50	0	20.95	21.01	21.00			21	3		
20	QPSK	50	24	20.87	21.00	20.88						
20	QPSK	50	50	20.78	21.04	20.80			21	3		
20	QPSK	100	0	20.87	20.99	20.88						
20	QPSK	1	0	20.80	20.96	20.90			22	2		
20	QPSK	1	49	20.79	20.85	20.80						
20	QPSK	50	0	19.80	20.03	19.82			21	3		
20	QPSK	50	24	19.80	19.95	19.83						
20	QPSK	50	50	19.81	20.00	19.85			21	3		
20	QPSK	100	0	19.91	19.95	19.95						
20	QPSK	1	0	17.87	17.90	17.87			19	5		
20	QPSK	1	49	17.78	17.90	17.85						
20	QPSK	1	99	17.82	18.00	17.82			19	5		
20	QPSK	50	0	17.80	17.90	17.90						
20	QPSK	50	50	17.82	17.93	17.85			19	5		
20	QPSK	100	0	17.80	17.93	17.85						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.82	22.83	22.88			24	0		
15	QPSK	1	6	22.82	22.83	22.77						
15	QPSK	1	74	22.84	22.82	22.88			23	1		
15	QPSK	36	0	21.82	21.85	21.88						
15	QPSK	36	6	21.74	21.89	21.84			23	1		
15	QPSK	36	96	21.78	21.88	21.78						
15	QPSK	75	0	21.80	21.84	21.75			23	1		
15	QPSK	75	0	21.80	21.84	21.78						
15	QPSK	1	37	21.71	21.85	21.76			22	2		
15	QPSK	36	0	20.77	20.87	20.75						
15	QPSK	36	6	20.78	20.88	20.84			22	2		
15	QPSK	36	24	20.76	20.87	20.82						
15	QPSK	75	0	20.70	20.88	20.85			22	2		
15	QPSK	75	0	20.70	20.88	20.75						
15	QPSK	1	74	20.77	20.82	20.74			21	3		
15	QPSK	36	0	19.85	19.91	19.86						
15	QPSK	36	6	19.83	19.94	19.74			21	3		
15	QPSK	36	96	19.87	19.95	19.70						
15	QPSK	75	0	19.77	19.91	19.82			21	3		
15	QPSK	75	0	19.76	19.86	19.76						
15	QPSK	1	37	17.88	17.82	17.81			19	5		
15	QPSK	1	74	17.89	17.88	17.75						
15	QPSK	36	0	17.86	17.88	17.86			19	5		
15	QPSK	36	24	17.80	17.83	17.78						
15	QPSK	36	96	17.88	17.85	17.78			19	5		
15	QPSK	75	0	17.80	17.83	17.72						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.83	22.84	22.81			24	0		
10	QPSK	1	26	22.74	22.80	22.81						
10	QPSK	1	49	22.82	22.82	22.73			23	1		
10	QPSK	25	0	21.81	21.84	21.80						
10	QPSK	25	12	21.71	21.84	21.80			23	1		
10	QPSK	25	25	21.70	21.86	21.72						
10	QPSK	1	0	21.81	21.86	21.83			23	1		
10	QPSK	1	26	21.72	21.82	21.81						
10	QPSK	1	49	20.85	20.96	20.95			22	2		
10	QPSK	25	12	20.74	20.92	20.85						
10	QPSK	25	25	20.74	21.00	20.71			22	2		
10	QPSK	50	0	20.70	20.89	20.77						
10	QPSK	1	0	19.80	20.03	19.74			21	3		
10	QPSK	1	49	20.72	20.78	20.70						
10	QPSK	25	0	19.93	19.91	19.90			21	3		
10	QPSK	25	12	19.73	19.93	19.80						
10	QPSK	25	25	19.75	19.98	19.74			21	3		
10	QPSK	50	0	19.82	19.90	19.88						
10	QPSK	1	26	17.83	17.85	17.80			19	5		
10	QPSK	1	49	17.77	17.78	17.72						
10	QPSK	25	12	17.69	17.82	17.70			19	5		
10	QPSK	25	25	17.67	17.80	17.77						
10	QPSK	50	0	17.77	17.79	17.65			19	5		
10	QPSK	50	12	17.69	17.80	17.65						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.83	22.85	22.78			24	0		
5	QPSK	1	12	22.78	22.84	22.74						
5	QPSK	1	24	22.86	22.82	22.88			23	1		
5	QPSK	1	36	21.84	21.87	21.80						
5	QPSK	12	7	21.75	21.82	21.80			23	1		
5	QPSK	12	13	21.73	21.90	21.80						
5	QPSK	1	0	21.86	21.87	21.78			23	1		
5	QPSK	1	12	21.78	21.80	21.72						
5	QPSK	1	24	20.85	20.96	20.95			22	2		
5	QPSK	12	7	20.70	20.87	20.80						
5	QPSK	12	13	20.70	20.92	20.67			22	2		
5	QPSK	25	0	20.85	20.91	20.88						
5	QPSK	1	0	20.70	20.87	20.80			21	3		
5	QPSK	1	12	20.68	20.91	20.87						
5	QPSK	1	24	20.74	20.71	20.80			21	3		
5	QPSK	12	0	19.94	19.93	19.90						
5	QPSK	12	6	19.75	19.91	19.80			21	3		
5	QPSK	12	13	19.74	19.90	19.76						
5	QPSK	25	0	19.88	19.88	19.88			21	3		
5	QPSK	25	6	19.80	19.91	19.70						
5	QPSK	25	12	17.70	17.84	17.82			19	5		
5	QPSK	25	24	17.75	17.84	17.72						
5	QPSK	50	0	17.75	17.86	17.72			19	5		
5	QPSK	50	12	17.76	17.80	17.70						
5	QPSK	50	25	17.80	17.77	17.65			19	5		
5	QPSK	50	50	17.80	17.77	17.65						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.83	22.85	22.78			24	0		
3	QPSK	1	6	22.72	22.86	22.72						
3	QPSK	1	14	22.78	22.87	22.76			23	1		
3	QPSK	1	22	21.80	21.88	21.80						
3	QPSK	8	4	21.73	21.86	21.82			23	1		
3	QPSK	8	7	21.79	21.85	21.74						
3	QPSK	1	0	21.86	21.88	21.78			23	1		
3	QPSK	1	6	21.70	21.86	21.80						
3	QPSK	1	14	21.72	21.83	21.72			23	1		
3	QPSK	1	22	21.68	21.85	21.74						
3	QPSK	1	26	20.80	20.90	20.98			22	2		
3	QPSK	8	4	20.74	20.97	20.83						
3	QPSK	8	7	20.68	20.91	20.87			22	2		
3	QPSK	16	0	20.74	20.88	20.81						
3	QPSK	1	0	20.71	20.81	20.68						

Band 12 Ant 1 DS11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.30	24.45	24.37			25.5	0		
10	QPSK	1	25	24.30	24.42	24.24						
10	QPSK	1	49	24.31	24.34	24.25			24.5	1		
10	QPSK	25	0	23.42	23.40	23.37						
10	QPSK	25	12	23.32	23.40	23.26			24.5	1		
10	QPSK	25	25	23.34	23.37	23.20						
10	16QAM	1	0	23.37	23.40	23.40			24.5	1		
10	16QAM	1	25	23.40	23.40	23.28						
10	16QAM	1	49	23.35	23.38	23.25			23.5	2		
10	16QAM	25	0	22.47	22.51	22.32						
10	16QAM	25	12	22.33	22.42	22.23			23.5	2		
10	16QAM	25	25	22.49	22.57	22.28						
10	64QAM	1	0	22.30	22.45	22.31			23.5	2		
10	64QAM	1	25	22.42	22.51	22.28						
10	64QAM	1	49	22.36	22.25	22.23			22.5	3		
10	64QAM	25	0	21.41	21.48	21.34						
10	64QAM	25	12	21.28	21.36	21.24			22.5	3		
10	64QAM	25	25	21.35	21.38	21.17						
10	64QAM	50	0	21.29	21.45	21.34			20.5	5		
10	256QAM	1	0	19.44	19.43	19.42						
10	256QAM	1	25	19.30	19.40	19.27			20.5	5		
10	256QAM	25	12	19.35	19.39	19.34						
10	256QAM	25	25	19.41	19.45	19.28			20.5	5		
10	256QAM	50	0	19.34	19.30	19.26						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.35	24.43	24.29			25.5	0		
5	QPSK	1	24	24.31	24.37	24.12						
5	QPSK	12	0	23.38	23.31	23.27			24.5	1		
5	QPSK	12	7	23.39	23.30	23.15						
5	QPSK	12	13	23.31	23.28	23.13			24.5	1		
5	QPSK	25	0	23.22	23.34	23.32						
5	16QAM	1	0	23.36	23.34	23.36			24.5	1		
5	16QAM	1	12	23.30	23.27	23.15						
5	16QAM	12	0	22.37	22.34	22.23			23.5	2		
5	16QAM	12	13	22.30	22.33	22.16						
5	16QAM	25	0	22.22	22.41	22.26			23.5	2		
5	64QAM	1	0	22.28	22.34	22.23						
5	64QAM	1	24	22.25	22.21	22.17			22.5	3		
5	64QAM	12	7	21.38	21.42	21.15						
5	64QAM	12	13	21.33	21.27	21.13			20.5	5		
5	64QAM	25	0	21.28	21.33	21.25						
5	256QAM	1	0	19.41	19.23	19.20			20.5	5		
5	256QAM	1	12	19.28	19.31	19.23						
5	256QAM	1	24	19.32	19.24	19.25			20.5	5		
5	256QAM	12	0	19.32	19.28	19.27						
5	256QAM	12	13	19.38	19.36	19.13			20.5	5		
5	256QAM	25	0	19.36	19.35	19.15						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.32	24.43	24.29			25.5	0		
3	QPSK	1	14	24.21	24.32	24.20						
3	QPSK	8	0	23.39	23.32	23.26			24.5	1		
3	QPSK	8	7	23.27	23.36	23.21						
3	QPSK	8	4	23.25	23.30	23.14			24.5	1		
3	QPSK	15	0	23.21	23.33	23.25						
3	16QAM	1	0	23.32	23.34	23.34			24.5	1		
3	16QAM	1	8	23.30	23.27	23.25						
3	16QAM	8	0	22.33	22.30	22.25			23.5	2		
3	16QAM	8	4	22.29	22.30	22.18						
3	16QAM	16	0	22.21	22.40	22.25			23.5	2		
3	16QAM	16	0	22.27	22.30	22.25						
3	64QAM	1	0	22.28	22.27	22.15			22.5	3		
3	64QAM	1	14	22.29	22.18	22.11						
3	64QAM	8	0	21.39	21.44	21.32			22.5	3		
3	64QAM	8	4	21.22	21.24	21.20						
3	64QAM	8	7	21.26	21.30	21.10			20.5	5		
3	64QAM	15	0	21.16	21.25	21.28						
3	256QAM	1	0	19.30	19.45	19.40			20.5	5		
3	256QAM	1	8	19.22	19.29	19.18						
3	256QAM	1	14	19.37	19.25	19.19			20.5	5		
3	256QAM	8	0	19.24	19.38	19.31						
3	256QAM	8	4	19.28	19.27	19.27			20.5	5		
3	256QAM	8	7	19.34	19.41	19.14						
3	256QAM	15	0	19.24	19.24	19.21			20.5	5		
3	256QAM	15	0	19.21	19.15	19.16						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.32	24.33	24.13			25.5	0		
1.4	QPSK	1	3	24.24	24.31	24.13						
1.4	QPSK	1	5	24.38	24.24	24.12			24.5	1		
1.4	QPSK	3	0	24.22	24.24	24.32						
1.4	QPSK	3	1	24.17	24.26	24.07			24.5	1		
1.4	QPSK	3	3	24.25	24.15	24.05						
1.4	16QAM	1	0	23.38	23.32	23.32			24.5	1		
1.4	16QAM	1	0	23.28	23.31	23.36						
1.4	16QAM	1	3	23.30	23.30	23.19			23.5	2		
1.4	16QAM	3	0	23.24	23.25	23.19						
1.4	16QAM	3	1	23.15	23.29	23.21			23.5	2		
1.4	16QAM	3	1	23.14	23.28	23.28						
1.4	64QAM	1	0	22.25	22.38	22.28			22.5	3		
1.4	64QAM	1	5	22.35	22.22	22.19						
1.4	64QAM	1	6	22.31	22.17	22.15			20.5	5		
1.4	64QAM	3	0	22.08	22.29	22.09						
1.4	64QAM	3	0	22.18	22.32	22.15			20.5	5		
1.4	64QAM	3	3	22.23	22.12	22.15						
1.4	64QAM	6	0	21.19	21.32	21.27			22.5	3		
1.4	256QAM	1	0	19.40	19.38	19.31						
1.4	256QAM	1	3	19.19	19.37	19.17			20.5	5		
1.4	256QAM	1	5	19.25	19.26	19.24						
1.4	256QAM	3	1	19.24	19.36	19.22			20.5	5		
1.4	256QAM	3	0	19.39	19.41	19.14						
1.4	256QAM	6	0	19.21	19.15	19.16			20.5	5		
1.4	256QAM	6	0	19.21	19.15	19.16						

Band 13 Ant 1 DS11										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.49			25.5	0		
10	QPSK	1	25	24.38						
10	QPSK	1	49	24.37						
10	QPSK	25	0	23.46						
10	QPSK	25	12	23.42			24.5	1		
10	QPSK	25	25	23.34						
10	QPSK	50	0	23.41						
10	16QAM	1	0	23.34						
10	16QAM	1	25	23.42			24.5	1		
10	16QAM	1	49	23.32						
10	16QAM	25	0	22.43						
10	16QAM	25	25	22.38						
10	16QAM	50	0	22.48			23.5	2		
10	16QAM	50	25	22.43						
10	16QAM	1	25	22.33						
10	16QAM	1	49	22.27						
10	16QAM	25	0	21.44			23.5	2		
10	16QAM	25	12	21.31						
10	16QAM	25	25	21.30						
10	16QAM	50	0	21.40						
10	256QAM	1	0	19.40			20.5	5		
10	256QAM	1	25	19.43						
10	256QAM	1	49	19.32						
10	256QAM	25	0	18.40						
10	256QAM	25	12	18.40			20.5	5		
10	256QAM	25	25	18.39						
10	256QAM	50	0	18.33						
10	256QAM	50	25	18.33						
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.05	23.95	23.95	25.5	0		
5	QPSK	1	12	24.33	24.30	24.35				
5	QPSK	1	24	24.29	24.24	24.34				
5	QPSK	12	0	23.39	23.34	23.45				
5	QPSK	12	7	23.33	23.29	23.38	24.5	1		
5	QPSK	12	11	23.24	23.20	23.29				
5	QPSK	25	0	23.27	23.21	23.28				
5	16QAM	1	0	23.21	23.24	23.29				
5	16QAM	1	12	23.34	23.36	23.36	24.5	1		
5	16QAM	1	24	23.25	23.19	23.24				
5	16QAM	12	0	22.29	22.33	22.38				
5	16QAM	12	7	22.37	22.33	22.36				
5	16QAM	12	13	22.33	22.33	22.27	23.5	2		
5	16QAM	25	0	22.43	22.41	22.43				
5	16QAM	25	12	22.37	22.32	22.31				
5	16QAM	1	12	22.25	22.29	22.21				
5	16QAM	1	24	22.22	22.17	22.19	23.5	2		
5	16QAM	12	0	21.33	21.32	21.36				
5	16QAM	12	7	21.24	21.20	21.18				
5	16QAM	12	13	21.24	21.18	21.24				
5	16QAM	25	0	21.18	21.15	21.16	22.5	3		
5	256QAM	1	0	19.38	19.32	19.26				
5	256QAM	1	12	19.38	19.36	19.31				
5	256QAM	1	24	19.35	19.35	19.30				
5	256QAM	12	0	19.31	19.25	19.21	20.5	5		
5	256QAM	12	7	19.37	19.25	19.28				
5	256QAM	12	13	19.37	19.40	19.43				
5	256QAM	25	0	19.27	19.30	19.27				

Band 66 Ant 1 DSI1												
Ref (MHz)	Modulation	RB Size	RB Chn#	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-slot (ms)	APR (dB)				
Channel												
Frequency (MHz)				130474	130492	130492						
15	QPSK	1	5	23.83	23.34	23.33						
15	QPSK	1	6	23.83	23.34	23.33						
15	QPSK	1	96	23.73	23.88	23.78			25	0		
15	QPSK	50	5	22.63	22.98	22.87						
15	QPSK	50	24	22.83	22.64	22.82						
15	QPSK	50	50	22.64	22.84	22.77			24	1		
20	QPSK	100	0	22.64	22.84	22.74						
20	QPSK	100	50	22.83	22.64	22.82						
20	16QAM	1	49	22.77	22.78	22.78			24	1		
20	16QAM	1	99	22.77	22.80	22.75						
20	16QAM	50	24	21.78	21.83	21.83						
20	16QAM	50	24	21.80	21.77	21.75			23	2		
20	16QAM	1	0	21.85	21.84	21.86						
20	16QAM	1	49	21.80	21.83	21.83			23	2		
20	16QAM	50	24	21.80	21.83	21.83						
20	16QAM	50	24	21.80	21.83	21.83			22	3		
20	16QAM	100	0	20.88	20.88	20.92						
20	16QAM	100	0	20.88	20.88	20.95						
20	256QAM	1	5	18.84	18.83	18.85			20	5		
20	256QAM	1	74	18.84	18.83	18.85						
20	256QAM	1	99	18.77	18.81	18.79						
20	256QAM	50	24	18.80	18.83	18.83						
20	256QAM	50	24	18.87	18.80	18.89			20	5		
20	256QAM	50	50	18.83	18.85	18.82						
Channel				130497	130492	130492	Time-slot (ms)	APR (dB)				
Frequency (MHz)				1717.5	1746	1772.5						
15	QPSK	1	5	23.76	23.32	23.31						
15	QPSK	1	37	23.77	23.34	23.33			25	0		
15	QPSK	1	74	23.67	23.74	23.67						
15	QPSK	50	5	22.60	22.85	22.80						
15	QPSK	50	25	22.83	22.65	22.78						
15	QPSK	50	39	22.60	22.79	22.68			24	1		
15	QPSK	100	0	22.75	22.80	22.80						
15	16QAM	1	0	22.76	22.74	22.85						
15	16QAM	1	37	22.68	22.67	22.76			24	1		
15	16QAM	50	24	21.84	21.78	21.72						
15	16QAM	50	24	21.78	21.77	21.87			23	2		
15	16QAM	1	0	21.71	21.87	21.79						
15	16QAM	1	74	21.78	21.77	21.81						
15	16QAM	1	74	21.74	21.81	21.69						
15	16QAM	50	24	20.77	20.91	20.89						
15	16QAM	50	24	20.77	20.91	20.81			22	3		
15	256QAM	50	39	20.72	20.80	20.81						
15	256QAM	75	0	20.81	20.76	20.86						
15	256QAM	75	39	18.81	18.75	18.83			20	5		
15	256QAM	1	37	18.77	18.78	18.76						
Channel				130492	130492	130492	Time-slot (ms)	APR (dB)				
Frequency (MHz)				1712.5	1746	1777.5						
5	QPSK	1	5	23.79	23.30	23.30						
5	QPSK	1	12	23.81	23.78	23.75			25	0		
5	QPSK	1	24	23.78	23.74	23.65						
5	QPSK	12	0	22.77	22.90	22.80						
5	QPSK	12	7	22.67	22.76	22.73			24	1		
5	QPSK	12	7	22.68	22.74	22.72						
5	QPSK	26	0	22.71	22.80	22.87						
5	16QAM	1	0	22.87	22.78	22.78			24	1		
5	16QAM	1	24	22.64	22.71	22.72						
5	16QAM	1	24	22.65	22.73	22.62						
5	16QAM	12	0	21.67	21.88	21.78			23	2		
5	16QAM	12	7	21.84	21.74	21.71						
5	16QAM	12	19	21.63	21.81	21.74						
5	16QAM	26	0	21.93	21.72	21.86						
5	16QAM	26	0	21.78	21.85	21.76						
5	16QAM	12	12	21.76	21.80	21.65			23	2		
5	16QAM	12	6	21.75	21.80	21.73						
5	16QAM	12	6	20.84	20.98	20.90						
5	16QAM	12	7	20.84	20.73	20.92			22	3		
5	16QAM	12	6	20.86	20.90	20.77						
5	16QAM	26	0	20.85	20.95	20.83						
5	256QAM	1	0	18.72	18.78	18.74						
5	256QAM	1	72	18.72	18.78	18.70			20	5		
5	256QAM	1	24	18.73	18.75	18.74						
5	256QAM	12	0	18.91	18.83	18.91						
5	256QAM	12	6	18.79	18.82	18.85						
5	256QAM	12	19	18.77	18.82	18.65			20	5		
5	256QAM	25	0	18.72	18.71	18.80						
Channel				130475	130492	130492	Time-slot (ms)	APR (dB)				
Frequency (MHz)				1711.5	1746	1778.5						
3	QPSK	1	5	23.78	23.80	23.87						
3	QPSK	1	12	23.80	23.79	23.85			25	0		
3	QPSK	1	14	23.62	23.73	23.76						
3	QPSK	8	0	22.74	22.84	22.78						
3	QPSK	8	7	22.61	22.80	22.84			24	1		
3	QPSK	15	0	22.78	22.81	22.88						
3	16QAM	1	0	22.75	22.83	22.83						
3	16QAM	1	8	22.69	22.73	22.66			24	1		
3	16QAM	1	14	22.60	22.74	22.71						
3	16QAM	8	0	21.73	21.86	21.82						
3	16QAM	8	4	21.65	21.65	21.79			23	2		
3	16QAM	8	7	21.68	21.78	21.71						
3	16QAM	15	0	21.90	21.65	21.80						
3	16QAM	1	0	21.79	21.80	21.77						
3	16QAM	1	8	21.66	21.85	21.82			23	2		
3	16QAM	1	14	21.77	21.75	21.66						
3	16QAM	8	0	20.85	20.86	20.81						
3	16QAM	8	4	20.80	20.79	20.83			22	3		
3	16QAM	8	7	20.84	20.78	20.79						
3	16QAM	15	0	20.76	20.79	20.84						
3	16QAM	15	7	18.79	18.78	18.80						
3	16QAM	1	14	18.65	18.61	18.76			20	5		
3	256QAM	1	14	18.67	18.61	18.76						
3	256QAM	1	72	18.66	18.77	18.61						
3	256QAM	8	4	18.76	18.82	18.83						
3	256QAM	8	7	18.71	18.83	18.85						
3	256QAM	15	0	18.65	18.75	18.76			20	5		
Channel				130476	130492	130495	Time-slot (ms)	APR (dB)				
Frequency (MHz)				1710.7	1746	1779.3						
1.4	QPSK	1	5	23.80	23.81	23.80						
1.4	QPSK	1	3	23.80	23.80	23.79			25	0		
1.4	QPSK	1	5	23.63	23.79	23.72						
1.4	QPSK	1	23	23.74	23.79	23.82						
1.4	QPSK	3	1	23.68	23.63	23.63						
1.4	QPSK	3	3	22.58	23.67	23.64			24	1		
1.4	QPSK	1	23	22.61	22.79	22.79						
1.4	16QAM	1	0	22.76	22.77	22.82						
1.4	16QAM	3	1	22.69	22.71	22.75			24	1		
1.4	16QAM	3	1	22.69	22.76	22.82						
1.4	16QAM	3	1	22.69	22.76	22.75						
1.4	16QAM	0	0	21.88	21.74	21.89			23	2		
1.4	16QAM	1	0	21.75	21.89	21.75						
1.4	16QAM	1	23	21.69	21.75	21.85						
1.4	16QAM	1	5	21.70	21.81	21.72			23	2		
1.4	16QAM	3	0	21.84	21.65	21.72						
1.4	16QAM	3	1	21.68	21.77	21.79						
1.4	16QAM	3	3	21.65	21.71	21.82			22	3		
1.4	16QAM	3	0	20.76	20.79	20.80						
1.4	16QAM	3	1	18.80	18.75	18.82						
1.4	256QAM	1	3	18.79	18.82	18.71						
1.4	256QAM	1	5	18.74	18.79	18.88			20	5		
1.4	256QAM	3	1	18.83	18.78	18.83						
1.4	256QAM	3	1	18.84	18.86	18.79						
1.4	256QAM	0	0	18.65	18.68	18.71			20	5		

GSM850 Ant 4 DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	82.2	83.4	84.8	82.2	82.2	83.4	84.8	82.2
Frequency (MHz)	32.40	32.46	32.45	33.50	23.40	23.46	23.45	24.50
GSM 1 Tx slot	32.40	32.41	32.38	33.50	23.40	23.41	23.38	24.50
GPRS 1 Tx slot	29.39	29.41	29.35	30.50	23.39	23.41	23.35	24.50
GPRS 2 Tx slots	27.47	27.52	27.43	28.70	23.21	23.26	23.17	24.44
GPRS 3 Tx slots	26.19	26.26	26.16	27.50	23.19	23.26	23.16	24.50
EDGE 1 Tx slot	26.86	26.93	26.89	28.00	17.86	17.93	17.89	19.00
EDGE 2 Tx slots	23.82	23.96	23.90	25.00	17.82	17.96	17.90	19.00
EDGE 3 Tx slots	22.08	22.11	22.07	23.20	17.82	17.85	17.81	18.94
EDGE 4 Tx slots	20.89	20.93	20.84	22.00	17.89	17.93	17.84	19.00

GSM1900 Ant 4 DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1650.2	1680	1909.8	1650.2	1680	1909.8	1650.2	1680
Frequency (MHz)	24.46	24.59	24.56	25.50	15.46	15.59	15.56	16.50
GSM 1 Tx slot	24.34	24.50	24.47	25.50	15.34	15.50	15.47	16.50
GPRS 1 Tx slot	21.61	21.60	21.53	22.50	15.61	15.60	15.53	16.50
GPRS 2 Tx slots	19.49	19.57	19.50	20.70	15.23	15.31	15.24	16.44
GPRS 3 Tx slots	18.33	18.37	18.32	19.50	15.33	15.37	15.32	16.50
EDGE 1 Tx slot	23.33	23.42	23.33	24.50	14.33	14.42	14.33	15.50
EDGE 2 Tx slots	20.33	20.37	20.27	21.50	14.33	14.37	14.27	15.50
EDGE 3 Tx slots	18.55	18.55	18.52	19.70	14.29	14.29	14.26	15.44
EDGE 4 Tx slots	17.33	17.35	17.40	18.50	14.33	14.35	14.40	15.50

Band		WCDMA II Ant 4 DSI1			Tune-up Limit (dBm)	WCDMA IV Ant 4 DSI1			Tune-up Limit (dBm)	WCDMA V Ant 4 DSI1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1652.4	1680	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.49	15.58	15.50	16.50	14.64	14.75	14.67	15.50	22.78	22.88	22.76	24.00
3GPP Rel 99	AMR 12.2Kbps	15.55	15.65	15.58	16.50	14.77	14.80	14.71	15.50	22.90	22.97	22.86	24.00
3GPP Rel 6	HSDPA Subtest-1	14.61	14.61	14.60	15.50	13.72	13.76	13.75	14.50	21.88	21.93	22.00	23.00
3GPP Rel 6	HSDPA Subtest-2	14.55	14.60	14.58	15.50	13.82	13.75	13.67	14.50	21.91	21.98	21.95	23.00
3GPP Rel 6	HSDPA Subtest-3	14.09	14.17	14.12	15.00	13.31	13.27	13.27	14.00	21.44	21.43	21.45	22.50
3GPP Rel 6	HSDPA Subtest-4	14.02	14.20	14.13	15.00	13.25	13.33	13.25	14.00	21.43	21.45	21.49	22.50
3GPP Rel 8	DCHSDPA Subtest-1	14.50	14.60	14.57	15.50	13.73	13.85	13.66	14.50	21.94	22.02	22.01	23.00
3GPP Rel 8	DCHSDPA Subtest-2	14.51	14.62	14.52	15.50	13.73	13.82	13.72	14.50	21.92	21.97	21.99	23.00
3GPP Rel 8	DCHSDPA Subtest-3	14.02	14.15	14.06	15.00	13.33	13.34	13.19	14.00	21.44	21.45	21.61	22.50
3GPP Rel 8	DCHSDPA Subtest-4	14.06	14.10	14.03	15.00	13.27	13.31	13.20	14.00	21.43	21.52	21.50	22.50
3GPP Rel 6	HSUPA Subtest-1	14.61	14.65	14.61	15.50	13.80	13.77	13.75	14.50	21.85	21.94	21.98	23.00
3GPP Rel 6	HSUPA Subtest-2	12.61	12.67	12.53	13.50	11.81	11.81	11.67	12.50	19.88	19.95	19.93	21.00
3GPP Rel 6	HSUPA Subtest-3	13.58	13.66	13.62	14.50	12.81	12.74	12.66	13.50	20.94	20.93	20.92	22.00
3GPP Rel 6	HSUPA Subtest-4	12.51	12.69	12.64	13.50	11.74	11.81	11.66	12.50	19.88	20.01	19.96	21.00
3GPP Rel 6	HSUPA Subtest-5	14.61	14.66	14.63	15.50	13.77	13.78	13.75	14.50	21.86	22.02	21.98	23.00
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	12.00	12.14	12.13	13.00	11.28	11.27	11.20	12.00	18.38	19.51	19.42	20.50

Band 7 Ant 3 DSI1									
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.20	22.29	22.21	23	0	
20	QPSK	1	49	22.14	22.18	22.15			
20	QPSK	1	99	22.14	22.21	22.16			
20	QPSK	50	0	22.13	22.25	22.11	23	0	
20	QPSK	50	24	22.13	22.23	22.19			
20	QPSK	50	50	22.15	22.18	22.16			
20	QPSK	100	0	22.11	22.19	22.08	23	0	
20	16QAM	1	0	22.05	22.17	22.08			
20	16QAM	1	49	22.09	22.13	22.08			
20	16QAM	1	99	22.12	22.13	22.06	22.5	0.5	
20	16QAM	50	0	21.63	21.78	21.63			
20	16QAM	50	24	21.67	21.77	21.70			
20	16QAM	50	50	21.68	21.64	21.66	22.5	0.5	
20	16QAM	100	0	21.55	21.71	21.55			
20	64QAM	1	0	21.55	21.67	21.80			
20	64QAM	1	49	21.53	21.62	21.57	21.5	1.5	
20	64QAM	1	99	21.62	21.57	21.51			
20	64QAM	50	0	20.58	20.76	20.64			
20	64QAM	50	24	20.62	20.72	20.74	19.5	3.5	
20	64QAM	50	50	20.60	20.68	20.64			
20	64QAM	100	0	20.57	20.65	20.53			
20	256QAM	1	0	18.67	18.76	18.66	19.5	3.5	
20	256QAM	1	49	18.61	18.78	18.69			
20	256QAM	1	99	18.63	18.66	18.63			
20	256QAM	50	0	18.62	18.67	18.61	19.5	3.5	
20	256QAM	50	24	18.56	18.64	18.60			
20	256QAM	50	50	18.58	18.62	18.62			
20	256QAM	100	0	18.63	18.69	18.55			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.13	22.20	22.15	23	0	
15	QPSK	1	37	22.03	22.08	22.05			
15	QPSK	1	74	22.06	22.16	22.10			
15	QPSK	36	0	22.08	22.15	22.01	23	0	
15	QPSK	36	20	22.06	22.20	22.07			
15	QPSK	36	39	22.03	22.11	22.13			
15	QPSK	75	0	22.08	22.16	21.96	23	0	
15	16QAM	1	0	21.95	22.07	22.05			
15	16QAM	1	37	22.04	22.07	21.97			
15	16QAM	1	74	22.09	22.06	21.97	22.5	0.5	
15	16QAM	36	0	21.57	21.70	21.53			
15	16QAM	36	20	21.56	21.70	21.58			
15	16QAM	36	39	21.63	21.55	21.80	22.5	0.5	
15	16QAM	75	0	21.41	21.68	21.49			
15	64QAM	1	0	21.44	21.64	21.48			
15	64QAM	1	37	21.42	21.56	21.48	21.5	1.5	
15	64QAM	1	74	21.48	21.52	21.45			
15	64QAM	36	0	20.44	20.69	20.55			
15	64QAM	36	20	20.49	20.64	20.68	19.5	3.5	
15	64QAM	36	39	20.49	20.56	20.61			
15	64QAM	75	0	20.48	20.60	20.43			
15	256QAM	1	0	18.56	18.71	18.54	19.5	3.5	
15	256QAM	1	37	18.52	18.69	18.58			
15	256QAM	1	74	18.54	18.55	18.57			
15	256QAM	36	0	18.56	18.57	18.52	19.5	3.5	
15	256QAM	36	20	18.54	18.57	18.55			
15	256QAM	36	39	18.52	18.48	18.56			
15	256QAM	75	0	18.53	18.66	18.48			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.13	22.19	22.17	23	0	
10	QPSK	1	25	22.12	22.10	22.05			
10	QPSK	1	49	22.08	22.15	22.02			
10	QPSK	25	0	22.01	22.16	22.08	23	0	
10	QPSK	25	12	22.00	22.15	22.06			
10	QPSK	25	25	22.01	22.15	22.08			
10	QPSK	50	0	22.07	22.13	22.04	23	0	
10	16QAM	1	0	22.00	22.08	21.96			
10	16QAM	1	25	22.01	22.00	21.98			
10	16QAM	1	49	22.01	21.99	21.95	22.5	0.5	
10	16QAM	25	0	21.54	21.68	21.57			
10	16QAM	25	12	21.56	21.69	21.85			
10	16QAM	25	25	21.56	21.51	21.58	22.5	0.5	
10	16QAM	50	0	21.48	21.63	21.45			
10	64QAM	1	0	21.44	21.57	21.58			
10	64QAM	1	25	21.40	21.49	21.43	21.5	1.5	
10	64QAM	1	49	21.48	21.54	21.37			
10	64QAM	25	0	20.54	20.67	20.56			
10	64QAM	25	12	20.53	20.66	20.69	19.5	3.5	
10	64QAM	25	25	20.47	20.57	20.52			
10	64QAM	50	0	20.53	20.61	20.43			
10	256QAM	1	0	18.58	18.69	18.60	19.5	3.5	
10	256QAM	1	25	18.58	18.71	18.60			
10	256QAM	1	49	18.56	18.63	18.57			
10	256QAM	25	0	18.48	18.61	18.51	19.5	3.5	
10	256QAM	25	12	18.53	18.54	18.49			
10	256QAM	25	25	18.48	18.51	18.52			
10	256QAM	50	0	18.59	18.61	18.48			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.06	22.18	22.13	23	0	
5	QPSK	1	12	22.00	22.13	22.02			
5	QPSK	1	24	22.04	22.12	22.11			
5	QPSK	12	0	22.09	22.14	22.00	23	0	
5	QPSK	12	7	22.09	22.20	22.08			
5	QPSK	12	13	22.05	22.05	22.03			
5	QPSK	25	0	22.05	22.11	21.95	23	0	
5	16QAM	1	0	21.92	22.07	22.00			
5	16QAM	1	12	21.97	22.05	21.95			
5	16QAM	1	24	22.08	22.07	21.97	22.5	0.5	
5	16QAM	12	0	21.58	21.73	21.58			
5	16QAM	12	7	21.60	21.69	21.59			
5	16QAM	12	13	21.57	21.52	21.62	22.5	0.5	
5	16QAM	25	0	21.50	21.66	21.47			
5	64QAM	1	0	21.43	21.63	21.57			
5	64QAM	1	12	21.44	21.53	21.53	21.5	1.5	
5	64QAM	1	24	21.53	21.54	21.43			
5	64QAM	12	0	20.46	20.63	20.54			
5	64QAM	12	7	20.54	20.64	20.70	19.5	3.5	
5	64QAM	12	13	20.49	20.54	20.59			
5	64QAM	25	0	20.53	20.51	20.50			
5	256QAM	1	0	18.58	18.70	18.63	19.5	3.5	
5	256QAM	1	12	18.48	18.75	18.62			
5	256QAM	1	24	18.59	18.54	18.56			
5	256QAM	12	0	18.54	18.55	18.49	19.5	3.5	
5	256QAM	12	7	18.46	18.54	18.50			
5	256QAM	12	13	18.53	18.52	18.57			
5	256QAM	25	0	18.55	18.66	18.42			

Band 2 Ant 4 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 18750	Power Mid Ch / Freq 18800	Power High Ch / Freq 18900	Turn-up Init (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.09	15.12	14.98				
20	QPSK	1	49	15.03	15.05	14.92	16	0		
20	QPSK	1	99	15.04	15.02	14.97				
20	QPSK	50	0	15.04	15.08	14.98				
20	QPSK	50	24	15.04	15.08	14.96	16	0		
20	QPSK	50	50	15.00	15.02	14.98				
20	QPSK	100	0	15.00	15.05	14.95				
20	HQAM	1	0	15.01	15.01	14.99				
20	HQAM	1	49	14.93	14.94	14.95	16	0		
20	HQAM	1	50	14.94	15.01	14.93				
20	HQAM	50	0	14.94	15.02	14.79				
20	HQAM	50	24	14.95	15.01	14.90	16	0		
20	HQAM	50	50	14.90	15.00	14.91				
20	HQAM	100	0	14.95	15.04	14.90				
20	HQAM	1	0	14.96	15.04	14.96				
20	HQAM	1	49	14.96	15.05	14.95	16	0		
20	HQAM	1	50	14.93	14.98	14.91				
20	HQAM	50	0	15.02	14.96	14.91	16	0		
20	HQAM	50	24	14.93	14.98	14.91				
20	HQAM	50	50	14.90	15.04	14.90				
20	HQAM	100	0	14.90	15.04	14.90				
20	HQAM	1	0	14.91	14.97	14.80	16	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.08	15.05	14.92				
15	QPSK	1	37	15.02	14.95	14.94	16	0		
15	QPSK	1	74	15.02	15.03	14.94				
15	QPSK	36	0	15.03	15.05	14.90				
15	QPSK	36	20	15.01	15.03	14.91	16	0		
15	QPSK	36	39	14.99	14.92	14.87				
15	QPSK	75	0	14.99	15.00	14.88				
15	HQAM	1	0	14.91	14.95	14.79				
15	HQAM	1	37	14.82	14.95	14.75	16	0		
15	HQAM	1	74	14.88	14.92	14.80				
15	HQAM	36	0	14.92	15.02	14.76				
15	HQAM	36	20	14.85	15.02	14.83	16	0		
15	HQAM	36	39	14.82	14.90	14.81				
15	HQAM	75	0	14.87	14.90	14.80				
15	HQAM	1	0	14.87	15.01	14.80				
15	HQAM	1	37	14.83	14.96	14.80	16	0		
15	HQAM	1	49	14.94	14.92	14.81				
15	HQAM	36	0	14.97	15.03	14.77				
15	HQAM	36	20	14.88	14.95	14.80	16	0		
15	HQAM	36	39	14.87	14.96	14.81				
15	HQAM	75	0	14.88	14.96	14.79				
15	HQAM	1	0	14.89	14.95	14.80				
15	HQAM	1	37	15.01	14.99	14.80	16	0		
15	HQAM	1	74	14.98	14.89	14.87				
15	HQAM	36	0	14.92	14.97	14.80				
15	HQAM	36	20	14.94	14.95	14.82	16	0		
15	HQAM	36	39	14.89	15.00	14.84				
15	HQAM	75	0	14.85	14.98	14.80				
15	HQAM	1	0	14.85	14.98	14.80	16	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.00	15.00	15.00				
10	QPSK	1	25	15.00	14.96	14.84	16	0		
10	QPSK	1	49	14.99	14.95	14.80				
10	QPSK	25	0	14.96	15.00	14.84				
10	QPSK	25	12	14.95	15.04	14.80	16	0		
10	QPSK	25	25	14.92	14.92	14.80				
10	QPSK	50	0	14.92	15.07	14.80				
10	HQAM	1	0	14.91	14.95	14.84				
10	HQAM	1	25	14.91	14.85	14.77	16	0		
10	HQAM	1	49	15.00	14.98	14.80				
10	HQAM	25	0	14.91	14.91	14.77				
10	HQAM	25	12	14.91	14.96	14.87	16	0		
10	HQAM	25	25	14.88	14.93	14.82				
10	HQAM	50	0	14.88	14.93	14.81				
10	HQAM	1	0	14.87	15.05	14.80	16	0		
10	HQAM	1	49	15.00	15.01	14.84				
10	HQAM	25	0	14.95	15.01	14.79				
10	HQAM	25	12	15.01	14.92	14.80	16	0		
10	HQAM	25	25	14.85	14.87	14.80				
10	HQAM	50	0	14.85	15.00	14.82				
10	HQAM	50	12	14.94	14.92	14.83				
10	HQAM	100	0	15.01	14.95	14.80				
10	HQAM	1	0	14.93	14.95	14.80	16	0		
10	HQAM	1	24	14.92	14.99	14.79				
10	HQAM	12	0	15.02	15.05	14.82				
10	HQAM	12	13	14.88	14.90	14.80	16	0		
10	HQAM	25	0	14.90	15.04	14.80				
10	HQAM	25	0	14.93	15.02	14.84				
10	HQAM	25	12	15.02	14.93	14.80	16	0		
10	HQAM	25	24	14.90	14.97	14.85				
10	HQAM	50	0	15.01	15.00	14.77				
10	HQAM	50	12	14.97	14.93	14.85	16	0		
10	HQAM	25	25	14.89	14.96	14.82				
10	HQAM	50	0	14.83	14.89	14.87				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.02	15.07	14.90				
3	QPSK	1	8	14.93	15.05	14.88	16	0		
3	QPSK	1	16	14.95	15.00	14.86				
3	QPSK	8	0	15.05	14.98	14.77				
3	QPSK	8	4	14.95	15.03	14.86	16	0		
3	QPSK	8	7	14.90	14.99	14.80				
3	HQAM	1	0	14.90	14.95	14.84				
3	HQAM	1	8	14.93	14.98	14.81				
3	HQAM	1	14	14.85	14.97	14.80	16	0		
3	HQAM	8	0	14.88	14.98	14.73				
3	HQAM	8	4	14.95	15.00	14.83	16	0		
3	HQAM	8	7	14.88	14.97	14.80				
3	HQAM	16	0	14.88	14.92	14.83				
3	HQAM	1	0	14.96	15.04	14.86	16	0		
3	HQAM	1	16	14.93	14.94	14.79				
3	HQAM	8	0	14.89	14.94	14.80				
3	HQAM	8	4	14.99	14.94	14.80	16	0		
3	HQAM	8	7	14.94	14.87	14.80				
3	HQAM	16	0	15.02	15.05	14.88				
3	HQAM	1	8	14.99	15.01	14.80	16	0		
3	HQAM	1	14	14.90	14.97	14.80				
3	HQAM	8	0	14.90	14.90	14.80	16	0		
3	HQAM	8	4	14.98	14.91	14.83				
3	HQAM	8	7	14.93	14.93	14.80				
3	HQAM	16	0	14.90	15.01	14.79				
3	HQAM	1	0	14.95	14.91	14.82	16	0		
3	HQAM	1	14	14.90	15.00	14.83				
3	HQAM	8	0	14.89	14.94	14.80	16	0		

Band 4 Ant 4 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.12	15.21	15.14						
20	QPSK	1	49	15.08	15.08	15.08	16	0				
20	QPSK	1	99	15.10	15.08	15.04						
20	QPSK	50	0	15.10	15.17	15.11						
20	QPSK	24	0	15.07	15.10	15.07	16	0				
20	QPSK	50	50	15.00	15.14	15.08						

Band 7 Ant 4 DSI#1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.83	16.99	16.80			18.5	0
20	QPSK	1	49	16.82	16.90	16.87				
20	QPSK	1	99	16.83	16.92	16.76			18.5	0
20	QPSK	50	0	16.88	16.97	16.88				
20	QPSK	50	24	16.84	16.89	16.83			18.5	0
20	QPSK	50	50	16.83	16.92	16.80				
20	QPSK	100	0	16.82	16.91	16.84			18.5	0
20	16QAM	1	0	16.90	16.88	16.80				
20	16QAM	1	99	16.76	16.87	16.81			18.5	0
20	16QAM	50	0	16.77	16.82	16.76				
20	16QAM	50	24	16.75	16.85	16.72			18.5	0
20	16QAM	50	50	16.74	16.80	16.74				
20	16QAM	100	0	16.71	16.83	16.76			18.5	0
20	16QAM	1	0	16.81	16.89	16.76				
20	16QAM	1	49	16.70	16.77	16.76			18.5	0
20	16QAM	1	99	16.69	16.81	16.70				
20	16QAM	50	0	16.77	16.85	16.76			18.5	0
20	16QAM	50	24	16.75	16.83	16.80				
20	16QAM	50	50	16.73	16.85	16.77			18.5	0
20	16QAM	100	0	16.77	16.78	16.80				
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
16	QPSK	1	0	16.81	16.93	16.83			18.5	0
16	QPSK	1	37	16.72	16.83	16.81				
16	QPSK	1	74	16.76	16.87	16.86			18.5	0
16	QPSK	36	0	16.80	16.88	16.81				
16	QPSK	36	36	16.72	16.80	16.73			18.5	0
16	QPSK	36	36	16.77	16.82	16.87				
16	QPSK	75	0	16.79	16.86	16.76			18.5	0
16	16QAM	1	0	16.87	16.78	16.77				
16	16QAM	1	37	16.61	16.78	16.76			18.5	0
16	16QAM	1	74	16.69	16.75	16.69				
16	16QAM	36	0	16.74	16.88	16.70			18.5	0
16	16QAM	36	20	16.64	16.82	16.63				
16	16QAM	75	0	16.82	16.71	16.71			18.5	0
16	16QAM	1	0	16.77	16.80	16.84				
16	16QAM	1	37	16.69	16.75	16.69			18.5	0
16	16QAM	1	74	16.56	16.72	16.62				
16	16QAM	36	0	16.65	16.73	16.70			18.5	0
16	16QAM	36	36	16.65	16.72	16.65				
16	16QAM	75	0	16.74	16.69	16.78			18.5	0
16	16QAM	36	36	16.65	16.75	16.65				
16	256QAM	1	37	16.64	16.70	16.70			18.5	0
16	256QAM	1	74	16.65	16.76	16.61				
16	256QAM	36	0	16.71	16.83	16.64			18.5	0
16	256QAM	36	20	16.67	16.73	16.63				
16	256QAM	36	36	16.68	16.85	16.65			18.5	0
16	256QAM	75	0	16.68	16.75	16.60				
16	256QAM	75	0	16.68	16.75	16.60			18.5	0
16	256QAM	100	0	16.68	16.75	16.60				
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.79	16.83	16.78			18.5	0
20	QPSK	1	25	16.76	16.79	16.81				
20	QPSK	1	49	16.71	16.87	16.87			18.5	0
20	QPSK	1	74	16.76	16.82	16.82				
20	QPSK	25	12	16.82	16.81	16.79			18.5	0
20	QPSK	25	25	16.79	16.83	16.81				
20	QPSK	25	50	16.70	16.82	16.74			18.5	0
20	16QAM	1	0	16.87	16.77	16.74				
20	16QAM	1	25	16.71	16.78	16.67			18.5	0
20	16QAM	1	49	16.69	16.76	16.67				
20	16QAM	25	0	16.78	16.88	16.70			18.5	0
20	16QAM	25	12	16.70	16.73	16.65				
20	16QAM	25	25	16.65	16.74	16.65			18.5	0
20	16QAM	50	0	16.65	16.73	16.76				
20	16QAM	1	0	16.75	16.78	16.65			18.5	0
20	16QAM	1	25	16.67	16.63	16.71				
20	16QAM	1	49	16.66	16.78	16.66			18.5	0
20	16QAM	25	0	16.75	16.75	16.80				
20	16QAM	25	25	16.60	16.76	16.71			18.5	0
20	16QAM	50	0	16.68	16.84	16.66				
20	256QAM	1	0	16.67	16.75	16.75			18.5	0
20	256QAM	1	25	16.68	16.78	16.65				
20	256QAM	1	49	16.66	16.76	16.67			18.5	0
20	256QAM	12	0	16.72	16.67	16.65				
20	256QAM	12	7	16.67	16.67	16.65			18.5	0
20	256QAM	25	0	16.63	16.68	16.62				
20	256QAM	25	25	16.63	16.75	16.65			18.5	0
20	256QAM	50	0	16.68	16.75	16.60				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				
20	256QAM	50	0	16.72	16.80	16.74			18.5	0
20	256QAM	50	24	16.73	16.80	16.74				
20	256QAM	50	50	16.71	16.88	16.68			18.5	0
20	256QAM	100	0	16.75	16.79	16.73				
Channel										
Frequency (MHz)										
20	256QAM	1	49	16.71	16.84	16.74			18.5	0
20	256QAM	1	99	16.72	16.88	16.74				

Band 12 Ant 4 DSI#1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Middle Ch (dBm)	Power High Ch (dBm)	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.41	24.55	24.37			20.5	0
10	QPSK	1	25	24.38	24.54	24.26				
10	QPSK	1	49	24.33	24.53	24.31			20.5	1
10	QPSK	25	0	23.43	23.53	23.34				
10	QPSK	25	12	23.45	23.49	23.32			20.5	1
10	QPSK	25	25	23.32	23.48	23.24				
10	QPSK	50	0	23.35	23.51	23.33			20.5	1
10	QPSK	1	0	23.43	23.51	23.33				
10	QPSK	1	49	23.35	23.51	23.33			20.5	1
10	QPSK	25	0	22.45	22.55	22.37				
10	QPSK	25	12	22.47	22.47	22.38			23.5	0
10	QPSK	25	25	22.35	22.47	22.28				
10	QPSK	50	0	22.37	22.53	22.35			20.5	1
10	QPSK	1	0	22.37	22.53	22.35				
10	QPSK	1	49	22.35	22.53	22.35			20.5	1
10	QPSK	25	0	21.48	21.58	21.39				
10	QPSK	25	12	21.49	21.49	21.39			22.5	0
10	QPSK	25	25	21.37	21.47	21.28				
10	QPSK	50	0	21.39	21.55	21.37			20.5	5
10	QPSK	1	0	19.43	19.53	19.39				
10	QPSK	25	0	19.43	19.53	19.39			20.5	5
10	QPSK	25	12	19.43	19.48	19.37				
10	QPSK	25	25	19.35	19.48	19.34			20.5	5
10	QPSK	50	0	19.39	19.55	19.37				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.38	24.54	24.27			20.5	0
5	QPSK	1	12	24.27	24.51	24.24				
5	QPSK	1	24	24.27	24.52	24.24			20.5	0
5	QPSK	12	0	23.37	23.47	23.27				
5	QPSK	12	7	23.33	23.42	23.30			24.5	1
5	QPSK	12	13	23.25	23.34	23.23				
5	QPSK	25	0	23.25	23.34	23.23			24.5	1
5	QPSK	25	12	23.17	23.26	23.15				
5	QPSK	1	0	23.42	23.47	23.22			24.5	1
5	QPSK	1	12	23.39	23.47	23.24				
5	QPSK	25	0	23.25	23.45	23.25			23.5	2
5	QPSK	12	0	22.34	22.54	22.30				
5	QPSK	12	7	22.37	22.47	22.26			23.5	2
5	QPSK	12	13	22.29	22.45	22.26				
5	QPSK	25	0	22.23	22.46	22.27			23.5	2
5	QPSK	1	0	22.38	22.46	22.27				
5	QPSK	1	12	22.35	22.47	22.26			23.5	2
5	QPSK	1	24	22.27	22.47	22.21				
5	QPSK	12	0	21.31	21.46	21.25			22.5	3
5	QPSK	12	7	21.33	21.45	21.26				
5	QPSK	12	13	21.24	21.41	21.19			22.5	3
5	QPSK	25	0	21.34	21.46	21.21				
5	QPSK	25	12	21.26	21.39	21.20			20.5	5
5	QPSK	25	25	21.18	21.36	21.18				
5	QPSK	50	0	21.22	21.46	21.22			20.5	5
5	QPSK	1	0	19.42	19.47	19.35				
5	QPSK	12	0	19.42	19.47	19.35			20.5	5
5	QPSK	12	7	19.37	19.37	19.28				
5	QPSK	12	13	19.30	19.47	19.28			20.5	5
5	QPSK	25	0	19.30	19.47	19.28				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.33	24.51	24.24			20.5	0
3	QPSK	1	8	24.33	24.42	24.16				
3	QPSK	1	14	24.23	24.53	24.22			20.5	0
3	QPSK	1	20	24.13	24.43	24.17				
3	QPSK	8	0	23.34	23.42	23.23			24.5	1
3	QPSK	8	7	23.34	23.41	23.14				
3	QPSK	25	0	23.23	23.35	23.17			24.5	1
3	QPSK	1	0	23.40	23.50	23.25				
3	QPSK	1	8	23.38	23.58	23.21			24.5	1
3	QPSK	1	14	23.28	23.48	23.21				
3	QPSK	8	0	22.38	22.48	22.21			23.5	2
3	QPSK	8	4	22.33	22.51	22.20				
3	QPSK	8	12	22.33	22.51	22.20			23.5	2
3	QPSK	16	0	22.31	22.51	22.27				
3	QPSK	1	0	22.38	22.47	22.22			23.5	2
3	QPSK	8	0	22.38	22.47	22.22				
3	QPSK	8	4	22.32	22.48	22.27			22.5	3
3	QPSK	8	12	21.37	21.46	21.27				
3	QPSK	8	18	21.32	21.42	21.23			22.5	3
3	QPSK	8	24	21.22	21.45	21.20				
3	QPSK	16	0	21.28	21.48	21.27			20.5	5
3	QPSK	1	0	19.42	19.47	19.35				
3	QPSK	8	0	19.42	19.47	19.35			20.5	5
3	QPSK	8	4	19.40	19.46	19.28				
3	QPSK	8	12	19.35	19.46	19.28			20.5	5
3	QPSK	16	0	19.35	19.46	19.28				
3	QPSK	16	8	19.28	19.48	19.27			20.5	5
3	QPSK	16	16	19.28	19.48	19.27				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.37	24.53	24.24			20.5	0
1.4	QPSK	1	8	24.32	24.53	24.24				
1.4	QPSK	1	16	24.33	24.53	24.24			20.5	0
1.4	QPSK	1	24	24.23	24.53	24.24				
1.4	QPSK	3	1	24.27	24.49	24.15			24.5	1
1.4	QPSK	3	1	24.24	24.48	24.22				
1.4	QPSK	3	1	24.24	24.48	24.22			24.5	1
1.4	QPSK	3	1	24.24	24.48	24.22				
1.4	QPSK	1	0	23.36	23.37	23.27			24.5	1
1.4	QPSK	1	1	23.28	23.40	23.22				
1.4	QPSK	1	2	23.28	23.40	23.22			24.5	1
1.4	QPSK	1	3	23.28	23.40	23.22				
1.4	QPSK	1	4	23.35	23.52	23.27			23.5	2
1.4	QPSK	1	5	23.35	23.52	23.27				
1.4	QPSK	1	6	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	7	23.24	23.42	23.24				
1.4	QPSK	1	8	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	9	23.24	23.42	23.24				
1.4	QPSK	1	10	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	11	23.24	23.42	23.24				
1.4	QPSK	1	12	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	13	23.24	23.42	23.24				
1.4	QPSK	1	14	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	15	23.24	23.42	23.24				
1.4	QPSK	1	16	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	17	23.24	23.42	23.24				
1.4	QPSK	1	18	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	19	23.24	23.42	23.24				
1.4	QPSK	1	20	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	21	23.24	23.42	23.24				
1.4	QPSK	1	22	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	23	23.24	23.42	23.24				
1.4	QPSK	1	24	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	25	23.24	23.42	23.24				
1.4	QPSK	1	26	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	27	23.24	23.42	23.24				
1.4	QPSK	1	28	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	29	23.24	23.42	23.24				
1.4	QPSK	1	30	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	31	23.24	23.42	23.24				
1.4	QPSK	1	32	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	33	23.24	23.42	23.24				
1.4	QPSK	1	34	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	35	23.24	23.42	23.24				
1.4	QPSK	1	36	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	37	23.24	23.42	23.24				
1.4	QPSK	1	38	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	39	23.24	23.42	23.24				
1.4	QPSK	1	40	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	41	23.24	23.42	23.24				
1.4	QPSK	1	42	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	43	23.24	23.42	23.24				
1.4	QPSK	1	44	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	45	23.24	23.42	23.24				
1.4	QPSK	1	46	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	47	23.24	23.42	23.24				
1.4	QPSK	1	48	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	49	23.24	23.42	23.24				
1.4	QPSK	1	50	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	51	23.24	23.42	23.24				
1.4	QPSK	1	52	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	53	23.24	23.42	23.24				
1.4	QPSK	1	54	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	55	23.24	23.42	23.24				
1.4	QPSK	1	56	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	57	23.24	23.42	23.24				
1.4	QPSK	1	58	23.24	23.42	23.24			20.5	5
1.4	QPSK	1	59	23.24	23.42	23.24				
1.4	QPSK	1	60	23.24	23.42	23.24			20.5	

Band 26 Ant 4 DS11														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up Intvl (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.93	22.93	22.91	24	0						
15	QPSK	1	37	22.88	22.94	22.78								
15	QPSK	1	74	22.81	22.91	22.79								
15	QPSK	36	0	22.81	22.86	22.79								
15	QPSK	36	20	22.81	22.80	22.87	24	0						
15	QPSK	36	39	22.85	22.83	22.83								
15	QPSK	75	0	22.86	22.83	22.77								
15	HQAM	1	0	22.91	22.86	22.87								
15	HQAM	1	37	22.81	22.87	22.76	24	0						
15	HQAM	1	74	22.79	22.85	22.80								
15	HQAM	36	0	22.82	22.87	22.78								
15	HQAM	36	20	22.80	22.85	22.86								
15	HQAM	75	0	22.81	22.85	22.82	23.5	0.5						
15	HQAM	1	0	22.81	22.80	22.86								
15	HQAM	1	37	22.29	22.36	22.25								
15	HQAM	1	74	22.29	22.39	22.35								
15	HQAM	36	0	21.34	21.42	21.25	22.5	1.5						
15	HQAM	36	20	21.42	21.42	21.38								
15	HQAM	36	39	21.30	21.40	21.38								
15	HQAM	75	0	21.40	21.46	21.30								
15	HQAM	1	0	19.26	19.34	19.30	20.5	3.5						
15	HQAM	1	37	19.37	19.39	19.35								
15	HQAM	1	74	19.37	19.39	19.35								
15	HQAM	36	0	19.35	19.38	19.32								
15	HQAM	36	20	19.39	19.42	19.32	20.5	3.5						
15	HQAM	36	39	19.39	19.34	19.20								
15	HQAM	75	0	19.26	19.30	19.27								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.80	22.88	22.79	24	0						
10	QPSK	1	25	22.81	22.81	22.71								
10	QPSK	1	49	22.78	22.88	22.84								
10	QPSK	25	0	22.76	22.82	22.71								
10	QPSK	25	12	22.80	22.79	22.77	24	0						
10	QPSK	25	25	22.77	22.88	22.78								
10	HQAM	50	0	22.80	22.81	22.86								
10	HQAM	1	0	22.88	22.87	22.79								
10	HQAM	1	25	22.78	22.79	22.69	24	0						
10	HQAM	1	49	22.69	22.84	22.80								
10	HQAM	25	0	22.27	22.35	22.23								
10	HQAM	25	12	22.35	22.36	22.25								
10	HQAM	50	0	22.38	22.33	22.16	23.5	0.5						
10	HQAM	1	0	22.28	22.29	22.26								
10	HQAM	1	25	22.27	22.29	22.23								
10	HQAM	1	49	22.23	22.24	22.25								
10	HQAM	25	0	21.26	21.29	21.12	22.5	1.5						
10	HQAM	25	12	21.34	21.39	21.28								
10	HQAM	25	25	21.24	21.25	21.22								
10	HQAM	50	0	21.34	21.41	21.18								
10	HQAM	1	0	19.24	19.32	19.20	20.5	3.5						
10	HQAM	1	25	19.33	19.27	19.27								
10	HQAM	1	49	19.27	19.35	19.28								
10	HQAM	25	0	19.26	19.34	19.23								
10	HQAM	25	12	19.33	19.35	19.21	20.5	3.5						
10	HQAM	25	25	19.22	19.27	19.13								
10	HQAM	50	0	19.16	19.23	19.15								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.81	22.87	22.89	24	0						
5	QPSK	1	12	22.78	22.87	22.89								
5	QPSK	1	24	22.72	22.89	22.86								
5	QPSK	12	0	22.86	22.87	22.87								
5	QPSK	12	7	22.82	22.80	22.83	24	0						
5	QPSK	12	13	22.81	22.81	22.72								
5	QPSK	36	0	22.82	22.82	22.82								
5	HQAM	1	0	22.88	22.84	22.76								
5	HQAM	1	12	22.77	22.78	22.64	24	0						
5	HQAM	1	24	22.76	22.78	22.67								
5	HQAM	12	0	22.28	22.44	22.19								
5	HQAM	12	7	22.35	22.33	22.22								
5	HQAM	12	13	22.35	22.38	22.15	23.5	0.5						
5	HQAM	25	0	22.27	22.39	22.15								
5	HQAM	1	0	21.37	21.37	21.23								
5	HQAM	1	12	22.17	22.33	22.13								
5	HQAM	1	24	22.22	22.30	22.25	22.5	1.5						
5	HQAM	12	0	21.26	21.38	21.18								
5	HQAM	12	7	21.35	21.30	21.25								
5	HQAM	12	13	21.17	21.39	21.33								
5	HQAM	25	0	21.34	21.43	21.27	20.5	3.5						
5	HQAM	1	0	19.17	19.33	19.17								
5	HQAM	1	12	19.25	19.34	19.29								
5	HQAM	1	24	19.24	19.34	19.30								
5	HQAM	12	0	19.28	19.33	19.24	20.5	3.5						
5	HQAM	12	7	19.33	19.33	19.36								
5	HQAM	12	13	19.22	19.32	19.16								
5	HQAM	25	0	19.24	19.32	19.13								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.82	22.85	22.71	24	0						
3	QPSK	1	8	22.82	22.85	22.71								
3	QPSK	1	14	22.75	22.81	22.89								
3	QPSK	8	0	22.71	22.87	22.73								
3	QPSK	8	4	22.81	22.85	22.76	24	0						
3	QPSK	8	7	22.81	22.80	22.69								
3	QPSK	16	0	22.84	22.84	22.82								
3	HQAM	1	0	22.87	22.85	22.75								
3	HQAM	1	8	22.77	22.85	22.62	24	0						
3	HQAM	1	14	22.77	22.80	22.74								
3	HQAM	8	0	22.23	22.38	22.04								
3	HQAM	8	4	22.29	22.33	22.24								
3	HQAM	16	0	22.29	22.31	22.31	23.5	0.5						
3	HQAM	16	8	22.24	22.32	22.17								
3	HQAM	16	16	22.29	22.42	22.15								
3	HQAM	1	0	22.29	22.31	22.31								
3	HQAM	1	8	22.21	22.28	22.16	22.5	1.5						
3	HQAM	1	14	22.25	22.30	22.29								
3	HQAM	8	0	21.29	21.38	21.12								
3	HQAM	8	4	21.35	21.38	21.23								
3	HQAM	8	7	21.24	21.37	21.31	20.5	3.5						
3	HQAM	16	0	21.36	21.40	21.18								
3	HQAM	1	0	19.21	19.40	19.28								
3	HQAM	1	8	19.26	19.32	19.29								
3	HQAM	1	14	19.23	19.33	19.29	20.5	3.5						
3	HQAM	8	0	19.23	19.36	19.19								
3	HQAM	8	4	19.25	19.31	19.23								
3	HQAM	8	7	19.17	19.29	19.07								
3	HQAM	16	0	19.20	19.27	19.15								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.81	22.88	22.88	24	0						
1.4	QPSK	1	3	22.86	22.89	22.76								
1.4	QPSK	1	6	22.75	22.87	22.75								
1.4	QPSK	3	0	22.76	22.82	22.65								
1.4	QPSK	3	1	22.84	22.78	22.76	24	0						
1.4	QPSK	3	4	22.76	22.83	22.72								
1.4	QPSK	6	0	22.81	22.89	22.71								
1.4	QPSK	6	3	22.81	22.82	22.79								
1.4	HQAM	1	0	22.89	22.87	22.87	24	0						
1.4	HQAM	1	3	22.86	22.79	22.77								
1.4	HQAM	3	0	22.86	22.84	22.80								
1.4	HQAM	3	3	22.82	22.93	22.79								
1.4	HQAM	3	6	22.26	22.41	22.19	23.5	0.5						
1.4	HQAM	6	0	22.26	22.41	22.19								
1.4	HQAM	6	3	22.25	22.41	22.19								
1.4	HQAM	3	1	22.38	22.37	22.22								
1.4	HQAM	3	4	22.28	22.37	22.22	23.5	0.5						
1.4	HQAM	3	6	22.28	22.29	22.14								
1.4	HQAM	6	0	22.19	22.33	22.28								
1.4	HQAM	6	3	22.35	22.25	22.12								
1.4	HQAM	3	1	22.13	22.25	22.01	22.5	1.5						
1.4	HQAM	3	4	22.13	22.24	22.04								
1.4	HQAM	6	0	21.30	21.41	21.20								
1.4	HQAM	6	3	19.25	19.36	19.24								
1.4	HQAM	1	0	19.31	19.38	19.28	20.5	3.5						
1.4	HQAM	1	3	19.31	19.38	19.28								
1.4	HQAM	3	0	19.24	19.36	19.27								
1.4	HQAM	3	3	19.26	19.33	19.21								
1.4	HQAM	3	6	19.21	19.31	19.15	20.5	3.5						
1.4	HQAM	6	0	19.15	19.26	19.15								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	14.50	14.50	14.46					24	0		
1.4	QPSK	1	8	14.48	14.48	14.43								
1.4	QPSK	1	16	14.33	14.53	14.42								
1.4	QPSK	8	0	14.43	14.58	14.45								
1.4	QPSK	8	4	14.39	14.57	14.47	24	0						
1.4	QPSK	8	7	14.47	14.51	14.52								
1.4	QPSK	16	0	14.46	14.59	14.43								
1.4	QPSK	16	8	14.42	14.58	14.43								
1.4	HQAM	1	0	14.37	14.46	14.33	24	0						
1.4	HQAM	1	8	14.37	14.46	14.33								
1.4	HQAM	1	16	14.27	14.48	14.41								
1.4	HQAM	8	0	14.27	14.42	14.41								
1.4	HQAM	8	4	14.28	14.43	14.41	24	0						
1.4	HQAM	8	7	14.28	14.43	14.41								
1.4	HQAM	16	0	14.28	14.35	14.31								
1.4	HQAM	16	8	14.28	14.44	14.33								
1.4	HQAM	12	0	14.29	14.33	14.33	23.5	0.5						
1.4	HQAM	12	8	14.29	14.33	14.33								
1.4	HQAM	12	16	14.29	14.33	14.33								
1.4	HQAM	25	0	14.29	14.44	14.28								
1.4	HQAM	1	0	14.27	14.32	14.43	23.5	0.5						
1.4	HQAM	1	8	14.27	14.38	14.32								
1.4	HQAM	1	16	14.21	14.37	14.40								
1.4	HQAM	8	0	14.33	14.46	14.31								
1.4	HQAM	8	4	14.33	14.39	14.40	22.5	1.5						
1.4	HQAM	8	7	14.31	14.32	14.35								
1.4	HQAM	16	0	14.34	14.39	14.32								
1.4	HQAM	16	8	14.34	14.43	14.37								
1.4	HQAM	1	0	14.22	14.43	14.52	20.5	3.5						
1.4	HQAM	1	8	14.28	14.41	14.50								
1.4	HQAM	1	16	14.18	14.41	14.54								
1.4	HQAM	8	0	14.26	14.43	14.36								

Band 38 Ant 1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.49	23.51	23.47	24.5	0	
20	QPSK	1	49	23.47	23.50	23.42			
20	QPSK	1	99	23.46	23.49	23.44			
20	QPSK	50	0	22.53	22.49	22.42	23.5	1	
20	QPSK	50	24	22.48	22.47	22.46			
20	QPSK	50	50	22.41	22.49	22.39			
20	QPSK	100	0	22.44	22.45	22.39	23.5	1	
20	16QAM	1	0	22.44	22.50	22.44			
20	16QAM	1	49	22.48	22.45	22.46			
20	16QAM	1	99	22.49	22.46	22.48	22.5	2	
20	16QAM	50	0	21.48	21.49	21.42			
20	16QAM	50	24	21.45	21.47	21.43			
20	16QAM	50	50	21.36	21.54	21.36	21.5	3	
20	16QAM	100	0	21.49	21.42	21.37			
20	64QAM	1	0	21.44	21.51	21.52			
20	64QAM	1	49	21.48	21.50	21.36	22.5	2	
20	64QAM	1	99	21.48	21.45	21.41			
20	64QAM	50	0	20.49	20.53	20.47			
20	64QAM	50	24	20.49	20.42	20.51	21.5	3	
20	64QAM	50	50	20.40	20.44	20.35			
20	64QAM	100	0	20.45	20.51	20.42			
20	256QAM	1	0	18.48	18.49	18.52	19.5	5	
20	256QAM	1	49	18.45	18.47	18.42			
20	256QAM	1	99	18.51	18.53	18.40			
20	256QAM	50	0	18.50	18.52	18.48	19.5	5	
20	256QAM	50	24	18.46	18.48	18.47			
20	256QAM	50	50	18.43	18.47	18.43			
20	256QAM	100	0	18.45	18.49	18.33			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.44	23.49	23.43	24.5	0	
15	QPSK	1	37	23.45	23.48	23.42			
15	QPSK	1	74	23.34	23.41	23.38			
15	QPSK	36	0	22.41	22.48	22.39	23.5	1	
15	QPSK	36	20	22.48	22.43	22.45			
15	QPSK	36	39	22.31	22.45	22.30			
15	QPSK	75	0	22.34	22.43	22.35	23.5	1	
15	16QAM	1	0	22.38	22.45	22.42			
15	16QAM	1	37	22.37	22.45	22.43			
15	16QAM	1	74	22.40	22.43	22.46	22.5	2	
15	16QAM	36	0	21.48	21.37	21.33			
15	16QAM	36	20	21.34	21.37	21.36			
15	16QAM	36	39	21.34	21.49	21.28	22.5	2	
15	16QAM	75	0	21.45	21.32	21.30			
15	64QAM	1	0	21.43	21.41	21.50			
15	64QAM	1	37	21.42	21.40	21.26	21.5	3	
15	64QAM	1	74	21.44	21.42	21.32			
15	64QAM	36	0	20.48	20.44	20.47			
15	64QAM	36	20	20.39	20.39	20.48	19.5	5	
15	64QAM	36	39	20.40	20.39	20.34			
15	64QAM	75	0	20.45	20.42	20.40			
15	256QAM	1	0	18.43	18.38	18.45	19.5	5	
15	256QAM	1	37	18.43	18.42	18.39			
15	256QAM	1	74	18.41	18.48	18.32			
15	256QAM	36	0	18.47	18.43	18.46	19.5	5	
15	256QAM	36	20	18.44	18.39	18.40			
15	256QAM	36	39	18.34	18.35	18.37			
15	256QAM	75	0	18.42	18.48	18.23			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.48	23.45	24.5	0	
10	QPSK	1	25	23.36	23.41	23.40			
10	QPSK	1	49	23.38	23.39	23.34			
10	QPSK	25	0	22.41	22.38	22.31	23.5	1	
10	QPSK	25	12	22.37	22.41	22.35			
10	QPSK	25	25	22.35	22.46	22.45			
10	QPSK	50	0	22.44	22.36	22.27	23.5	1	
10	16QAM	1	0	22.36	22.45	22.39			
10	16QAM	1	25	22.38	22.42	22.35			
10	16QAM	1	49	22.39	22.38	22.37	22.5	2	
10	16QAM	25	0	21.38	21.40	21.34			
10	16QAM	25	12	21.37	21.41	21.40			
10	16QAM	25	25	21.33	21.44	21.34	21.5	3	
10	16QAM	50	0	21.44	21.39	21.28			
10	64QAM	1	0	21.35	21.46	21.43			
10	64QAM	1	25	21.47	21.46	21.28	22.5	2	
10	64QAM	1	49	21.37	21.37	21.34			
10	64QAM	25	0	20.42	20.51	20.41			
10	64QAM	25	12	20.38	20.36	20.48	21.5	3	
10	64QAM	25	25	20.35	20.42	20.27			
10	64QAM	50	0	20.38	20.48	20.35			
10	256QAM	1	0	18.43	18.40	18.41	19.5	5	
10	256QAM	1	25	18.44	18.46	18.38			
10	256QAM	1	49	18.42	18.50	18.32			
10	256QAM	25	0	18.41	18.48	18.36	19.5	5	
10	256QAM	25	12	18.43	18.47	18.44			
10	256QAM	25	25	18.41	18.45	18.41			
10	256QAM	50	0	18.44	18.44	18.25			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.42	23.48	23.41	24.5	0	
5	QPSK	1	12	23.38	23.41	23.35			
5	QPSK	1	24	23.45	23.42	23.42			
5	QPSK	12	0	22.44	22.46	22.40	23.5	1	
5	QPSK	12	7	22.39	22.43	22.45			
5	QPSK	12	13	22.41	22.41	22.30			
5	QPSK	25	0	22.37	22.35	22.30	23.5	1	
5	16QAM	1	0	22.41	22.45	22.43			
5	16QAM	1	12	22.46	22.36	22.39			
5	16QAM	1	24	22.40	22.35	22.41	22.5	2	
5	16QAM	12	0	21.48	21.40	21.30			
5	16QAM	12	7	21.40	21.41	21.43			
5	16QAM	12	13	21.29	21.53	21.33	22.5	2	
5	16QAM	25	0	21.44	21.31	21.31			
5	64QAM	1	0	21.42	21.46	21.49			
5	64QAM	1	12	21.38	21.42	21.26	22.5	2	
5	64QAM	1	24	21.39	21.35	21.41			
5	64QAM	12	0	20.40	20.42	20.44			
5	64QAM	12	7	20.43	20.41	20.48	21.5	3	
5	64QAM	12	13	20.38	20.37	20.34			
5	64QAM	25	0	20.35	20.41	20.33			
5	256QAM	1	0	18.39	18.39	18.41	19.5	5	
5	256QAM	1	12	18.44	18.42	18.30			
5	256QAM	1	24	18.47	18.49	18.39			
5	256QAM	12	0	18.45	18.43	18.44	19.5	5	
5	256QAM	12	7	18.45	18.45	18.40			
5	256QAM	12	13	18.40	18.39	18.39			
5	256QAM	25	0	18.39	18.46	18.23			

Band 41 Ant 1 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.44	23.56	23.60	23.55	23.54	24.5	0
20	QPSK	1	49	23.42	23.47	23.56	23.46	23.53		
20	QPSK	1	99	23.40	23.46	23.54	23.47	23.49		
20	QPSK	50	0	22.40	22.43	22.54	22.42	22.47	23.5	1
20	QPSK	50	24	22.37	22.49	22.53	22.44	22.48		
20	QPSK	50	50	22.36	22.42	22.46	22.34	22.37		
20	QPSK	100	0	22.32	22.41	22.49	22.35	22.41	23.5	1
20	16QAM	1	0	22.49	22.57	22.59	22.56	22.57		
20	16QAM	1	49	22.44	22.41	22.51	22.49	22.55		
20										

Band 42 Part 27Q Ant 2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.98	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04	19	1	
20	QPSK	50	24	17.97	18.09	18.00			
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14	19	1	
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04			
20	16QAM	1	99	17.96	18.03	18.01	18	2	
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08	18	2	
20	64QAM	1	99	17.01	17.02	17.03			
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02	17	3	
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15			
20	256QAM	1	0	14.07	14.14	14.04	15	5	
20	256QAM	1	49	13.92	14.08	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.05	14.01	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.02	19.04	19.04	20	0	
15	QPSK	1	37	18.96	18.99	18.89			
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01	19	1	
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.90	18.08	17.95			
15	QPSK	75	0	18.07	18.09	18.08	19	1	
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	18	2	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04	18	2	
15	16QAM	75	0	17.06	17.11	17.10			
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03	18	2	
15	64QAM	1	74	16.89	16.88	16.92			
15	64QAM	36	0	15.99	16.10	15.93			
15	64QAM	36	20	15.92	16.08	15.91	17	3	
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.91	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
15	256QAM	36	0	14.04	14.11	14.11	15	5	
15	256QAM	36	20	14.00	14.04	13.94			
15	256QAM	36	39	13.90	14.10	13.93			
15	256QAM	75	0	13.90	13.95	13.94	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.98	19.02	19.06	20	0	
10	QPSK	1	25	18.93	18.96	18.96			
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.99	18.05	17.92	19	1	
10	QPSK	25	12	17.88	18.05	17.96			
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12	19	1	
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98			
10	16QAM	1	49	17.91	17.92	17.91	18	2	
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99	18	2	
10	64QAM	1	49	16.91	16.91	16.95			
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97	17	3	
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01			
10	256QAM	1	0	13.99	14.11	13.92	15	5	
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.00	19.05	18.98	20	0	
5	QPSK	1	12	18.93	19.01	18.96			
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98	19	1	
5	QPSK	12	7	17.88	18.02	17.88			
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08	19	1	
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01			
5	16QAM	1	24	17.87	17.97	17.95	18	2	
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02	18	2	
5	64QAM	1	24	16.92	16.92	16.95			
5	64QAM	12	0	15.89	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95	17	3	
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01			
5	256QAM	1	0	14.02	14.06	13.90	15	5	
5	256QAM	1	12	13.79	14.04	13.89			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09		
20	QPSK	50	24	18.05	18.04	18.00	17.99	19	1
20	QPSK	50	50	18.01	18.11	17.87	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04		
20	16QAM	1	99	17.97	18.05	17.90	18.05		
20	16QAM	50	0	17.07	17.16	17.05	17.05	18	2
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03		
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	64QAM	1	0	17.03	17.06	17.03	17.11	18	2
20	64QAM	1	49	17.02	17.04	16.94	16.96		
20	64QAM	1	99	17.00	17.08	16.92	17.14		
20	64QAM	50	0	16.03	16.14	16.00	16.07		
20	64QAM	50	24	16.08	16.03	16.03	15.95	17	3
20	64QAM	50	50	15.95	16.15	15.90	16.03		
20	64QAM	100	0	16.01	16.17	15.91	16.01	15	5
20	256QAM	1	0	14.04	14.06	14.06	14.15		
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.97	19.10	18.98	19.03		
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.08	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.89	18.06		
15	QPSK	36	20	18.01	18.07	17.97	17.99	19	1
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98		
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00	19	1
15	16QAM	1	74	17.86	17.94	17.81	17.98		
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	64QAM	1	0	16.94	16.94	17.00	17.09		
15	64QAM	1	37	16.91	16.94	16.83	16.95		
15	64QAM	1	74	16.91	17.00	16.81	17.11	18	2
15	64QAM	36	0	15.95	16.14	15.99	16.05		
15	64QAM	36	20	16.01	15.94	15.95	15.91		
15	64QAM	36	39	15.89	16.07	15.89	16.00		
15	64QAM	75	0	15.96	16.09	15.90	15.89	17	3
15	256QAM	1	0	14.01	14.02	14.00	14.04		
15	256QAM	1	37	14.02	13.97	13.89	13.95		
15	256QAM	1	74	14.00	13.96	13.83	14.05		
15	256QAM	36	0	14.06	14.03	13.93	13.98	15	5
15	256QAM	36	20	13.99	13.96	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.97	19.10	18.98	19.07		
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99		
10	QPSK	25	12	18.01	17.98	17.99	17.88	19	1
10	QPSK	25	25	17.95	18.03	17.76	17.94		
10	QPSK	50	0	17.99	18.13	17.90	17.94		
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04	19	1
10	16QAM	1	49	17.88	18.00	17.88	17.99		
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.98	17.02	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.98	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	64QAM	1	0	16.94	17.04	16.92	17.07		
10	64QAM	1	25	17.02	16.93	16.92	16.97		
10	64QAM	1	49	16.93	17.06	16.82	17.13	18	2
10	64QAM	25	0	15.97	16.04	15.95	16.05		
10	64QAM	25	12	16.05	15.99	15.97	15.84		
10	64QAM	25	25	15.84	16.13	15.79	15.99		
10	64QAM	50	0	15.96	16.15	15.83	15.96	17	3
10	256QAM	1	0	14.04	14.03	13.95	14.07		
10	256QAM	1	25	14.02	13.98	13.93	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.93	19.11	18.96	19.07		
5	QPSK	1	12	18.98	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.96	19.03		
5	QPSK	12	0	18.03	18.12	17.93	18.04		
5	QPSK	12	7	17.95	17.98	17.91	17.88	19	1
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95		
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02	19	1
5	16QAM	1	24	17.87	18.02	17.81	18.00		
5	16QAM	12	0	16.96	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	64QAM	1	0	16.95	17.04	16.92	17.11		
5	64QAM	1	12	17.01	16.96	16.84	16.86		
5	64QAM	1	24	16.98	17.03	16.92	17.04	18	2
5	64QAM	12	0	15.98	16.03	15.94	15.98		
5	64QAM	12	7	16.00	15.94	15.97	15.84		
5	64QAM	12	13	15.87	16.08	15.81	15.99		
5	64QAM	25	0	16.00	16.16	15.85	15.97	17	3
5	256QAM	1	0	13.93	13.94	13.98	14.15		
5	256QAM	1	12	14.05	13.98	13.95	13.94		
5	256QAM	1	24	13.99	13.94	13.85	14.03		
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.86	13.99		
5	256QAM	25	0	14.03	14.09	13.83	14.02		

Band 38 Ant 3 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
									Channel	
									Frequency (MHz)	
20	QPSK	1	0	23.43	23.52	23.48	24.5	0		
20	QPSK	1	49	23.38	23.45	23.38				
20	QPSK	1	99	23.40	23.40	23.37				
20	QPSK	50	0	22.37	22.57	22.43	23.5	1		
20	QPSK	50	24	22.34	22.49	22.37				
20	QPSK	50	50	22.41	22.42	22.33				
20	QPSK	100	0	22.46	22.52	22.50	23.5	1		
20	16QAM	1	0	22.44	22.54	22.47				
20	16QAM	1	49	22.38	22.51	22.36				
20	16QAM	1	99	22.39	22.39	22.34	22.5	2		
20	16QAM	50	0	21.36	21.56	21.37				
20	16QAM	50	24	21.36	21.54	21.35				
20	16QAM	50	50	21.42	21.43	21.29	22.5	2		
20	16QAM	100	0	21.40	21.53	21.47				
20	64QAM	1	0	21.50	21.56	21.43				
20	64QAM	1	49	21.43	21.52	21.36	22.5	2		
20	64QAM	1	99	21.33	21.41	21.31				
20	64QAM	50	0	20.39	20.58	20.44				
20	64QAM	50	24	20.35	20.54	20.32	21.5	3		
20	64QAM	50	50	20.41	20.47	20.31				
20	64QAM	100	0	20.48	20.58	20.45				
20	256QAM	1	0	18.32	18.52	18.37	19.5	5		
20	256QAM	1	49	18.40	18.48	18.40				
20	256QAM	1	99	18.44	18.37	18.35				
20	256QAM	50	0	18.46	18.48	18.46	19.5	5		
20	256QAM	50	24	18.45	18.58	18.42				
20	256QAM	50	50	18.43	18.54	18.34				
20	256QAM	100	0	18.38	18.42	18.29				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.29	23.45	23.45	24.5	0		
15	QPSK	1	37	23.31	23.38	23.27				
15	QPSK	1	74	23.36	23.27	23.34				
15	QPSK	36	0	22.25	22.47	22.32	23.5	1		
15	QPSK	36	20	22.31	22.41	22.29				
15	QPSK	36	39	22.27	22.36	22.22				
15	QPSK	75	0	22.42	22.47	22.40	23.5	1		
15	16QAM	1	0	22.33	22.40	22.39				
15	16QAM	1	37	22.31	22.38	22.25				
15	16QAM	1	74	22.27	22.31	22.25	22.5	2		
15	16QAM	36	0	21.27	21.45	21.27				
15	16QAM	36	20	21.28	21.45	21.28				
15	16QAM	36	39	21.29	21.37	21.24	22.5	2		
15	16QAM	75	0	21.32	21.43	21.45				
15	64QAM	1	0	21.41	21.49	21.30				
15	64QAM	1	37	21.35	21.39	21.32	22.5	2		
15	64QAM	1	74	21.25	21.29	21.26				
15	64QAM	36	0	20.32	20.51	20.32				
15	64QAM	36	20	20.32	20.48	20.23	21.5	3		
15	64QAM	36	39	20.37	20.36	20.20				
15	64QAM	75	0	20.40	20.51	20.37				
15	256QAM	1	0	18.20	18.41	18.33	19.5	5		
15	256QAM	1	37	18.30	18.38	18.34				
15	256QAM	1	74	18.32	18.28	18.30				
15	256QAM	36	0	18.39	18.41	18.43	19.5	5		
15	256QAM	36	20	18.35	18.50	18.32				
15	256QAM	36	39	18.39	18.44	18.23				
15	256QAM	75	0	18.27	18.35	18.25				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.34	23.39	23.43	24.5	0		
10	QPSK	1	25	23.27	23.39	23.32				
10	QPSK	1	49	23.38	23.33	23.25				
10	QPSK	25	0	22.24	22.46	22.36	23.5	1		
10	QPSK	25	12	22.24	22.37	22.31				
10	QPSK	25	25	22.37	22.37	22.20				
10	QPSK	50	0	22.39	22.46	22.43	23.5	1		
10	16QAM	1	0	22.33	22.48	22.35				
10	16QAM	1	25	22.27	22.45	22.22				
10	16QAM	1	49	22.35	22.31	22.27	22.5	2		
10	16QAM	25	0	21.32	21.53	21.31				
10	16QAM	25	12	21.32	21.50	21.17				
10	16QAM	25	25	21.28	21.40	21.17	22.5	2		
10	16QAM	50	0	21.30	21.42	21.40				
10	64QAM	1	0	21.43	21.53	21.34				
10	64QAM	1	25	21.34	21.44	21.27	22.5	2		
10	64QAM	1	49	21.19	21.35	21.29				
10	64QAM	25	0	20.34	20.52	20.41				
10	64QAM	25	12	20.27	20.50	20.19	21.5	3		
10	64QAM	25	25	20.38	20.36	20.25				
10	64QAM	50	0	20.43	20.52	20.32				
10	256QAM	1	0	18.28	18.50	18.33	19.5	5		
10	256QAM	1	25	18.27	18.39	18.36				
10	256QAM	1	49	18.39	18.27	18.33				
10	256QAM	25	0	18.39	18.35	18.39	19.5	5		
10	256QAM	25	12	18.34	18.50	18.31				
10	256QAM	25	25	18.34	18.47	18.23				
10	256QAM	50	0	18.34	18.32	18.26				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.38	23.39	23.37	24.5	0		
5	QPSK	1	12	23.28	23.36	23.29				
5	QPSK	1	24	23.30	23.26	23.27				
5	QPSK	12	0	22.23	22.51	22.34	23.5	1		
5	QPSK	12	7	22.29	22.36	22.35				
5	QPSK	12	13	22.31	22.30	22.27				
5	QPSK	25	0	22.43	22.48	22.46	23.5	1		
5	16QAM	1	0	22.41	22.46	22.40				
5	16QAM	1	12	22.29	22.41	22.31				
5	16QAM	1	24	22.26	22.28	22.22	22.5	2		
5	16QAM	12	0	21.25	21.43	21.29				
5	16QAM	12	7	21.28	21.41	21.24				
5	16QAM	12	13	21.34	21.32	21.22	22.5	2		
5	16QAM	25	0	21.31	21.43	21.34				
5	64QAM	1	0	21.42	21.47	21.32				
5	64QAM	1	12	21.36	21.42	21.27	22.5	2		
5	64QAM	1	24	21.21	21.33	21.22				
5	64QAM	12	0	20.35	20.54	20.37				
5	64QAM	12	7	20.31	20.50	20.25	21.5	3		
5	64QAM	12	13	20.33	20.44	20.22				
5	64QAM	25	0	20.43	20.47	20.37				
5	256QAM	1	0	18.23	18.38	18.26	19.5	5		
5	256QAM	1	12	18.33	18.34	18.33				
5	256QAM	1	24	18.30	18.25	18.24				
5	256QAM	12	0	18.44	18.38	18.33	19.5	5		
5	256QAM	12	7	18.38	18.55	18.30				
5	256QAM	12	13	18.39	18.42	18.21				
5	256QAM	25	0	18.24	18.31	18.18				

Band 42 Part 27Q Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	21.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.46	20.47	20.22			
20	QPSK	1	49	20.42	20.41	20.19			
20	QPSK	1	99	20.42	20.46	20.19	20.5	1	
20	QPSK	50	0	19.47	19.47	19.21			
20	QPSK	50	24	19.44	19.42	19.23			
20	QPSK	50	50	19.46	19.42	19.20			
20	QPSK	100	0	19.37	19.41	19.16	20.5	1	
20	16QAM	1	0	19.41	19.41	19.19			
20	16QAM	1	49	19.46	19.47	19.19			
20	16QAM	1	99	19.46	19.50	19.23			
20	16QAM	50	0	18.51	18.45	18.26	19.5	2	
20	16QAM	50	24	18.41	18.43	18.25			
20	16QAM	50	50	18.46	18.44	18.24			
20	16QAM	100	0	18.38	18.36	18.19			
20	64QAM	1	0	18.38	18.43	18.08	19.5	2	
20	64QAM	1	49	18.32	18.35	18.13			
20	64QAM	1	99	18.37	18.35	18.08			
20	64QAM	50	0	17.35	17.41	17.16			
20	64QAM	50	24	17.29	17.30	17.12	18.5	3	
20	64QAM	50	50	17.35	17.34	17.16			
20	64QAM	100	0	17.22	17.36	17.03			
20	256QAM	1	0	15.40	15.43	15.27			
20	256QAM	1	49	15.37	15.42	15.24	16.5	5	
20	256QAM	1	99	15.39	15.42	15.23			
20	256QAM	50	0	15.37	15.39	15.05			
20	256QAM	50	24	15.37	15.33	15.16			
20	256QAM	50	50	15.40	15.30	15.16	16.5	5	
20	256QAM	100	0	15.27	15.32	15.08			
Channel				42165	42590	43015	21.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.46	20.46	20.18			
15	QPSK	1	37	20.39	20.39	20.11			
15	QPSK	1	74	20.32	20.39	20.14	20.5	1	
15	QPSK	36	0	19.46	19.45	19.20			
15	QPSK	36	20	19.39	19.32	19.12			
15	QPSK	36	39	19.41	19.34	19.09			
15	QPSK	75	0	19.28	19.40	19.06	20.5	1	
15	16QAM	1	0	19.41	19.40	19.14			
15	16QAM	1	37	19.42	19.39	19.17			
15	16QAM	1	74	19.36	19.47	19.19			
15	16QAM	36	0	18.41	18.41	18.25	19.5	2	
15	16QAM	36	20	18.29	18.39	18.19			
15	16QAM	36	39	18.37	18.34	18.21			
15	16QAM	75	0	18.27	18.32	18.14			
15	64QAM	1	0	18.28	18.36	18.01	19.5	2	
15	64QAM	1	37	18.30	18.30	18.02			
15	64QAM	1	74	18.36	18.28	18.07			
15	64QAM	36	0	17.26	17.32	17.08			
15	64QAM	36	20	17.25	17.27	17.04	18.5	3	
15	64QAM	36	39	17.27	17.31	17.05			
15	64QAM	75	0	17.13	17.26	17.00			
15	256QAM	1	0	15.31	15.37	15.24			
15	256QAM	1	37	15.27	15.37	15.18	16.5	5	
15	256QAM	1	74	15.32	15.34	15.12			
15	256QAM	36	0	15.33	15.37	14.98			
15	256QAM	36	20	15.33	15.22	15.07			
15	256QAM	36	39	15.40	15.27	15.07	16.5	5	
15	256QAM	75	0	15.24	15.23	15.00			
Channel				42140	42590	43040	21.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.38	20.42	20.16			
10	QPSK	1	25	20.31	20.31	20.15			
10	QPSK	1	49	20.33	20.43	20.12	20.5	1	
10	QPSK	25	0	19.41	19.38	19.18			
10	QPSK	25	12	19.41	19.37	19.21			
10	QPSK	25	25	19.36	19.41	19.11			
10	QPSK	50	0	19.27	19.39	19.06	20.5	1	
10	16QAM	1	0	19.40	19.33	19.17			
10	16QAM	1	25	19.39	19.36	19.14			
10	16QAM	1	49	19.35	19.48	19.16			
10	16QAM	25	0	18.41	18.39	18.17	19.5	2	
10	16QAM	25	12	18.40	18.40	18.18			
10	16QAM	25	25	18.44	18.38	18.15			
10	16QAM	50	0	18.29	18.36	18.12			
10	64QAM	1	0	18.28	18.35	18.00	19.5	2	
10	64QAM	1	25	18.29	18.29	18.02			
10	64QAM	1	49	18.29	18.28	18.02			
10	64QAM	25	0	17.35	17.37	17.07			
10	64QAM	25	12	17.17	17.25	17.04	18.5	3	
10	64QAM	25	25	17.27	17.30	17.14			
10	64QAM	50	0	17.13	17.24	16.96			
10	256QAM	1	0	15.37	15.40	15.15			
10	256QAM	1	25	15.27	15.32	15.18	16.5	5	
10	256QAM	1	49	15.32	15.34	15.19			
10	256QAM	25	0	15.33	15.29	14.99			
10	256QAM	25	12	15.36	15.21	15.13			
10	256QAM	25	25	15.32	15.24	15.09	16.5	5	
10	256QAM	50	0	15.25	15.26	15.00			
Channel				42115	42590	43065	21.5	0	
Frequency (MHz)				3452	3500	3547.5			
5	QPSK	1	0	20.42	20.43	20.22			
5	QPSK	1	12	20.38	20.33	20.11			
5	QPSK	1	24	20.39	20.34	20.09	20.5	1	
5	QPSK	12	0	19.43	19.37	19.17			
5	QPSK	12	7	19.41	19.38	19.13			
5	QPSK	12	13	19.40	19.35	19.10			
5	QPSK	25	0	19.29	19.32	19.09	20.5	1	
5	16QAM	1	0	19.37	19.34	19.08			
5	16QAM	1	12	19.42	19.44	19.19			
5	16QAM	1	24	19.42	19.40	19.13			
5	16QAM	12	0	18.47	18.40	18.23	19.5	2	
5	16QAM	12	7	18.30	18.42	18.22			
5	16QAM	12	13	18.37	18.43	18.12			
5	16QAM	25	0	18.31	18.30	18.08			
5	64QAM	1	0	18.36	18.41	18.02	19.5	2	
5	64QAM	1	12	18.23	18.27	18.06			
5	64QAM	1	24	18.30	18.25	18.04			
5	64QAM	12	0	17.26	17.41	17.10			
5	64QAM	12	7	17.23	17.19	17.01	18.5	3	
5	64QAM	12	13	17.33	17.24	17.09			
5	64QAM	25	0	17.16	17.24	16.95			
5	256QAM	1	0	15.32	15.33	15.16			
5	256QAM	1	12	15.26	15.38	15.22	16.5	5	
5	256QAM	1	24	15.37	15.34	15.17			
5	256QAM	12	0	15.37	15.27	15.02			
5	256QAM	12	7	15.25	15.29	15.16			
5	256QAM	12	13	15.33	15.29	15.12	16.5	5	
5	256QAM	25	0	15.22	15.24	15.06			

Band 48 Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	21.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.44	20.46	20.39	20.38		
20	QPSK	1	49	20.33	20.45	20.29	20.36		
20	QPSK	1	99	20.36	20.45	20.32	20.32		
20	QPSK	50	0	19.40	19.47	19.41	19.38		
20	QPSK	50	24	19.48	19.48	19.33	19.34		
20	QPSK	50	50	19.37	19.42	19.36	19.34		
20	QPSK	100	0	19.32	19.47	19.37	19.32		
20	16QAM	1	0	19.41	19.48	19.37	19.35		
20	16QAM	1	49	19.35	19.43	19.30	19.30		
20	16QAM	1	99	19.37	19.51	19.28	19.36		
20	16QAM	50	0	18.42	18.50	18.40	18.33		
20	16QAM	50	24	18.50	18.47	18.32	18.31		
20	16QAM	50	50	18.35	18.40	18.38	18.34		
20	16QAM	100	0	18.37	18.49	18.32	18.34		
20	64QAM	1	0	18.50	18.40	18.38	18.32		
20	64QAM	1	49	18.38	18.49	18.25	18.30		
20	64QAM	1	99	18.32	18.42	18.34	18.37		
20	64QAM	50	0	17.37	17.49	17.41	17.33		
20	64QAM	50	24	17.44	17.48	17.39	17.33		
20	64QAM	50	50	17.35	17.40	17.35	17.29		
20	64QAM	100	0	17.32	17.41	17.31	17.34		
20	256QAM	1	0	15.40	15.44	15.34	15.35		
20	256QAM	1	49	15.31	15.46	15.32	15.32		
20	256QAM	1	99	15.41	15.51	15.29	15.31		
20	256QAM	50	0	15.40	15.43	15.37	15.40		
20	256QAM	50	24	15.51	15.50	15.39	15.38		
20	256QAM	50	50	15.37	15.41	15.41	15.36		
20	256QAM	100	0	15.30	15.46	15.34	15.32		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	21.5	0
15	QPSK	1	0	20.41	20.43	20.37	20.33		
15	QPSK	1	37	20.23	20.34	20.28	20.35		
15	QPSK	1	74	20.32	20.33	20.28	20.31		
15	QPSK	36	0	19.39	19.41	19.35	19.29		
15	QPSK	36	20	19.40	19.47	19.25	19.33		
15	QPSK	36	39	19.29	19.38	19.32	19.33		
15	QPSK	75	0	19.21	19.38	19.34	19.31		
15	16QAM	1	0	19.37	19.48	19.32	19.35		
15	16QAM	1	37	19.26	19.38	19.23	19.24		
15	16QAM	1	74	19.35	19.39	19.25	19.27		
15	16QAM	36	0	18.40	18.41	18.36	18.25		
15	16QAM	36	20	18.45	18.44	18.28	18.20		
15	16QAM	36	39	18.34	18.30	18.34	18.33		
15	16QAM	75	0	18.29	18.39	18.21	18.24		
15	64QAM	1	0	18.42	18.34	18.28	18.24		
15	64QAM	1	37	18.32	18.37	18.23	18.28		
15	64QAM	1	74	18.29	18.37	18.30	18.34		
15	64QAM	36	0	17.36	17.49	17.31	17.33		
15	64QAM	36	20	17.36	17.46	17.35	17.25		
15	64QAM	36	39	17.27	17.37	17.28	17.19		
15	64QAM	75	0	17.30	17.38	17.22	17.33		
15	256QAM	1	0	15.32	15.36	15.30	15.30		
15	256QAM	1	37	15.30	15.45	15.24	15.24		
15	256QAM	1	74	15.31	15.47	15.20	15.29		
15	256QAM	36	0	15.37	15.39	15.36	15.33		
15	256QAM	36	20	15.47	15.42	15.36	15.30		
15	256QAM	36	39	15.25	15.33	15.31	15.33		
15	256QAM	75	0	15.25	15.41	15.26	15.26		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695	21.5	0
10	QPSK	1	0	20.43	20.45	20.34	20.31		
10	QPSK	1	25	20.28	20.39	20.24	20.33		
10	QPSK	1	49	20.29	20.37	20.22	20.31		
10	QPSK	25	0	19.35	19.42	19.35	19.30		
10	QPSK	25	12	19.48	19.41	19.25	19.34		
10	QPSK	25	25	19.25	19.38	19.24	19.31		
10	QPSK	50	0	19.25	19.39	19.35	19.26		
10	16QAM	1	0	19.41	19.40	19.35	19.27		
10	16QAM	1	25	19.30	19.35	19.23	19.19		
10	16QAM	1	49	19.30	19.44	19.22	19.36		
10	16QAM	25	0	18.34	18.41	18.31	18.26		
10	16QAM	25	12	18.50	18.36	18.29	18.24		
10	16QAM	25	25	18.35	18.37	18.31	18.29		
10	16QAM	50	0	18.35	18.46	18.28	18.29		
10	64QAM	1	0	18.50	18.29	18.26	18.24		
10	64QAM	1	25	18.29	18.37	18.13	18.27		
10	64QAM	1	49	18.24	18.37	18.28	18.27		
10	64QAM	25	0	17.31	17.43	17.31	17.25		
10	64QAM	25	12	17.33	17.44	17.35	17.25		
10	64QAM	25	25	17.35	17.38	17.30	17.24		
10	64QAM	50	0	17.28	17.31	17.29	17.32		
10	256QAM	1	0	15.37	15.42	15.33	15.27		
10	256QAM	1	25	15.20	15.39	15.28	15.31		
10	256QAM	1	49	15.31	15.48	15.23	15.28		
10	256QAM	25	0	15.28	15.35	15.27	15.30		
10	256QAM	25	12	15.49	15.39	15.33	15.27		
10	256QAM	25	25	15.28	15.33	15.28	15.23		
10	256QAM	50	0	15.25	15.43	15.28	15.28		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3532.5	3607	3643	3697.5	21.5	0
5	QPSK	1	0	20.42	20.43	20.38	20.32		
5	QPSK	1	12	20.28	20.35	20.24	20.26		
5	QPSK	1	24	20.33	20.40	20.30	20.30		
5	QPSK	12	0	19.38	19.44	19.36	19.38		
5	QPSK	12	7	19.39	19.45	19.25	19.26		
5	QPSK	12	13	19.33	19.34	19.25	19.29		
5	QPSK	25	0	19.23	19.39	19.26	19.23		
5	16QAM	1	0	19.32	19.41	19.31	19.24		
5	16QAM	1	12	19.32	19.35	19.27	19.24		
5	16QAM	1	24	19.25	19.42	19.22	19.31		
5	16QAM	12	0	18.38	18.48	18.37	18.25		
5	16QAM	12	7	18.41	18.39	18.26	18.25		
5	16QAM	12	13	18.28	18.37	18.37	18.33		
5	16QAM	25	0	18.26	18.42	18.24	18.29		
5	64QAM	1	0	18.41	18.30	18.36	18.23		
5	64QAM	1	12	18.37	18.44	18.22	18.24		
5	64QAM	1	24	18.25	18.38	18.31	18.29		
5	64QAM	12	0	17.32	17.42	17.33	17.22		
5	64QAM	12	7	17.39	17.38	17.32	17.21		
5	64QAM	12	13	17.32	17.29	17.31	17.24		
5	64QAM	25	0	17.31	17.40	17.24	17.24		
5	256QAM	1	0	15.30	15.42	15.26	15.24		
5	256QAM	1	12	15.29	15.41	15.24	15.28		
5	256QAM	1	24	15.30	15.50	15.24	15.21		
5	256QAM	12	0	15.30	15.34	15.34	15.33		
5	256QAM	12	7	15.46	15.41	15.39	15.33		
5	256QAM	12	13	15.33	15.31	15.30	15.35		
5	256QAM	25	0	15.28	15.38	15.32	15.24		

Band 38 Ant 4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.12	19.19	19.07	20.5	0	
20	QPSK	1	49	19.08	19.17	19.03			
20	QPSK	1	99	18.98	19.05	18.98			
20	QPSK	50	0	19.09	19.13	18.96	20.5	0	
20	QPSK	50	24	18.98	19.17	18.99			
20	QPSK	50	50	19.06	19.06	18.94			
20	QPSK	100	0	18.99	19.08	19.01	20.5	0	
20	16QAM	1	0	19.06	19.06	18.96			
20	16QAM	1	49	19.03	19.06	18.92			
20	16QAM	1	99	18.86	19.00	18.91	20.5	0	
20	16QAM	50	0	19.05	19.08	18.90			
20	16QAM	50	24	18.92	19.14	18.97			
20	16QAM	50	50	18.99	18.92	18.84	20.5	0	
20	16QAM	100	0	18.94	18.98	18.90			
20	64QAM	1	0	19.07	19.07	18.99			
20	64QAM	1	49	19.03	19.07	19.00	20.5	0	
20	64QAM	1	99	18.85	18.97	18.87			
20	64QAM	50	0	19.00	19.06	18.85			
20	64QAM	50	24	18.91	19.13	18.89	20.5	0	
20	64QAM	50	50	18.97	18.95	18.88			
20	64QAM	100	0	18.94	18.97	18.92			
20	256QAM	1	0	18.08	18.18	18.11	19.5	1	
20	256QAM	1	49	18.13	18.20	18.03			
20	256QAM	1	99	18.03	18.01	17.94			
20	256QAM	50	0	18.05	18.14	17.90	19.5	1	
20	256QAM	50	24	17.93	18.13	17.97			
20	256QAM	50	50	18.15	18.08	17.88			
20	256QAM	100	0	18.05	18.09	17.98			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.01	19.09	18.98	20.5	0	
15	QPSK	1	37	18.98	19.07	18.92			
15	QPSK	1	74	18.88	18.92	18.91			
15	QPSK	36	0	19.00	19.01	18.85	20.5	0	
15	QPSK	36	20	18.94	19.13	18.90			
15	QPSK	36	39	18.95	18.95	18.90			
15	QPSK	75	0	18.96	19.01	18.93	20.5	0	
15	16QAM	1	0	18.96	18.96	18.93			
15	16QAM	1	37	18.99	18.96	18.80			
15	16QAM	1	74	18.76	18.87	18.79	20.5	0	
15	16QAM	36	0	18.97	19.02	18.84			
15	16QAM	36	20	18.87	19.05	18.89			
15	16QAM	36	39	18.91	18.83	18.76	20.5	0	
15	16QAM	75	0	18.83	18.94	18.86			
15	64QAM	1	0	18.96	18.95	18.92			
15	64QAM	1	37	18.95	19.04	18.93	20.5	0	
15	64QAM	1	74	18.83	18.88	18.78			
15	64QAM	36	0	18.95	19.02	18.77			
15	64QAM	36	20	18.87	19.09	18.82	20.5	0	
15	64QAM	36	39	18.93	18.87	18.77			
15	64QAM	75	0	18.90	18.86	18.78			
15	256QAM	1	0	18.02	18.12	18.08	19.5	1	
15	256QAM	1	37	18.05	18.13	18.00			
15	256QAM	1	74	17.94	17.91	17.84			
15	256QAM	36	0	17.91	18.06	17.83	19.5	1	
15	256QAM	36	20	17.85	18.09	17.94			
15	256QAM	36	39	18.05	18.04	17.82			
15	256QAM	75	0	17.96	18.04	17.91			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.06	19.05	19.01	20.5	0	
10	QPSK	1	25	18.95	19.08	18.98			
10	QPSK	1	49	18.90	19.00	18.90			
10	QPSK	25	0	18.98	19.05	18.89	20.5	0	
10	QPSK	25	12	18.90	19.08	18.93			
10	QPSK	25	25	19.02	19.00	18.92			
10	QPSK	50	0	18.89	18.95	18.87	20.5	0	
10	16QAM	1	0	19.03	19.00	18.86			
10	16QAM	1	25	18.95	18.95	18.80			
10	16QAM	1	49	18.72	18.86	18.86	20.5	0	
10	16QAM	25	0	18.96	19.02	18.79			
10	16QAM	25	12	18.80	19.10	18.89			
10	16QAM	25	25	18.88	18.83	18.79	20.5	0	
10	16QAM	50	0	18.85	18.85	18.82			
10	64QAM	1	0	19.02	18.96	18.93			
10	64QAM	1	25	18.95	18.98	18.88	20.5	0	
10	64QAM	1	49	18.72	18.87	18.73			
10	64QAM	25	0	18.87	18.94	18.75			
10	64QAM	25	12	18.85	19.08	18.75	20.5	0	
10	64QAM	25	25	18.87	18.86	18.78			
10	64QAM	50	0	18.91	18.86	18.80			
10	256QAM	1	0	17.97	18.16	18.05	19.5	1	
10	256QAM	1	25	18.03	18.12	17.94			
10	256QAM	1	49	17.93	17.88	17.86			
10	256QAM	25	0	17.99	18.12	17.78	19.5	1	
10	256QAM	25	12	17.81	18.05	17.90			
10	256QAM	25	25	18.10	17.99	17.85			
10	256QAM	50	0	17.95	18.01	17.93			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.09	19.10	19.05	20.5	0	
5	QPSK	1	12	18.98	19.13	18.89			
5	QPSK	1	24	18.96	19.00	18.93			
5	QPSK	12	0	18.98	19.09	18.92	20.5	0	
5	QPSK	12	7	18.96	19.13	18.93			
5	QPSK	12	13	19.07	19.00	18.91			
5	QPSK	25	0	18.95	18.94	18.88	20.5	0	
5	16QAM	1	0	18.95	19.00	18.91			
5	16QAM	1	12	18.98	18.93	18.87			
5	16QAM	1	24	18.83	18.96	18.78	20.5	0	
5	16QAM	12	0	18.87	19.03	18.76			
5	16QAM	12	7	18.88	19.05	18.85			
5	16QAM	12	13	18.96	18.86	18.79	20.5	0	
5	16QAM	25	0	18.87	18.89	18.78			
5	64QAM	1	0	18.99	18.97	18.96			
5	64QAM	1	12	18.91	19.05	18.88	20.5	0	
5	64QAM	1	24	18.79	18.84	18.82			
5	64QAM	12	0	18.94	19.02	18.81			
5	64QAM	12	7	18.82	19.07	18.85	20.5	0	
5	64QAM	12	13	18.88	18.92	18.78			
5	64QAM	25	0	18.84	18.87	18.89			
5	256QAM	1	0	17.96	18.11	17.98	19.5	1	
5	256QAM	1	12	18.08	18.16	17.90			
5	256QAM	1	24	18.00	17.94	17.88			
5	256QAM	12	0	17.97	18.11	17.77	19.5	1	
5	256QAM	12	7	17.80	18.09	17.90			
5	256QAM	12	13	18.02	18.02	17.75			
5	256QAM	25	0	18.02	18.04	17.92			

Band 41 Ant 4 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.18	19.14	19.24	19.12	19.17	20.5	0
20	QPSK	1	49	19.12	19.18	19.20	19.05	19.12		
20	QPSK	1	99	19.00	19.03	19.09	19.02	19.05		
20	QPSK	50	0	19.11	19.18	19.13	19.02	19.08	20.5	0
20	QPSK	50	24	19.10	19.05	19.19	18.99	19.10		
20	QPSK	50	50	19.02	19.16	19.10	18.95	19.07		
20	QPSK	100	0	19.06	19.05	19.17	19.04	19.15	20.5	0
20	16QAM	1	0	19.00	19.11	19.06	19.07	19.03		
20	16QAM	1	49	19.09	19.11	19.10	18.99	19.09		
20	16QAM	1	99	19.00	18.86	19.04	18.90	19.02	20.5	0
20	16QAM	50	0	19.17	19.09	19.17	18.90	19.13		
20	16QAM	50	24	19.18	19.00	19.21	19.08	19.15		
20	16QAM	50	50	18.92	19.03	18.94	18.87	18.91	20.5	0
20	16QAM	100	0	19.05	19.04	19.08	18.95	19.04		
20	64QAM	1	0	19.03	19.08	19.12	19.06	19.06		20.5
20	64QAM	1	49	19.00	19.04	19.07	18.94	18.99		
20	64QAM	1	99	18.93	18.96	19.02	18.87	18.96		
20	64QAM	50	0	19.09	19.07	19.09	18.91	19.02	20.5	0
20	64QAM	50	24	19.15	19.01	19.18	18.92	19.14		
20	64QAM	50	50	18.93	19.07	19.03	18.92	18.93		
20	64QAM	100	0	18.91	19.02	19.00	18.92	19.00	19.5	1
20	256QAM	1	0	18.29	18.17	18.28	18.17	18.24		
20	256QAM	1	49	18.18	18.16	18.28	18.07	18.26		
20	256QAM	1	99	18.08	18.12	18.09	17.95	18.10	19.5	1
20	256QAM	50	0	18.10	18.11	18.17	17.90	18.15		
20	256QAM	50	24	18.13	17.97	18.15	17.98	18.07		
20	256QAM	50	50	18.08	18.23	18.12	17.96	18.09	20.5	0
20	256QAM	100	0	18.05	18.09	18.11	18.06	18.00		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.09	19.09	19.20	19.11	19.11	20.50	0
15	QPSK	1	37	19.01	19.14	19.14	18.95	19.12		
15	QPSK	1	74	18.90	18.99	19.00	18.93	19.00		
15	QPSK	36	0	19.07	19.15	19.07	18.96	19.09	20.5	0
15	QPSK	36	20	19.04	19.01	19.11	19.04	19.08		
15	QPSK	36	39	18.94	19.15	19.00	18.87	19.00		
15	QPSK	75	0	18.97	19.04	19.13	18.98	19.10	20.5	0
15	16QAM	1	0	18.91	19.03	19.01	19.02	18.92		
15	16QAM	1	37	19.06	19.06	19.03	18.97	19.07		
15	16QAM	1	74	18.93	18.77	19.01	18.81	18.98	20.5	0
15	16QAM	36	0	19.13	19.07	19.18	18.80	19.05		
15	16QAM	36	20	19.11	18.96	19.14	19.00	19.14		
15	16QAM	36	39	18.83	18.94	18.85	18.87	18.81	20.5	0
15	16QAM	75	0	18.98	18.98	19.07	18.95	19.00		
15	64QAM	1	0	18.97	19.05	19.10	19.03	18.94		
15	64QAM	1	37	18.97	18.98	18.97	19.06	18.98	20.5	0
15	64QAM	1	74	18.90	18.94	18.98	18.77	19.01		
15	64QAM	36	0	19.06	19.05	19.07	18.84	19.00		
15	64QAM	36	20	19.06	18.96	19.14	18.85	19.14	20.5	0
15	64QAM	36	39	18.90	19.03	19.01	18.92	18.92		
15	64QAM	75	0	18.80	19.00	18.96	18.87	18.97		
15	256QAM	1	0	18.19	18.12	18.21	18.07	18.18	19.5	1
15	256QAM	1	37	18.18	18.08	18.18	17.99	18.24		
15	256QAM	1	74	17.98	18.05	18.00	17.85	18.02		
15	256QAM	36	0	18.03	18.08	19.11	17.82	18.13	19.5	1
15	256QAM	36	20	18.07	17.94	18.08	17.98	18.07		
15	256QAM	36	39	18.01	18.12	18.10	17.96	18.01		
15	256QAM	75	0	18.02	17.99	18.09	18.06	17.90	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.14	19.06	19.16	19.09	19.14	20.50	0
10	QPSK	1	25	19.06	19.10	19.11	19.03	19.13		
10	QPSK	1	49	18.94	19.02	19.03	19.00	18.97		
10	QPSK	25	0	19.07	19.09	19.09	19.01	19.01	20.5	0
10	QPSK	25	12	19.05	19.02	19.10	18.98	19.07		
10	QPSK	25	25	18.94	19.16	19.05	18.96	19.03		
10	QPSK	50	0	19.03	19.00	19.15	18.93	19.15	20.5	0
10	16QAM	1	0	18.96	19.03	19.00	19.06	18.96		
10	16QAM	1	25	19.06	19.10	19.10	18.90	19.01		
10	16QAM	1	49	18.92	18.77	19.01	18.89	18.91	20.5	0
10	16QAM	25	0	19.09	19.01	19.16	18.86	19.04		
10	16QAM	25	12	19.18	18.98	19.15	19.06	19.07		
10	16QAM	25	25	18.86	19.00	18.85	18.81	18.92	20.5	0
10	16QAM	50	0	19.04	19.04	19.04	18.90	19.05		
10	64QAM	1	0	19.01	19.08	19.03	19.07	19.04		
10	64QAM	1	25	18.93	18.94	19.06	19.03	18.90	20.5	0
10	64QAM	1	49	18.86	18.89	19.02	18.84	18.91		
10	64QAM	25	0	19.03	19.05	19.05	18.83	18.91		
10	64QAM	25	12	19.10	18.93	19.08	18.89	19.11	20.5	0
10	64QAM	25	25	18.88	19.04	19.02	18.92	18.83		
10	64QAM	50	0	18.89	18.99	18.92	18.86	18.91		
10	256QAM	1	0	18.29	18.07	18.18	18.14	18.23	19.5	1
10	256QAM	1	25	18.09	18.07	18.24	17.97	18.26		
10	256QAM	1	49	18.05	18.01	17.98	17.89	18.07		
10	256QAM	25	0	18.05	18.05	18.18	17.86	18.08	19.5	1
10	256QAM	25	12	18.11	17.95	18.16	17.91	18.02		
10	256QAM	25	25	18.06	18.23	18.01	17.95	18.02		
10	256QAM	50	0	17.96	18.01	18.08	18.06	17.90	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41585		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.14	19.09	19.15	19.13	19.07	20.50	0
5	QPSK	1	12	19.10	19.17	19.13	19.10	19.06		
5	QPSK	1	24	18.92	18.93	19.03	19.00	19.02		
5	QPSK	12	0	19.02	19.09	19.05	19.00	19.01	20.5	0
5	QPSK	12	7	19.08	19.01	19.16	18.92	19.08		
5	QPSK	12	13	18.91	19.10	19.11	18.84	19.03		
5	QPSK	25	0	19.03	18.96	19.17	19.00	19.11	20.5	0
5	16QAM	1	0	18.99	19.05	18.96	19.02	19.03		
5	16QAM	1	12	19.04	19.03	19.08	18.99	19.02		
5	16QAM	1	24	18.95	18.77	18.98	18.84	18.95	20.5	0
5	16QAM	12	0	19.15	19.00	19.08	18.89	19.11		
5	16QAM	12	7	19.17	18.92	19.19	19.05	19.08		
5	16QAM	12	13	18.87	18.96	18.91	18.87	18.89	20.5	0
5	16QAM	25	0	19.04	18.98	18.99	18.92	18.99		
5	64QAM	1	0	19.02	19.02	19.01	19.03	19.01		
5	64QAM	1	12	18.94	18.96	19.07	19.01	18.93	20.5	0
5	64QAM	1	24	18.85	18.92	19.02	18.84	18.86		
5	64QAM	12	0	19.08	19.03	19.04	18.81	18.93		
5	64QAM	12	7	19.11	18.96	19.09	18.91	19.10	20.5	0
5	64QAM	12	13	18.88	19.04	18.96	18.89	18.85		
5	64QAM	25	0	18.84	18.94	18.96	18.82	18.83		
5	256QAM	1	0	18.27	18.18	18.17	18.10	18.23	19.5	1
5	256QAM	1	12	18.13	18.14	18.20	18.05	18.19		
5	256QAM	1	24	17.98	18.02	18.00	17.87	18.09		
5	256QAM	12	0	18.04	18.06	18.07	17.85	18.15	19.5	1
5	256QAM	12	7	18.13	17.94	18.16	17.93	17.99		
5	256QAM	12	13	18.06	18.13	18.13	17.93	17.98		
5	256QAM	25	0	18.00	17.99	18.04	18.05	17.95		

Band 42 Part 27Q Ant 5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.51	18.56	18.52	19.5	0	
20	QPSK	1	49	18.47	18.45	18.44			
20	QPSK	1	99	18.48	18.49	18.43			
20	QPSK	50	0	18.43	18.54	18.39	19.5	0	
20	QPSK	50	24	18.43	18.49	18.38			
20	QPSK	50	50	18.44	18.48	18.45			
20	QPSK	100	0	18.48	18.52	18.46	19.5	0	
20	16QAM	1	0	18.41	18.47	18.40			
20	16QAM	1	49	18.44	18.39	18.35			
20	16QAM	1	99	18.44	18.45	18.40	19.5	0	
20	16QAM	50	0	18.37	18.47	18.27			
20	16QAM	50	24	18.38	18.46	18.27			
20	16QAM	50	50	18.32	18.35	18.33	19.5	0	
20	16QAM	100	0	18.34	18.46	18.39			
20	64QAM	1	0	18.44	18.50	18.45	19.5	0	
20	64QAM	1	49	18.43	18.41	18.40			
20	64QAM	1	99	18.43	18.47	18.37			
20	64QAM	50	0	18.35	18.46	18.37	19.5	0	
20	64QAM	50	24	18.40	18.44	18.33			
20	64QAM	50	50	18.39	18.39	18.39			
20	64QAM	100	0	18.41	18.40	18.34	19.5	0	
20	256QAM	1	0	18.44	18.48	18.45			
20	256QAM	1	49	18.34	18.41	18.40			
20	256QAM	1	99	18.36	18.37	18.35	19.5	0	
20	256QAM	50	0	18.40	18.47	18.32			
20	256QAM	50	24	18.35	18.37	18.33			
20	256QAM	50	50	18.39	18.39	18.39	19.5	0	
20	256QAM	50	100	18.42	18.40	18.33			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.46	18.49	18.39	19.5	0	
15	QPSK	1	37	18.36	18.41	18.36			
15	QPSK	1	74	18.41	18.40	18.30			
15	QPSK	36	0	18.32	18.43	18.35	19.5	0	
15	QPSK	36	20	18.39	18.44	18.30			
15	QPSK	36	39	18.37	18.36	18.32			
15	QPSK	75	0	18.34	18.48	18.36	19.5	0	
15	16QAM	1	0	18.32	18.42	18.29			
15	16QAM	1	37	18.35	18.33	18.24			
15	16QAM	1	74	18.38	18.35	18.31	19.5	0	
15	16QAM	36	0	18.30	18.42	18.25			
15	16QAM	36	20	18.36	18.42	18.16			
15	16QAM	36	39	18.18	18.22	18.30	19.5	0	
15	16QAM	75	0	18.29	18.39	18.31			
15	64QAM	1	0	18.35	18.48	18.40	19.5	0	
15	64QAM	1	37	18.33	18.30	18.28			
15	64QAM	1	74	18.30	18.39	18.28			
15	64QAM	36	0	18.33	18.40	18.31	19.5	0	
15	64QAM	36	20	18.29	18.38	18.21			
15	64QAM	36	39	18.33	18.27	18.31			
15	64QAM	75	0	18.35	18.28	18.24	19.5	0	
15	256QAM	1	0	18.41	18.40	18.36			
15	256QAM	1	37	18.32	18.30	18.29			
15	256QAM	1	74	18.33	18.27	18.27	19.5	0	
15	256QAM	36	0	18.36	18.38	18.22			
15	256QAM	36	20	18.24	18.35	18.24			
15	256QAM	36	39	18.32	18.36	18.33	19.5	0	
15	256QAM	75	0	18.30	18.37	18.26			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.40	18.43	18.44	19.5	0	
10	QPSK	1	25	18.36	18.33	18.37			
10	QPSK	1	49	18.41	18.40	18.33			
10	QPSK	25	0	18.41	18.50	18.33	19.5	0	
10	QPSK	25	12	18.35	18.38	18.25			
10	QPSK	25	25	18.33	18.44	18.43			
10	QPSK	50	0	18.36	18.44	18.41	19.5	0	
10	16QAM	1	0	18.31	18.39	18.32			
10	16QAM	1	25	18.30	18.31	18.22			
10	16QAM	1	49	18.32	18.36	18.31	19.5	0	
10	16QAM	25	0	18.25	18.38	18.19			
10	16QAM	25	12	18.36	18.38	18.13			
10	16QAM	25	25	18.25	18.21	18.25	19.5	0	
10	16QAM	50	0	18.24	18.38	18.32			
10	64QAM	1	0	18.30	18.37	18.41			
10	64QAM	1	25	18.36	18.36	18.27	19.5	0	
10	64QAM	1	49	18.29	18.43	18.34			
10	64QAM	25	0	18.29	18.42	18.23			
10	64QAM	25	12	18.28	18.40	18.27	19.5	0	
10	64QAM	25	25	18.34	18.33	18.35			
10	64QAM	50	0	18.30	18.27	18.27			
10	256QAM	1	0	18.41	18.39	18.41	19.5	0	
10	256QAM	1	25	18.24	18.33	18.32			
10	256QAM	1	49	18.26	18.24	18.23			
10	256QAM	25	0	18.28	18.41	18.21	19.5	0	
10	256QAM	25	12	18.28	18.34	18.23			
10	256QAM	25	25	18.34	18.27	18.35			
10	256QAM	50	0	18.40	18.32	18.26	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.41	18.44	18.42		19.5	
5	QPSK	1	12	18.41	18.34	18.36			
5	QPSK	1	24	18.42	18.47	18.37	19.5	0	
5	QPSK	12	0	18.34	18.51	18.29			
5	QPSK	12	7	18.35	18.38	18.30			
5	QPSK	12	13	18.37	18.46	18.38	19.5	0	
5	QPSK	25	0	18.41	18.47	18.38			
5	16QAM	1	0	18.32	18.43	18.37			
5	16QAM	1	12	18.35	18.33	18.26	19.5	0	
5	16QAM	1	24	18.41	18.34	18.37			
5	16QAM	12	0	18.30	18.37	18.13			
5	16QAM	12	7	18.32	18.41	18.24	19.5	0	
5	16QAM	12	13	18.21	18.25	18.22			
5	16QAM	25	0	18.31	18.43	18.31			
5	64QAM	1	0	18.37	18.37	18.31	19.5	0	
5	64QAM	1	12	18.33	18.27	18.35			
5	64QAM	1	24	18.37	18.39	18.24			
5	64QAM	12	0	18.26	18.37	18.33	19.5	0	
5	64QAM	12	7	18.29	18.37	18.24			
5	64QAM	12	13	18.36	18.31	18.33			
5	64QAM	25	0	18.34	18.32	18.26	19.5	0	
5	256QAM	1	0	18.32	18.38	18.36			
5	256QAM	1	12	18.22	18.29	18.29			
5	256QAM	1	24	18.31	18.33	18.30	19.5	0	
5	256QAM	12	0	18.34	18.35	18.21			
5	256QAM	12	7	18.28	18.25	18.31			
5	256QAM	12	13	18.34	18.35	18.32	19.5	0	
5	256QAM	25	0	18.35	18.34	18.23			

Band 48 Ant 5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.88	17.95	17.87	17.88	19	0
20	QPSK	1	49	17.83	17.81	17.81	17.83		
20	QPSK	1	99	17.75	17.83	17.82	17.82		
20	QPSK	50	0	17.82	17.91	17.84	17.77		
20	QPSK	50	24	17.77	17.85	17.84	17.76	19	0
20	QPSK	50	50	17.80	17.82	17.82	17.81		
20	QPSK	100	0	17.76	17.87	17.83	17.81		
20	16QAM	1	0	17.74	17.86	17.77	17.75		
20	16QAM	1	49	17.80	17.72	17.67	17.77	19	0
20	16QAM	1	99	17.68	17.74	17.78	17.69		
20	16QAM	50	0	17.74	17.82	17.72	17.75		
20	16QAM	50	24	17.64	17.78	17.79	17.64		
20	16QAM	50	50	17.74	17.72	17.71	17.69	19	0
20	16QAM	100	0	17.64	17.85	17.71	17.78		
20	64QAM	1	0	17.81	17.85	17.77	17.86		
20	64QAM	1	49	17.80	17.72	17.70	17.69		
20	64QAM	1	99	17.72	17.76	17.78	17.80	19	0
20	64QAM	50	0	17.78	17.84	17.80	17.71		
20	64QAM	50	24	17.68	17.80	17.71	17.71		
20	64QAM	50	50	17.71	17.69	17.73	17.71		
20	64QAM	100	0	17.64	17.81	17.77	17.70	19	0
20	256QAM	1	0	17.84	17.82	17.73	17.75		
20	256QAM	1	49	17.70	17.77	17.68	17.78		
20	256QAM	1	99	17.62	17.76	17.70	17.79		
20	256QAM	50	0	17.71	17.85	17.72	17.74	19	0
20	256QAM	50	24	17.75	17.72	17.79	17.72		
20	256QAM	50	50	17.75	17.79	17.71	17.74		
20	256QAM	100	0	17.67	17.78	17.71	17.70		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.74	17.89	17.84	17.78	19	0
15	QPSK	1	37	17.79	17.78	17.70	17.71		
15	QPSK	1	74	17.63	17.76	17.71	17.77		
15	QPSK	36	0	17.70	17.78	17.79	17.70		
15	QPSK	36	20	17.64	17.72	17.77	17.62	19	0
15	QPSK	36	39	17.69	17.75	17.71	17.71		
15	QPSK	75	0	17.66	17.82	17.73	17.73		
15	16QAM	1	0	17.70	17.76	17.65	17.61		
15	16QAM	1	37	17.74	17.60	17.62	17.68	19	0
15	16QAM	1	74	17.64	17.69	17.76	17.57		
15	16QAM	36	0	17.64	17.72	17.67	17.71		
15	16QAM	36	20	17.53	17.67	17.67	17.62		
15	16QAM	36	39	17.63	17.58	17.62	17.64	19	0
15	16QAM	75	0	17.55	17.72	17.66	17.67		
15	64QAM	1	0	17.74	17.81	17.75	17.75		
15	64QAM	1	37	17.75	17.70	17.66	17.61		
15	64QAM	1	74	17.60	17.66	17.73	17.70	19	0
15	64QAM	36	0	17.69	17.71	17.74	17.58		
15	64QAM	36	20	17.57	17.75	17.67	17.61		
15	64QAM	36	39	17.61	17.63	17.67	17.62		
15	64QAM	75	0	17.53	17.75	17.71	17.67	19	0
15	256QAM	1	0	17.81	17.77	17.68	17.72		
15	256QAM	1	37	17.62	17.72	17.61	17.75		
15	256QAM	1	74	17.54	17.70	17.64	17.55		
15	256QAM	36	0	17.65	17.78	17.79	17.68	19	0
15	256QAM	36	20	17.67	17.67	17.73	17.68		
15	256QAM	36	39	17.68	17.76	17.67	17.64		
15	256QAM	75	0	17.54	17.70	17.61	17.63		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.76	17.87	17.83	17.76	19	0
10	QPSK	1	25	17.75	17.76	17.78	17.77		
10	QPSK	1	49	17.68	17.71	17.69	17.74		
10	QPSK	25	0	17.80	17.85	17.77	17.66		
10	QPSK	25	12	17.68	17.73	17.74	17.63	19	0
10	QPSK	25	25	17.69	17.78	17.71	17.69		
10	QPSK	50	0	17.71	17.81	17.70	17.74		
10	16QAM	1	0	17.63	17.79	17.74	17.67		
10	16QAM	1	25	17.72	17.59	17.62	17.73	19	0
10	16QAM	1	49	17.65	17.71	17.76	17.67		
10	16QAM	25	0	17.65	17.75	17.61	17.66		
10	16QAM	25	12	17.58	17.70	17.74	17.60		
10	16QAM	25	25	17.67	17.65	17.62	17.65	19	0
10	16QAM	50	0	17.56	17.72	17.59	17.67		
10	64QAM	1	0	17.76	17.72	17.72	17.74		
10	64QAM	1	25	17.67	17.64	17.65	17.65		
10	64QAM	1	49	17.70	17.63	17.73	17.72	19	0
10	64QAM	25	0	17.72	17.79	17.69	17.62		
10	64QAM	25	12	17.56	17.76	17.57	17.69		
10	64QAM	25	25	17.68	17.66	17.64	17.60		
10	64QAM	50	0	17.59	17.77	17.63	17.63	19	0
10	256QAM	1	0	17.79	17.70	17.62	17.66		
10	256QAM	1	25	17.67	17.64	17.60	17.66		
10	256QAM	1	49	17.60	17.70	17.56	17.75		
10	256QAM	25	0	17.63	17.82	17.63	17.68	19	0
10	256QAM	25	12	17.68	17.64	17.65	17.61		
10	256QAM	25	25	17.72	17.70	17.64	17.66		
10	256QAM	50	0	17.55	17.70	17.58	17.63		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	17.77	17.82	17.75	17.77	19	0
5	QPSK	1	12	17.69	17.72	17.71	17.70		
5	QPSK	1	24	17.63	17.79	17.76	17.69		
5	QPSK	12	0	17.75	17.81	17.81	17.73		
5	QPSK	12	7	17.70	17.73	17.78	17.72	19	0
5	QPSK	12	13	17.76	17.70	17.70	17.73		
5	QPSK	25	0	17.64	17.74	17.77	17.77		
5	16QAM	1	0	17.72	17.73	17.63	17.68		
5	16QAM	1	12	17.75	17.59	17.59	17.64	19	0
5	16QAM	1	24	17.55	17.64	17.64	17.56		
5	16QAM	12	0	17.63	17.73	17.58	17.62		
5	16QAM	12	7	17.55	17.74	17.66	17.60		
5	16QAM	12	13	17.72	17.69	17.62	17.58	19	0
5	16QAM	25	0	17.54	17.73	17.67	17.74		
5	64QAM	1	0	17.78	17.72	17.71	17.80		
5	64QAM	1	12	17.70	17.61	17.59	17.67		
5	64QAM	1	24	17.66	17.72	17.68	17.77	19	0
5	64QAM	12	0	17.68	17.78	17.76	17.61		
5	64QAM	12	7	17.62	17.68	17.65	17.60		
5	64QAM	12	13	17.61	17.60	17.59	17.59		
5	64QAM	25	0	17.54	17.77	17.69	17.62	19	0
5	256QAM	1	0	17.73	17.78	17.67	17.71		
5	256QAM	1	12	17.65	17.64	17.54	17.67		
5	256QAM	1	24	17.51	17.63	17.67	17.72		
5	256QAM	12	0	17.62	17.78	17.58	17.63	19	0
5	256QAM	12	7	17.66	17.59	17.69	17.59		
5	256QAM	12	13	17.62	17.70	17.60	17.71		
5	256QAM	25	0	17.62	17.72	17.60	17.56		

Band 42 Part 27Q Ant 7 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	22.83	22.86	22.75	24	0		
20	QPSK	1	49	22.75	22.82	22.68				
20	QPSK	1	99	22.70	22.80	22.66				
20	QPSK	50	0	21.82	21.86	21.80	23	1		
20	QPSK	50	24	21.74	21.80	21.70				
20	QPSK	50	50	21.76	21.85	21.61				
20	QPSK	100	0	21.82	21.82	21.70	23	1		
20	16QAM	1	0	21.80	21.81	21.81				
20	16QAM	1	49	21.76	21.80	21.66				
20	16QAM	1	99	21.76	21.84	21.63	22	2		
20	16QAM	50	0	20.80	20.81	20.80				
20	16QAM	50	24	20.70	20.76	20.75				
20	16QAM	50	50	20.73	20.87	20.63	22	2		
20	16QAM	100	0	20.82	20.82	20.72				
20	64QAM	1	0	20.79	20.80	20.80				
20	64QAM	1	49	20.76	20.79	20.71	22	2		
20	64QAM	1	99	20.76	20.80	20.67				
20	64QAM	50	0	19.78	19.85	19.85				
20	64QAM	50	24	19.71	19.76	19.64	21	3		
20	64QAM	50	50	19.75	19.86	19.61				
20	64QAM	100	0	19.82	19.76	19.74				
20	256QAM	1	0	17.85	17.81	17.82	19	5		
20	256QAM	1	49	17.79	17.80	17.68				
20	256QAM	1	99	17.79	17.88	17.61				
20	256QAM	50	0	17.83	17.81	17.73	19	5		
20	256QAM	50	24	17.79	17.83	17.83				
20	256QAM	50	50	17.79	17.85	17.62				
20	256QAM	100	0	17.75	17.84	17.67				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	22.72	22.78	22.67	24	0		
15	QPSK	1	37	22.70	22.79	22.66				
15	QPSK	1	74	22.64	22.76	22.56				
15	QPSK	36	0	21.71	21.83	21.72	23	1		
15	QPSK	36	20	21.71	21.67	21.61				
15	QPSK	36	39	21.69	21.80	21.47				
15	QPSK	75	0	21.77	21.71	21.62	23	1		
15	16QAM	1	0	21.69	21.72	21.75				
15	16QAM	1	37	21.73	21.75	21.53				
15	16QAM	1	74	21.66	21.71	21.57	22	2		
15	16QAM	36	0	20.69	20.74	20.71				
15	16QAM	36	20	20.63	20.71	20.62				
15	16QAM	36	39	20.68	20.77	20.58	22	2		
15	16QAM	75	0	20.71	20.75	20.62				
15	64QAM	1	0	20.68	20.68	20.72				
15	64QAM	1	37	20.69	20.71	20.58	22	2		
15	64QAM	1	74	20.70	20.78	20.60				
15	64QAM	36	0	19.66	19.75	19.75	21	3		
15	64QAM	36	20	19.59	19.65	19.56				
15	64QAM	36	39	19.65	19.80	19.52				
15	64QAM	75	0	19.80	19.65	19.63	19	5		
15	256QAM	1	0	17.78	17.77	17.74				
15	256QAM	1	37	17.76	17.66	17.64				
15	256QAM	1	74	17.76	17.75	17.57	19	5		
15	256QAM	36	0	17.70	17.68	17.70				
15	256QAM	36	20	17.75	17.71	17.72				
15	256QAM	36	39	17.66	17.75	17.54	19	5		
15	256QAM	75	0	17.72	17.73	17.61				
Channel				42140	42590	43040	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	22.77	22.81	22.66	24	0		
10	QPSK	1	25	22.61	22.74	22.63				
10	QPSK	1	49	22.63	22.67	22.58				
10	QPSK	25	0	21.70	21.82	21.72	23	1		
10	QPSK	25	12	21.72	21.70	21.64				
10	QPSK	25	25	21.72	21.78	21.50				
10	QPSK	50	0	21.73	21.70	21.65	23	1		
10	16QAM	1	0	21.77	21.68	21.77				
10	16QAM	1	25	21.74	21.73	21.56				
10	16QAM	1	49	21.63	21.72	21.58	22	2		
10	16QAM	25	0	20.74	20.68	20.74				
10	16QAM	25	12	20.58	20.72	20.72				
10	16QAM	25	25	20.62	20.85	20.55	22	2		
10	16QAM	50	0	20.78	20.72	20.61				
10	64QAM	1	0	20.67	20.77	20.73				
10	64QAM	1	25	20.66	20.70	20.68	22	2		
10	64QAM	1	49	20.71	20.75	20.61				
10	64QAM	25	0	19.71	19.76	19.74				
10	64QAM	25	12	19.64	19.64	19.52	21	3		
10	64QAM	25	25	19.65	19.77	19.47				
10	64QAM	50	0	19.76	19.70	19.60				
10	256QAM	1	0	17.73	17.71	17.74	19	5		
10	256QAM	1	25	17.67	17.73	17.63				
10	256QAM	1	49	17.65	17.86	17.49				
10	256QAM	25	0	17.72	17.74	17.65	19	5		
10	256QAM	25	12	17.72	17.76	17.77				
10	256QAM	25	25	17.67	17.75	17.49				
10	256QAM	50	0	17.69	17.75	17.60				
Channel				42115	42590	43065	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	22.70	22.79	22.66	24	0		
5	QPSK	1	12	22.72	22.76	22.55				
5	QPSK	1	24	22.61	22.70	22.63				
5	QPSK	12	0	21.70	21.79	21.78	23	1		
5	QPSK	12	7	21.70	21.77	21.62				
5	QPSK	12	13	21.73	21.81	21.49				
5	QPSK	25	0	21.80	21.76	21.60	23	1		
5	16QAM	1	0	21.72	21.79	21.78				
5	16QAM	1	12	21.74	21.72	21.52				
5	16QAM	1	24	21.68	21.71	21.51	22	2		
5	16QAM	12	0	20.67	20.78	20.67				
5	16QAM	12	7	20.57	20.71	20.62				
5	16QAM	12	13	20.66	20.81	20.50	22	2		
5	16QAM	25	0	20.77	20.77	20.67				
5	64QAM	1	0	20.74	20.76	20.74				
5	64QAM	1	12	20.64	20.68	20.68	22	2		
5	64QAM	1	24	20.66	20.75	20.57				
5	64QAM	12	0	19.67	19.83	19.72				
5	64QAM	12	7	19.57	19.63	19.53	21	3		
5	64QAM	12	13	19.64	19.77	19.56				
5	64QAM	25	0	19.79	19.69	19.66				
5	256QAM	1	0	17.80	17.73	17.80	19	5		
5	256QAM	1	12	17.71	17.78	17.55				
5	256QAM	1	24	17.73	17.77	17.53				
5	256QAM	12	0	17.74	17.73	17.70	19	5		
5	256QAM	12	7	17.69	17.79	17.76				
5	256QAM	12	13	17.73	17.80	17.55				
5	256QAM	25	0	17.70	17.75	17.60				

Band 48 Ant 7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.15	22.23	22.20	22.16	23.5	0
20	QPSK	1	49	22.05	22.16	22.12	22.06		
20	QPSK	1	99	22.03	22.12	22.16	22.10	22.5	1
20	QPSK	50	0	21.18	21.25	21.15	21.16		
20	QPSK	50	24	21.06	21.12	21.17	21.06	22.5	1
20	QPSK	50	50	21.02	21.15	21.21	21.05		
20	QPSK	100	0	21.11	21.21	21.19	21.19	22.5	1
20	16QAM	1	0	21.19	21.18	21.24	21.15		
20	16QAM	1	49	21.03	21.17	21.08	21.01	21.5	2
20	16QAM	1	99	21.00	21.17	21.22	21.15		
20	16QAM	50	0	20.16	20.22	20.15	20.13	21.5	2
20	16QAM	50	24	20.03	20.16	20.15	20.08		
20	16QAM	50	50	19.97	20.20	20.17	20.01	21.5	2
20	16QAM	100	0	20.14	20.20	20.24	20.14		
20	64QAM	1	0	20.19	20.13	20.26	20.17	21.5	2
20	64QAM	1	49	20.07	20.14	20.12	19.96		
20	64QAM	1	99	19.99	20.14	20.26	20.17	20.5	3
20	64QAM	50	0	19.17	19.23	19.18	19.13		
20	64QAM	50	24	19.00	19.11	19.20	19.02	18.5	5
20	64QAM	50	50	19.01	19.12	19.25	19.07		
20	64QAM	100	0	19.08	19.16	19.20	19.13	18.5	5
20	256QAM	1	0	17.17	17.24	17.12	17.19		
20	256QAM	1	49	17.06	17.13	17.15	17.04	18.5	5
20	256QAM	1	99	16.98	17.20	17.17	17.00		
20	256QAM	50	0	17.10	17.22	17.20	17.21	18.5	5
20	256QAM	50	24	17.25	17.24	17.24	17.14		
20	256QAM	50	50	16.99	17.18	17.03	17.04	18.5	5
20	256QAM	100	0	16.99	17.19	17.26	17.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.04	22.20	22.10	22.10	23.5	0
15	QPSK	1	37	22.02	22.13	21.99	21.97		
15	QPSK	1	74	21.90	22.01	22.07	22.02	22.5	1
15	QPSK	36	0	21.13	21.19	21.10	21.11		
15	QPSK	36	20	21.02	21.08	21.14	21.06	22.5	1
15	QPSK	36	39	20.89	21.03	21.19	20.94		
15	QPSK	75	0	21.04	21.15	21.16	21.05	22.5	1
15	16QAM	1	0	21.07	21.16	21.20	21.08		
15	16QAM	1	37	20.96	21.05	20.97	20.96	21.5	2
15	16QAM	1	74	20.91	21.10	21.16	21.04		
15	16QAM	36	0	20.06	20.11	20.08	20.08	21.5	2
15	16QAM	36	20	19.92	20.03	20.01	19.98		
15	16QAM	36	39	19.89	20.13	20.08	19.91	21.5	2
15	16QAM	75	0	20.11	20.06	20.21	20.03		
15	64QAM	1	0	20.16	20.03	20.19	20.06	21.5	2
15	64QAM	1	37	19.98	20.09	20.03	19.91		
15	64QAM	1	74	19.90	20.01	20.22	20.05	20.5	3
15	64QAM	36	0	19.11	19.12	19.04	19.01		
15	64QAM	36	20	18.91	18.98	19.18	18.90	18.5	5
15	64QAM	36	39	18.91	19.03	19.15	19.02		
15	64QAM	75	0	18.98	19.08	19.17	19.01	18.5	5
15	256QAM	1	0	17.04	17.18	17.03	17.11		
15	256QAM	1	37	16.94	17.00	17.10	17.01	18.5	5
15	256QAM	1	74	16.80	17.10	17.10	16.94		
15	256QAM	36	0	17.00	17.17	17.13	17.16	18.5	5
15	256QAM	36	20	17.22	17.18	17.16	17.10		
15	256QAM	36	39	16.90	17.11	16.90	16.99	18.5	5
15	256QAM	75	0	16.86	17.16	17.24	17.10		
Channel				55290	55815	56185	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.11	22.18	22.09	22.10	23.5	0
10	QPSK	1	25	21.96	22.09	22.07	21.96		
10	QPSK	1	49	21.96	22.09	22.03	21.98	22.5	1
10	QPSK	25	0	21.11	21.17	21.13	21.12		
10	QPSK	25	12	21.00	21.05	21.06	21.01	22.5	1
10	QPSK	25	25	20.96	21.11	21.15	20.97		
10	QPSK	50	0	21.07	21.10	21.12	21.06	22.5	1
10	16QAM	1	0	21.14	21.06	21.13	21.04		
10	16QAM	1	25	20.99	21.12	21.04	20.92	21.5	2
10	16QAM	1	49	20.95	21.10	21.10	21.05		
10	16QAM	25	0	20.05	20.15	20.06	20.05	21.5	2
10	16QAM	25	12	20.00	20.05	20.12	19.97		
10	16QAM	25	25	19.83	20.11	20.04	19.90	21.5	2
10	16QAM	50	0	20.09	20.15	20.13	20.08		
10	64QAM	1	0	20.16	20.01	20.16	20.04	21.5	2
10	64QAM	1	25	19.93	20.03	20.03	19.84		
10	64QAM	1	49	19.93	20.08	20.20	19.12	20.5	3
10	64QAM	25	0	19.12	19.13	19.08	19.01		
10	64QAM	25	12	18.87	19.07	19.11	18.98	18.5	5
10	64QAM	25	25	18.92	19.04	19.23	19.05		
10	64QAM	50	0	18.96	19.14	19.08	19.11	18.5	5
10	256QAM	1	0	17.14	17.17	17.02	17.17		
10	256QAM	1	25	17.00	17.09	17.12	16.98	18.5	5
10	256QAM	1	49	16.87	17.09	17.04	16.95		
10	256QAM	25	0	16.97	17.17	17.14	17.08	18.5	5
10	256QAM	25	12	17.18	17.10	17.16	17.07		
10	256QAM	25	25	16.96	17.04	16.92	16.90	18.5	5
10	256QAM	50	0	16.90	17.07	17.14	17.14		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.10	22.11	22.13	22.08	23.5	0
5	QPSK	1	12	21.95	22.08	22.05	21.98		
5	QPSK	1	24	22.00	22.04	22.12	22.06	22.5	1
5	QPSK	12	0	21.05	21.23	21.06	21.05		
5	QPSK	12	7	20.96	21.10	21.03	20.94	22.5	1
5	QPSK	12	13	20.94	21.03	21.18	20.92		
5	QPSK	25	0	21.09	21.16	21.08	21.16	22.5	1
5	16QAM	1	0	21.13	21.14	21.20	21.09		
5	16QAM	1	12	20.99	21.08	20.97	20.91	21.5	2
5	16QAM	1	24	20.89	21.09	21.11	21.07		
5	16QAM	12	0	20.09	20.11	20.08	20.10	21.5	2
5	16QAM	12	7	19.92	20.05	20.08	19.97		
5	16QAM	12	13	19.94	20.08	20.08	19.87	21.5	2
5	16QAM	25	0	20.04	20.11	20.14	20.08		
5	64QAM	1	0	20.14	20.11	20.23	20.04	21.5	2
5	64QAM	1	12	20.04	20.04	20.08	19.89		
5	64QAM	1	24	19.94	20.01	20.23	20.15	20.5	3
5	64QAM	12	0	19.14	19.14	19.13	19.04		
5	64QAM	12	7	18.97	18.98	19.09	18.97	18.5	5
5	64QAM	12	13	18.89	19.09	19.14	18.96		
5	64QAM	25	0	19.01	19.05	19.07	19.16	18.5	5
5	256QAM	1	0	17.05	17.18	17.08	17.16		
5	256QAM	1	12	16.95	17.05	17.04	16.91	18.5	5
5	256QAM	1	24	16.90	17.08	17.06	16.86		
5	256QAM	12	0	16.97	17.17	17.14	17.07	18.5	5
5	256QAM	12	7	17.21	17.17	17.14	17.05		
5	256QAM	12	13	16.92	17.12	16.95	16.98	18.5	5
5	256QAM	25	0	16.89	17.17	17.12	17.17		

Reduced Power Mode for Main PA DS11 ENDC									
Band 7 Ant 3 DS11 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.11	19.22	19.14	20	0	
20	QPSK	1	49	19.09	19.02	19.10			
20	QPSK	1	99	19.01	19.08	19.07			
20	QPSK	50	0	19.07	19.21	19.12	20	0	
20	QPSK	50	24	19.07	19.19	19.10			
20	QPSK	50	50	19.03	19.06	19.09			
20	QPSK	100	0	19.03	19.05	19.01	20	0	
20	16QAM	1	0	18.96	19.04	18.98			
20	16QAM	1	49	19.02	19.09	19.00			
20	16QAM	1	99	19.07	19.04	18.90	20	0	
20	16QAM	50	0	19.04	19.18	19.04			
20	16QAM	50	24	19.09	19.14	19.12			
20	16QAM	50	50	19.16	19.05	19.07	20	0	
20	16QAM	100	0	19.05	19.11	18.97			
20	64QAM	1	0	18.98	19.18	19.03			
20	64QAM	1	49	19.00	19.09	19.00	20	0	
20	64QAM	1	99	19.06	19.00	19.00			
20	64QAM	50	0	19.04	19.19	19.04			
20	64QAM	50	24	19.08	19.13	19.12	20	0	
20	64QAM	50	50	19.04	19.17	19.03			
20	64QAM	100	0	19.05	19.11	19.04			
20	256QAM	1	0	18.67	18.76	18.66	19.5	0.5	
20	256QAM	1	49	18.61	18.78	18.69			
20	256QAM	1	99	18.63	18.66	18.63			
20	256QAM	50	0	18.62	18.67	18.61	19.5	0.5	
20	256QAM	50	24	18.56	18.64	18.60			
20	256QAM	50	50	18.58	18.62	18.62			
20	256QAM	100	0	18.63	18.69	18.55			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.09	19.18	19.07	20	0	
15	QPSK	1	37	19.02	18.96	19.05			
15	QPSK	1	74	18.95	19.04	19.02			
15	QPSK	36	0	19.00	19.11	19.11	20	0	
15	QPSK	36	20	19.04	19.08	19.07			
15	QPSK	36	39	18.96	18.99	19.06			
15	QPSK	75	0	19.00	18.95	18.96	20	0	
15	16QAM	1	0	18.85	19.01	18.87			
15	16QAM	1	37	18.85	19.03	18.88			
15	16QAM	1	74	19.00	18.99	18.83	20	0	
15	16QAM	36	0	18.94	19.08	19.02			
15	16QAM	36	20	19.00	19.05	19.05			
15	16QAM	36	39	19.08	18.95	19.00	20	0	
15	16QAM	75	0	18.95	19.04	18.95			
15	64QAM	1	0	18.97	19.10	19.00			
15	64QAM	1	37	18.92	19.03	18.88	20	0	
15	64QAM	1	74	19.01	18.92	18.99			
15	64QAM	36	0	18.98	19.10	18.99			
15	64QAM	36	20	18.97	19.10	19.07	20	0	
15	64QAM	36	39	18.93	19.12	18.95			
15	64QAM	75	0	18.98	19.05	19.02			
15	256QAM	1	0	18.56	18.71	18.54	19.5	0.5	
15	256QAM	1	37	18.52	18.69	18.58			
15	256QAM	1	74	18.54	18.55	18.57			
15	256QAM	36	0	18.56	18.57	18.52	19.5	0.5	
15	256QAM	36	20	18.54	18.57	18.55			
15	256QAM	36	39	18.52	18.48	18.56			
15	256QAM	75	0	18.53	18.66	18.48			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.06	19.20	19.04	20	0	
10	QPSK	1	25	19.04	18.95	19.05			
10	QPSK	1	49	19.00	19.02	19.04			
10	QPSK	25	0	18.98	19.11	19.08	20	0	
10	QPSK	25	12	18.99	19.09	19.00			
10	QPSK	25	25	18.98	19.01	19.04			
10	QPSK	50	0	18.98	19.04	18.93	20	0	
10	16QAM	1	0	18.85	19.00	18.95			
10	16QAM	1	25	18.96	18.97	18.97			
10	16QAM	1	49	19.06	18.92	18.84	20	0	
10	16QAM	25	0	18.99	19.11	18.98			
10	16QAM	25	12	19.06	19.14	19.09			
10	16QAM	25	25	19.10	18.96	19.00	20	0	
10	16QAM	50	0	19.00	19.02	18.87			
10	64QAM	1	0	18.92	19.07	18.93			
10	64QAM	1	25	18.95	19.01	18.90	20	0	
10	64QAM	1	49	19.06	18.96	18.98			
10	64QAM	25	0	18.97	19.00	18.97			
10	64QAM	25	12	19.03	19.08	19.05	20	0	
10	64QAM	25	25	18.97	19.05	19.01			
10	64QAM	50	0	19.04	19.03	18.99			
10	256QAM	1	0	18.58	18.69	18.60	19.5	0.5	
10	256QAM	1	25	18.58	18.71	18.60			
10	256QAM	1	49	18.56	18.63	18.57			
10	256QAM	25	0	18.48	18.61	18.51	19.5	0.5	
10	256QAM	25	12	18.53	18.54	18.49			
10	256QAM	25	25	18.48	18.51	18.52			
10	256QAM	50	0	18.59	18.61	18.48			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.07	19.18	19.07	20	0	
5	QPSK	1	12	19.00	18.96	19.05			
5	QPSK	1	24	18.90	18.98	19.00			
5	QPSK	12	0	18.97	19.16	19.12	20	0	
5	QPSK	12	7	18.99	19.12	19.10			
5	QPSK	12	13	18.98	19.05	19.08			
5	QPSK	25	0	18.93	18.98	18.94	20	0	
5	16QAM	1	0	18.96	18.97	18.93			
5	16QAM	1	12	19.02	19.07	18.94			
5	16QAM	1	24	18.97	19.00	18.78	20	0	
5	16QAM	12	0	18.98	19.11	18.92			
5	16QAM	12	7	19.08	19.05	19.09			
5	16QAM	12	13	19.16	19.00	19.01	20	0	
5	64QAM	25	0	18.97	19.10	18.88			
5	64QAM	1	0	18.94	19.17	18.96			
5	64QAM	1	12	18.93	19.02	18.91	20	0	
5	64QAM	1	24	18.99	18.92	18.99			
5	64QAM	12	0	18.93	19.16	19.00			
5	64QAM	12	7	19.00	19.03	19.02	20	0	
5	64QAM	12	13	18.93	19.11	18.95			
5	64QAM	25	0	18.95	19.10	19.00			
5	256QAM	1	0	18.58	18.70	18.63	19.5	0.5	
5	256QAM	1	12	18.48	18.75	18.62			
5	256QAM	1	24	18.59	18.54	18.56			
5	256QAM	12	0	18.54	18.55	18.49	19.5	0.5	
5	256QAM	12	7	18.46	18.54	18.50			
5	256QAM	12	13	18.53	18.52	18.57			
5	256QAM	25	0	18.55	18.66	18.42			

Band 5 Ant 4 DSI1 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	19.50	19.55	19.51	20.5	0	
10	QPSK	1	25	19.48	19.51	19.40			
10	QPSK	1	49	19.36	19.40	19.44			
10	QPSK	25	0	19.37	19.49	19.37			
10	QPSK	25	12	19.39	19.42	19.43	20.5	0	
10	QPSK	25	25	19.37	19.44	19.46			
10	QPSK	50	0	19.37	19.42	19.37			
10	16QAM	1	0	19.42	19.41	19.37			
10	16QAM	1	25	19.36	19.43	19.37	20.5	0	
10	16QAM	1	49	19.33	19.40	19.36			
10	16QAM	25	0	19.31	19.52	19.20			
10	16QAM	25	12	19.39	19.24	19.34			
10	16QAM	25	25	19.32	19.43	19.43	20.5	0	
10	16QAM	50	0	19.27	19.38	19.27			
10	64QAM	1	0	19.36	19.38	19.39			
10	64QAM	1	25	19.42	19.40	19.38	20.5	0	
10	64QAM	1	49	19.34	19.34	19.32			
10	64QAM	25	0	19.43	19.53	19.44			
10	64QAM	25	12	19.42	19.49	19.51	20.5	0	
10	64QAM	25	25	19.47	19.35	19.35			
10	64QAM	50	0	19.49	19.46	19.40			
10	256QAM	1	0	19.42	19.50	19.43	20.5	0	
10	256QAM	1	25	19.43	19.44	19.42			
10	256QAM	1	49	19.47	19.43	19.44			
10	256QAM	25	0	19.40	19.52	19.48	20.5	0	
10	256QAM	25	12	19.40	19.46	19.42			
10	256QAM	25	25	19.38	19.48	19.43			
10	256QAM	50	0	19.42	19.49	19.47			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	19.47	19.52	19.43	20.5	0	
5	QPSK	1	12	19.40	19.48	19.31			
5	QPSK	1	24	19.34	19.29	19.39			
5	QPSK	12	0	19.33	19.38	19.31	20.5	0	
5	QPSK	12	7	19.34	19.34	19.41			
5	QPSK	12	13	19.31	19.34	19.39			
5	QPSK	25	0	19.32	19.33	19.27			
5	16QAM	1	0	19.37	19.31	19.26	20.5	0	
5	16QAM	1	12	19.26	19.31	19.30			
5	16QAM	1	24	19.31	19.39	19.26			
5	16QAM	12	0	19.20	19.41	19.12	20.5	0	
5	16QAM	12	7	19.35	19.21	19.32			
5	16QAM	12	13	19.29	19.32	19.37			
5	16QAM	25	0	19.18	19.36	19.17			
5	64QAM	1	0	19.27	19.28	19.28	20.5	0	
5	64QAM	1	12	19.30	19.34	19.37			
5	64QAM	1	24	19.25	19.23	19.23			
5	64QAM	12	0	19.31	19.43	19.43	20.5	0	
5	64QAM	12	7	19.34	19.47	19.42			
5	64QAM	12	13	19.42	19.23	19.23			
5	64QAM	25	0	19.46	19.38	19.38			
5	256QAM	1	0	19.37	19.43	19.33	20.5	0	
5	256QAM	1	12	19.41	19.35	19.33			
5	256QAM	1	24	19.41	19.35	19.34			
5	256QAM	12	0	19.31	19.40	19.38	20.5	0	
5	256QAM	12	7	19.30	19.44	19.41			
5	256QAM	12	13	19.28	19.40	19.33			
5	256QAM	25	0	19.33	19.48	19.42			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	19.42	19.51	19.43	20.5	0	
3	QPSK	1	8	19.48	19.46	19.31			
3	QPSK	1	14	19.28	19.39	19.37			
3	QPSK	8	0	19.32	19.42	19.26	20.5	0	
3	QPSK	8	4	19.28	19.33	19.42			
3	QPSK	8	7	19.33	19.33	19.36			
3	QPSK	15	0	19.36	19.36	19.34			
3	16QAM	1	0	19.32	19.34	19.32	20.5	0	
3	16QAM	1	8	19.33	19.35	19.26			
3	16QAM	1	14	19.23	19.37	19.34			
3	16QAM	8	0	19.22	19.50	19.14	20.5	0	
3	16QAM	8	4	19.31	19.13	19.32			
3	16QAM	8	7	19.31	19.33	19.36			
3	16QAM	15	0	19.18	19.38	19.26			
3	64QAM	1	0	19.24	19.36	19.34	20.5	0	
3	64QAM	1	8	19.30	19.28	19.34			
3	64QAM	1	14	19.31	19.28	19.21			
3	64QAM	8	0	19.34	19.46	19.37	20.5	0	
3	64QAM	8	4	19.32	19.46	19.41			
3	64QAM	8	7	19.36	19.32	19.32			
3	64QAM	15	0	19.41	19.36	19.30			
3	256QAM	1	0	19.32	19.40	19.39	20.5	0	
3	256QAM	1	8	19.38	19.40	19.41			
3	256QAM	1	14	19.41	19.42	19.37			
3	256QAM	8	0	19.30	19.43	19.37	20.5	0	
3	256QAM	8	4	19.38	19.36	19.35			
3	256QAM	8	7	19.32	19.46	19.40			
3	256QAM	15	0	19.31	19.40	19.45			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	19.40	19.53	19.50	20.5	0	
1.4	QPSK	1	3	19.47	19.50	19.29			
1.4	QPSK	1	5	19.30	19.38	19.38			
1.4	QPSK	3	0	19.32	19.38	19.30			
1.4	QPSK	3	1	19.34	19.40	19.38	20.5	0	
1.4	QPSK	3	3	19.30	19.41	19.39			
1.4	QPSK	6	0	19.27	19.34	19.36			
1.4	16QAM	1	0	19.31	19.38	19.31	20.5	0	
1.4	16QAM	1	3	19.35	19.35	19.36			
1.4	16QAM	1	5	19.25	19.31	19.28			
1.4	16QAM	3	0	19.27	19.51	19.14			
1.4	16QAM	3	1	19.35	19.16	19.32	20.5	0	
1.4	16QAM	3	3	19.31	19.42	19.42			
1.4	16QAM	6	0	19.19	19.35	19.20			
1.4	64QAM	1	0	19.35	19.38	19.31	20.5	0	
1.4	64QAM	1	3	19.41	19.38	19.29			
1.4	64QAM	1	5	19.32	19.34	19.22			
1.4	64QAM	3	0	19.42	19.42	19.40			
1.4	64QAM	3	1	19.31	19.46	19.47	20.5	0	
1.4	64QAM	3	3	19.43	19.29	19.24			
1.4	64QAM	6	0	19.46	19.35	19.36			
1.4	256QAM	1	0	19.41	19.47	19.42	20.5	0	
1.4	256QAM	1	3	19.33	19.38	19.33			
1.4	256QAM	1	5	19.41	19.40	19.36			
1.4	256QAM	3	0	19.31	19.45	19.48			
1.4	256QAM	3	1	19.28	19.35	19.40	20.5	0	
1.4	256QAM	3	3	19.36	19.37	19.32			
1.4	256QAM	6	0	19.40	19.38	19.44	20.5	0	

Reduced Power Mode for Main PA DSI2

GSM850 Ant 1 DSI 2		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	32.29	32.28	33.50	23.36	23.29	23.28	24.50
GPRS 1 Tx slot		32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slots		31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slots		29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slots		28.63	28.87	28.73	30.00	25.63	25.87	25.73	27.00
EDGE 1 Tx slot		26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 2 Tx slots		23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slots		22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slots		20.83	20.98	20.94	22.00	17.83	17.98	17.94	19.00

GSM1900 Ant 1 DSI 2		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)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot		29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot		29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slots		28.46	28.47	28.36	29.50	22.46	22.47	22.36	23.50
GPRS 3 Tx slots		26.74	26.73	26.67	28.00	22.48	22.47	22.41	23.74
GPRS 4 Tx slots		25.60	25.61	25.59	27.00	22.60	22.61	22.59	24.00
EDGE 1 Tx slot		25.84	25.90	25.81	27.00	16.84	16.90	16.81	18.00
EDGE 2 Tx slots		22.85	22.88	22.80	24.00	16.85	16.88	16.80	18.00
EDGE 3 Tx slots		21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slots		19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band		WCDMA II Ant 1 DSI 2			Tune-up Limit (dBm)	WCDMA IV Ant 1 DSI 2			Tune-up Limit (dBm)	WCDMA V Ant 1 DSI 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.88	22.94	22.83	24.00	22.80	22.84	22.86	24.00	24.38	24.46	24.35	25.50
3GPP Rel 99	AMR 12.2Kbps	22.91	22.98	22.93	24.00	22.87	22.99	22.88	24.00	24.48	24.50	24.44	25.50
3GPP Rel 6	HSDPA Subtest-1	21.92	21.96	21.87	23.00	21.89	21.94	21.87	23.00	23.52	23.54	23.46	24.50
3GPP Rel 6	HSDPA Subtest-2	21.88	21.96	21.97	23.00	21.92	21.91	21.84	23.00	23.50	23.47	23.43	24.50
3GPP Rel 6	HSDPA Subtest-3	21.36	21.43	21.47	22.50	21.33	21.41	21.43	22.50	22.94	23.01	22.90	24.00
3GPP Rel 6	HSDPA Subtest-4	21.37	21.53	21.43	22.50	21.41	21.41	21.43	22.50	23.01	22.98	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.89	22.04	21.88	23.00	21.85	21.93	21.83	23.00	23.46	23.56	23.41	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	21.90	22.01	21.94	23.00	21.88	21.89	21.83	23.00	23.47	23.53	23.48	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.38	21.44	21.45	22.50	21.32	21.40	21.33	22.50	23.01	23.04	22.94	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.46	21.48	21.45	22.50	21.36	21.42	21.38	22.50	23.01	23.01	22.97	24.00
3GPP Rel 6	HSUPA Subtest-1	21.87	22.02	21.99	23.00	21.92	21.85	21.82	23.00	23.49	23.52	23.42	24.50
3GPP Rel 6	HSUPA Subtest-2	19.88	19.99	19.98	21.00	19.85	19.96	19.94	21.00	21.48	21.50	21.41	22.50
3GPP Rel 6	HSUPA Subtest-3	20.96	21.03	20.94	22.00	20.82	20.91	20.87	22.00	22.51	22.48	22.38	23.50
3GPP Rel 6	HSUPA Subtest-4	19.86	19.93	19.88	21.00	19.85	19.92	19.85	21.00	21.46	21.51	21.45	22.50
3GPP Rel 6	HSUPA Subtest-5	21.91	22.00	21.96	23.00	21.84	21.95	21.85	23.00	23.45	23.49	23.49	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.38	19.49	19.46	20.50	19.39	19.43	19.41	20.50	20.96	21.01	20.97	22.00



Band 12 Ant 1 DSI 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Mid Ch (dBm)	Power High Ch (dBm)	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.30	24.45	24.37			25.5	0		
10	QPSK	1	25	24.30	24.42	24.34						
10	QPSK	1	49	24.31	24.34	24.25						
10	QPSK	25	0	23.32	23.40	23.38			24.5	1		
10	QPSK	25	25	23.34	23.37	23.20						
10	QPSK	50	0	23.35	23.42	23.35						
10	16QAM	1	0	23.37	23.40	23.40			24.5	1		
10	16QAM	1	25	23.40	23.40	23.28						
10	16QAM	1	49	23.35	23.38	23.25						
10	16QAM	25	0	22.47	22.51	22.32			23.5	2		
10	16QAM	25	12	22.33	22.42	22.22						
10	16QAM	25	25	22.49	22.57	22.28						
10	64QAM	1	0	22.30	22.45	22.31			23.5	2		
10	64QAM	1	25	22.42	22.51	22.28						
10	64QAM	1	49	22.36	22.35	22.23						
10	64QAM	25	0	21.41	21.48	21.34			22.5	3		
10	64QAM	25	12	21.28	21.36	21.24						
10	64QAM	25	25	21.35	21.38	21.17						
10	256QAM	1	0	19.44	19.43	19.27			20.5	5		
10	256QAM	1	25	19.30	19.40	19.27						
10	256QAM	1	8	19.44	19.33	19.42						
10	256QAM	25	12	19.35	19.39	19.34			20.5	5		
10	256QAM	25	25	19.41	19.45	19.28						
10	256QAM	50	0	19.35	19.40	19.26						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.35	24.43	24.29			25.5	0		
5	QPSK	1	12	24.31	24.37	24.12						
5	QPSK	1	24	24.34	24.26	24.16						
5	QPSK	12	0	23.39	23.30	23.18			24.5	1		
5	QPSK	12	7	23.31	23.28	23.13						
5	QPSK	25	0	23.22	23.34	23.32						
5	16QAM	1	0	23.36	23.34	23.38			24.5	1		
5	16QAM	1	12	23.30	23.27	23.15						
5	16QAM	12	0	22.47	22.33	22.15						
5	16QAM	12	7	22.30	22.31	22.12			23.5	2		
5	16QAM	25	0	22.22	22.41	22.26						
5	16QAM	25	0	22.22	22.34	22.23						
5	64QAM	1	0	22.28	22.34	22.23			22.5	2		
5	64QAM	1	24	22.25	22.21	22.17						
5	64QAM	12	0	21.38	21.40	21.24						
5	64QAM	12	0	21.27	21.33	21.15			22.5	3		
5	64QAM	12	13	21.33	21.27	21.13						
5	64QAM	25	0	21.28	21.33	21.25						
5	256QAM	1	0	19.33	19.31	19.26			20.5	5		
5	256QAM	1	12	19.28	19.31	19.23						
5	256QAM	1	24	19.25	19.28	19.20						
5	256QAM	12	0	19.31	19.26	19.26			20.5	5		
5	256QAM	12	7	19.32	19.28	19.27						
5	256QAM	12	13	19.37	19.33	19.28						
5	256QAM	25	0	19.27	19.35	19.43			20.5	5		
5	256QAM	25	0	19.27	19.35	19.27						
5	256QAM	25	0	19.27	19.35	19.27						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.32	24.33	24.13			25.5	0		
3	QPSK	1	8	24.28	24.32	24.10						
3	QPSK	1	14	24.21	24.27	24.18						
3	QPSK	8	0	23.39	23.32	23.26			24.5	1		
3	QPSK	8	7	23.27	23.30	23.14						
3	QPSK	16	0	23.21	23.31	23.24						
3	16QAM	1	0	23.32	23.34	23.34			24.5	1		
3	16QAM	1	8	23.35	23.27	23.25						
3	16QAM	8	0	22.33	22.27	22.25						
3	16QAM	8	4	22.25	22.30	22.18			23.5	2		
3	16QAM	8	4	22.24	22.30	22.12						
3	16QAM	16	0	22.21	22.40	22.24						
3	64QAM	1	0	22.27	22.30	22.25			22.5	2		
3	64QAM	1	8	22.28	22.27	22.15						
3	64QAM	1	14	22.29	22.18	22.11						
3	64QAM	8	0	21.39	21.44	21.32			22.5	3		
3	64QAM	8	4	21.22	21.24	21.20						
3	64QAM	8	7	21.26	21.33	21.10						
3	64QAM	15	0	21.16	21.25	21.28			20.5	5		
3	256QAM	1	0	19.30	19.45	19.40						
3	256QAM	1	8	19.22	19.29	19.18						
3	256QAM	1	14	19.37	19.25	19.19			20.5	5		
3	256QAM	8	0	19.24	19.34	19.35						
3	256QAM	8	7	19.34	19.41	19.14						
3	256QAM	15	0	19.24	19.24	19.21			20.5	5		
3	256QAM	15	0	19.24	19.24	19.21						
3	256QAM	15	0	19.24	19.24	19.21						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.32	24.33	24.13			25.5	0		
1.4	QPSK	1	3	24.24	24.31	24.13						
1.4	QPSK	1	5	24.28	24.24	24.12						
1.4	QPSK	3	0	24.22	24.24	24.32			24.5	1		
1.4	QPSK	3	1	24.17	24.26	24.07						
1.4	QPSK	3	3	24.25	24.15	24.05						
1.4	16QAM	1	0	23.28	23.32	23.32			24.5	1		
1.4	16QAM	1	0	23.28	23.31	23.38						
1.4	16QAM	1	3	23.30	23.30	23.19						
1.4	16QAM	3	0	23.24	23.25	23.19			23.5	2		
1.4	16QAM	3	0	23.15	23.26	23.21						
1.4	16QAM	3	1	23.14	23.28	23.28						
1.4	64QAM	1	0	22.17	22.40	22.21			23.5	2		
1.4	64QAM	1	0	22.25	22.38	22.28						
1.4	64QAM	1	3	22.35	22.24	22.19						
1.4	64QAM	1	5	22.31	22.17	22.15			22.5	2		
1.4	64QAM	3	0	22.08	22.29	22.09						
1.4	64QAM	3	0	22.18	22.32	22.15						
1.4	64QAM	3	3	22.23	22.12	22.15			22.5	3		
1.4	64QAM	3	0	21.19	21.32	21.27						
1.4	256QAM	1	0	19.40	19.37	19.17						
1.4	256QAM	1	3	19.25	19.26	19.24			20.5	5		
1.4	256QAM	1	5	19.29	19.29	19.28						
1.4	256QAM	3	0	19.24	19.36	19.25						
1.4	256QAM	3	0	19.39	19.41	19.14			20.5	5		
1.4	256QAM	3	0	19.21	19.15	19.15						
1.4	256QAM	3	0	19.21	19.15	19.15						

Band 13 Ant 1 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.49			25.5	0		
10	QPSK	1	25	24.38						
10	QPSK	1	49	24.37						
10	QPSK	25	0	23.46			24.5	1		
10	QPSK	25	12	23.42						
10	QPSK	25	25	23.34						
10	QPSK	50	0	23.41			24.5	1		
10	16QAM	1	0	23.34						
10	16QAM	1	25	23.42						
10	16QAM	1	49	23.37			23.5	2		
10	16QAM	25	12	23.40						
10	16QAM	25	25	23.36						
10	16QAM	50	0	23.35			23.5	2		
10	16QAM	50	0	22.48						
10	16QAM	1	50	22.39						
10	16QAM	1	75	22.27			23.5	2		
10	16QAM	1	99	22.27						
10	16QAM	25	12	21.44						
10	16QAM	25	12	21.31			22.5	3		
10	16QAM	25	25	21.30						
10	16QAM	50	0	21.40						
10	256QAM	1	0	19.40			20.5	5		
10	256QAM	1	25	19.32						
10	256QAM	1	49	19.32						
10	256QAM	25	12	19.40			20.5	5		
10	256QAM	25	12	19.36						
10	256QAM	25	25	19.30						
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.43	23.32	23.05	25.5	0		
5	QPSK	1	12	24.33	24.30	24.30				
5	QPSK	1	24	24.25	24.31	24.34				
5	QPSK	1	24	23.30	23.44	23.30	24.5	1		
5	QPSK	12	7	23.33	23.29	23.38				
5	QPSK	12	19	23.24	23.28	23.38				
5	QPSK	12	19	23.27	23.31	23.39	24.5	1		
5	16QAM	1	0	23.21	23.24	23.29				
5	16QAM	1	12	23.34	23.39	23.38				
5	16QAM	1	24	23.25	23.30	23.29	23.5	2		
5	16QAM	12	0	22.29	22.33	22.38				
5	16QAM	12	7	22.37	22.33	22.38				
5	16QAM	1	5	22.23	22.33	22.27	22.5	2		
5	16QAM	25	0	22.43	22.41	22.41				
5	16QAM	1	5	22.27	22.29	22.31				
5	16QAM	1	24	22.22	22.29	22.27	22.5	2		
5	16QAM	1	24	22.24	22.17	22.19				
5	16QAM	12	0	21.33	21.37	21.38				
5	16QAM	12	19	21.22	21.25	21.18	20.5	3		
5	16QAM	12	19	21.24	21.21	21.24				
5	16QAM	25	0	21.28	21.29	21.26				
5	256QAM	1	0	19.38	19.32	19.29	20.5	5		
5	256QAM	1	12	19.36	19.38	19.32				
5	256QAM	1	24	19.25	19.28	19.25				
5	256QAM	1	24	19.31	19.25	19.27	20.5	5		
5	256QAM	12	7	19.37	19.33	19.28				
5	256QAM	12	19	19.37	19.45	19.43				

Band 66 Ant 1 DSI 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Time (min)	APRS (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.84	22.91	22.95	24	0						
20	QPSK	1	49	22.70	22.85	22.75								
20	QPSK	1	99	22.73	22.76	22.87								
20	QPSK	50	0	22.71	22.83	22.88								
20	QPSK	50	24	22.78	22.78	22.84	24	0						
20	QPSK	50	50	22.73	22.75	22.83								
20	QPSK	100	0	22.68	22.82	22.75								
20	HQDM	1	0	22.68	22.79	22.76								
20	HQDM	1	49	22.83	22.66	22.86	24	0						
20	HQDM	1	99	22.73	22.71	22.73								
20	HQDM	50	0	21.65	21.80	21.88								
20	HQDM	50	24	21.70	21.70	21.83								
20	HQDM	50	50	21.80	21.82	21.78	23	1						
20	HQDM	100	0	21.80	21.79	21.81								
20	SAQDM	1	0	21.64	21.84	21.79								
20	SAQDM	1	49	21.64	21.71	21.76								
20	SAQDM	1	99	21.78	21.74	21.75	23	1						
20	SAQDM	50	0	20.78	20.95	20.90								
20	SAQDM	50	24	20.86	20.79	20.84								
20	SAQDM	50	50	20.85	20.77	20.87								
20	SAQDM	100	0	20.68	20.83	20.82	22	2						
20	SSQDM	1	0	18.76	18.76	18.86								
20	SSQDM	1	49	18.76	18.76	18.78								
20	SSQDM	1	99	18.89	18.88	18.82								
20	SSQDM	50	0	18.75	18.91	18.75	20	4						
20	SSQDM	50	24	18.65	18.78	18.75								
20	SSQDM	50	50	18.67	18.74	18.67								
20	SSQDM	100	0	18.72	18.65	18.83								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.80	22.77	22.86	24	0						
15	QPSK	1	37	22.83	22.74	22.71								
15	QPSK	1	74	22.81	22.67	22.81								
15	QPSK	36	0	22.65	22.77	22.78								
15	QPSK	36	20	22.72	22.71	22.80	24	0						
15	QPSK	36	36	22.69	22.64	22.74								
15	QPSK	75	0	22.56	22.77	22.71								
15	HQDM	1	0	22.54	22.73	22.75								
15	HQDM	1	37	22.69	22.53	22.54	24	0						
15	HQDM	1	74	22.70	22.83	22.71								
15	HQDM	36	0	21.54	21.87	21.77								
15	HQDM	36	20	21.64	21.64	21.75								
15	HQDM	36	36	21.75	21.74	21.73	23	1						
15	HQDM	75	0	21.77	21.79	21.64								
15	SAQDM	1	0	21.43	21.70	21.69								
15	SAQDM	1	37	21.57	21.66	21.68								
15	SAQDM	1	74	21.65	21.65	21.73	22	2						
15	SAQDM	36	0	20.88	20.88	20.76								
15	SAQDM	36	20	20.73	20.58	20.77								
15	SAQDM	36	36	20.52	20.67	20.74								
15	SAQDM	75	0	20.56	20.78	20.76	20	4						
15	SSQDM	1	0	18.59	18.54	18.65								
15	SSQDM	1	37	18.74	18.78	18.74								
15	SSQDM	1	74	18.83	18.74	18.78								
15	SSQDM	36	0	18.72	18.85	18.83	20	4						
15	SSQDM	36	20	18.59	18.68	18.65								
15	SSQDM	36	36	18.44	18.68	18.62								
15	SSQDM	75	0	18.67	18.60	18.73								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.74	22.68	22.77	24	0						
10	QPSK	1	25	22.66	22.81	22.63								
10	QPSK	1	49	22.70	22.64	22.83								
10	QPSK	25	0	22.63	22.78	22.77								
10	QPSK	25	12	22.71	22.70	22.75	24	0						
10	QPSK	25	25	22.80	22.69	22.80								
10	QPSK	50	0	22.80	22.73	22.71								
10	HQDM	1	0	22.55	22.68	22.67								
10	HQDM	1	25	22.54	22.58	22.62	24	0						
10	HQDM	1	49	22.86	22.51	22.68								
10	HQDM	25	0	21.82	21.73	21.80								
10	HQDM	25	12	21.67	21.63	21.77								
10	HQDM	25	25	21.74	21.68	21.73	23	1						
10	HQDM	50	0	21.74	21.79	21.69								
10	SAQDM	1	0	21.48	21.74	21.68								
10	SAQDM	1	25	21.51	21.62	21.62								
10	SAQDM	1	49	21.85	21.61	21.73	22	2						
10	SAQDM	25	0	20.75	20.86	20.80								
10	SAQDM	25	12	20.72	20.60	20.61								
10	SAQDM	25	25	20.82	20.68	20.81								
10	SAQDM	50	0	20.64	20.77	20.78	20	4						
10	SSQDM	1	0	18.65	18.65	18.63								
10	SSQDM	1	25	18.62	18.72	18.69								
10	SSQDM	1	49	18.87	18.85	18.75								
10	SSQDM	25	0	18.72	18.86	18.85	20	4						
10	SSQDM	25	12	18.59	18.68	18.64								
10	SSQDM	25	25	18.53	18.60	18.55								
10	SSQDM	50	0	18.68	18.58	18.80								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.79	22.78	22.72	24	0						
5	QPSK	1	12	22.58	22.71	22.73								
5	QPSK	1	24	22.67	22.62	22.84								
5	QPSK	11	0	22.59	22.74	22.78								
5	QPSK	12	7	22.73	22.65	22.77	24	0						
5	QPSK	12	13	22.70	22.62	22.80								
5	QPSK	26	0	22.61	22.81	22.70								
5	HQDM	1	0	22.56	22.69	22.67								
5	HQDM	1	12	22.62	22.53	22.55	24	0						
5	HQDM	1	24	22.71	22.65	22.71								
5	HQDM	12	0	21.83	21.69	21.76								
5	HQDM	12	7	21.64	21.61	21.71								
5	HQDM	12	13	21.76	21.77	21.70	23	1						
5	HQDM	25	0	21.66	21.70	21.76								
5	SAQDM	1	0	21.50	21.75	21.67								
5	SAQDM	1	12	21.51	21.62	21.62								
5	SAQDM	1	24	21.85	21.64	21.68	22	2						
5	SAQDM	12	0	20.69	20.92	20.82								
5	SAQDM	12	7	20.75	20.62	20.81								
5	SAQDM	12	13	20.76	20.71	20.79								
5	SAQDM	25	0	20.59	20.70	20.70	20	4						
5	SSQDM	1	0	18.68	18.70	18.82								
5	SSQDM	1	12	18.65	18.67	18.79								
5	SSQDM	1	24	18.85	18.80	18.77								
5	SSQDM	12	0	18.64	18.78	18.64	20	4						
5	SSQDM	12	7	18.63	18.75	18.63								
5	SSQDM	12	13	18.44	18.62	18.85								

GSM850 Ant 4 DSI 2		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	834.4	844.6		824.2	834.4	844.6	
GSM1 Tx slot		32.40	32.46	32.45	33.50	23.40	23.46	23.45	24.50
GPRS 1 Tx slot		32.40	32.41	32.38	33.50	23.40	23.41	23.38	24.50
GPRS 2 Tx slots		31.45	31.36	31.31	32.50	25.45	25.36	25.31	26.50
GPRS 3 Tx slots		29.67	29.61	29.61	31.00	25.41	25.35	25.35	26.74
GPRS 4 Tx slots		28.73	28.79	28.68	30.00	25.73	25.79	25.68	27.00
EDGE 1 Tx slot		26.86	26.93	26.89	28.00	17.86	17.93	17.89	19.00
EDGE 2 Tx slots		23.82	23.96	23.90	25.00	17.82	17.96	17.90	19.00
EDGE 3 Tx slots		22.08	22.11	22.07	23.20	17.82	17.85	17.81	18.94
EDGE 4 Tx slots		20.89	20.93	20.84	22.00	17.89	17.93	17.84	19.00

GSM1900 Ant 4 DSI 2		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)		1650.2	1680	1909.8		1650.2	1680	1909.8	
GSM1 Tx slot		28.42	28.54	28.51	29.50	19.42	19.54	19.51	20.50
GPRS 1 Tx slot		28.38	28.50	28.46	29.50	19.38	19.50	19.46	20.50
GPRS 2 Tx slots		27.64	27.59	27.73	28.50	21.64	21.59	21.73	22.50
GPRS 3 Tx slots		25.83	25.83	25.95	27.00	21.57	21.57	21.69	22.74
GPRS 4 Tx slots		24.80	24.89	24.87	26.00	21.80	21.89	21.87	23.00
EDGE 1 Tx slot		24.82	24.87	24.83	26.00	15.82	15.87	15.83	17.00
EDGE 2 Tx slots		21.81	21.92	21.79	23.00	15.81	15.92	15.79	17.00
EDGE 3 Tx slots		20.03	20.07	20.02	21.20	15.77	15.81	15.76	16.94
EDGE 4 Tx slots		18.88	18.87	18.87	20.00	15.88	15.87	15.87	17.00

Band		WCDMA II Ant 4 DSI 2			Tune-up Limit (dBm)	WCDMA IV Ant 4 DSI 2			Tune-up Limit (dBm)	WCDMA V Ant 4 DSI 2			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1652.4	1680	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.51	22.53	22.45	23.50	22.65	22.75	22.66	23.50	24.31	24.44	24.29	25.50
3GPP Rel 99	AMR 12.2Kbps	22.58	22.66	22.57	23.50	22.80	22.81	22.74	23.50	24.45	24.48	24.41	25.50
3GPP Rel 6	HSDPA Subtest-1	21.52	21.66	21.61	22.50	21.79	21.81	21.76	22.50	23.48	23.50	23.39	24.50
3GPP Rel 6	HSDPA Subtest-2	21.58	21.64	21.59	22.50	21.77	21.83	21.79	22.50	23.50	23.49	23.35	24.50
3GPP Rel 6	HSDPA Subtest-3	21.08	21.21	21.02	22.00	21.29	21.37	21.26	22.00	22.92	23.04	22.94	24.00
3GPP Rel 6	HSDPA Subtest-4	21.06	21.11	21.09	22.00	21.27	21.28	21.26	22.00	22.91	22.93	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.60	21.62	21.56	22.50	21.85	21.76	21.79	22.50	23.40	23.48	23.44	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.53	21.62	21.61	22.50	21.86	21.80	21.75	22.50	23.46	23.45	23.45	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.04	21.22	21.02	22.00	21.27	21.37	21.24	22.00	23.00	22.94	22.87	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.10	21.13	21.08	22.00	21.29	21.33	21.22	22.00	22.99	22.93	22.95	24.00
3GPP Rel 6	HSUPA Subtest-1	21.62	21.71	21.56	22.50	21.79	21.77	21.72	22.50	23.49	23.48	23.44	24.50
3GPP Rel 6	HSUPA Subtest-2	19.57	19.72	19.55	20.50	19.84	19.81	19.76	20.50	21.44	21.48	21.44	22.50
3GPP Rel 6	HSUPA Subtest-3	20.59	20.66	20.55	21.50	20.79	20.81	20.76	21.50	22.48	22.53	22.43	23.50
3GPP Rel 6	HSUPA Subtest-4	19.60	19.70	19.57	20.50	19.78	19.80	19.79	20.50	21.50	21.49	21.35	22.50
3GPP Rel 6	HSUPA Subtest-5	21.56	21.71	21.60	22.50	21.80	21.81	21.73	22.50	23.44	23.52	23.41	24.50
3GPP Rel 7	HSPA+ (HSPA) Subtest-1	19.09	19.14	19.06	20.00	19.25	19.36	19.25	20.00	20.93	21.04	20.95	22.00

Band 7 Ant 3 DSI 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				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.68	23.75	23.66	24.5	0	
20	QPSK	1	49	23.56	23.71	23.63			
20	QPSK	1	99	23.61	23.66	23.57			
20	QPSK	50	0	22.69	22.76	22.71	23.5	1	
20	QPSK	50	24	22.56	22.68	22.63			
20	QPSK	50	50	22.62	22.64	22.62			
20	QPSK	100	0	22.63	22.75	22.64	23.5	1	
20	16QAM	1	0	22.64	22.73	22.69			
20	16QAM	1	49	22.50	22.73	22.62			
20	16QAM	1	99	22.59	22.69	22.58	22.5	2	
20	16QAM	50	0	21.69	21.80	21.67			
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58	22.5	2	
20	16QAM	100	0	21.62	21.80	21.60			
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63	22.5	2	
20	64QAM	1	99	21.57	21.72	21.61			
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67	21.5	3	
20	64QAM	50	50	20.65	20.59	20.64			
20	64QAM	100	0	20.59	20.73	20.66			
20	256QAM	1	0	18.73	18.72	18.68	19.5	5	
20	256QAM	1	49	18.55	18.66	18.67			
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64	19.5	5	
20	256QAM	50	24	18.64	18.71	18.74			
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.56	23.63	23.57	24.5	0	
15	QPSK	1	37	23.48	23.58	23.53			
15	QPSK	1	74	23.54	23.54	23.48			
15	QPSK	36	0	22.67	22.66	22.61	23.5	1	
15	QPSK	36	20	22.50	22.57	22.51			
15	QPSK	36	39	22.53	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59	23.5	1	
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55			
15	16QAM	1	74	22.46	22.65	22.53	22.5	2	
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	2	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58	22.5	2	
15	64QAM	1	74	21.46	21.65	21.47			
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54	21.5	3	
15	64QAM	36	39	20.54	20.49	20.53			
15	64QAM	75	0	20.49	20.64	20.60			
15	256QAM	1	0	18.60	18.70	18.62	19.5	5	
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	5	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.57	23.71	23.52	24.5	0	
10	QPSK	1	25	23.48	23.63	23.52			
10	QPSK	1	49	23.56	23.62	23.44			
10	QPSK	25	0	22.62	22.65	22.60	23.5	1	
10	QPSK	25	12	22.54	22.64	22.59			
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62	23.5	1	
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57			
10	16QAM	1	49	22.54	22.67	22.49	22.5	2	
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	2	
10	16QAM	50	0	21.52	21.78	21.48			
10	64QAM	1	0	21.54	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59	22.5	2	
10	64QAM	1	49	21.43	21.63	21.57			
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64	21.5	3	
10	64QAM	25	25	20.58	20.47	20.61			
10	64QAM	50	0	20.47	20.64	20.62			
10	256QAM	1	0	18.71	18.62	18.59	19.5	5	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62	19.5	5	
10	256QAM	25	12	18.62	18.68	18.69			
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.65	23.72	23.61	24.5	0	
5	QPSK	1	12	23.48	23.67	23.51			
5	QPSK	1	24	23.54	23.61	23.44			
5	QPSK	12	0	22.59	22.65	22.67	23.5	1	
5	QPSK	12	7	22.46	22.56	22.57			
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61	23.5	1	
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56			
5	16QAM	1	24	22.47	22.56	22.46	22.5	2	
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	2	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.53	22.5	2	
5	64QAM	1	24	21.50	21.61	21.53			
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54	21.5	3	
5	64QAM	12	13	20.53	20.47	20.51			
5	64QAM	25	0	20.54	20.70	20.63			
5	256QAM	1	0	18.71	18.65	18.62	19.5	5	
5	256QAM	1	12	18.52	18.55	18.57			
5	256QAM	1	24	18.54	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59	19.5	5	
5	256QAM	12	7	18.50	18.64	18.65			
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			

Band 12 Ant 4 DSI 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.41	24.35	24.37			25.5	0		
10	QPSK	1	25	24.38	24.54	24.28						
10	QPSK	1	49	24.33	24.33	24.34			24.5	1		
10	QPSK	25	0	23.40	23.49	23.32						
10	QPSK	25	12	23.40	23.49	23.32			24.5	1		
10	QPSK	25	25	23.32	23.48	23.24						
10	16QAM	1	0	23.43	23.51	23.33			24.5	1		
10	16QAM	1	25	23.39	23.54	23.30						
10	16QAM	1	49	23.28	23.51	23.27			23.5	2		
10	16QAM	25	0	22.45	22.55	22.32						
10	16QAM	25	12	22.42	22.55	22.38			23.5	2		
10	16QAM	25	25	22.31	22.47	22.28						
10	64QAM	1	0	22.32	22.55	22.34			23.5	2		
10	64QAM	1	25	22.28	22.50	22.27						
10	64QAM	1	49	22.28	22.52	22.36			22.5	3		
10	64QAM	25	0	21.40	21.49	21.33						
10	64QAM	25	12	21.41	21.41	21.33			22.5	3		
10	64QAM	25	25	21.35	21.48	21.18						
10	256QAM	1	0	21.38	21.57	21.32			20.5	5		
10	256QAM	1	25	19.45	19.58	19.28						
10	256QAM	1	25	19.32	19.55	19.28			20.5	5		
10	256QAM	1	49	19.43	19.55	19.35						
10	256QAM	25	0	19.43	19.48	19.37			20.5	5		
10	256QAM	25	12	19.43	19.48	19.37						
10	256QAM	50	0	19.39	19.52	19.33			20.5	5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.36	24.34	24.27					25.5	0
5	QPSK	1	12	24.37	24.31	24.19						
5	QPSK	12	0	23.37	23.51	23.29			24.5	1		
5	QPSK	12	7	23.33	23.42	23.30						
5	QPSK	12	13	23.25	23.41	23.23			24.5	1		
5	QPSK	25	0	23.39	23.49	23.26						
5	16QAM	1	0	23.42	23.41	23.22			24.5	1		
5	16QAM	1	12	23.39	23.47	23.24						
5	16QAM	12	0	22.34	22.54	22.30			23.5	2		
5	16QAM	12	7	22.27	22.47	22.25						
5	16QAM	25	0	22.23	22.46	22.30			23.5	2		
5	16QAM	25	0	22.23	22.46	22.30						
5	64QAM	1	0	22.38	22.48	22.37			22.5	2		
5	64QAM	1	12	22.35	22.47	22.35						
5	64QAM	1	24	22.17	22.47	22.31			22.5	3		
5	64QAM	12	0	21.31	21.44	21.35						
5	64QAM	12	0	21.32	21.32	21.25			20.5	5		
5	64QAM	12	13	21.24	21.34	21.10						
5	64QAM	25	0	21.34	21.48	21.31			20.5	5		
5	256QAM	1	0	19.45	19.55	19.34						
5	256QAM	1	12	19.22	19.49	19.22			20.5	5		
5	256QAM	1	24	19.24	19.49	19.18						
5	256QAM	12	0	19.31	19.43	19.25			20.5	5		
5	256QAM	12	7	19.42	19.41	19.30						
5	256QAM	12	13	19.31	19.37	19.08			20.5	5		
5	256QAM	25	0	19.33	19.46	19.28						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.32	24.31	24.17			25.5	0		
3	QPSK	1	8	24.33	24.42	24.16						
3	QPSK	1	14	24.23	24.33	24.22			24.5	1		
3	QPSK	8	0	23.38	23.49	23.26						
3	QPSK	8	4	23.34	23.42	23.23			24.5	1		
3	QPSK	8	7	23.24	23.41	23.14						
3	16QAM	1	0	23.31	23.50	23.17			24.5	1		
3	16QAM	1	8	23.40	23.50	23.25						
3	16QAM	1	8	23.36	23.49	23.21			23.5	2		
3	16QAM	8	0	22.30	22.47	22.25						
3	16QAM	8	4	22.33	22.51	22.30			23.5	2		
3	16QAM	8	7	22.30	22.37	22.26						
3	64QAM	1	0	22.31	22.51	22.27			22.5	2		
3	64QAM	1	8	22.35	22.38	22.24						
3	64QAM	1	14	22.22	22.49	22.27			22.5	3		
3	64QAM	8	0	21.37	21.46	21.37						
3	64QAM	8	4	21.32	21.45	21.28			20.5	5		
3	64QAM	8	7	21.22	21.45	21.08						
3	64QAM	15	0	21.28	21.48	21.27			20.5	5		
3	256QAM	1	0	19.43	19.55	19.33						
3	256QAM	1	8	19.32	19.52	19.18			20.5	5		
3	256QAM	1	14	19.31	19.43	19.25						
3	256QAM	8	0	19.33	19.53	19.34			20.5	5		
3	256QAM	8	4	19.40	19.46	19.26						
3	256QAM	8	7	19.25	19.46	19.12			20.5	5		
3	256QAM	15	0	19.30	19.46	19.25						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.32	24.31	24.17			25.5	0		
1.4	QPSK	1	5	24.33	24.43	24.22						
1.4	QPSK	1	5	24.33	24.46	24.21			24.5	1		
1.4	QPSK	3	0	23.33	23.43	23.28						
1.4	QPSK	3	1	24.27	24.49	24.15			24.5	1		
1.4	QPSK	3	3	24.34	24.48	24.22						
1.4	16QAM	1	0	23.35	23.52	23.29			24.5	1		
1.4	16QAM	1	3	23.38	23.49	23.22						
1.4	16QAM	1	3	23.31	23.45	23.19			23.5	2		
1.4	16QAM	3	0	23.42	23.46	23.30						
1.4	16QAM	3	1	23.35	23.52	23.27			23.5	2		
1.4	16QAM	3	1	23.24	23.45	23.19						
1.4	64QAM	1	0	22.44	22.52	22.27			23.5	2		
1.4	64QAM	1	5	22.32	22.54	22.34						
1.4	64QAM	1	5	22.30	22.43	22.20			23.5	2		
1.4	64QAM	1	5	22.23	22.50	22.28						
1.4	64QAM	3	0	22.41	22.49	22.38			22.5	3		
1.4	64QAM	3	1	22.28	22.48	22.21						
1.4	64QAM	3	3	22.23	22.48	22.32			22.5	3		
1.4	64QAM	6	0	21.35	21.54	21.21						
1.4	256QAM	1	0	19.40	19.50	19.33			20.5	5		
1.4	256QAM	1	3	19.28	19.51	19.19						
1.4	256QAM	1	5	19.21	19.45	19.10			20.5	5		
1.4	256QAM	3	0	19.40	19.45	19.28						
1.4	256QAM	3	3	19.26	19.44	19.07			20.5	5		
1.4	256QAM	6	0	19.35	19.40	19.24						

Band 13 Ant 4 DSI 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.50			25.5	0		
10	QPSK	1	25	24.38	24.48					
10	QPSK	1	49	24.35	24.47	24.39	24.5	1		
10	QPSK	25	0	23.54						
10	QPSK	25	12	23.46			24.5	1		
10	QPSK	25	25	23.48	23.46	23.37				
10	QPSK	50	0	23.51			24.5	1		
10	QPSK	50	12	23.52		23.54				
10	QPSK	1	49	23.51	23.47	23.52	23.5	2		
10	QPSK	25	0	23.53						
10	QPSK	25	12	23.46			23.5	2		
10	QPSK	25	25	23.48	23.46	23.37				
10	QPSK	50	0	23.48			23.5	2		
10	QPSK	50	12	23.51		23.52				
10	QPSK	1	25	22.47			23.5	2		
10	QPSK	1	49	22.58						
10	QPSK	1	73	22.57	22.58	22.56	22.5	3		
10	QPSK	25	0	21.48						
10	QPSK	25	12	21.45			20.5	5		
10	QPSK	25	25	21.52	21.53	21.52				
10	QPSK	50	0	19.55			20.5	5		
10	QPSK	50	12	19.48		19.53				
10	QPSK	25	12	19.54		19.54	20.5	5		
10	QPSK	50	0	19.55		19.55				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.40	24.48	24.41	25.5	0		
5	QPSK	1	12	24.37	24.37	24.38				
5	QPSK	1	24	24.44	24.41	24.38	24.5	1		
5	QPSK	1	36	23.48	23.48	23.42				
5	QPSK	12	7	23.35	23.45	23.40	24.5	1		
5	QPSK	12	19	23.38	23.38	23.45				
5	QPSK	1	41	23.42	23.42	23.45	24.5	1		
5	QPSK	1	0	23.51	23.48	23.48				
5	QPSK	1	12	23.43	23.40	23.41	24.5	1		
5	QPSK	1	24	23.51	23.47	23.47				
5	QPSK	12	0	22.51	22.49	22.50	23.5	2		
5	QPSK	12	12	22.49	22.42	22.50				
5	QPSK	12	24	22.48	22.42	22.46	23.5	2		
5	QPSK	25	0	22.42	22.37	22.48				
5	QPSK	1	24	22.47	22.44	22.45	23.5	2		
5	QPSK	1	36	22.38	22.38	22.38				
5	QPSK	1	24	22.39	22.35	22.40	22.5	3		
5	QPSK	12	0	21.51	21.47	21.47				
5	QPSK	12	12	21.40	21.46	21.46	22.5	3		
5	QPSK	12	24	21.42	21.43	21.39				
5	QPSK	25	0	21.49	21.48	21.47	20.5	5		
5	QPSK	25	12	21.45	21.45	21.45				
5	QPSK	1	12	19.38	19.37	19.47	20.5	5		
5	QPSK	12	24	18.47	18.47	18.45				
5	QPSK	12	24	18.46	18.46	18.58	20.5	5		
5	QPSK	12	7	19.45	19.51	19.50				
5	QPSK	12	19	19.42	19.54	19.52	20.5	5		
5	QPSK	25	0	19.56	19.56	19.56				
5	QPSK	25	12	19.45						

Band 66 Ant 4 DSI 2																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Turn-up Time (min)	MFR (dB)									
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	22.58	22.69	22.37	23.5	0	23	0.5							
20	QPSK	1	49	22.48	22.64	22.35											
20	QPSK	1	99	22.41	22.61	22.31											
20	QPSK	50	0	22.58	22.23	21.85	23	0.5	23	0.5							
20	QPSK	50	24	21.97	22.09	21.61											
20	QPSK	50	50	21.93	22.14	21.65											
20	QPSK	100	0	22.12	22.21	21.82	23	0.5	23	0.5							
20	HQDM	1	0	22.00	22.17	21.71											
20	HQDM	1	49	21.89	21.99	21.59											
20	HQDM	1	99	21.81	22.09	21.75	22	1.5	22	1.5							
20	HQDM	50	0	21.12	21.19	20.99											
20	HQDM	50	24	21.01	21.12	20.99											
20	HQDM	50	50	20.92	21.18	20.91	21	2.5	21	2.5							
20	HQDM	100	0	21.13	21.19	20.92											
20	HQDM	1	0	21.05	21.17	20.75											
20	HQDM	1	49	20.88	20.98	20.86	20	1.5	20	1.5							
20	HQDM	1	99	20.78	21.13	20.89											
20	HQDM	50	0	20.07	20.19	19.85											
20	HQDM	50	24	20.03	20.07	19.86	19	4.5	19	4.5							
20	HQDM	50	50	19.99	20.18	19.86											
20	HQDM	100	0	20.18	20.12	19.79											
20	SSQDM	1	0	18.04	18.16	17.68	19	4.5	19	4.5							
20	SSQDM	1	49	18.03	18.13	17.82											
20	SSQDM	1	99	17.94	18.09	17.82											
20	SSQDM	36	0	18.07	18.13	17.79											
20	SSQDM	36	24	18.01	18.19	17.75											
20	SSQDM	36	50	17.94	18.02	17.82											
20	SSQDM	100	0	17.76	18.10	17.71											
Channel																	
Frequency (MHz)																	
15	QPSK	1	0	22.54	22.58	22.24	23.5	0	23	0.5							
15	QPSK	1	37	22.41	22.60	22.34											
15	QPSK	1	74	22.35	22.57	22.28											
15	QPSK	36	0	21.89	22.21	21.71	23	0.5	23	0.5							
15	QPSK	36	20	21.83	22.04	21.64											
15	QPSK	36	39	21.87	22.01	21.76											
15	QPSK	75	0	22.09	22.19	21.78	23	0.5	23	0.5							
15	HQDM	1	0	21.88	22.14	21.68											
15	HQDM	1	37	21.89	21.91	21.78											
15	HQDM	1	74	21.72	21.97	21.68	22	1.5	22	1.5							
15	HQDM	36	0	21.09	21.05	20.73											
15	HQDM	36	20	20.91	20.98	20.78											
15	HQDM	36	39	20.87	21.13	20.74	21	2.5	21	2.5							
15	HQDM	75	0	21.09	21.13	20.75											
15	HQDM	1	0	20.97	21.10	20.68											
15	HQDM	1	37	20.77	20.98	20.61	21	2.5	21	2.5							
15	HQDM	1	74	20.71	21.01	20.71											
15	HQDM	36	0	20.04	20.11	19.81											
15	HQDM	36	20	19.98	20.04	19.85	19	4.5	19	4.5							
15	HQDM	36	39	19.84	20.07	19.85											
15	HQDM	75	0	20.06	20.15	19.68											
15	SSQDM	1	0	18.01	18.16	17.65	19	4.5	19	4.5							
15	SSQDM	1	37	18.00	18.05	17.85											
15	SSQDM	1	74	17.85	18.01	17.71											
15	SSQDM	36	0	17.04	18.15	17.75	19	4.5	19	4.5							
15	SSQDM	36	20	17.95	18.15	17.74											
15	SSQDM	36	39	17.84	17.89	17.81											
15	SSQDM	100	0	17.68	18.04	17.67											
Channel																	
Frequency (MHz)																	
10	QPSK	1	0	22.44	22.59	22.28	23.5	0	23	0.5							
10	QPSK	1	25	22.41	22.52	22.23											
10	QPSK	1	49	22.30	22.56	22.17											
10	QPSK	25	0	21.99	22.20	21.73	23	0.5	23	0.5							
10	QPSK	25	12	21.93	22.05	21.77											
10	QPSK	25	25	21.83	22.08	21.78											
10	QPSK	36	0	22.02	22.10	21.71	23	0.5	23	0.5							
10	HQDM	1	0	21.93	22.04	21.68											
10	HQDM	1	25	21.78	21.86	21.75											
10	HQDM	1	49	21.73	21.95	21.68	22	1.5	22	1.5							
10	HQDM	25	0	21.09	21.02	20.73											
10	HQDM	25	12	20.89	21.08	20.88											
10	HQDM	25	25	20.85	21.08	20.69	21	2.5	21	2.5							
10	HQDM	36	0	21.09	21.08	20.78											
10	HQDM	1	0	20.97	21.13	20.65											
10	HQDM	1	25	20.78	20.83	20.61	21	2.5	21	2.5							
10	HQDM	1	49	20.72	21.04	20.76											
10	HQDM	25	0	20.03	20.07	19.78											
10	HQDM	25	12	19.99	20.02	19.80	19	4.5	19	4.5							
10	HQDM	25	25	19.82	20.08	19.79											
10	HQDM	50	0	20.02	20.12	19.69											
10	SSQDM	1	0	17.83	18.14	17.65	19	4.5	19	4.5							
10	SSQDM	1	25	17.93	18.08	17.82											
10	SSQDM	1	49	17.82	18.05	17.72											
10	SSQDM	25	0	18.01	18.03	17.67	19	4.5	19	4.5							
10	SSQDM	25	12	17.96	18.12	17.67											
10	SSQDM	25	25	17.85	17.89	17.84											
10	SSQDM	50	0	17.73	18.00	17.63											
Channel																	
Frequency (MHz)																	
5	QPSK	1	0	22.40	22.54	22.24	23.5	0	23	0.5							
5	QPSK	1	12	22.40	22.60	22.23											
5	QPSK	1	24	22.29	22.59	22.26											
5	QPSK	31	0	22.00	22.11	21.76	23	0.5	23	0.5							
5	QPSK	12	7	21.91	22.03	21.89											
5	QPSK	12	13	21.85	22.08	21.71											
5	QPSK	36	0	22.03	22.19	21.78	23	0.5	23	0.5							
5	HQDM	1	0	21.90	22.04	21.68											
5	HQDM	1	12	21.78	21.88	21.76											
5	HQDM	1	24	21.73	22.04	21.72	22	1.5	22	1.5							
5	HQDM	12	0	21.05	21.02	20.76											
5	HQDM	12	7	20.91	21.91	20.86											
5	HQDM	12	13	20.84	21.12	20.71	21	2.5	21	2.5							
5	HQDM	25	0	21.06	21.05	20.69											
5	HQDM	1	0	20.97	21.10	20.71											
5	HQDM	1	12	20.77	20.84	20.65	21	2.5	21	2.5							
5	HQDM	1	24	20.74	21.06	20.68											
5	HQDM	12	0	20.04	20.08	19.78											
5	HQDM	12	7	19.97	19.99	19.85	19	4.5	19	4.5							
5	HQDM	12	13	19.77	20.07	19.75											
5	HQDM	25	0	20.11	20.11	19.85											
5	SSQDM	1	0	17.82	18.02	17.61	19	4.5	19	4.5							
5	SSQDM	1	12	17.84	18.06	17.81											
5	SSQDM	1	24	17.73	18.00	17.63											
5	SSQDM	12	0	17.87	18.14	17.71	19	4.5	19	4.5							
5	SSQDM	12	7	17.85	18.14	17.70											
5	SSQDM	12	13	17.78	17.89	17.82											
5	SSQDM	25	0	17.65	17.99	17.64											
Channel																	
Frequency (MHz)																	
3	QPSK	1	0	22.45	22.60	22.31	23.5	0	23	0.5							
3	QPSK	1	8	22.38	22.61	22.34											
3	QPSK	1	14	22.30	22.62	22.30											
3	QPSK	8	0	22.02	22.21	21.72	23	0.5	23	0.5							
3	QPSK	8	4	21.91	22.09	21.65											
3	QPSK	8	9	21.83	22.14	21.76											
3	QPSK	16	0	22.04	22.24	21.65	23	0.5	23	0.5							
3	HQDM	1	0	21.97	22.14	21.70											
3	HQDM	1	8	21.82	22.14	21.73											
3	HQDM	1	14	21.75	22.08	21.69	22	1.5	22	1.5							
3	HQDM	8	0	21.02	21.03	20.73											
3	HQDM	8	4	20.92	21.09	20.74											
3	HQDM	8	9	20.81	21.13	20.78	21	2.5	21	2.5							
3	HQDM	16	0	21.00	21.12	20.83											
3	HQDM	1	0	20.97	21.03	20.78											
3	HQDM	1	8	20.87	21.05	20.68	19	4.5	19	4.5							
3	HQDM	1	14	20.84	21.03	20.68											
3	HQDM	8	0	20.13	20.13	19.72											
3	SSQDM	1	0	17.85	18.23	17.84	19	4.5	19	4.5							
3	SSQDM	1	8	17.88	18.21	17.87											
3	SSQDM	1	14	17.83	18.20	17.74											
3	SSQDM	8	0	17.84	18.13	17.77	19	4.5	19	4.5							
3	SSQDM	8	4	17.82	18.13	17.77											
3	SSQDM	8	9	17.78	17.89	17.82											
3	SSQDM	16	0	17.68	18.06	17.69											
Channel																	
Frequency (MHz)																	
1.5	QPSK	1	0	22.49	22.58	22.24	23.5	0	23	0.5							
1.5	QPSK	1	8	22.42	22.59	22.26											
1.5	QPSK	1	14	22.32	22.56	22.26											
1.5	QPSK	8	0	22.00	22.11	21.72	23	0.5	23	0.5							
1.5	QPSK	8	4	21.92	22.06	21.72											
1.5	QPSK	8	9	21.81	22.01	21.73											
1.5	QPSK	16	0	22.01	22.14	21.70	23	0.5	23	0.5							
1.5	HQDM	1	0	21.92	22.04	21.67											
1.5	HQDM	1	8	21.81	21.96	21.65											
1.5	HQDM	1	14	21.71	21.99	21.66	22	1.5	22	1.5							
1.5	HQDM	8	0	21.02	21.03	20.72											
1.5	HQDM	8	4	20.92	21.09	20.74											
1.5	HQDM	8	9	20.81	21.13	20.77	21	2.5	21	2.5							
1.5	HQDM	16	0	21.00	21.12	20.83											
1.5	HQDM	1	0	20.97	21.03	20.78											
1.5	HQDM	1	8	20.87	21.05	20.68	19	4.5	19	4.5							
1.5	HQDM	1	14	20.84	21.03	20.68											
1.5	HQDM	8	0	20.11	20.12	19.67											
1.5	SSQDM	1	0	18.01	18.16	17.63	19	4.5	19	4.5							
1.5	SSQDM	1	8	17.98	17.98	17.82											
1.5	SSQDM	1	14	17.81	17.86	17.78											
1.5	SSQDM	8	0	17.99	18.16	17.78	19	4.5	19	4.5							
1.5	SSQDM	8	4	17.96	18.13	17.77											
1.5	SSQDM	8	9	17.88	17.88	17.82											

Band 38 Ant 1 DSI 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.49	23.51	23.47	24.5	0		
20	QPSK	1	49	23.47	23.50	23.42				
20	QPSK	1	99	23.46	23.49	23.44				
20	QPSK	50	0	22.53	22.49	22.42	23.5	1		
20	QPSK	50	24	22.48	22.47	22.46				
20	QPSK	50	50	22.41	22.49	22.39				
20	QPSK	100	0	22.44	22.45	22.39	23.5	1		
20	16QAM	1	0	22.44	22.50	22.44				
20	16QAM	1	49	22.48	22.45	22.46				
20	16QAM	1	99	22.49	22.46	22.48	22.5	2		
20	16QAM	50	0	21.48	21.49	21.42				
20	16QAM	50	24	21.45	21.47	21.43				
20	16QAM	50	50	21.36	21.54	21.36	22.5	2		
20	16QAM	100	0	21.49	21.42	21.37				
20	64QAM	1	0	21.44	21.51	21.52				
20	64QAM	1	49	21.48	21.50	21.36	22.5	2		
20	64QAM	1	99	21.48	21.45	21.41				
20	64QAM	50	0	20.49	20.53	20.47				
20	64QAM	50	24	20.49	20.42	20.51	21.5	3		
20	64QAM	50	50	20.40	20.44	20.35				
20	64QAM	100	0	20.45	20.51	20.42				
20	256QAM	1	0	18.48	18.49	18.52	19.5	5		
20	256QAM	1	49	18.45	18.47	18.42				
20	256QAM	1	99	18.51	18.53	18.40				
20	256QAM	50	0	18.50	18.52	18.48	19.5	5		
20	256QAM	50	24	18.46	18.48	18.47				
20	256QAM	50	50	18.43	18.47	18.43				
20	256QAM	100	0	18.45	18.49	18.33				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.44	23.49	23.43	24.5	0		
15	QPSK	1	37	23.45	23.48	23.42				
15	QPSK	1	74	23.34	23.41	23.38				
15	QPSK	36	0	22.41	22.48	22.39	23.5	1		
15	QPSK	36	20	22.48	22.43	22.45				
15	QPSK	36	39	22.31	22.45	22.30				
15	QPSK	75	0	22.34	22.43	22.35	23.5	1		
15	16QAM	1	0	22.38	22.45	22.42				
15	16QAM	1	37	22.37	22.45	22.43				
15	16QAM	1	74	22.40	22.43	22.46	22.5	2		
15	16QAM	36	0	21.48	21.37	21.33				
15	16QAM	36	20	21.34	21.37	21.36				
15	16QAM	36	39	21.34	21.49	21.28	22.5	2		
15	16QAM	75	0	21.45	21.32	21.30				
15	64QAM	1	0	21.43	21.41	21.50				
15	64QAM	1	37	21.42	21.40	21.26	22.5	2		
15	64QAM	1	74	21.44	21.42	21.32				
15	64QAM	36	0	20.48	20.44	20.47				
15	64QAM	36	20	20.39	20.39	20.48	21.5	3		
15	64QAM	36	39	20.40	20.39	20.34				
15	64QAM	75	0	20.45	20.42	20.40				
15	256QAM	1	0	18.43	18.38	18.45	19.5	5		
15	256QAM	1	37	18.43	18.42	18.39				
15	256QAM	1	74	18.41	18.48	18.32				
15	256QAM	36	0	18.47	18.43	18.46	19.5	5		
15	256QAM	36	20	18.44	18.39	18.40				
15	256QAM	36	39	18.34	18.35	18.37				
15	256QAM	75	0	18.42	18.48	18.23				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.48	23.48	23.45	24.5	0		
10	QPSK	1	25	23.36	23.41	23.40				
10	QPSK	1	49	23.38	23.39	23.34				
10	QPSK	25	0	22.41	22.38	22.31	23.5	1		
10	QPSK	25	12	22.37	22.41	22.35				
10	QPSK	25	25	22.35	22.46	22.45				
10	QPSK	50	0	22.44	22.36	22.27	23.5	1		
10	16QAM	1	0	22.36	22.45	22.39				
10	16QAM	1	25	22.38	22.42	22.35				
10	16QAM	1	49	22.39	22.38	22.37	22.5	2		
10	16QAM	25	0	21.38	21.40	21.34				
10	16QAM	25	12	21.37	21.41	21.40				
10	16QAM	25	25	21.33	21.44	21.34	22.5	2		
10	16QAM	50	0	21.44	21.39	21.28				
10	64QAM	1	0	21.35	21.46	21.43				
10	64QAM	1	25	21.47	21.46	21.28	22.5	2		
10	64QAM	1	49	21.37	21.37	21.34				
10	64QAM	25	0	20.42	20.51	20.41				
10	64QAM	25	12	20.38	20.36	20.48	21.5	3		
10	64QAM	25	25	20.35	20.42	20.27				
10	64QAM	50	0	20.38	20.48	20.35				
10	256QAM	1	0	18.43	18.40	18.41	19.5	5		
10	256QAM	1	25	18.44	18.46	18.38				
10	256QAM	1	49	18.42	18.50	18.32				
10	256QAM	25	0	18.41	18.48	18.36	19.5	5		
10	256QAM	25	12	18.43	18.47	18.44				
10	256QAM	25	25	18.41	18.45	18.41				
10	256QAM	50	0	18.44	18.44	18.25				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.42	23.48	23.41	24.5	0		
5	QPSK	1	12	23.38	23.41	23.35				
5	QPSK	1	24	23.45	23.42	23.42				
5	QPSK	12	0	22.44	22.46	22.40	23.5	1		
5	QPSK	12	7	22.39	22.43	22.45				
5	QPSK	12	13	22.41	22.41	22.30				
5	QPSK	25	0	22.37	22.35	22.30	23.5	1		
5	16QAM	1	0	22.41	22.45	22.43				
5	16QAM	1	12	22.46	22.36	22.39				
5	16QAM	1	24	22.40	22.35	22.41	22.5	2		
5	16QAM	12	0	21.48	21.40	21.30				
5	16QAM	12	7	21.40	21.41	21.43				
5	16QAM	12	13	21.29	21.53	21.33	22.5	2		
5	16QAM	25	0	21.44	21.31	21.31				
5	64QAM	1	0	21.42	21.46	21.49				
5	64QAM	1	12	21.38	21.42	21.26	22.5	2		
5	64QAM	1	24	21.39	21.35	21.41				
5	64QAM	12	0	20.40	20.42	20.44				
5	64QAM	12	7	20.43	20.41	20.48	21.5	3		
5	64QAM	12	13	20.38	20.37	20.34				
5	64QAM	25	0	20.35	20.41	20.33				
5	256QAM	1	0	18.44	18.42	18.34	19.5	5		
5	256QAM	1	12	18.44	18.42	18.30				
5	256QAM	1	24	18.47	18.49	18.39				
5	256QAM	12	0	18.45	18.43	18.44	19.5	5		
5	256QAM	12	7	18.45	18.45	18.40				
5	256QAM	12	13	18.40	18.39	18.39				
5	256QAM	25	0	18.39	18.46	18.23				

Band 42 Part 27Q Ant 2 DSI 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	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.98	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04	19	1	
20	QPSK	50	24	17.97	18.09	18.00			
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14	19	1	
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04			
20	16QAM	1	99	17.96	18.03	18.01	18	2	
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18		
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00	18	2	
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03			
20	64QAM	50	0	16.02	16.16	15.98	17	3	
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15	15	5	
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.08	13.99			
20	256QAM	1	99	13.93	14.12	14.01	15	5	
20	256QAM	50	0	14.06	14.17	14.16			
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02	20		
20	256QAM	100	0	13.92	14.05	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.02	19.04	19.04	20	0	
15	QPSK	1	37	18.96	18.99	18.89			
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01	19	1	
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.90	18.08	17.95			
15	QPSK	75	0	18.07	18.09	18.08	19	1	
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	18	2	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04	18	2	
15	16QAM	75	0	17.06	17.11	17.10			
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03	17	3	
15	64QAM	1	74	16.89	16.88	16.92			
15	64QAM	36	0	15.99	16.10	15.93			
15	64QAM	36	20	15.92	16.08	15.91	15	5	
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.91	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.98	19.02	19.06	20	0	
10	QPSK	1	25	18.93	18.96	18.96			
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.99	18.05	17.92	19	1	
10	QPSK	25	12	17.88	18.05	17.96			
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12	19	1	
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98			
10	16QAM	1	49	17.91	17.92	17.91	18	2	
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99	17	3	
10	64QAM	1	49	16.91	16.91	16.95			
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97	15	5	
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01			
10	256QAM	1	0	13.99	14.11	13.92	15	5	
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.00	19.05	18.98	20	0	
5	QPSK	1	12	18.93	19.01	18.96			
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98	19	1	
5	QPSK	12	7	17.88	18.02	17.88			
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08	19	1	
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01			
5	16QAM	1	24	17.87	17.97	17.95	18	2	
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02	18	2	
5	64QAM	1	24	16.92	16.92	16.95			
5	64QAM	12	0	15.89	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95	17	3	
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01			
5	256QAM	1	0	14.02	14.06	13.90	15	5	
5	256QAM	1	12	13.79	14.04	13.89			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low/Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09		
20	QPSK	50	24	18.05	18.04	18.00	17.99	19	1
20	QPSK	50	50	18.01	18.11	17.97	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01		
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04	19	1
20	16QAM	1	99	17.97	18.05	17.90	18.05		
20	16QAM	50	0	17.07	17.16	17.05	17.05		
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	64QAM	1	0	17.03	17.06	17.03	17.11		
20	64QAM	1	49	17.02	17.04	16.94	16.96		
20	64QAM	1	99	17.00	17.08	16.92	17.14	18	2
20	64QAM	50	0	16.03	16.14	16.00	16.07		
20	64QAM	50	24	16.08	16.03	16.03	15.95		
20	64QAM	50	50	15.95	16.15	15.90	16.03		
20	64QAM	100	0	16.01	16.17	15.91	16.01	17	3
20	256QAM	1	0	14.04	14.06	14.06	14.15		
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.98	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.97	19.10	18.98	19.03	20	0
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.08	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.89	18.06		
15	QPSK	36	20	18.01	17.97	17.97	17.99	19	1
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.99		
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00	19	1
15	16QAM	1	74	17.86	17.94	17.81	17.98		
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	64QAM	1	0	16.94	16.94	17.00	17.09		
15	64QAM	1	37	16.91	16.94	16.83	16.95		
15	64QAM	1	74	16.91	17.00	16.81	17.11	18	2
15	64QAM	36	0	15.95	16.14	15.99	16.05		
15	64QAM	36	20	16.01	15.94	15.95	15.91		
15	64QAM	36	39	15.89	16.07	15.89	16.00		
15	64QAM	75	0	15.96	16.09	15.90	15.89	17	3
15	256QAM	1	0	14.01	14.02	14.00	14.04		
15	256QAM	1	37	14.02	13.97	13.89	13.94		
15	256QAM	1	74	14.00	13.99	13.93	14.05		
15	256QAM	36	0	14.06	14.03	13.93	13.99	15	5
15	256QAM	36	20	13.99	13.98	13.92	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.01		
15	256QAM	75	0	13.94	14.03	13.90	13.97		
Channel				55290	55815	56165	56660	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.97	19.10	18.98	19.07	20	0
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99		
10	QPSK	25	12	18.01	17.98	17.99	17.88	19	1
10	QPSK	25	25	17.95	18.03	17.76	17.94		
10	QPSK	50	0	17.99	18.13	17.90	17.94		
10	16QAM	1	0	17.92	18.04	17.83	17.95		
10	16QAM	1	25	17.94	18.00	17.98	18.00	19	1
10	16QAM	1	49	17.88	18.00	17.88	17.99		
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.98	17.02	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.98	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	64QAM	1	0	16.94	17.04	16.92	17.07		
10	64QAM	1	25	17.02	16.93	16.92	16.92		
10	64QAM	1	49	16.93	17.06	16.82	17.13	17	3
10	64QAM	25	0	15.97	16.04	15.95	16.05		
10	64QAM	25	12	16.05	15.99	15.97	15.94		
10	64QAM	25	25	15.84	16.13	15.79	15.99		
10	64QAM	50	0	15.96	16.15	15.83	15.96	15	5
10	256QAM	1	0	14.04	14.03	13.95	14.07		
10	256QAM	1	25	14.02	13.98	13.93	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	13.97		
10	256QAM	50	0	13.99	14.02	13.83	14.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.93	19.11	18.96	19.07	20	0
5	QPSK	1	12	18.98	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.89	19.03		
5	QPSK	12	0	18.07	18.12	17.93	18.04		
5	QPSK	12	7	17.95	17.98	17.91	17.88	19	1
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95		
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02	19	1
5	16QAM	1	24	17.87	18.02	17.81	18.00		
5	16QAM	12	0	16.96	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	64QAM	1	0	16.95	17.04	16.92	17.11		
5	64QAM	1	12	17.01	16.96	16.84	16.86		
5	64QAM	1	24	16.98	17.03	16.92	17.04	18	2
5	64QAM	12	0	15.98	16.03	15.94	15.98		
5	64QAM	12	7	16.00	15.94	15.97	15.84		
5	64QAM	12	13	15.87	16.08	15.81	15.99		
5	256QAM	25	0	16.00	16.16	15.85	15.97	17	3
5	256QAM	1	0	13.93	13.94	13.96	14.15		
5	256QAM	1	12	14.05	13.98	13.95	13.94		
5	256QAM	1	24	13.99	13.94	13.85	14.03		
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.86	13.99		
5	256QAM	25	0	14.03	14.09	13.83	14.02		

Band 38 Ant 3 DSI 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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.43	23.52	23.48	24.5	0	
20	QPSK	1	49	23.38	23.45	23.38			
20	QPSK	1	99	23.40	23.40	23.37			
20	QPSK	50	0	22.37	22.57	22.43	23.5	1	
20	QPSK	50	24	22.34	22.49	22.37			
20	QPSK	50	50	22.41	22.42	22.33			
20	QPSK	100	0	22.45	22.52	22.50	23.5	1	
20	16QAM	1	0	22.44	22.54	22.47			
20	16QAM	1	49	22.38	22.51	22.36			
20	16QAM	1	99	22.39	22.39	22.34	22.5	2	
20	16QAM	50	0	21.36	21.56	21.37			
20	16QAM	50	24	21.36	21.54	21.35			
20	16QAM	50	50	21.42	21.43	21.29	22.5	2	
20	16QAM	100	0	21.40	21.53	21.47			
20	64QAM	1	0	21.50	21.56	21.43			
20	64QAM	1	49	21.43	21.52	21.36	22.5	2	
20	64QAM	1	99	21.33	21.41	21.31			
20	64QAM	50	0	20.39	20.58	20.44			
20	64QAM	50	24	20.35	20.54	20.32	21.5	3	
20	64QAM	50	50	20.41	20.47	20.31			
20	64QAM	100	0	20.48	20.58	20.45			
20	256QAM	1	0	18.32	18.52	18.37	19.5	5	
20	256QAM	1	49	18.40	18.48	18.40			
20	256QAM	1	99	18.44	18.37	18.35			
20	256QAM	50	0	18.46	18.48	18.46	19.5	5	
20	256QAM	50	24	18.45	18.58	18.42			
20	256QAM	50	50	18.43	18.54	18.34			
20	256QAM	100	0	18.38	18.42	18.29	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.29	23.45	23.45	24.5	0	
15	QPSK	1	37	23.31	23.38	23.27			
15	QPSK	1	74	23.36	23.27	23.34			
15	QPSK	36	0	22.25	22.47	22.32	23.5	1	
15	QPSK	36	20	22.31	22.41	22.29			
15	QPSK	36	39	22.27	22.36	22.22			
15	QPSK	75	0	22.42	22.47	22.40	23.5	1	
15	16QAM	1	0	22.33	22.40	22.39			
15	16QAM	1	37	22.31	22.38	22.25			
15	16QAM	1	74	22.27	22.31	22.25	22.5	2	
15	16QAM	36	0	21.27	21.45	21.27			
15	16QAM	36	20	21.28	21.45	21.28			
15	16QAM	36	39	21.29	21.37	21.24	22.5	2	
15	16QAM	75	0	21.32	21.43	21.45			
15	64QAM	1	0	21.41	21.49	21.30			
15	64QAM	1	37	21.35	21.39	21.32	22.5	2	
15	64QAM	1	74	21.25	21.29	21.26			
15	64QAM	36	0	20.32	20.51	20.32			
15	64QAM	36	20	20.32	20.48	20.23	21.5	3	
15	64QAM	36	39	20.37	20.36	20.20			
15	64QAM	75	0	20.40	20.51	20.37			
15	256QAM	1	0	18.20	18.41	18.33	19.5	5	
15	256QAM	1	37	18.30	18.38	18.34			
15	256QAM	1	74	18.32	18.28	18.30			
15	256QAM	36	0	18.39	18.41	18.43	19.5	5	
15	256QAM	36	20	18.35	18.50	18.32			
15	256QAM	36	39	18.39	18.44	18.23			
15	256QAM	75	0	18.27	18.35	18.25	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.34	23.39	23.43	24.5	0	
10	QPSK	1	25	23.27	23.39	23.32			
10	QPSK	1	49	23.38	23.33	23.25			
10	QPSK	25	0	22.24	22.46	22.36	23.5	1	
10	QPSK	25	12	22.24	22.37	22.31			
10	QPSK	25	25	22.37	22.37	22.20			
10	QPSK	50	0	22.39	22.46	22.43	23.5	1	
10	16QAM	1	0	22.33	22.48	22.35			
10	16QAM	1	25	22.27	22.45	22.22			
10	16QAM	1	49	22.35	22.31	22.27	22.5	2	
10	16QAM	25	0	21.32	21.53	21.31			
10	16QAM	25	12	21.32	21.50	21.27			
10	16QAM	25	25	21.28	21.40	21.17	22.5	2	
10	16QAM	50	0	21.30	21.42	21.40			
10	64QAM	1	0	21.43	21.53	21.34			
10	64QAM	1	25	21.34	21.44	21.27	22.5	2	
10	64QAM	1	49	21.19	21.35	21.29			
10	64QAM	25	0	20.34	20.52	20.41			
10	64QAM	25	12	20.27	20.50	20.19	21.5	3	
10	64QAM	25	25	20.38	20.36	20.25			
10	64QAM	50	0	20.43	20.52	20.32			
10	256QAM	1	0	18.28	18.50	18.33	19.5	5	
10	256QAM	1	25	18.27	18.39	18.36			
10	256QAM	1	49	18.39	18.27	18.33			
10	256QAM	25	0	18.39	18.35	18.39	19.5	5	
10	256QAM	25	12	18.34	18.50	18.31			
10	256QAM	25	25	18.34	18.47	18.23			
10	256QAM	50	0	18.34	18.32	18.26	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.38	23.39	23.37	24.5	0	
5	QPSK	1	12	23.28	23.36	23.29			
5	QPSK	1	24	23.30	23.26	23.27			
5	QPSK	12	0	22.23	22.51	22.34	23.5	1	
5	QPSK	12	7	22.29	22.36	22.35			
5	QPSK	12	13	22.31	22.30	22.27			
5	QPSK	25	0	22.43	22.48	22.46	23.5	1	
5	16QAM	1	0	22.41	22.46	22.30			
5	16QAM	1	12	22.29	22.41	22.31			
5	16QAM	1	24	22.26	22.28	22.22	22.5	2	
5	16QAM	12	0	21.25	21.43	21.29			
5	16QAM	12	7	21.28	21.41	21.24			
5	16QAM	12	13	21.34	21.32	21.22	22.5	2	
5	16QAM	25	0	21.31	21.43	21.34			
5	64QAM	1	0	21.42	21.47	21.32			
5	64QAM	1	12	21.36	21.42	21.27	22.5	2	
5	64QAM	1	24	21.21	21.33	21.22			
5	64QAM	12	0	20.35	20.54	20.37			
5	64QAM	12	7	20.31	20.50	20.25	21.5	3	
5	64QAM	12	13	20.33	20.44	20.22			
5	64QAM	25	0	20.43	20.47	20.37			
5	256QAM	1	0	18.23	18.38	18.26	19.5	5	
5	256QAM	1	12	18.33	18.34	18.33			
5	256QAM	1	24	18.30	18.25	18.24			
5	256QAM	12	0	18.44	18.38	18.33	19.5	5	
5	256QAM	12	7	18.38	18.55	18.30			
5	256QAM	12	13	18.39	18.42	18.21			
5	256QAM	25	0	18.24	18.31	18.18			

Band 41 Ant 3 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.52	23.48	23.59	23.56	23.50	24.5	0
20	QPSK	1	49	23.47	23.39	23.46	23.39	23.44		
20	QPSK	1	99	23.40	23.38	23.44	23.36	23.34		
20	QPSK	50	0	22.66	22.41	22.66	22.42	22.57	23.5	1
20	QPSK	50	24	22.50	22.41	22.52	22.41	22.49		
20	QPSK	50	50	22.45	22.40	22.48	22.38	22.38		
20	QPSK	100	0	22.40	22.54	22.50	22.53	22.50	23.5	1
20	16QAM	1	0	22.61	22.47	22.62	22.44	22.55		
20	16QAM	1	49	22.44	22.46	22.48	22.43	22.39		
20	16QAM	1	99	22.38	22.37	22.47	22.42	22.41	22.5	2
20	16QAM	50	0	21.51	21.41	21.54	21.39	21.50		
20	16QAM	50	24	21.48	21.41	21.54	21.36	21.52		
20	16QAM	50	50	21.36	21.46	21.43	21.28	21.40	22.5	2
20	16QAM	100	0	21.57	21.40	21.58	21.49	21.49		
20	64QAM	1	0	21.56	21.50	21.61	21.48	21.54		
20	64QAM	1	49	21.55	21.49	21.57	21.39	21.49	22.5	2
20	64QAM	1	99	21.46	21.35	21.45	21.35	21.35		
20	64QAM	50	0	20.60	20.40	20.62	20.47	20.63		
20	64QAM	50	24	20.49	20.41	20.55	20.35	20.54	21.5	3
20	64QAM	50	50	20.44	20.45	20.48	20.36	20.45		
20	64QAM	100	0	20.56	20.52	20.66	20.49	20.58		
20	256QAM	1	0	18.56	18.31	18.57	18.38	18.53	19.5	5
20	256QAM	1	49	18.46	18.44	18.51	18.43	18.52		
20	256QAM	1	99	18.34	18.48	18.41	18.43	18.31		
20	256QAM	50	0	18.39	18.48	18.46	18.47	18.43	19.5	5
20	256QAM	50	24	18.63	18.49	18.66	18.50	18.58		
20	256QAM	50	50	18.50	18.42	18.52	18.35	18.49		
20	256QAM	100	0	18.42	18.47	18.41	18.30	18.41		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.48	23.39	23.56	23.49	23.41	24.50	0
15	QPSK	1	37	23.38	23.34	23.39	23.30	23.45		
15	QPSK	1	74	23.39	23.32	23.40	23.37	23.30		
15	QPSK	36	0	22.66	22.39	22.66	22.36	22.49	23.5	1
15	QPSK	36	20	22.43	22.31	22.44	22.32	22.49		
15	QPSK	36	39	22.44	22.34	22.44	22.38	22.35		
15	QPSK	75	0	22.39	22.51	22.46	22.43	22.44	23.5	1
15	16QAM	1	0	22.55	22.37	22.51	22.35	22.54		
15	16QAM	1	37	22.44	22.36	22.45	22.33	22.33		
15	16QAM	1	74	22.30	22.27	22.44	22.37	22.37	22.5	2
15	16QAM	36	0	21.47	21.41	21.49	21.32	21.49		
15	16QAM	36	20	21.43	21.34	21.43	21.29	21.50		
15	16QAM	36	39	21.33	21.36	21.35	21.18	21.34	22.5	2
15	16QAM	75	0	21.48	21.32	21.53	21.45	21.50		
15	64QAM	1	0	21.49	21.40	21.57	21.48	21.54		
15	64QAM	1	37	21.51	21.45	21.51	21.32	21.45	22.5	2
15	64QAM	1	74	21.43	21.28	21.44	21.28	21.34		
15	64QAM	36	0	20.56	20.38	20.55	20.38	20.59		
15	64QAM	36	20	20.42	20.40	20.55	20.32	20.44	21.5	3
15	64QAM	36	39	20.40	20.41	20.45	20.36	20.36		
15	64QAM	75	0	20.46	20.45	20.60	20.36	20.48		
15	256QAM	1	0	18.53	18.25	18.57	18.33	18.46	19.5	5
15	256QAM	1	37	18.38	18.36	18.51	18.34	18.31		
15	256QAM	1	74	18.29	18.40	18.38	18.32	18.45		
15	256QAM	36	0	18.34	18.39	18.44	18.37	18.37	19.5	5
15	256QAM	36	20	18.54	18.48	18.63	18.49	18.49		
15	256QAM	36	39	18.50	18.36	18.42	18.25	18.41		
15	256QAM	75	0	18.32	18.41	18.36	18.22	18.35		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.49	23.46	23.49	23.48	23.50	24.50	0
10	QPSK	1	25	23.40	23.32	23.41	23.40	23.35		
10	QPSK	1	49	23.34	23.29	23.37	23.27	23.31		
10	QPSK	25	0	22.58	22.36	22.66	22.35	22.46	23.5	1
10	QPSK	25	12	22.39	22.36	22.47	22.35	22.41		
10	QPSK	25	25	22.34	22.41	22.44	22.28	22.38		
10	QPSK	50	0	22.36	22.51	22.42	22.50	22.43	23.5	1
10	16QAM	1	0	22.62	22.42	22.59	22.42	22.51		
10	16QAM	1	25	22.45	22.35	22.41	22.41	22.33		
10	16QAM	1	49	22.30	22.36	22.45	22.37	22.34	22.5	2
10	16QAM	25	0	21.46	21.39	21.52	21.37	21.48		
10	16QAM	25	12	21.43	21.36	21.46	21.26	21.51		
10	16QAM	25	25	21.36	21.45	21.41	21.22	21.37	22.5	2
10	16QAM	50	0	21.50	21.34	21.55	21.38	21.41		
10	64QAM	1	0	21.53	21.50	21.58	21.41	21.55		
10	64QAM	1	25	21.47	21.43	21.57	21.35	21.38	22.5	2
10	64QAM	1	49	21.44	21.35	21.42	21.26	21.26		
10	64QAM	25	0	20.59	20.33	20.57	20.43	20.52		
10	64QAM	25	12	20.47	20.40	20.49	20.30	20.55	21.5	3
10	64QAM	25	25	20.37	20.43	20.41	20.35	20.38		
10	64QAM	50	0	20.54	20.41	20.61	20.43	20.56		
10	256QAM	1	0	18.46	18.26	18.47	18.33	18.49	19.5	5
10	256QAM	1	25	18.39	18.36	18.46	18.41	18.53		
10	256QAM	1	49	18.26	18.45	18.37	18.44	18.31		
10	256QAM	25	0	18.33	18.39	18.40	18.46	18.34	19.5	5
10	256QAM	25	12	18.55	18.41	18.57	18.46	18.50		
10	256QAM	25	25	18.46	18.32	18.53	18.29	18.42		
10	256QAM	50	0	18.34	18.45	18.32	18.26	18.30		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.42	23.37	23.55	23.50	23.48	24.50	0
5	QPSK	1	12	23.47	23.38	23.43	23.28	23.34		
5	QPSK	1	24	23.36	23.36	23.43	23.25	23.28		
5	QPSK	12	0	22.58	22.41	22.65	22.41	22.52	23.5	1
5	QPSK	12	7	22.40	22.37	22.42	22.36	22.49		
5	QPSK	12	13	22.38	22.38	22.46	22.27	22.27		
5	QPSK	25	0	22.32	22.44	22.48	22.47	22.41	23.5	1
5	16QAM	1	0	22.56	22.38	22.57	22.38	22.47		
5	16QAM	1	12	22.35	22.39	22.46	22.37	22.37		
5	16QAM	1	24	22.38	22.31	22.43	22.31	22.32	22.5	2
5	16QAM	12	0	21.51	21.34	21.48	21.38	21.44		
5	16QAM	12	7	21.42	21.40	21.49	21.35	21.46		
5	16QAM	12	13	21.29	21.39	21.32	21.19	21.40	22.5	2
5	16QAM	25	0	21.51	21.30	21.50	21.42	21.43		
5	64QAM	1	0	21.51	21.40	21.57	21.46	21.45		
5	64QAM	1	12	21.52	21.40	21.54	21.29	21.49	22.5	2
5	64QAM	1	24	21.38	21.35	21.42	21.26	21.25		
5	64QAM	12	0	20.61	20.31	20.58	20.39	20.58		
5	64QAM	12	7	20.45	20.40	20.53	20.35	20.47	21.5	3
5	64QAM	12	13	20.35	20.43	20.40	20.30	20.40		
5	64QAM	25	0	20.48	20.46	20.63	20.42	20.51		
5	256QAM	1	0	18.51	18.29	18.55	18.30	18.50	19.5	5
5	256QAM	1	12	18.40	18.34	18.49	18.44	18.46		
5	256QAM	1	24	18.32	18.37	18.40	18.41	18.27		
5	256QAM	12	0	18.40	18.39	18.38	18.38	18.43	19.5	5
5	256QAM	12	7	18.56	18.45	18.64	18.50	18.52		
5	256QAM	12	13	18.49	18.42	18.49	18.31	18.41		
5	256QAM	25	0	18.31	18.42	18.33	18.23	18.37		

Band 42 Part 27Q Ant 3 DSI 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	21.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.46	20.47	20.22			
20	QPSK	1	49	20.42	20.41	20.19			
20	QPSK	1	99	20.42	20.46	20.19	20.5	1	
20	QPSK	50	0	19.47	19.47	19.21			
20	QPSK	50	24	19.44	19.42	19.23			
20	QPSK	50	50	19.46	19.42	19.20			
20	QPSK	100	0	19.37	19.41	19.16	20.5	1	
20	16QAM	1	0	19.41	19.41	19.19			
20	16QAM	1	49	19.46	19.47	19.19			
20	16QAM	1	99	19.46	19.50	19.23			
20	16QAM	50	0	18.51	18.45	18.26	19.5	2	
20	16QAM	50	24	18.41	18.43	18.25			
20	16QAM	50	50	18.46	18.44	18.24			
20	16QAM	100	0	18.38	18.36	18.19			
20	64QAM	1	0	18.38	18.43	18.08	19.5	2	
20	64QAM	1	49	18.32	18.35	18.13			
20	64QAM	1	99	18.37	18.35	18.08			
20	64QAM	50	0	17.35	17.41	17.16			
20	64QAM	50	24	17.29	17.30	17.12	18.5	3	
20	64QAM	50	50	17.35	17.34	17.16			
20	64QAM	100	0	17.22	17.36	17.03			
20	256QAM	1	0	15.40	15.43	15.27			
20	256QAM	1	49	15.37	15.42	15.24	16.5	5	
20	256QAM	1	99	15.39	15.42	15.23			
20	256QAM	50	0	15.37	15.39	15.05			
20	256QAM	50	24	15.37	15.33	15.16			
20	256QAM	50	50	15.40	15.30	15.16	16.5	5	
20	256QAM	100	0	15.27	15.32	15.08			
Channel				42165	42590	43015	21.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.46	20.46	20.18			
15	QPSK	1	37	20.39	20.39	20.11			
15	QPSK	1	74	20.32	20.39	20.14	20.5	1	
15	QPSK	36	0	19.46	19.45	19.20			
15	QPSK	36	20	19.39	19.32	19.12			
15	QPSK	36	39	19.41	19.34	19.09			
15	QPSK	75	0	19.28	19.40	19.06	20.5	1	
15	16QAM	1	0	19.41	19.40	19.14			
15	16QAM	1	37	19.42	19.39	19.17			
15	16QAM	1	74	19.36	19.47	19.19			
15	16QAM	36	0	18.41	18.41	18.25	19.5	2	
15	16QAM	36	20	18.29	18.39	18.19			
15	16QAM	36	39	18.37	18.34	18.21			
15	16QAM	75	0	18.27	18.32	18.14			
15	64QAM	1	0	18.28	18.36	18.01	19.5	2	
15	64QAM	1	37	18.30	18.30	18.02			
15	64QAM	1	74	18.36	18.28	18.07			
15	64QAM	36	0	17.26	17.32	17.08			
15	64QAM	36	20	17.25	17.27	17.04	18.5	3	
15	64QAM	36	39	17.27	17.31	17.05			
15	64QAM	75	0	17.13	17.26	17.00			
15	256QAM	1	0	15.31	15.37	15.24			
15	256QAM	1	37	15.27	15.37	15.18	16.5	5	
15	256QAM	1	74	15.32	15.34	15.12			
15	256QAM	36	0	15.33	15.37	14.98			
15	256QAM	36	20	15.33	15.22	15.07			
15	256QAM	36	39	15.40	15.27	15.07	16.5	5	
15	256QAM	75	0	15.24	15.23	15.00			
Channel				42140	42590	43040	21.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.38	20.42	20.16			
10	QPSK	1	25	20.31	20.31	20.15			
10	QPSK	1	49	20.33	20.43	20.12	20.5	1	
10	QPSK	25	0	19.41	19.38	19.18			
10	QPSK	25	12	19.41	19.37	19.21			
10	QPSK	25	25	19.36	19.41	19.11			
10	QPSK	50	0	19.27	19.39	19.06	20.5	1	
10	16QAM	1	0	19.40	19.33	19.17			
10	16QAM	1	25	19.39	19.36	19.14			
10	16QAM	1	49	19.35	19.48	19.16			
10	16QAM	25	0	18.41	18.39	18.17	19.5	2	
10	16QAM	25	12	18.40	18.40	18.18			
10	16QAM	25	25	18.44	18.38	18.15			
10	16QAM	50	0	18.29	18.36	18.12			
10	64QAM	1	0	18.28	18.35	18.00	19.5	2	
10	64QAM	1	25	18.29	18.29	18.02			
10	64QAM	1	49	18.29	18.28	18.02			
10	64QAM	25	0	17.35	17.37	17.07			
10	64QAM	25	12	17.17	17.25	17.04	18.5	3	
10	64QAM	25	25	17.27	17.30	17.14			
10	64QAM	50	0	17.13	17.24	16.96			
10	256QAM	1	0	15.37	15.40	15.15			
10	256QAM	1	25	15.27	15.32	15.18	16.5	5	
10	256QAM	1	49	15.32	15.34	15.19			
10	256QAM	25	0	15.33	15.29	14.99			
10	256QAM	25	12	15.36	15.21	15.13			
10	256QAM	25	25	15.32	15.24	15.09	16.5	5	
10	256QAM	50	0	15.25	15.26	15.00			
Channel				42115	42590	43065	21.5	0	
Frequency (MHz)				3452	3500	3547.5			
5	QPSK	1	0	20.42	20.43	20.22			
5	QPSK	1	12	20.38	20.33	20.11			
5	QPSK	1	24	20.39	20.34	20.09	20.5	1	
5	QPSK	12	0	19.43	19.37	19.17			
5	QPSK	12	7	19.41	19.38	19.13			
5	QPSK	12	13	19.40	19.35	19.10			
5	QPSK	25	0	19.29	19.32	19.09	20.5	1	
5	16QAM	1	0	19.37	19.34	19.08			
5	16QAM	1	12	19.42	19.44	19.19			
5	16QAM	1	24	19.42	19.40	19.13			
5	16QAM	12	0	18.47	18.40	18.23	19.5	2	
5	16QAM	12	7	18.30	18.42	18.22			
5	16QAM	12	13	18.37	18.43	18.12			
5	16QAM	25	0	18.31	18.30	18.08			
5	64QAM	1	0	18.36	18.41	18.02	19.5	2	
5	64QAM	1	12	18.23	18.27	18.06			
5	64QAM	1	24	18.30	18.25	18.04			
5	64QAM	12	0	17.26	17.41	17.10			
5	64QAM	12	7	17.23	17.19	17.01	18.5	3	
5	64QAM	12	13	17.33	17.24	17.09			
5	64QAM	25	0	17.16	17.24	16.95			
5	256QAM	1	0	15.32	15.33	15.16			
5	256QAM	1	12	15.26	15.38	15.22	16.5	5	
5	256QAM	1	24	15.37	15.34	15.17			
5	256QAM	12	0	15.37	15.27	15.02			
5	256QAM	12	7	15.25	15.29	15.16			
5	256QAM	12	13	15.33	15.29	15.12	16.5	5	
5	256QAM	25	0	15.22	15.24	15.06			

Band 48 Ant 3 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	21.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	20.44	20.46	20.39	20.38	20.5	1
20	QPSK	1	49	20.33	20.45	20.29	20.36		
20	QPSK	1	99	20.36	20.45	20.32	20.32		
20	QPSK	50	0	19.40	19.47	19.41	19.38		
20	QPSK	50	24	19.48	19.48	19.33	19.34	20.5	1
20	QPSK	50	50	19.37	19.42	19.36	19.34		
20	QPSK	100	0	19.32	19.47	19.37	19.32		
20	16QAM	1	0	19.41	19.48	19.37	19.35		
20	16QAM	1	49	19.35	19.43	19.30	19.30	20.5	1
20	16QAM	1	99	19.37	19.51	19.28	19.36		
20	16QAM	50	0	18.42	18.50	18.40	18.33		
20	16QAM	50	24	18.50	18.47	18.32	18.31		
20	16QAM	50	50	18.35	18.40	18.38	18.34	19.5	2
20	16QAM	100	0	18.37	18.49	18.32	18.34		
20	64QAM	1	0	18.50	18.40	18.38	18.32		
20	64QAM	1	49	18.38	18.49	18.25	18.30		
20	64QAM	1	99	18.32	18.42	18.34	18.37	19.5	2
20	64QAM	50	0	17.37	17.49	17.41	17.33		
20	64QAM	50	24	17.44	17.48	17.39	17.33		
20	64QAM	50	50	17.35	17.40	17.35	17.29		
20	64QAM	100	0	17.32	17.41	17.31	17.34	18.5	3
20	256QAM	1	0	15.40	15.44	15.34	15.35		
20	256QAM	1	49	15.31	15.46	15.32	15.32		
20	256QAM	1	99	15.41	15.51	15.29	15.31		
20	256QAM	50	0	15.40	15.43	15.37	15.40	16.5	5
20	256QAM	50	24	15.51	15.50	15.39	15.38		
20	256QAM	50	50	15.37	15.41	15.41	15.36		
20	256QAM	100	0	15.30	15.46	15.34	15.32		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	20.41	20.43	20.37	20.35	21.5	0
15	QPSK	1	37	20.23	20.34	20.28	20.35		
15	QPSK	1	74	20.32	20.33	20.28	20.31		
15	QPSK	36	0	19.39	19.41	19.35	19.29		
15	QPSK	36	20	19.40	19.47	19.25	19.33	20.5	1
15	QPSK	36	39	19.29	19.38	19.32	19.33		
15	QPSK	75	0	19.21	19.38	19.34	19.31		
15	16QAM	1	0	19.37	19.48	19.32	19.35		
15	16QAM	1	37	19.26	19.38	19.23	19.24	20.5	1
15	16QAM	1	74	19.35	19.39	19.25	19.27		
15	16QAM	36	0	18.40	18.41	18.36	18.25		
15	16QAM	36	20	18.45	18.44	18.28	18.20		
15	16QAM	36	39	18.34	18.30	18.34	18.33	19.5	2
15	16QAM	75	0	18.29	18.39	18.21	18.24		
15	64QAM	1	0	18.42	18.34	18.28	18.24		
15	64QAM	1	37	18.32	18.37	18.23	18.28		
15	64QAM	1	74	18.29	18.37	18.30	18.34	19.5	2
15	64QAM	36	0	17.36	17.49	17.31	17.33		
15	64QAM	36	20	17.36	17.46	17.35	17.25		
15	64QAM	36	39	17.27	17.37	17.28	17.19		
15	64QAM	75	0	17.30	17.38	17.22	17.33	18.5	3
15	256QAM	1	0	15.32	15.36	15.30	15.30		
15	256QAM	1	37	15.30	15.45	15.24	15.24		
15	256QAM	1	74	15.31	15.47	15.20	15.29		
15	256QAM	36	0	15.37	15.39	15.36	15.33	16.5	5
15	256QAM	36	20	15.47	15.42	15.36	15.30		
15	256QAM	36	39	15.25	15.33	15.31	15.33		
15	256QAM	75	0	15.25	15.41	15.26	15.26		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.43	20.45	20.34	20.31	21.5	0
10	QPSK	1	25	20.28	20.39	20.24	20.33		
10	QPSK	1	49	20.29	20.37	20.22	20.31		
10	QPSK	25	0	19.35	19.42	19.35	19.30		
10	QPSK	25	12	19.48	19.41	19.25	19.34	20.5	1
10	QPSK	25	25	19.25	19.38	19.24	19.31		
10	QPSK	50	0	19.25	19.39	19.35	19.26		
10	16QAM	1	0	19.41	19.40	19.35	19.27		
10	16QAM	1	25	19.30	19.35	19.23	19.19	20.5	1
10	16QAM	1	49	19.30	19.44	19.22	19.36		
10	16QAM	25	0	18.34	18.41	18.31	18.26		
10	16QAM	25	12	18.50	18.36	18.29	18.24		
10	16QAM	25	25	18.35	18.37	18.31	18.29	19.5	2
10	16QAM	50	0	18.35	18.46	18.28	18.29		
10	64QAM	1	0	18.50	18.29	18.26	18.24		
10	64QAM	1	25	18.29	18.37	18.13	18.27		
10	64QAM	1	49	18.24	18.37	18.28	18.27	19.5	2
10	64QAM	25	0	17.31	17.43	17.31	17.25		
10	64QAM	25	12	17.33	17.44	17.35	17.25		
10	64QAM	25	25	17.35	17.38	17.30	17.24		
10	64QAM	50	0	17.28	17.31	17.29	17.32	16.5	5
10	256QAM	1	0	15.37	15.42	15.33	15.27		
10	256QAM	1	25	15.20	15.39	15.28	15.31		
10	256QAM	1	49	15.31	15.48	15.23	15.28		
10	256QAM	25	0	15.28	15.35	15.27	15.30	16.5	5
10	256QAM	25	12	15.49	15.39	15.33	15.27		
10	256QAM	25	25	15.28	15.33	15.38	15.28		
10	256QAM	50	0	15.25	15.43	15.28	15.23		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3532.5	3607	3643	3697.5		
5	QPSK	1	0	20.42	20.43	20.38	20.32	21.5	0
5	QPSK	1	12	20.28	20.35	20.24	20.26		
5	QPSK	1	24	20.33	20.40	20.30	20.30		
5	QPSK	12	0	19.38	19.44	19.36	19.38		
5	QPSK	12	7	19.39	19.45	19.25	19.26	20.5	1
5	QPSK	12	13	19.33	19.34	19.25	19.29		
5	QPSK	25	0	19.23	19.39	19.26	19.23		
5	16QAM	1	0	19.32	19.41	19.31	19.24		
5	16QAM	1	12	19.32	19.35	19.27	19.24	20.5	1
5	16QAM	1	24	19.25	19.42	19.22	19.31		
5	16QAM	12	0	18.38	18.48	18.37	18.25		
5	16QAM	12	7	18.41	18.39	18.26	18.25		
5	16QAM	12	13	18.28	18.37	18.37	18.33	19.5	2
5	16QAM	25	0	18.26	18.42	18.24	18.29		
5	64QAM	1	0	18.41	18.30	18.36	18.23		
5	64QAM	1	12	18.37	18.44	18.22	18.24		
5	64QAM	1	24	18.25	18.38	18.31	18.29	19.5	2
5	64QAM	12	0	17.32	17.42	17.33	17.22		
5	64QAM	12	7	17.39	17.38	17.32	17.21		
5	64QAM	12	13	17.32	17.29	17.31	17.24		
5	64QAM	25	0	17.31	17.40	17.24	17.24	16.5	5
5	256QAM	1	0	15.30	15.42	15.26	15.24		
5	256QAM	1	12	15.29	15.41	15.24	15.28		
5	256QAM	1	24	15.30	15.50	15.24	15.21		
5	256QAM	12	0	15.30	15.34	15.34	15.33	16.5	5
5	256QAM	12	7	15.46	15.41	15.39	15.33		
5	256QAM	12	13	15.33	15.31	15.30	15.35		
5	256QAM	25	0	15.28	15.38	15.32	15.24		

Band 38 Ant 4 DSI 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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	23.11	23.16	23.12	24.5	0			
20	QPSK	1	49	23.09	23.15	23.05					
20	QPSK	1	99	23.03	23.14	23.05					
20	QPSK	50	0	22.10	22.20	22.15	23.5	1			
20	QPSK	50	24	22.05	22.18	22.13					
20	QPSK	50	50	22.11	22.15	22.07					
20	QPSK	100	0	22.14	22.18	22.14	23.5	1			
20	16QAM	1	0	22.10	22.16	22.15					
20	16QAM	1	49	22.09	22.11	22.04					
20	16QAM	1	99	22.05	22.13	22.06	22.5	2			
20	16QAM	50	0	21.08	21.15	21.05					
20	16QAM	50	24	21.07	21.17	21.15					
20	16QAM	50	50	21.17	21.17	21.07	22.5	2			
20	16QAM	100	0	21.01	21.14	20.99					
20	64QAM	1	0	21.09	21.17	21.09					
20	64QAM	1	49	21.05	21.14	21.03	21.5	3			
20	64QAM	1	99	21.08	21.11	21.07					
20	64QAM	50	0	20.12	20.17	20.08					
20	64QAM	50	24	20.08	20.24	20.11	19.5	5			
20	64QAM	50	50	20.16	20.16	20.11					
20	64QAM	100	0	19.97	20.14	20.05					
20	256QAM	1	0	18.05	18.20	18.06	19.5	5			
20	256QAM	1	49	18.10	18.18	18.04					
20	256QAM	1	99	18.04	18.11	18.00					
20	256QAM	50	0	18.08	18.19	18.04	19.5	5			
20	256QAM	50	24	18.05	18.14	18.12					
20	256QAM	50	50	18.06	18.17	18.04					
20	256QAM	100	0	18.02	18.18	18.08	Tune-up limit (dBm)		MPR (dB)		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	23.09	23.14	23.02	24.5	0			
15	QPSK	1	37	23.08	23.08	23.02					
15	QPSK	1	74	22.92	23.10	23.03					
15	QPSK	36	0	22.02	22.09	22.07	23.5	1			
15	QPSK	36	20	21.98	22.07	22.12					
15	QPSK	36	39	22.10	22.15	22.02					
15	QPSK	75	0	22.11	22.12	22.05	23.5	1			
15	16QAM	1	0	21.99	22.06	22.10					
15	16QAM	1	37	22.09	22.07	21.98					
15	16QAM	1	74	21.96	22.10	21.98	22.5	2			
15	16QAM	36	0	21.05	21.10	20.99					
15	16QAM	36	20	21.05	21.12	21.06					
15	16QAM	36	39	21.12	21.11	21.02	22.5	2			
15	16QAM	75	0	20.97	21.03	20.91					
15	64QAM	1	0	21.02	21.10	21.03					
15	64QAM	1	37	20.95	21.08	21.02	21.5	3			
15	64QAM	1	74	21.02	21.09	20.99					
15	64QAM	36	0	20.07	20.13	19.99					
15	64QAM	36	20	20.06	20.12	20.07	19.5	5			
15	64QAM	36	39	20.16	20.06	20.05					
15	64QAM	75	0	19.85	20.11	20.02					
15	256QAM	1	0	17.96	18.12	18.04	Tune-up limit (dBm)		MPR (dB)		
15	256QAM	1	37	18.01	18.11	17.99	19.5	5			
15	256QAM	1	74	18.04	18.03	17.93					
15	256QAM	36	0	18.06	18.19	17.95					
15	256QAM	36	20	18.04	18.09	18.12	19.5	5			
15	256QAM	36	39	18.05	18.15	18.03					
15	256QAM	75	0	17.99	18.13	17.99			Tune-up limit (dBm)		MPR (dB)
Channel				37800	38000	38200	Tune-up limit (dBm)		MPR (dB)		
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	23.10	23.14	23.09	24.5	0			
10	QPSK	1	25	23.00	23.09	22.95					
10	QPSK	1	49	22.93	23.12	22.99					
10	QPSK	25	0	22.09	22.16	22.10	23.5	1			
10	QPSK	25	12	21.96	22.07	22.04					
10	QPSK	25	25	22.05	22.13	22.05					
10	QPSK	50	0	22.13	22.13	22.12	23.5	1			
10	16QAM	1	0	22.04	22.14	22.13					
10	16QAM	1	25	22.07	22.05	22.01					
10	16QAM	1	49	21.96	22.04	22.01	22.5	2			
10	16QAM	25	0	21.00	21.14	20.99					
10	16QAM	25	12	21.00	21.11	21.14					
10	16QAM	25	25	21.05	21.15	21.01	21.5	3			
10	16QAM	50	0	20.98	21.11	20.92					
10	64QAM	1	0	21.02	21.16	21.09					
10	64QAM	1	25	20.96	21.12	20.97	22.5	2			
10	64QAM	1	49	21.05	21.01	20.99					
10	64QAM	25	0	20.10	20.06	20.05					
10	64QAM	25	12	20.02	20.16	20.06	21.5	3			
10	64QAM	25	25	20.05	20.13	20.10					
10	64QAM	50	0	19.91	20.04	19.94					
10	256QAM	1	0	17.99	18.09	18.01	19.5	5			
10	256QAM	1	25	18.03	18.11	18.01					
10	256QAM	1	49	18.03	18.05	17.94					
10	256QAM	25	0	17.96	18.10	18.02	19.5	5			
10	256QAM	25	12	18.03	18.05	18.08					
10	256QAM	25	25	17.97	18.06	17.95					
10	256QAM	50	0	17.99	18.15	17.99	Tune-up limit (dBm)		MPR (dB)		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	23.04	23.14	23.03	24.5	0			
5	QPSK	1	12	23.07	23.08	23.03					
5	QPSK	1	24	23.01	23.06	22.94					
5	QPSK	12	0	22.05	22.14	22.12	23.5	1			
5	QPSK	12	7	21.99	22.12	22.13					
5	QPSK	12	13	22.06	22.05	22.02					
5	QPSK	25	0	22.02	22.15	22.11	23.5	1			
5	16QAM	1	0	22.02	22.11	22.12					
5	16QAM	1	12	22.09	22.01	22.00					
5	16QAM	1	24	21.97	22.06	22.03	22.5	2			
5	16QAM	12	0	20.99	21.06	20.94					
5	16QAM	12	7	20.99	21.12	21.07					
5	16QAM	12	13	21.08	21.10	21.05	22.5	2			
5	16QAM	25	0	20.91	21.09	20.88					
5	64QAM	1	0	21.04	21.16	20.98					
5	64QAM	1	12	21.03	21.09	20.96	22.5	2			
5	64QAM	1	24	21.03	21.08	21.04					
5	64QAM	12	0	20.09	20.07	20.06					
5	64QAM	12	7	19.96	20.18	20.01	21.5	3			
5	64QAM	12	13	20.13	20.09	20.05					
5	64QAM	25	0	19.89	20.08	20.00					
5	256QAM	1	0	18.05	18.11	18.06	19.5	5			
5	256QAM	1	12	18.05	18.11	18.03					
5	256QAM	1	24	17.99	18.07	17.92					
5	256QAM	12	0	18.07	18.10	17.92	19.5	5			
5	256QAM	12	7	18.00	18.03	18.10					
5	256QAM	12	13	17.94	18.10	17.94					
5	256QAM	25	0	17.93	18.12	18.03	Tune-up limit (dBm)		MPR (dB)		

Band 41 Ant 4 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		

Band 42 Part 27Q Ant 5 DSI 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	25.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.56	24.59	24.54	24.5	1	
20	QPSK	1	49	24.54	24.57	24.51			
20	QPSK	1	99	24.52	24.56	24.49			
20	QPSK	50	0	23.53	23.57	23.52			
20	QPSK	50	24	23.57	23.56	23.57	24.5	1	
20	QPSK	50	50	23.54	23.55	23.45			
20	QPSK	100	0	23.52	23.55	23.54			
20	16QAM	1	0	23.53	23.57	23.52			
20	16QAM	1	49	23.59	23.58	23.46	24.5	1	
20	16QAM	1	99	23.52	23.60	23.46			
20	16QAM	50	0	22.48	22.56	22.51			
20	16QAM	50	24	22.52	22.50	22.51			
20	16QAM	50	50	22.59	22.52	22.48	23.5	2	
20	16QAM	100	0	22.47	22.56	22.53			
20	64QAM	1	0	22.53	22.56	22.57			
20	64QAM	1	49	22.50	22.56	22.50			
20	64QAM	1	99	22.51	22.60	22.45	23.5	2	
20	64QAM	50	0	21.58	21.61	21.53			
20	64QAM	50	24	21.54	21.58	21.59			
20	64QAM	50	50	21.55	21.61	21.41			
20	64QAM	100	0	21.55	21.52	21.55	22.5	3	
20	256QAM	1	0	19.55	19.56	19.49			
20	256QAM	1	49	19.54	19.56	19.53			
20	256QAM	1	99	19.54	19.61	19.48			
20	256QAM	50	0	19.57	19.59	19.52	20.5	5	
20	256QAM	50	24	19.52	19.54	19.61			
20	256QAM	50	50	19.53	19.56	19.48			
20	256QAM	100	0	19.55	19.57	19.56			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5	25.5 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
15	QPSK	1	0	24.46	24.56	24.47			
15	QPSK	1	37	24.46	24.47	24.39	24.5	1	
15	QPSK	1	74	24.40	24.48	24.48			
15	QPSK	36	0	23.44	23.45	23.51			
15	QPSK	36	20	23.52	23.49	23.54			
15	QPSK	36	39	23.49	23.45	23.41	24.5	1	
15	QPSK	75	0	23.40	23.46	23.46			
15	16QAM	1	0	23.46	23.56	23.40			
15	16QAM	1	37	23.48	23.47	23.36			
15	16QAM	1	74	23.49	23.50	23.36	24.5	1	
15	16QAM	36	0	22.36	22.50	22.47			
15	16QAM	36	20	22.51	22.46	22.49			
15	16QAM	36	39	22.48	22.50	22.42			
15	16QAM	75	0	22.45	22.51	22.46	23.5	2	
15	64QAM	1	0	22.50	22.51	22.46			
15	64QAM	1	37	22.40	22.46	22.47			
15	64QAM	1	74	22.46	22.57	22.43			
15	64QAM	36	0	21.51	21.59	21.52	23.5	2	
15	64QAM	36	20	21.47	21.46	21.57			
15	64QAM	36	39	21.51	21.54	21.33			
15	64QAM	75	0	21.50	21.45	21.48			
15	256QAM	1	0	19.52	19.51	19.41	20.5	5	
15	256QAM	1	37	19.43	19.56	19.51			
15	256QAM	1	74	19.46	19.60	19.42			
15	256QAM	36	0	19.56	19.57	19.40			
15	256QAM	36	20	19.46	19.45	19.57	20.5	5	
15	256QAM	36	39	19.50	19.50	19.40			
15	256QAM	75	0	19.51	19.51	19.45			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	25.5 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
10	QPSK	1	0	24.51	24.58	24.43			
10	QPSK	1	25	24.47	24.50	24.43	24.5	1	
10	QPSK	1	49	24.49	24.55	24.41			
10	QPSK	25	0	23.44	23.56	23.45			
10	QPSK	25	12	23.52	23.45	23.50			
10	QPSK	25	25	23.49	23.50	23.43	24.5	1	
10	QPSK	50	0	23.44	23.53	23.50			
10	16QAM	1	0	23.49	23.45	23.44			
10	16QAM	1	25	23.52	23.47	23.45			
10	16QAM	1	49	23.40	23.60	23.44	24.5	1	
10	16QAM	25	0	22.44	22.55	22.48			
10	16QAM	25	12	22.44	22.39	22.46			
10	16QAM	25	25	22.56	22.49	22.41			
10	16QAM	50	0	22.41	22.54	22.51	23.5	2	
10	64QAM	1	0	22.48	22.54	22.50			
10	64QAM	1	25	22.49	22.49	22.46			
10	64QAM	1	49	22.41	22.56	22.36			
10	64QAM	25	0	21.55	21.57	21.48	23.5	2	
10	64QAM	25	12	21.49	21.54	21.51			
10	64QAM	25	25	21.49	21.50	21.30			
10	64QAM	50	0	21.43	21.47	21.49			
10	256QAM	1	0	19.45	19.52	19.42	20.5	5	
10	256QAM	1	25	19.50	19.53	19.45			
10	256QAM	1	49	19.53	19.51	19.37			
10	256QAM	25	0	19.49	19.52	19.47			
10	256QAM	25	12	19.44	19.44	19.50	20.5	5	
10	256QAM	25	25	19.46	19.48	19.43			
10	256QAM	50	0	19.49	19.55	19.52			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5	25.5 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
5	QPSK	1	0	24.50	24.54	24.49			
5	QPSK	1	12	24.44	24.54	24.47	25.5	0	
5	QPSK	1	24	24.50	24.52	24.39			
5	QPSK	12	0	23.44	23.46	23.44			
5	QPSK	12	7	23.45	23.45	23.46			
5	QPSK	12	13	23.48	23.45	23.38	24.5	1	
5	QPSK	25	0	23.43	23.49	23.50			
5	16QAM	1	0	23.53	23.51	23.42			
5	16QAM	1	12	23.54	23.48	23.37			
5	16QAM	1	24	23.44	23.59	23.38	24.5	1	
5	16QAM	12	0	22.45	22.48	22.44			
5	16QAM	12	7	22.45	22.45	22.48			
5	16QAM	12	13	22.47	22.50	22.42			
5	16QAM	25	0	22.36	22.51	22.44	23.5	2	
5	64QAM	1	0	22.48	22.49	22.53			
5	64QAM	1	12	22.42	22.53	22.47			
5	64QAM	1	24	22.45	22.49	22.42			
5	64QAM	12	0	21.50	21.57	21.45	23.5	2	
5	64QAM	12	7	21.52	21.54	21.57			
5	64QAM	12	13	21.48	21.54	21.30			
5	64QAM	25	0	21.54	21.45	21.47			
5	256QAM	1	0	19.47	19.44	19.38	20.5	5	
5	256QAM	1	12	19.52	19.55	19.51			
5	256QAM	1	24	19.52	19.59	19.40			
5	256QAM	12	0	19.51	19.53	19.44			
5	256QAM	12	7	19.40	19.42	19.59	20.5	5	
5	256QAM	12	13	19.42	19.46	19.39			
5	256QAM	25	0	19.55	19.45	19.54			

Band 42 Part 27Q Ant 7 DSI 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	20.79	20.81	20.75	22	0	
20	QPSK	1	49	20.70	20.78	20.68			
20	QPSK	1	99	20.74	20.69	20.68			
20	QPSK	50	0	20.66	20.78	20.64	22	0	
20	QPSK	50	24	20.71	20.72	20.62			
20	QPSK	50	50	20.68	20.75	20.65			
20	QPSK	100	0	20.75	20.75	20.72	22	0	
20	16QAM	1	0	20.65	20.69	20.73			
20	16QAM	1	49	20.66	20.75	20.56			
20	16QAM	1	99	20.61	20.59	20.66	22	0	
20	16QAM	50	0	20.62	20.69	20.52			
20	16QAM	50	24	20.68	20.59	20.57			
20	16QAM	50	50	20.66	20.72	20.62	22	0	
20	16QAM	100	0	20.68	20.68	20.65			
20	64QAM	1	0	20.74	20.70	20.67			
20	64QAM	1	49	20.64	20.73	20.56	22	0	
20	64QAM	1	99	20.66	20.63	20.58			
20	64QAM	50	0	19.73	19.78	19.72			
20	64QAM	50	24	19.65	19.78	19.71	21	1	
20	64QAM	50	50	19.71	19.74	19.74			
20	64QAM	100	0	19.63	19.77	19.66			
20	256QAM	1	0	17.83	17.79	17.69	19	3	
20	256QAM	1	49	17.69	17.73	17.62			
20	256QAM	1	99	17.76	17.71	17.62			
20	256QAM	50	0	17.70	17.76	17.65	19	3	
20	256QAM	50	24	17.69	17.68	17.58			
20	256QAM	50	50	17.71	17.80	17.63			
20	256QAM	100	0	17.72	17.71	17.75	Tune-up limit (dBm)	MPR (dB)	
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.69	20.75	20.61	22	0	
15	QPSK	1	37	20.57	20.66	20.65			
15	QPSK	1	74	20.65	20.62	20.56			
15	QPSK	36	0	20.62	20.67	20.55	22	0	
15	QPSK	36	20	20.63	20.64	20.51			
15	QPSK	36	39	20.66	20.71	20.58			
15	QPSK	75	0	20.73	20.65	20.64	22	0	
15	16QAM	1	0	20.62	20.56	20.69			
15	16QAM	1	37	20.60	20.66	20.45			
15	16QAM	1	74	20.48	20.48	20.63	22	0	
15	16QAM	36	0	20.54	20.57	20.45			
15	16QAM	36	20	20.65	20.45	20.50			
15	16QAM	36	39	20.54	20.58	20.49	22	0	
15	16QAM	75	0	20.66	20.56	20.60			
15	64QAM	1	0	20.65	20.57	20.56			
15	64QAM	1	37	20.52	20.69	20.51	22	0	
15	64QAM	1	74	20.58	20.60	20.53			
15	64QAM	36	0	19.70	19.72	19.59			
15	64QAM	36	20	19.60	19.74	19.65	21	1	
15	64QAM	36	39	19.65	19.65	19.71			
15	64QAM	75	0	19.56	19.64	19.61			
15	256QAM	1	0	17.70	17.68	17.55	19	3	
15	256QAM	1	37	17.66	17.66	17.58			
15	256QAM	1	74	17.64	17.65	17.54			
15	256QAM	36	0	17.59	17.65	17.54	19	3	
15	256QAM	36	20	17.57	17.62	17.49			
15	256QAM	36	39	17.69	17.73	17.56			
15	256QAM	75	0	17.64	17.64	17.67	Tune-up limit (dBm)	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.69	20.69	20.67	22	0	
10	QPSK	1	25	20.66	20.72	20.65			
10	QPSK	1	49	20.63	20.66	20.57			
10	QPSK	25	0	20.58	20.72	20.54	22	0	
10	QPSK	25	12	20.57	20.68	20.58			
10	QPSK	25	25	20.55	20.70	20.57			
10	QPSK	50	0	20.72	20.66	20.67	22	0	
10	16QAM	1	0	20.61	20.57	20.70			
10	16QAM	1	25	20.62	20.70	20.51			
10	16QAM	1	49	20.55	20.47	20.64	22	0	
10	16QAM	25	0	20.51	20.58	20.49			
10	16QAM	25	12	20.57	20.56	20.49			
10	16QAM	25	25	20.63	20.64	20.56	22	0	
10	16QAM	50	0	20.60	20.55	20.54			
10	64QAM	1	0	20.61	20.56	20.59			
10	64QAM	1	25	20.58	20.63	20.54	22	0	
10	64QAM	1	49	20.60	20.53	20.45			
10	64QAM	25	0	19.69	19.69	19.64			
10	64QAM	25	12	19.59	19.68	19.63	21	1	
10	64QAM	25	25	19.69	19.71	19.69			
10	64QAM	50	0	19.52	19.68	19.63			
10	256QAM	1	0	17.72	17.71	17.59	19	3	
10	256QAM	1	25	17.58	17.69	17.53			
10	256QAM	1	49	17.70	17.59	17.48			
10	256QAM	25	0	17.61	17.73	17.54	19	3	
10	256QAM	25	12	17.59	17.63	17.50			
10	256QAM	25	25	17.57	17.78	17.53			
10	256QAM	50	0	17.62	17.57	17.64	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.73	20.67	20.71	22	0	
5	QPSK	1	12	20.64	20.68	20.65			
5	QPSK	1	24	20.71	20.59	20.56			
5	QPSK	12	0	20.58	20.65	20.54	22	0	
5	QPSK	12	7	20.67	20.70	20.52			
5	QPSK	12	13	20.54	20.70	20.52			
5	QPSK	25	0	20.66	20.72	20.66	22	0	
5	16QAM	1	0	20.55	20.63	20.71			
5	16QAM	1	12	20.52	20.63	20.43			
5	16QAM	1	24	20.58	20.50	20.63	22	0	
5	16QAM	12	0	20.52	20.59	20.48			
5	16QAM	12	7	20.57	20.51	20.53			
5	16QAM	12	13	20.62	20.70	20.55	22	0	
5	16QAM	25	0	20.64	20.59	20.59			
5	64QAM	1	0	20.69	20.66	20.60			
5	64QAM	1	12	20.52	20.71	20.50	22	0	
5	64QAM	1	24	20.61	20.56	20.48			
5	64QAM	12	0	19.66	19.76	19.63			
5	64QAM	12	7	19.63	19.71	19.62	21	1	
5	64QAM	12	13	19.59	19.64	19.69			
5	64QAM	25	0	19.53	19.68	19.54			
5	256QAM	1	0	17.81	17.66	17.57	19	3	
5	256QAM	1	12	17.58	17.67	17.57			
5	256QAM	1	24	17.71	17.62	17.60			
5	256QAM	12	0	17.64	17.70	17.63	19	3	
5	256QAM	12	7	17.64	17.58	17.45			
5	256QAM	12	13	17.64	17.76	17.52			
5	256QAM	25	0	17.70	17.67	17.61			

Band 48 Ant 7 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.15	22.23	22.20	22.16	23.5	0
20	QPSK	1	49	22.05	22.16	22.12	22.06		
20	QPSK	1	99	22.03	22.12	22.16	22.10		
20	QPSK	50	0	21.18	21.25	21.15	21.16		
20	QPSK	50	24	21.06	21.12	21.17	21.06	22.5	1
20	QPSK	50	50	21.02	21.15	21.21	21.05		
20	QPSK	100	0	21.11	21.21	21.19	21.19		
20	16QAM	1	0	21.19	21.18	21.24	21.15		
20	16QAM	1	49	21.03	21.17	21.08	21.01	22.5	1
20	16QAM	1	99	21.00	21.17	21.22	21.15		
20	16QAM	50	0	20.16	20.22	20.15	20.13		
20	16QAM	50	24	20.03	20.16	20.15	20.08		
20	16QAM	50	50	19.97	20.20	20.17	20.01	21.5	2
20	16QAM	100	0	20.14	20.20	20.24	20.14		
20	64QAM	1	0	20.19	20.13	20.26	20.17		
20	64QAM	1	49	20.07	20.14	20.12	19.96		
20	64QAM	1	99	19.99	20.14	20.26	20.17	21.5	2
20	64QAM	50	0	19.17	19.23	19.18	19.13		
20	64QAM	50	24	19.00	19.11	19.20	19.02		
20	64QAM	50	50	19.01	19.12	19.25	19.07		
20	64QAM	100	0	19.08	19.16	19.20	19.13	20.5	3
20	256QAM	1	0	17.17	17.24	17.12	17.19		
20	256QAM	1	49	17.06	17.13	17.15	17.04		
20	256QAM	1	99	16.98	17.20	17.17	17.00		
20	256QAM	50	0	17.10	17.22	17.20	17.21	18.5	5
20	256QAM	50	24	17.25	17.24	17.24	17.14		
20	256QAM	50	50	16.99	17.18	17.03	17.04		
20	256QAM	100	0	16.99	17.19	17.26	17.19		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.04	22.20	22.10	22.10	23.5	0
15	QPSK	1	37	22.02	22.13	21.99	21.97		
15	QPSK	1	74	21.90	22.01	22.07	22.02		
15	QPSK	36	0	21.13	21.19	21.10	21.11		
15	QPSK	36	20	21.02	21.08	21.14	21.06	22.5	1
15	QPSK	36	39	20.89	21.03	21.19	20.94		
15	QPSK	75	0	21.04	21.15	21.16	21.05		
15	16QAM	1	0	21.07	21.16	21.20	21.08		
15	16QAM	1	37	20.96	21.05	20.97	20.96	22.5	1
15	16QAM	1	74	20.91	21.10	21.16	21.04		
15	16QAM	36	0	20.06	20.11	20.08	20.08		
15	16QAM	36	20	19.92	20.03	20.01	19.98		
15	16QAM	36	39	19.89	20.13	20.08	19.91	21.5	2
15	16QAM	75	0	20.11	20.06	20.21	20.03		
15	64QAM	1	0	20.16	20.03	20.19	20.06		
15	64QAM	1	37	19.98	20.09	20.03	19.91		
15	64QAM	1	74	19.90	20.01	20.22	20.05	21.5	2
15	64QAM	36	0	19.11	19.12	19.04	19.01		
15	64QAM	36	20	18.91	18.98	19.18	18.90		
15	64QAM	36	39	18.91	19.03	19.15	19.02		
15	64QAM	75	0	18.98	19.08	19.17	19.11	20.5	3
15	256QAM	1	0	17.04	17.18	17.03	17.11		
15	256QAM	1	37	16.94	17.00	17.10	17.01		
15	256QAM	1	74	16.80	17.10	17.14	16.94		
15	256QAM	36	0	17.00	17.17	17.13	17.16	18.5	5
15	256QAM	36	20	17.22	17.16	17.16	17.10		
15	256QAM	36	39	16.90	17.11	16.90	16.99		
15	256QAM	75	0	16.86	17.16	17.24	17.17		
15	256QAM	75	0	16.86	17.16	17.24	17.17	18.5	5
15	256QAM	75	0	16.86	17.16	17.24	17.17		
15	256QAM	75	0	16.86	17.16	17.24	17.17		
15	256QAM	75	0	16.86	17.16	17.24	17.17		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.11	22.18	22.09	22.10	23.5	0
10	QPSK	1	25	21.96	22.09	22.07	21.96		
10	QPSK	1	49	21.96	22.09	22.03	21.98		
10	QPSK	25	0	21.11	21.17	21.13	21.12		
10	QPSK	25	12	21.00	21.05	21.06	21.01	22.5	1
10	QPSK	25	25	20.96	21.11	21.15	20.97		
10	QPSK	50	0	21.07	21.10	21.12	21.06		
10	16QAM	1	0	21.14	21.06	21.13	21.04		
10	16QAM	1	25	20.99	21.12	21.04	20.92	22.5	1
10	16QAM	1	49	20.95	21.10	21.10	21.05		
10	16QAM	25	0	20.05	20.15	20.06	20.05		
10	16QAM	25	12	20.00	20.05	20.12	19.97		
10	16QAM	25	25	19.83	20.11	20.04	19.90	21.5	2
10	16QAM	50	0	20.99	20.15	20.13	20.08		
10	64QAM	1	0	20.16	20.01	20.16	20.04		
10	64QAM	1	25	19.93	20.03	20.03	19.84		
10	64QAM	1	49	19.93	20.08	20.20	20.12	21.5	2
10	64QAM	25	0	19.12	19.13	19.08	19.01		
10	64QAM	25	12	18.87	19.07	19.11	18.98		
10	64QAM	25	25	18.92	19.04	19.23	19.05		
10	64QAM	50	0	18.96	19.14	19.08	19.11	20.5	3
10	256QAM	1	0	17.14	17.17	17.02	17.17		
10	256QAM	1	25	17.00	17.09	17.12	16.98		
10	256QAM	1	49	16.87	17.09	17.04	16.95		
10	256QAM	25	0	16.97	17.17	17.14	17.08	18.5	5
10	256QAM	25	12	17.18	17.10	17.16	17.07		
10	256QAM	25	25	16.96	17.04	16.92	16.90		
10	256QAM	50	0	16.90	17.07	17.14	17.14		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3532.5	3607	3643	3697.5		
5	QPSK	1	0	22.10	22.11	22.13	22.08	23.5	0
5	QPSK	1	12	21.95	22.08	22.05	21.98		
5	QPSK	1	24	21.05	22.04	22.12	22.08		
5	QPSK	12	0	21.05	21.23	21.06	21.05		
5	QPSK	12	7	20.96	21.10	21.03	20.94	22.5	1
5	QPSK	12	13	20.94	21.03	21.18	20.92		
5	QPSK	25	0	21.09	21.16	21.08	21.16		
5	16QAM	1	0	21.13	21.14	21.20	21.09		
5	16QAM	1	12	20.99	21.08	20.97	20.91	22.5	1
5	16QAM	1	24	20.89	21.09	21.11	21.07		
5	16QAM	12	0	20.09	20.11	20.08	20.10		
5	16QAM	12	7	19.92	20.05	20.08	19.97		
5	16QAM	12	13	19.94	20.08	20.08	19.87	21.5	2
5	16QAM	25	0	20.04	20.11	20.14	20.08		
5	64QAM	1	0	20.14	20.11	20.23	20.04		
5	64QAM	1	12	20.04	20.04	20.08	19.89		
5	64QAM	1	24	19.94	20.01	20.23	20.15	21.5	2
5	64QAM	12	0	19.14	19.14	19.13	19.04		
5	64QAM	12	7	18.97	18.98	19.09	18.97		
5	64QAM	12	13	18.89	19.09	19.14	18.96		
5	64QAM	25	0	19.01	19.05	19.07	19.10	20.5	3
5	256QAM	1	0	17.05	17.18	17.08	17.16		
5	256QAM	1	12	16.95	17.05	17.04	16.91		
5	256QAM	1	24	16.90	17.08	17.06	16.86		
5	256QAM	12	0	16.97	17.17	17.14	17.07	18.5	5
5	256QAM	12	7	17.21	17.17	17.14	17.05		
5	256QAM	12	13	16.92	17.12	16.95	16.98		
5	256QAM	25	0	16.89	17.17	17.12	17.17		

Reduced Power Mode for Main PA DSI2 ENDC									
Band 7 Ant 3 DSI 2 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.79	22.81	22.75	23.5	0	
20	QPSK	1	49	22.69	22.76	22.69			
20	QPSK	1	99	22.72	22.74	22.67			
20	QPSK	50	0	22.69	22.76	22.71	23.5	0	
20	QPSK	50	24	22.56	22.68	22.63			
20	QPSK	50	50	22.62	22.64	22.62			
20	QPSK	100	0	22.63	22.75	22.64	23.5	0	
20	16QAM	1	0	22.64	22.73	22.69			
20	16QAM	1	49	22.50	22.73	22.62			
20	16QAM	1	99	22.59	22.69	22.58	22.5	1	
20	16QAM	50	0	21.69	21.80	21.67			
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58	22.5	1	
20	16QAM	100	0	21.62	21.80	21.60			
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63	21.5	2	
20	64QAM	1	99	21.57	21.72	21.61			
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67	20.6		
20	64QAM	50	50	20.65	20.59	20.64			
20	64QAM	100	0	20.59	20.73	20.66			
20	256QAM	1	0	18.73	18.72	18.68	19.5	4	
20	256QAM	1	49	18.55	18.66	18.67			
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64	19.5	4	
20	256QAM	50	24	18.64	18.71	18.74			
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.72	22.79	22.70	23.5	0	
15	QPSK	1	37	22.62	22.73	22.61			
15	QPSK	1	74	22.73	22.65	22.66			
15	QPSK	36	0	22.67	22.66	22.61	23.5	0	
15	QPSK	36	20	22.50	22.57	22.51			
15	QPSK	36	39	22.63	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59	23.5	0	
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55			
15	16QAM	1	74	22.46	22.65	22.53	22.5	1	
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	1	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58	21.5	2	
15	64QAM	1	74	21.46	21.65	21.47			
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54	19.5	4	
15	64QAM	36	39	20.54	20.40	20.53			
15	64QAM	75	0	20.49	20.64	20.60			
15	256QAM	1	0	18.60	18.70	18.62	19.5	4	
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	4	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.80	22.74	22.70	23.5	0	
10	QPSK	1	25	22.66	22.76	22.68			
10	QPSK	1	49	22.66	22.76	22.70			
10	QPSK	25	0	22.62	22.65	22.60	23.5	0	
10	QPSK	25	12	22.54	22.64	22.59			
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62	23.5	0	
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57			
10	16QAM	1	49	22.54	22.67	22.49	22.5	1	
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	1	
10	16QAM	50	0	21.52	21.78	21.48			
10	64QAM	1	0	21.54	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59	21.5	2	
10	64QAM	1	49	21.43	21.63	21.57			
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64	19.5	4	
10	64QAM	25	25	20.58	20.47	20.61			
10	64QAM	50	0	20.47	20.64	20.62			
10	256QAM	1	0	18.71	18.62	18.59	19.5	4	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62	19.5	4	
10	256QAM	25	12	18.62	18.68	18.69			
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.76	22.79	22.69	23.5	0	
5	QPSK	1	12	22.70	22.75	22.61			
5	QPSK	1	24	22.65	22.71	22.69			
5	QPSK	12	0	22.59	22.65	22.67	23.5	0	
5	QPSK	12	7	22.46	22.56	22.57			
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61	23.5	0	
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56			
5	16QAM	1	24	22.47	22.56	22.46	22.5	1	
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	1	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.33	21.5	2	
5	64QAM	1	24	21.50	21.61	21.53			
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54	19.5	4	
5	64QAM	12	13	20.53	20.47	20.51			
5	64QAM	25	0	20.54	20.70	20.63			
5	256QAM	1	0	18.71	18.65	18.62	19.5	4	
5	256QAM	1	12	18.52	18.55	18.57			
5	256QAM	1	24	18.54	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59	19.5	4	
5	256QAM	12	7	18.50	18.64	18.65			
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			

Reduced Power Mode for DSI3_Main PA

GSM850 Ant 1 DSI 3	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	32.29	32.28	33.50	23.26	23.29	23.28	24.50
GPRS 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 2 Tx slot	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 3 Tx slot	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 4 Tx slot	28.63	28.67	28.73	30.00	25.63	25.67	25.73	27.00
EDGE 1 Tx slot	29.87	29.89	29.94	28.00	17.87	17.89	17.94	19.00
EDGE 2 Tx slot	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 3 Tx slot	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 4 Tx slot	20.83	20.88	20.94	22.00	17.83	17.88	17.94	19.00

GSM1900 Ant 1 DSI 3	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)	1950.2	1962	1973.2		1950.2	1962	1973.2	
GSM 1 Tx slot	29.18	29.45	29.43	30.50	20.18	20.45	20.43	21.50
GPRS 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 2 Tx slot	26.90	26.97	26.88	28.00	20.90	20.97	20.88	22.00
GPRS 3 Tx slot	24.90	24.95	24.99	28.20	20.84	20.89	20.93	21.94
GPRS 4 Tx slot	23.55	23.62	23.54	25.00	20.55	20.62	20.54	22.00
EDGE 1 Tx slot	25.84	25.90	25.81	27.00	16.84	16.90	16.81	18.00
EDGE 2 Tx slot	22.85	22.88	22.80	24.00	16.85	16.88	16.80	18.00
EDGE 3 Tx slot	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 4 Tx slot	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00

Band	WCDMA V Ant 1 DSI 3				Tune-up Limit (dBm)	WCDMA V Ant 1 DSI 3				Tune-up Limit (dBm)	WCDMA V Ant 1 DSI 3				Tune-up Limit (dBm)
	Rx Channel	9682	9800	9908		1312	1413	1513	4132		4182	4233			
Frequency (MHz)		1852.4	1860	1867.6		1712.4	1724.6	1736.8		4357	4407	4458		4607	4658
IGPP Rel 99	AMR 12.2kps	18.93	19.00	18.83	20.00	18.57	18.90	18.78	20.00	24.35	24.46	24.35	25.50		
IGPP Rel 99	RM 12.2kps	18.86	19.01	18.97	20.00	18.06	18.97	18.93	20.00	24.48	24.50	24.44	25.50		
IGPP Rel 6	HSDDA Subtest-1	17.81	18.00	17.95	19.00	17.98	17.99	17.98	19.00	23.52	23.54	23.46	24.50		
IGPP Rel 6	HSDDA Subtest-2	17.91	18.04	17.87	19.00	17.81	18.02	17.95	19.00	23.50	23.47	23.43	24.50		
IGPP Rel 6	HSDDA Subtest-3	17.36	17.47	17.42	18.50	17.51	17.50	17.42	18.50	22.94	23.01	22.90	24.00		
IGPP Rel 6	HSDDA Subtest-4	17.40	17.54	17.42	18.50	17.47	17.49	17.38	18.50	23.01	22.98	22.91	24.00		
IGPP Rel 6	DC-HSDPA Subtest-1	17.84	18.06	17.92	19.00	17.98	18.01	17.96	19.00	23.46	23.56	23.41	24.50		
IGPP Rel 6	DC-HSDPA Subtest-2	17.84	17.97	17.94	19.00	17.99	18.02	17.94	19.00	23.47	23.53	23.48	24.50		
IGPP Rel 6	DC-HSDPA Subtest-3	17.33	17.51	17.42	18.50	17.50	17.46	17.40	18.50	23.01	23.04	22.94	24.00		
IGPP Rel 6	DC-HSDPA Subtest-4	17.36	17.52	17.52	18.50	17.44	17.44	17.45	18.50	23.01	23.01	22.97	24.00		
IGPP Rel 6	HSUPA Subtest-1	17.85	17.95	18.00	19.00	18.00	17.96	17.90	19.00	23.49	23.52	23.42	24.50		
IGPP Rel 6	HSUPA Subtest-2	15.83	16.00	15.96	17.00	15.98	15.95	15.92	17.00	21.48	21.50	21.41	22.50		
IGPP Rel 6	HSUPA Subtest-3	16.83	17.02	16.92	18.00	16.88	16.96	16.93	19.00	22.51	22.49	22.39	23.50		
IGPP Rel 6	HSUPA Subtest-4	15.90	16.01	16.03	17.00	15.98	16.01	15.95	17.00	21.48	21.51	21.45	22.50		
IGPP Rel 6	HSUPA Subtest-5	17.87	18.01	18.00	19.00	17.90	17.98	17.88	19.00	23.45	23.49	23.49	24.50		
IGPP Rel 7	HSPA+ (16QAM) Subtest-1	15.33	15.49	15.52	16.50	15.41	15.44	15.46	16.50	20.96	21.01	20.97	22.00		

Band 7 Ant 1 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Med Ch (dBm)	Power High Ch (dBm)	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.88	18.93	18.94	20	0				
20	QPSK	1	40	18.81	18.83	18.74						
20	QPSK	1	80	18.78	18.87	18.79						
20	QPSK	50	0	18.78	18.88	18.78						
20	QPSK	50	24	18.77	18.85	18.80	20	0				
20	QPSK	50	50	18.80	18.86	18.82						
20	QPSK	100	0	18.86	18.84	18.89						
20	16QAM	1	0	18.93	18.80	18.77						
20	16QAM	1	40	18.70	18.74	18.74	20	0				
20	16QAM	1	80	18.67	18.80	18.69						
20	16QAM	50	0	18.72	18.79	18.76						
20	16QAM	50	24	18.69	18.72	18.73						
20	16QAM	50	50	18.79	18.72	18.75	20	0				
20	16QAM	100	0	18.79	18.83	18.77						
20	16QAM	1	0	18.75	18.71	18.64						
20	16QAM	1	37	18.67	18.73	18.68		20	0			
20	16QAM	1	74	18.64	18.85	18.70						
20	16QAM	36	0	18.70	18.78	18.66						
20	16QAM	36	20	18.67	18.63	18.62						
20	16QAM	75	0	18.76	18.61	18.70	20	0				
20	16QAM	1	0	18.65	18.70	18.74						
20	16QAM	1	37	18.65	18.65	18.64						
20	16QAM	1	74	18.55	18.54	18.50						
20	16QAM	36	0	18.62	18.80	18.58	20	0				
20	16QAM	36	20	18.67	18.73	18.62						
20	16QAM	75	0	18.67	18.55	18.73						
20	16QAM	36	30	18.67	18.55	18.73						
20	256QAM	1	0	18.71	18.70	18.63	19.5	0.5				
20	256QAM	1	37	18.30	18.29	18.03						
20	256QAM	1	74	18.18	18.30	18.16						
20	256QAM	36	0	18.62	18.79	18.66						
20	256QAM	36	20	18.21	18.33	18.10	19.5	0.5				
20	256QAM	36	30	18.16	18.27	18.28						
20	256QAM	75	0	18.16	18.23	18.13						
Channel												
Frequency (MHz)												
20	QPSK	1	0	18.80	18.90	18.79	20	0				
10	QPSK	1	26	18.75	18.79	18.68						
10	QPSK	1	40	18.68	18.79	18.87						
10	QPSK	1	74	18.72	18.78	18.74						
10	QPSK	24	12	18.68	18.80	18.72	20	0				
10	QPSK	25	25	18.66	18.72	18.73						
10	QPSK	50	0	18.73	18.72	18.71						
10	16QAM	1	0	18.75	18.74	18.73						
10	16QAM	1	26	18.59	18.71	18.58	20	0				
10	16QAM	1	40	18.63	18.63	18.63						
10	16QAM	25	0	18.58	18.68	18.65						
10	16QAM	25	12	18.60	18.65	18.66						
10	16QAM	50	0	18.70	18.70	18.70	20	0				
10	16QAM	50	12	18.66	18.65	18.66						
10	16QAM	50	24	18.63	18.63	18.63						
10	16QAM	50	0	18.74	18.67	18.61						
10	16QAM	1	0	18.75	18.61	18.74	20	0				
10	16QAM	1	26	18.63	18.64	18.52						
10	16QAM	1	40	18.54	18.70	18.58						
10	16QAM	25	0	18.53	18.77	18.52		20	0			
10	16QAM	25	10	18.58	18.70	18.64						
10	16QAM	25	25	18.68	18.65	18.68						
10	16QAM	50	0	18.73	18.64	18.55						
10	256QAM	1	0	18.30	18.33	18.22	19.5	0.5				
10	256QAM	1	26	18.27	18.27	18.05						
10	256QAM	1	40	18.18	18.25	18.21						
10	256QAM	25	0	18.21	18.21	18.21						
10	256QAM	25	12	18.18	18.25	18.13	19.5	0.5				
10	256QAM	25	25	18.24	18.23	18.25						
10	256QAM	50	0	18.10	18.20	18.10						
Channel												
Frequency (MHz)												
5	QPSK	1	0	18.81	18.81	18.72			20	0		
5	QPSK	1	12	18.73	18.81	18.63						
5	QPSK	1	24	18.69	18.78	18.71						
5	QPSK	12	0	18.72	18.80	18.65						
5	QPSK	12	7	18.66	18.72	18.75	20	0				
5	QPSK	12	13	18.71	18.83	18.80						
5	QPSK	24	0	18.84	18.75	18.70						
5	16QAM	1	0	18.77	18.70	18.67						
5	16QAM	1	12	18.67	18.78	18.62	20	0				
5	16QAM	1	24	18.59	18.66	18.71						
5	16QAM	12	0	18.63	18.69	18.62						
5	16QAM	12	7	18.66	18.62	18.66						
5	16QAM	25	0	18.74	18.69	18.72	20	0				
5	16QAM	1	0	18.70	18.76	18.67						
5	16QAM	1	10	18.70	18.60	18.54						
5	16QAM	1	24	18.57	18.69	18.58		20	0			
5	16QAM	12	0	18.60	18.76	18.55	20					
5	16QAM	12	7	18.68	18.69	18.71						
5	16QAM	12	13	18.60	18.75	18.70						
5	16QAM	25	0	18.67	18.68	18.59	19.5	0.5				
5	256QAM	1	0	18.20	18.36	18.20						
5	256QAM	1	12	18.24	18.18	18.04						
5	256QAM	1	24	18.13	18.28	18.20						
5	256QAM	12	0	18.18	18.27	18.20	19.5	0.5				
5	256QAM	12	7	18.20	18.29	18.17						
5	256QAM	12	13	18.21	18.23	18.21						

Band 17 Ant 1 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)				700	710	715			
10	QPSK	1	0	24.36	24.37	24.38			
10	QPSK	25	0	24.30	24.35	24.35			
10	QPSK	1	49	24.22	24.23	24.18		25.5	0
10	QPSK	25	0	23.34	23.35	23.36			
10	QPSK	25	12	23.28	23.34	23.17			
10	QPSK	25	25	23.26	23.25	23.07		24.5	1
10	QPSK	50	0	23.29	23.34	23.36			
10	QPSK	1	0	23.25	23.32	23.27			
10	HQAM	1	25	23.26	23.30	23.18		24.5	1
10	HQAM	1	49	23.24	23.22	23.12			
10	HQAM	25	0	22.34	22.28	22.30			
10	HQAM	25	12	22.28	22.30	22.18		23.5	2
10	HQAM	25	25	22.26	22.31	22.17			
10	HQAM	50	0	22.16	22.30	22.22			
10	HQAM	1	0	22.33	22.36	22.22			
10	HQAM	1	25	22.26	22.29	22.23		23.5	2
10	HQAM	1	49	22.24	22.14	22.05			
10	HQAM	25	0	21.27	21.45	21.31			
10	HQAM	25	12	21.23	21.34	21.21		22.5	3
10	HQAM	25	25	21.24	21.28	21.13			
10	HQAM	50	0	21.19	21.33	21.27			
10	HQAM	1	0	19.30	19.33	19.30			
10	HQAM	1	25	19.25	19.36	19.18		20.5	5
10	HQAM	25	0	19.27	19.32	19.28			
10	HQAM	25	12	19.30	19.36	19.24		20.5	5
10	HQAM	25	25	19.35	19.35	19.12			
10	HQAM	50	0	19.23	19.27	19.23			
Channel									
Frequency (MHz)				700.5	710.5	713.5	Turn-up Int. (dB)	MPE (dB)	
5	QPSK	1	0	24.30	24.23	24.20			
5	QPSK	1	12	24.26	24.29	24.18		25.5	0
5	QPSK	1	24	24.20	24.21	24.08			
5	QPSK	12	0	23.20	23.33	23.20			
5	QPSK	12	7	23.23	23.24	23.05		24.5	1
5	QPSK	12	13	23.18	23.19	22.84			
5	QPSK	25	0	23.25	23.25	23.07			
5	QPSK	1	0	23.21	23.26	23.18			
5	HQAM	1	12	23.20	23.17	23.10		24.5	1
5	HQAM	1	24	23.14	23.20	23.04			
5	HQAM	12	0	22.24	22.24	22.11		23.5	2
5	HQAM	12	7	22.19	22.17	22.10			
5	HQAM	12	13	22.24	22.21	22.11			
5	HQAM	25	0	22.09	22.38	22.11			
5	HQAM	1	0	22.21	22.28	22.12		23.5	2
5	HQAM	1	12	22.24	22.21	22.15			
5	HQAM	1	24	22.15	22.10	21.95			
5	HQAM	12	0	21.24	21.36	21.20		22.5	3
5	HQAM	12	7	21.16	21.32	21.02			
5	HQAM	12	13	21.10	21.14	21.03			
5	HQAM	25	0	21.09	21.25	21.17			
5	HQAM	1	0	19.30	19.36	19.30			
5	HQAM	1	12	19.23	19.28	19.05		20.5	5
5	HQAM	1	24	19.21	19.18	18.96			
5	HQAM	12	0	19.16	19.16	19.12			
5	HQAM	12	7	19.19	19.34	19.10		20.5	5
5	HQAM	12	13	19.32	19.29	18.94			
5	HQAM	25	0	19.17	19.21	19.17			

Band 26 Ant 1 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.38	24.41	24.39			
15	QPSK	1	37	24.24	24.35	24.30	25.5	0	
15	QPSK	1	74	24.30	24.35	24.22			
15	QPSK	36	0	23.41	23.48	23.36			
15	QPSK	36	25	23.20	23.34	23.28	24.5	1	
15	QPSK	36	59	23.27	23.39	23.26			
15	QPSK	75	0	23.41	23.34	23.36			
15	HQAM	1	0	23.38	23.42	23.35			
15	HQAM	1	37	23.31	23.28	23.35	24.5	1	
15	HQAM	1	74	23.25	23.32	23.28			
15	HQAM	36	0	22.38	22.37	22.39			
15	HQAM	36	25	22.26	22.37	22.34	23.5	2	
15	HQAM	36	59	22.52	22.39	22.15			
15	HQAM	75	0	22.27	22.32	22.46			
15	HQAM	1	0	22.39	22.38	22.25	23.5	2	
15	HQAM	1	37	22.27	22.33	22.30			
15	HQAM	1	74	22.39	22.27	22.37	23.5	2	
15	HQAM	36	0	21.39	21.42	21.44			
15	HQAM	36	25	21.19	21.25	21.45	22.5	3	
15	HQAM	36	59	21.20	21.45	21.25			
15	HQAM	75	0	21.35	21.31	21.30			
15	HQAM	1	0	19.39	19.43	19.45			
15	HQAM	1	37	19.24	19.29	19.35	20.5	5	
15	HQAM	1	74	19.26	19.39	19.24			
15	HQAM	36	0	19.41	19.40	19.27			
15	HQAM	36	25	19.37	19.37	19.40	20.5	5	
15	HQAM	36	59	19.46	19.28	19.29			
15	HQAM	75	0	19.23	19.20	19.12			
Channel									
Frequency (MHz)				819	831.5	844	Turn-up Int. (dB)	MPE (dB)	
10	QPSK	1	0	24.24	24.30	24.34			
10	QPSK	1	25	24.12	24.24	24.36	25.5	0	
10	QPSK	1	49	24.23	24.29	24.17			
10	QPSK	25	0	23.31	23.42	23.22			
10	QPSK	25	12	23.17	23.23	23.31	24.5	1	
10	QPSK	25	25	23.14	23.29	23.13			
10	HQAM	1	0	23.35	23.22	23.29			
10	HQAM	1	25	23.26	23.38	23.31	24.5	1	
10	HQAM	1	49	23.24	23.23	23.27			
10	HQAM	1	74	23.27	23.27	23.27	23.5	2	
10	HQAM	25	0	22.32	22.33	22.36			
10	HQAM	25	12	22.18	22.29	22.30	23.5	2	
10	HQAM	25	25	22.26	22.29	22.26			
10	HQAM	50	0	22.18	22.20	22.38			
10	HQAM	1	0	22.35	22.33	22.14	23.5	2	
10	HQAM	1	25	22.32	22.35	22.35			
10	HQAM	1	49	22.23	22.10	22.25			
10	HQAM	25	0	21.30	21.40	21.34	22.5	3	
10	HQAM	25	12	21.15	21.15	21.16			
10	HQAM	25	25	21.15	21.43	21.25	22.5	3	
10	HQAM	50	0	21.22	21.20	21.16			
10	HQAM	1	0	19.33	19.38	19.34			
10	HQAM	1	25	19.20	19.20	19.25	20.5	5	
10	HQAM	1	49	19.18	19.35	19.10			
10	HQAM	25	0	19.36	19.31	19.25			
10	HQAM	25	12	19.25	19.29	19.36	20.5	5	
10	HQAM	25	25	19.32	19.15	19.22			
10	HQAM	50	0	19.29	19.20	19.12			
Channel									
Frequency (MHz)				821.5	831.5	846.5	Turn-up Int. (dB)	MPE (dB)	
5	QPSK	1	0	24.11	24.24	24.32			
5	QPSK	1	12	24.20	24.32	24.35	25.5	0	
5	QPSK	1	24	24.17	24.30	24.12			
5	QPSK	12	0	23.37	23.46	23.32			
5	QPSK	12	7	23.13	23.22	23.30	24.5	1	
5	QPSK	12	13	23.20	23.31	23.12			
5	QPSK	25	0	23.23	23.24	23.23			
5	HQAM	1	0	23.29	23.40	23.25			
5	HQAM	1	12	23.22	23.18	23.21	24.5	1	
5	HQAM	1	24	23.22	23.28	23.25			
5	HQAM	12	0	22.31	22.28	22.29	23.5	2	
5	HQAM	12	7	22.15	22.25	22.22			
5	HQAM	12	13	22.26	22.29	22.25			
5	HQAM	25	0	22.17	22.22	22.38			
5	HQAM	1	0	22.35	22.31	22.19	23.5	2	
5	HQAM	1	12	22.18	22.25	22.31			
5	HQAM	1	24	22.21	22.14	22.25			
5	HQAM	12	0	21.27	21.34	21.38	22.5	3	
5	HQAM	12	7	21.23	21.20	21.25			
5	HQAM	12	13	21.07	21.39	21.26			
5	HQAM	25	0	21.27	21.24	21.20			
5	HQAM	1	0	19.33	19.33	19.35			
5	HQAM	1	12	19.20	19.24	19.22	20.5	5	
5	HQAM	1	24	19.23	19.31	19.25			
5	HQAM	12	0	19.33	19.31	19.25			
5	HQAM	12	7	19.27	19.24	19.33	20.5	5	
5	HQAM	12	13	19.35	19.14	19.23			
5	HQAM	25	0	19.22	19.25	19.14			
Channel									
Frequency (MHz)				821.5	831.5	847.5	Turn-up Int. (dB)	MPE (dB)	
3	QPSK	1	0	24.13	24.24	24.32			
3	QPSK	1	8	24.14	24.23	24.28	25.5	0	
3	QPSK	1	14	24.17	24.27	24.14			
3	QPSK	8	0	23.38	23.46	23.32			
3	QPSK	8	7	23.13	23.22	23.30	24.5	1	
3	QPSK	8	14	23.20	23.31	23.12			
3	QPSK	16	0	23.23	23.24	23.23			
3	HQAM	1	0	23.29	23.40	23.25			
3	HQAM	1	8	23.22	23.18	23.21	24.5	1	
3	HQAM	1	14	23.22	23.28	23.25			
3	HQAM	8	0	22.31	22.28	22.29	23.5	2	
3	HQAM	8	7	22.15	22.25	22.22			
3	HQAM	8	14	22.26	22.29	22.25			
3	HQAM	16	0	22.17	22.22	22.38			
3	HQAM	1	0	22.35	22.31	22.19	23.5	2	
3	HQAM	1	8	22.18	22.25	22.31			
3	HQAM	1	14	22.21	22.14	22.25			
3	HQAM	8	0	21.27	21.34	21.38	22.5	3	
3	HQAM	8	7	21.23	21.20	21.25			
3	HQAM	8	14	21.07	21.39	21.26			
3	HQAM	16	0	21.27	21.24	21.20			
3	HQAM	1	0	19.33	19.33	19.35			
3	HQAM	1	8	19.20	19.24	19.22	20.5	5	
3	HQAM	1	14	19.23	19.31	19.25			
3	HQAM	8	0	19.33	19.31	19.25			
3	HQAM	8	7	19.27	19.24	19.33	20.5	5	
3	HQAM	8	14	19.35	19.14	19.23			
3	HQAM	16	0	19.22	19.25	19.14			

GSM850 Ant 4 DSI 3		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit	
Tx Channel		124	184	251	Limit		124	184	251	Limit	
Frequency (MHz)		824.2	836.4	848.8	(dBm)		824.2	836.4	848.8	(dBm)	
GSM 1 Tx slot		32.40	32.46	32.45	33.50		23.40	23.46	23.45	24.50	
GPRS 1 Tx slot		32.40	32.41	32.38	33.50		23.40	23.41	23.38	24.50	
GPRS 2 Tx slots		31.45	31.36	31.31	32.50		25.45	25.36	25.31	26.50	
GPRS 3 Tx slots		29.67	29.61	29.61	31.00		25.41	25.35	25.35	26.74	
GPRS 4 Tx slots		28.73	28.79	28.68	30.00		25.73	25.79	25.68	27.00	
EDGE 1 Tx slot		26.86	26.93	26.89	28.00		17.86	17.93	17.89	19.00	
EDGE 2 Tx slots		23.82	23.96	23.92	25.00		17.82	17.86	17.90	18.00	
EDGE 3 Tx slots		22.08	22.11	22.07	23.20		17.82	17.85	17.81	18.94	
EDGE 4 Tx slots		20.89	20.93	20.84	22.00		17.86	17.93	17.84	19.00	

GSM1900 Ant 4 DSI 3		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit	
Tx Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot		28.42	28.54	28.51	29.50		19.42	19.54	19.51	20.50	
GPRS 1 Tx slot		26.38	26.50	26.46	28.50		18.38	18.50	18.46	20.50	
GPRS 2 Tx slots		27.64	27.59	27.73	28.50		21.64	21.59	21.73	22.50	
GPRS 3 Tx slots		25.83	25.83	25.95	27.00		21.57	21.57	21.69	22.74	
GPRS 4 Tx slots		24.80	24.89	24.87	26.00		21.80	21.89	21.87	22.00	
EDGE 1 Tx slot		24.82	24.87	24.83	26.00		15.82	15.87	15.83	17.00	
EDGE 2 Tx slots		21.81	21.82	21.79	23.00		15.81	15.92	15.79	17.00	
EDGE 3 Tx slots		20.03	20.07	20.02	21.20		15.77	15.81	15.76	16.84	
EDGE 4 Tx slots		18.88	18.87	18.87	20.00		15.88	15.87	15.87	17.00	

Band		WCDMA 8 Ant 4 DSI 3			Tune-up Limit		WCDMA 8 Ant 4 DSI 3			Tune-up Limit		WCDMA 8 Ant 4 DSI 3			Tune-up Limit	
Tx Channel		9262	9400	9538	Limit		1312	1413	1513	Limit		4132	4182	4233	Limit	
Frequency (MHz)		1952.4	1960	1967.6	(dBm)		1712.4	1720.6	1729.6	(dBm)		836.4	836.4	846.6	(dBm)	
3GPP Rel 99		22.51	22.53	22.45	23.50		23.67	23.80	23.70	24.50		24.31	24.44	24.29	25.50	
3GPP Rel 99		22.58	22.68	22.57	23.50		23.77	23.84	23.72	24.50		24.45	24.48	24.41	25.50	
3GPP Rel 6		21.52	21.66	21.61	22.50		22.76	22.84	22.68	23.50		23.48	23.50	23.39	24.50	
3GPP Rel 6		21.56	21.64	21.59	22.50		22.74	22.68	22.74	23.50		23.50	23.49	23.35	24.50	
3GPP Rel 6		21.08	21.21	21.02	22.00		22.28	22.34	22.27	23.00		22.92	23.04	22.94	24.00	
3GPP Rel 6		21.06	21.11	21.09	22.00		22.21	22.32	22.27	23.00		22.91	22.93	22.80	24.00	
3GPP Rel 6		21.00	21.02	21.06	22.50		22.75	22.84	22.68	23.50		23.40	23.48	23.44	24.50	
3GPP Rel 6		21.53	21.62	21.61	22.50		22.83	22.88	22.78	23.50		23.46	23.45	23.45	24.50	
3GPP Rel 6		21.04	21.22	21.02	22.00		22.24	22.31	22.21	23.00		22.90	22.94	22.87	24.00	
3GPP Rel 6		21.10	21.13	21.08	22.00		22.30	22.35	22.29	23.00		22.99	22.93	22.85	24.00	
3GPP Rel 6		21.02	21.71	21.56	22.50		22.80	22.83	22.75	23.50		23.49	23.48	23.44	24.50	
3GPP Rel 6		19.57	19.72	19.55	20.50		20.73	20.81	20.71	21.50		21.44	21.48	21.44	22.50	
3GPP Rel 6		20.59	20.68	20.55	21.50		21.78	21.88	21.67	22.50		22.48	22.53	22.43	23.50	
3GPP Rel 6		19.60	19.70	19.57	20.50		20.83	20.90	20.77	21.50		21.49	21.49	21.35	22.50	
3GPP Rel 6		21.56	21.71	21.60	22.50		22.73	22.81	22.76	23.50		23.44	23.52	23.41	24.50	
3GPP Rel 7		19.09	19.14	19.06	20.00		20.23	20.32	20.23	21.00		20.93	21.04	20.95	22.00	

Band 7 Ant 3 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel							24.5	0	
Frequency (MHz)									
20	QPSK	1	0	23.68	23.75	23.66	24.5	0	
20	QPSK	1	49	23.56	23.71	23.63			
20	QPSK	1	99	23.61	23.66	23.57			
20	QPSK	50	0	22.69	22.76	22.71	23.5	1	
20	QPSK	50	24	22.56	22.66	22.63			
20	QPSK	50	50	22.82	22.75	22.84			
20	16QAM	1	0	22.64	22.73	22.69	23.5	1	
20	16QAM	1	49	22.50	22.73	22.62			
20	16QAM	1	99	22.59	22.69	22.58			
20	16QAM	50	0	21.69	21.80	21.67	22.5	2	
20	16QAM	50	24	21.58	21.66	21.67			
20	16QAM	50	50	21.60	21.64	21.58			
20	16QAM	100	0	21.62	21.80	21.60	22.5	2	
20	64QAM	1	0	21.67	21.79	21.65			
20	64QAM	1	49	21.52	21.78	21.63			
20	64QAM	1	99	21.57	21.72	21.61	21.5	3	
20	64QAM	50	0	20.71	20.75	20.74			
20	64QAM	50	24	20.51	20.74	20.67			
20	64QAM	50	50	20.65	20.59	20.64	19.5	5	
20	64QAM	100	0	20.59	20.73	20.66			
20	256QAM	1	0	18.73	18.72	18.68			
20	256QAM	1	49	18.55	18.66	18.67	19.5	5	
20	256QAM	1	99	18.59	18.65	18.62			
20	256QAM	50	0	18.67	18.70	18.64			
20	256QAM	50	24	18.64	18.71	18.74	19.5	5	
20	256QAM	50	50	18.46	18.77	18.67			
20	256QAM	100	0	18.56	18.71	18.58			
Channel							24.5	0	
Frequency (MHz)									
15	QPSK	1	0	23.56	23.63	23.57	24.5	0	
15	QPSK	1	37	23.48	23.58	23.53			
15	QPSK	1	74	23.54	23.54	23.48			
15	QPSK	36	0	22.67	22.66	22.61	23.5	1	
15	QPSK	36	20	22.50	22.57	22.51			
15	QPSK	36	39	22.53	22.57	22.49			
15	QPSK	75	0	22.55	22.65	22.59	23.5	1	
15	16QAM	1	0	22.56	22.69	22.63			
15	16QAM	1	37	22.42	22.65	22.55			
15	16QAM	1	74	22.46	22.65	22.53	22.5	2	
15	16QAM	36	0	21.60	21.74	21.57			
15	16QAM	36	20	21.56	21.63	21.56			
15	16QAM	36	39	21.47	21.61	21.44	22.5	2	
15	16QAM	75	0	21.52	21.76	21.50			
15	64QAM	1	0	21.61	21.71	21.59			
15	64QAM	1	37	21.49	21.68	21.58	22.5	2	
15	64QAM	1	74	21.46	21.65	21.47			
15	64QAM	36	0	20.62	20.69	20.72			
15	64QAM	36	20	20.48	20.63	20.54	21.5	3	
15	64QAM	36	39	20.54	20.49	20.53			
15	64QAM	75	0	20.49	20.64	20.60			
15	256QAM	1	0	18.60	18.70	18.62	19.5	5	
15	256QAM	1	37	18.45	18.58	18.57			
15	256QAM	1	74	18.55	18.63	18.51			
15	256QAM	36	0	18.65	18.61	18.61	19.5	5	
15	256QAM	36	20	18.51	18.57	18.69			
15	256QAM	36	39	18.41	18.67	18.61			
15	256QAM	75	0	18.46	18.61	18.49	24.5	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.57	23.71	23.52	24.5	0	
10	QPSK	1	25	23.48	23.63	23.52			
10	QPSK	1	49	23.56	23.62	23.44			
10	QPSK	25	0	22.62	22.65	22.60	23.5	1	
10	QPSK	25	12	22.54	22.64	22.59			
10	QPSK	25	25	22.56	22.52	22.58			
10	QPSK	50	0	22.56	22.69	22.62	23.5	1	
10	16QAM	1	0	22.52	22.60	22.66			
10	16QAM	1	25	22.39	22.65	22.57			
10	16QAM	1	49	22.54	22.67	22.49	22.5	2	
10	16QAM	25	0	21.60	21.73	21.60			
10	16QAM	25	12	21.48	21.57	21.64			
10	16QAM	25	25	21.57	21.57	21.55	22.5	2	
10	16QAM	50	0	21.52	21.78	21.48			
10	64QAM	1	0	21.54	21.67	21.60			
10	64QAM	1	25	21.49	21.74	21.59	22.5	2	
10	64QAM	1	49	21.43	21.63	21.57			
10	64QAM	25	0	20.68	20.73	20.70			
10	64QAM	25	12	20.39	20.61	20.64	21.5	3	
10	64QAM	25	25	20.58	20.47	20.61			
10	64QAM	50	0	20.47	20.64	20.62			
10	256QAM	1	0	18.71	18.62	18.59	19.5	5	
10	256QAM	1	25	18.53	18.56	18.64			
10	256QAM	1	49	18.47	18.54	18.48			
10	256QAM	25	0	18.55	18.58	18.62	19.5	5	
10	256QAM	25	12	18.62	18.68	18.69			
10	256QAM	25	25	18.44	18.65	18.54			
10	256QAM	50	0	18.49	18.69	18.51	24.5	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.65	23.72	23.61	24.5	0	
5	QPSK	1	12	23.48	23.67	23.51			
5	QPSK	1	24	23.54	23.61	23.44			
5	QPSK	12	0	22.59	22.65	22.67	23.5	1	
5	QPSK	12	7	22.46	22.56	22.57			
5	QPSK	12	13	22.53	22.57	22.50			
5	QPSK	25	0	22.53	22.62	22.61	23.5	1	
5	16QAM	1	0	22.56	22.61	22.65			
5	16QAM	1	12	22.41	22.61	22.56			
5	16QAM	1	24	22.47	22.56	22.46	22.5	2	
5	16QAM	12	0	21.60	21.71	21.64			
5	16QAM	12	7	21.45	21.53	21.59			
5	16QAM	12	13	21.55	21.61	21.55	22.5	2	
5	16QAM	25	0	21.49	21.72	21.47			
5	64QAM	1	0	21.63	21.66	21.53			
5	64QAM	1	12	21.40	21.71	21.53	22.5	2	
5	64QAM	1	24	21.50	21.61	21.53			
5	64QAM	12	0	20.57	20.73	20.70			
5	64QAM	12	7	20.40	20.64	20.54	21.5	3	
5	64QAM	12	13	20.53	20.47	20.51			
5	64QAM	25	0	20.54	20.70	20.63			
5	256QAM	1	0	18.71	18.65	18.62	19.5	5	
5	256QAM	1	12	18.62	18.55	18.57			
5	256QAM	1	24	18.54	18.63	18.53			
5	256QAM	12	0	18.62	18.65	18.59	19.5	5	
5	256QAM	12	7	18.50	18.64	18.65			
5	256QAM	12	13	18.34	18.74	18.63			
5	256QAM	25	0	18.46	18.60	18.47			

Band 2 Ant 4 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.08	22.13	21.97			23	0		
20	QPSK	1	46	22.08	22.13	21.97						
20	QPSK	1	99	22.03	22.11	21.91			22	1		
20	QPSK	50	0	21.06	21.08	21.02						
20	QPSK	50	24	21.04	21.09	21.04			22	1		
20	QPSK	50	50	21.02	21.06	20.97						
20	QPSK	100	0	20.98	21.08	20.95			22	1		
20	QPSK	100	24	21.05	21.17	20.95						
20	16QAM	1	49	21.10	21.11	20.97			21	2		
20	16QAM	1	99	21.07	21.06	20.87						
20	16QAM	50	0	20.92	20.95	20.97			20	3		
20	16QAM	50	24	20.99	20.94	20.98						
20	16QAM	50	50	20.98	20.93	20.93			18	5		
20	16QAM	100	0	19.99	20.05	19.95						
20	16QAM	1	0	20.96	20.14	19.95			21	2		
20	16QAM	1	49	20.11	20.12	19.98						
20	16QAM	1	99	20.02	20.15	19.96			20	3		
20	16QAM	50	0	19.99	19.98	19.92						
20	16QAM	50	24	19.92	19.96	19.97			18	5		
20	16QAM	50	50	19.99	19.91	19.98						
20	256QAM	1	0	17.04	17.15	16.92			18	5		
20	256QAM	1	49	17.05	17.07	16.95						
20	256QAM	1	99	16.99	17.07	16.96			18	5		
20	256QAM	50	0	17.04	17.03	16.98						
20	256QAM	50	24	17.08	17.05	16.83			18	5		
20	256QAM	50	50	16.98	17.06	16.94						
20	256QAM	100	0	17.02	17.03	16.99			20	3		
20	256QAM	100	0	16.99	16.97	16.99						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.98	22.12	21.97			23	0		
15	QPSK	1	37	22.00	21.99	21.83						
15	QPSK	1	74	22.00	22.09	21.83			22	1		
15	QPSK	36	0	21.04	20.98	20.98						
15	QPSK	36	24	21.00	21.04	20.91			22	1		
15	QPSK	36	36	20.93	21.00	20.93						
15	QPSK	75	0	20.91	20.97	20.92			22	1		
15	QPSK	75	0	21.03	21.16	20.93						
15	16QAM	1	37	21.03	21.19	20.93			21	2		
15	16QAM	1	0	21.04	21.15	20.92						
15	16QAM	36	0	20.90	20.92	19.87			20	3		
15	16QAM	36	20	19.90	20.93	19.95						
15	16QAM	36	36	19.87	19.93	19.84			18	5		
15	16QAM	75	0	19.94	19.96	19.84						
15	16QAM	1	0	20.00	20.12	19.92			21	2		
15	16QAM	1	37	20.00	20.05	19.88						
15	16QAM	1	74	19.92	20.14	19.91			20	3		
15	16QAM	36	0	19.83	19.88	19.80						
15	16QAM	36	20	19.83	19.93	19.83			18	5		
15	16QAM	36	36	19.95	19.95	19.92						
15	16QAM	75	0	18.89	19.93	18.88			18	5		
15	256QAM	1	0	17.00	17.15	16.98						
15	256QAM	1	37	17.04	16.97	16.78			18	5		
15	256QAM	1	74	16.97	17.04	16.94						
15	256QAM	36	0	16.96	17.03	16.88			18	5		
15	256QAM	36	20	16.95	17.02	16.78						
15	256QAM	36	36	16.92	16.94	16.88			20	3		
15	256QAM	75	0	17.00	17.03	16.94						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.02	22.10	21.96			23	0		
10	QPSK	1	25	22.07	22.09	21.79						
10	QPSK	1	49	21.98	22.09	21.86			22	1		
10	QPSK	1	25	21.92	22.02	21.86						
10	QPSK	25	12	21.01	21.06	20.93			22	1		
10	QPSK	25	25	20.93	21.03	20.93						
10	16QAM	1	0	21.00	21.08	20.90			22	1		
10	16QAM	1	25	21.08	21.03	20.82						
10	16QAM	25	0	19.91	20.00	19.97			21	2		
10	16QAM	25	12	19.96	20.02	19.88						
10	16QAM	25	25	19.98	19.98	19.83			20	3		
10	16QAM	50	0	19.94	20.00	19.93						
10	16QAM	1	0	19.97	20.09	19.91			21	2		
10	16QAM	1	49	20.01	20.04	19.98						
10	16QAM	1	49	19.95	20.10	19.93			20	3		
10	16QAM	25	0	18.93	19.98	19.90						
10	16QAM	25	12	18.96	19.92	19.80			18	5		
10	16QAM	25	25	18.95	19.93	18.92						
10	16QAM	50	0	18.98	18.96	18.95			18	5		
10	256QAM	1	0	17.00	17.11	17.00						
10	256QAM	1	25	17.01	17.00	16.78			18	5		
10	256QAM	1	49	16.96	17.01	16.84						
10	256QAM	25	0	16.98	17.02	16.80			18	5		
10	256QAM	25	25	16.96	17.03	16.80						
10	256QAM	50	0	17.02	17.02	16.94			20	3		
10	256QAM	50	0	16.99	16.97	16.98						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.87	22.08	21.88			23	0		
5	QPSK	1	12	21.98	22.05	21.77						
5	QPSK	1	24	21.95	22.07	21.82			22	1		
5	QPSK	12	0	20.95	20.97	20.96						
5	QPSK	12	7	20.94	21.00	20.84			22	1		
5	QPSK	12	13	21.01	21.02	20.94						
5	QPSK	24	0	20.94	21.04	20.87			22	1		
5	16QAM	1	0	21.02	21.05	20.81						
5	16QAM	1	12	21.08	21.00	20.81			21	2		
5	16QAM	1	24	20.91	20.98	20.83						
5	16QAM	12	0	19.97	20.05	19.92			21	2		
5	16QAM	12	7	19.91	19.93	19.88						
5	16QAM	12	13	19.93	20.01	19.88			20	3		
5	16QAM	25	0	19.93	19.97	19.85						
5	16QAM	1	0	20.01	20.11	19.84			21	2		
5	16QAM	1	12	20.10	20.05	19.88						
5	16QAM	1	24	19.94	20.07	19.92			20	3		
5	16QAM	12	0	18.91	19.92	19.91						
5	16QAM	12	7	18.96	19.98	19.91			18	5		
5	16QAM	12	13	18.90	19.99	19.92						
5	256QAM	1	0	17.00	17.07	16.98			18	5		
5	256QAM	1	12	17.01	17.05	16.85						
5	256QAM	1	24	16.98	16.99	16.92			18	5		
5	256QAM	12	0	17.02	17.11	16.89						
5	256QAM	12	7	16.96	17.02	16.80			18	5		
5	256QAM	12	13	16.98	16.95	16.83						
5	256QAM	25	0	16.94	17.10	16.97			20	3		
5	256QAM	25	0	16.95	16.97	16.95						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.99	22.09	21.88			23	0		
3	QPSK	1	8	22.02	22.01	21.77						
3	QPSK	1	14	21.95	22.07	21.83			22	1		
3	QPSK	8	0	21.02	21.04	20.96						
3	QPSK	8	4	20.93	21.07	20.91			22	1		
3	QPSK	8	7	20								

Band 7 Ant 4 DSI 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.97	23.04	22.95	24.5	0						
20	QPSK	1	40	22.95	23.00	22.90								
20	QPSK	1	80	22.93	23.02	22.94								
20	QPSK	50	0	21.62	22.03	21.95	23.5	1						
20	QPSK	50	24	21.60	22.02	21.96								
20	QPSK	50	48	21.58	22.01	21.96								
20	QPSK	100	0	21.55	22.03	21.96	23.5	1						
20	QPSK	100	24	22.01	22.07	21.96								
20	QPSK	100	48	21.93	22.05	21.95								
20	16QAM	1	40	21.98	22.05	21.96	22.5	2						
20	16QAM	1	80	21.98	22.05	21.96								
20	16QAM	1	120	20.95	21.02	20.93								
20	16QAM	50	24	21.02	20.97	21.01	22.5	2						
20	16QAM	50	48	20.95	21.01	20.92								
20	16QAM	100	0	20.95	21.01	21.00								
20	64QAM	1	0	21.00	21.08	20.95	22.5	2						
20	64QAM	1	40	20.99	21.01	20.91								
20	64QAM	1	80	20.90	21.05	20.91								
20	64QAM	50	24	19.92	20.05	19.95	21.5	3						
20	64QAM	50	48	19.95	19.99	19.98								
20	64QAM	50	72	19.90	19.99	19.98								
20	64QAM	100	0	19.99	20.06	19.92	19.5	5						
20	256QAM	1	0	17.91	18.06	17.96								
20	256QAM	1	40	17.94	18.03	17.91								
20	256QAM	1	80	17.93	18.04	17.93	19.5	5						
20	256QAM	50	24	17.99	18.04	17.90								
20	256QAM	50	48	17.93	17.98	17.96								
20	256QAM	100	0	17.99	18.00	17.99	20.5	5						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.85	23.00	22.85	24.5	0						
15	QPSK	1	37	22.86	22.95	22.83								
15	QPSK	1	74	22.80	22.97	22.82								
15	QPSK	36	0	21.88	21.93	21.85	23.5	1						
15	QPSK	36	20	21.90	21.99	21.93								
15	QPSK	36	36	21.90	21.96	21.75								
15	QPSK	72	0	21.89	21.91	21.85	23.5	1						
15	QPSK	72	0	21.96	22.03	21.84								
15	16QAM	1	37	21.90	22.03	21.88								
15	16QAM	1	74	21.91	22.02	21.85	22.5	2						
15	16QAM	36	0	20.94	20.92	20.84								
15	16QAM	36	20	20.99	20.97	20.98								
15	16QAM	72	0	20.92	21.00	20.90	22.5	2						
15	64QAM	1	0	20.96	21.03	20.93								
15	64QAM	1	37	20.95	21.00	20.90								
15	64QAM	1	74	20.92	20.98	20.83	21.5	3						
15	64QAM	36	0	19.88	20.02	19.89								
15	64QAM	36	20	19.95	19.96	19.95								
15	64QAM	36	36	19.95	19.95	19.75	19.5	5						
15	64QAM	72	0	19.84	19.96	19.89								
15	256QAM	1	0	17.90	17.97	17.90								
15	256QAM	1	37	17.85	18.03	17.89	19.5	5						
15	256QAM	36	0	17.90	18.03	17.88								
15	256QAM	36	20	17.93	18.01	17.79								
15	256QAM	36	36	17.85	17.93	17.91	20.5	5						
15	256QAM	72	0	17.90	18.01	17.88								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.94	23.01	22.93	24.5	0						
10	QPSK	1	40	22.97	23.00	22.93								
10	QPSK	1	80	22.96	23.00	22.95								
10	QPSK	1	40	22.87	23.00	22.93	23.5	1						
10	QPSK	25	12	21.89	21.90	21.90								
10	QPSK	25	25	21.94	21.96	21.80								
10	QPSK	50	0	22.01	22.02	21.95	23.5	1						
10	QPSK	50	24	22.01	22.05	21.96								
10	QPSK	50	48	21.95	22.05	21.96								
10	16QAM	1	25	21.85	22.00	21.82	22.5	2						
10	16QAM	1	49	21.85	22.04	21.82								
10	16QAM	25	0	20.90	20.99	20.90								
10	16QAM	25	12	20.93	20.90	21.00	22.5	2						
10	16QAM	25	25	20.90	20.96	20.77								
10	16QAM	50	0	20.88	20.91	20.93								
10	64QAM	1	0	20.90	21.00	20.88	22.5	2						
10	64QAM	1	25	20.95	20.96	20.80								
10	64QAM	1	49	20.85	21.01	20.91								
10	64QAM	25	0	19.90	19.99	19.81	21.5	3						
10	64QAM	25	12	19.95	19.97	19.80								
10	64QAM	25	25	19.80	19.91	19.80								
10	64QAM	50	0	19.88	19.96	19.82	19.5	5						
10	256QAM	1	0	17.90	18.00	17.90								
10	256QAM	1	25	17.93	18.02	17.90								
10	256QAM	1	49	17.91	17.96	17.88	19.5	5						
10	256QAM	25	0	17.91	17.98	17.90								
10	256QAM	25	12	17.90	17.96	17.89								
10	256QAM	25	25	17.88	17.89	17.86	19.5	5						
10	256QAM	50	0	17.92	17.99	17.93								
10	256QAM	50	0	17.90	18.02	17.88								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.96	23.03	22.91	24.5	0						
5	QPSK	1	12	22.91	23.06	22.82								
5	QPSK	1	24	22.84	23.01	22.83								
5	QPSK	12	0	21.81	21.98	21.80	23.5	1						
5	QPSK	12	7	21.80	21.94	21.84								
5	QPSK	12	14	21.84	22.01	21.78								
5	QPSK	24	0	21.87	22.02	21.85	23.5	1						
5	16QAM	1	0	21.87	22.05	21.85								
5	16QAM	1	12	21.93	21.94	21.83								
5	16QAM	1	24	21.90	21.98	21.85	22.5	2						
5	16QAM	12	7	20.89	20.94	20.85								
5	16QAM	12	14	20.96	20.98	21.00								
5	16QAM	24	0	20.92	20.98	20.90	22.5	2						
5	64QAM	1	0	20.93	21.02	20.90								
5	64QAM	1	12	20.95	21.00	20.88								
5	64QAM	1	24	20.90	21.02	20.82	22.5	2						
5	64QAM	12	7	19.90	19.97	19.82								
5	64QAM	12	14	19.88	19.89	19.85								
5	64QAM	24	0	19.88	20.03	19.86	21.5	3						
5	256QAM	1	0	17.81	17.98	17.80								
5	256QAM	1	12	17.86	18.01	17.87								
5	256QAM	1	24	17.82	17.94	17.83	19.5	5						
5	256QAM	12	7	17.87	17.90	17.85								
5	256QAM	12	14	17.85	17.88	17.85								
5	256QAM	12	19	17.84	17.88	17.86	19.5	5						
5	256QAM	24	0	17.87	17.92	17.86								
5	256QAM	24	0	17.85	17.90	17.85								

Band 12 Ant 4 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.41	24.55	24.37	25.5	0				
10	QPSK	1	25	24.38	24.54	24.35						
10	QPSK	1	49	24.33	24.53	24.31						
10	QPSK	25	0	23.43	23.53	23.34	24.5	1				
10	QPSK	25	12	23.40	23.49	23.32						
10	QPSK	25	25	23.32	23.48	23.24						
10	QPSK	50	0	23.25	23.51	23.28	24.5	1				
10	QPSK	50	24	23.43	23.51	23.39						
10	QPSK	50	48	23.39	23.54	23.30						
10	16QAM	1	25	23.29	23.51	23.27	23.5	2				
10	16QAM	1	49	23.28	23.51	23.27						
10	16QAM	25	0	22.45	22.55	22.30						
10	16QAM	25	12	22.42	22.55	22.38	22.5	3				
10	16QAM	25	25	22.27	22.47	22.28						
10	16QAM	50	0	22.32	22.56	22.34						
10	64QAM	1	0	22.43	22.57	22.42	23.5	2				
10	64QAM	1	25	22.26	22.50	22.27						
10	64QAM	25	0	21.40	21.55	21.39						

Band 17 Ant 4 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.48	24.52	25.5	0				
10	QPSK	1	25	24.36	24.48	24.53						
10	QPSK	1	49	24.33	24.47	24.52						
10	QPSK	1	74	24.37	24.49	24.50						
10	QPSK	25	12	23.39	23.48	23.51	24.5	1				
10	QPSK	25	25	23.39	23.46	23.57						
10	QPSK	50	0	23.35	23.44	23.52						
10	HQAM	1	0	23.37	23.52	23.39						
10	HQAM	1	25	23.40	23.46	23.51	24.5	1				
10	HQAM	1	49	23.37	23.47	23.57						
10	HQAM	25	0	22.42	22.46	22.50						
10	HQAM	25	12	22.35	22.46	22.50						
10	HQAM	25	25	22.41	22.49	22.54	23.5	2				
10	HQAM	50	0	22.34	22.41	22.57						
10	HQAM	1	0	22.44	22.47	22.57						
10	HQAM	1	49	22.36	22.46	22.54						
10	HQAM	1	49	22.40	22.44	22.54	22.5	3				
10	HQAM	25	0	21.32	21.48	21.27						
10	HQAM	25	12	21.36	21.53	21.42						
10	HQAM	25	25	21.35	21.48	21.41						
10	HQAM	50	0	21.36	21.47	21.58	22.5	3				
10	HQAM	1	0	19.40	19.46	19.50						
10	HQAM	1	25	19.34	19.45	19.50						
10	HQAM	1	49	19.39	19.47	19.58						
10	HQAM	25	0	19.43	19.45	19.54	20.5	5				
10	HQAM	25	12	19.43	19.42	19.58						
10	HQAM	25	25	19.38	19.45	19.58						
10	HQAM	50	0	19.35	19.44	19.55						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.32	24.48	24.36	25.5	0				
5	QPSK	1	12	24.30	24.39	24.17						
5	QPSK	1	24	24.35	24.42	24.31						
5	QPSK	12	0	23.33	23.40	23.21						
5	QPSK	12	7	23.32	23.48	23.37	24.5	1				
5	QPSK	12	13	23.32	23.35	23.51						
5	QPSK	25	0	23.24	23.37	23.53						
5	HQAM	1	0	23.33	23.45	23.51						
5	HQAM	1	12	23.28	23.38	23.23	24.5	1				
5	HQAM	1	24	23.33	23.42	23.57						
5	HQAM	12	0	22.23	22.46	22.59						
5	HQAM	12	7	22.27	22.41	23.52						
5	HQAM	12	13	22.33	22.44	22.55	23.5	2				
5	HQAM	25	0	22.34	22.31	22.17						
5	HQAM	1	0	22.43	22.38	22.17						
5	HQAM	1	24	22.29	22.40	22.27						
5	HQAM	12	0	21.22	21.37	21.23	22.5	3				
5	HQAM	12	7	21.32	21.43	21.56						
5	HQAM	12	13	21.34	21.36	21.54						
5	HQAM	25	0	21.29	21.35	21.27						
5	HQAM	1	0	19.29	19.40	19.51	20.5	5				
5	HQAM	1	12	19.25	19.34	19.25						
5	HQAM	1	24	19.35	19.37	19.26						
5	HQAM	12	0	19.35	19.35	19.51						
5	HQAM	12	7	19.29	19.40	19.56	20.5	5				
5	HQAM	12	13	19.28	19.35	19.27						
5	HQAM	25	0	19.25	19.38	19.54						
5	HQAM	25	0	19.25	19.38	19.54						

Band 26 Ant 4 DSI 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.42	24.50	24.47	25.5	0				
15	QPSK	1	37	24.38	24.53	24.43						
15	QPSK	1	74	24.36	24.51	24.45						
15	QPSK	36	0	23.45	23.48	23.46						
15	QPSK	36	20	23.38	23.45	23.43	24.5	1				
15	QPSK	36	39	23.36	23.45	23.43						
15	QPSK	75	0	23.34	23.47	23.45						
15	HQAM	1	0	23.44	23.56	23.51						
15	HQAM	1	37	23.39	23.49	23.41	24.5	1				
15	HQAM	1	74	23.39	23.52	23.46						
15	HQAM	36	0	22.40	22.53	22.49						
15	HQAM	36	20	22.32	22.49	22.39						
15	HQAM	36	39	22.32	22.43	22.36	23.5	2				
15	HQAM	75	0	22.33	22.46	22.46						
15	HQAM	1	0	22.48	22.51	22.49						
15	HQAM	1	37	22.34	22.51	22.47						
15	HQAM	1	74	22.30	22.49	22.47	22.5	3				
15	HQAM	36	0	21.48	21.50	21.43						
15	HQAM	36	20	21.36	21.49	21.38						
15	HQAM	36	39	21.34	21.41	21.45						
15	HQAM	75	0	21.32	21.52	21.40	20.5	5				
15	HQAM	1	0	19.45	19.57	19.46						
15	HQAM	1	37	19.35	19.53	19.49						
15	HQAM	1	74	19.34	19.55	19.44						
15	HQAM	36	0	19.45	19.54	19.50	20.5	5				
15	HQAM	36	20	19.44	19.56	19.49						
15	HQAM	36	39	19.43	19.52	19.45						
15	HQAM	75	0	19.40	19.55	19.50						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.53	24.35	25.5	0				
10	QPSK	1	25	24.29	24.50	24.36						
10	QPSK	1	49	24.35	24.46	24.39						
10	QPSK	25	0	23.43	23.43	23.36						
10	QPSK	25	12	23.34	23.42	23.32	24.5	1				
10	QPSK	25	25	23.29	23.44	23.31						
10	QPSK	50	0	23.32	23.44	23.36						
10	HQAM	1	0	23.38	23.49	23.47						
10	HQAM	1	25	23.35	23.46	23.31	24.5	1				
10	HQAM	1	35	23.38	23.48	23.47						
10	HQAM	25	0	22.34	22.49	22.37						
10	HQAM	25	12	22.29	22.45	22.35						
10	HQAM	25	25	22.32	22.42	22.45	23.5	2				
10	HQAM	50	0	22.48	22.48	22.38						
10	HQAM	1	0	22.34	22.45	22.45						
10	HQAM	1	49	22.30	22.40	22.45						
10	HQAM	25	0	21.37	21.47	21.45	22.5	3				
10	HQAM	25	12	21.38	21.56	21.45						
10	HQAM	25	25	21.29	21.35	21.44						
10	HQAM	50	0	21.22	21.43	21.36						
10	HQAM	1	0	19.45	19.54	19.44	20.5	5				
10	HQAM	1	25	19.27	19.49	19.46	20.5	5				
10	HQAM	1	35	19.33	19.52	19.42						
10	HQAM	1	49	19.38	19.46	19.48						
10	HQAM	25	0	19.35	19.55	19.44						
10	HQAM	25	12	19.35	19.51	19.41						
10	HQAM	25	25	19.35	19.51	19.41						

Band 38 Ant 1 DSI 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	19.53	19.54	19.43	20.5	0			
20	QPSK	1	49	19.43	19.44	19.34					
20	QPSK	1	99	19.45	19.51	19.35					
20	QPSK	50	0	19.42	19.51	19.33					
20	QPSK	50	24	19.48	19.41	19.41	20.5	0			
20	QPSK	50	50	19.45	19.44	19.39					
20	QPSK	100	0	19.42	19.47	19.37					
20	16QAM	1	0	19.43	19.45	19.40					
20	16QAM	1	49	19.34	19.37	19.23	20.5	0			
20	16QAM	1	99	19.51	19.41	19.30					
20	16QAM	50	0	19.32	19.47	19.25					
20	16QAM	50	24	19.36	19.32	19.30					
20	16QAM	50	50	19.35	19.32	19.31	20.5	0			
20	16QAM	100	0	19.40	19.45	19.32					
20	64QAM	1	0	19.40	19.44	19.31					
20	64QAM	1	49	19.37	19.33	19.22					
20	64QAM	1	99	19.38	19.37	19.28	20.5	0			
20	64QAM	50	0	19.39	19.41	19.24					
20	64QAM	50	24	19.38	19.35	19.36					
20	64QAM	50	50	19.34	19.38	19.28					
20	64QAM	100	0	19.36	19.36	19.33	19.5	1			
20	256QAM	1	0	18.54	18.51	18.47					
20	256QAM	1	49	18.45	18.40	18.31					
20	256QAM	1	99	18.41	18.53	18.32					
20	256QAM	50	0	18.39	18.54	18.35	19.5	1			
20	256QAM	50	24	18.49	18.46	18.43					
20	256QAM	50	50	18.42	18.47	18.43					
20	256QAM	100	0	18.44	18.51	18.32					
Channel				37625	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	19.46	19.45	19.38	20.5	0			
15	QPSK	1	37	19.38	19.41	19.23					
15	QPSK	1	74	19.35	19.39	19.27					
15	QPSK	36	0	19.39	19.39	19.31					
15	QPSK	36	20	19.45	19.29	19.33	20.5	0			
15	QPSK	36	39	19.38	19.38	19.36					
15	QPSK	75	0	19.33	19.39	19.24					
15	16QAM	1	0	19.30	19.33	19.33					
15	16QAM	1	37	19.24	19.25	19.12	20.5	0			
15	16QAM	1	74	19.24	19.30	19.27					
15	16QAM	36	0	19.23	19.37	19.21					
15	16QAM	36	20	19.24	19.26	19.26					
15	16QAM	36	39	19.24	19.23	19.29	20.5	0			
15	16QAM	75	0	19.28	19.42	19.26					
15	64QAM	1	0	19.32	19.41	19.21					
15	64QAM	1	37	19.25	19.26	19.19					
15	64QAM	1	74	19.26	19.31	19.15	20.5	0			
15	64QAM	36	0	19.36	19.33	19.19					
15	64QAM	36	20	19.28	19.32	19.23					
15	64QAM	36	39	19.27	19.32	19.22					
15	64QAM	75	0	19.28	19.32	19.31	19.5	1			
15	256QAM	1	0	18.49	18.45	18.45					
15	256QAM	1	37	18.42	18.35	18.28					
15	256QAM	1	74	18.35	18.48	18.18					
15	256QAM	36	0	18.30	18.47	18.25					
15	256QAM	36	20	18.45	18.35	18.37					
15	256QAM	36	39	18.35	18.36	18.35					
15	256QAM	75	0	18.33	18.45	18.19					
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	19.43	19.50	19.40	20.5	0			
10	QPSK	1	25	19.31	19.32	19.28					
10	QPSK	1	49	19.36	19.45	19.22					
10	QPSK	25	0	19.28	19.39	19.24					
10	QPSK	25	12	19.40	19.37	19.28	20.5	0			
10	QPSK	25	25	19.41	19.41	19.28					
10	QPSK	50	0	19.32	19.38	19.31					
10	16QAM	1	0	19.32	19.41	19.34					
10	16QAM	1	25	19.25	19.34	19.16	20.5	0			
10	16QAM	1	49	19.26	19.33	19.24					
10	16QAM	25	0	19.23	19.34	19.12					
10	16QAM	25	12	19.31	19.19	19.25					
10	16QAM	25	25	19.24	19.18	19.24	20.5	0			
10	16QAM	50	0	19.35	19.32	19.27					
10	64QAM	1	0	19.30	19.36	19.20					
10	64QAM	1	25	19.27	19.29	19.09					
10	64QAM	1	49	19.30	19.35	19.22	20.5	0			
10	64QAM	25	0	19.28	19.28	19.14					
10	64QAM	25	12	19.26	19.27	19.26					
10	64QAM	25	25	19.30	19.35	19.20					
10	64QAM	50	0	19.32	19.25	19.30	19.5	1			
10	256QAM	1	0	18.50	18.48	18.37					
10	256QAM	1	25	18.43	18.37	18.25					
10	256QAM	1	49	18.30	18.47	18.27					
10	256QAM	25	0	18.32	18.43	18.28	19.5	1			
10	256QAM	25	12	18.37	18.36	18.39					
10	256QAM	25	25	18.37	18.36	18.32					
10	256QAM	50	0	18.38	18.37	18.23					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	19.44	19.51	19.40	20.5	0			
5	QPSK	1	12	19.39	19.38	19.28					
5	QPSK	1	24	19.43	19.43	19.28					
5	QPSK	12	0	19.33	19.47	19.19					
5	QPSK	12	7	19.42	19.37	19.27	20.5	0			
5	QPSK	12	13	19.36	19.40	19.35					
5	QPSK	25	0	19.33	19.41	19.25					
5	16QAM	1	0	19.39	19.40	19.37					
5	16QAM	1	12	19.23	19.34	19.19	20.5	0			
5	16QAM	1	24	19.21	19.32	19.19					
5	16QAM	12	0	19.22	19.36	19.17					
5	16QAM	12	7	19.33	19.20	19.18					
5	16QAM	12	13	19.25	19.23	19.17	20.5	0			
5	16QAM	25	0	19.34	19.39	19.26					
5	64QAM	1	0	19.27	19.30	19.29					
5	64QAM	1	12	19.26	19.29	19.20					
5	64QAM	1	24	19.24	19.30	19.19	20.5	0			
5	64QAM	12	0	19.28	19.31	19.14					
5	64QAM	12	7	19.35	19.27	19.30					
5	64QAM	12	13	19.22	19.27	19.18					
5	64QAM	25	0	19.30	19.25	19.24	19.5	1			
5	256QAM	1	0	18.47	18.48	18.45					
5	256QAM	1	12	18.34	18.38	18.21					
5	256QAM	1	24	18.29	18.50	18.22					
5	256QAM	12	0	18.35	18.43	18.29	19.5	1			
5	256QAM	12	7	18.38	18.37	18.33					
5	256QAM	12	13	18.38	18.34	18.33					
5	256QAM	25	0	18.40	18.46	18.27					

Band 41 Ant 1 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2506	2549.5	2593			
20	QPSK	1	0	20.55	20.51	20.64	21.5	0	
20	QPSK	1	49	20.42	20.47	20.57			
20	QPSK	1	99	20.47	20.37	20.51			
20	QPSK	50	0	20.46	20.44	20.59			
20	QPSK	50							

Band 42 Part 27Q Ant 2 DSI 3									
BW (MHz)	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)				5460	3500	3540			
20	QPSK	1	0	19.06	19.15	19.09	20	0	
20	QPSK	1	49	18.98	19.10	18.99			
20	QPSK	1	99	18.96	19.06	19.02			
20	QPSK	50	0	18.05	18.18	18.04			
20	QPSK	50	24	17.97	18.09	18.00	19	1	
20	QPSK	50	50	17.95	18.10	18.07			
20	QPSK	100	0	18.11	18.15	18.14			
20	16QAM	1	0	18.11	18.14	18.05			
20	16QAM	1	49	18.03	18.16	18.04	19	1	
20	16QAM	1	99	17.96	18.03	18.01			
20	16QAM	50	0	17.07	17.16	17.09			
20	16QAM	50	24	17.01	17.06	17.01			
20	16QAM	50	50	16.97	17.05	17.13	18	2	
20	16QAM	100	0	17.09	17.20	17.13			
20	64QAM	1	0	17.07	17.18	17.00			
20	64QAM	1	49	17.06	17.22	17.08			
20	64QAM	1	99	17.01	17.02	17.03	18	2	
20	64QAM	50	0	16.02	16.16	15.98			
20	64QAM	50	24	16.03	16.12	16.02			
20	64QAM	50	50	15.92	16.12	16.12			
20	64QAM	100	0	16.11	16.16	16.15	17	3	
20	256QAM	1	0	14.07	14.14	14.04			
20	256QAM	1	49	13.92	14.06	13.99			
20	256QAM	1	99	13.93	14.12	14.01			
20	256QAM	50	0	14.06	14.17	14.16	15	5	
20	256QAM	50	24	14.06	14.18	14.03			
20	256QAM	50	50	14.02	14.20	14.02			
20	256QAM	100	0	13.92	14.06	14.01			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3422.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.02	19.04	19.04			
15	QPSK	1	37	18.96	18.99	18.89	20	0	
15	QPSK	1	74	18.92	19.01	18.90			
15	QPSK	36	0	17.91	18.09	18.01			
15	QPSK	36	20	17.84	18.04	17.98			
15	QPSK	36	39	17.80	18.08	17.95	19	1	
15	QPSK	75	0	16.07	16.09	16.08			
15	16QAM	1	0	18.07	18.12	18.01			
15	16QAM	1	37	18.00	18.02	17.94			
15	16QAM	1	74	17.84	17.97	17.87	19	1	
15	16QAM	36	0	17.04	17.11	16.95			
15	16QAM	36	20	16.90	16.92	16.95			
15	16QAM	36	39	16.89	17.03	17.04			
15	16QAM	75	0	17.06	17.11	17.10	18	2	
15	64QAM	1	0	17.01	17.10	16.93			
15	64QAM	1	37	16.99	17.09	17.03			
15	64QAM	1	74	16.89	16.98	16.92			
15	64QAM	36	0	15.99	16.10	15.93	17	3	
15	64QAM	36	20	15.92	16.08	15.91			
15	64QAM	36	39	15.83	16.05	16.00			
15	64QAM	75	0	15.97	16.09	16.09			
15	256QAM	1	0	14.02	14.07	13.98	15	5	
15	256QAM	1	37	13.78	14.02	13.96			
15	256QAM	1	74	13.83	14.07	13.89			
15	256QAM	36	0	14.04	14.11	14.11			
15	256QAM	36	20	14.00	14.04	13.94	15	5	
15	256QAM	36	39	13.90	14.10	13.93			
15	256QAM	75	0	13.93	13.95	13.94			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.98	19.02	19.06			
10	QPSK	1	25	18.93	18.96	18.96	20	0	
10	QPSK	1	49	18.90	18.96	18.93			
10	QPSK	25	0	17.98	18.05	17.90			
10	QPSK	25	12	17.88	18.05	17.96	19	1	
10	QPSK	25	25	17.88	18.06	17.97			
10	QPSK	50	0	18.02	18.05	18.12			
10	16QAM	1	0	18.00	18.06	17.97			
10	16QAM	1	25	17.97	18.03	17.98	19	1	
10	16QAM	1	49	17.91	17.92	17.91			
10	16QAM	25	0	17.00	17.10	16.99			
10	16QAM	25	12	16.90	17.00	16.89			
10	16QAM	25	25	16.91	16.96	17.06	18	2	
10	16QAM	50	0	17.07	17.10	17.08			
10	64QAM	1	0	17.02	17.15	16.91			
10	64QAM	1	25	17.03	17.15	16.99			
10	64QAM	1	49	16.91	16.91	16.95	17	3	
10	64QAM	25	0	15.99	16.10	15.90			
10	64QAM	25	12	15.96	16.09	15.97			
10	64QAM	25	25	15.85	16.06	15.99			
10	64QAM	50	0	16.02	16.10	16.01	15	5	
10	256QAM	1	0	13.99	14.11	13.92			
10	256QAM	1	25	13.86	13.95	13.89			
10	256QAM	1	49	13.87	14.04	13.87			
10	256QAM	25	0	13.97	14.14	14.03	15	5	
10	256QAM	25	12	13.98	14.07	13.95			
10	256QAM	25	25	13.96	14.15	13.90			
10	256QAM	50	0	13.85	13.94	13.98			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500	3500	3500	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.00	19.05	18.98			
5	QPSK	1	12	18.93	19.01	18.96	20	0	
5	QPSK	1	24	18.86	18.99	18.96			
5	QPSK	12	0	17.94	18.13	17.98			
5	QPSK	12	7	17.88	18.02	17.88	19	1	
5	QPSK	12	13	17.86	18.00	17.95			
5	QPSK	25	0	18.01	18.12	18.08			
5	16QAM	1	0	18.06	18.10	17.94			
5	16QAM	1	12	17.89	18.11	18.01	19	1	
5	16QAM	1	24	17.87	17.97	17.95			
5	16QAM	12	0	17.03	17.03	16.99			
5	16QAM	12	7	16.97	17.03	16.90			
5	16QAM	12	13	16.88	17.00	17.04	18	2	
5	16QAM	25	0	17.00	17.12	17.07			
5	64QAM	1	0	16.96	17.10	16.91			
5	64QAM	1	12	16.96	17.16	17.02			
5	64QAM	1	24	16.92	16.92	16.96	18	2	
5	64QAM	12	0	15.99	16.11	15.91			
5	64QAM	12	7	15.90	16.05	15.95			
5	64QAM	12	13	15.88	16.05	16.00			
5	64QAM	25	0	15.97	16.06	16.01	17	3	
5	256QAM	1	0	14.02	14.06	13.90			
5	256QAM	1	12	13.79	14.04	13.99			
5	256QAM	1	24	13.86	14.09	13.88			
5	256QAM	12	0	13.92	14.08	14.05	15	5	
5	256QAM	12	7	13.99	14.14	13.98			
5	256QAM	12	13	13.97	14.13	13.97			
5	256QAM	25	0	13.85	13.94	13.97			

Band 48 Ant 2 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.03	19.12	19.01	19.10	20	0
20	QPSK	1	49	19.01	19.06	18.94	19.00		
20	QPSK	1	99	19.01	19.11	18.93	19.09		
20	QPSK	50	0	18.08	18.13	17.99	18.09	19	1
20	QPSK	50	24	18.05	18.04	17.97	17.99		
20	QPSK	50	50	18.01	18.11	17.97	18.04		
20	QPSK	100	0	18.02	18.14	17.92	18.01	19	1
20	16QAM	1	0	18.02	18.11	17.97	18.06		
20	16QAM	1	49	17.95	18.03	17.91	18.04		
20	16QAM	1	99	17.97	18.05	17.90	18.05	18	2
20	8QAM	1	0	17.07	17.16	17.04	16.94		
20	16QAM	50	24	17.00	17.03	17.03	16.93		
20	16QAM	50	50	16.96	17.10	16.89	17.03	18	2
20	16QAM	100	0	16.98	17.16	16.93	17.02		
20	8QAM	1	0	17.03	17.06	17.03	17.11		
20	8QAM	1	49	17.02	17.04	16.94	17.05	18	2
20	8QAM	1	99	17.00	17.08	16.92	17.14		
20	8QAM	50	0	16.03	16.14	16.00	16.07		
20	8QAM	50	24	16.08	16.03	16.03	15.95	17	3
20	8QAM	50	50	15.95	16.15	15.90	16.03		
20	8QAM	100	0	16.01	16.17	15.91	16.01		
20	256QAM	1	0	14.04	14.06	14.06	14.15	15	5
20	256QAM	1	49	14.06	14.05	13.96	14.01		
20	256QAM	1	99	14.03	14.05	13.95	14.11		
20	256QAM	50	0	14.08	14.15	13.97	14.09	15	5
20	256QAM	50	24	14.01	14.07	13.98	13.94		
20	256QAM	50	50	14.06	14.08	13.86	14.08		
20	256QAM	100	0	14.05	14.10	13.93	14.04	15	5
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.97	19.10	18.98	19.03	20	0
15	QPSK	1	37	18.95	19.01	18.87	18.89		
15	QPSK	1	74	18.95	19.06	18.83	19.02		
15	QPSK	36	0	18.06	18.08	17.89	18.06	19	1
15	QPSK	36	20	18.01	17.97	17.97	17.99		
15	QPSK	36	39	17.93	18.09	17.84	17.99		
15	QPSK	75	0	17.94	18.03	17.89	17.98	19	1
15	16QAM	1	0	17.92	18.00	17.92	18.04		
15	16QAM	1	37	17.91	18.02	17.85	18.00		
15	16QAM	1	74	17.86	17.94	17.81	17.98	18	2
15	16QAM	36	0	16.97	17.06	17.01	16.93		
15	16QAM	36	20	16.98	16.93	16.91	16.83		
15	16QAM	36	39	16.86	17.03	16.79	17.01	18	2
15	16QAM	75	0	16.94	17.04	16.86	17.01		
15	8QAM	1	0	16.94	16.94	17.00	17.09		
15	8QAM	1	37	16.91	16.94	16.83	16.95	18	2
15	8QAM	1	74	16.91	17.00	16.81	17.11		
15	8QAM	36	0	15.95	16.14	15.99	16.05		
15	8QAM	36	20	16.01	15.94	15.95	15.91	17	3
15	8QAM	36	39	15.89	16.07	15.89	16.00		
15	8QAM	75	0	15.96	16.09	15.90	15.89		
15	256QAM	1	0	14.01	14.02	14.00	14.04	15	5
15	256QAM	1	37	14.02	13.97	13.89	13.94		
15	256QAM	1	74	14.00	13.99	13.93	14.05		
15	256QAM	36	0	14.06	14.05	13.89	13.96	15	5
15	256QAM	36	20	13.99	13.98	13.89	13.86		
15	256QAM	36	39	13.99	14.02	13.78	14.07		
15	256QAM	75	0	13.94	14.03	13.90	13.97	15	5
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.97	19.10	18.98	19.07	20	0
10	QPSK	1	25	18.94	18.95	18.92	18.98		
10	QPSK	1	49	18.95	19.10	18.86	19.04		
10	QPSK	25	0	18.07	18.13	17.95	17.99	19	1
10	QPSK	25	12	18.01	17.98	17.99	17.88		
10	QPSK	25	25	17.95	18.03	17.78	17.94		
10	QPSK	50	0	17.99	18.13	17.80	17.94	19	1
10	16QAM	1	0	17.92	18.04	17.93	17.95		
10	16QAM	1	25	17.94	18.00	17.88	18.04		
10	16QAM	1	49	17.88	18.00	17.88	17.99	18	2
10	16QAM	25	0	16.96	17.14	16.98	17.00		
10	16QAM	25	12	16.93	16.96	16.89	16.85		
10	16QAM	25	25	16.93	17.01	16.87	16.96	18	2
10	16QAM	50	0	16.88	17.09	16.90	16.92		
10	8QAM	1	0	16.94	17.04	16.92	17.07		
10	8QAM	1	25	17.02	16.93	16.92	16.92	18	2
10	8QAM	1	49	16.93	17.06	16.82	17.13		
10	8QAM	1	99	16.97	16.94	16.85	16.05		
10	8QAM	25	12	16.05	15.99	15.97	15.84	17	3
10	8QAM	25	25	15.84	16.13	15.79	15.99		
10	8QAM	50	0	15.96	16.15	15.83	15.96		
10	256QAM	1	0	14.04	14.03	13.95	14.07	15	5
10	256QAM	1	25	14.02	13.96	13.83	14.00		
10	256QAM	1	49	13.96	14.03	13.88	14.10		
10	256QAM	25	0	13.97	14.11	13.89	13.98	15	5
10	256QAM	25	12	13.90	14.05	13.86	13.89		
10	256QAM	25	25	13.99	13.97	13.76	14.07		
10	256QAM	50	0	13.99	14.02	13.83	13.94	15	5
Channel				35535	36010	3643	3697.5		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.93	19.11	18.96	19.07	20	0
5	QPSK	1	12	18.96	18.94	18.93	18.96		
5	QPSK	1	24	18.97	19.06	18.89	19.03		
5	QPSK	12	0	18.03	18.12	17.93	18.04	19	1
5	QPSK	12	6	17.95	17.98	17.79	17.88		
5	QPSK	12	13	17.95	18.01	17.76	17.94		
5	QPSK	25	0	17.92	18.12	17.82	17.95	19	1
5	16QAM	1	0	17.91	18.00	17.92	18.06		
5	16QAM	1	12	17.86	17.92	17.81	18.02		
5	16QAM	1	24	17.87	18.02	17.80	18.00	18	2
5	16QAM	12	0	16.98	17.06	17.04	16.97		
5	16QAM	12	7	16.99	16.98	16.96	16.83		
5	16QAM	12	13	16.91	17.10	16.85	17.03	18	2
5	16QAM	25	0	16.90	17.05	16.81	16.96		
5	16QAM	25	6	16.95	17.04	16.92	17.11		
5	8QAM	1	0	17.01	16.95	16.84	16.96	18	2
5	8QAM	1	24	16.98	17.03	16.92	17.04		
5	8QAM	12	0	15.98	16.03	15.94	15.98		
5	8QAM	12	7	16.00	15.94	15.97	15.84	17	3
5	8QAM	12	13	15.87	16.08	15.81	15.99		
5	8QAM	25	0	16.03	16.15	15.85	15.97		
5	256QAM	1	0	13.93	13.94	13.98	14.14	15	5
5	256QAM	1	12	14.05	13.98	13.95	13.95		
5	256QAM	1	24	13.99	13.94	13.85	14.03		
5	256QAM	12	0	14.01	14.07	13.94	14.03	15	5
5	256QAM	12	7	13.97	14.05	13.94	13.84		
5	256QAM	12	13	14.00	13.98	13.86	14.02		
5	256QAM	25	0	14.03	14.09	13.83	14.02	15	5

Band 38 Ant 3 DSI 3													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	23.43	23.52	23.48	24.5	0					
20	QPSK	1	49	23.38	23.45	23.38							
20	QPSK	1	99	23.40	23.40	23.37	23.5	1					
20	QPSK	50	0	22.37	22.57	22.43							
20	QPSK	50	24	22.34	22.49	22.37	23.5	1					
20	QPSK	50	50	22.41	22.42	22.33							
20	QPSK	100	0	22.46	22.52	22.50	23.5	1					
20	16QAM	1	0	22.44	22.54	22.47							
20	16QAM	1	49	22.38	22.51	22.36	23.5	1					
20	16QAM	1	99	22.39	22.39	22.34							
20	16QAM	50	0	21.36	21.56	21.36	22.5	2					
20	16QAM	50	24	21.36	21.54	21.35							
20	16QAM	50	50	21.42	21.43	21.29	22.5	2					
20	16QAM	100	0	21.40	21.53	21.47							
20	64QAM	1	0	21.50	21.56	21.43	22.5	2					
20	64QAM	1	49	21.43	21.52	21.36							
20	64QAM	1	99	21.33	21.41	21.31	21.5	3					
20	64QAM	50	0	20.39	20.58	20.44							
20	64QAM	50	24	20.35	20.54	20.32	19.5	5					
20	64QAM	50	50	20.41	20.47	20.31							
20	64QAM	100	0	20.48	20.58	20.45	19.5	5					
20	256QAM	1	0	18.32	18.52	18.37							
20	256QAM	1	49	18.40	18.46	18.40	19.5	5					
20	256QAM	1	99	18.44	18.37	18.35							
20	256QAM	50	0	18.46	18.48	18.46	19.5	5					
20	256QAM	50	24	18.45	18.58	18.42							
20	256QAM	50	50	18.43	18.54	18.34	19.5	5					
20	256QAM	100	0	18.38	18.42	18.29							
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				2577.5	2595	2612.5							
15	QPSK	1	0	23.29	23.45	23.45	24.5	0					
15	QPSK	1	37	23.31	23.38	23.27							
15	QPSK	1	74	23.36	23.27	23.32	23.5	1					
15	QPSK	36	0	22.25	22.47	22.32							
15	QPSK	36	20	22.31	22.41	22.29	23.5	1					
15	QPSK	36	39	22.27	22.36	22.22							
15	QPSK	75	0	22.42	22.47	22.40	23.5	1					
15	16QAM	1	0	22.33	22.40	22.39							
15	16QAM	1	37	22.31	22.38	22.25	23.5	1					
15	16QAM	1	74	22.27	22.31	22.25							
15	16QAM	36	0	21.27	21.45	21.27	22.5	2					
15	16QAM	36	20	21.28	21.45	21.28							
15	16QAM	36	39	21.29	21.37	21.24	22.5	2					
15	16QAM	75	0	21.32	21.43	21.45							
15	64QAM	1	0	21.41	21.49	21.30	22.5	2					
15	64QAM	1	37	21.35	21.39	21.32							
15	64QAM	1	74	21.25	21.29	21.26	21.5	3					
15	64QAM	36	0	20.32	20.51	20.32							
15	64QAM	36	20	20.32	20.48	20.23	19.5	5					
15	64QAM	36	39	20.37	20.36	20.20							
15	64QAM	75	0	20.40	20.51	20.37	19.5	5					
15	256QAM	1	0	18.20	18.41	18.33							
15	256QAM	1	37	18.30	18.38	18.34	19.5	5					
15	256QAM	1	74	18.32	18.28	18.30							
15	256QAM	36	0	18.39	18.41	18.43	19.5	5					
15	256QAM	36	20	18.35	18.50	18.32							
15	256QAM	36	39	18.39	18.44	18.23	19.5	5					
15	256QAM	75	0	18.27	18.35	18.25							
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	23.34	23.39	23.42	24.5	0					
10	QPSK	1	25	23.27	23.39	23.32							
10	QPSK	1	49	23.38	23.33	23.35	23.5	1					
10	QPSK	25	0	22.24	22.46	22.36							
10	QPSK	25	12	22.24	22.37	22.31	23.5	1					
10	QPSK	25	25	22.37	22.37	22.20							
10	QPSK	50	0	22.39	22.46	22.43	23.5	1					
10	16QAM	1	0	22.33	22.48	22.35							
10	16QAM	1	25	22.27	22.45	22.22	23.5	1					
10	16QAM	1	49	22.35	22.31	22.27							
10	16QAM	25	0	21.32	21.53	21.31	22.5	2					
10	16QAM	25	12	21.32	21.50	21.27							
10	16QAM	25	25	21.28	21.40	21.17	22.5	2					
10	16QAM	50	0	21.30	21.42	21.40							
10	64QAM	1	0	21.43	21.53	21.34	22.5	2					
10	64QAM	1	25	21.34	21.44	21.27							
10	64QAM	1	49	21.19	21.35	21.29	21.5	3					
10	64QAM	25	0	20.34	20.52	20.32							
10	64QAM	25	12	20.27	20.50	20.19	19.5	5					
10	64QAM	25	25	20.38	20.36	20.25							
10	64QAM	50	0	20.43	20.52	20.32	19.5	5					
10	256QAM	1	0	18.28	18.50	18.33							
10	256QAM	1	25	18.27	18.39	18.36	19.5	5					
10	256QAM	1	49	18.39	18.27	18.33							
10	256QAM	25	0	18.39	18.35	18.39	19.5	5					
10	256QAM	25	12	18.34	18.50	18.31							
10	256QAM	25	25	18.34	18.47	18.23	19.5	5					
10	256QAM	50	0	18.34	18.32	18.26							
Channel				37775	38000	38225	Tune-up limit (dBm)				MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	23.38	23.39	23.37	24.5	0					
5	QPSK	1	12	23.28	23.36	23.29							
5	QPSK	1	24	23.30	23.26	23.27	23.5	1					
5	QPSK	12	0	22.23	22.51	22.34							
5	QPSK	12	7	22.29	22.36	22.35	23.5	1					
5	QPSK	12	13	22.31	22.30	22.27							
5	QPSK	25	0	22.43	22.48	22.46	23.5	1					
5	16QAM	1	0	22.41	22.46	22.40							
5	16QAM	1	12	22.29	22.41	22.31	23.5	1					
5	16QAM	1	24	22.26	22.28	22.22							
5	16QAM	12	0	21.25	21.43	21.29	22.5	2					
5	16QAM	12	7	21.28	21.41	21.24							
5	16QAM	12	13	21.34	21.32	21.22	22.5	2					
5	16QAM	25	0	21.31	21.43	21.34							
5	64QAM	1	0	21.42	21.47	21.32	22.5	2					
5	64QAM	1	12	21.36	21.42	21.27							
5	64QAM	1	24	21.21	21.33	21.22	21.5	3					
5	64QAM	12	0	20.35	20.54	20.37							
5	64QAM	12	7	20.31	20.50	20.25	19.5	5					
5	64QAM	12	13	20.33	20.44	20.22							
5	64QAM	25	0	20.43	20.47	20.20	19.5	5					
5	256QAM	1	0	18.23	18.36	18.26							
5	256QAM	1	12	18.33	18.34	18.33	19.5	5					
5	256QAM	1	24	18.30	18.25	18.24							
5	256QAM	12	0	18.44	18.38	18.33	19.5	5					
5	256QAM	12	7	18.38	18.55	18.30							
5	256QAM	12	13	18.39	18.42	18.26	19.5	5					
5	256QAM	25	0	18.24	18.31	18.19							

Band 42 Part 27Q Ant 3 DSI 3										
BW [MHz]	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	20.46	20.47	20.22	21.5	0		
20	QPSK	1	49	20.42	20.41	20.19				
20	QPSK	1	99	20.42	20.46	20.19				
20	QPSK	50	0	19.47	19.47	19.21	20.5	1		
20	QPSK	50	24	19.44	19.42	19.20				
20	QPSK	50	50	19.46	19.42	19.20				
20	QPSK	100	0	19.37	19.41	19.16	20.5	1		
20	16QAM	1	0	19.41	19.41	19.19				
20	16QAM	1	49	19.46	19.47	19.19				
20	16QAM	1	99	19.46	19.50	19.23	19.5	2		
20	16QAM	50	0	18.51	18.45	18.26				
20	16QAM	50	24	18.41	18.43	18.25				
20	16QAM	50	50	18.46	18.44	18.24	19.5	2		
20	16QAM	100	0	18.38	18.36	18.19				
20	64QAM	1	0	18.38	18.43	18.08				
20	64QAM	1	49	18.32	18.32	18.35	19.5	2		
20	64QAM	1	99	18.37	18.35	18.08				
20	64QAM	50	0	17.35	17.41	17.16				
20	64QAM	50	24	17.29	17.39	17.12	18.5	3		
20	64QAM	50	50	17.35	17.34	17.16				
20	64QAM	100	0	17.22	17.38	17.03				
20	256QAM	1	0	15.40	15.43	15.27	16.5	5		
20	256QAM	1	49	15.37	15.42	15.24				
20	256QAM	1	99	15.39	15.42	15.23				
20	256QAM	50	0	15.37	15.39	15.05	16.5	5		
20	256QAM	50	24	15.37	15.33	15.16				
20	256QAM	50	50	15.40	15.30	15.16				
20	256QAM	100	0	15.27	15.32	15.08				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.46	20.46	20.18	21.5	0		
15	QPSK	1	37	20.39	20.39	20.11				
15	QPSK	1	74	20.32	20.32	20.39				
15	QPSK	36	0	19.46	19.45	19.20	20.5	1		
15	QPSK	36	20	19.39	19.32	19.12				
15	QPSK	36	39	19.41	19.34	19.09				
15	QPSK	75	0	19.28	19.40	19.06	20.5	1		
15	16QAM	1	0	19.41	19.40	19.14				
15	16QAM	1	37	19.42	19.39	19.17				
15	16QAM	1	74	19.36	19.47	19.19	19.5	2		
15	16QAM	36	0	18.41	18.41	18.25				
15	16QAM	36	20	18.29	18.39	18.19				
15	16QAM	36	39	18.37	18.34	18.21	19.5	2		
15	16QAM	75	0	18.27	18.32	18.14				
15	64QAM	1	0	18.28	18.36	18.01				
15	64QAM	1	37	18.30	18.30	18.02	19.5	2		
15	64QAM	1	74	18.36	18.26	18.07				
15	64QAM	36	0	17.26	17.32	17.08				
15	64QAM	36	20	17.25	17.27	17.04	18.5	3		
15	64QAM	36	39	17.27	17.31	17.05				
15	64QAM	75	0	17.13	17.26	17.00				
15	256QAM	1	0	15.31	15.37	15.24	16.5	5		
15	256QAM	1	37	15.27	15.37	15.18				
15	256QAM	1	74	15.32	15.34	15.12				
15	256QAM	36	0	15.33	15.33	15.22	16.5	5		
15	256QAM	36	20	15.33	15.22	15.07				
15	256QAM	36	39	15.40	15.27	15.07				
15	256QAM	75	0	15.24	15.23	15.00				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	20.38	20.42	20.16	21.5	0		
10	QPSK	1	25	20.31	20.31	20.15				
10	QPSK	1	49	20.33	20.43	20.12				
10	QPSK	25	0	19.41	19.38	19.18	20.5	1		
10	QPSK	25	12	19.41	19.37	19.21				
10	QPSK	25	25	19.36	19.41	19.11				
10	QPSK	50	0	19.27	19.39	19.06	20.5	1		
10	16QAM	1	0	19.40	19.33	19.17				
10	16QAM	1	25	19.39	19.36	19.14				
10	16QAM	1	49	19.35	19.48	19.16	19.5	2		
10	16QAM	25	0	18.41	18.39	18.17				
10	16QAM	25	12	18.40	18.40	18.18				
10	16QAM	25	25	18.44	18.38	18.15	19.5	2		
10	16QAM	50	0	18.29	18.36	18.12				
10	64QAM	1	0	18.28	18.35	18.00				
10	64QAM	1	25	18.29	18.29	18.02	18.5	2		
10	64QAM	1	49	18.29	18.28	18.02				
10	64QAM	25	0	17.35	17.37	17.07				
10	64QAM	25	12	17.17	17.25	17.04	18.5	3		
10	64QAM	25	25	17.27	17.30	17.14				
10	64QAM	50	0	17.13	17.24	16.96				
10	256QAM	1	0	15.37	15.40	15.15	16.5	5		
10	256QAM	1	25	15.27	15.32	15.18				
10	256QAM	1	49	15.32	15.34	15.19				
10	256QAM	25	0	15.33	15.29	14.99	16.5	5		
10	256QAM	25	12	15.36	15.21	15.13				
10	256QAM	25	25	15.32	15.24	15.09				
10	256QAM	50	0	15.25	15.26	15.00				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.42	20.43	20.22	21.5	0		
5	QPSK	1	12	20.38	20.33	20.21				
5	QPSK	1	24	20.39	20.34	20.09				
5	QPSK	12	0	19.43	19.37	19.17	20.5	1		
5	QPSK	12	7	19.41	19.38	19.13				
5	QPSK	12	13	19.40	19.35	19.10				
5	QPSK	25	0	19.29	19.32	19.09	20.5	1		
5	16QAM	1	0	19.37	19.34	19.08				
5	16QAM	1	12	19.42	19.44	19.19				
5	16QAM	1	24	19.42	19.40	19.13	19.5	2		
5	16QAM	12	0	18.47	18.40	18.23				
5	16QAM	12	7	18.30	18.42	18.22				
5	16QAM	12	13	18.37	18.43	18.12	18.5	3		
5	16QAM	25	0	18.31	18.30	18.08				
5	64QAM	1	0	18.36	18.41	18.02				
5	64QAM	1	12	18.23	18.27	18.06	19.5	2		
5	64QAM	1	24	18.30	18.25	18.04				
5	64QAM	12	0	17.26	17.41	17.10				
5	64QAM	12	7	17.23	17.19	17.01	16.5	5		
5	64QAM	12	13	17.33	17.24	17.09				
5	64QAM	25	0	17.16	17.24	17.04				
5	256QAM	1	0	15.32	15.33	15.16	16.5	5		
5	256QAM	1	12	15.26	15.38	15.22				
5	256QAM	1	24	15.37	15.34	15.17				
5	256QAM	12	0	15.37	15.27	15.02				
5	256QAM	12	7	15.25	15.29	15.16	16.5	5		
5	256QAM	12	13	15.33	15.38	15.19				
5	256QAM	25	0	15.22	15.24	15.06				

Reduced Power Mode for DSI4 Main PA

GSM850 Ant 1 DSI 4	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	824.2	836.4
Frequency (MHz)	124.2	124.2	124.2	124.2	124.2	124.2	124.2	124.2
GSM 1 Tx slot	32.24	32.26	32.24	33.50	23.24	23.26	23.24	24.50
GPRS 1 Tx slot	31.43	31.53	31.51	32.50	25.43	25.53	25.51	26.50
GPRS 2 Tx slots	29.67	29.75	29.77	31.00	25.41	25.49	25.51	26.74
GPRS 3 Tx slots	29.63	29.87	29.73	30.00	25.63	25.87	25.73	27.00
GPRS 4 Tx slots	26.87	26.99	26.94	28.00	17.87	17.99	17.94	19.00
EDGE 1 Tx slot	23.95	23.99	23.90	25.00	17.95	17.99	17.90	19.00
EDGE 2 Tx slots	22.09	22.15	22.13	23.20	17.83	17.89	17.87	18.94
EDGE 3 Tx slots	20.83	20.98	20.94	22.00	17.83	17.98	17.94	19.00
EDGE 4 Tx slots								

GSM1900 Ant 1 DSI 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	870		512	661	870	
TX Channel	1850.2	1860	1869.8	1850.2	1850.2	1860	1869.8	1850.2
Frequency (MHz)	28.16	29.45	29.43	30.50	20.16	20.45	20.43	21.50
GSM 1 Tx slot	29.31	29.38	29.36	30.50	20.31	20.38	20.36	21.50
GPRS 1 Tx slot	26.90	26.97	26.96	28.00	20.90	20.97	20.96	22.00
GPRS 2 Tx slots	24.90	24.95	24.98	26.20	20.94	20.99	20.93	21.94
GPRS 3 Tx slots	23.55	23.62	23.54	25.00	20.55	20.62	20.54	22.00
GPRS 4 Tx slots	25.84	25.90	25.81	27.00	18.84	18.90	18.81	18.00
EDGE 1 Tx slot	22.85	22.86	22.80	24.00	16.85	16.86	16.80	16.00
EDGE 2 Tx slots	21.02	21.08	21.01	22.20	16.76	16.82	16.75	17.94
EDGE 3 Tx slots	19.82	19.87	19.82	21.00	16.82	16.87	16.82	18.00
EDGE 4 Tx slots								

Band	WCDMA 3 Ant 1 DSI 4			Time-up Limit (dBm)	WCDMA 3 Ant 1 DSI 4			Time-up Limit (dBm)	WCDMA 3 Ant 1 DSI 4			Time-up Limit (dBm)
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Frequency (MHz)	9662	9600	9608	9662	1537	1608	1738	4357	4407	4458	4357	
SCPP Rel 99	AMR 12.2Kbps	18.62	19.00	18.83	20.00	18.53	18.90	18.83	20.00	24.35	24.45	24.55
SCPP Rel 99	RMSC 12.2Kbps	18.86	19.01	18.97	20.00	18.98	18.97	18.93	20.00	24.48	24.50	24.44
SCPP Rel 6	HSDPA Subtest-1	17.81	18.00	17.95	19.00	17.96	17.99	17.98	19.00	23.52	23.54	23.46
SCPP Rel 6	HSDPA Subtest-2	17.91	18.04	17.97	19.00	17.91	18.02	17.95	19.00	23.50	23.47	23.43
SCPP Rel 6	HSDPA Subtest-3	17.36	17.47	17.42	18.50	17.51	17.53	17.42	18.50	23.94	23.91	23.80
SCPP Rel 6	HSDPA Subtest-4	17.40	17.54	17.42	18.50	17.47	17.49	17.38	18.50	23.01	22.98	22.91
SCPP Rel 8	DC-HSDPA Subtest-1	17.84	18.06	17.92	19.00	17.96	18.01	17.96	19.00	23.46	23.56	23.41
SCPP Rel 8	DC-HSDPA Subtest-2	17.84	17.97	17.94	19.00	17.99	18.02	17.94	19.00	23.47	23.53	23.46
SCPP Rel 8	DC-HSDPA Subtest-3	17.33	17.51	17.42	18.50	17.50	17.46	17.40	18.50	23.01	23.04	22.94
SCPP Rel 8	DC-HSDPA Subtest-4	17.36	17.52	17.52	18.50	17.44	17.44	17.45	18.50	23.01	23.01	22.97
SCPP Rel 6	HSPA Subtest-1	17.85	17.95	18.00	19.00	18.00	17.96	17.90	19.00	23.49	23.52	23.42
SCPP Rel 6	HSPA Subtest-2	15.83	16.00	15.96	17.00	15.98	15.95	15.92	17.00	21.46	21.50	21.41
SCPP Rel 6	HSPA Subtest-3	16.83	17.02	16.92	18.00	16.98	16.98	16.93	18.00	22.51	22.48	22.38
SCPP Rel 6	HSPA Subtest-4	15.90	16.01	16.03	17.00	15.98	16.01	15.95	17.00	21.46	21.51	21.45
SCPP Rel 6	HSPA Subtest-5	17.87	18.01	18.00	19.00	17.90	17.96	17.88	19.00	23.45	23.49	23.49
SCPP Rel 7	HSPA+ (16QAM) Subtest-1	15.33	15.48	15.52	16.50	15.41	15.44	15.46	16.50	20.96	21.01	20.97

Band 2 Ant 1 DSI 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.95	19.03	19.02	20	0						
20	QPSK	1	49	18.83	19.01	18.98								
20	QPSK	1	99	18.91	19.01	18.84								
20	QPSK	50	24	18.83	19.09	18.88								
20	QPSK	50	50	18.87	18.93	18.82	20	0						
20	QPSK	100	0	18.92	18.99	18.83								
20	QPSK	50	0	18.85	19.07	18.89								
20	QPSK	50	24	18.79	18.93	18.84								
20	HQAM	1	99	18.84	18.85	18.70	20	0						
20	HQAM	1	0	18.97	18.97	18.77								
20	HQAM	50	24	18.77	18.95	18.81								
20	HQAM	50	50	18.81	18.80	18.72								
20	HQAM	100	0	18.86	18.85	18.77	20	0						
20	HQAM	1	0	18.89	18.98	18.90								
20	HQAM	1	49	18.78	18.84	18.77								
20	HQAM	50	0	18.86	18.89	18.78								
20	SSQAM	1	99	17.88	17.87	17.82	19	1						
20	SSQAM	50	0	17.88	18.01	17.82								
20	SSQAM	50	24	17.84	18.00	17.89								
20	SSQAM	50	50	17.85	17.88	17.87								
20	SSQAM	100	0	17.89	17.84	17.88	19	1						
20	SSQAM	100	0	17.89	17.88	17.78								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.93	18.92	18.86	20	0						
15	QPSK	1	37	18.73	18.90	18.70								
15	QPSK	1	74	18.86	18.83	18.78								
15	QPSK	36	0	18.79	18.97	18.71								
15	QPSK	36	36	18.71	18.92	18.74	20	0						
15	QPSK	36	36	18.80	18.85	18.70								
15	QPSK	75	0	18.81	18.86	18.69								
15	QPSK	75	0	18.76	18.94	18.78								
15	HQAM	1	37	18.72	18.81	18.55	20	0						
15	HQAM	1	0	18.79	18.84	18.68								
15	HQAM	36	0	18.77	18.90	18.73								
15	HQAM	36	20	18.63	18.84	18.67								
15	HQAM	36	36	18.69	18.73	18.65	20	0						
15	HQAM	75	0	18.81	18.77	18.74								
15	HQAM	1	0	18.78	18.91	18.83								
15	HQAM	1	0	18.84	18.84	18.71								
15	HQAM	1	74	18.92	18.99	18.97	20	0						
15	HQAM	36	0	18.73	18.86	18.78								
15	HQAM	36	36	18.78	18.78	18.70								
15	HQAM	36	36	18.73	18.79	18.61								
15	SSQAM	1	37	17.74	17.96	17.70	19	1						
15	SSQAM	1	74	17.85	17.74	17.75								
15	SSQAM	36	0	18.25	18.91	18.68								
15	SSQAM	36	20	17.81	17.92	17.85								
15	SSQAM	36	36	17.80	17.75	17.73	19	1						
15	SSQAM	75	0	17.84	17.91	17.78								
15	SSQAM	75	0	17.85	17.85	17.68								
15	SSQAM	75	0	17.85	17.85	17.68								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.81	18.89	18.69	20	0						
10	QPSK	1	25	18.77	18.88	18.74								
10	QPSK	1	49	18.90	18.86	18.66								
10	QPSK	18	0	18.78	18.86	18.71								
10	QPSK	25	12	18.72	18.95	18.73	20	0						
10	QPSK	25	25	18.74	18.89	18.73								
10	QPSK	50	0	18.79	18.89	18.66								
10	HQAM	1	0	18.79	18.89	18.86								
10	HQAM	1	25	18.72	18.85	18.84	20	0						
10	HQAM	1	18	18.72	18.74	18.68								
10	HQAM	25	0	18.80	18.89	18.75								
10	HQAM	25	12	18.64	18.90	18.74								
10	HQAM	25	12	18.76	18.73	18.68	20	0						
10	HQAM	50	0	18.73	18.80	18.75								
10	HQAM	1	0	18.81	18.87	18.78								
10	HQAM	1	0	18.84	18.82	18.64								
10	HQAM	1	49	18.84	18.89	18.59	20	0						
10	HQAM	25	0	18.79	18.95	18.75								
10	HQAM	25	12	18.68	18.78	18.75								
10	HQAM	25	25	18.69	18.76	18.62								
10	HQAM	50	0	18.71	18.84	18.67	20	0						
10	SSQAM	1	0	17.65	17.90	17.62								
10	SSQAM	1	25	17.71	17.97	17.72								
10	SSQAM	1	49	17.78	17.74	17.73								
10	SSQAM	1	49	17.78	17.74	17.73	19	1						
10	SSQAM	1	49	17.78	17.74	17.73								
10	SSQAM	25	12	17.80	17.87	17.76								
10	SSQAM	25	25	17.75	17.76	17.73								
10	SSQAM	50	0	17.65	17.85	17.68	19	1						
10	SSQAM	50	0	17.65	17.85	17.68								
10	SSQAM	50	0	17.65	17.85	17.68								
10	SSQAM	50	0	17.65	17.85	17.68								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.82	18.85	18.69	20	0						
5	QPSK	1	12	18.81	18.98	18.74								
5	QPSK	1	24	18.81	18.87	18.74								
5	QPSK	1	24	18.86	18.88	18.75								
5	QPSK	8	0	18.76	18.90	18.73	20	0						
5	QPSK	8	8	18.75	18.83	18.78								
5	QPSK	16	0	18.87	18.96	18.71								
5	QPSK	1	0	18.80	18.93	18.81								
5	HQAM	1	0	18.77	18.97	18.81	20	0						
5	HQAM	1	12	18.79	18.92	18.79								
5	HQAM	1	14	18.79	18.78	18.63								
5	HQAM	8	0	18.73	18.93	18.86								
5	HQAM	8	8	18.79	18.79	18.62	20	0						
5	HQAM	8	7	18.68	18.75	18.58								
5	HQAM	1	0	18.73	18.72	18.59								
5	HQAM	1	0	18.87	18.87	18.62								
5	HQAM	1	8	18.64	18.89	18.58	20	0						
5	HQAM	1	14	18.75	18.76	18.57								
5	HQAM	1	14	18.77	18.73	18.54								
5	HQAM	8	0	18.61	18.83	18.72								
5	HQAM	8	0	18.77	18.77	18.62	20	0						
5	HQAM	15	0	18.69	18.84	18.66								
5	SSQAM	1	0	17.63	18.02	17.77								
5	SSQAM	1	0	17.67	18.06	17.67								
5	SSQAM	1	14	17.74	17.85	17.75	19	1						
5	SSQAM	8	0	17.62	17.85	17.73								
5	SSQAM	8	7	17.68	17.88	17.68								
5	SSQAM	8	7	17.74	17.83	17.84								
5	SSQAM	15	0	17.64	17.83	17.74	19	1						
5	SSQAM	15	0	17.64	17.83	17.74								
Channel														
Frequency (MHz)														
4.4	QPSK	1	0	18.91	18.89	18.84	20	0						
4.4	QPSK	1	0	18.92	18.92	18.77								
4.4	QPSK	1	0	18.90	18.92	18.75								
4.4	QPSK	8	0	18.86	18.93	18.78								
4.4	QPSK	8	0	18.75	18.93	18.78	20	0						
4.4	QPSK	8	0	18.76	18.90	18.75								
4.4	QPSK	15	0	18.87	18.96	18.71								
4.4	QPSK	1	0	18.80	18.93	18.81								
4.4	HQAM	1	0	18.77	18.97	18.81	20	0						
4.4	HQAM	1	14	18.79	18.78	18.63								
4.4	HQAM	8	0	18.73	18.93	18.86								
4.4	HQAM	8	7	18.68	18.75	18.58								
4.4	HQAM	1	0	18.73	18.72	18.59	20	0						
4.4	HQAM	1	0	18.87	18.87	18.62								
4.4	HQAM	1	8	18.64	18.89	18.58								
4.4	HQAM	1	14	18.75	18.76	18.57								
4.4	HQAM	1	14	18.77	18.73	18.54	20	0						
4.4	HQAM	8	0	18.61	18.83	18.72								
4.4	HQAM	8	0	18.77	18.77	18.62								
4.4	HQAM	15	0	18.69	18.84	18.66								
4.4	SSQAM	1	0	17.63	18.02	17.77	19	1						
4.4	SSQAM	1	0	17.67	18.06	17.67								
4.4	SSQAM	1	14	17.74	17.85	17.75								
4.4	SSQAM	8	0	17.62	17.85	17.73								
4.4	SSQAM	8	7	17.68	17.88	17.68	19	1						
4.4	SSQAM	8	7	17.74	17.83	17.84								
4.4	SSQAM	15	0	17.64	17.83	17.74								
4.4	SSQAM	15	0	17.64	17.83	17.74								
Channel														
Frequency (MHz)														
4.4	QPSK	1	0	18.91	18.89	18.84	20	0						
4.4	QPSK	1	0	18.92	18.92	18.77								
4.4	QPSK	1	0	18.90	18.92	18.75								
4.4	QPSK	8	0	18.86	18.93	18.78								
4.4	QPSK	8	0	18.75	18.93	18.78	20	0						
4.4	QPSK	8	0	18.76	18.90	18.75								
4.4	QPSK	15	0	18.87	18.96	18.71								
4.4	QPSK	1	0	18.80	18.93	18.81								
4.4	HQAM	1	0	18.77	18.97	18.81	20	0						
4.4	HQAM	1	14	18.79	18.78	18.63								
4.4	HQAM	8	0	18.73	18.93	18.86								
4.4	HQAM	8	7	18.68	18.75	18.58								
4.4	HQAM	1	0	18.73	18.72	18.59	20	0						
4.4	HQAM	1	0	18.87	18.87	18.62								
4.4	HQAM	1	8	18.64	18.89	18.58								
4.4	HQAM	1	14	18.75	18.76	18.57								
4.4	HQAM	1	14	18.77	18.73	18.54	20	0						
4.4	HQAM	8	0	18.61	18.83	18.72								
4.4	HQAM	8	0	18.77	18.77	18.62								
4.4	HQAM	15	0	18.69	18.84	18.66								
4.4	SSQAM	1	0	17.63	18.02	17.77	19	1						
4.4	SSQAM	1	0	17.67	18.06	17.67								
4.4	SSQAM	1	14	17.74	17.85	17.75								
4.4	SSQAM	8	0	17.62	17.85	17.73								
4.4	SSQAM	8	7	17.68	17.88	17.68								

Band 7 Ant 1 DSI 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.88	18.93	18.94	20	0						
20	QPSK	1	40	18.81	18.83	18.74								
20	QPSK	1	80	18.78	18.87	18.79	20	0						
20	QPSK	50	0	18.77	18.85	18.80								
20	QPSK	50	24	18.78	18.86	18.82	20	0						
20	QPSK	50	50	18.86	18.84	18.85								
20	HQAM	1	0	18.83	18.80	18.77	20	0						
20	HQAM	1	40	18.70	18.81	18.70								
20	HQAM	1	80	18.67	18.74	18.76	20	0						
20	HQAM	50	0	18.66	18.80	18.69								
20	HQAM	50	24	18.69	18.72	18.73	20	0						
20	HQAM	50	50	18.72	18.79	18.76								
20	HQAM	100	0	18.73	18.78	18.78	20	0						
20	25QAM	1	0	18.38	18.40	18.31								
20	25QAM	1	40	18.34	18.31	18.17	19.5	0.5						
20	25QAM	1	80	18.21	18.36	18.27								
20	25QAM	50	0	18.27	18.38	18.28	19.5	0.5						
20	25QAM	50	24	18.28	18.38	18.23								
20	25QAM	50	50	18.26	18.32	18.33	19.5	0.5						
20	25QAM	100	0	18.32	18.33	18.33								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.84	18.90	18.71	20	0						
15	QPSK	1	37	18.74	18.76	18.68								
15	QPSK	1	74	18.70	18.78	18.66	20	0						
15	QPSK	36	0	18.70	18.78	18.66								
15	QPSK	36	30	18.67	18.79	18.77	20	0						
15	QPSK	36	39	18.73	18.80	18.73								
15	QPSK	75	0	18.83	18.81	18.71	20	0						
15	HQAM	1	0	18.79	18.76	18.65								
15	HQAM	1	37	18.63	18.78	18.59	20	0						
15	HQAM	1	74	18.63	18.76	18.65								
15	HQAM	36	0	18.65	18.74	18.67	20	0						
15	HQAM	36	20	18.67	18.63	18.62								
15	HQAM	75	0	18.76	18.61	18.70	20	0						
15	HQAM	1	0	18.65	18.70	18.74								
15	HQAM	1	74	18.64	18.65	18.64	20	0						
15	HQAM	1	74	18.65	18.64	18.60								
15	HQAM	36	0	18.62	18.80	18.58	20	0						
15	HQAM	36	39	18.67	18.69	18.63								
15	HQAM	36	39	18.67	18.65	18.73	19.5	0.5						
15	HQAM	75	0	18.71	18.70	18.63								
15	25QAM	1	0	18.58	18.58	18.58	19.5	0.5						
15	25QAM	1	37	18.30	18.29	18.03								
15	25QAM	1	74	18.18	18.30	18.16	19.5	0.5						
15	25QAM	36	0	18.28	18.28	18.28								
15	25QAM	36	30	18.21	18.33	18.10	19.5	0.5						
15	25QAM	36	39	18.16	18.27	18.28								
15	25QAM	75	0	18.16	18.23	18.18	19.5	0.5						
15	25QAM	1	0	18.10	18.20	18.10								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.80	18.79	18.79	20	0						
10	QPSK	1	25	18.75	18.79	18.68								
10	QPSK	1	40	18.68	18.79	18.67	20	0						
10	QPSK	1	75	18.72	18.76	18.74								
10	QPSK	25	12	18.68	18.80	18.73	20	0						
10	QPSK	25	25	18.68	18.72	18.73								
10	HQAM	1	0	18.75	18.74	18.73	20	0						
10	HQAM	1	25	18.59	18.71	18.59								
10	HQAM	1	50	18.61	18.63	18.71	20	0						
10	HQAM	25	0	18.58	18.89	18.65								
10	HQAM	25	12	18.66	18.65	18.65	20	0						
10	HQAM	25	12	18.66	18.62	18.68								
10	HQAM	50	0	18.74	18.67	18.61	20	0						
10	HQAM	1	0	18.75	18.61	18.74								
10	HQAM	1	25	18.63	18.64	18.62	20	0						
10	HQAM	1	40	18.54	18.70	18.58								
10	HQAM	25	0	18.53	18.77	18.52	20	0						
10	HQAM	25	10	18.58	18.70	18.64								
10	HQAM	25	25	18.68	18.65	18.68	19.5	0.5						
10	HQAM	50	0	18.73	18.64	18.55								
10	25QAM	1	0	18.30	18.33	18.22	19.5	0.5						
10	25QAM	1	25	18.27	18.27	18.02								
10	25QAM	1	40	18.18	18.25	18.13	19.5	0.5						
10	25QAM	25	0	18.21	18.21	18.21								
10	25QAM	25	12	18.18	18.25	18.13	19.5	0.5						
10	25QAM	25	25	18.24	18.23	18.25								
10	25QAM	50	0	18.10	18.20	18.10	19.5	0.5						
10	25QAM	1	0	18.03	18.21	18.03								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.81	18.81	18.72	20	0						
5	QPSK	1	12	18.73	18.81	18.63								
5	QPSK	1	24	18.69	18.78	18.71	20	0						
5	QPSK	12	0	18.72	18.80	18.65								
5	QPSK	12	7	18.66	18.72	18.75	20	0						
5	QPSK	12	13	18.71	18.83	18.80								
5	HQAM	1	0	18.84	18.75	18.70	20	0						
5	HQAM	1	0	18.77	18.70	18.67								
5	HQAM	1	12	18.67	18.78	18.62	20	0						
5	HQAM	1	24	18.56	18.65	18.71								
5	HQAM	12	0	18.63	18.89	18.62	20	0						
5	HQAM	12	7	18.66	18.62	18.66								
5	HQAM	12	13	18.63	18.76	18.70	20	0						
5	HQAM	25	0	18.67	18.48	18.60								
5	HQAM	1	0	18.70	18.76	18.67	20	0						
5	HQAM	1	10	18.70	18.60	18.54								
5	HQAM	1	24	18.67	18.69	18.58	20	0						
5	HQAM	12	0	18.60	18.76	18.55								
5	HQAM	12	7	18.68	18.69	18.71	20	0						
5	HQAM	12	13	18.65	18.76	18.70								
5	HQAM	25	0	18.67	18.48	18.60	20	0						
5	HQAM	1	0	18.70	18.76	18.67								
5	HQAM	1	12	18.64	18.75	18.58	20	0						
5	HQAM	1	24	18.52	18.62	18.68								
5	25QAM	1	0	18.24	18.18	18.06	19.5	0.5						
5	25QAM	1	12	18.24	18.18	18.06								
5	25QAM	1	24	18.13	18.28	18.28	19.5	0.5						
5	25QAM	12	0	18.22	18.22	18.22								
5	25QAM	12	7	18.20	18.22	18.18	19.5	0.5						
5	25QAM	12	13	18.21	18.23	18.21								

Band 17 Ant 1 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.36	24.37	24.38			
15	QPSK	25	0	24.30	24.35	24.35	25.5	0	
10	QPSK	1	49	24.22	24.23	24.18			
10	QPSK	25	0	23.34	23.35	23.36			
10	QPSK	25	12	23.28	23.34	23.17	24.5	1	
10	QPSK	25	25	23.26	23.25	23.07			
10	QPSK	50	0	23.29	23.34	23.36			
10	QPSK	1	0	23.25	23.32	23.27			
10	HQAM	1	25	23.26	23.30	23.18	24.5	1	
10	HQAM	1	49	23.24	23.22	23.12			
10	HQAM	25	0	22.34	22.28	22.30			
10	HQAM	25	12	22.28	22.30	22.18	23.5	2	
10	HQAM	25	25	22.26	22.31	22.17			
10	HQAM	50	0	22.16	22.30	22.22			
10	HQAM	1	0	22.33	22.36	22.22			
10	HQAM	1	25	22.26	22.29	22.23	23.5	2	
10	HQAM	1	49	22.24	22.14	22.05			
10	HQAM	25	0	21.27	21.45	21.31			
10	HQAM	25	12	21.23	21.34	21.21	22.5	3	
10	HQAM	25	25	21.24	21.28	21.13			
10	HQAM	50	0	21.19	21.33	21.27			
10	HQAM	1	0	20.30	20.33	20.30			
10	HQAM	1	25	19.25	19.36	19.18	20.5	5	
10	HQAM	1	49	19.30	19.30	19.17			
10	HQAM	25	0	19.27	19.32	19.28			
10	HQAM	25	12	19.30	19.36	19.24	20.5	5	
10	HQAM	25	25	19.35	19.35	19.12			
10	HQAM	50	0	19.23	19.27	19.23			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.30	24.23	24.26			
5	QPSK	1	12	24.26	24.29	24.18	25.5	0	
5	QPSK	1	24	24.20	24.21	24.08			
5	QPSK	12	0	23.20	23.33	23.26			
5	QPSK	12	7	23.23	23.24	23.05	24.5	1	
5	QPSK	12	13	23.18	23.19	22.84			
5	QPSK	25	0	23.25	23.25	23.07			
5	HQAM	1	0	23.21	23.26	23.18			
5	HQAM	1	12	23.20	23.17	23.15	24.5	1	
5	HQAM	1	24	23.14	23.20	23.04			
5	HQAM	12	0	22.24	22.24	22.11			
5	HQAM	12	7	22.19	22.17	22.15	23.5	2	
5	HQAM	12	13	22.24	22.21	22.15			
5	HQAM	25	0	22.09	22.38	22.11			
5	HQAM	1	0	22.21	22.28	22.12	23.5	2	
5	HQAM	1	12	22.24	22.21	22.15			
5	HQAM	1	24	22.15	22.10	21.95			
5	HQAM	12	0	21.24	21.36	21.25			
5	HQAM	12	7	21.16	21.32	21.14	22.5	3	
5	HQAM	12	13	21.10	21.14	21.03			
5	HQAM	25	0	21.09	21.25	21.17			
5	HQAM	1	0	19.30	19.36	19.22			
5	HQAM	1	12	19.23	19.28	19.05	20.5	5	
5	HQAM	1	24	19.21	19.18	18.86			
5	HQAM	12	0	19.16	19.16	18.92			
5	HQAM	12	7	19.19	19.34	19.19	20.5	5	
5	HQAM	12	13	19.32	19.29	18.84			
5	HQAM	25	0	19.17	19.21	19.17			

Band 26 Ant 1 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.38	24.41	24.39			
15	QPSK	1	37	24.24	24.35	24.30	25.5	0	
15	QPSK	1	74	24.30	24.35	24.22			
15	QPSK	36	0	23.41	23.48	23.36			
15	QPSK	36	25	23.35	23.34	23.35	24.5	1	
15	QPSK	36	39	23.27	23.39	23.26			
15	QPSK	75	0	23.41	23.34	23.36			
15	HQAM	1	0	23.38	23.42	23.35			
15	HQAM	1	37	23.31	23.28	23.35	24.5	1	
15	HQAM	1	74	23.25	23.32	23.28			
15	HQAM	36	0	22.38	22.37	22.39			
15	HQAM	36	20	22.26	22.37	22.34	23.5	2	
15	HQAM	36	39	22.52	22.39	22.15			
15	HQAM	75	0	22.27	22.32	22.46			
15	HQAM	1	0	22.29	22.38	22.25	23.5	2	
15	HQAM	1	37	22.27	22.33	22.30			
15	HQAM	1	74	22.29	22.27	22.27	23.5	2	
15	HQAM	36	0	21.29	21.42	21.44			
15	HQAM	36	20	21.19	21.25	21.45	22.5	3	
15	HQAM	36	39	21.20	21.45	21.25			
15	HQAM	75	0	21.35	21.31	21.30			
15	HQAM	1	0	19.29	19.42	19.45			
15	HQAM	1	37	19.24	19.29	19.35	20.5	5	
15	HQAM	1	74	19.26	19.39	19.24			
15	HQAM	36	0	19.40	19.40	19.27			
15	HQAM	36	20	19.37	19.37	19.40	20.5	5	
15	HQAM	36	39	19.46	19.28	19.29			
15	HQAM	75	0	19.23	19.29	19.12			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.24	24.30	24.34			
10	QPSK	1	25	24.12	24.24	24.36	25.5	0	
10	QPSK	1	49	24.23	24.29	24.17			
10	QPSK	25	0	23.31	23.42	23.32			
10	QPSK	25	12	23.17	23.23	23.31	24.5	1	
10	QPSK	25	25	23.14	23.29	23.13			
10	HQAM	1	0	23.35	23.22	23.29			
10	HQAM	1	25	23.26	23.38	23.31	24.5	1	
10	HQAM	1	49	23.24	23.23	23.27			
10	HQAM	1	74	23.27	23.27	23.27	23.5	2	
10	HQAM	25	0	22.32	22.33	22.36			
10	HQAM	25	12	22.18	22.29	22.30	23.5	2	
10	HQAM	25	25	22.26	22.29	22.26			
10	HQAM	50	0	22.18	22.20	22.28			
10	HQAM	1	0	22.35	22.33	22.14	23.5	2	
10	HQAM	1	25	22.23	22.35	22.35			
10	HQAM	1	49	22.23	22.10	22.25			
10	HQAM	25	0	21.30	21.40	21.34	22.5	3	
10	HQAM	25	12	21.15	21.45	21.25			
10	HQAM	25	25	21.15	21.43	21.25	22.5	3	
10	HQAM	50	0	21.22	21.20	21.16			
10	HQAM	1	0	19.33	19.38	19.33			
10	HQAM	1	25	19.20	19.20	19.25	20.5	5	
10	HQAM	1	49	19.18	19.35	19.10			
10	HQAM	25	0	19.36	19.31	19.25			
10	HQAM	25	12	19.25	19.29	19.36	20.5	5	
10	HQAM	25	25	19.32	19.15	19.22			
10	HQAM	50	0	19.29	19.20	19.12			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.11	24.24	24.32			
5	QPSK	1	12	24.20	24.32	24.35	25.5	0	
5	QPSK	1	24	24.17	24.30	24.12			
5	QPSK	12	0	23.37	23.46	23.32			
5	QPSK	12	7	23.13	23.22	23.30	24.5	1	
5	QPSK	12	13	23.20	23.31	23.12			
5	HQAM	1	0	23.23	23.24	23.21			
5	HQAM	1	0	23.29	23.40	23.25			
5	HQAM	1	12	23.22	23.18	23.21	24.5	1	
5	HQAM	1	24	23.22	23.28	23.25			
5	HQAM	12	0	22.31	22.28	22.29			
5	HQAM	12	7	22.15	22.25	22.22	23.5	2	
5	HQAM	12	13	22.26	22.29	22.25			
5	HQAM	25	0	22.17	22.22	22.28			
5	HQAM	1	0	22.35	22.31	22.19	23.5	2	
5	HQAM	1	12	22.18	22.25	22.23			
5	HQAM	1	24	22.21	22.14	22.25			
5	HQAM	12	0	21.27	21.34	21.38			
5	HQAM	12	7	21.23	21.20	21.25	22.5	3	
5	HQAM	12	13	21.07	21.39	21.26			
5	HQAM	25	0	21.27	21.24	21.25			
5	HQAM	1	0	19.28	19.33	19.35			
5	HQAM	1	12	19.20	19.24	19.22	20.5	5	
5	HQAM	1	24	19.23	19.31	19.25			
5	HQAM	12	0	19.33	19.31	19.25			
5	HQAM	12	7	19.27	19.24	19.33	20.5	5	
5	HQAM	12	13	19.35	19.14	19.23			
5	HQAM	25	0	19.22	19.26	19.14			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.13	24.23	24.32			
3	QPSK	1	8	24.14	24.23	24.28	25.5	0	
3	QPSK	1	14	24.15	24.24	24.23			
3	QPSK	8	0	23.41	23.47	23.44			
3	QPSK	8	4	23.38	23.48	23.39	24.5	1	
3	QPSK	8	4	23.15	23.34	23.32			
3	QPSK	15	0	23.23	23.35	23.26			
3	HQAM	1	0	23.31	23.33	23.31			
3	HQAM	1	0	23.38	23.17	23.21	24.5	1	
3	HQAM	1	8	23.38	23.38	23.34			
3	HQAM	8	0	22.27	22.27	22.27			
3	HQAM	8	4	22.27	22.27	22.27	23.5	2	
3	HQAM	15	0	22.22	22.33	22.25			
3	HQAM	8	0	22.22	22.33	22.25			
3	HQAM	8	8	22.16	22.25	22.18	23.5	2	
3	HQAM	14	0	22.27	22.24	22.23			
3	HQAM	14	8	22.26	22.18	22.22			
3	HQAM	8	4	21.16	21.18	21.18	22.5	3	
3	HQAM	8	7	21.13	21.30	21.21			
3	HQAM	14	0	20.26	20.27	20.27			
3	HQAM	8	0	19.26	19.34	19.41			
3	HQAM	8	8	19.18	19.19	19.34	20.5	5	
3	HQAM	14	0	19.27	19.32	19.32			
3	HQAM	8	0	19.32	19.32	19.25			
3	HQAM	8	4	19.28	19.24	19.38	20.5	5	
3	HQAM	14	0	19.27	19.27	19.28			
3	HQAM	15	0	19.22	19.25	19.19			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.20	24.33	24.26			
1.4	QPSK	1	3	24.14	24.31	24.20	25.5	0	
1.4	QPSK	1	5	24.22	24.29	24.20			
1.4	QPSK	1	10	24.24	24.24	24.24			
1.4	QPSK	3	0	24.05	24.19	24.10			
1.4	QPSK	3	1	24.17	24.14	24.10	24.5	1	
1.4	QPSK	3	2	24.18	24.18	24.18			
1.4	HQAM	1	0	23.25	23.35	23.30			
1.4	HQAM	1	0	23.19	23.29	23.23	24.5	1	
1.4	HQAM	1	1	23.21	23.21	23.17			
1.4	HQAM	1	1	23.15	23.15	23.15	24.5	1	
1.4	HQAM	1	0	23.32	23.19	23.17			
1.4	HQAM	3	0	22.22	22.29	22.24	23.5	2	
1.4	HQAM	3	0	22.26	22.26	22.12			
1.4	HQAM	3	0	22.21	22.25	22.17			
1.4	HQAM	3	5	22.28	22.18	22.24	23.5	2	
1.4	HQAM	3	7	22.18	22.14	22.09			
1.4	HQAM	6	0	21.27	21.27	21.27	22.5	3	
1.4	QPSK	3	0	19.37	19.19	19.25			
1.4	QPSK	3	1	19.18	19.15	19.25	20.5	5	
1.4	QPSK	3	2	19.21	19.21	19.21			
1.4	QPSK	3	0	19.34	19.37	19.25			
1.4	QPSK	3	1	19.25	19.30	19.31			
1.4	QPSK	3	2	19.27	19.28	19.28	20.5	5	
1.4	QPSK	6	0	19.25	19.21	19.11	20.5	5	

GSM850 Ant 4 DSI 4		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up
TX Channel		512	519	251	512	519	251	Limit
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.40	32.46	32.45	33.50	23.40	23.46	23.45
GPRS 1 Tx slot		32.40	32.41	32.38	33.50	23.40	23.41	23.38
GPRS 2 Tx slots		31.45	31.36	31.31	32.50	25.45	25.36	25.31
GPRS 3 Tx slots		29.67	29.61	29.61	31.00	25.41	25.35	25.35
GPRS 4 Tx slots		28.73	28.79	28.68	30.00	25.73	25.79	25.68
EDGE 1 Tx slot		26.86	26.93	26.89	28.00	17.86	17.93	17.89
EDGE 2 Tx slots		23.82	23.96	23.89	25.30	17.82	17.96	17.96
EDGE 3 Tx slots		22.08	22.11	22.07	23.20	17.82	17.85	17.81
EDGE 4 Tx slots		20.89	20.93	20.84	22.00	17.89	17.93	17.84

GSM1900 Ant 4 DSI 4		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up
TX Channel		512	661	810	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	(dBm)
GSM 1 Tx slot		26.93	27.04	26.98	28.00	17.93	18.04	17.96
GPRS 1 Tx slot		26.63	27.65	27.00	28.00	17.83	18.05	18.00
GPRS 2 Tx slots		24.17	24.10	24.18	25.00	18.17	18.10	18.18
GPRS 3 Tx slots		22.00	22.08	22.10	23.20	17.74	17.82	17.84
GPRS 4 Tx slots		20.88	20.92	20.86	22.00	17.88	17.92	17.86
EDGE 1 Tx slot		24.82	24.87	24.83	26.00	15.82	15.87	15.83
EDGE 2 Tx slots		21.81	21.82	21.79	23.00	15.81	15.92	15.79
EDGE 3 Tx slots		20.03	20.07	20.02	21.20	15.77	15.81	15.76
EDGE 4 Tx slots		18.88	18.87	18.87	20.00	15.88	15.87	15.87

Band		WCDMA 8 Ant 4 DSI 4			WCDMA 1V Ant 4 DSI 4			WCDMA V Ant 4 DSI 4			Tune-up
TX Channel		9262	9400	9538	1312	1413	1513	4152	4182	4233	Limit
Re Channel		9262	9600	9638	1637	1638	1718	4197	4407	4453	(dBm)
Frequency (MHz)		1852.4	1980	1907.8	1712.4	1732.6	1752.6	826.4	836.4	846.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	17.45	17.54	17.41	18.50	18.64	18.79	18.64	19.50	23.25	23.42
3GPP Rel 99	RM-C 12.2Kbps	17.55	17.62	17.58	18.50	18.82	18.87	18.75	19.50	23.43	23.49
3GPP Rel 6	HSDPA Subtest-1	16.52	16.61	16.63	17.50	17.86	17.92	17.72	18.50	22.48	22.46
3GPP Rel 6	HSDPA Subtest-2	16.50	16.58	16.61	17.50	17.82	17.91	17.79	18.50	22.45	22.54
3GPP Rel 6	HSDPA Subtest-3	16.10	16.15	16.03	17.00	17.30	17.32	17.27	18.00	21.90	21.97
3GPP Rel 6	HSDPA Subtest-4	16.08	16.12	16.12	17.00	17.27	17.42	17.22	18.00	21.88	21.99
3GPP Rel 6	DCHSDPA Subtest-1	16.50	16.67	16.59	17.50	17.77	17.92	17.72	18.50	22.42	22.43
3GPP Rel 6	DCHSDPA Subtest-2	16.61	16.57	16.61	17.50	17.88	17.88	17.80	18.50	22.38	22.52
3GPP Rel 6	DCHSDPA Subtest-3	16.05	16.13	16.07	17.00	17.35	17.36	17.25	18.00	21.89	22.00
3GPP Rel 6	DCHSDPA Subtest-4	16.04	16.07	16.06	17.00	17.31	17.37	17.24	18.00	21.90	22.00
3GPP Rel 6	HSPA Subtest-1	16.50	16.64	16.63	17.50	17.83	17.84	17.70	18.50	22.44	22.55
3GPP Rel 6	HSPA Subtest-2	14.59	14.61	14.54	15.50	15.82	15.89	15.74	16.50	20.38	20.53
3GPP Rel 6	HSPA Subtest-3	15.52	15.68	15.53	16.50	16.78	16.82	16.79	17.50	21.44	21.43
3GPP Rel 6	HSPA Subtest-4	14.60	14.57	14.58	15.50	15.88	15.71	15.70	16.50	20.40	20.46
3GPP Rel 6	HSPA Subtest-5	16.59	16.67	16.61	17.50	17.94	17.82	17.72	18.50	22.39	22.44
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.01	14.08	14.04	15.00	15.30	15.36	15.29	16.00	19.91	19.96

Band 7 Ant 3 DSI 4									
BW (MHz)	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	21100	21550	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.68	20.75	20.64	21.5	0	
20	QPSK	1	49	20.60	20.63	20.59			
20	QPSK	1	99	20.58	20.67	20.53			
20	QPSK	50	0	20.61	20.71	20.62	21.5	0	
20	QPSK	50	24	20.64	20.64	20.51			
20	QPSK	50	50	20.59	20.68	20.54			
20	QPSK	100	0	20.56	20.69	20.59	21.5	0	
20	16QAM	1	0	20.63	20.67	20.58			
20	16QAM	1	49	20.63	20.63	20.46			
20	16QAM	1	99	20.51	20.59	20.40	21.5	0	
20	16QAM	50	0	20.57	20.67	20.59			
20	16QAM	50	24	20.56	20.59	20.37			
20	16QAM	50	50	20.57	20.64	20.45	21.5	0	
20	16QAM	100	0	20.47	20.66	20.50			
20	64QAM	1	0	20.63	20.65	20.57	21.5	0	
20	64QAM	1	49	20.46	20.55	20.48			
20	64QAM	1	99	20.54	20.64	20.44			
20	64QAM	50	0	20.55	20.67	20.49	21.5	0	
20	64QAM	50	24	20.50	20.52	20.47			
20	64QAM	50	50	20.46	20.66	20.51			
20	64QAM	100	0	20.44	20.56	20.53	19.5	2	
20	256QAM	1	0	18.70	18.71	18.64			
20	256QAM	1	49	18.58	18.68	18.53			
20	256QAM	1	99	18.54	18.64	18.48	19.5	2	
20	256QAM	50	0	18.60	18.72	18.65			
20	256QAM	50	24	18.58	18.67	18.54			
20	256QAM	50	50	18.64	18.66	18.50	21.5	0	
20	256QAM	100	0	18.56	18.68	18.64			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.54	20.63	20.54	21.5	0	
15	QPSK	1	37	20.51	20.52	20.53			
15	QPSK	1	74	20.49	20.58	20.46			
15	QPSK	36	0	20.52	20.59	20.55	21.5	0	
15	QPSK	36	20	20.58	20.55	20.48			
15	QPSK	36	39	20.54	20.63	20.50			
15	QPSK	75	0	20.46	20.59	20.53	21.5	0	
15	16QAM	1	0	20.59	20.60	20.47			
15	16QAM	1	37	20.45	20.50	20.40			
15	16QAM	1	74	20.39	20.51	20.29	21.5	0	
15	16QAM	36	0	20.63	20.55	20.47			
15	16QAM	36	20	20.42	20.46	20.31			
15	16QAM	36	39	20.45	20.53	20.41	21.5	0	
15	16QAM	75	0	20.38	20.56	20.39			
15	64QAM	1	0	20.52	20.60	20.49	21.5	0	
15	64QAM	1	37	20.38	20.41	20.39			
15	64QAM	1	74	20.49	20.54	20.31			
15	64QAM	36	0	20.43	20.58	20.46	21.5	0	
15	64QAM	36	20	20.46	20.50	20.45			
15	64QAM	36	39	20.38	20.54	20.44			
15	64QAM	75	0	20.37	20.46	20.46	19.5	2	
15	256QAM	1	0	18.68	18.63	18.54			
15	256QAM	1	37	18.65	18.60	18.47			
15	256QAM	1	74	18.51	18.53	18.40	19.5	2	
15	256QAM	36	0	18.53	18.64	18.54			
15	256QAM	36	20	18.44	18.60	18.46			
15	256QAM	36	39	18.60	18.58	18.39	21.5	0	
15	256QAM	75	0	18.48	18.55	18.54			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.55	20.69	20.59	21.5	0	
10	QPSK	1	25	20.57	20.58	20.56			
10	QPSK	1	49	20.56	20.63	20.42			
10	QPSK	25	0	20.52	20.64	20.49	21.5	0	
10	QPSK	25	12	20.52	20.61	20.41			
10	QPSK	25	25	20.49	20.63	20.49			
10	QPSK	50	0	20.54	20.63	20.45	21.5	0	
10	16QAM	1	0	20.52	20.56	20.52			
10	16QAM	1	25	20.49	20.44	20.40			
10	16QAM	1	49	20.44	20.55	20.38	21.5	0	
10	16QAM	25	0	20.53	20.54	20.46			
10	16QAM	25	12	20.44	20.57	20.27			
10	16QAM	25	25	20.48	20.54	20.33	21.5	0	
10	16QAM	50	0	20.36	20.63	20.37			
10	64QAM	1	0	20.49	20.59	20.55			
10	64QAM	1	25	20.42	20.53	20.35	21.5	0	
10	64QAM	1	49	20.46	20.58	20.35			
10	64QAM	25	0	20.42	20.59	20.44			
10	64QAM	25	12	20.39	20.42	20.41	19.5	2	
10	64QAM	25	25	20.39	20.63	20.47			
10	64QAM	50	0	20.36	20.53	20.50			
10	256QAM	1	0	18.61	18.67	18.59	19.5	2	
10	256QAM	1	25	18.45	18.56	18.44			
10	256QAM	1	49	18.45	18.62	18.45			
10	256QAM	25	0	18.52	18.61	18.62	19.5	2	
10	256QAM	25	12	18.56	18.60	18.46			
10	256QAM	25	25	18.59	18.59	18.41			
10	256QAM	50	0	18.45	18.61	18.52	21.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.56	20.66	20.59		21.5	
5	QPSK	1	12	20.52	20.51	20.54			
5	QPSK	1	24	20.54	20.65	20.44			
5	QPSK	12	0	20.49	20.61	20.50	21.5	0	
5	QPSK	12	7	20.59	20.52	20.39			
5	QPSK	12	13	20.55	20.62	20.47			
5	QPSK	25	0	20.43	20.62	20.51	21.5	0	
5	16QAM	1	0	20.52	20.63	20.54			
5	16QAM	1	12	20.50	20.42	20.36			
5	16QAM	1	24	20.49	20.51	20.32	21.5	0	
5	16QAM	12	0	20.50	20.61	20.52			
5	16QAM	12	7	20.51	20.51	20.31			
5	16QAM	12	13	20.55	20.51	20.33	21.5	0	
5	16QAM	25	0	20.42	20.57	20.41			
5	64QAM	1	0	20.58	20.55	20.47			
5	64QAM	1	12	20.34	20.45	20.43	21.5	0	
5	64QAM	1	24	20.44	20.54	20.32			
5	64QAM	12	0	20.52	20.54	20.40			
5	64QAM	12	7	20.44	20.40	20.38	21.5	0	
5	64QAM	12	13	20.33	20.56	20.40			
5	64QAM	25	0	20.35	20.52	20.42			
5	256QAM	1	0	18.62	18.61	18.56	19.5	2	
5	256QAM	1	12	18.44	18.64	18.49			
5	256QAM	1	24	18.40	18.56	18.37			
5	256QAM	12	0	18.49	18.59	18.59	19.5	2	
5	256QAM	12	7	18.50	18.64	18.51			
5	256QAM	12	13	18.54	18.57	18.36			
5	256QAM	25	0	18.54	18.61	18.60			

Band 2 Ant 4 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Turn-on Time (s)	APR (dB)			
				Low 18900	High 18900	Low 18900	High 18900					
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.00	17.10	17.10	17.10					
20	QPSK	1	48	17.03	17.15	17.04	17.16	18	0			
20	QPSK	50	0	17.03	17.15	17.15	17.15					
20	QPSK	50	48	17.08	17.17	17.07	17.17					
20	QPSK	50	24	17.03	17.08	17.11	17.11	18	0			
20	QPSK	50	72	17.03	17.08	17.04	17.04					
20	QPSK	500	0	17.08	17.11	17.07	17.10					
20	QPSK	1	0	17.05	17.08	17.08	17.08	18	0			
20	QPSK	50	0	17.05	17.08	17.10	17.10					
20	QPSK	50	48	17.05	17.08	17.07	17.07					
20	QPSK	50	24	17.05	17.03	17.04	17.03	18	0			
20	QPSK	500	0	17.02	17.04	17.03	17.03					
20	QPSK	50	72	17.02	17.03	17.03	17.03					
20	QPSK	1	48	16.96	17.04	16.95	17.00	18	0			
20	QPSK	1	96	16.96	17.01	17.11	17.11					
20	QPSK	50	50	16.97	17.05	16.97	17.05					
20	QPSK	50	24	16.92	17.06	16.93	17.07					
20	QPSK	50	72	16.91	17.06	16.93	17.06					
20	QPSK	50	50	16.97	17.05	16.97	17.05					
20	25QPSK	1	0	17.06	17.09	17.14	17.14					
20	25QPSK	1	48	17.03	17.13	17.03	17.13					
20	25QPSK	50	0	17.08	17.13	17.08	17.13					
20	25QPSK	50	48	17.03	17.13	17.03	17.13					
20	25QPSK	50	69	16.99	16.98	16.97	16.97					
20	25QPSK	500	0	16.98	17.07	16.97	17.06	Interp- Inp (dB)	MPR (dB)			
Channel												
Frequency (MHz)												
16	QPSK	1	0	17.00	17.07	16.92	17.05					
16	QPSK	1	24	16.92	17.08	17.03	17.03					
16	QPSK	1	96	16.95	17.11	17.11	17.11					
16	QPSK	36	0	17.02	17.14	16.99	17.06	18	0			
16	QPSK	36	24	17.02	17.07	17.03	17.03					
16	QPSK	36	96	17.07	17.07	17.03	17.03					
16	QPSK	75	0	17.02	16.99	17.01	17.01	18	0			
16	QPSK	1	37	16.95	17.05	16.95	17.05					
16	QPSK	1	74	16.98	16.98	17.04	17.04	18	0			
16	QPSK	36	24	16.97	17.03	16.97	17.03					
16	QPSK	36	20	16.97	16.95	17.02	17.02					
16	QPSK	36	96	17.04	16.97	16.98	17.01					
16	QPSK	75	0	16.94	16.98	16.97	16.97	18	0			
16	QPSK	1	0	17.09	17.10	16.95	16.95					
16	QPSK	1	37	16.95	16.93	16.96	16.96					
16	QPSK	36	0	16.99	17.02	17.03	17.03					
16	QPSK	36	0	16.93	17.13	16.93	17.07					
16	QPSK	36	20	16.99	16.99	16.95	16.95					
16	QPSK	36	96	16.99	16.98	17.02	17.02					
16	QPSK	75	0	16.98	17.06	16.95	16.95	18	0			
16	25QPSK	1	0	16.97	16.98	17.09	17.09					
16	25QPSK	1	48	16.91	17.07	17.07	17.07					

Band 4 Ant 4 DSI 4												
RF (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. 1 200500	Power Level Ch. 2 201750	Power Level Ch. 3 203000	Power Level Ch. 4 204250	Turn-on Time (ms)	Turn-off Time (ms)	APRS (dB)		
Frequency (MHz)												
20	QPSK	1	0	18.02	18.02	18.02	18.02					
20	QPSK	1	49	18.03	18.06	18.06	18.06	19	0			
20	QPSK	1	98	18.04	18.08	18.08	18.08					
20	QPSK	50	0	18.02	18.15	18.15	18.15					
20	QPSK	50	24	18.03	18.06	18.06	18.06	19	0			
20	QPSK	50	49	18.04	18.07	18.07	18.07					
20	QPSK	100	0	18.04	18.10	18.10	18.10					
20	QPSK	100	24	18.05	18.09	18.09	18.09	19	0			
20	QPSK	100	49	18.06	18.12	18.12	18.12					
20	QPSK	150	0	18.04	18.08	18.08	18.08	19	0			
20	QPSK	150	24	18.05	18.10	18.10	18.10					
20	QPSK	150	49	18.06	18.12	18.12	18.12					
20	QPSK	200	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	200	24	17.98	17.99	17.99	17.99					
20	QPSK	200	49	17.99	18.00	18.00	18.00					
20	QPSK	250	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	250	24	17.98	17.99	17.99	17.99					
20	QPSK	250	49	17.99	18.00	18.00	18.00					
20	QPSK	300	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	300	24	17.98	17.99	17.99	17.99					
20	QPSK	300	49	17.99	18.00	18.00	18.00					
20	QPSK	350	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	350	24	17.98	17.99	17.99	17.99					
20	QPSK	350	49	17.99	18.00	18.00	18.00					
20	QPSK	400	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	400	24	17.98	17.99	17.99	17.99					
20	QPSK	400	49	17.99	18.00	18.00	18.00					
20	QPSK	450	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	450	24	17.98	17.99	17.99	17.99					
20	QPSK	450	49	17.99	18.00	18.00	18.00					
20	QPSK	500	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	500	24	17.98	17.99	17.99	17.99					
20	QPSK	500	49	17.99	18.00	18.00	18.00					
20	QPSK	550	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	550	24	17.98	17.99	17.99	17.99					
20	QPSK	550	49	17.99	18.00	18.00	18.00					
20	QPSK	600	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	600	24	17.98	17.99	17.99	17.99					
20	QPSK	600	49	17.99	18.00	18.00	18.00					
20	QPSK	650	0	17.97	17.98	17.98	17.98	19	0			
20	QPSK	650	24	17.98	17.99	17.99	17.99					

Band 5 Ant 4 DSI 4												
RV (MHz)	Modulation	RB Size	RB Offset	Power Low Dn (Tx) [dBm]	Power Mid Dn (Tx) [dBm]	Power High Dn (Tx) [dBm]	Turn-up time (min)	APRS (dB)				
Channel												
Frequency (MHz)												
16	QPSK	1	0	23.45	23.57	23.48						
16	QPSK	1	25	23.37	23.49	23.43	24.5	0				
16	QPSK	8	40	23.37	23.49	23.43						
16	QPSK	25	9	23.40	23.44	23.40						
16	QPSK	25	12	23.40	23.49	23.43	24.5	0				
16	QPSK	25	26	23.39	23.47	23.38						
16	QPSK	30	9	23.42	23.48	23.42						
16	16QAM	1	0	23.38	23.46	23.43						
16	16QAM	1	25	23.38	23.46	23.43	24.5	0				
16	16QAM	1	40	23.31	23.48	23.38						
16	16QAM	25	0	23.40	23.49	23.44						
16	16QAM	25	25	23.39	23.46	23.40	23.5	1				
16	16QAM	25	26	23.38	23.45	23.39						
16	16QAM	50	0	23.48	23.52	23.38						
16	16QAM	50	25	23.43	23.46	23.40						
16	16QAM	1	25	23.33	23.26	23.41	23.5	1				
16	16QAM	1	40	23.34	23.20	23.42						
16	16QAM	25	0	23.37	23.29	23.37						
16	16QAM	25	12	21.38	21.51	21.45	22.5	2				
16	16QAM	25	26	21.45	21.41	21.38						
16	QPSK	25	9	23.43	23.49	23.39						
16	256QAM	1	0	19.42	19.52	19.34	20.5	4				
16	256QAM	1	25	19.43	19.47	19.37						
16	256QAM	1	40	19.34	19.48	19.42						
16	256QAM	25	0	19.42	19.49	19.44						
16	256QAM	25	25	19.43	19.44	19.34	20.5	5				
16	256QAM	25	26	19.37	19.44	19.35						
16	256QAM	50	0	19.32	19.45	19.34						
Channel												
Frequency (MHz)												
5	QPSK	1	0	626.5	636.5	636.5						
5	QPSK	1	0	23.33	23.43	23.33	24.5	0				
5	QPSK	1	24	23.37	23.42	23.37						
5	QPSK	12	0	23.39	23.49	23.32						
5	QPSK	12	12	23.33	23.42	23.33	24.5	0				
5	QPSK	12	13	23.33	23.40	23.29						
5	QPSK	25	0	23.38	23.45	23.38						
5	16QAM	1	0	23.37	23.42	23.37						
5	16QAM	1	12	23.35	23.28	23.30	24.5	0				
5	16QAM	1	24	23.38	23.42	23.27						
5	16QAM	12	0	23.33	23.37	23.37						
5	16QAM	12	7	22.28	22.50	22.27	23.5	1				
5	16QAM	12	13	22.31	22.28	22.16						
5	16QAM	25	0	22.45	22.45	22.36						
5	16QAM	1	0	22.38	22.31	22.31						
5	16QAM	1	12	22.38	22.23	22.41	23.5	1				
5	16QAM	1	24	22.31	22.21	22.37						
5	16QAM	12	0	21.31	21.58	21.31						
5	16QAM	12	7	21.25	21.41	21.36	22.5	2				
5	16QAM	12	13	21.27	21.39	21.31						
5	16QAM	25	0	21.37	21.43	21.27						
5	256QAM	1	0	19.40	19.43	19.22	20.5	4				
5	256QAM	1	0	19.31	19.36	19.36						
5	256QAM	1	24	19.27	19.36	19.31						
5	256QAM	12	0	19.35	19.40	19.37						
5	256QAM	12	13	19.34	19.34	19.30	2					
Channel												
Frequency (MHz)												
14	QPSK	1	0	23.32	23.47	23.46						
14	QPSK	1	3	23.28	23.38	23.45						
14	QPSK	1	5	23.34	23.45	23.27	24.5	0				
14	QPSK	3	0	23.37	23.43	23.34						
14	QPSK	3	1	23.37	23.42	23.38						
14	QPSK	3	3	23.29	23.43	23.32						
14	QPSK	3	5	23.39	23.49	23.31	24.5	0				
14	16QAM	1	0	23.24	23.38	23.35						
14	16QAM	1	3	23.23	23.33	23.26						
14	16QAM	3	0	23.21	23.33	23.33						
14	16QAM	3	0	23.10	23.30	23.19	24.5	0				
14	16QAM	3	1	23.15	23.37	23.22						
14	16QAM	6	0	23.26	23.41	23.31	23.5	1				
14	16QAM	6	0	23.22	22.32	22.43						
14	16QAM	1	3	23.28	22.52	22.50						
14	16QAM	1	5	22.24	22.46	22.38	23.5	1				
14	16QAM	3	0	22.50	22.27	22.40						
14	16QAM	3	1	22.15	22.19	22.20						
14	256QAM	1	0	19.35	19.39	19.22						
14	256QAM	1	3	19.41	19.35	19.34	20.5	4				
14	256QAM	3	0	19.28	19.38	19.37						
14	256QAM	3	1	19.39	19.32	19.31						
14	256QAM	6	0	19.31	19.41	19.27						
14	256QAM	6	0	19.28	19.38	19.23	20.5	4				

Band 7 Ant 4 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.93	16.99	16.90				
20	QPSK	1	40	16.70	16.90	16.87	18.5	0		
20	QPSK	1	80	16.83	16.92	16.76				
20	QPSK	50	0	16.88	16.97	16.86				
20	QPSK	50	24	16.84	16.89	16.83	18.5	0		
20	QPSK	50	50	16.83	16.92	16.80				
20	QPSK	100	0	16.82	16.91	16.84				
20	16QAM	1	0	16.90	16.98	16.80				
20	16QAM	1	40	16.70	16.87	16.76	18.5	0		
20	16QAM	1	80	16.80	16.80	16.89				
20	16QAM	50	0	16.77	16.92	16.78				
20	16QAM	50	24	16.70	16.85	16.72	18.5	0		
20	16QAM	50	50	16.74	16.80	16.74				
20	16QAM	100	0	16.73	16.83	16.70				
20	256QAM	1	0	16.74	16.85	16.84				
20	256QAM	1	40	16.71	16.84	16.74	18.5	0		
20	256QAM	1	80	16.72	16.86	16.65				
20	256QAM	50	0	16.80	16.92	16.82				
20	256QAM	50	24	16.73	16.80	16.74	18.5	0		
20	256QAM	50	50	16.71	16.88	16.68				
20	256QAM	100	0	16.75	16.79	16.75				
Channel										
Frequency (MHz)										
16	QPSK	1	0	16.91	16.95	16.86				
16	QPSK	1	37	16.72	16.83	16.81	18.5	0		
16	QPSK	1	74	16.70	16.87	16.66				
16	QPSK	36	0	16.80	16.85	16.81				
16	QPSK	36	20	16.72	16.80	16.73	18.5	0		
16	QPSK	36	36	16.77	16.82	16.67				
16	QPSK	75	0	16.79	16.86	16.76				
16	16QAM	1	0	16.87	16.78	16.77				
16	16QAM	1	37	16.61	16.76	16.76	18.5	0		
16	16QAM	1	74	16.69	16.75	16.59				
16	16QAM	36	0	16.74	16.88	16.70				
16	16QAM	36	20	16.64	16.82	16.63	18.5	0		
16	16QAM	36	36	16.68	16.75	16.68				
16	16QAM	75	0	16.62	16.71	16.71				
16	16QAM	1	0	16.77	16.80	16.64	18.5	0		
16	16QAM	1	37	16.65	16.76	16.68				
16	16QAM	1	74	16.55	16.72	16.62				
16	16QAM	36	0	16.65	16.73	16.70				
16	16QAM	36	20	16.73	16.68	16.65	18.5	0		
16	16QAM	36	36	16.65	16.75	16.69				
16	16QAM	75	0	16.74	16.69	16.78				
16	256QAM	1	0	16.67	16.87	16.67				
16	256QAM	1	37	16.64	16.70	16.70	18.5	0		
16	256QAM	1	74	16.65	16.72	16.61				
16	256QAM	36	0	16.68	16.80	16.64				
16	256QAM	36	20	16.67	16.73	16.63	18.5	0		
16	256QAM	36	36	16.68	16.85	16.65				
16	256QAM	75	0	16.68	16.67	16.67				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.93	16.93	16.80				
10	QPSK	1	26	16.76	16.79	16.81	18.5	0		
10	QPSK	1	49	16.71	16.87	16.67				
10	QPSK	12	0	16.82	16.86	16.83				
10	QPSK	25	12	16.82	16.81	16.79	18.5	0		
10	QPSK	25	25	16.78	16.83	16.71				
10	QPSK	50	0	16.79	16.84	16.80				
10	16QAM	1	0	16.87	16.77	16.74				
10	16QAM	1	26	16.71	16.78	16.67	18.5	0		
10	16QAM	1	49	16.76	16.76	16.68				
10	16QAM	12	0	16.70	16.89	16.70				
10	16QAM	25	0	16.70	16.88	16.70				
10	16QAM	25	12	16.70	16.73	16.65	18.5	0		
10	16QAM	25	25	16.65	16.74	16.67				
10	16QAM	50	0	16.65	16.73	16.76				
10	16QAM	1	0	16.75	16.78	16.65	18.5	0		
10	16QAM	1	26	16.67	16.83	16.71				
10	16QAM	12	0	16.70	16.88	16.78				
10	16QAM	12	7	16.67	16.78	16.72	18.5	0		
10	16QAM	12	13	16.67	16.78	16.72				
10	16QAM	25	0	16.67	16.70	16.73				
10	16QAM	1	0	16.73	16.83	16.70	18.5	0		
10	16QAM	1	15	16.60	16.73	16.72				
10	16QAM	1	24	16.65	16.78	16.61				
10	16QAM	12	0	16.72	16.82	16.76				
10	16QAM	12	7	16.64	16.75	16.76	18.5	0		
10	16QAM	12	13	16.67	16.78	16.72				
10	16QAM	25	0	16.70	16.87	16.71				
10	16QAM	25	0	16.66	16.81	16.81	18.5	0		
10	256QAM	1	12	16.59	16.79	16.67				
10	256QAM	1	24	16.61	16.74	16.69	18.5	0		
10	256QAM	12	0	16.70	16.89	16.61				
10	256QAM	12	7	16.65	16.70	16.60	18.5	0		
10	256QAM	12	13	16.69	16.79	16.57				
10	256QAM	25	0	16.67	16.69	16.70				

Band 12 Ant 4 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 25005	Power High Ch / Freq. 25055	Power High Ch / Freq. 25135	Turnup Int. (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.41	24.55	24.37				
10	QPSK	1	25	24.38	24.54	24.28	25.5	0		
10	QPSK	1	40	24.33	24.53	24.31				
10	QPSK	25	0	23.43	23.49	23.32	24.5	1		
10	QPSK	25	12	23.40	23.49	23.25				
10	QPSK	25	25	23.32	23.48	23.24				
10	QPSK	50	0	23.25	23.51	23.27	24.5	1		
10	QPSK	50	0	23.43	23.51	23.39				
10	16QAM	1	25	23.39	23.54	23.30	24.5	1		
10	16QAM	1	40	23.28	23.51	23.27				
10	16QAM	1	60	22.45	22.55	22.30				
10	16QAM	25	12	22.42	22.55	22.38	23.5			
10	16QAM	25	25	22.27	22.47	22.26				
10	16QAM	50	0	22.32	22.56	22.36				
10	16QAM	1	0	22.43	22.57	22.43				
10	16QAM	1	25	22.26	22.50	22.27	23.5			
10	16QAM	1	40	22.38	22.52	22.35				
10	16QAM	25	0	21.40	21.48	21.18				
10	16QAM	25	12	21.41	21.47	21.15	22.5			
10	16QAM	25	25	21.31	21.48	21.15				
10	16QAM	50	0	21.36	21.57	21.32				
10	256QAM	1	0	19.45	19.56	19.39				
10	256QAM	1	25	19.32	19.55	19.29	20.5			
10	256QAM	1	40	19.33	19.54	19.27				
10	256QAM	1	60	19.33	19.46	19.26				
10	256QAM	25	12	19.43	19.48	19.37	20.5			
10	256QAM	25	25	19.31	19.46	19.19				
10	256QAM	50	0	19.30	19.45	19.23				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.36	24.54	24.27				
5	QPSK	1	12	24.27	24.51	24.19	25.5	0		
5	QPSK	1	24	24.27	24.42	24.24				
5	QPSK	12	0	23.37	23.51	23.28				
5	QPSK	12	7	23.33	23.42	23.30	24.5	1		
5	QPSK	12	13	23.25	23.41	23.23				
5	QPSK	25	0	23.33	23.49	23.29				
5	QPSK	25	0	23.42	23.41	23.25				
5	16QAM	1	12	23.39	23.47	23.24	24.5	1		
5	16QAM	1	24	23.25	23.42	23.26				
5	16QAM	12	0	22.34	22.54	22.30				
5	16QAM	12	7	22.37	22.47	22.35	23.5	2		
5	16QAM	12	13	22.22	22.42	22.26				
5	16QAM	25	0	22.23	22.48	22.30				
5	16QAM	1	0	22.36	22.48	22.37				
5	16QAM	1	12	22.26	22.41	22.25	23.5	2		
5	16QAM	1	24	22.17	22.47	22.23				
5	16QAM	12	0	21.46	21.46	21.21	22.5	3		
5	16QAM	12	7	21.31	21.38	21.28				
5	16QAM	12	13	21.24	21.44	21.20				
5	16QAM	25	0	21.36	21.46	21.26				
5	256QAM	1	0	19.45	19.50	19.25				
5	256QAM	1	12	19.22	19.49	19.22	20.5			
5	256QAM	1	24	19.33	19.49	19.23				
5	256QAM	12	0	19.41	19.45	19.35	20.5			
5	256QAM	12	7	19.41	19.41	19.30				
5	256QAM	12	13	19.27	19.37	19.25				
5	256QAM	25	0	19.33	19.48	19.25				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.32	24.51	24.34				
3	QPSK	1	8	24.33	24.42	24.24	25.5	0		
3	QPSK	1	14	24.23	24.43	24.22				
3	QPSK	8	0	23.37	23.51	23.28				
3	QPSK	8	8	23.34	23.42	23.23	24.5	1		
3	QPSK	8	14	23.24	23.41	23.14				
3	QPSK	16	0	23.37	23.50	23.27				
3	QPSK	16	0	23.40	23.50	23.29				
3	16QAM	1	8	23.36	23.49	23.21	24.5	1		
3	16QAM	1	14	23.27	23.47	23.20				
3	16QAM	8	0	22.39	22.46	22.21				
3	16QAM	8	8	22.33	22.51	22.30	23.5	2		
3	16QAM	8	14	22.30	22.37	22.26				
3	16QAM	16	0	22.31	22.51	22.27				
3	16QAM	1	0	22.38	22.47	22.42				
3	16QAM	1	8	22.30	22.37	22.28	23.5	2		
3	16QAM	1	14	22.22	22.40	22.27				
3	16QAM	8	0	21.37	21.46	21.31	22.5			
3	16QAM	8	8	21.32	21.42	21.21				
3	16QAM	8	14	21.22	21.45	21.20				
3	256QAM	1	0	19.43	19.46	19.18	20.5			
3	256QAM	1	8	19.32	19.32	19.19				
3	256QAM	1	14	19.31	19.49	19.25				
3	256QAM	8	0	19.40	19.46	19.28	20.5			
3	256QAM	8	8	19.25	19.46	19.12				
3	256QAM	8	14	19.30	19.39	19.15				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.37	24.55	24.37				
1.4	QPSK	1	8	24.32	24.53	24.29	25.5	0		
1.4	QPSK	1	14	24.33	24.46	24.21				
1.4	QPSK	3	0	24.37	24.48	24.15				
1.4	QPSK	3	14	24.24	24.48	24.22	24.5	1		
1.4	QPSK	3	28	24.32	24.52	24.29				
1.4	16QAM	1	0	23.36	23.39	23.27	24.5	1		
1.4	16QAM	1	14	23.28	23.40	23.22				
1.4	16QAM	1	28	23.17	23.48	23.19				
1.4	16QAM	3	0	23.42	23.46	23.30				
1.4	16QAM	3	14	23.35	23.52	23.27	23.5			
1.4	16QAM	3	28	23.24	23.52	23.27				
1.4	16QAM	1	0	22.32	22.54	22.34				
1.4	16QAM	1	14	22.30	22.43	22.29	23.5			
1.4	16QAM	1	28	22.23	22.50	22.28				
1.4	16QAM	3	0	22.41	22.49	22.38				
1.4	16QAM	3	14	22.48	22.47	22.32	23.5	2		
1.4	16QAM	3	28	22.33	22.48	22.32				
1.4	16QAM	1	0	21.30	21.54	21.21	22.5	3		
1.4	16QAM	1	14	21.34	21.50	21.23				
1.4	16QAM	1	28	21.26	21.53	21.20				
1.4	256QAM	1	0	19.21	19.51	19.18	20.5			
1.4	256QAM	1	14	19.25	19.45	19.20				
1.4	256QAM	1	28	19.25	19.45	19.25				
1.4	256QAM	3	0	19.26	19.44	19.27	20.5			

Band 17 Ant 4 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Init. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.48	24.52			25.5	0		
10	QPSK	1	25	24.38	24.48	24.52						
10	QPSK	1	49	24.36	24.47	24.52						
10	QPSK	25	0	23.37	23.48	23.50						
10	QPSK	25	12	23.39	23.48	23.54			24.5	1		
10	QPSK	25	25	23.39	23.46	23.57						
10	QPSK	50	0	23.35	23.44	23.52						
10	QPSK	1	0	23.37	23.52	23.38						
10	HQAM	1	25	23.40	23.46	23.51			24.5	1		
10	HQAM	1	49	23.37	23.47	23.57						
10	HQAM	25	0	22.42	22.46	22.50						
10	HQAM	25	12	22.35	22.45	22.40						
10	HQAM	25	25	22.41	22.49	22.54			23.5	2		
10	HQAM	50	0	22.34	22.41	22.57						
10	HQAM	1	0	22.44	22.47	22.57						
10	HQAM	1	25	22.36	22.49	22.54						
10	HQAM	1	49	22.40	22.44	22.54			22.5	3		
10	HQAM	25	0	21.32	21.48	21.57						
10	HQAM	25	12	21.36	21.53	21.62						
10	HQAM	25	25	21.35	21.48	21.41						
10	HQAM	50	0	21.36	21.47	21.58			20.5	5		
10	HQAM	1	0	19.40	19.46	19.50						
10	HQAM	1	25	19.34	19.45	19.50						
10	HQAM	1	49	19.39	19.47	19.58						
10	HQAM	25	0	19.43	19.45	19.54			20.5	5		
10	HQAM	25	12	19.43	19.42	19.58						
10	HQAM	25	25	19.38	19.45	19.58						
10	HQAM	50	0	19.37	19.44	19.52						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.32	24.48	24.36			25.5	0		
5	QPSK	1	12	24.30	24.42	24.31						
5	QPSK	1	24	24.36	24.39	24.37						
5	QPSK	12	0	23.33	23.40	23.21						
5	QPSK	12	7	23.32	23.48	23.37			24.5	1		
5	QPSK	12	13	23.32	23.36	23.31						
5	QPSK	25	0	23.24	23.37	23.33						
5	QPSK	1	0	23.33	23.45	23.31						
5	HQAM	1	12	23.28	23.38	23.23			24.5	1		
5	HQAM	1	24	23.31	23.42	23.29						
5	HQAM	12	0	22.33	22.46	22.29						
5	HQAM	12	7	22.27	22.41	22.32						
5	HQAM	12	13	22.33	22.44	22.35			23.5	2		
5	HQAM	25	0	22.34	22.31	22.17						
5	HQAM	1	0	22.43	22.38	22.17						
5	HQAM	1	24	22.29	22.40	22.27						
5	HQAM	12	0	21.22	21.37	21.23			22.5	3		
5	HQAM	12	7	21.32	21.43	21.36						
5	HQAM	12	13	21.34	21.36	21.34						
5	HQAM	25	0	21.29	21.35	21.27						
5	HQAM	1	0	19.29	19.40	19.31			20.5	5		
5	HQAM	1	12	19.25	19.34	19.25						
5	HQAM	1	24	19.35	19.37	19.26						
5	HQAM	12	0	19.35	19.35	19.31						
5	HQAM	12	7	19.29	19.40	19.35			20.5	5		
5	HQAM	12	13	19.28	19.33	19.27						
5	HQAM	25	0	19.25	19.38	19.34						
5	HQAM	25	0	19.25	19.38	19.34						

Band 26 Ant 4 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 26165	Power Mid Ch / Freq 26166	Power High Ch / Freq 26167	Turn-up Init. (dB)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.42	24.50	24.47			25.5	0		
15	QPSK	1	37	24.38	24.53	24.43						
15	QPSK	1	74	24.36	24.51	24.45						
15	QPSK	36	0	23.45	23.48	23.46						
15	QPSK	36	12	23.39	23.45	23.43			24.5	1		
15	QPSK	36	39	23.36	23.45	23.43						
15	QPSK	75	0	23.34	23.47	23.45						
15	HQAM	1	0	23.44	23.58	23.53						
15	HQAM	1	37	23.39	23.49	23.41			24.5	1		
15	HQAM	1	74	23.39	23.52	23.46						
15	HQAM	36	0	22.40	22.53	22.49						
15	HQAM	36	20	22.32	22.49	22.39						
15	HQAM	75	0	22.32	22.46	22.40			23.5	2		
15	HQAM	1	0	22.48	22.51	22.49						
15	HQAM	1	37	22.34	22.51	22.47						
15	HQAM	1	74	22.30	22.49	22.47						
15	HQAM	36	0	21.34	21.51	21.43			22.5	3		
15	HQAM	36	20	21.36	21.49	21.38						
15	HQAM	36	39	21.34	21.41	21.45						
15	HQAM	75	0	21.32	21.52	21.40						
15	HQAM	1	0	19.45	19.57	19.46			20.5	5		
15	HQAM	1	37	19.35	19.53	19.49						
15	HQAM	1	74	19.34	19.55	19.44						
15	HQAM	36	0	19.45	19.54	19.50						
15	HQAM	36	20	19.44	19.56	19.49			20.5	5		
15	HQAM	36	39	19.43	19.52	19.45						
15	HQAM	75	0	19.40	19.58	19.47						
15	HQAM	75	0	19.40	19.58	19.47						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.53	24.35			25.5	0		
10	QPSK	1	25	24.29	24.50	24.36						
10	QPSK	1	49	24.35	24.46	24.39						
10	QPSK	25	0	23.43	23.43	23.36						
10	QPSK	25	12	23.34	23.42	23.32			24.5	1		
10	QPSK	25	25	23.29	23.44	23.31						
10	QPSK	50	0	23.32	23.44	23.35						
10	HQAM	1	0	23.38	23.49	23.47						
10	HQAM	1	25	23.35	23.46	23.31			24.5	1		
10	HQAM	1	49	23.35	23.46	23.35						
10	HQAM	25	0	22.34	22.49	22.37						
10	HQAM	25	12	22.29	22.45	22.35						
10	HQAM	25	13	22.29	22.45	22.35			23.5	2		
10	HQAM	50	0	22.32	22.42	22.45						
10	HQAM	1	0	22.48	22.48	22.38						
10	HQAM	1	25	22.34	22.46	22.35						
10	HQAM	1	49	22.30	22.40	22.45			22.5	3		
10	HQAM	25	0	21.37	21.47	21.45						
10	HQAM	25	12	21.28	21.39	21.38						
10	HQAM	25	25	21.21	21.28	21.26						
10	HQAM	25	26	21.20	21.38	21.34			22.5	3		
10	HQAM	50	0	21.22	21.43	21.36						
10	HQAM	1	0	19.45	19.54	19.44						
10	HQAM	1	25	19.27	19.49	19.45						
10	HQAM	1	49	19.33	19.52	19.42			20.5	5		
10	HQAM	12	0	19.35	19.46	19.41						
10	HQAM	12	7	19.35	19.50	19.44						
10	HQAM	12	13	19.35	19.51	19.41						
10	HQAM	25	0	19.35	19.51	19.41			20.5	5		
10	HQAM	25	0	19.35	19.51	19.41						
10	HQAM	25	0	19.34	19.45	19.35						
10	HQAM	25	0	19.34	19.45	19.35						

Band 66 Ant 4 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power Mid Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Turn-up Init. (dBm)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.10	18.17	18.14				
20	QPSK	1	48	18.01	18.10	18.07			19	0
20	QPSK	1	96	18.01	18.11	18.05				
20	QPSK	1	144	18.01	18.12	18.03				
20	QPSK	80	24	18.00	18.07	18.03				
20	QPSK	80	72	18.00	18.06	18.04				
20	QPSK	100	0	18.00	18.11	18.11				
20	HQAM	1	0	18.08	18.10	18.05				
20	HQAM	1	48	17.99	18.07	18.02				
20	HQAM	1	96	17.99	18.08	17.93				
20	HQAM	80	0	17.95	18.02	17.97				
20	HQAM	80	24	17.95	18.01	17.96				
20	HQAM	80	50	18.00	17.91	18.00			19	0
20	HQAM	100	0	17.95	17.98	18.01				
20	HQAM	100	24	17.95	17.99	18.02				
20	HQAM	1	49	17.90	18.04	18.04			19	0
20	HQAM	1	99	17.94	18.01	17.97				
20	HQAM	80	0	17.92	18.01	17.96				
20	HQAM	80	24	17.92	18.01	17.97				
20	HQAM	100	0	17.90	17.98	18.01				
20	HQAM	100	24	17.90	17.99	18.02				
20	HQAM	1	0	18.00	18.00	18.00				
20	HQAM	1	49	17.93	18.07	18.03			19	0
20	HQAM	1	99	17.90	18.02	17.95				
20	HQAM	80	0	17.94	18.01	17.96				
20	HQAM	80	24	17.90	17.94	18.00				
20	HQAM	100	0	17.90	17.98	18.00			19	0
20	HQAM	100	24	17.97	17.92	18.06				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.99	18.00	17.99				
15	QPSK	1	37	17.92	18.00	18.03				
15	QPSK	1	74	17.99	17.99	18.00				
15	QPSK	80	0	17.93	18.01	17.94				
15	QPSK	80	20	17.93	17.99	18.02				
15	QPSK	80	40	17.93	17.98	18.01			19	0
15	QPSK	75	0	17.94	18.01	17.97				
15	HQAM	1	0	18.04	18.04	17.93				
15	HQAM	1	37	17.94	17.99	17.99				
15	HQAM	1	74	17.90	17.98	17.98				
15	HQAM	80	0	17.83	17.88	17.83				
15	HQAM	80	20	17.86	17.87	17.86				
15	HQAM	36	39	17.91	17.82	17.98			19	0
15	HQAM	75	0	17.85	17.82	18.02				
15	HQAM	1	74	17.86	17.90	17.86				
15	HQAM	1	37	17.83	17.83	17.83				
15	HQAM	1	74	17.90	17.81	17.84				
15	HQAM	80	0	17.82	17.86	17.86				
15	HQAM	36	20	17.88	17.77	17.85				
15	HQAM	36	56	17.88	17.88	17.83				
15	HQAM	1	0	17.90	17.90	17.97				
15	HQAM	1	37	17.82	18.02	17.91			19	0
15	HQAM	1	74	17.86	17.86	17.86				
15	HQAM	36	0	17.81	17.95	17.89				
15	HQAM	36	20	17.80	17.80	17.97				
15	HQAM	36	59	17.80	17.80	17.86				
15	HQAM	75	0	17.84	17.81	17.94				

Band 38 Ant 1 DSI 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	19.53	19.54	19.43	20.5	0			
20	QPSK	1	49	19.43	19.44	19.34					
20	QPSK	1	99	19.45	19.51	19.35					
20	QPSK	50	0	19.42	19.51	19.33	20.5	0			
20	QPSK	50	24	19.48	19.41	19.41					
20	QPSK	50	50	19.45	19.44	19.39					
20	QPSK	100	0	19.42	19.47	19.37	20.5	0			
20	16QAM	1	0	19.43	19.45	19.40					
20	16QAM	1	49	19.34	19.37	19.23					
20	16QAM	1	99	19.31	19.41	19.30	20.5	0			
20	16QAM	50	0	19.32	19.47	19.25					
20	16QAM	50	24	19.36	19.32	19.30					
20	16QAM	50	50	19.35	19.32	19.31	20.5	0			
20	16QAM	100	0	19.40	19.45	19.32					
20	64QAM	1	0	19.40	19.44	19.31					
20	64QAM	1	49	19.37	19.33	19.22	20.5	0			
20	64QAM	1	99	19.38	19.37	19.28					
20	64QAM	50	0	19.39	19.41	19.24					
20	64QAM	50	24	19.38	19.35	19.36	20.5	0			
20	64QAM	50	50	19.34	19.38	19.28					
20	64QAM	100	0	19.38	19.36	19.33					
20	256QAM	1	0	18.54	18.51	18.47	19.5	1			
20	256QAM	1	49	18.45	18.40	18.31					
20	256QAM	1	99	18.41	18.53	18.32					
20	256QAM	50	0	18.39	18.54	18.35	19.5	1			
20	256QAM	50	24	18.49	18.46	18.43					
20	256QAM	50	50	18.42	18.47	18.43					
20	256QAM	100	0	18.44	18.51	18.32					
Channel				37625	38000	38175	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	19.46	19.45	19.38	20.5	0			
15	QPSK	1	37	19.36	19.41	19.23					
15	QPSK	1	74	19.35	19.39	19.27					
15	QPSK	36	0	19.39	19.39	19.31	20.5	0			
15	QPSK	36	20	19.45	19.29	19.33					
15	QPSK	36	39	19.38	19.38	19.36					
15	QPSK	75	0	19.33	19.39	19.24	20.5	0			
15	16QAM	1	0	19.30	19.33	19.33					
15	16QAM	1	37	19.24	19.24	19.25					
15	16QAM	1	74	19.24	19.30	19.27	20.5	0			
15	16QAM	36	0	19.23	19.37	19.21					
15	16QAM	36	20	19.24	19.26	19.26					
15	16QAM	36	39	19.24	19.23	19.29	20.5	0			
15	16QAM	75	0	19.28	19.42	19.26					
15	64QAM	1	0	19.32	19.41	19.21					
15	64QAM	1	37	19.25	19.26	19.19	20.5	0			
15	64QAM	1	74	19.26	19.31	19.15					
15	64QAM	36	0	19.36	19.33	19.19					
15	64QAM	36	20	19.28	19.32	19.23	20.5	0			
15	64QAM	36	39	19.27	19.32	19.22					
15	64QAM	75	0	19.28	19.32	19.31					
15	256QAM	1	0	18.49	18.45	18.45	19.5	1			
15	256QAM	1	37	18.42	18.35	18.28					
15	256QAM	1	74	18.35	18.48	18.18					
15	256QAM	36	0	18.30	18.47	18.25	19.5	1			
15	256QAM	36	20	18.45	18.35	18.37					
15	256QAM	36	39	18.35	18.36	18.35					
15	256QAM	75	0	18.33	18.45	18.19					
Channel				37900	38000	38200	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	19.43	19.50	19.40	20.5	0			
10	QPSK	1	25	19.31	19.32	19.28					
10	QPSK	1	49	19.36	19.45	19.22					
10	QPSK	25	0	19.28	19.39	19.24	20.5	0			
10	QPSK	25	12	19.40	19.37	19.28					
10	QPSK	25	25	19.41	19.41	19.28					
10	QPSK	50	0	19.32	19.38	19.31	20.5	0			
10	16QAM	1	0	19.32	19.41	19.34					
10	16QAM	1	25	19.25	19.34	19.16					
10	16QAM	1	49	19.26	19.33	19.24	20.5	0			
10	16QAM	25	0	19.23	19.34	19.12					
10	16QAM	25	12	19.31	19.19	19.25					
10	16QAM	25	25	19.24	19.18	19.24	20.5	0			
10	16QAM	50	0	19.35	19.32	19.27					
10	64QAM	1	0	19.30	19.36	19.20					
10	64QAM	1	25	19.27	19.29	19.09	20.5	0			
10	64QAM	1	49	19.30	19.35	19.22					
10	64QAM	25	0	19.28	19.28	19.14					
10	64QAM	25	12	19.26	19.27	19.26	20.5	0			
10	64QAM	25	25	19.30	19.35	19.20					
10	64QAM	50	0	19.32	19.25	19.30					
10	256QAM	1	0	18.50	18.48	18.37	19.5	1			
10	256QAM	1	25	18.43	18.37	18.25					
10	256QAM	1	49	18.30	18.47	18.27					
10	256QAM	25	0	18.32	18.43	18.28	19.5	1			
10	256QAM	25	12	18.37	18.36	18.39					
10	256QAM	25	25	18.37	18.36	18.32					
10	256QAM	50	0	18.38	18.37	18.23					
Channel				37775	38000	38225	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	19.44	19.51	19.40	20.5	0			
5	QPSK	1	12	19.39	19.38	19.28					
5	QPSK	1	24	19.43	19.43	19.28					
5	QPSK	12	0	19.33	19.47	19.19	20.5	0			
5	QPSK	12	7	19.42	19.37	19.27					
5	QPSK	12	13	19.36	19.40	19.35					
5	QPSK	25	0	19.33	19.41	19.25	20.5	0			
5	16QAM	1	0	19.39	19.40	19.37					
5	16QAM	1	12	19.23	19.34	19.19					
5	16QAM	1	24	19.21	19.32	19.19	20.5	0			
5	16QAM	12	0	19.22	19.36	19.17					
5	16QAM	12	7	19.33	19.20	19.18					
5	16QAM	12	13	19.25	19.23	19.17	20.5	0			
5	16QAM	25	0	19.34	19.39	19.26					
5	64QAM	1	0	19.27	19.30	19.29					
5	64QAM	1	12	19.26	19.29	19.20	20.5	0			
5	64QAM	1	24	19.24	19.30	19.19					
5	64QAM	12	0	19.28	19.31	19.14					
5	64QAM	12	7	19.35	19.27	19.30	20.5	0			
5	64QAM	12	13	19.22	19.27	19.18					
5	64QAM	25	0	19.30	19.25	19.24					
5	256QAM	1	0	18.47	18.48	18.45	19.5	1			
5	256QAM	1	12	18.34	18.38	18.21					
5	256QAM	1	24	18.29	18.50	18.22					
5	256QAM	12	0	18.35	18.43	18.29	19.5	1			
5	256QAM	12	7	18.38	18.37	18.33					
5	256QAM	12	13	18.38	18.34	18.34					
5	256QAM	25	0	18.40	18.46	18.27					

Band 41 Ant 1 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41500		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.55	20.51	20.64	20.60	20.52	21.5	0
20	QPSK	1	49	20.42	20.47	20.57	20.48	20.44		
20	QPSK	1	99	20.47	20.37	20.51	20.53	20.43		
20	QPSK	50	0	20.46	20.44	20.59	20.50	20.45		
20	QPSK	50	24	20.43	20.54	20.54	20.54	20.48	21.5	0
20	QPSK	50	50	20.50	20.49	20.56	20.53	20.46		
20	QPSK	100	0	20.51	20.40	20.52	20.52	20.39		
20	16QAM	1	0	20.50	20.37	20.56	20.50	20.49		
20	16QAM	1	49	20.37	20.35	20.48	20.40	20.35	21.5	0
20	16QAM	1	99	20.42	20.24	20.37	20.50	20.35		
20	16QAM	50	0	20.34	20.40	20.52	20.43	20.39		
20	16QAM	50	24	20.33	20.31	20.42	20.41	20.36		
20	16QAM	50	50	20.45	20.42	20.50	20.49	20.43	21.5	0
20	16QAM	100	0	20.37	20.36	20.44	20.44	20.31		
20	64QAM	1	0	20.52	20.40	20.55	20.56	20.44		
20	64QAM	1	49	20.36	20.45	20.56	20.47	20.35		
20	64QAM	1	99	20.36	20.31	20.42	20.41	20.30	21.5	0
20	64QAM	50	0	20.40	20.33	20.52	20.39	20.34		
20	64QAM	50	24	20.36	20.43	20.49	20.51	20.45		
20	64QAM	50	50	20.41	20.44	20.45	20.40	20.37		
20	64QAM	100	0	20.48	20.38	20.49	20.50	20.30	19.5	2
20	256QAM	1	0	18.54	18.47	18.60	18.54	18.47		
20	256QAM	1	49	18.38	18.52	18.52	18.46	18.45		
20	256QAM	1	99	18.50	18.31	18.49	18.56	18.42		
20	256QAM	50	0	18.40	18.41	18.54	18.55	18.42	19.5	2
20	256QAM	50	24	18.42	18.46	18.57	18.53	18.45		
20	256QAM	50	50	18.44	18.54	18.56	18.57	18.39		
20	256QAM	100	0	18.57	18.39	18.53	18.57	18.39		
Channel				39725 <th>40173<th>40620<th>41068<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th></th>	40173 <th>40620<th>41068<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40620 <th>41068<th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	41068 <th>41515<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	41515 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5 <th>2548.3<th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th></th>	2548.3 <th>2593<th>2637.8<th>2682.5<th></th><th></th></th></th></th>	2593 <th>2637.8<th>2682.5<th></th><th></th></th></th>	2637.8 <th>2682.5<th></th><th></th></th>	2682.5 <th></th> <th></th>		
15	QPSK	1	0	20.47	20.42	20.51	20.54	20.48	21.50	0
15	QPSK	1	37	20.42	20.36	20.51	20.55	20.36		
15	QPSK	1	74	20.37	20.46	20.46	20.46	20.34		
15	QPSK	36	0	20.34	20.31	20.49	20.40	20.31		
15	QPSK	36	20	20.40	20.37	20.43	20.52	20.38	21.5	0
15	QPSK	36	39	20.40	20.42	20.42	20.48	20.36		
15	QPSK	75	0	20.40	20.31	20.38	20.45	20.28		
15	16QAM	1	0	20.37	20.34	20.51	20.42	20.37		
15	16QAM	1	37	20.26	20.21	20.42	20.27	20.32	21.5	0
15	16QAM	1	74	20.31	20.15	20.35	20.47	20.23		
15	16QAM	36	0	20.26	20.26	20.49	20.34	20.28		
15	16QAM	36	20	20.31	20.27	20.35	20.35	20.26		
15	16QAM	36	39	20.34	20.34	20.46	20.45	20.31	21.5	0
15	16QAM	75	0	20.24	20.29	20.36	20.39	20.17		
15	64QAM	1	0	20.46	20.35	20.46	20.49	20.31		
15	64QAM	1	37	20.29	20.35	20.37	20.32	20.25		
15	64QAM	1	74	20.33	20.23	20.28	20.36	20.16	21.5	0
15	64QAM	36	0	20.29	20.23	20.38	20.30	20.24		
15	64QAM	36	20	20.31	20.35	20.40	20.47	20.43		
15	64QAM	36	39	20.37	20.38	20.33	20.33	20.33		
15	64QAM	75	0	20.45	20.25	20.43	20.46	20.20	19.5	2
15	256QAM	1	0	18.46	18.35	18.49	18.48	18.36		
15	256QAM	1	37	18.31	18.39	18.44	18.35	18.35		
15	256QAM	1	74	18.39	18.24	18.47	18.51	18.39		
15	256QAM	36	0	18.30	18.36	18.42	18.42	18.30	19.5	2
15	256QAM	36	20	18.30	18.37	18.52	18.45	18.42		
15	256QAM	36	39	18.37	18.51	18.48	18.40	18.50		
15	256QAM	75	0	18.49	18.34	18.41	18.45	18.27		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2637	2683		
10	QPSK	1	0	20.47	20.42	20.51	20.54	20.44	21.50	0
10	QPSK	1	25	20.39	20.42	20.44	20.44	20.31		
10	QPSK	1	49	20.37	20.24	20.40	20.41	20.30		
10	QPSK	25	0	20.33	20.40	20.51	20.43	20.36		
10	QPSK	25	12	20.33	20.40	20.43	20.51	20.41	21.5	0
10	QPSK	25	25	20.46	20.41	20.45	20.49	20.43		
10	QPSK	36	0	20.43	20.36	20.45	20.40	20.36		
10	16QAM	1	0	20.47	20.30	20.48	20.43	20.40		
10	16QAM	1	25	20.32	20.32	20.37	20.32	20.27	21.5	0
10	16QAM	1	49	20.32	20.13	20.23	20.41	20.29		
10	16QAM	25	0	20.31	20.30	20.49	20.38	20.32		
10	16QAM	25	12	20.24	20.26	20.33	20.37	20.25		
10	16QAM	25	25	20.33	20.29	20.38	20.36	20.39	21.5	0
10	16QAM	50	0	20.25	20.31	20.31	20.39	20.20		
10	64QAM	1	0	20.41	20.28	20.46	20.48	20.36		
10	64QAM	1	25	20.31	20.40	20.48	20.25	20.21		
10	64QAM	1	49	20.26	20.17	20.37	20.32	20.18	21.5	0
10	64QAM	25	0	20.32	20.20	20.36	20.36	20.21		
10	64QAM	25	12	20.33	20.40	20.37	20.48	20.33		
10	64QAM	25	25	20.29	20.35	20.42	20.28	20.25		
10	64QAM	50	0	20.40	20.24	20.46	20.41	20.23	19.5	2
10	256QAM	1	0	18.46	18.42	18.49	18.51	18.40		
10	256QAM	1	25	18.36	18.40	18.43	18.40	18.31		
10	256QAM	1	49	18.36	18.29	18.36	18.53	18.33		
10	256QAM	25	0	18.30	18.31	18.44	18.52	18.31	19.5	2
10	256QAM	25	12	18.38	18.42	18.45	18.39	18.42		
10	256QAM	25	25	18.41	18.44	18.46	18.45	18.39		
10	256QAM	50	0	18.53	18.32	18.45	18.52	18.32		
Channel				39713 <th>40174<th>40620</th><th>41059</th><th>41505</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	40174 <th>40620</th> <th>41059</th> <th>41505</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	40620	41059	41505	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5 <th>2545.8<th>2593<th>2640.30<th>2687.5</th><th></th><th></th></th></th></th>	2545.8 <th>2593<th>2640.30<th>2687.5</th><th></th><th></th></th></th>	2593 <th>2640.30<th>2687.5</th><th></th><th></th></th>	2640.30 <th>2687.5</th> <th></th> <th></th>	2687.5		
5	QPSK	1	0	20.44	20.47	20.51	20.56	20.49	21.50	0
5	QPSK	1	12	20.32	20.36	20.46	20.35	20.41		
5	QPSK	1	24	20.34	20.31	20.42	20.49	20.35		
5	QPSK	12	0	20.38	20.32	20.54	20.40	20.35		
5	QPSK	12	13	20.44	20.41	20.44	20.43	20.44	21.5	0
5	QPSK	25	0	20.45	20.37	20.43	20.47	20.42		
5	16QAM	1	0	20.44	20.28	20.54	20.42	20.39		
5	16QAM	1	12	20.25	20.28	20.38	20.31	20.24		
5	16QAM	1	24	20.35	20.36	20.36	20.37	20.30	21.5	0
5	16QAM	12	0	20.23	20.33	20.50	20.32	20.29		
5	16QAM	12	7	20.19	20.19	20.38	20.29	20.23		
5	16QAM	12	13	20.40	20.30	20.42	20.36	20.35		
5	16QAM	25	0	20.27	20.24	20.40	20.40	20.19	21.5	0
5	16QAM	1	0	20.47	20.29	20.46	20.43	20.41		
5	16QAM	1	12	20.30	20.34	20.49	20.26	20.25		
5	64QAM	1	24	20.27	20.28	20.32	20.28	20.28		
5	64QAM	12	0	20.34	20.23	20.44	20.34	20.25	21.5	0
5	64QAM	12	7	20.27	20.40	20.35	20.37	20.40		
5	64QAM	12	13	20.27	20.38	20.42	20.28	20.33		
5	256QAM	25	0	18.50	18.41	18.55	18.50	18.39		
5	256QAM	1	12	18.27	18.39	18.39	18.43	18.33	19.5	2
5	256QAM	1	24	18.41	18.20	18.43	18.48	18.39		
5	256QAM	12	0	18.28	18.28	18.47	18.44	18.29		
5	256QAM	12	7	18.29	18.41	18.48	18.46	18.37		
5	256QAM	25	0	18.39	18.49	18.46	18.46	18.42	19.5	2
5	256QAM	25	0	18.52	18.37	18.41	18.51	18.27		

Band 38 Ant 3 DSI 4												
BW [MHz]	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)				37850	38000	38150						
				2580	2595	2610						
20	QPSK	1	0	20.47	20.49	20.43	21.5	0				
20	QPSK	1	49	20.45	20.39	20.37						
20	QPSK	1	99	20.38	20.37	20.29						
20	QPSK	50	0	20.40	20.47	20.41	21.5	0				
20	QPSK	50	24	20.38	20.38	20.38						
20	QPSK	50	50	20.42	20.44	20.33						
20	QPSK	100	0	20.34	20.41	20.37	21.5	0				
20	16QAM	1	0	20.40	20.38	20.31						
20	16QAM	1	49	20.35	20.27	20.29						
20	16QAM	1	99	20.35	20.27	20.21	21.5	0				
20	16QAM	50	0	20.27	20.33	20.35						
20	16QAM	50	24	20.31	20.33	20.34						
20	16QAM	50	50	20.38	20.37	20.27	21.5	0				
20	16QAM	100	0	20.26	20.37	20.29						
20	64QAM	1	0	20.41	20.40	20.34						
20	64QAM	1	49	20.39	20.28	20.25	21.5	0				
20	64QAM	1	99	20.28	20.33	20.23						
20	64QAM	50	0	20.26	20.39	20.39						
20	64QAM	50	24	20.34	20.33	20.32	21.5	0				
20	64QAM	50	50	20.29	20.36	20.21						
20	64QAM	100	0	20.29	20.31	20.31						
20	256QAM	1	0	18.47	18.47	18.39	19.5	2				
20	256QAM	1	49	18.45	18.35	18.32						
20	256QAM	1	99	18.33	18.37	18.34						
20	256QAM	50	0	18.44	18.48	18.37	19.5	2				
20	256QAM	50	24	18.44	18.34	18.36						
20	256QAM	50	50	18.46	18.42	18.38						
20	256QAM	100	0	18.36	18.38	18.32	21.5	0				
Channel Frequency (MHz)				37825	38000	38175			Tune-up limit (dBm)	MPR (dB)		
				2577.5	2595	2612.5						
15	QPSK	1	0	20.41	20.37	20.40	21.5	0				
15	QPSK	1	37	20.32	20.29	20.31						
15	QPSK	1	74	20.27	20.27	20.21						
15	QPSK	36	0	20.29	20.41	20.31	21.5	0				
15	QPSK	36	20	20.35	20.24	20.29						
15	QPSK	36	39	20.39	20.39	20.21						
15	QPSK	75	0	20.26	20.30	20.29	21.5	0				
15	16QAM	1	0	20.34	20.28	20.29						
15	16QAM	1	37	20.31	20.14	20.21						
15	16QAM	1	74	20.33	20.19	20.19	21.5	0				
15	16QAM	36	0	20.23	20.27	20.26						
15	16QAM	36	20	20.27	20.29	20.22						
15	16QAM	36	39	20.33	20.25	20.17	21.5	0				
15	16QAM	75	0	20.18	20.27	20.16						
15	64QAM	1	0	20.32	20.34	20.23						
15	64QAM	1	37	20.36	20.16	20.12	21.5	0				
15	64QAM	1	74	20.16	20.28	20.18						
15	64QAM	36	0	20.15	20.28	20.30						
15	64QAM	36	20	20.22	20.29	20.25	21.5	0				
15	64QAM	36	39	20.23	20.34	20.18						
15	64QAM	75	0	20.26	20.28	20.22						
15	256QAM	1	0	18.42	18.38	18.29	19.5	2				
15	256QAM	1	37	18.42	18.31	18.25						
15	256QAM	1	74	18.27	18.34	18.26						
15	256QAM	36	0	18.32	18.44	18.33	19.5	2				
15	256QAM	36	20	18.32	18.20	18.31						
15	256QAM	36	39	18.43	18.37	18.32						
15	256QAM	75	0	18.24	18.36	18.24	21.5	0				
Channel Frequency (MHz)				37860	38000	38200			Tune-up limit (dBm)	MPR (dB)		
				2575	2595	2615						
10	QPSK	1	0	20.41	20.37	20.34	21.5	0				
10	QPSK	1	25	20.36	20.25	20.32						
10	QPSK	1	49	20.25	20.28	20.17						
10	QPSK	25	0	20.36	20.40	20.28	21.5	0				
10	QPSK	25	12	20.29	20.30	20.28						
10	QPSK	25	25	20.38	20.38	20.27						
10	QPSK	50	0	20.23	20.35	20.23	21.5	0				
10	16QAM	1	0	20.28	20.31	20.20						
10	16QAM	1	25	20.25	20.18	20.21						
10	16QAM	1	49	20.31	20.24	20.14	21.5	0				
10	16QAM	25	0	20.13	20.31	20.26						
10	16QAM	25	12	20.24	20.19	20.31						
10	16QAM	25	25	20.27	20.32	20.15	21.5	0				
10	16QAM	50	0	20.22	20.24	20.27						
10	64QAM	1	0	20.35	20.36	20.39						
10	64QAM	1	25	20.36	20.17	20.19	21.5	0				
10	64QAM	1	49	20.22	20.27	20.11						
10	64QAM	25	0	20.22	20.34	20.30						
10	64QAM	25	12	20.30	20.28	20.18	21.5	0				
10	64QAM	25	25	20.18	20.26	20.12						
10	64QAM	50	0	20.16	20.21	20.26						
10	256QAM	1	0	18.44	18.39	18.28	19.5	2				
10	256QAM	1	25	18.41	18.28	18.29						
10	256QAM	1	49	18.26	18.24	18.31						
10	256QAM	25	0	18.42	18.36	18.29	19.5	2				
10	256QAM	25	12	18.40	18.31	18.30						
10	256QAM	25	25	18.42	18.30	18.30						
10	256QAM	50	0	18.26	18.33	18.21	21.5	0				
Channel Frequency (MHz)				37775	38000	38225			Tune-up limit (dBm)	MPR (dB)		
				2572.5	2595	2617.5						
5	QPSK	1	0	20.37	20.39	20.33	21.5	0				
5	QPSK	1	12	20.37	20.34	20.28						
5	QPSK	1	24	20.36	20.29	20.18						
5	QPSK	12	0	20.28	20.36	20.35	21.5	0				
5	QPSK	12	7	20.29	20.24	20.24						
5	QPSK	12	13	20.30	20.36	20.21						
5	QPSK	25	0	20.26	20.31	20.25	21.5	0				
5	16QAM	1	0	20.26	20.33	20.23						
5	16QAM	1	12	20.29	20.21	20.25						
5	16QAM	1	24	20.29	20.14	20.12	21.5	0				
5	16QAM	12	0	20.22	20.30	20.26						
5	16QAM	12	7	20.22	20.25	20.29						
5	16QAM	12	13	20.29	20.28	20.23	21.5	0				
5	16QAM	25	0	20.21	20.32	20.24						
5	64QAM	1	0	20.38	20.34	20.28						
5	64QAM	1	12	20.34	20.18	20.14	21.5	0				
5	64QAM	1	24	20.25	20.24	20.10						
5	64QAM	12	0	20.22	20.33	20.30						
5	64QAM	12	7	20.30	20.23	20.25	21.5	0				
5	64QAM	12	13	20.24	20.33	20.11						
5	64QAM	25	0	20.26	20.28	20.26						
5	256QAM	1	0	18.40	18.44	18.34	19.5	2				
5	256QAM	1	12	18.41	18.33	18.26						
5	256QAM	1	24	18.25	18.35	18.29						
5	256QAM	12	0	18.40	18.43	18.33	19.5	2				
5	256QAM	12	7	18.39	18.25	18.29						
5	256QAM	12	13	18.35	18.38	18.28						
5	256QAM	25	0	18.25	18.35	18.24	21.5	2				

Band 42 Part 27Q Ant 3 DSI 4										
BW [MHz]	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	20.46	20.47	20.22	21.5	0		
20	QPSK	1	49	20.42	20.41	20.19				
20	QPSK	1	99	20.42	20.46	20.19				
20	QPSK	50	0	19.47	19.47	19.21	20.5	1		
20	QPSK	50	24	19.44	19.42	19.20				
20	QPSK	50	50	19.46	19.42	19.20				
20	QPSK	100	0	19.37	19.41	19.16	20.5	1		
20	16QAM	1	0	19.41	19.41	19.19				
20	16QAM	1	49	19.46	19.47	19.19				
20	16QAM	1	99	19.46	19.50	19.23	19.5	2		
20	16QAM	50	0	18.51	18.45	18.13				
20	16QAM	50	24	18.41	18.43	18.25				
20	16QAM	50	50	18.46	18.44	18.24	19.5	2		
20	16QAM	100	0	18.38	18.36	18.19				
20	64QAM	1	0	18.38	18.43	18.08				
20	64QAM	1	49	18.32	18.35	18.13	19.5	2		
20	64QAM	1	99	18.37	18.35	18.08				
20	64QAM	50	0	17.35	17.41	17.16				
20	64QAM	50	24	17.29	17.39	17.12	18.5	3		
20	64QAM	50	50	17.35	17.34	17.16				
20	64QAM	100	0	17.22	17.38	17.03				
20	256QAM	1	0	15.40	15.43	15.27	16.5	5		
20	256QAM	1	49	15.37	15.42	15.24				
20	256QAM	1	99	15.39	15.42	15.23				
20	256QAM	50	0	15.37	15.39	15.05	16.5	5		
20	256QAM	50	24	15.37	15.33	15.16				
20	256QAM	50	50	15.40	15.30	15.16				
20	256QAM	100	0	15.27	15.32	15.08				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.46	20.46	20.18	21.5	0		
15	QPSK	1	37	20.39	20.39	20.11				
15	QPSK	1	74	20.32	20.32	20.19				
15	QPSK	36	0	19.46	19.45	19.20	20.5	1		
15	QPSK	36	20	19.39	19.32	19.12				
15	QPSK	36	39	19.41	19.34	19.09				
15	QPSK	75	0	19.28	19.40	19.06	20.5	1		
15	16QAM	1	0	19.41	19.40	19.14				
15	16QAM	1	37	19.42	19.39	19.17				
15	16QAM	1	74	19.36	19.47	19.19	19.5	2		
15	16QAM	36	0	18.41	18.41	18.25				
15	16QAM	36	20	18.29	18.39	18.19				
15	16QAM	36	39	18.37	18.34	18.21	19.5	2		
15	16QAM	75	0	18.27	18.32	18.14				
15	64QAM	1	0	18.28	18.36	18.01				
15	64QAM	1	37	18.30	18.30	18.02	19.5	2		
15	64QAM	1	74	18.36	18.28	18.07				
15	64QAM	36	0	17.26	17.32	17.08				
15	64QAM	36	20	17.25	17.27	17.04	18.5	3		
15	64QAM	36	39	17.27	17.31	17.05				
15	64QAM	75	0	17.13	17.26	17.00				
15	256QAM	1	0	15.31	15.37	15.24	16.5	5		
15	256QAM	1	37	15.27	15.37	15.18				
15	256QAM	1	74	15.32	15.34	15.12				
15	256QAM	36	0	15.33	15.33	15.07	16.5	5		
15	256QAM	36	20	15.33	15.22	15.07				
15	256QAM	36	39	15.40	15.27	15.07				
15	256QAM	75	0	15.24	15.23	15.00				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	20.38	20.42	20.16	21.5	0		
10	QPSK	1	25	20.31	20.31	20.15				
10	QPSK	1	49	20.33	20.43	20.12				
10	QPSK	25	0	19.41	19.38	19.18	20.5	1		
10	QPSK	25	12	19.41	19.37	19.21				
10	QPSK	25	25	19.36	19.41	19.11				
10	QPSK	50	0	19.27	19.39	19.06	20.5	1		
10	16QAM	1	0	19.40	19.33	19.17				
10	16QAM	1	25	19.39	19.36	19.14				
10	16QAM	1	49	19.35	19.48	19.16	19.5	2		
10	16QAM	25	0	18.41	18.39	18.17				
10	16QAM	25	12	18.40	18.40	18.18				
10	16QAM	25	25	18.44	18.38	18.15	19.5	2		
10	16QAM	50	0	18.29	18.36	18.12				
10	64QAM	1	0	18.28	18.35	18.00				
10	64QAM	1	25	18.29	18.29	18.02	19.5	2		
10	64QAM	1	49	18.29	18.28	18.02				
10	64QAM	25	0	17.35	17.37	17.07				
10	64QAM	25	12	17.17	17.25	17.04	18.5	3		
10	64QAM	25	25	17.27	17.30	17.14				
10	64QAM	50	0	17.13	17.24	16.96				
10	256QAM	1	0	15.37	15.40	15.15	16.5	5		
10	256QAM	1	25	15.27	15.32	15.18				
10	256QAM	1	49	15.32	15.34	15.19				
10	256QAM	25	0	15.33	15.29	14.99	16.5	5		
10	256QAM	25	12	15.36	15.21	15.13				
10	256QAM	25	25	15.32	15.24	15.09				
10	256QAM	50	0	15.25	15.26	15.00				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.42	20.43	20.22	21.5	0		
5	QPSK	1	12	20.38	20.33	20.11				
5	QPSK	1	24	20.39	20.34	20.09				
5	QPSK	12	0	19.43	19.37	19.17	20.5	1		
5	QPSK	12	7	19.41	19.38	19.13				
5	QPSK	12	13	19.40	19.35	19.10				
5	QPSK	25	0	19.29	19.32	19.09	20.5	1		
5	16QAM	1	0	19.37	19.34	19.08				
5	16QAM	1	12	19.42	19.44	19.19				
5	16QAM	1	24	19.42	19.40	19.13	19.5	2		
5	16QAM	12	0	18.47	18.40	18.23				
5	16QAM	12	7	18.30	18.42	18.22				
5	16QAM	12	13	18.37	18.43	18.12	19.5	2		
5	16QAM	25	0	18.31	18.30	18.08				
5	64QAM	1	0	18.36	18.41	18.02				
5	64QAM	1	12	18.23	18.27	18.06	19.5	2		
5	64QAM	1	24	18.30	18.25	18.04				
5	64QAM	12	0	17.26	17.41	17.10				
5	64QAM	12	7	17.23	17.19	17.01	18.5	3		
5	64QAM	12	13	17.33	17.24	17.09				
5	64QAM	25	0	17.16	17.24	17.04				
5	256QAM	1	0	15.32	15.33	15.16	16.5	5		
5	256QAM	1	12	15.26	15.38	15.22				
5	256QAM	1	24	15.37	15.34	15.17				
5	256QAM	12	0	15.37	15.27	15.02	16.5	5		
5	256QAM	12	7	15.25	15.29	15.16				
5	256QAM	12	13	15.33	15.38	15.19				
5	256QAM	25	0	15.22	15.24	15.06				

Band 38 Ant 4 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.12	19.19	19.07	20.5	0	
20	QPSK	1	49	19.08	19.17	19.03			
20	QPSK	1	99	19.08	19.05	19.08			
20	QPSK	50	0	19.09	19.13	19.06			
20	QPSK	50	24	18.98	19.17	18.99	20.5	0	
20	QPSK	50	50	19.09	19.06	18.94			
20	QPSK	100	0	18.99	19.08	19.01			
20	16QAM	1	0	19.06	19.06	19.06			
20	16QAM	1	49	19.03	19.05	19.02	20.5	0	
20	16QAM	1	99	18.86	19.00	18.91			
20	16QAM	50	0	19.05	19.08	18.90			
20	16QAM	50	24	18.92	19.14	18.97			
20	16QAM	50	50	18.99	18.92	18.84	20.5	0	
20	16QAM	100	0	18.94	18.96	18.90			
20	64QAM	1	0	19.07	19.07	18.99			
20	64QAM	1	49	19.03	19.07	19.00			
20	64QAM	1	99	18.85	18.97	18.87	20.5	0	
20	64QAM	50	0	19.00	19.06	18.85			
20	64QAM	50	24	18.91	19.13	18.89			
20	64QAM	50	50	18.97	18.95	18.88			
20	64QAM	100	0	18.94	18.97	18.92	19.5	1	
20	256QAM	1	0	18.08	18.18	18.11			
20	256QAM	1	49	18.13	18.20	18.03			
20	256QAM	1	99	18.03	18.01	17.94			
20	256QAM	50	0	18.05	18.14	17.90	19.5	1	
20	256QAM	50	24	17.93	18.13	17.97			
20	256QAM	50	50	18.15	18.08	17.88			
20	256QAM	100	0	18.05	18.09	17.98			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.01	19.09	19.08	20.5	0	
15	QPSK	1	37	18.98	19.07	18.92			
15	QPSK	1	74	18.88	18.92	18.91			
15	QPSK	36	0	19.00	19.01	18.85			
15	QPSK	36	20	18.94	19.13	18.90	20.5	0	
15	QPSK	36	39	18.96	18.95	18.90			
15	QPSK	75	0	18.96	19.01	18.93			
15	16QAM	1	0	18.96	18.96	18.93			
15	16QAM	1	37	18.99	18.96	18.80	20.5	0	
15	16QAM	1	74	18.76	18.87	18.79			
15	16QAM	36	0	18.97	19.02	18.94			
15	16QAM	36	20	18.87	19.05	18.85			
15	16QAM	36	39	18.91	18.83	18.76	20.5	0	
15	16QAM	75	0	18.83	18.94	18.86			
15	64QAM	1	0	18.96	18.95	18.92			
15	64QAM	1	37	18.95	19.04	18.93			
15	64QAM	1	74	18.83	18.88	18.78	20.5	0	
15	64QAM	36	0	18.95	19.02	18.77			
15	64QAM	36	20	18.87	19.09	18.82			
15	64QAM	36	39	18.93	18.87	18.77			
15	64QAM	75	0	18.90	18.86	18.78	19.5	1	
15	256QAM	1	0	18.02	18.12	18.08			
15	256QAM	1	37	18.05	18.13	18.00			
15	256QAM	1	74	17.94	17.91	17.84			
15	256QAM	36	0	17.91	18.06	17.83	19.5	1	
15	256QAM	36	20	17.85	18.09	17.84			
15	256QAM	36	39	18.05	18.04	17.82			
15	256QAM	75	0	17.96	18.04	17.91			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.08	19.05	19.01	20.5	0	
10	QPSK	1	25	18.95	19.08	18.98			
10	QPSK	1	49	18.90	19.00	18.90			
10	QPSK	25	0	18.98	19.05	18.89			
10	QPSK	25	12	18.90	19.08	18.93	20.5	0	
10	QPSK	25	25	19.02	19.00	18.92			
10	QPSK	50	0	18.89	18.95	18.87			
10	16QAM	1	0	19.03	19.00	18.86			
10	16QAM	1	25	18.96	18.95	18.90	20.5	0	
10	16QAM	1	49	18.72	18.96	18.86			
10	16QAM	25	0	18.96	19.02	18.79			
10	16QAM	25	12	18.80	19.10	18.89			
10	16QAM	25	25	18.88	18.83	18.79	20.5	0	
10	16QAM	50	0	18.85	18.85	18.82			
10	64QAM	1	0	19.02	18.96	18.93			
10	64QAM	1	25	18.95	18.98	18.88			
10	64QAM	1	49	18.72	18.87	18.73	20.5	0	
10	64QAM	25	0	18.87	18.94	18.75			
10	64QAM	25	12	18.85	19.08	18.75			
10	64QAM	25	25	18.87	18.85	18.78			
10	64QAM	50	0	18.91	18.86	18.80	19.5	1	
10	256QAM	1	0	17.97	18.16	18.05			
10	256QAM	1	25	18.03	18.12	17.94			
10	256QAM	1	49	17.93	17.88	17.86			
10	256QAM	25	0	17.99	18.12	17.78	19.5	1	
10	256QAM	25	12	17.81	18.05	17.90			
10	256QAM	25	25	18.10	17.99	17.85			
10	256QAM	50	0	17.95	18.01	17.93			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.09	19.10	19.05	20.5	0	
5	QPSK	1	12	18.98	19.13	18.98			
5	QPSK	1	24	18.96	19.00	18.93			
5	QPSK	12	0	18.98	19.09	18.92			
5	QPSK	12	7	18.96	19.13	18.93	20.5	0	
5	QPSK	12	13	19.07	19.00	18.91			
5	QPSK	25	0	18.95	18.94	18.88			
5	16QAM	1	0	18.95	19.00	18.91			
5	16QAM	1	12	18.98	18.93	18.87	20.5	0	
5	16QAM	1	24	18.83	18.96	18.78			
5	16QAM	12	0	18.97	19.03	18.76			
5	16QAM	12	7	18.88	19.05	18.85			
5	16QAM	12	13	18.86	18.88	18.79	20.5	0	
5	16QAM	25	0	18.87	18.89	18.78			
5	64QAM	1	0	18.99	18.97	18.96			
5	64QAM	1	12	18.91	19.05	18.88			
5	64QAM	1	24	18.79	18.84	18.82	20.5	0	
5	64QAM	12	0	18.94	19.02	18.81			
5	64QAM	12	7	18.82	19.07	18.85			
5	64QAM	12	13	18.88	18.92	18.78			
5	64QAM	25	0	18.84	18.87	18.89	19.5	1	
5	256QAM	1	0	17.96	18.11	17.98			
5	256QAM	1	12	18.08	18.16	17.90			
5	256QAM	1	24	18.00	17.94	17.88			
5	256QAM	12	0	17.97	18.11	17.77	19.5	1	
5	256QAM	12	7	17.80	18.09	17.90			
5	256QAM	12	13	18.02	18.02	17.75			
5	256QAM	25	0	18.02	18.04	17.92			

Band 41 Ant 4 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2682		
20	QPSK	1	0	19.18	19.14	19.24	19.12	19.17	20.5	0
20	QPSK	1	49	19.12	19.18	19.20	19.05	19.12		
20	QPSK	1	99	19.00	19.03	19.09	19.02	19.05		
20	QPSK	50	0	19.11	19.18	19.13	19.02	19.08	20.5	0
20	QPSK	50	24	19.10	19.08	19.19	19.09	19.13		
20	QPSK	50	50	19.02	19.16	19.10	19.55	19.07		
20	QPSK	100	0	19.06	19.05	19.17	19.04	19.15	20.5	0
20	16QAM	1	0	19.00	19.11	19.06	19.07	19.03		
20	16QAM	1	49	19.09	19.11	19.10	18.99	19.09		
20	16QAM	1	99	19.00	18.86	19.04	18.90	19.02	20.5	0
20	16QAM	1	0	19.17	19.08	19.10	19.07	19.03		
20	16QAM	50	24	19.18	19.00	19.21	19.08	19.15		
20	16QAM	50	50	18.92	19.03	18.94	18.87	18.91	20.5	0
20	16QAM	100	0	19.05	19.04	19.08	18.95	19.04		
20	64QAM	1	0	19.03	19.08	19.12	19.06	19.04		
20	64QAM	1	49	19.00	19.04	19.07	19.08	18.99	20.5	0
20	64QAM	1	99	18.93	18.96	19.02	18.87	18.96		
20	64QAM	50	0	19.09	19.07	19.09	18.91	19.02		
20	64QAM	50	24	19.15	19.01	19.18	18.92	19.14	20.5	0
20	64QAM	50	50	18.93	19.07	19.03	18.92	18.93		
20	64QAM	100	0	18.91	19.02	19.00	18.92	19.00		
20	256QAM	1	0	18.29	18.17	18.28	18.17	18.24	19.5	1
20	256QAM	1	49	18.18	18.16	18.28	18.07	18.26		
20	256QAM	1	99	18.08	18.12	18.09	17.95	18.10		
20	256QAM	50	0	18.10	18.11	18.17	17.90	18.15	19.5	1
20	256QAM	50	24	18.13	17.97	18.15	17.98	18.07		
20	256QAM	50	50	18.06	18.23	18.12	17.96	18.09		
20	256QAM	100	0	18.05	19.09	18.11	18.06	18.00	Tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.09	19.09	19.20	19.11	19.11	20.50	0
15	QPSK	1	37	19.01	19.14	19.14	18.95	19.12		
15	QPSK	1	74	18.90	18.98	19.00	18.95	19.00		
15	QPSK	36	0	19.07	19.15	19.07	18.96	19.09	20.5	0
15	QPSK	36	20	19.04	19.01	19.11	18.94	19.04		
15	QPSK	36	39	18.94	19.15	19.00	18.94	19.08		
15	QPSK	75	0	18.97	19.04	19.13	18.98	19.10	20.5	0
15	16QAM	1	0	18.91	19.03	19.01	19.02	18.92		
15	16QAM	1	37	19.06	19.06	19.08	19.07	19.07		
15	16QAM	1	74	18.93	19.07	19.01	18.81	18.98	20.5	0
15	16QAM	36	0	19.13	19.07	19.18	18.80	19.05		
15	16QAM	36	20	19.11	18.96	19.14	19.00	19.14		
15	16QAM	36	39	18.83	18.94	18.85	18.87	18.81	20.5	0
15	16QAM	75	0	18.98	19.08	19.07	18.96	19.03		
15	64QAM	1	0	18.97	19.05	19.11	19.03	18.94		
15	64QAM	1	37	18.97	18.98	18.97	19.06	18.98	20.5	0
15	64QAM	1	74	18.90	18.94	18.98	18.77	18.91		
15	64QAM	36	0	19.06	19.05	19.07	18.84	19.00		
15	64QAM	36	20	19.06	18.96	19.14	18.85	19.14	20.5	0
15	64QAM	36	39	18.90	19.03	19.01	18.92	18.92		
15	64QAM	75	0	18.80	19.00	18.96	18.87	18.97		
15	256QAM	1	0	18.19	18.12	18.21	18.07	18.18	19.5	1
15	256QAM	1	37	18.18	18.08	18.18	17.99	18.24		
15	256QAM	1	74	17.98	18.05	18.00	17.85	18.02		
15	256QAM	36	0	18.03	19.09	18.11	18.02	18.13	19.5	1
15	256QAM	36	20	19.07	17.94	19.06	17.98	18.07		
15	256QAM	36	39	18.01	18.12	18.10	17.96	18.01		
15	256QAM	75	0	18.02	17.99	18.09	18.06	17.90	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2686		
10	QPSK	1	0	19.14	19.06	19.14	19.09	19.14	20.50	0
10	QPSK	1	25	19.06	19.10	19.11	19.03	19.13		
10	QPSK	1	49	18.94	19.02	19.03	19.00	18.97		
10	QPSK	25	0	19.07	19.09	19.09	19.01	19.01	20.5	0
10	QPSK	25	12	19.05	19.02	19.10	18.98	19.07		
10	QPSK	25	25	18.84	19.16	19.05	18.96	19.03		
10	QPSK	50	0	19.03	19.00	19.15	19.06	19.15	20.5	0
10	16QAM	1	0	18.96	19.03	19.00	19.06	18.96		
10	16QAM	1	25	19.06	19.10	19.10	18.90	19.01		
10	16QAM	1	49	18.92	18.77	19.01	18.89	18.91	20.5	0
10	16QAM	25	0	19.09	19.01	19.16	18.86	19.04		
10	16QAM	25	12	19.18	18.98	19.15	19.06	19.03		
10	16QAM	25	25	18.86	19.00	18.85	18.81	18.92	20.5	0
10	16QAM	50	0	19.04	19.04	19.04	18.90	18.95		
10	64QAM	1	0	19.01	19.08	19.03	19.07	19.04		
10	64QAM	1	25	18.93	18.84	19.06	19.03	18.90	20.5	0
10	64QAM	1	49	18.86	18.89	19.02	18.84	18.91		
10	64QAM	1	0	19.03	19.05	19.08	18.83	18.91		
10	64QAM	25	12	19.10	18.93	19.08	18.89	19.11	20.5	0
10	64QAM	25	25	18.88	19.04	19.02	18.92	18.83		
10	64QAM	50	0	18.89	18.99	18.92	18.86	18.91		
10	256QAM	1	0	18.29	18.07	18.18	18.14	18.23	19.5	1
10	256QAM	1	25	18.09	19.07	18.24	17.97	18.06		
10	256QAM	1	49	18.06	19.01	17.77	17.89	18.07		
10	256QAM	25	0	18.05	19.05	18.18	17.86	18.08	19.5	1
10	256QAM	25	12	18.11	17.95	18.16	17.91	18.02		
10	256QAM	25	25	18.06	18.23	18.01	17.95	18.02		
10	256QAM	50	0	17.96	18.01	18.08	18.06	17.90	Tune-up limit (dBm)	MPR (dB)
Channel				2687.5	2741.5	2793	2840.30	2887.5		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.14	19.09	19.15	19.13	19.07	20.50	0
5	QPSK	1	12	19.10	19.10	19.17	19.04	19.12		
5	QPSK	1	24	18.92	18.93	19.03	19.00	19.06		
5	QPSK	12	0	19.02	19.09	19.05	19.00	19.01	20.5	0
5	QPSK	12	7	19.08	19.01	19.15	19.02	19.06		
5	QPSK	12	13	18.91	19.10	19.11	18.84	19.03		
5	QPSK	25	0	19.03	18.96	19.17	19.00	19.11	20.5	0
5	16QAM	1	0	18.99	19.05	18.96	19.02	19.03		
5	16QAM	1	12	19.04	19.03	19.08	18.99	19.02		
5	16QAM	25	0	18.95	18.94	18.98	18.84	18.95	20.5	0
5	16QAM	12	0	19.15	19.00	19.08	18.89	19.11		
5	16QAM	12	7	19.17	18.92	19.19	19.05	19.08		
5	16QAM	12	13	18.87	18.96	18.91	18.87	18.89	20.5	0
5	16QAM	25	0	19.04	18.98	18.99	18.92	18.91		
5	16QAM	1	0	19.02	19.02	19.01	19.03	19.01		
5	64QAM	1	12	18.94	18.96	19.07	19.01	18.93	20.5	0
5	64QAM	1	24	18.85	18.92	19.02	18.84	18.86		
5	64QAM	12	0	19.08	19.03	19.04	18.81	18.93		
5	64QAM	12	7	19.11	18.96	19.09	18.91	19.10	20.5	0
5	64QAM	12	13	18.88	19.04	18.96	18.89	18.85		
5	64QAM	25	0	18.94	18.94	18.94	18.82	18.90		
5	256QAM	1	0	18.27	18.18	18.17	18.10	18.23	19.5	1
5	256QAM	1	12	18.13	18.14	18.20	18.05	18.16		
5	256QAM	1	24	17.98	18.02	18.00	17.87	18.09		
5	256QAM	12	0	18.04	18.06	18.07	17.85	18.15	19.5	1
5	256QAM	12	7	18.13	17.94	18.16	17.93	17.99		
5	256QAM	12	13	18.06	18.13	18.17	17.93	17.98		
5	256QAM	25	0	18.00	17.99	18.04	18.05	17.95		

Band 42 Part 27Q Ant 5 DSI 4										
BW [MHz]	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	21.55	21.61	21.51	22.5	0		
20	QPSK	1	49	21.43	21.58	21.37				
20	QPSK	1	99	21.49	21.56	21.44				
20	QPSK	50	0	21.48	21.57	21.37	22.5	0		
20	QPSK	50	24	21.43	21.48	21.38				
20	QPSK	50	50	21.52	21.49	21.37				
20	QPSK	100	0	21.45	21.54	21.47	22.5	0		
20	16QAM	1	0	21.49	21.53	21.47				
20	16QAM	1	49	21.32	21.51	21.33				
20	16QAM	1	99	21.35	21.47	21.38	22.5	0		
20	16QAM	50	0	21.38	21.50	21.31				
20	16QAM	50	24	21.32	21.38	21.35				
20	16QAM	50	50	21.40	21.41	21.23	22.5	0		
20	16QAM	100	0	21.40	21.50	21.41				
20	64QAM	1	0	21.41	21.49	21.48				
20	64QAM	1	49	21.40	21.56	21.24	22.5	0		
20	64QAM	1	99	21.43	21.49	21.37				
20	64QAM	50	0	21.41	21.51	21.26				
20	64QAM	50	24	21.38	21.43	21.33	22.5	0		
20	64QAM	50	50	21.47	21.42	21.26				
20	64QAM	100	0	21.40	21.46	21.40				
20	256QAM	1	0	19.54	19.65	19.49	20.5	2		
20	256QAM	1	49	19.47	19.64	19.40				
20	256QAM	1	99	19.47	19.54	19.41				
20	256QAM	50	0	19.46	19.54	19.35	20.5	2		
20	256QAM	50	24	19.46	19.45	19.36				
20	256QAM	50	50	19.54	19.45	19.42				
20	256QAM	100	0	19.42	19.58	19.51	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	21.43	21.57	21.46				
15	QPSK	1	37	21.38	21.44	21.23	22.5	0		
15	QPSK	1	74	21.41	21.52	21.41				
15	QPSK	36	0	21.46	21.52	21.23				
15	QPSK	36	20	21.34	21.36	21.34	22.5	0		
15	QPSK	36	39	21.46	21.35	21.30				
15	QPSK	75	0	21.37	21.45	21.36				
15	16QAM	1	0	21.35	21.42	21.44	22.5	0		
15	16QAM	1	37	21.23	21.38	21.20				
15	16QAM	1	74	21.25	21.39	21.26				
15	16QAM	36	0	21.35	21.42	21.21	22.5	0		
15	16QAM	36	20	21.27	21.27	21.26				
15	16QAM	36	39	21.37	21.34	21.16				
15	16QAM	75	0	21.26	21.38	21.30	22.5	0		
15	64QAM	1	0	21.28	21.36	21.42				
15	64QAM	1	37	21.27	21.44	21.15			22.5	0
15	64QAM	1	74	21.40	21.38	21.33				
15	64QAM	36	0	21.28	21.37	21.18	22.5	0		
15	64QAM	36	20	21.31	21.32	21.20				
15	64QAM	36	39	21.38	21.28	21.16			20.5	2
15	64QAM	75	0	21.31	21.40	21.34				
15	256QAM	1	0	19.44	19.51	19.36	20.5	2		
15	256QAM	1	37	19.44	19.60	19.34				
15	256QAM	1	74	19.37	19.40	19.27				
15	256QAM	36	0	19.43	19.50	19.28	20.5	2		
15	256QAM	36	20	19.37	19.34	19.24				
15	256QAM	36	39	19.46	19.39	19.39				
15	256QAM	75	0	19.29	19.48	19.48	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	21.46	21.52	21.38				
10	QPSK	1	25	21.41	21.45	21.31	22.5	0		
10	QPSK	1	49	21.46	21.51	21.41				
10	QPSK	25	0	21.41	21.49	21.28				
10	QPSK	25	12	21.32	21.38	21.35	22.5	0		
10	QPSK	25	25	21.38	21.42	21.27				
10	QPSK	50	0	21.40	21.49	21.36				
10	16QAM	1	0	21.40	21.49	21.43	22.5	0		
10	16QAM	1	25	21.27	21.41	21.28				
10	16QAM	1	49	21.24	21.38	21.27				
10	16QAM	25	0	21.31	21.36	21.27	22.5	0		
10	16QAM	25	12	21.19	21.26	21.30				
10	16QAM	25	25	21.31	21.35	21.12				
10	16QAM	50	0	21.38	21.42	21.36	22.5	0		
10	64QAM	1	0	21.31	21.45	21.38				
10	64QAM	1	25	21.28	21.42	21.18			22.5	0
10	64QAM	1	49	21.34	21.43	21.24				
10	64QAM	25	0	21.30	21.39	21.18	22.5	0		
10	64QAM	25	12	21.31	21.41	21.29				
10	64QAM	25	25	21.35	21.32	21.15				
10	64QAM	50	0	21.29	21.33	21.33	20.5	2		
10	256QAM	1	0	19.41	19.55	19.45				
10	256QAM	1	25	19.42	19.53	19.33			20.5	2
10	256QAM	1	49	19.43	19.46	19.29				
10	256QAM	25	0	19.34	19.41	19.30				
10	256QAM	25	12	19.33	19.34	19.32	20.5	2		
10	256QAM	25	25	19.49	19.37	19.35				
10	256QAM	50	0	19.30	19.55	19.40				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3421.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.45	21.56	21.43				
5	QPSK	1	12	21.29	21.54	21.28	22.5	0		
5	QPSK	1	24	21.45	21.46	21.32				
5	QPSK	12	0	21.35	21.54	21.23				
5	QPSK	12	7	21.36	21.58	21.23	22.5	0		
5	QPSK	12	13	21.45	21.39	21.30				
5	QPSK	25	0	21.42	21.42	21.36				
5	16QAM	1	0	21.35	21.42	21.36	22.5	0		
5	16QAM	1	12	21.23	21.45	21.29				
5	16QAM	1	24	21.31	21.35	21.32			22.5	0
5	16QAM	12	0	21.33	21.47	21.24				
5	16QAM	12	7	21.25	21.34	21.32	22.5	0		
5	16QAM	12	13	21.34	21.30	21.17				
5	16QAM	25	0	21.37	21.46	21.34				
5	64QAM	1	0	21.35	21.44	21.40	22.5	0		
5	64QAM	1	12	21.27	21.53	21.14				
5	64QAM	1	24	21.36	21.41	21.25				
5	64QAM	12	0	21.33	21.44	21.14	22.5	0		
5	64QAM	12	7	21.34	21.31	21.23				
5	64QAM	12	13	21.44	21.35	21.17				
5	64QAM	25	0	21.27	21.34	21.24	20.5	2		
5	256QAM	1	0	19.51	19.62	19.46				
5	256QAM	1	12	19.42	19.59	19.29				
5	256QAM	1	24	19.37	19.49	19.36	20.5	2		
5	256QAM	12	0	19.37	19.51	19.25				
5	256QAM	12	7	19.33	19.39	19.29				
5	256QAM	12	13	19.42	19.34	19.24	20.5	2		
5	256QAM	25	0	19.39	19.47	19.45				

Band 42 Part 27Q Ant 7 DSI 4									
BW (MHz)	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)				5460	5500	5540			
20	QPSK	1	0	20.79	20.81	20.75	22	0	
20	QPSK	1	49	20.70	20.78	20.88			
20	QPSK	1	99	20.74	20.69	20.88	22	0	
20	QPSK	50	0	20.66	20.78	20.84			
20	QPSK	50	24	20.71	20.72	20.62	22	0	
20	QPSK	50	50	20.68	20.75	20.65			
20	QPSK	100	0	20.75	20.75	20.72	22	0	
20	16QAM	1	0	20.65	20.69	20.73			
20	16QAM	1	49	20.66	20.75	20.56	22	0	
20	16QAM	1	99	20.61	20.59	20.66			
20	16QAM	50	0	20.62	20.69	20.52	22	0	
20	16QAM	50	24	20.68	20.59	20.57			
20	16QAM	50	50	20.66	20.72	20.62	22	0	
20	16QAM	100	0	20.66	20.66	20.65			
20	64QAM	1	0	20.74	20.70	20.67	22	0	
20	64QAM	1	49	20.64	20.73	20.56			
20	64QAM	1	99	20.66	20.63	20.58	21	1	
20	64QAM	50	0	19.73	19.78	19.72			
20	64QAM	50	24	19.65	19.78	19.71	21	1	
20	64QAM	50	50	19.71	19.74	19.74			
20	64QAM	100	0	19.63	19.77	19.66	19	3	
20	256QAM	1	0	17.83	17.79	17.69			
20	256QAM	1	49	17.69	17.73	17.62	19	3	
20	256QAM	1	99	17.76	17.71	17.62			
20	256QAM	50	0	17.70	17.76	17.65	19	3	
20	256QAM	50	24	17.69	17.68	17.58			
20	256QAM	50	50	17.71	17.80	17.63	19	3	
20	256QAM	100	0	17.72	17.71	17.75			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3421.5	3500	3542.5			
15	QPSK	1	0	20.69	20.75	20.61	22	0	
15	QPSK	1	37	20.57	20.66	20.65			
15	QPSK	1	74	20.65	20.62	20.56	22	0	
15	QPSK	36	0	20.62	20.67	20.55			
15	QPSK	36	20	20.63	20.64	20.51	22	0	
15	QPSK	36	39	20.66	20.71	20.58			
15	QPSK	75	0	20.73	20.65	20.64	22	0	
15	16QAM	1	0	20.62	20.56	20.69			
15	16QAM	1	37	20.60	20.66	20.45	22	0	
15	16QAM	1	74	20.48	20.48	20.63			
15	16QAM	36	0	20.54	20.57	20.45	22	0	
15	16QAM	36	20	20.65	20.45	20.50			
15	16QAM	36	39	20.54	20.58	20.49	22	0	
15	16QAM	75	0	20.66	20.56	20.60			
15	64QAM	1	0	20.65	20.57	20.56	22	0	
15	64QAM	1	37	20.52	20.69	20.51			
15	64QAM	1	74	20.58	20.60	20.53	21	1	
15	64QAM	36	0	19.70	19.72	19.59			
15	64QAM	36	20	19.60	19.74	19.65	19	3	
15	64QAM	36	39	19.65	19.65	19.71			
15	64QAM	75	0	19.56	19.64	19.61	19	3	
15	256QAM	1	0	17.70	17.68	17.55			
15	256QAM	1	37	17.66	17.66	17.58	19	3	
15	256QAM	1	74	17.64	17.61	17.59			
15	256QAM	36	0	17.59	17.65	17.54	19	3	
15	256QAM	36	20	17.57	17.62	17.49			
15	256QAM	36	39	17.69	17.73	17.56	19	3	
15	256QAM	75	0	17.64	17.64	17.67			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.69	20.69	20.67	22	0	
10	QPSK	1	25	20.66	20.72	20.65			
10	QPSK	1	49	20.63	20.66	20.57	22	0	
10	QPSK	25	0	20.58	20.72	20.54			
10	QPSK	25	12	20.57	20.68	20.58	22	0	
10	QPSK	25	25	20.55	20.70	20.57			
10	QPSK	50	0	20.72	20.66	20.67	22	0	
10	16QAM	1	0	20.61	20.57	20.70			
10	16QAM	1	25	20.62	20.70	20.51	22	0	
10	16QAM	1	49	20.55	20.47	20.64			
10	16QAM	25	0	20.51	20.58	20.49	22	0	
10	16QAM	25	12	20.57	20.56	20.49			
10	16QAM	25	25	20.63	20.64	20.56	22	0	
10	16QAM	50	0	20.60	20.55	20.54			
10	64QAM	1	0	20.61	20.56	20.59	22	0	
10	64QAM	1	25	20.58	20.63	20.54			
10	64QAM	1	49	20.60	20.53	20.45	21	1	
10	64QAM	25	0	19.69	19.69	19.64			
10	64QAM	25	12	19.59	19.68	19.63	19	3	
10	64QAM	25	25	19.69	19.71	19.69			
10	64QAM	50	0	19.62	19.68	19.63	19	3	
10	256QAM	1	0	17.72	17.71	17.59			
10	256QAM	1	25	17.58	17.69	17.53	19	3	
10	256QAM	1	49	17.70	17.59	17.48			
10	256QAM	25	0	17.61	17.73	17.54	19	3	
10	256QAM	25	12	17.59	17.63	17.50			
10	256QAM	25	25	17.57	17.78	17.53	19	3	
10	256QAM	50	0	17.62	17.57	17.64			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3523	3500	3547.5			
5	QPSK	1	0	20.73	20.67	20.71	22	0	
5	QPSK	1	12	20.64	20.68	20.65			
5	QPSK	1	24	20.71	20.59	20.56	22	0	
5	QPSK	12	0	20.58	20.65	20.54			
5	QPSK	12	7	20.67	20.70	20.52	22	0	
5	QPSK	12	13	20.54	20.70	20.52			
5	QPSK	25	0	20.66	20.72	20.66	22	0	
5	16QAM	1	0	20.55	20.63	20.71			
5	16QAM	1	12	20.52	20.63	20.43	22	0	
5	16QAM	1	24	20.58	20.50	20.63			
5	16QAM	12	0	20.52	20.59	20.48	22	0	
5	16QAM	12	7	20.57	20.51	20.53			
5	16QAM	12	13	20.62	20.70	20.55	22	0	
5	16QAM	25	0	20.64	20.59	20.59			
5	64QAM	1	0	20.69	20.66	20.60	22	0	
5	64QAM	1	12	20.52	20.71	20.50			
5	64QAM	1	24	20.61	20.56	20.48	21	1	
5	64QAM	12	0	19.66	19.76	19.63			
5	64QAM	12	7	19.63	19.71	19.62	19	3	
5	64QAM	12	13	19.59	19.64	19.69			
5	64QAM	25	0	19.53	19.66	19.54	19	3	
5	256QAM	1	0	17.61	17.66	17.57			
5	256QAM	1	12	17.58	17.67	17.57	19	3	
5	256QAM	1	24	17.71	17.62	17.60			
5	256QAM	12	0	17.64	17.70	17.63	19	3	
5	256QAM	12	7	17.64	17.58	17.45			
5	256QAM	12	13	17.64	17.76	17.52	19	3	
5	256QAM	25	0	17.70	17.67	17.61			

Band 48 Ant 7 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)				55360	55830	56160	56630		
				3550	3600	3660	3690		
20	QPSK	1	0	22.15	22.23	22.20	22.16	23.5	0
20	QPSK	1	49	22.05	22.16	22.12	22.06		
20	QPSK	1	99	22.03	22.12	22.16	22.10		
20	QPSK	50	0	21.18	21.25	21.15	21.16		
20	QPSK	50	24	21.08	21.12	21.12	21.06	22.5	1
20	QPSK	50	50	21.02	21.15	21.21	21.05		
20	QPSK	100	0	21.11	21.21	21.19	21.19		
20	16QAM	1	0	21.19	21.16	21.24	21.15		
20	16QAM	1	49	21.03	21.17	21.08	21.01	22.5	1
20	16QAM	1	99	21.00	21.17	21.22	21.15		
20	16QAM	50	0	20.45	20.22	20.12	20.13		
20	16QAM	50	24	20.03	20.16	20.15	20.08		
20	16QAM	50	50	19.97	20.20	20.17	20.01	21.5	2
20	16QAM	100	0	20.14	20.20	20.24	20.14		
20	64QAM	1	0	20.19	20.13	20.26	20.17		
20	64QAM	1	49	20.07	20.14	20.12	19.96		
20	64QAM	1	99	19.99	20.14	20.26	20.17	20.5	3
20	64QAM	50	0	19.17	19.23	19.18	19.13		
20	64QAM	50	24	19.00	19.11	19.20	19.02		
20	64QAM	50	50	19.01	19.12	19.25	19.07		
20	64QAM	100	0	19.08	19.16	19.20	19.13	18.5	5
20	256QAM	1	0	17.17	17.24	17.24	17.19		
20	256QAM	1	49	17.06	17.13	17.15	17.04		
20	256QAM	1	99	16.98	17.20	17.17	17.00		
20	256QAM	50	0	17.10	17.22	17.20	17.21	18.5	5
20	256QAM	50	24	17.25	17.24	17.24	17.14		
20	256QAM	50	50	16.99	17.18	17.03	17.04		
20	256QAM	100	0	16.98	17.19	17.26	17.19		
Channel				55315	55520	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.04	22.20	22.10	22.10	23.5	0
15	QPSK	1	37	22.02	22.13	21.99	21.97		
15	QPSK	1	74	21.90	22.01	22.07	22.02		
15	QPSK	36	0	21.13	21.19	21.10	21.11		
15	QPSK	36	20	21.02	21.08	21.14	20.96	22.5	1
15	QPSK	36	39	20.89	21.03	21.19	20.94		
15	QPSK	75	0	21.04	21.15	21.16	21.05		
15	16QAM	1	0	21.07	21.16	21.20	21.08		
15	16QAM	1	37	20.96	21.05	20.95	20.96	22.5	1
15	16QAM	1	74	20.91	21.10	21.16	21.04		
15	16QAM	36	0	20.06	20.11	20.08	20.08		
15	16QAM	36	20	19.92	20.03	20.01	19.98		
15	16QAM	36	39	19.89	20.13	20.08	19.91	21.5	2
15	16QAM	75	0	20.11	20.05	20.21	20.03		
15	84QAM	1	0	20.15	20.03	20.19	20.06		
15	84QAM	1	37	19.98	20.09	20.03	19.91		
15	84QAM	1	74	19.90	20.01	20.22	20.05	21.5	2
15	84QAM	36	0	19.11	19.12	19.04	19.01		
15	84QAM	36	20	18.91	18.98	19.18	18.90		
15	84QAM	36	39	18.91	19.03	19.15	18.15		
15	84QAM	75	0	18.98	19.08	19.17	19.01	20.5	3
15	256QAM	1	0	17.04	17.18	17.03	17.11		
15	256QAM	1	37	16.94	17.00	17.10	16.91		
15	256QAM	1	74	16.90	17.10	17.10	16.04		
15	256QAM	36	0	17.00	17.17	17.13	17.16	18.5	5
15	256QAM	36	20	17.22	17.18	17.16	17.10		
15	256QAM	36	39	16.90	17.11	16.90	16.99		
15	256QAM	75	0	16.86	17.16	17.24	17.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.11	22.18	22.08	22.10	23.5	0
10	QPSK	1	25	21.96	22.09	22.07	21.96		
10	QPSK	1	49	21.96	22.09	22.03	21.98		
10	QPSK	25	0	21.11	21.17	21.13	21.12		
10	QPSK	25	12	21.00	21.05	21.06	21.01	22.5	1
10	QPSK	25	25	20.96	21.11	21.15	20.97		
10	QPSK	50	0	21.07	21.10	21.12	21.06		
10	16QAM	1	0	21.14	21.06	21.13	21.04		
10	16QAM	1	25	20.99	21.12	21.04	20.92	22.5	1
10	16QAM	1	49	20.95	21.10	21.10	21.05		
10	16QAM	25	0	20.05	20.15	20.06	20.05		
10	16QAM	25	25	20.00	20.05	20.15	19.97		
10	16QAM	25	25	19.93	20.11	20.04	19.90	21.5	2
10	16QAM	50	0	20.09	20.15	20.13	20.08		
10	64QAM	1	0	20.16	20.01	20.16	20.04		
10	64QAM	1	25	19.93	20.03	20.03	19.84		
10	64QAM	1	49	19.93	20.08	20.20	20.12	20.5	3
10	64QAM	1	99	19.12	19.13	19.03	19.01		
10	64QAM	25	12	18.87	19.07	19.11	18.98		
10	64QAM	25	25	18.92	19.04	19.23	19.05		
10	64QAM	50	0	18.96	19.14	19.08	19.11	18.5	5
10	256QAM	1	0	17.14	17.17	17.02	17.17		
10	256QAM	1	25	17.00	17.09	17.12	16.98		
10	256QAM	1	49	16.87	17.09	17.10	16.95		
10	256QAM	25	0	16.97	17.17	17.14	17.08	18.5	5
10	256QAM	25	12	17.18	17.10	17.16	17.07		
10	256QAM	25	25	16.96	17.04	16.92	16.90		
10	256QAM	50	0	16.90	17.07	17.14	17.14		
Channel				35535	35810	36415	36915	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.10	22.11	22.13	22.08	23.5	0
5	QPSK	1	12	21.95	22.08	22.05	21.98		
5	QPSK	1	24	22.00	22.04	22.12	22.08		
5	QPSK	12	0	21.05	21.23	21.06	21.05		
5	QPSK	12	6	20.95	21.19	21.03	20.94	22.5	1
5	QPSK	12	13	20.94	21.03	21.18	20.92		
5	QPSK	25	0	21.09	21.16	21.08	21.16		
5	16QAM	1	0	21.13	21.14	21.20	21.09		
5	16QAM	1	12	20.99	21.08	20.97	20.91	22.5	1
5	16QAM	1	24	20.89	21.09	21.11	21.07		
5	16QAM	12	0	20.09	20.11	20.08	20.10		
5	16QAM	12	7	19.92	20.05	20.08	19.97		
5	16QAM	25	0	20.04	20.11	20.14	20.08	21.5	2
5	16QAM	25	1	20.14	20.11	20.23	20.04		
5	84QAM	1	24	19.94	20.01	20.23	20.15		
5	84QAM	12	0	19.14	19.14	19.13	19.04		
5	84QAM	12	7	18.97	18.98	19.09	18.97	20.5	3
5	84QAM	12	13	18.89	19.09	19.14	18.96		
5	84QAM	25	0	19.01	19.05	19.07	19.10		
5	256QAM	1	0	17.05	17.18	17.08	17.17		
5	256QAM	1	12	16.95	17.05	17.04	16.91	18.5	5
5	256QAM	1	24	16.90	17.08	17.06	16.86		
5	256QAM	12	0	16.97	17.17	17.14	17.07		
5	256QAM	12	7	17.21	17.17	17.14	17.05		
5	256QAM	12	13	16.92	17.12	16.95	16.92	18.5	5
5	256QAM	25	0	16.89	17.17	17.12	17.17		



Full & Default Power

Band 2 other PA Ant 2									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. 18700	Power Ch./Freq. 18900	Power Ch./Freq. 19100	Turn-up rate (dB)	MPR (dB)	
Channel									
20	QPSK	1	0	23.01	23.03	22.98			
20	QPSK	1	49	22.93	23.01	22.98			24
20	QPSK	1	99	22.97	22.94	22.95			
20	QPSK	50	0	22.93	22.93	22.93			
20	QPSK	50	24	22.92	22.92	21.98			
20	QPSK	50	50	21.94	22.02	21.98	23	1	
20	QPSK	100	0	21.87	22.00	21.98			
20	QPSK	100	24	22.00	22.01	21.97			
20	QPSK	1	49	21.89	21.98	21.98	23	1	
20	QPSK	1	99	21.91	21.98	21.98			
20	QPSK	50	0	20.99	21.00	20.99			
20	QPSK	50	24	21.00	21.02	20.97	22	2	
20	QPSK	50	50	20.94	20.96	20.98			
20	QPSK	1	0	20.96	21.02	20.99			
20	QPSK	1	49	20.98	21.05	20.98			
20	QPSK	50	0	19.98	20.05	20.04			
20	QPSK	50	24	20.03	19.98	19.98	21	3	
20	QPSK	50	50	19.96	19.97	19.94			
20	QPSK	100	0	19.93	20.04	19.92			
20	QPSK	100	24	19.93	19.91	17.99			
20	QPSK	1	49	17.97	17.95	17.95	19		
20	QPSK	1	99	17.99	17.98	17.95			
20	QPSK	50	0	18.00	18.04	17.98			
20	QPSK	50	24	18.00	17.98	17.91	19		
20	QPSK	50	50	17.99	18.00	17.98			
20	QPSK	100	0	17.92	18.06	17.98			
Channel									
Frequency (MHz)	18075	18060	18135	Turn-up rate (dB)	MPR (dB)				
16	QPSK	1	0	23.00	23.01	22.97			
16	QPSK	1	37	22.87	22.98	22.98	24	0	
16	QPSK	1	74	22.81	23.01	22.93			
16	QPSK	36	0	21.92	21.96	21.95			
16	QPSK	36	20	21.96	21.92	21.90	23	1	
16	QPSK	36	50	21.94	21.92	21.90			
16	QPSK	75	0	21.81	21.90	21.75			
16	QPSK	1	0	22.91	21.90	21.88	23	1	
16	QPSK	1	37	21.79	21.90	21.88			
16	QPSK	1	74	21.83	21.98	21.85			
16	QPSK	36	0	21.82	21.90	21.85			
16	QPSK	36	20	21.00	20.96	20.91	22	2	
16	QPSK	36	50	20.87	20.85	20.88			
16	QPSK	75	0	19.93	19.94	19.92			
16	QPSK	1	0	20.91	20.97	20.97	22	2	
16	QPSK	1	37	20.92	20.99	20.97			
16	QPSK	1	74	20.95	20.95	20.95			
16	QPSK	36	0	19.88	19.97	19.95			
16	QPSK	36	20	20.03	19.91	19.92	21	3	
16	QPSK	36	50	19.94	19.94	19.92			
16	QPSK	75	0	18.97	19.99	19.95			
16	QPSK	1	0	18.93	17.99	17.95	19	5	
16	QPSK	1	37	17.97	17.94	17.95			
16	QPSK	1	74	17.87	17.95	17.79			
16	QPSK	36	0	17.89	17.94	17.85	19	5	
16	QPSK	36	20	17.90	17.87	17.84			
16	QPSK	36	50	17.88	17.85	17.89			
16	QPSK	75	0	17.84	17.99	17.85			
Channel									
Frequency (MHz)	18050	18060	18135	Turn-up rate (dB)	MPR (dB)				
10	QPSK	1	0	23.00	23.01	22.97			
10	QPSK	1	35	22.88	22.95	22.97	24	0	
10	QPSK	1	49	22.84	22.98	22.87			
10	QPSK	25	12	21.99	21.99	21.87	23	1	
10	QPSK	25	25	21.88	22.00	21.94			
10	QPSK	50	0	21.86	21.99	21.78			
10	QPSK	1	0	22.02	21.94	21.97	23	1	
10	QPSK	1	49	21.84	21.99	21.85			
10	QPSK	25	0	20.96	20.98	20.98			
10	QPSK	25	12	20.94	20.96	20.95	22	2	
10	QPSK	25	25	20.97	20.94	20.95			
10	QPSK	1	0	20.94	20.94	20.95			
10	QPSK	1	25	20.96	20.96	20.94	22	2	
10	QPSK	1	49	20.90	20.93	20.92			
10	QPSK	25	0	19.93	20.00	19.94			
10	QPSK	25	12	20.03	19.96	19.94	21	3	
10	QPSK	25	25	19.96	19.97	19.95			
10	QPSK	1	0	19.93	20.00	19.93			
10	QPSK	1	25	17.96	18.00	17.94	19	5	
10	QPSK	1	49	17.98	17.94	17.85			
10	QPSK	25	0	17.88	17.98	17.92			
10	QPSK	25	12	17.89	17.86	17.86	19	5	
10	QPSK	25	25	17.87	17.88	17.87			
10	QPSK	50	0	17.82	18.04	17.80			
Channel									
Frequency (MHz)	18025	18050	18075	Turn-up rate (dB)	MPR (dB)				
5	QPSK	1	0	22.91	23.00	22.94			
5	QPSK	1	24	22.85	22.95	22.93	24	0	
5	QPSK	1	49	22.80	22.95	22.83			
5	QPSK	12	0	22.00	21.98	21.87			
5	QPSK	12	13	22.01	22.01	21.87	23	1	
5	QPSK	25	0	21.82	21.90	21.85			
5	QPSK	25	12	22.00	21.93	21.88	23	1	
5	QPSK	1	0	21.80	21.97	21.85			
5	QPSK	1	12	21.83	21.97	21.95	23	1	
5	QPSK	1	24	21.86	21.95	21.87			
5	QPSK	1	49	20.94	20.96	20.95			
5	QPSK	12	0	20.96	20.91	20.84	22	2	
5	QPSK	12	13	20.95	20.95	20.88			
5	QPSK	25	0	20.72	20.96	20.71			
5	QPSK	25	12	20.85	21.00	20.93	22	2	
5	QPSK	1	0	20.88	21.06	20.77			
5	QPSK	1	24	20.87	21.06	20.77			
5	QPSK	12	0	19.86	20.00	19.95			
5	QPSK	12	13	19.91	19.96	19.91	21	3	
5	QPSK	25	0	19.86	19.92	19.89			
5	QPSK	25	12	17.86	18.00	17.80	19	5	
5	QPSK	1	0	17.80	17.94	17.83			
5	QPSK	1	24	17.82	17.93	17.87			
5	QPSK	12	7	17.83	17.92	17.82	19	5	
5	QPSK	12	13	17.80	17.87	17.85			
5	QPSK	25	0	17.81	18.01	17.81			
Channel									
Frequency (MHz)	18015	18060	18135	Turn-up rate (dB)	MPR (dB)				
14	QPSK	1	0	22.99	23.03	22.94			
14	QPSK	1	8	22.91	22.95	22.95	24	0	
14	QPSK	1	24	22.85	22.98	22.95			
14	QPSK	1	49	22.80	22.98	22.88			
14	QPSK	3	1	22.89	22.96	22.88			
14	QPSK	3	3	22.82	22.94	22.92	23	1	
14	QPSK	3	15	21.86	21.98	21.88			
14	QPSK	15	0	21.76	21.92	21.88			
14	QPSK	1	0	22.04	21.99	21.97	23	1	
14	QPSK	1	8	21.82	21.98	21.87			
14	QPSK	1	14	21.84	21.95	21.83			
14	QPSK	3	0	20.94	20.96	20.95			
14	QPSK	3	15	20.97	20.96	20.97	22	2	
14	QPSK	1	0	20.93	20.98	20.98			
14	QPSK	3	0	19.98	20.04	19.98			
14	QPSK	3	15	19.99	19.99	19.98	21	3	
14	QPSK	3	3	19.99	19.99	19.98			
14	QPSK	15	0	18.92	19.95	19.86			
14	QPSK	1	0	17.82	17.98	17.89			
14	QPSK	1	14	17.87	17.96	17.88			
14	QPSK	1	24	17.86	17.95	17.88			
14	QPSK	3	0	17.80	17.95	17.84	19	5	
14	QPSK	3	15	17.84	17.89	17.85			
14	QPSK	15	0	17.87	18.03	17.85			

Band 38 other PA 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 Frequency (MHz)				37650	38000	38150			
20	QPSK	1	0	23.21	23.28	23.22	24	0	
20	QPSK	1	49	23.20	23.26	23.19			
20	QPSK	1	99	23.20	23.26	23.18			
20	QPSK	50	0	22.23	22.24	22.22	23	1	
20	QPSK	50	24	22.25	22.22	22.24			
20	QPSK	50	50	22.19	22.30	22.21			
20	QPSK	100	0	22.18	22.20	22.23	23	1	
20	16QAM	1	0	22.23	22.22	22.27			
20	16QAM	1	49	22.18	22.22	22.24			
20	16QAM	1	99	22.17	22.23	22.18	22	2	
20	16QAM	50	0	21.19	21.30	21.27			
20	16QAM	50	24	21.25	21.21	21.25			
20	16QAM	50	50	21.15	21.33	21.20	22	2	
20	16QAM	100	0	21.16	21.23	21.20			
20	64QAM	1	0	21.26	21.22	21.24			
20	64QAM	1	49	21.21	21.28	21.19	22	2	
20	64QAM	1	99	21.23	21.22	21.15			
20	64QAM	50	0	20.27	20.29	20.27			
20	64QAM	50	24	20.29	20.18	20.18	21	3	
20	64QAM	50	50	20.25	20.31	20.26			
20	64QAM	100	0	20.18	20.23	20.20			
20	256QAM	1	0	18.25	18.32	18.23	19	5	
20	256QAM	1	49	18.25	18.21	18.21			
20	256QAM	1	99	18.22	18.25	18.13			
20	256QAM	50	0	18.23	18.25	18.27	19	5	
20	256QAM	50	24	18.25	18.19	18.24			
20	256QAM	50	50	18.18	18.27	18.26			
20	256QAM	100	0	18.21	18.26	18.24			
Channel Frequency (MHz)				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.19	23.24	23.17	24	0	
15	QPSK	1	37	23.19	23.23	23.14			
15	QPSK	1	74	23.19	23.25	23.17			
15	QPSK	36	0	22.22	22.20	22.22	23	1	
15	QPSK	36	20	22.22	22.11	22.19			
15	QPSK	36	39	22.08	22.21	22.17			
15	QPSK	75	0	22.14	22.18	22.20	23	1	
15	16QAM	1	0	22.13	22.19	22.18			
15	16QAM	1	37	22.11	22.12	22.14			
15	16QAM	1	74	22.17	22.20	22.16	22	2	
15	16QAM	36	0	21.17	21.25	21.25			
15	16QAM	36	20	21.24	21.09	21.21			
15	16QAM	36	39	21.06	21.29	21.10	22	2	
15	16QAM	75	0	21.13	21.23	21.18			
15	64QAM	1	0	21.23	21.22	21.19			
15	64QAM	1	37	21.21	21.18	21.09	22	2	
15	64QAM	1	74	21.22	21.20	21.06			
15	64QAM	36	0	20.20	20.26	20.21			
15	64QAM	36	20	20.29	20.07	20.10	21	3	
15	64QAM	36	39	20.14	20.25	20.21			
15	64QAM	75	0	20.17	20.20	20.20			
15	256QAM	1	0	18.17	18.24	18.23	19	5	
15	256QAM	1	37	18.25	18.12	18.17			
15	256QAM	1	74	18.20	18.14	18.11			
15	256QAM	36	0	18.23	18.16	18.17	19	5	
15	256QAM	36	20	18.22	18.16	18.24			
15	256QAM	36	39	18.16	18.16	18.26			
15	256QAM	75	0	18.21	18.15	18.14			
Channel Frequency (MHz)				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.73	23.90	24.15	24	0	
10	QPSK	1	25	23.18	23.15	23.08			
10	QPSK	1	49	23.20	23.15	23.14			
10	QPSK	25	0	22.16	22.13	22.13	23	1	
10	QPSK	25	12	22.13	22.14	22.16			
10	QPSK	25	25	22.16	22.28	22.12			
10	QPSK	50	0	22.12	22.09	22.11	23	1	
10	16QAM	1	0	22.12	22.15	22.22			
10	16QAM	1	25	22.12	22.19	22.17			
10	16QAM	1	49	22.10	22.16	22.12	22	2	
10	16QAM	25	0	21.10	21.24	21.26			
10	16QAM	25	12	21.15	21.15	21.25			
10	16QAM	25	25	21.10	21.27	21.18	22	2	
10	16QAM	50	0	21.06	21.14	21.12			
10	64QAM	1	0	21.21	21.20	21.13			
10	64QAM	1	25	21.14	21.16	21.19	22	2	
10	64QAM	1	49	21.14	21.21	21.14			
10	64QAM	25	0	20.20	20.26	20.20			
10	64QAM	25	12	20.23	20.11	20.10	21	3	
10	64QAM	25	25	20.19	20.20	20.15			
10	64QAM	50	0	20.11	20.22	20.15			
10	256QAM	1	0	18.20	18.24	18.18	19	5	
10	256QAM	1	25	18.26	18.15	18.19			
10	256QAM	1	49	18.15	18.20	18.02			
10	256QAM	25	0	18.16	18.20	18.20	19	5	
10	256QAM	25	12	18.16	18.11	18.15			
10	256QAM	25	25	18.11	18.16	18.14			
10	256QAM	50	0	18.16	18.24	18.16			
Channel Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.12	23.26	23.16	24	0	
5	QPSK	1	12	23.12	23.25	23.08			
5	QPSK	1	24	23.12	23.22	23.16			
5	QPSK	12	0	22.21	22.14	22.19	23	1	
5	QPSK	12	7	22.24	22.15	22.22			
5	QPSK	12	13	22.09	22.28	22.17			
5	QPSK	25	0	22.11	22.16	22.17	23	1	
5	16QAM	1	0	22.17	22.15	22.27			
5	16QAM	1	12	22.09	22.21	22.14			
5	16QAM	1	24	22.16	22.22	22.10	22	2	
5	16QAM	12	0	21.16	21.18	21.17			
5	16QAM	12	7	21.20	21.16	21.24			
5	16QAM	12	13	21.12	21.27	21.18	22	2	
5	16QAM	25	0	21.14	21.12	21.20			
5	64QAM	1	0	21.23	21.17	21.15			
5	64QAM	1	12	21.15	21.25	21.18	22	2	
5	64QAM	1	24	21.20	21.22	21.05			
5	64QAM	12	0	20.25	20.23	20.26			
5	64QAM	12	7	20.20	20.10	20.07	21	3	
5	64QAM	12	13	20.18	20.21	20.21			
5	64QAM	25	0	20.12	20.14	20.19			
5	256QAM	1	0	18.14	18.21	18.18	19	5	
5	256QAM	1	12	18.23	18.16	18.17			
5	256QAM	1	24	18.14	18.15	18.09			
5	256QAM	12	0	18.16	18.14	18.21	19	5	
5	256QAM	12	7	18.15	18.13	18.13			
5	256QAM	12	13	18.07	18.17	18.23			
5	256QAM	25	0	18.20	18.15	18.23			

Band 41 other PA Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Low Middle Ch./Freq	Power Middle Ch./Freq	Power High Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.21	23.29	23.30	23.28	23.25	24	0
20	QPSK	1	49	23.25	23.27	23.28	23.22	23.19		
20	QPSK	1	99	23.20	23.26	23.28	23.25	23.16		
20	QPSK	50	0	22.16	22.32	22.31	22.26	22.24		
20	QPSK	50	1	22.19	22.28	22.29	22.34	22.28	23	1
20	QPSK	50	50	22.21	22.29	22.29	22.21	22.16		
20	QPSK	100	0	22.15	22.22	22.26	22.25	22.12		
20	16QAM	1	0	22.26	22.33	22.28	22.30	22.28		
20	16QAM	1	49	22.30	22.22	22.33	22.17	22.24	23	1
20	16QAM	1	99	22.15	22.30	22.28	22.31	22.15		
20	16QAM	50	0	21.16	21.34	21.30	21.21	21.32		
20	16QAM	50	24	21.22	21.30	21.25	21.30	21.24		
20	16QAM	50	50	21.19	21.35	21.24	21.27	21.18	22	2
20	16QAM	100	0	21.17	21.23	21.24	21.20	21.16		
20	64QAM	1	0	21.25	21.28	21.30	21.32	21.20		
20	64QAM	1	49	21.30	21.32	21.30	21.24	21.24		
20	64QAM	1	99	21.25	21.24	21.33	21.19	21.11	22	2
20	64QAM	50	0	20.12	20.32	20.37	20.21	20.27		
20	64QAM	50	24	20.22	20.26	20.25	20.35	20.21		
20	64QAM	50	50	20.24	20.25	20.24	20.17	20.12		
20	256QAM	100	0	20.19	20.24	20.29	20.31	20.17	19	5
20	256QAM	1	0	18.18	18.27	18.27	18.32	18.22		
20	256QAM	1	49	18.23	18.21	18.26	18.26	18.19		
20	256QAM	1	99	18.20	18.30	18.24	18.29	18.13		
20	256QAM	50	0	18.17	18.33	18.30	18.26	18.19	19	5
20	256QAM	50	24	18.14	18.26	18.35	18.35	18.26		
20	256QAM	50	50	18.19	18.29	18.31	18.21	18.17		
20	256QAM	100	0	18.18	18.24	18.26	18.26	18.14		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.15	23.28	23.28	23.22	23.22	24.00	0
15	QPSK	1	37	23.23	23.19	23.16	23.16	23.18		
15	QPSK	1	74	23.18	23.26	23.23	23.23	23.12		
15	QPSK	36	0	22.11	22.32	22.28	22.24	22.17		
15	QPSK	36	20	22.09	22.21	22.23	22.28	22.12	23	1
15	QPSK	36	39	22.16	22.20	22.23	22.11	22.05		
15	QPSK	75	0	22.10	22.24	22.21	22.16	22.02		
15	16QAM	1	0	22.18	22.24	22.28	22.29	22.18		
15	16QAM	1	37	22.26	22.19	22.22	22.14	22.15	23	1
15	16QAM	1	74	22.12	22.29	22.26	22.22	22.12		
15	16QAM	36	0	21.15	21.24	21.22	21.09	21.18		
15	16QAM	36	20	21.14	21.19	21.14	21.19	21.15		
15	16QAM	36	39	21.11	21.32	21.17	21.23	21.15	22	2
15	16QAM	75	0	21.15	21.19	21.17	21.11	21.04		
15	64QAM	1	0	21.24	21.22	21.21	21.26	21.12		
15	64QAM	1	37	21.26	21.28	21.27	21.13	21.22		
15	64QAM	1	74	21.15	21.23	21.32	21.14	21.07	22	2
15	64QAM	36	0	20.10	20.22	20.36	20.12	20.24		
15	64QAM	36	20	20.16	20.16	20.16	20.32	20.19		
15	64QAM	36	39	20.13	20.18	20.12	20.16	20.02		
15	64QAM	75	0	20.17	20.15	20.20	20.28	20.17	21	3
15	256QAM	1	0	18.17	18.24	18.24	18.32	18.21		
15	256QAM	1	37	18.22	18.19	18.22	18.26	18.16		
15	256QAM	1	74	18.11	18.26	18.21	18.20	18.05		
15	256QAM	36	0	18.08	18.27	18.29	18.15	18.12	19	5
15	256QAM	36	20	18.13	18.24	18.33	18.32	18.16		
15	256QAM	36	39	18.11	18.20	18.25	18.17	18.12		
15	256QAM	75	0	18.18	18.23	18.16	18.18	18.09		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.01	23.47	23.53	23.37	23.05	24.00	0
10	QPSK	1	25	23.11	23.18	23.23	23.19	23.18		
10	QPSK	1	49	23.13	23.23	23.24	23.13	23.13		
10	QPSK	25	0	22.15	22.30	22.20	22.15	22.12		
10	QPSK	25	12	22.17	22.18	22.29	22.32	22.10	23	1
10	QPSK	25	25	22.17	22.18	22.19	22.20	22.12		
10	QPSK	50	0	22.06	22.23	22.23	22.22	22.04		
10	16QAM	1	0	22.16	22.27	22.18	22.22	22.27		
10	16QAM	1	25	22.21	22.15	22.28	22.06	22.17	23	1
10	16QAM	1	49	22.11	22.19	22.21	22.23	22.04		
10	16QAM	25	0	21.10	21.29	21.23	21.19	21.21		
10	16QAM	25	12	21.18	21.23	21.21	21.22	21.18		
10	16QAM	25	25	21.18	21.29	21.18	21.23	21.12	22	2
10	16QAM	50	0	21.12	21.18	21.21	21.08	21.06		
10	64QAM	1	0	21.18	21.24	21.20	21.30	21.12		
10	64QAM	1	25	21.27	21.22	21.26	21.12	21.22		
10	64QAM	1	49	21.16	21.12	21.24	21.07	20.99	22	2
10	64QAM	1	25	20.03	20.23	20.20	20.19	20.19		
10	64QAM	25	12	20.16	20.18	20.20	20.24	20.18		
10	64QAM	25	25	20.22	20.22	20.22	20.07	20.03		
10	64QAM	50	0	20.15	20.14	20.24	20.23	20.10	21	3
10	256QAM	1	0	18.08	18.21	18.26	18.32	18.12		
10	256QAM	1	25	18.12	18.10	18.16	18.22	18.09		
10	256QAM	1	49	18.16	18.21	18.13	18.28	18.03		
10	256QAM	25	0	18.14	18.24	18.22	18.22	18.19	19	5
10	256QAM	25	12	18.11	18.24	18.34	18.30	18.22		
10	256QAM	25	25	18.09	18.18	18.23	18.15	18.12		
10	256QAM	50	0	18.14	18.16	18.23	18.16	18.05		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.08	23.22	23.28	23.22	23.13	24.00	0
5	QPSK	1	12	23.15	23.24	23.23	23.11	23.16		
5	QPSK	1	24	23.09	23.15	23.21	23.23	23.16		
5	QPSK	12	0	22.12	22.22	22.25	22.17	22.13		
5	QPSK	12	13	22.10	22.22	22.22	22.29	22.12	23	1
5	QPSK	25	0	22.09	22.22	22.22	22.24	22.03		
5	16QAM	1	0	22.21	22.26	22.27	22.26	22.16		
5	16QAM	1	12	22.29	22.21	22.31	22.11	22.13		
5	16QAM	1	24	22.13	22.28	22.23	22.22	22.02	23	1
5	16QAM	12	0	21.15	21.30	21.22	21.14	21.14		
5	16QAM	12	7	21.18	21.20	21.17	21.19	21.20		
5	16QAM	12	13	21.12	21.34	21.15	21.22	21.08		
5	16QAM	25	0	21.15	21.17	21.14	21.14	21.10	22	2
5	16QAM	1	0	21.17	21.24	21.23	21.29	21.16		
5	16QAM	1	12	21.19	21.21	21.22	21.21	21.14		
5	64QAM	1	24	21.16	21.20	21.28	21.17	21.00		
5	64QAM	12	0	20.06	20.30	20.37	20.16	20.25	21	3
5	64QAM	12	7	20.16	20.26	20.24	20.25	20.13		
5	64QAM	12	13	20.22	20.22	20.20	20.26	20.05		
5	64QAM	25	0	20.16	20.19	20.22	20.26	20.18		
5	256QAM	1	0	18.16	18.23	18.18	18.26	18.16	19	5
5	256QAM	1	12	18.22	18.19	18.18	18.17	18.09		
5	256QAM	1	24	18.08	18.28	18.17	18.24	18.11		
5	256QAM	12	0	18.14	18.23	18.21	18.22	18.07		
5	256QAM	12	7	18.12	18.23	18.24	18.30	18.19	19	5
5	256QAM	12	13	18.16	18.19	18.23	18.12	18.08		
5	256QAM	25	0	18.09	18.15	18.21	18.16	18.08		
5	256QAM	25	7	18.12	18.23	18.24	18.30	18.19		

Reduced Power Mode for DSI

Band 2 other PA Ant 2 DSI 1												
IMR (MHz)	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)		Transmit (dBm)	MPE (dB)			
Channel												
Frequency (MHz)				15000	15000	15000						
25	QPSK	1	0	17.54	17.50	17.50						
25	QPSK	1	66	17.54	17.51	17.51		18.5	0			
25	QPSK	1	132	17.54	17.48	17.48						
25	QPSK	50	0	17.48	17.56	17.50						
25	QPSK	50	66	17.48	17.53	17.50		18.5	0			
25	QPSK	50	132	17.48	17.42	17.35						
25	QPSK	100	0	17.49	17.51	17.48						
25	QPSK	100	66	17.49	17.48	17.45						
25	QPSK	100	132	17.49	17.43	17.35						
25	16QAM	1	66	17.51	17.42	17.34		18.5	0			
25	16QAM	1	132	17.40	17.47	17.34						
25	16QAM	50	0	17.35	17.43	17.40						
25	16QAM	50	66	17.32	17.43	17.27		18.5	0			
25	16QAM	50	132	17.30	17.30	17.20						
25	16QAM	100	0	17.30	17.42	17.38						
25	16QAM	100	66	17.30	17.40	17.35		18.5	0			
25	16QAM	100	132	17.34	17.38	17.30						
25	16QAM	200	0	17.48	17.48	17.48						
25	16QAM	200	66	17.38	17.42	17.35		18.5	0			
25	16QAM	200	132	17.36	17.38	17.34						
25	16QAM	400	0	17.42	17.51	17.34						
25	16QAM	400	66	17.38	17.40	17.35		18.5	0			
25	16QAM	400	132	17.29	17.38	17.28						
25	16QAM	800	0	17.36	17.44	17.25						
Channel				15017	15017	15017		Transmit (dBm)	MPE (dB)			
Frequency (MHz)				15017	15017	15017						
15	QPSK	1	0	17.48	17.48	17.48						
15	QPSK	1	66	17.48	17.45	17.45		18.5	0			
15	QPSK	1	132	17.48	17.43	17.43						
15	QPSK	50	0	17.37	17.46	17.28						
15	QPSK	50	66	17.38	17.42	17.35		18.5	0			
15	QPSK	50	132	17.26	17.38	17.22						
15	QPSK	75	0	17.38	17.40	17.32						
15	QPSK	75	66	17.42	17.42	17.32		18.5	0			
15	QPSK	75	132	17.40	17.32	17.22						
15	16QAM	1	66	17.47	17.38	17.32						
15	16QAM	1	132	17.33	17.40	17.32						
15	16QAM	50	0	17.31	17.43	17.31		18.5	0			
15	16QAM	50	66	17.22	17.29	17.17						
15	16QAM	50	132	17.22	17.27	17.17		18.5	0			
15	16QAM	100	0	17.48	17.38	17.22						
15	16QAM	100	66	17.42	17.40	17.35		18.5	0			
15	16QAM	100	132	17.26	17.34	17.25						
15	16QAM	200	0	17.30	17.34	17.28						
15	16QAM	200	66	17.31	17.30	17.20		18.5	0			
15	16QAM	200	132	17.30	17.37	17.2						
15	16QAM	400	0	17.48	17.48	17.48						
15	16QAM	400	66	17.38	17.42	17.35		18.5	0			
15	16QAM	400	132	17.26	17.34	17.25						
15	16QAM	800	0	17.42	17.51	17.34						
15	16QAM	800	66	17.38	17.40	17.35		18.5	0			
15	16QAM	800	132	17.29	17.38	17.28						
15	16QAM	1600	0	17.42	17.58	17.28						
Channel				15033	15033	15033		Transmit (dBm)	MPE (dB)			
Frequency (MHz)				15033	15033	15033						
5	QPSK	1	0	17.49	17.44	17.43						
5	QPSK	1	12	17.50	17.40	17.38		18.5	0			
5	QPSK	1	24	17.51	17.41	17.34						
5	QPSK	12	0	17.40	17.42	17.39						
5	QPSK	12	7	17.38	17.28	17.23		18.5	0			
5	QPSK	12	14	17.39	17.44	17.28						
5	QPSK	12	21	17.42	17.42	17.34						
5	QPSK	15	0	17.38	17.38	17.40						
5	QPSK	15	7	17.41	17.24	17.21		18.5	0			
5	16QAM	1	24	17.52	17.34	17.25						
5	16QAM	12	0	17.39	17.38	17.22						
5	16QAM	12	7	17.36	17.26	17.24		18.5	0			
5	16QAM	12	14	17.28	17.33	17.15						
5	16QAM	15	0	17.32	17.43	17.27						
5	16QAM	15	7	17.35	17.35	17.25		18.5	0			
5	16QAM	15	14	17.40	17.43	17.32						
5	16QAM	18	0	17.24	17.39	17.25						
5	16QAM	12	14	17.42	17.39	17.32		18.5	0			
5	16QAM	12	7	17.28	17.27	17.22						
5	16QAM	12	13	17.32	17.27	17.22						
5	16QAM	15	0	17.40	17.41	17.34						
5	16QAM	15	7	17.36	17.36	17.38		18.5	0			
5	16QAM	15	14	17.42	17.41	17.38						
5	16QAM	18	0	17.27	17.36	17.38						
5	16QAM	12	14	17.40	17.39	17.36		18.5	0			
5	16QAM	12	7	17.38	17.35	17.30						
5	16QAM	15	0	17.36	17.40	17.20						
5	16QAM	12	7	17.32	17.17	17.23		18.5	0			
5	16QAM	12	13	17.35	17.22	17.27						
5	16QAM	24	0	17.32	17.34	17.19						
Channel				15051	15051	15051		Transmit (dBm)	MPE (dB)			
Frequency (MHz)				15051	15051	15051						
3	QPSK	1	0	17.48	17.54	17.58						
3	QPSK	1	8	17.48	17.59	17.59		18.5	0			
3	QPSK	1	16	17.48	17.40	17.40						
3	QPSK	8	0	17.42	17.47	17.48						
3	QPSK	8	4	17.37	17.30	17.30		18.5	0			
3	QPSK	8	8	17.40	17.40	17.35						
3	QPSK	16	0	17.37	17.41	17.39						
3	16QAM	1	16	17.50	17.37	17.38						
3	16QAM	8	0	17.43	17.38	17.39		18.5	0			
3	16QAM	8	4	17.36	17.43	17.23						
3	16QAM	8	8	17.38	17.41	17.23						
3	16QAM	16	0	17.40	17.46	17.31		18.5	0			
3	16QAM	8	16	17.39	17.41	17.28						
3	16QAM	16	8	17.41	17.44	17.24						
3	16QAM	15	0	17.36	17.31	17.27						
3	16QAM	8	8	17.38	17.38	17.35		18.5	0			
3	16QAM	16	0	17.46	17.34	17.38						
3	16QAM	14	7	17.24	17.25	17.28		18.5	0			
3	16QAM	8	8	17.39	17.41	17.35						
3	16QAM	8	16	17.40	17.42	17.28		18.5	0			
3	16QAM	16	0	17.25	17.36	17.30						
Frequency (MHz)				15071	15080	15083		Transmit (dBm)	MPE (dB)			
14	QPSK	1	0	17.40	17.50	17.50						
14	QPSK	1	64	17.40	17.42	17.42		18.5	0			
14	QPSK	1	128	17.40	17.36	17.35						
14	QPSK	3	0	17.37	17.41	17.48						
14	QPSK	3	64	17.36	17.38	17.35		18.5	0			
14	QPSK	3	128	17.35	17.30	17.19						
14	QPSK	6	0	17.41	17.46	17.32		18.5	0			
14	16QAM	1	128	17.32	17.32	17.22						
14	16QAM	3	0	17.37	17.38	17.25		18.5	0			
14	16QAM	3	64	17.31	17.30	17.25						
14	16QAM	3	128	17.32	17.23	17.28						
14	16QAM	6	0	17.39	17.37	17.19						
14	16QAM	6	64	17.40	17.42	17.27		18.5	0			
14	16QAM	6	128	17.43	17.36	17.34						
14	16QAM	12	0	17.24	17.25	17.10						
14	16QAM	12	64	17.31	17.34	17.20		18.5	0			
14	16QAM	12	128	17.40	17.42	17.27						
14	16QAM	24	0	17.41	17.38	17.25		18.5	0			
14	16QAM	12	128	17.38	17.44	17.40						
14	16QAM	24	64	17.28	17.28	17.24		18.5	0			
14	16QAM	24	128	17.23	17.25	17.21						
14	16QAM	48	0	17.31	17.40	17.35						
14	16QAM	48	64	17.28	17.28	17.24		18.5	0			
14	16QAM	48	128	17.36	17.38	17.20						

Band 4 other PA Ant 2 DSI 1												
W/ MHz	Modulation	RIS Size	RB Offset	Ch Power [Ch Power Ch Power]	Power [Ch Power Ch Power]	Power [Ch Power Ch Power]	Time-to- init (s)	APR1 (dB)				
Channel Frequency (MHz)												
25	QPSK	1	0	23.26	23.30	23.26						
25	QPSK	1	49	23.21	23.29	23.25		24				
25	QPSK	1	99	23.17	23.32	23.24		23				
25	QPSK	80	0	22.27	22.25	22.16						
25	QPSK	80	50	22.21	22.24	22.22		23				
25	QPSK	100	0	22.23	22.20	22.15						
25	QPSK	100	50	22.23	22.21	22.15		23				
25	16QAM	1	49	22.18	22.24	22.22						
25	16QAM	1	99	22.17	22.31	22.26		23				
25	16QAM	80	0	21.17	21.23	21.12						
25	16QAM	80	24	21.17	21.24	21.12		22				
25	16QAM	80	50	21.17	21.23	21.12		22				
25	16QAM	100	0	21.17	21.23	21.12						
25	16QAM	100	50	21.18	21.25	21.14		22				
25	64QAM	1	0	21.26	21.28	21.21						
25	64QAM	1	49	21.15	21.29	21.14		22				
25	64QAM	1	99	21.15	21.29	21.14		22				
25	64QAM	80	0	20.24	20.27	20.11						
25	64QAM	80	24	20.23	20.29	20.11		21				
25	64QAM	80	50	20.23	20.28	20.11		21				
25	64QAM	100	0	20.27	20.27	20.18						
25	256QAM	1	0	18.27	18.30	18.15						
25	256QAM	1	49	18.20	18.35	18.15		19				
25	256QAM	1	99	18.19	18.25	18.15		19				
25	256QAM	80	0	18.22	18.28	18.11						
25	256QAM	80	24	18.22	18.28	18.11		19				
25	256QAM	80	50	18.22	18.28	18.11		19				
25	256QAM	100	0	18.22	18.27	18.16						
25	256QAM	100	50	18.22	18.28	18.16		19				
Channel Frequency (MHz)												
15	QPSK	1	0	17.17.5	17.20.5	17.17.5						
15	QPSK	1	49	23.19	23.23	23.16						
15	QPSK	1	99	23.17	23.27	23.18		24				
15	QPSK	80	0	22.17	22.21	22.01						
15	QPSK	80	24	22.17	22.22	22.11		23				
15	QPSK	80	50	22.17	22.22	22.11		23				
15	QPSK	80	99	22.12	22.28	22.13						
15	QPSK	75	0	22.22	22.22	22.10						
15	QPSK	75	49	22.24	22.28	22.11		23				
15	16QAM	1	37	22.09	22.29	22.09						
15	16QAM	1	74	21.18	22.20	21.18		23				
15	16QAM	80	0	21.19	21.22	21.07						
15	16QAM	80	20	21.19	21.23	21.07		22				
15	16QAM	80	50	21.12	21.26	21.03		22				
15	16QAM	80	99	21.12	21.27	21.12		22				
15	64QAM	1	0	21.20	21.23	21.20						
15	64QAM	1	49	21.18	21.27	21.20		22				
15	64QAM	1	99	21.18	21.27	21.20		22				
15	64QAM	80	0	20.18	20.26	20.02						
15	64QAM	80	24	20.20	20.25	20.13		21				
15	64QAM	80	50	20.20	20.25	20.13		21				
15	64QAM	80	99	20.21	20.28	20.20		21				
15	64QAM	100	0	20.20	20.15	20.13						
15	256QAM	1	37	18.19	18.32	18.08		19				
15	256QAM	1	74	18.18	18.35	18.08		19				
15	256QAM	80	0	18.21	18.27	18.05						
15	256QAM	80	24	18.21	18.28	18.05		19				
15	256QAM	80	50	18.21	18.28	18.05		19				
15	256QAM	100	0	18.21	18.26	18.14						
15	256QAM	100	50	18.21	18.28	18.14		19				
Channel Frequency (MHz)												
5	QPSK	1	0	19.19	19.24	19.19						
5	QPSK	1	12	23.15	23.27	23.15		24				
5	QPSK	1	49	23.21	23.20	23.01						
5	QPSK	12	0	22.28	22.28	22.08						
5	QPSK	12	12	22.14	22.23	22.11		23				
5	QPSK	25	0	22.04	22.20	22.12						
5	QPSK	25	12	22.04	22.20	22.12		23				
5	QPSK	25	24	22.04	22.20	22.12		23				
5	QPSK	50	0	22.09	22.21	21.08						
5	QPSK	50	12	22.09	22.21	21.08		23				
5	QPSK	50	24	22.09	22.21	21.08		23				
5	16QAM	1	0	21.19	21.22	21.15						
5	16QAM	1	12	21.19	21.22	21.15		23				
5	16QAM	1	24	21.19	21.22	21.15		23				
5	16QAM	12	0	21.14	21.25	21.06						
5	16QAM	12	12	21.14	21.27	21.07		22				
5	16QAM	12	24	21.14	21.28	21.07		22				
5	16QAM	25	0	21.17	21.23	21.17						
5	16QAM	25	12	21.17	21.23	21.17		21				
5	16QAM	25	24	21.17	21.23	21.17		21				
5	64QAM	1	0	21.20	21.17	21.14						
5	64QAM	1	12	21.07	21.21	20.97		22				
5	64QAM	1	24	21.07	21.21	20.97		22				
5	64QAM	12	0	20.15	20.24	20.07						
5	64QAM	12	12	20.15	20.26	20.01		21				
5	64QAM	12	24	20.15	20.26	20.01		21				
5	256QAM	1	0	18.28	18.29	18.15						
5	256QAM	1	12	18.16	18.23	18.05		19				
5	256QAM	1	24	18.17	18.24	18.01		19				
5	256QAM	12	0	18.12	18.17	18.03						
5	256QAM	12	12	18.15	18.19	18.00		19				
5	256QAM	12	24	18.15	18.19	18.00		19				
5	256QAM	25	0	18.20	18.21	18.16						
5	256QAM	25	12	18.15	18.21	18.14		19				
5	256QAM	25	24	18.15	18.21	18.14		19				
Channel Frequency (MHz)												
3	QPSK	1	0	23.16	23.26	23.16						
3	QPSK	1	8	23.19	23.21	23.05		24				
3	QPSK	8	0	22.21	22.22	22.02						
3	QPSK	8	4	22.15	22.23	22.11		23				
3	QPSK	8	8	22.08	22.20	22.08						
3	QPSK	16	0	21.17	21.24	21.11						
3	16QAM	1	0	22.25	22.23	22.11						
3	16QAM	1	8	22.21	22.21	22.04		23				
3	16QAM	8	0	21.27	21.29	21.02						
3	16QAM	8	4	21.17	21.21	21.11		22				
3	16QAM	8	8	21.17	21.21	21.11		22				
3	16QAM	16	0	21.13	21.27	21.07						
3	64QAM	1	8	21.13	21.27	21.12		22				
3	64QAM	1	16	21.19	21.21	21.05						
3	64QAM	8	0	20.18	20.18	20.14						
3	64QAM	8	4	20.20	20.18	20.14		21				
3	64QAM	8	8	20.18	20.18	20.14		21				
3	64QAM	16	0	20.18	20.24	20.08						
3	256QAM	1	0	18.27	18.23	18.07						
3	256QAM	1	8	18.13	18.31	18.08		19				
3	256QAM	8	0	18.10	18.20	17.97						
3	256QAM	8	4	18.20	18.25	18.00		19				
3	256QAM	8	8	18.20	18.25	18.00		19				
3	256QAM	16	0	18.27	18.20	18.12						
3	256QAM	16	8	18.22	18.25	18.12		19				
Channel Frequency (MHz)												
1.4	QPSK	1	0	23.19	23.28	23.19						
1.4	QPSK	1	5	23.19	23.21	23.05		24				
1.4	QPSK	1	5	23.19	23.21	23.05		24				
1.4	QPSK	3	0	23.18	23.22	23.04						
1.4	QPSK	3	3	23.15	23.24	23.10		23				
1.4	QPSK	3	3	23.15	23.17	23.04		23				
1.4	QPSK	6	0	22.27	22.23	22.07						
1.4	QPSK	6	3	22.24	22.24	22.07		23				
1.4	16QAM	1	0	22.24	22.17	22.04						
1.4	16QAM	1	3	22.29	22.22	22.09		23				
1.4	16QAM	1	6	22.24	22.24	22.09		23				
1.4	16QAM	3	1	22.14	22.13	21.08						
1.4	16QAM	3	3	22.09	22.27	22.02		22				
1.4	64QAM	1	0	21.16	21.19	21.07						
1.4	64QAM	3	1	21.09	21.23	21.11		22				
1.4	64QAM	3	3	21.12	21.28	21.08		22				
1.4	64QAM	3	6	21.24	21.21	21.16		22				
1.4	64QAM	6	0	20.24	20.27	20.06		21				
1.4	256QAM	1	0	18.16	18.30	18.13						
1.4	256QAM	1	3	18.13	18.31	18.08		19				
1.4	256QAM	1	6	18.09	18.25	17.95						
1.4	256QAM	3	0	18.21	18.23	18.10		19				
1.4	256QAM	3	3	18.22	18.28	18.12		19				
1.4	256QAM	3	6	18.11	18.26	18.15						

Band 7 other PA Ant 2 DSI 1												
RF (MHz)	Modulation	RB Size	RB Offset	Ch. Freq.	Power Ch. Freq.	Power Ch. Freq.	Power Ch. Freq.	Time-on-Air (min)	MPE (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.21	23.20	23.18						
20	QPSK	1	8	23.15	23.23	23.14						
20	QPSK	1	99	23.17	23.21	23.15		24	0			
20	QPSK	80	3	22.18	22.27	22.22						
20	QPSK	80	24	22.19	22.22	22.22						
20	QPSK	80	250	22.17	22.18	22.15		23	1			
20	QPSK	100	0	22.18	22.26	22.15						
20	QPSK	1	0	22.19	22.28	22.18						
20	16QAM	1	49	22.15	22.18	22.15		23	1			
20	16QAM	1	50	22.15	22.15	22.09						
20	16QAM	80	50	21.68	21.32	21.15		22	2			
20	16QAM	100	0	21.53	21.52	21.27						
20	16QAM	1	5	21.36	21.26	21.19						
20	64QAM	1	49	21.15	21.08	21.12		22	2			
20	64QAM	80	50	20.73	20.73	20.66						
20	64QAM	1	5	20.22	20.27	20.26						
20	64QAM	80	24	20.14	20.20	20.28		21	3			
20	64QAM	100	0	20.14	20.21	20.12						
20	256QAM	1	5	18.20	18.26	18.20						
20	256QAM	80	18	18.17	18.26	18.26		19				
20	256QAM	1	99	18.13	18.23	18.21						
20	256QAM	80	1	18.10	18.22	18.18						
20	256QAM	80	24	18.17	18.22	18.21		19				
20	256QAM	100	80	18.17	18.22	18.21						
20	256QAM	1	0	18.15	18.23	18.11						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.075	23.05	23.03						
15	QPSK	1	0	23.10	23.20	23.15		24	0			
15	QPSK	80	3	22.18	22.23	22.18						
15	QPSK	80	24	22.18	22.23	22.18						
15	QPSK	80	250	22.17	22.18	22.15		23	1			
15	QPSK	36	39	22.09	22.24	22.04						
15	QPSK	75	0	22.10	22.17	22.09						
15	16QAM	1	0	22.12	22.26	22.22						
15	16QAM	1	37	22.11	22.16	22.15		23	1			
15	16QAM	1	74	22.08	22.08	22.02						
15	16QAM	36	5	21.12	21.20	21.13						
15	16QAM	36	250	21.10	21.13	21.13		22	2			
15	16QAM	80	50	21.06	21.07	21.12						
15	16QAM	100	0	21.06	21.12	21.06						
15	64QAM	1	0	21.28	21.15	21.12						
15	64QAM	1	37	21.28	21.28	21.28		22	2			
15	64QAM	1	74	21.09	21.05	21.09						
15	64QAM	36	0	20.18	20.21	20.16						
15	64QAM	36	250	20.18	20.21	20.16		21	3			
15	64QAM	80	50	20.09	20.09	20.09						
15	64QAM	75	0	20.10	20.09	20.01						
15	256QAM	1	0	18.20	18.20	18.18						
15	256QAM	1	37	18.08	18.16	18.16		19	5			
15	256QAM	1	74	18.08	18.14	18.10						
15	256QAM	36	25	18.08	18.16	18.09						
15	256QAM	36	250	18.08	18.16	18.13		19	5			
15	256QAM	80	39	18.08	18.20	18.18						
15	256QAM	10	0	18.04	18.12	18.08						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.075	23.05	23.03						
5	QPSK	1	0	23.19	23.21	23.19		24	0			
5	QPSK	1	12	23.07	23.23	23.12						
5	QPSK	1	24	23.07	23.10	23.07						
5	QPSK	1	0	22.94	22.98	22.95						
5	QPSK	12	7	22.14	22.13	22.21		23	1			
5	QPSK	12	13	22.08	22.17	22.08						
5	QPSK	80	1	22.08	22.17	21.99						
5	16QAM	1	0	22.11	22.20	22.23		23	1			
5	16QAM	1	12	22.08	22.07	22.11						
5	16QAM	1	24	22.08	22.08	22.07						
5	16QAM	12	0	21.06	21.21	21.27						
5	16QAM	12	13	21.05	21.08	21.15		22	2			
5	16QAM	12	13	21.04	21.03	21.09						
5	16QAM	25	0	21.10	21.28	21.22						
5	64QAM	1	0	21.28	21.23	21.15						
5	64QAM	1	12	21.04	21.12	21.09		22	2			
5	64QAM	1	24	21.08	21.21	21.01						
5	64QAM	12	0	20.13	20.27	20.17						
5	64QAM	12	7	20.08	20.15	20.27		21	3			
5	64QAM	12	13	20.05	20.18	20.11						
5	64QAM	36	0	20.10	20.13	20.06						
5	256QAM	1	5	18.17	18.26	18.19						
5	256QAM	1	12	18.03	18.24	18.14		19	5			
5	256QAM	1	24	18.00	18.22	18.18						
5	256QAM	12	7	18.07	18.16	18.12						
5	256QAM	12	7	18.07	18.25	18.20		19	5			
5	256QAM	12	37	18.10	18.16	18.14						
5	256QAM	24	0	18.10	18.22	18.08						

[illegible]

Reduced Power Mode for DSI2

Band 2 other PA Ant 2 DSI 2												
Ref	Mod	ModRate	RS Size	RS Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]
Channel												
Frequency (MHz)												
20	QPSK	1	8	0	19.04	19.03	19.03	19.03	19.03	19.03	19.03	19.03
20	QPSK	1	49	18.93	18.93	18.92	18.92	18.92	18.92	18.92	18.92	18.92
20	QPSK	1	49	19.07	19.07	19.07	19.07	19.07	19.07	19.07	19.07	19.07
20	QPSK	50	0	0	19.07	19.00	19.00	19.00	19.00	19.00	19.00	19.00
20	QPSK	50	24	0	19.02	19.06	19.04	19.04	19.04	19.04	19.04	19.04
20	QPSK	50	24	18.93	18.93	18.93	18.93	18.93	18.93	18.93	18.93	18.93
20	QPSK	100	0	0	19.05	19.07	19.00	19.00	19.00	19.00	19.00	19.00
20	QPSK	100	0	18.93	18.93	18.93	18.93	18.93	18.93	18.93	18.93	18.93
20	QPSK	100	24	0	19.05	19.06	19.00	19.00	19.00	19.00	19.00	19.00
20	QPSK	100	24	18.93	18.93	18.94	18.94	18.94	18.94	18.94	18.94	18.94
20	QPSK	100	50	0	19.07	19.07	19.07	19.07	19.07	19.07	19.07	19.07
20	QPSK	100	50	18.93	18.93	18.94	18.94	18.94	18.94	18.94	18.94	18.94
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19.02	19.02	19.02	19.02	19.02	19.02	19.02	19.02
20	QPSK	100	50	24	18.97	18.97	18.97	18.97	18.97	18.97	18.97	18.97
20	QPSK	100	50	24	19							

Band 4 other PA Ant 2 DSI 2												
RF (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-use (dB)	MPR (dB)			
Channel				20000	20175	20300	20425					
Frequency (MHz)												
20	QPSK	1	0	23.26	23.30	23.30	23.29					
20	QPSK	1	49	23.21	23.26	23.12	23.22		24	0		
20	QPSK	50	0	23.22	23.27	23.29	23.29					
20	QPSK	50	0	22.27	22.26	22.19	22.19					
20	QPSK	50	24	22.21	22.26	22.20	22.20					
20	QPSK	50	24	22.16	22.20	22.13	22.13		23	1		
20	QPSK	100	0	22.23	22.20	22.15	22.15					
20	QPSK	100	0	22.49	22.53	22.27	22.27					
20	QPSK	100	0	22.44	22.45	22.24	22.24		23	1		
20	QPSK	1	99	22.17	22.21	22.05	22.05					
20	QPSK	1	99	22.12	22.16	21.99	21.99					
20	QPSK	50	24	21.17	21.24	21.15	21.15		22	2		
20	QPSK	50	24	21.17	21.33	21.15	21.15					
20	QPSK	1	49	21.16	21.23	21.08	21.08					
20	QPSK	1	49	21.28	21.25	21.21	21.21		22	2		
20	QPSK	50	0	20.24	20.27	20.17	20.17					
20	QPSK	50	24	20.23	20.29	20.22	20.22		21	3		
20	QPSK	50	24	20.23	20.29	20.22	20.22					
20	QPSK	100	0	20.27	20.27	20.18	20.18					
20	QPSK	1	0	18.27	18.30	18.15	18.15		19	5		
20	QPSK	1	0	18.20	18.23	18.08	18.08					
20	QPSK	1	99	18.19	18.26	18.10	18.10					
20	QPSK	50	12	18.22	18.26	18.11	18.11					
20	QPSK	50	12	18.25	18.29	18.13	18.13					
20	QPSK	50	50	18.15	18.22	18.10	18.10		19	5		
20	QPSK	100	0	18.22	18.27	18.17	18.17		Time-use (dB) <td>MPR (dB)</td> <td></td>	MPR (dB)		
Frequency (MHz)												
15	QPSK	1	0	23.19	23.23	23.07	23.07					
15	QPSK	1	0	23.15	23.19	22.99	22.99		24	0		
15	QPSK	1	74	23.11	23.13	23.01	23.01					
15	QPSK	50	0	22.17	22.15	22.05	22.05		23	1		
15	QPSK	50	0	22.16	22.15	22.03	22.03					
15	QPSK	36	99	22.12	22.08	22.13	22.13					
15	QPSK	75	0	22.22	22.22	22.10	22.10					
15	QPSK	75	0	22.24	22.26	22.12	22.12					
15	QPSK	1	97	22.09	22.08	21.98	21.98		23	1		
15	QPSK	1	74	22.15	22.20	21.90	21.90					
15	QPSK	50	12	21.27	21.29	21.21	21.21					
15	QPSK	36	20	21.13	21.23	21.07	21.07		22	2		
15	QPSK	1	0	21.12	21.20	21.05	21.05					
15	QPSK	1	0	21.20	21.23	21.20	21.20					
15	QPSK	50	12	21.12	21.15	21.08	21.08		22	2		
15	QPSK	1	74	21.12	21.12	21.21	21.21					
15	QPSK	36	0	20.18	20.26	20.05	20.05					
15												

Band 7 other PA Ant 2 DSI 2										
RW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-on-Air (s)	MPE (dB)	
Channel				Power (W)	Power (W)	Power (W)	Power (W)			
Frequency (MHz)				20800	21100	21300	20800			
20	QPSK	1	0	23.21	23.28	23.18	23.18			
20	QPSK	1	40	23.15	23.23	23.14	23.14		24	0
20	QPSK	30	0	22.18	22.27	22.17	22.17			
20	QPSK	60	0	22.18	22.27	22.22	22.22			
20	QPSK	90	24	22.19	22.23	22.22	22.22		23	1
20	QPSK	120	0	22.18	22.23	22.21	22.21			
20	16QAM	1	0	22.19	22.28	22.23	22.23			
20	16QAM	30	0	22.19	22.28	22.23	22.23		23	1
20	16QAM	60	0	22.18	22.27	22.22	22.22			
20	16QAM	90	24	21.13	21.22	21.21	21.21			
20	16QAM	120	0	21.20	21.25	21.23	21.23		22	
20	16QAM	150	0	21.08	21.14	21.17	21.17			
20	16QAM	180	0	21.13	21.22	21.21	21.21			
20	16QAM	210	24	21.20	21.25	21.23	21.23		22	
20	16QAM	240	0	21.15	21.28	21.22	21.22			
20	16QAM	1	99	21.12	21.15	21.10	21.10			
20	16QAM	30	0	21.09	21.26	21.20	21.20		21	3
20	16QAM	60	24	20.14	20.20	20.18	20.18			
20	16QAM	90	50	20.11	20.25	20.18	20.18			
20	16QAM	120	0	20.21	20.27	20.17	20.17			
20	256QAM	1	0	18.30	18.38	18.20	18.20			
20	256QAM	1	40	18.15	18.25	18.19	18.19		19	5
20	256QAM	30	0	18.21	18.27	18.21	18.21			
20	256QAM	60	0	18.19	18.22	18.18	18.18			
20	256QAM	90	24	18.19	18.25	18.21	18.21		19	5
20	256QAM	120	0	18.21	18.27	18.20	18.20			
20	256QAM	150	0	18.15	18.23	18.18	18.18			
Channel				20800	21100	21300	20800	Time-on-Air (s)	MPE (dB)	
Frequency (MHz)				20800	21100	21300	20800			
16	QPSK	1	0	23.10	23.20	23.10	23.10			
16	QPSK	1	37	23.05	23.22	23.10	23.10		24	0
16	QPSK	36	0	22.18	22.27	22.17	22.17			
16	QPSK	36	0	22.18	22.27	22.22	22.22			
16	QPSK	36	20	22.12	22.18	22.15	22.15		23	1
16	QPSK	36	20	22.12	22.18	22.20	22.20			
16	16QAM	1	0	22.12	22.25	22.22	22.22			
16	16QAM	37	0	22.11	22.24	22.21	22.21			
16	16QAM	1	74	22.09	22.20	22.20	22.20		22	
16	16QAM	36	0	21.12	21.28	21.17	21.17			
16	16QAM	36	20	21.09	21.26	21.20	21.20		22	2
16	16QAM	36	39	21.08	21.27	21.22	21.22			
16	16QAM	75	0	21.09	21.26	21.20	21.20			
16	16QAM	75	0	21.15	21.27	21.22	21.22			
16	16QAM	1	37	21.15	21.27	21.22	21.22			
16	16QAM	1	74	21.08	21.05	21.09	21.09		22	

Band 66 other PA Ant 2 DS1 2												
RF MHz	Modulation	RF Sp. BW (MHz)	RF Ch. Offset	Power (dBm)	Power (dBm) Ch. 1	Power (dBm) Ch. 2	Power (dBm) Ch. 3	Termination (dBm)	Spurs (dBm)			
Channel 1												
Frequency (MHz)										Termination (dBm)	Spurs (dBm)	
20	QPSK	1	0	23.07	17.67	17.67	17.67					
20	QPSK	1	49	23.03	23.36	23.21		24	0			
20	QPSK	1	99	23.02	23.11	23.22						
20	QPSK	85	0	22.18	22.38	22.26						
20	QPSK	150	0	22.18	22.36	22.30		23	1			
20	QPSK	150	0	22.17	22.35	22.27						
20	QPSK	150	0	22.22	22.39	22.29						
20	16QAM	1	49	22.26	22.38	22.31		23	1			
20	16QAM	1	99	22.22	22.35	22.31						
20	16QAM	150	0	22.22	22.35	22.31						
20	16QAM	150	0	21.22	21.37	21.27		22	2			
20	16QAM	150	0	21.29	21.35	21.24						
20	16QAM	1	49	21.09	21.34	21.25		21	2			
20	16QAM	1	99	21.15	21.28	21.23						
20	16QAM	150	0	20.23	20.36	20.29						
20	16QAM	150	0	20.18	20.31	20.23		21	3			
20	16QAM	150	0	20.28	20.38	20.28						
20	16QAM	150	0	20.19	20.38	20.27						
20	16QAM	1	99	18.17	18.37	18.23		19	5			
20	16QAM	1	99	18.14	18.36	18.24						
20	16QAM	1	99	18.23	18.38	18.28						
20	16QAM	55	80	18.23	18.39	18.14		19	5			
20	16QAM	150	0	18.19	18.36	18.31						
Channel 2												
Frequency (MHz)										Termination (dBm)	Spurs (dBm)	
15	QPSK	1	0	17.15	17.61	17.75						
15	QPSK	1	0	23.14	23.34	23.23		24	0			
15	QPSK	1	23	23.17	23.27	23.30						
15	QPSK	1	74	23.19	23.27	23.30						
15	QPSK	36	0	22.15	22.27	22.31		23	1			
15	QPSK	36	0	22.24	22.34	22.37						
15	QPSK	36	30	22.19	22.21	22.11						
15	QPSK	75	0	22.05	22.25	22.16		23	1			
15	QPSK	75	0	22.21	22.38	22.17						
15	16QAM	1	37	22.20	22.29	22.17		23	1			
15	16QAM	1	37	22.15	22.34	22.21						
15	16QAM	36	30	21.03	21.27	21.17		22	2			
15	16QAM	75	23	21.16	21.26	21.13						
15	16QAM	1	0	21.26	21.28	21.17						
15	16QAM	1	0	21.15	21.25	21.16		22	2			
15	16QAM	1	74	21.13	21.30	21.24						
15	16QAM	36	0	20.20	20.26	20.21		21	3			
15	16QAM	36	0	20.27	20.33	20.23						
15	16QAM	36	30	20.27	20.29	20.08						
15	16QAM	75	0	20.09	20.28	20.19						

Band 38 other PA Ant 2 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.21	23.28	23.22	23	1	
20	QPSK	1	49	23.20	23.26	23.19			
20	QPSK	1	99	23.20	23.26	23.18	23	1	
20	QPSK	50	0	22.23	22.24	22.22			
20	QPSK	50	24	22.25	22.22	22.24	22	2	
20	QPSK	50	50	22.19	22.30	22.21			
20	QPSK	100	0	22.18	22.20	22.23	23	1	
20	16QAM	1	0	22.23	22.22	22.27			
20	16QAM	1	49	22.18	22.22	22.24	22	2	
20	16QAM	1	99	22.17	22.23	22.18			
20	16QAM	50	0	21.19	21.30	21.27	21	3	
20	16QAM	50	24	21.26	21.21	21.28			
20	16QAM	50	50	21.15	21.33	21.20	22	2	
20	16QAM	100	0	21.16	21.23	21.20			
20	64QAM	1	0	21.26	21.22	21.24	21	3	
20	64QAM	1	49	21.21	21.28	21.19			
20	64QAM	1	99	21.23	21.22	21.15	19	5	
20	64QAM	50	0	20.27	20.29	20.27			
20	64QAM	50	24	20.29	20.18	20.18	21	3	
20	64QAM	50	50	20.25	20.31	20.26			
20	64QAM	100	0	20.18	20.23	20.20	19	5	
20	256QAM	1	0	18.25	18.32	18.23			
20	256QAM	1	49	18.25	18.21	18.21	19	5	
20	256QAM	1	99	18.22	18.25	18.13			
20	256QAM	50	0	18.23	18.25	18.27	19	5	
20	256QAM	50	24	18.25	18.19	18.24			
20	256QAM	50	50	18.18	18.27	18.26	20	2	
20	256QAM	100	0	18.21	18.26	18.24			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25775	2595	2612.5			
15	QPSK	1	0	23.19	23.24	23.17	24	0	
15	QPSK	1	37	23.19	23.23	23.14			
15	QPSK	1	74	23.19	23.25	23.17	23	1	
15	QPSK	36	0	22.22	22.20	22.22			
15	QPSK	36	20	22.22	22.11	22.19	23	1	
15	QPSK	36	39	22.08	22.21	22.17			
15	QPSK	75	0	22.14	22.18	22.20	23	1	
15	16QAM	1	0	22.13	22.19	22.18			
15	16QAM	1	37	22.11	22.12	22.14	23	1	
15	16QAM	1	74	22.17	22.20	22.16			
15	16QAM	36	0	21.17	21.25	21.25	22	2	
15	16QAM	36	20	21.24	21.09	21.21			
15	16QAM	36	39	21.08	21.29	21.10	22	2	
15	16QAM	75	0	21.13	21.23	21.18			
15	64QAM	1	0	21.23	21.22	21.19	22	2	
15	64QAM	1	37	21.21	21.18	21.09			
15	64QAM	1	74	21.22	21.20	21.06	21	3	
15	64QAM	36	0	20.20	20.26	20.21			
15	64QAM	36	20	20.29	20.07	20.10	19	5	
15	64QAM	36	39	20.14	20.25	20.21			
15	64QAM	75	0	20.17	20.20	20.20	19	5	
15	256QAM	1	0	18.17	18.24	18.23			
15	256QAM	1	37	18.25	18.12	18.17	19	5	
15	256QAM	1	74	18.20	18.14	18.11			
15	256QAM	36	0	18.23	18.16	18.17	19	5	
15	256QAM	36	20	18.22	18.16	18.24			
15	256QAM	36	39	18.16	18.16	18.26	20	2	
15	256QAM	75	0	18.21	18.15	18.14			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.13	23.23	23.16	24	0	
10	QPSK	1	25	23.18	23.15	23.08			
10	QPSK	1	49	23.20	23.15	23.14	23	1	
10	QPSK	25	0	22.16	22.13	22.13			
10	QPSK	25	12	22.13	22.14	22.16	23	1	
10	QPSK	25	25	22.16	22.28	22.12			
10	QPSK	50	0	22.12	22.09	22.11	23	1	
10	16QAM	1	0	22.12	22.15	22.22			
10	16QAM	1	25	22.12	22.19	22.17	23	1	
10	16QAM	1	49	22.10	22.16	22.12			
10	16QAM	25	0	21.10	21.24	21.26	22	2	
10	16QAM	25	12	21.15	21.15	21.25			
10	16QAM	25	25	21.10	21.27	21.18	22	2	
10	16QAM	50	0	21.06	21.14	21.12			
10	64QAM	1	0	21.21	21.20	21.13	22	2	
10	64QAM	1	25	21.14	21.16	21.19			
10	64QAM	1	49	21.14	21.21	21.14	19	5	
10	64QAM	25	0	20.20	20.26	20.20			
10	64QAM	25	12	20.23	20.11	20.10	21	3	
10	64QAM	25	25	20.19	20.20	20.15			
10	64QAM	50	0	20.11	20.22	20.15	19	5	
10	256QAM	1	0	18.20	18.24	18.18			
10	256QAM	1	25	18.26	18.15	18.19	19	5	
10	256QAM	1	49	18.15	18.20	18.02			
10	256QAM	25	0	18.16	18.20	18.20	19	5	
10	256QAM	25	12	18.16	18.11	18.15			
10	256QAM	25	25	18.11	18.16	18.14	22	2	
10	256QAM	50	0	18.16	18.24	18.16			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2596	2617.5			
5	QPSK	1	0	23.12	23.26	23.16	24	0	
5	QPSK	1	12	23.12	23.25	23.08			
5	QPSK	1	24	23.12	23.22	23.16	23	1	
5	QPSK	12	0	22.21	22.14	22.19			
5	QPSK	12	7	22.24	22.15	22.22	23	1	
5	QPSK	12	13	22.09	22.28	22.17			
5	QPSK	25	0	22.11	22.16	22.17	23	1	
5	16QAM	1	0	22.17	22.15	22.27			
5	16QAM	1	12	22.09	22.21	22.14	23	1	
5	16QAM	1	24	22.16	22.22	22.10			
5	16QAM	12	0	21.16	21.18	21.17	22	2	
5	16QAM	12	7	21.20	21.16	21.24			
5	16QAM	12	13	21.12	21.27	21.18	22	2	
5	16QAM	25	0	21.14	21.12	21.20			
5	64QAM	1	0	21.23	21.17	21.15	22	2	
5	64QAM	1	12	21.15	21.25	21.18			
5	64QAM	1	24	21.20	21.22	21.05	21	3	
5	64QAM	12	0	20.25	20.23	20.26			
5	64QAM	12	7	20.20	20.10	20.07	21	3	
5	64QAM	12	13	20.18	20.21	20.21			
5	64QAM	25	0	20.12	20.14	20.19	19	5	
5	256QAM	1	0	18.14	18.21	18.18			
5	256QAM	1	12	18.23	18.16	18.17	19	5	
5	256QAM	1	24	18.14	18.15	18.09			
5	256QAM	12	0	18.16	18.14	18.21	19	5	
5	256QAM	12	7	18.15	18.13	18.13			
5	256QAM	12	13	18.07	18.17	18.23	19	5	
5	256QAM	25	0	18.20	18.15	18.23			



Reduced Power Mode for DSI4

Band 2 other PA Ant 2 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-on time (ms)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.04	19.06	19.06	20	0				
20	QPSK	1	48	18.92	18.94	18.94						
20	QPSK	1	96	18.81	18.85	18.92						
20	QPSK	50	0	18.97	19.00	18.96						
20	QPSK	50	24	18.92	19.06	18.94						
20	QPSK	50	50	18.93	19.03	18.98						
20	QPSK	100	0	18.95	19.07	18.99						
20	QPSK	100	0	18.97	19.04	18.99						
20	HQAM	1	48	18.83	18.86	18.85	20	0				
20	HQAM	1	96	18.87	18.94	18.90						
20	HQAM	50	0	18.95	19.00	18.97						
20	HQAM	50	24	18.92	18.98	18.95						
20	HQAM	50	50	18.92	18.94	18.93						
20	HQAM	100	0	18.91	19.03	18.94						
20	HQAM	1	48	18.86	18.98	18.92	20	0				
20	HQAM	1	96	18.87	18.93	18.90						
20	HQAM	50	0	18.94	19.02	18.95						
20	HQAM	50	24	18.94	18.93	18.90						
20	HQAM	50	50	18.95	18.95	18.93						
20	HQAM	100	0	18.92	19.07	18.95						
20	HQAM	100	0	18.92	19.06	18.96						
20	HQAM	1	96	17.92	17.98	17.98	19	1				
20	HQAM	1	96	17.92	17.92	17.97						
20	HQAM	50	0	17.93	17.92	17.91						
20	HQAM	50	24	17.99	18.00	17.95						
20	HQAM	50	50	17.93	17.92	17.95						
20	HQAM	100	0	17.93	17.92	17.95						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.07	18.06	18.03	Turn-on time (ms)	MPR (dB)				
15	QPSK	1	0	18.07	18.02	18.00						
15	QPSK	1	48	18.03	18.03	18.00						
15	QPSK	1	96	18.01	18.07	18.07						
15	QPSK	36	0	18.06	18.02	18.00						
15	QPSK	36	0	18.06	18.02	18.00						
15	QPSK	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	1	96	18.02	18.01	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02	18.06	18.00						
15	HQAM	36	0	18.06	18.03	18.00						
15	HQAM	36	36	18.01	18.09	18.01						
15	HQAM	1	96	18.02								

Band 38 other PA Ant 2 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.25	20.30	20.27	21	0	
20	QPSK	1	49	20.16	20.16	20.14			
20	QPSK	1	99	20.19	20.22	20.20			
20	QPSK	50	0	20.18	20.24	20.22	21	0	
20	QPSK	50	24	20.19	20.21	20.14			
20	QPSK	50	50	20.13	20.17	20.20			
20	QPSK	100	0	20.21	20.21	20.18	21	0	
20	16QAM	1	0	20.22	20.17	20.15			
20	16QAM	1	49	20.03	20.14	20.06			
20	16QAM	1	99	20.14	20.12	20.11	21	0	
20	16QAM	50	0	20.06	20.15	20.11			
20	16QAM	50	24	20.05	20.10	20.05			
20	16QAM	50	50	20.09	20.14	20.18	21	0	
20	16QAM	100	0	20.10	20.18	20.12			
20	64QAM	1	0	20.19	20.20	20.23			
20	64QAM	1	49	20.14	20.11	20.04	21	0	
20	64QAM	1	99	20.16	20.11	20.14			
20	64QAM	50	0	20.14	20.19	20.15			
20	64QAM	50	24	20.15	20.08	20.03	21	0	
20	64QAM	50	50	20.04	20.14	20.11			
20	64QAM	100	0	20.11	20.13	20.12			
20	256QAM	1	0	18.26	18.25	18.30	19	2	
20	256QAM	1	49	18.10	18.21	18.15			
20	256QAM	1	99	18.14	18.25	18.18			
20	256QAM	50	0	18.21	18.22	18.17	19	2	
20	256QAM	50	24	18.20	18.24	18.19			
20	256QAM	50	50	18.11	18.15	18.20			
20	256QAM	100	0	18.19	18.15	18.21			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.17	20.21	20.14	21	0	
15	QPSK	1	37	20.03	20.13	20.03			
15	QPSK	1	74	20.09	20.17	20.15			
15	QPSK	36	0	20.07	20.16	20.19	21	0	
15	QPSK	36	20	20.12	20.18	20.10			
15	QPSK	36	39	20.09	20.12	20.07			
15	QPSK	75	0	20.17	20.12	20.10	21	0	
15	16QAM	1	0	20.17	20.14	20.09			
15	16QAM	1	37	19.99	20.03	20.04			
15	16QAM	1	74	20.11	20.01	20.01	21	0	
15	16QAM	36	0	19.92	20.03	19.99			
15	16QAM	36	20	19.95	20.01	19.97			
15	16QAM	36	39	20.04	20.03	20.05	21	0	
15	16QAM	75	0	20.05	20.09	20.06			
15	64QAM	1	0	20.16	20.16	20.09			
15	64QAM	1	37	20.11	20.08	19.96	21	0	
15	64QAM	1	74	20.13	20.02	20.01			
15	64QAM	36	0	20.03	20.09	20.03			
15	64QAM	36	20	20.02	20.02	19.93	21	0	
15	64QAM	36	39	19.94	20.12	20.00			
15	64QAM	75	0	20.01	20.01	20.09			
15	256QAM	1	0	18.17	18.18	18.19	19	2	
15	256QAM	1	37	17.98	18.11	18.03			
15	256QAM	1	74	18.09	18.17	18.14			
15	256QAM	36	0	18.13	18.12	18.05	19	2	
15	256QAM	36	20	18.08	18.12	18.05			
15	256QAM	36	39	18.08	18.05	18.10			
15	256QAM	75	0	18.08	18.01	18.14			
Channel				37900	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.20	20.22	20.18	21	0	
10	QPSK	1	25	20.08	20.13	20.05			
10	QPSK	1	49	20.13	20.14	20.13			
10	QPSK	25	0	20.12	20.16	20.13	21	0	
10	QPSK	25	12	20.06	20.14	20.05			
10	QPSK	25	25	20.01	20.15	20.12			
10	QPSK	50	0	20.11	20.11	20.09	21	0	
10	16QAM	1	0	20.11	20.11	20.13			
10	16QAM	1	25	19.90	20.05	19.98			
10	16QAM	1	49	20.07	20.03	20.06	21	0	
10	16QAM	25	0	20.03	20.10	20.08			
10	16QAM	25	12	19.95	19.99	20.02			
10	16QAM	25	25	20.03	20.02	20.11	21	0	
10	16QAM	50	0	19.96	20.09	20.02			
10	64QAM	1	0	20.12	20.13	20.13			
10	64QAM	1	25	20.03	19.98	19.99	21	0	
10	64QAM	1	49	20.09	20.08	20.05			
10	64QAM	25	0	20.04	20.16	20.10			
10	64QAM	25	12	20.07	20.01	19.93	21	0	
10	64QAM	25	25	19.90	20.02	20.06			
10	64QAM	50	0	19.99	20.09	19.99			
10	256QAM	1	0	18.16	18.14	18.18	19	2	
10	256QAM	1	25	18.04	18.14	18.09			
10	256QAM	1	49	18.04	18.12	18.07			
10	256QAM	25	0	18.16	18.08	18.05	19	2	
10	256QAM	25	12	18.09	18.20	18.14			
10	256QAM	25	25	18.04	18.06	18.09			
10	256QAM	50	0	18.05	18.07	18.16			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.18	20.22	20.15	21	0	
5	QPSK	1	12	20.13	20.05	20.09			
5	QPSK	1	24	20.14	20.12	20.18			
5	QPSK	12	0	20.05	20.19	20.14	21	0	
5	QPSK	12	7	20.12	20.07	20.06			
5	QPSK	12	13	20.08	20.07	20.07			
5	QPSK	25	0	20.19	20.11	20.16	21	0	
5	16QAM	1	0	20.19	20.14	20.10			
5	16QAM	1	12	19.94	20.01	19.97			
5	16QAM	1	24	20.04	20.01	20.08	21	0	
5	16QAM	12	0	19.98	20.11	20.06			
5	16QAM	12	7	19.95	20.07	20.00			
5	16QAM	12	13	20.01	20.11	20.09	21	0	
5	16QAM	25	0	20.04	20.04	20.07			
5	64QAM	1	0	20.13	20.17	20.21			
5	64QAM	1	12	20.08	20.07	19.93	21	0	
5	64QAM	1	24	20.10	20.08	20.02			
5	64QAM	12	0	20.02	20.07	20.01			
5	64QAM	12	7	20.11	20.02	19.90	21	0	
5	64QAM	12	13	19.97	20.01	20.03			
5	64QAM	25	0	20.01	20.08	20.03			
5	256QAM	1	0	18.14	18.23	18.17	19	2	
5	256QAM	1	12	17.99	18.15	18.06			
5	256QAM	1	24	18.02	18.16	18.07			
5	256QAM	12	0	18.17	18.18	18.06	19	2	
5	256QAM	12	7	18.12	18.16	18.10			
5	256QAM	12	13	18.08	18.04	18.09			
5	256QAM	25	0	18.11	18.01	18.16			

n2 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				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.97	22.94	22.90		
20	PI2 BPSK	1	53	22.99	23.02	22.96	24.0	0.5
20	PI2 BPSK	1	104	22.79	22.97	22.81		
20	PI2 BPSK	50	0	22.51	22.58	22.45		
20	PI2 BPSK	50	28	22.99	23.02	22.94	24.0	0.5
20	PI2 BPSK	50	56	22.43	22.56	22.43		
20	PI2 BPSK	100	0	22.46	22.59	22.51		
20	QPSK	1	1	22.93	23.07	22.86	24.5	0.0
20	QPSK	1	53	22.99	23.01	22.94		
20	QPSK	1	104	22.79	22.88	22.84		
20	QPSK	50	0	21.96	22.08	22.03	23.5	1.0
20	QPSK	50	28	22.92	23.05	22.91		
20	QPSK	50	56	22.00	22.07	22.05		
20	QPSK	100	0	22.06	22.12	22.03	23.5	1.0
20	16QAM	1	1	21.76	21.79	21.75		
20	64QAM	1	1	20.29	20.40	20.35		
20	256QAM	1	1	18.90	19.03	18.97	20.0	4.5
Channel				371500	376000	380500	24.5	0.0
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.87	22.93	22.93		
Channel				371000	376000	381000	24.5	0.0
Frequency (MHz)				1850	1880	1900		
10	QPSK	1	1	22.84	23.01	22.90		
Channel				370500	376000	381500	24.5	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.89	23.02	22.86		

Full&Default Power Mode

n5 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				166800	167500	167800	25.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.20	24.27	24.15		
20	PI2 BPSK	1	53	24.39	24.45	24.36	25.2	0.5
20	PI2 BPSK	1	104	24.35	24.47	24.34		
20	PI2 BPSK	50	0	23.96	24.09	23.99		
20	PI2 BPSK	50	28	24.39	24.45	24.31	25.7	0.0
20	PI2 BPSK	50	56	24.01	24.09	24.01		
20	PI2 BPSK	100	0	24.03	24.08	23.98		
20	QPSK	1	1	24.46	24.58	24.50	25.7	0.0
20	QPSK	1	53	24.32	24.43	24.35		
20	QPSK	1	104	24.31	24.38	24.29		
20	QPSK	50	0	23.48	23.61	23.54	24.7	1.0
20	QPSK	50	28	24.39	24.47	24.38		
20	QPSK	50	56	23.06	23.11	23.09		
20	QPSK	100	0	23.55	23.65	23.52	24.7	1.0
20	16QAM	1	1	23.10	23.22	23.18		
20	64QAM	1	1	21.70	21.81	21.77		
20	256QAM	1	1	20.31	20.42	20.36	21.2	4.5
Channel				165300	165800	166300	25.7	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.39	24.51	24.38		
Channel				165800	167300	168800	25.7	0.0
Frequency (MHz)				840	843.5	847		
10	QPSK	1	1	24.39	24.50	24.45		
Channel				165300	167300	169300	25.7	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.45	24.48	24.46		

n7 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				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.38	23.45	23.37		
50	PI2 BPSK	1	135	23.38	23.44	23.41	25.0	0.0
50	PI2 BPSK	1	268	23.31	23.33	23.19		
50	PI2 BPSK	135	0	22.90	23.00	22.90		
50	PI2 BPSK	135	68	23.35	23.40	23.35	24.5	0.5
50	PI2 BPSK	135	135	23.02	23.15	23.13		
50	PI2 BPSK	270	0	22.94	23.04	22.96		
50	QPSK	1	1	23.38	23.41	23.35	25.0	0.0
50	QPSK	1	135	23.33	23.46	23.34		
50	QPSK	1	268	23.49	23.52	23.45		
50	QPSK	135	0	22.44	22.50	22.38	24.0	1.0
50	QPSK	135	68	23.34	23.42	23.38		
50	QPSK	135	135	22.54	22.63	22.57		
50	QPSK	270	0	22.50	22.58	22.45	24.0	1.0
50	16QAM	1	1	22.12	22.26	22.12		
50	64QAM	1	1	20.75	20.85	20.81		
50	256QAM	1	1	19.04	19.03	19.00	20.5	4.5
Channel				504000	507000	510000	25.0	0.0
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.38	23.48	23.37		
Channel				503000	507000	511000	25.0	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.44	23.46	23.39		
Channel				502500	507000	511500	25.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.38	23.40	23.38		
Channel				502000	507000	512000	25.0	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.37	23.40	23.35		
Channel				501500	507000	512500	25.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.48	23.49	23.32		
Channel				501000	507000	513000	25.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.40	23.40	23.40		
Channel				500500	507000	513500	25.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.48	23.47	23.40		

n66 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				346000	349000	352000	25.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.64	23.75	23.85	25.5	0.0	
40	PI2 BPSK	1	108	23.53	23.67	23.85			
40	PI2 BPSK	1	214	23.54	23.64	23.81			
40	PI2 BPSK	108	0	23.10	23.17	23.03	25.0	0.5	
40	PI2 BPSK	108	54	23.55	23.86	23.52	25.5	0.0	
40	PI2 BPSK	108	108	23.13	23.22	23.09	25.0	0.5	
40	PI2 BPSK	216	0	23.19	23.28	23.17			
40	QPSK	1	1	23.69	23.76	23.74			
40	QPSK	1	108	23.59	23.82	23.96	25.5	0.0	
40	QPSK	1	214	23.54	23.59	23.54			
40	QPSK	108	0	22.54	22.60	22.53	24.5	1.0	
40	QPSK	108	54	23.58	23.82	23.51	25.5	0.0	
40	QPSK	108	108	22.65	22.70	22.66	24.5	1.0	
40	QPSK	216	0	22.65	22.67	22.63			
40	16QAM	1	1	22.82	22.84	22.56	24.5	1.0	
40	64QAM	1	1	21.03	21.15	21.04	23.0	2.5	
40	256QAM	1	1	19.40	19.48	19.37	21.0	4.5	
Channel				345000	349000	353000	25.5	0.0	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.58	23.74	23.62	25.5	0.0	
Channel				344500	349000	353500	25.5	0.0	
Frequency (MHz)				1722.5	1745	1747.5			
25	QPSK	1	1	23.63	23.69	23.61	25.5	0.0	
Channel				344000	349000	354000	25.5	0.0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.65	23.89	23.72	25.5	0.0	
Channel				343500	349000	354500	25.5	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.61	23.73	23.63	25.5	0.0	
Channel				343000	349000	355000	25.5	0.0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.59	23.67	23.66	25.5	0.0	
Channel				342500	349000	355500	25.5	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.65	23.72	23.66	25.5	0.0	

n7 Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.62	23.70	23.63	24.5	0.0
50	PI/2 BPSK	1	135	23.62	23.68	23.54		
50	PI/2 BPSK	1	268	23.62	23.71	23.51	24.0	0.5
50	PI/2 BPSK	135	0	23.28	23.35	23.24		
50	PI/2 BPSK	135	68	23.57	23.79	23.58	24.5	0.0
50	PI/2 BPSK	135	135	23.27	23.33	23.25		
50	PI/2 BPSK	270	0	23.27	23.41	23.32	24.0	0.5
50	QPSK	1	1	23.78	23.77	23.66		
50	QPSK	1	135	23.67	23.75	23.67	24.5	0.0
50	QPSK	1	268	23.81	23.86	23.79		
50	QPSK	135	0	22.77	22.82	22.81	23.5	1.0
50	QPSK	135	68	23.67	23.81	23.65		
50	QPSK	135	135	22.78	22.84	22.75	23.5	1.0
50	QPSK	270	0	22.81	22.85	22.79		
50	16QAM	1	1	22.82	22.82	22.77	23.5	1.0
50	64QAM	1	1	21.32	21.37	21.34		
50	256QAM	1	1	19.33	19.37	19.28	20.0	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.64	23.75	23.55	24.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.5	0.0
30	QPSK	1	1	23.57	23.74	23.60		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	24.5	0.0
25	QPSK	1	1	23.65	23.75	23.54		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.5	0.0
20	QPSK	1	1	23.53	23.76	23.57		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	23.59	23.69	23.52		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	23.58	23.72	23.59		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	23.56	23.77	23.52		

n2 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	23.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	21.92	21.95	21.97	23.5	0.0
20	PI2 BPSK	1	53	21.93	22.03	21.88		
20	PI2 BPSK	1	104	21.90	21.96	21.94		
20	PI2 BPSK	50	0	21.47	21.57	21.53	23.0	0.5
20	PI2 BPSK	50	28	21.94	21.93	21.94	23.5	0.0
20	PI2 BPSK	50	58	21.54	21.56	21.47	23.0	0.5
20	PI2 BPSK	100	0	21.48	21.51	21.51	23.5	0.0
20	QPSK	1	1	22.00	22.06	22.01		
20	QPSK	1	53	21.87	22.03	21.88		
20	QPSK	1	104	21.87	21.94	21.98	22.5	1.0
20	QPSK	50	0	21.05	21.11	21.04		
20	QPSK	50	28	21.95	21.99	21.97		
20	QPSK	50	58	21.00	21.05	21.04	22.5	1.0
20	QPSK	100	0	21.02	21.05	20.99	22.5	1.0
20	16QAM	1	1	20.94	21.09	21.02		
20	64QAM	1	1	19.56	19.53	19.48		
20	256QAM	1	1	17.55	17.57	17.47	19.0	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.95	22.00	21.91	23.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1905	1900	1905		
10	QPSK	1	1	21.96	21.95	21.94	23.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	21.97	21.96	21.98	23.5	0.0

n5 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.42	24.50	24.46	25.7	0.0
20	PI2 BPSK	1	53	24.41	24.49	24.38		
20	PI2 BPSK	1	104	24.43	24.53	24.47		
20	PI2 BPSK	50	0	24.01	24.07	23.95	25.2	0.5
20	PI2 BPSK	50	28	24.47	24.53	24.43	25.7	0.0
20	PI2 BPSK	50	58	24.01	24.09	23.96	25.2	0.5
20	PI2 BPSK	100	0	24.05	24.05	24.06	25.7	0.0
20	QPSK	1	1	24.52	24.59	24.50		
20	QPSK	1	53	24.39	24.48	24.39		
20	QPSK	1	104	24.48	24.48	24.42	24.7	1.0
20	QPSK	50	0	23.46	23.62	23.47		
20	QPSK	50	28	24.39	24.56	24.47		
20	QPSK	50	58	23.50	23.61	23.47	24.7	1.0
20	QPSK	100	0	23.63	23.57	23.51	24.7	1.0
20	16QAM	1	1	23.47	23.60	23.48		
20	64QAM	1	1	22.08	22.14	21.99		
20	256QAM	1	1	19.96	20.13	20.02	21.2	4.5
Channel				166300	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.47	24.55	24.48	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.44	24.48	24.42	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.47	24.48	24.45	25.7	0.0

n7 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.35	23.41	23.38	25.0	0.0
50	PI2 BPSK	1	135	23.36	23.39	23.33		
50	PI2 BPSK	1	268	23.36	23.40	23.35		
50	PI2 BPSK	135	0	23.01	23.04	23.00	24.5	0.5
50	PI2 BPSK	135	68	23.38	23.40	23.31	25.0	0.0
50	PI2 BPSK	135	135	23.02	22.99	22.97	24.5	0.5
50	PI2 BPSK	270	0	22.96	22.98	22.97	25.0	0.0
50	QPSK	1	1	23.44	23.43	23.42		
50	QPSK	1	135	23.36	23.43	23.37		
50	QPSK	1	268	23.48	23.52	23.45	24.0	1.0
50	QPSK	135	0	22.49	22.53	22.50		
50	QPSK	135	68	23.39	23.44	23.39		
50	QPSK	135	135	22.47	22.49	22.43	24.0	1.0
50	QPSK	270	0	22.46	22.48	22.43	24.0	1.0
50	16QAM	1	1	22.50	22.57	22.44		
50	64QAM	1	1	20.99	21.01	20.96		
50	256QAM	1	1	18.93	19.05	18.90	20.5	4.5
Channel				504500	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.37	23.41	23.34	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2315	2335	2355		
30	QPSK	1	1	23.39	23.45	23.34	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.41	23.45	23.33	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2560		
20	QPSK	1	1	23.40	23.45	23.37	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.38	23.41	23.40	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.34	23.47	23.38	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.40	23.39	23.38	25.0	0.0

n38 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				518004	519000	519996	25.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.29	23.35	23.35	25.0	0.0	
40	PI/2 BPSK	1	53	23.31	23.36	23.33			
40	PI/2 BPSK	1	104	23.32	23.40	23.33	24.5	0.5	
40	PI/2 BPSK	50	0	22.95	22.93	22.89			
40	PI/2 BPSK	50	28	23.33	23.37	23.38	25.0	0.0	
40	PI/2 BPSK	50	56	22.87	22.98	22.84			
40	PI/2 BPSK	100	0	22.91	22.97	22.95	24.5	0.5	
40	QPSK	1	1	23.42	23.47	23.40			
40	QPSK	1	53	23.38	23.39	23.31	25.0	0.0	
40	QPSK	1	104	23.33	23.40	23.30			
40	QPSK	50	0	22.43	22.43	22.42	24.0	1.0	
40	QPSK	50	28	23.38	23.42	23.30			
40	QPSK	50	56	22.47	22.50	22.39	25.0	0.0	
40	QPSK	100	0	22.37	22.53	22.43			
40	16QAM	1	1	22.44	22.48	22.35	24.0	1.0	
40	64QAM	1	1	20.92	20.95	20.86			
40	256QAM	1	1	18.88	18.99	18.91	20.5		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.40	23.43	23.29	25.0		
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	23.32	23.42	23.35	25.0		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.34	23.37	23.33	25.0		
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.39	23.43	23.33	25.0		
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.32	23.41	23.27	25.0		

n41 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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.35	23.45	23.41	25.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.35	23.35			
100	PI/2 BPSK	1	271	23.35	23.47	23.35	24.5	0.5	
100	PI/2 BPSK	135	0	23.01	22.95	22.98			
100	PI/2 BPSK	135	69	23.41	23.43	23.45	25.0	0.0	
100	PI/2 BPSK	135	138	22.96	23.08	22.91			
100	PI/2 BPSK	270	0	22.91	23.06	23.00	24.5	0.5	
100	QPSK	1	1	23.51	23.53	23.48			
100	QPSK	1	137	23.44	23.44	23.37	25.0	0.0	
100	QPSK	1	271	23.40	23.46	23.38			
100	QPSK	135	0	22.45	22.53	22.42	24.0	1.0	
100	QPSK	135	69	23.43	23.51	23.31			
100	QPSK	135	138	22.48	22.51	22.43	25.0	0.0	
100	QPSK	270	0	22.45	22.56	22.44			
100	16QAM	1	1	22.47	22.47	22.41	24.0	1.0	
100	64QAM	1	1	20.95	21.05	20.88			
100	256QAM	1	1	18.94	19.06	18.96	20.5		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.48	23.47	23.39	25.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.48	23.51	23.34	25.0		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.45	23.47	23.39	25.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.42	23.40	23.46	25.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.40	23.51	23.44	25.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.48	23.49	23.40	25.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.44	23.41	23.46	25.0		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.38	23.45	23.43	25.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.48	23.43	23.40	25.0		

n48 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				636000	641666	646332			
Frequency (MHz)				3520	3624.99	3680			
40	PI2 BPSK	1	1	19.15	19.14	19.07			
40	PI2 BPSK	1	53	19.11	19.10	19.02	20.5		
40	PI2 BPSK	1	104	19.10	19.11	19.08			
40	PI2 BPSK	50	0	18.86	18.65	18.63	20.0	0.5	
40	PI2 BPSK	50	28	19.07	19.11	19.08	20.5	0.0	
40	PI2 BPSK	50	56	18.70	18.72	18.69	20.0	0.5	
40	PI2 BPSK	100	0	18.71	18.70	18.65			
40	QPSK	1	1	19.18	19.21	19.15			
40	QPSK	1	53	19.05	19.10	19.03			
40	QPSK	1	104	19.07	19.14	19.05	20.5	0.0	
40	QPSK	50	0	18.22	18.23	18.20	19.5	1.0	
40	QPSK	50	28	19.09	19.16	19.13	20.5	0.0	
40	QPSK	50	56	18.24	18.22	18.20	19.5	1.0	
40	QPSK	100	0	18.20	18.27	18.15			
40	16QAM	1	1	18.22	18.16	18.14	19.5	1.0	
40	64QAM	1	1	16.73	16.73	16.69	18.0	2.5	
40	256QAM	1	1	14.03	14.73	14.68	15.0	4.5	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	19.11	19.14	19.09	20.5	0.0	
Channel				637334	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3568.01	3624.99	3684.99			
20	QPSK	1	1	19.07	19.17	19.11	20.5	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3652.48			
15	QPSK	1	1	19.15	19.15	19.02	20.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3695			
10	QPSK	1	1	19.09	19.12	19.04	20.5	0.0	

Par270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.89	17.94	17.92			
100	PI2 BPSK	1	137	17.87	17.95	17.81	19.5	0.0	
100	PI2 BPSK	1	271	17.94	17.96	17.90			
100	PI2 BPSK	135	0	17.48	17.49	17.47	19.0	0.5	
100	PI2 BPSK	135	69	17.91	17.88	17.92	19.5	0.0	
100	PI2 BPSK	135	138	17.49	17.56	17.43	19.0	0.5	
100	PI2 BPSK	270	0	17.49	17.51	17.44			
100	QPSK	1	1	17.99	18.02	17.95			
100	QPSK	1	137	17.90	17.96	17.88	19.5	0.0	
100	QPSK	1	271	17.91	17.95	17.85			
100	QPSK	135	0	16.95	17.05	16.94	18.5	1.0	
100	QPSK	135	69	17.86	17.96	17.90	19.5	0.0	
100	QPSK	135	138	17.00	16.99	16.96	18.5	1.0	
100	QPSK	270	0	16.96	17.00	16.92			
100	16QAM	1	1	16.96	16.98	16.90	18.5	1.0	
100	64QAM	1	1	15.49	15.49	15.44	17.0	2.5	
100	256QAM	1	1	13.54	13.48	13.39	15.0	4.5	
Channel				646668	652000	657334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.86	17.88	17.83	19.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.01			
80	QPSK	1	109	17.90	17.95	17.81	19.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	17.89	17.88	17.83	19.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3965.02			
50	QPSK	1	67	17.92	17.89	17.86	19.5	0.0	
Channel				646200	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.93	17.93	17.86	19.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	17.85	17.95	17.79	19.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.85	17.91	17.86	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	17.90	17.92	17.87	19.5	0.0	

Par270 n77 HPUE 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	20.88	20.93	20.87			
100	PI2 BPSK	1	137	20.85	20.93	20.86	22.5	0.0	
100	PI2 BPSK	1	271	20.98	20.92	20.96			
100	PI2 BPSK	135	0	20.46	20.52	20.50	22.0	0.5	
100	PI2 BPSK	135	69	20.89	20.91	20.88	22.5	0.0	
100	PI2 BPSK	135	138	20.55	20.51	20.43	22.0	0.5	
100	PI2 BPSK	270	0	20.46	20.51	20.49			
100	QPSK	1	1	20.94	21.04	20.96			
100	QPSK	1	137	20.88	21.03	20.89	22.5	0.0	
100	QPSK	1	271	20.96	20.98	20.97			
100	QPSK	135	0	19.94	20.00	19.89	21.5	1.0	
100	QPSK	135	69	20.88	20.95	20.86	22.5	0.0	
100	QPSK	135	138	19.99	20.04	19.93	21.5	1.0	
100	QPSK	270	0	20.02	20.05	19.96			
100	16QAM	1	1	19.91	20.02	19.92	21.5	1.0	
100	64QAM	1	1	18.43	18.47	18.39	20.0	2.5	
100	256QAM	1	1	16.51	16.46	16.37	18.0	4.5	
Channel				646668	652000	657334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.89	20.90	20.83	22.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.01			
80	QPSK	1	109	20.79	20.96	20.86	22.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.78	20.90	20.83	22.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3965.02			
50	QPSK	1	67	20.88	20.90	20.92	22.5	0.0	
Channel				646200	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.85	21.00	20.81	22.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	20.82	20.90	20.81	22.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3716	3840	3971			
15	QPSK	1	19	20.80	20.96	20.85	22.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3714	3840	3974			
10	QPSK	1	12	20.81	20.95	20.83	22.5	0.0	

n38 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	23.65	23.71	23.71	24.5	0.0	
40	PI2 BPSK	1	53	23.65	23.75	23.72			
40	PI2 BPSK	1	104	23.64	23.68	23.62			
40	PI2 BPSK	50	0	23.16	23.28	23.28	24.0	0.5	
40	PI2 BPSK	50	28	23.67	23.72	23.69	24.5	0.0	
40	PI2 BPSK	50	56	23.20	23.27	23.20	24.0	0.5	
40	PI2 BPSK	100	0	23.18	23.32	23.31	24.0	0.5	
40	QPSK	1	1	23.71	23.79	23.76	24.5	0.0	
40	QPSK	1	53	23.67	23.75	23.73			
40	QPSK	1	104	23.66	23.66	23.66			
40	QPSK	50	0	22.89	22.84	22.71	23.5	1.0	
40	QPSK	50	28	23.62	23.72	23.69	24.5	0.0	
40	QPSK	50	56	22.70	22.74	22.80	23.5	1.0	
40	QPSK	100	0	22.73	22.85	22.75	23.5	1.0	
40	16QAM	1	1	22.74	22.76	22.76	23.5	1.0	
40	64QAM	1	1	21.26	21.33	21.20	22.0	2.5	
40	256QAM	1	1	19.22	19.30	19.27	20.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.65	23.67	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.64	23.67	23.64	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.66	23.67	23.71	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.58	23.74	23.73	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.65	23.74	23.65	24.5	0.0	

n41 Ant 3											
BW (MHz)	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)											
				25646.01	25652.99	25640					
100	PI2 BPSK	1	1	23.73	23.82	23.79	24.5	0.0			
100	PI2 BPSK	1	137	23.76	23.80	23.82					
100	PI2 BPSK	1	271	23.75	23.80	23.67					
100	PI2 BPSK	135	0	23.24	23.39	23.31	24.0	0.5			
100	PI2 BPSK	135	69	23.75	23.82	23.70	24.5	0.0			
100	PI2 BPSK	135	138	23.23	23.34	23.26	24.0	0.5			
100	PI2 BPSK	270	0	23.19	23.36	23.42	24.5	0.0			
100	QPSK	1	1	23.72	23.86	23.79					
100	QPSK	1	107	23.71	23.83	23.80					
100	QPSK	1	271	23.71	23.71	23.70	23.5	1.0			
100	QPSK	135	0	22.74	22.89	22.71					
100	QPSK	135	69	23.68	23.83	23.76	24.5	0.0			
100	QPSK	135	138	22.74	22.82	22.87	23.5	1.0			
100	QPSK	270	0	22.76	22.96	22.82	23.5	1.0			
100	16QAM	1	1	22.82	22.80	22.87	23.5	1.0			
100	64QAM	1	1	21.32	21.41	21.21	22.0	2.5			
100	256QAM	1	1	19.28	19.34	19.31	20.0	4.5			
Channel											
Frequency (MHz)											
				50820.00	50826.98	50806	Tune-up limit (dBm)	MPR (dB)			
90	QPSK	1	123	23.61	23.79	23.65	24.5	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	109	23.59	23.76	23.69	24.5	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	81	23.63	23.73	23.71	24.5	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	67	23.67	23.80	23.67	24.5	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	53	23.58	23.74	23.74	24.5	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	39	23.68	23.75	23.73	24.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	26	23.67	23.81	23.75	24.5	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	19	23.61	23.74	23.73	24.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	12	23.61	23.73	23.74	24.5	0.0			

n48 Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 638500	Power Middle Ch. / Freq. 641166	Power High Ch. / Freq. 643832	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	20.41	20.42	20.43	22.0	0.0			
40	PI2 BPSK	1	53	20.44	20.47	20.46					
40	PI2 BPSK	1	104	20.35	20.48	20.39					
40	PI2 BPSK	50	0	19.93	20.07	20.00	21.5	0.5			
40	PI2 BPSK	50	28	20.46	20.44	20.47	22.0	0.0			
40	PI2 BPSK	50	56	19.97	20.09	20.06	21.5	0.5			
40	PI2 BPSK	100	0	19.98	20.04	20.07	22.0	0.0			
40	QPSK	1	1	20.48	20.55	20.52					
40	QPSK	1	53	20.40	20.44	20.48					
40	QPSK	1	104	20.45	20.51	20.47	21.0	1.0			
40	QPSK	50	0	19.97	20.07	19.97					
40	QPSK	50	28	20.40	20.50	20.46	22.0	0.0			
40	QPSK	50	56	19.98	20.06	20.05	21.0	1.0			
40	QPSK	100	0	19.93	20.05	19.96	21.0	1.0			
40	16QAM	1	1	19.95	20.06	20.02	21.0	1.0			
40	64QAM	1	1	17.98	18.10	18.05	19.5	2.5			
40	256QAM	1	1	15.98	16.11	16.00	17.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	20.36	20.51	20.48	22.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	20.41	20.43	20.43	22.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	20.40	20.47	20.41	22.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	20.41	20.48	20.39	22.0	0.0			

Par270 n77 Ant 3										
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				3750	3840	3930				
Frequency (MHz)										
100	PI2 BPSK	1	1	18.42	18.47	18.41		20.0	0.0	
100	PI2 BPSK	1	137	18.44	18.44	18.48				
100	PI2 BPSK	1	271	18.47	18.51	18.44				
100	PI2 BPSK	135	0	18.10	18.08	18.00	19.5	0.5		
100	PI2 BPSK	135	69	18.47	18.50	18.42	20.0	0.0		
100	PI2 BPSK	135	138	18.03	18.13	17.97	19.5	0.5		
100	PI2 BPSK	270	0	18.09	18.07	18.06				
100	QPSK	1	1	18.55	18.59	18.52		20.0	0.0	
100	QPSK	1	137	18.44	18.47	18.47				
100	QPSK	1	271	18.42	18.47	18.40				
100	QPSK	135	0	17.54	17.54	17.51	19.0	1.0		
100	QPSK	135	69	18.44	18.57	18.44	20.0	0.0		
100	QPSK	135	138	17.52	17.59	17.54	19.0	1.0		
100	QPSK	270	0	17.57	17.63	17.54				
100	16QAM	1	1	17.57	17.55	17.54	19.0	1.0		
100	64QAM	1	1	18.02	18.10	18.03	17.5	2.5		
100	256QAM	1	1	14.02	14.00	14.00	15.5	4.5		
Channel				650000	656000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01 <td></td> <td colspan="2"></td>				
90	QPSK	1	123	18.45	18.52	18.39	20.0	0.0		
Channel				649334	656000	662068	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3940.02 <td></td> <td colspan="2"></td>				
80	QPSK	1	109	18.47	18.53	18.50	20.0	0.0		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3840	3950.01 <td></td> <td colspan="2"></td>				
80	QPSK	1	81	18.42	18.44	18.45	20.0	0.0		
Channel				648334	656000	663068	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3965.02 <td></td> <td colspan="2"></td>				
50	QPSK	1	67	18.48	18.48	18.43	20.0	0.0		
Channel				648000	656000	662000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720 <td>3840</td> <td>3960</td> <td></td> <td colspan="2"></td>	3840	3960				
40	QPSK	1	53	18.50	18.51	18.48	20.0	0.0		
Channel				647334	656000	664868	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	26	18.45	18.50	18.48	20.0	0.0		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52 <td>3840</td> <td>3972.51</td> <td></td> <td colspan="2"></td>	3840	3972.51				
15	QPSK	1	19	18.46	18.49	18.39	20.0	0.0		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705 <td>3840</td> <td>3975</td> <td></td> <td colspan="2"></td>	3840	3975				
10	QPSK	1	12	18.49	18.47	18.48	20.0	0.0		

Par270 n77 HPUE Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				650000	656000	662000					
Frequency (MHz)				3750	3840	3930					
100	PI2 BPSK	1	1	21.43	21.46	21.43	23.0	0.0			
100	PI2 BPSK	1	137	21.40	21.54	21.49					
100	PI2 BPSK	1	271	21.50	21.54	21.45					
100	PI2 BPSK	135	0	21.05	21.10	20.99	22.5			0.5	
100	PI2 BPSK	135	69	21.45	21.54	21.41	23.0			0.0	
100	PI2 BPSK	135	138	21.06	21.16	20.96	22.5			0.5	
100	PI2 BPSK	270	0	21.07	21.07	21.11					
100	QPSK	1	1	21.56	21.62	21.56	23.0	0.0			
100	QPSK	1	137	21.39	21.48	21.47					
100	QPSK	1	271	21.47	21.41	21.45					
100	QPSK	135	0	20.48	20.55	20.46	22.0			1.0	
100	QPSK	135	69	21.38	21.58	21.50	23.0			0.0	
100	QPSK	135	138	20.58	20.59	20.49	22.0			1.0	
100	QPSK	270	0	20.57	20.55	20.52					
100	16QAM	1	1	20.52	20.57	20.49	22.0			1.0	
100	64QAM	1	1	19.06	19.08	19.01	20.5			2.5	
100	256QAM	1	1	17.04	17.00	17.02	18.5			4.5	
Channel				650000	656000	662000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01					
90	QPSK	1	123	21.45	21.52	21.47	23.0			0.0	
Channel				649334	656000	662068	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02					
80	QPSK	1	109	21.43	21.56	21.50	23.0			0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01					
60	QPSK	1	81	21.45	21.48	21.44	23.0			0.0	
Channel				648334	656000	663068	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3725.01	3840	3965.02					
50	QPSK	1	67	21.45	21.49	21.52	23.0			0.0	
Channel				648000	656000	662000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	53	21.43	21.59	21.48	23.0	0.0			
Channel				647334	656000	664868	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3710.01	3840	3970.02					
20	QPSK	1	26	21.48	21.55	21.47	23.0	0.0			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3707.52	3840	3972.51					
15	QPSK	1	19	21.52	21.57	21.53	23.0	0.0			
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3705	3840	3975					
10	QPSK	1	12	21.49	21.50	21.48	23.0	0.0			

Part27Q n77 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1	18.82				20.0	0.0
100	PI2 BPSK	1	137	18.82					
100	PI2 BPSK	1	271	18.80					
100	PI2 BPSK	135	0	18.42			19.5	0.5	
100	PI2 BPSK	135	69	18.78			20.0	0.0	
100	PI2 BPSK	135	138	18.44			19.5	0.5	
100	PI2 BPSK	270	0	18.31					
100	QPSK	1	1	18.89				20.0	0.0
100	QPSK	1	137	18.85					
100	QPSK	1	271	18.77					
100	QPSK	135	0	17.90			19.0	1.0	
100	QPSK	135	69	18.87			20.0	0.0	
100	QPSK	135	138	17.91			19.0	1.0	
100	QPSK	270	0	17.97					
100	16QAM	1	1	17.90			19.0	1.0	
100	64QAM	1	1	16.42			17.5	2.5	
100	256QAM	1	1	14.40			15.5	4.5	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	18.78	18.82	18.68	20.0	0.0	
Channel				629668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	18.71	18.80	18.74	20.0	0.0	
Channel				630000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	18.72	18.79	18.69	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	18.76	18.81	18.74	20.0	0.0	
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	18.77	18.80	18.73	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	18.74	18.79	18.69	20.0	0.0	
Channel				630000	633334	638000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	18.70	18.82	18.68	20.0	0.0	
Channel				630334	633334	638334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	18.70	18.83	18.71	20.0	0.0	

Part27Q n77 HPUE Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1	21.85					
100	Pl2 BPSK	1	137	21.85			23.0	0.0	
100	Pl2 BPSK	1	271	21.75					
100	Pl2 BPSK	135	0	21.39			22.5	0.5	
100	Pl2 BPSK	135	69	21.62			23.0	0.0	
100	Pl2 BPSK	135	138	21.47			22.5	0.5	
100	Pl2 BPSK	270	0	21.32					
100	QPSK	1	1	21.94					
100	QPSK	1	137	21.77			23.0	0.0	
100	QPSK	1	271	21.77					
100	QPSK	135	0	20.94			22.0	1.0	
100	QPSK	135	69	21.81			23.0	0.0	
100	QPSK	135	138	20.93			22.0	1.0	
100	QPSK	270	0	21.01					
100	16QAM	1	1	20.92			22.0	1.0	
100	64QAM	1	1	19.43			20.5	2.5	
100	256QAM	1	1	17.43			18.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	21.75	21.79	21.63	23.0	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510			
80	QPSK	1	109	21.78	21.85	21.66	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
80	QPSK	1	81	21.80	21.78	21.67	23.0	0.0	
Channel				637668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3525			
50	QPSK	1	67	21.78	21.86	21.73	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	21.75	21.84	21.68	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.02	3500.01	3540			
20	QPSK	1	26	21.82	21.80	21.83	23.0	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	21.72	21.79	21.63	23.0	0.0	
Channel				635334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3500.01	3545.01			
10	QPSK	1	12	21.76	21.82	21.68	23.0	0.0	

Part27O n78 Ant 3									
BW [MHz]	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	Pl2 BPSK	1	1	18.57					
100	Pl2 BPSK	1	137	18.55			20.0	0.0	
100	Pl2 BPSK	1	271	18.58					
100	Pl2 BPSK	135	0	18.09			19.5	0.5	
100	Pl2 BPSK	135	69	18.59			20.0	0.0	
100	Pl2 BPSK	135	138	18.22			19.5	0.5	
100	Pl2 BPSK	270	0	18.17					
100	QPSK	1	1	18.05			20.0	0.0	
100	QPSK	1	137	18.59					
100	QPSK	1	271	18.56					
100	QPSK	135	0	17.57			19.0	1.0	
100	QPSK	135	69	18.60			20.0	0.0	
100	QPSK	135	138	17.60			19.0	1.0	
100	QPSK	270	0	17.66					
100	16QAM	1	1	17.58			19.0	1.0	
100	64QAM	1	1	16.15			17.5	2.5	
100	256QAM	1	1	14.14			15.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	18.53	18.59	18.43	20.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	18.47	18.55	18.43	20.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	18.50	18.59	18.43	20.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	18.46	18.52	18.50	20.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	18.46	18.57	18.39	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	18.48	18.63	18.47	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	39	18.55	18.54	18.42	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	18.48	18.63	18.42	20.0	0.0	
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	18.50	18.58	18.48	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	18.50	18.55	18.46	20.0	0.0	

Part27O n78 HPUE Ant 3									
BW [MHz]	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	Pl2 BPSK	1	1	21.62					
100	Pl2 BPSK	1	137	21.53			23.0	0.0	
100	Pl2 BPSK	1	271	21.62					
100	Pl2 BPSK	135	0	21.06			22.5	0.5	
100	Pl2 BPSK	135	69	21.57			23.0	0.0	
100	Pl2 BPSK	135	138	21.27			22.5	0.5	
100	Pl2 BPSK	270	0	21.20					
100	QPSK	1	1	21.64			23.0	0.0	
100	QPSK	1	137	21.61					
100	QPSK	1	271	21.62					
100	QPSK	135	0	20.66			22.0	1.0	
100	QPSK	135	69	21.61			23.0	0.0	
100	QPSK	135	138	20.59			22.0	1.0	
100	QPSK	270	0	20.70					
100	16QAM	1	1	20.52			20.5	2.5	
100	64QAM	1	1	19.14			20.5	2.5	
100	256QAM	1	1	17.20			18.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	21.55	21.55	21.43	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	21.55	21.53	21.39	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	21.52	21.62	21.44	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.00	3750	3770.01			
60	QPSK	1	81	21.56	21.60	21.49	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	21.50	21.47	21.39	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	21.53	21.57	21.40	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.00	3750	3785.01			
30	QPSK	1	39	21.47	21.54	21.42	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	21.47	21.59	21.44	23.0	0.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	21.56	21.54	21.45	23.0	0.0	
Channel				646700	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	21.47	21.63	21.45	23.0	0.0	

Part27Q 78 Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
							MFR (dB)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	18.90	3500.01		
100	P12 BPSK	1	137	18.96			
100	P12 BPSK	1	271	18.98			
100	P12 BPSK	135	0	18.60			
100	P12 BPSK	135	69	18.69			
100	P12 BPSK	135	138	18.55			
100	P12 BPSK	270	0	18.37			
100	QPSK	1	1	19.06			
100	QPSK	1	137	18.93			
100	QPSK	1	271	18.87			
100	QPSK	135	0	17.88			
100	QPSK	135	69	19.04			
100	QPSK	135	138	18.54			
100	QPSK	270	0	18.10			
100	16QAM	1	1	18.07			
100	64QAM	1	1	18.56			
100	256QAM	1	1	14.37			
Channel							
				633000	633334	633668	
Frequency (MHz)							
90	QPSK	1	123	3485	3500.01	3505.02	
				18.88	18.95	18.84	
Channel							
				632068	633334	634600	
Frequency (MHz)							
80	QPSK	1	109	3480.02	3500.01	3510	
				18.85	18.93	18.85	
Channel							
				632334	633334	634334	
Frequency (MHz)							
70	QPSK	1	96	3485.01	3500.01	3515.01	
				18.86	18.94	18.82	
Channel							
				632000	633334	634668	
Frequency (MHz)							
60	QPSK	1	81	3480	3500.01	3500.02	
				18.88	18.85	18.77	
Channel							
				631668	633334	635000	
Frequency (MHz)							
50	QPSK	1	67	3475.02	3500.01	3525	
				18.95	18.95	18.85	
Channel							
				631334	633334	635334	
Frequency (MHz)							
40	QPSK	1	53	3470.01	3500.01	3530.01	
				18.87	18.94	18.83	
Channel							
				631000	633334	635668	
Frequency (MHz)							
30	QPSK	1	39	3465	3500.01	3535.02	
				18.92	18.89	18.82	
Channel							
				630668	633334	636000	
Frequency (MHz)							
20	QPSK	1	25	3460.02	3500.01	3540	
				18.94	19.00	18.76	
Channel							
				630334	633334	636334	
Frequency (MHz)							
15	QPSK	1	19	3457.5	3500.01	3542.52	
				18.89	18.89	18.79	
Channel							
				630334	633334	636334	
Frequency (MHz)							
10	QPSK	1	12	3452.01	3500.01	3543.01	
				18.85	18.95	18.82	

Part27Q 78 HPUE Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
							MFR (dB)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	21.91	3500.01		
100	P12 BPSK	1	137	21.97			
100	P12 BPSK	1	271	22.04			
100	P12 BPSK	135	0	21.65			
100	P12 BPSK	135	69	21.88			
100	P12 BPSK	135	138	21.50			
100	P12 BPSK	270	0	21.40			
100	QPSK	1	1	22.07			
100	QPSK	1	137	21.99			
100	QPSK	1	271	21.85			
100	QPSK	135	0	20.96			
100	QPSK	135	69	22.05			
100	QPSK	135	138	20.59			
100	QPSK	270	0	21.15			
100	16QAM	1	1	21.04			
100	64QAM	1	1	19.61			
100	256QAM	1	1	17.62			
Channel							
				633000	633334	633668	
Frequency (MHz)							
90	QPSK	1	123	21.94	21.99	21.88	
				632068	633334	634000	
Frequency (MHz)							
80	QPSK	1	109	21.89	21.95	21.90	
				632334	633334	634334	
Frequency (MHz)							
70	QPSK	1	96	21.91	21.93	21.80	
				632000	633334	634668	
Frequency (MHz)							
60	QPSK	1	81	21.86	21.98	21.82	
				631668	633334	635000	
Frequency (MHz)							
50	QPSK	1	67	21.88	21.99	21.88	
				631334	633334	635334	
Frequency (MHz)							
40	QPSK	1	53	21.92	21.96	21.87	
				631000	633334	635668	
Frequency (MHz)							
30	QPSK	1	39	21.89	21.93	21.89	
				630668	633334	636000	
Frequency (MHz)							
20	QPSK	1	25	21.86	21.95	21.82	
				630334	633334	636334	
Frequency (MHz)							
15	QPSK	1	19	21.88	21.93	21.85	
				630334	633334	636334	
Frequency (MHz)							
10	QPSK	1	12	21.89	21.90	21.89	

n38 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	23.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.96	22.00	21.97	23.5	0.0	
40	PI/2 BPSK	1	53	21.89	21.99	21.89			
40	PI/2 BPSK	1	104	21.91	21.97	21.94			
40	PI/2 BPSK	50	0	21.56	21.53	21.50	23.0	0.5	
40	PI/2 BPSK	50	28	21.98	22.01	21.91	23.5	0.0	
40	PI/2 BPSK	50	56	21.45	21.55	21.54	23.0	0.5	
40	PI/2 BPSK	100	0	21.45	21.52	21.56			
40	QPSK	1	1	22.01	22.07	22.02	23.5	0.0	
40	QPSK	1	53	21.98	22.04	21.98			
40	QPSK	1	104	21.92	22.03	21.97			
40	QPSK	50	0	21.03	21.11	21.05	22.5	1.0	
40	QPSK	50	28	21.98	21.98	21.89	23.5	0.0	
40	QPSK	50	56	20.98	21.10	21.07	22.5	1.0	
40	QPSK	100	0	20.98	21.09	21.05			
40	16QAM	1	1	21.05	21.06	20.97	22.5	1.0	
40	64QAM	1	1	19.54	19.60	19.46	21.0	2.5	
40	256QAM	1	1	17.50	17.57	17.54	19.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	21.95	21.95	21.91	23.5	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	21.90	21.97	21.93	23.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.92	21.96	22.00	23.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.92	21.96	21.97	23.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.97	22.05	21.91	23.5	0.0	

n41 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.09	23.09	23.04	25.0	0.0	
100	PI/2 BPSK	1	137	23.01	23.07	23.05			
100	PI/2 BPSK	1	271	23.06	23.07	23.06	24.5	0.5	
100	PI/2 BPSK	135	0	22.64	22.58	22.57			
100	PI/2 BPSK	135	69	23.02	23.07	23.04	25.0	0.0	
100	PI/2 BPSK	135	138	22.56	22.64	22.65			
100	PI/2 BPSK	270	0	22.52	22.57	22.66	24.5	0.5	
100	QPSK	1	1	23.05	23.18	23.06			
100	QPSK	1	137	23.05	23.12	23.04	25.0	0.0	
100	QPSK	1	271	23.01	23.14	23.10			
100	QPSK	135	0	22.09	22.19	22.15	24.0	1.0	
100	QPSK	135	69	23.01	23.04	23.02			
100	QPSK	135	138	22.06	22.17	22.13	25.0	0.0	
100	QPSK	270	0	22.11	22.18	22.15			
100	16QAM	1	1	22.13	22.17	22.15	24.0	1.0	
100	64QAM	1	1	20.65	20.72	20.59			
100	256QAM	1	1	18.63	18.63	18.58	20.5		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.02	23.08	22.97	25.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.94	23.14	22.98	25.0		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.92	23.13	22.99	25.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.97	23.08	22.97	25.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.99	23.09	22.95	25.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.02	23.12	22.99	25.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.97	23.13	22.95	25.0		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.98	23.07	23.00	25.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.98	23.14	23.00	25.0		

n48 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				636000	641666	646332			
Frequency (MHz)				3520	3624.99	3680			
40	PI2 BPSK	1	1	24.45	24.48	24.46			
40	PI2 BPSK	1	53	24.45	24.49	24.44	26.0	0.0	
40	PI2 BPSK	1	104	24.37	24.53	24.45			
40	PI2 BPSK	50	0	23.99	24.03	24.01	25.5	0.5	
40	PI2 BPSK	50	28	24.40	24.52	24.46	26.0	0.0	
40	PI2 BPSK	50	56	24.03	24.02	24.05	25.5	0.5	
40	PI2 BPSK	100	0	24.05	24.06	24.02			
40	QPSK	1	1	24.50	24.57	24.52			
40	QPSK	1	53	24.41	24.52	24.46	26.0	0.0	
40	QPSK	1	104	24.45	24.46	24.40			
40	QPSK	50	0	23.49	23.63	23.46	25.0	1.0	
40	QPSK	50	28	24.44	24.51	24.44	26.0	0.0	
40	QPSK	50	56	23.54	23.51	23.47	25.0	1.0	
40	QPSK	100	0	23.51	23.57	23.47			
40	16QAM	1	1	23.55	23.52	23.56	25.0	1.0	
40	64QAM	1	1	22.02	22.10	21.98	23.5	2.5	
40	256QAM	1	1	19.98	20.03	20.08	21.5	4.5	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	24.39	24.54	24.44	26.0	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3568.03	3624.99	3680.00			
20	QPSK	1	1	24.43	24.49	24.43	26.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3567.52	3624.99	3662.48			
15	QPSK	1	1	24.43	24.45	24.41	23.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3565	3624.99	3695			
10	QPSK	1	1	24.44	24.48	24.46	26.0	0.0	

Par270 n77 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.91	23.01	22.96			
100	PI2 BPSK	1	137	23.00	23.02	22.97	24.5	0.0	
100	PI2 BPSK	1	271	22.98	23.01	23.01			
100	PI2 BPSK	135	0	22.59	22.67	22.61	24.0	0.5	
100	PI2 BPSK	135	69	23.01	23.03	22.96	24.5	0.0	
100	PI2 BPSK	135	138	22.50	22.65	22.56	24.0	0.5	
100	PI2 BPSK	270	0	22.58	22.66	22.55			
100	QPSK	1	1	23.05	23.11	23.08			
100	QPSK	1	137	22.95	23.03	23.03	24.5	0.0	
100	QPSK	1	271	22.98	23.08	23.03			
100	QPSK	135	0	22.09	22.11	22.08	23.5	1.0	
100	QPSK	135	69	22.96	23.05	22.98	24.5	0.0	
100	QPSK	135	138	22.09	22.08	22.06	23.5	1.0	
100	QPSK	270	0	22.03	22.06	22.06			
100	16QAM	1	1	22.08	22.07	22.08	23.5	1.0	
100	64QAM	1	1	20.52	20.67	20.60	22.0	2.5	
100	256QAM	1	1	18.54	18.59	18.53	20.0	4.5	
Channel				646968	652000	657034	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.00	23.05	23.04	24.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3930.01			
80	QPSK	1	109	22.98	22.98	22.95	24.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	22.95	22.98	23.01	24.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.02	23.09	23.00	24.5	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.01	23.04	22.94	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	22.95	23.03	23.00	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	22.96	22.99	22.96	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	22.98	23.09	22.96	24.5	0.0	

Par270 n77 HPUE 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				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	23.69	26.07	23.54			
100	PI2 BPSK	1	137	26.04	26.07	25.94	27.5	0.0	
100	PI2 BPSK	1	271	25.94	25.98	26.00			
100	PI2 BPSK	135	0	25.55	25.73	25.58	27.0	0.5	
100	PI2 BPSK	135	69	26.06	26.05	25.95	27.5	0.0	
100	PI2 BPSK	135	138	25.50	25.63	25.50	27.0	0.5	
100	PI2 BPSK	270	0	25.52	25.71	25.56			
100	QPSK	1	1	26.10	26.14	26.11			
100	QPSK	1	137	26.00	26.06	26.06	27.5	0.0	
100	QPSK	1	271	26.02	26.03	26.05			
100	QPSK	135	0	25.07	25.12	25.12	26.5	1.0	
100	QPSK	135	69	26.01	26.09	26.02	27.5	0.0	
100	QPSK	135	138	25.06	25.08	25.10	26.5	1.0	
100	QPSK	270	0	25.02	25.12	25.06			
100	16QAM	1	1	25.08	25.11	25.08	26.5	1.0	
100	64QAM	1	1	23.48	23.71	23.66	25.0	2.5	
100	256QAM	1	1	21.60	21.61	21.47	23.0	4.5	
Channel				646968	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	26.05	26.05	25.99	27.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.01			
80	QPSK	1	109	26.03	26.06	25.99	27.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	25.99	26.07	26.04	27.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	25.97	26.04	26.06	27.5	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.99	26.09	26.01	27.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	25.99	26.05	26.02	27.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.97	26.08	26.04	27.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3980			
10	QPSK	1	12	25.95	26.06	26.04	27.5	0.0	

Part27Q n77 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				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1	22.69			24.5	0.0	
100	Pi2 BPSK	1	137	22.95					
100	Pi2 BPSK	1	271	23.01					
100	Pi2 BPSK	135	0	22.66			24.0	0.5	
100	Pi2 BPSK	135	69	23.03			24.5	0.0	
100	Pi2 BPSK	135	138	22.60			24.0	0.5	
100	Pi2 BPSK	270	0	22.66			24.5	0.0	
100	QPSK	1	1	23.07					
100	QPSK	1	137	23.05					
100	QPSK	1	271	23.05			23.5	1.0	
100	QPSK	135	0	23.05			24.5	0.0	
100	QPSK	135	69	22.02			23.5	1.0	
100	QPSK	270	0	22.05			23.5	1.0	
100	16QAM	1	1	21.99					
100	64QAM	1	1	20.70					
100	256QAM	1	1	18.61			20.0	4.5	
Channel				633000	633334	633668	Tune-up limit		
Frequency (MHz)				3485	3500.01	3505.02	MPR (dB)		
90	QPSK	1	123	22.91	23.06	22.97	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit		
Frequency (MHz)				3480.02	3500.01	3510	MPR (dB)		
80	QPSK	1	109	22.99	23.02	23.02	24.5	0.0	
Channel				632000	633334	634668	Tune-up limit		
Frequency (MHz)				3470	3500.01	3520.02	MPR (dB)		
60	QPSK	1	81	22.97	23.03	23.02	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit		
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)		
50	QPSK	1	67	22.93	23.00	23.03	24.5	0.0	
Channel				631334	633334	635334	Tune-up limit		
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)		
40	QPSK	1	53	22.92	22.99	23.01	24.5	0.0	
Channel				630968	633334	636000	Tune-up limit		
Frequency (MHz)				3465.02	3500.01	3540	MPR (dB)		
20	QPSK	1	26	22.95	23.04	23.00	24.5	0.0	
Channel				630500	633334	636168	Tune-up limit		
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (dB)		
15	QPSK	1	19	23.03	23.03	23.00	24.5	0.0	
Channel				630334	633334	636334	Tune-up limit		
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)		
10	QPSK	1	12	22.96	23.00	23.03	24.5	0.0	

Part27Q n77 HPUE 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				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1	25.93			27.5	0.0	
100	Pi2 BPSK	1	137	25.96					
100	Pi2 BPSK	1	271	25.97					
100	Pi2 BPSK	135	0	25.62			27.0	0.5	
100	Pi2 BPSK	135	69	26.01			27.5	0.0	
100	Pi2 BPSK	135	138	25.60			27.0	0.5	
100	Pi2 BPSK	270	0	25.62			27.5	0.0	
100	QPSK	1	1	26.09					
100	QPSK	1	137	26.05					
100	QPSK	1	271	26.05			26.5	1.0	
100	QPSK	135	0	26.07			27.5	0.0	
100	QPSK	135	69	26.06			27.5	0.0	
100	QPSK	135	138	26.09			26.5	1.0	
100	QPSK	270	0	25.10			26.5	1.0	
100	16QAM	1	1	25.00					
100	64QAM	1	1	23.68					
100	256QAM	1	1	21.62			23.0	4.5	
Channel				633000	633334	633668	Tune-up limit		
Frequency (MHz)				3485	3500.01	3505.02	MPR (db)		
90	QPSK	1	123	25.93	25.96	25.84	27.5	0.0	
Channel				632668	633334	634000	Tune-up limit		
Frequency (MHz)				3480.02	3500.01	3510	MPR (db)		
80	QPSK	1	109	25.98	25.93	25.87	27.5	0.0	
Channel				632000	633334	634668	Tune-up limit		
Frequency (MHz)				3480	3500.01	3520.02	MPR (db)		
60	QPSK	1	81	25.91	25.93	25.85	27.5	0.0	
Channel				631668	633334	635000	Tune-up limit		
Frequency (MHz)				3475.02	3500.01	3525	MPR (db)		
50	QPSK	1	67	25.92	25.94	25.89	27.5	0.0	
Channel				631334	633334	635334	Tune-up limit		
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (db)		
40	QPSK	1	53	25.94	25.96	25.92	27.5	0.0	
Channel				630968	633334	636000	Tune-up limit		
Frequency (MHz)				3465.02	3500.01	3540	MPR (db)		
20	QPSK	1	26	25.90	25.94	25.95	27.5	0.0	
Channel				630500	633334	636168	Tune-up limit		
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (db)		
15	QPSK	1	19	25.90	25.96	25.84	27.5	0.0	
Channel				630334	633334	636334	Tune-up limit		
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (db)		
10	QPSK	1	12	25.92	25.93	25.92	27.5	0.0	

Part27O n78 Ant 5									
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		
Frequency (MHz)				3750			3750		
100	Pi2 BPSK	1	1	22.90			24.5	0.0	
100	Pi2 BPSK	1	137	22.91					
100	Pi2 BPSK	1	271	22.89					
100	Pi2 BPSK	135	0	22.59			24.0	0.5	
100	Pi2 BPSK	135	69	22.89			24.5	0.0	
100	Pi2 BPSK	135	138	22.50			24.0	0.5	
100	Pi2 BPSK	270	0	22.63			24.5	0.0	
100	QPSK	1	1	23.00					
100	QPSK	1	137	22.98					
100	QPSK	1	271	22.98			23.5	1.0	
100	QPSK	135	0	21.95			23.5	1.0	
100	QPSK	135	69	22.53			24.5	0.0	
100	QPSK	135	138	21.89			23.5	1.0	
100	QPSK	270	0	22.02			23.5	1.0	
100	16QAM	1	1	21.90					
100	64QAM	1	1	20.61					
100	256QAM	1	1	18.51			20.0	4.5	
Channel				649668	650000	650334	Tune-up limit		
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)		
90	QPSK	1	123	22.81	22.98	22.83	24.5	0.0	
Channel				649334	650000	650668	Tune-up limit		
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)		
80	QPSK	1	109	22.88	22.96	22.91	24.5	0.0	
Channel				649000	650000	651000	Tune-up limit		
Frequency (MHz)				3735	3750	3765	MPR (dB)		
70	QPSK	1	95	22.83	22.89	22.84	24.5	0.0	
Channel				648668	650000	651334	Tune-up limit		
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)		
60	QPSK	1	81	22.77	22.96	22.85	24.5	0.0	
Channel				648334	650000	651668	Tune-up limit		
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)		
50	QPSK	1	67	22.79	22.98	22.91	24.5	0.0	
Channel				648000	650000	652000	Tune-up limit		
Frequency (MHz)				3720	3750	3780	MPR (dB)		
40	QPSK	1	53	22.82	22.96	22.92	24.5	0.0	
Channel				647668	650000	652334	Tune-up limit		
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)		
30	QPSK	1	39	22.84	22.96	22.83	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit		
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)		
20	QPSK	1	26	22.86	22.96	22.80	24.5	0.0	
Channel				647000	650000	652934	Tune-up limit		
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)		
15	QPSK	1	19	22.78	22.98	22.88	24.5	0.0	
Channel				646700	650000	653000	Tune-up limit		
Frequency (MHz)				3705	3750	3795	MPR (dB)		
10	QPSK	1	12	22.78	22.94	22.83	24.5	0.0	

Part270 n78 HPUE Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	25.87	3750	3750	
100	PI2 BPSK	1	137	25.86			27.5
100	PI2 BPSK	1	271	25.93			
100	PI2 BPSK	135	0	25.64			27.0
100	PI2 BPSK	135	69	25.64			27.5
100	PI2 BPSK	135	138	25.58			27.0
100	PI2 BPSK	270	0	25.55			
100	QPSK	1	1	26.08			
100	QPSK	1	137	26.01			27.5
100	QPSK	1	271	26.00			
100	QPSK	135	0	25.07			26.5
100	QPSK	135	69	25.99			27.5
100	QPSK	135	138	24.52			26.5
100	QPSK	270	0	25.03			
100	16QAM	1	1	24.97			26.5
100	64QAM	1	1	23.61			25.0
100	256QAM	1	1	21.67			23.0
Channel							
Frequency (MHz)				54960	63000	63000	
90	QPSK	1	123	26.00	25.98	25.90	27.5
Channel							
Frequency (MHz)				640334	650000	650000	
80	QPSK	1	109	25.95	25.99	25.86	27.5
Channel							
Frequency (MHz)				646000	650000	651000	
70	QPSK	1	96	25.90	25.98	25.87	27.5
Channel							
Frequency (MHz)				648668	650000	651334	
60	QPSK	1	81	25.98	25.92	25.84	27.5
Channel							
Frequency (MHz)				643334	650000	651000	
50	QPSK	1	67	26.00	25.91	25.89	27.5
Channel							
Frequency (MHz)				648000	650000	652000	
40	QPSK	1	53	25.90	25.90	25.86	27.5
Channel							
Frequency (MHz)				647668	650000	652334	
30	QPSK	1	39	26.00	25.98	25.91	27.5
Channel							
Frequency (MHz)				647334	650000	652668	
20	QPSK	1	26	26.01	25.90	25.94	27.5
Channel							
Frequency (MHz)				647168	650000	653000	
15	QPSK	1	19	25.89	25.91	25.85	27.5
Channel							
Frequency (MHz)				647000	650000	653000	
10	QPSK	1	12	25.92	25.91	25.88	27.5

Part27Q 78 Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.89	3000.01		
100	PI2 BPSK	1	137	22.91			24.5
100	PI2 BPSK	1	271	22.85			
100	PI2 BPSK	135	0	22.52			24.0
100	PI2 BPSK	135	69	22.91			24.5
100	PI2 BPSK	135	138	22.50			24.0
100	PI2 BPSK	270	0	22.60			
100	QPSK	1	1	23.02			
100	QPSK	1	137	22.97			24.5
100	QPSK	1	271	22.93			
100	QPSK	135	0	21.92			23.5
100	QPSK	135	69	22.96			24.5
100	QPSK	135	138	21.87			23.5
100	QPSK	270	0	21.95			
100	16QAM	1	1	21.87			23.5
100	64QAM	1	1	20.60			22.0
100	256QAM	1	1	18.42			20.0
Channel							
Frequency (MHz)				633000	633334	633668	
90	QPSK	1	123	22.76	23.01	22.78	24.5
Channel							
Frequency (MHz)				632668	633334	634000	
80	QPSK	1	109	22.78	22.95	22.83	24.5
Channel							
Frequency (MHz)				632334	633334	634334	
70	QPSK	1	96	22.70	23.01	22.81	24.5
Channel							
Frequency (MHz)				632000	633334	634668	
60	QPSK	1	81	22.75	22.96	22.82	24.5
Channel							
Frequency (MHz)				631668	633334	635000	
50	QPSK	1	67	22.80	22.96	22.76	24.5
Channel							
Frequency (MHz)				631334	633334	635334	
40	QPSK	1	53	22.70	22.90	22.81	24.5
Channel							
Frequency (MHz)				631000	633334	635668	
30	QPSK	1	39	22.70	22.94	22.79	24.5
Channel							
Frequency (MHz)				630668	633334	636000	
20	QPSK	1	26	22.80	22.96	22.80	24.5
Channel							
Frequency (MHz)				630334	633334	636334	
15	QPSK	1	19	22.81	23.01	22.75	24.5
Channel							
Frequency (MHz)				630000	633334	636668	
10	QPSK	1	12	22.76	22.93	22.85	24.5

Part27Q 78 HPUE Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	25.83	3000.01		
100	PI2 BPSK	1	137	25.92			27.5
100	PI2 BPSK	1	271	25.87			
100	PI2 BPSK	135	0	25.66			27.0
100	PI2 BPSK	135	69	26.01			27.5
100	PI2 BPSK	135	138	25.52			27.0
100	PI2 BPSK	270	0	25.52			
100	QPSK	1	1	26.05			
100	QPSK	1	137	25.98			27.5
100	QPSK	1	271	26.00			
100	QPSK	135	0	25.09			26.5
100	QPSK	135	69	25.92			27.5
100	QPSK	135	138	24.55			26.5
100	QPSK	270	0	26.00			
100	16QAM	1	1	24.96			26.5
100	64QAM	1	1	23.65			25.0
100	256QAM	1	1	21.64			23.0
Channel							
Frequency (MHz)				633000	633334	633668	
90	QPSK	1	123	25.92	25.97	25.91	27.5
Channel							
Frequency (MHz)				632668	633334	634000	
80	QPSK	1	109	25.93	25.99	25.87	27.5
Channel							
Frequency (MHz)				632334	633334	634334	
70	QPSK	1	96	25.89	25.90	25.93	27.5
Channel							
Frequency (MHz)				632000	633334	634668	
60	QPSK	1	81	25.98	25.96	25.95	27.5
Channel							
Frequency (MHz)				631668	633334	635000	
50	QPSK	1	67	25.96	25.98	25.91	27.5
Channel							
Frequency (MHz)				631334	633334	635334	
40	QPSK	1	53	25.97	26.00	25.85	27.5
Channel							
Frequency (MHz)				631000	633334	635668	
30	QPSK	1	39	25.91	25.98	25.84	27.5
Channel							
Frequency (MHz)				630668	633334	636000	
20	QPSK	1	26	25.97	25.93	25.93	27.5
Channel							
Frequency (MHz)				630334	633334	636334	
15	QPSK	1	19	25.93	26.01	25.84	27.5
Channel							
Frequency (MHz)				630000	633334	636668	
10	QPSK	1	12	26.00	25.97	25.93	27.5

Par270 n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.90	20.98	20.93	22.5	0.0	
100	PI2 BPSK	1	137	20.91	20.97	21.03			
100	PI2 BPSK	1	271	21.00	21.00	21.02			
100	PI2 BPSK	135	0	20.54	20.58	20.60	22.0	0.5	
100	PI2 BPSK	135	69	20.97	20.97	20.94	22.5	0.0	
100	PI2 BPSK	135	138	20.48	20.65	20.57	22.0	0.5	
100	PI2 BPSK	270	0	20.52	20.56	20.62	22.5	0.0	
100	QPSK	1	1	21.02	21.10	21.06			
100	QPSK	1	137	20.92	21.01	21.01			
100	QPSK	1	271	20.98	20.97	20.93	21.5	1.0	
100	QPSK	135	0	20.05	20.16	20.11			
100	QPSK	135	69	20.88	21.07	20.93			
100	QPSK	135	138	20.01	20.09	20.05	21.5	1.0	
100	QPSK	270	0	20.07	20.15	20.04	21.5	1.0	
100	16QAM	1	1	20.01	20.07	20.09			
100	64QAM	1	1	18.49	18.64	18.61	20.0	2.5	
100	256QAM	1	1	16.51	16.63	16.54	18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	20.99	21.04	20.93	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	20.94	20.97	21.01	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	20.90	20.99	21.03	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	20.92	21.06	21.03	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	20.89	21.00	20.95	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	21.00	20.97	21.01	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	20.91	21.04	21.00	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	20.92	21.08	20.96	22.5	0.0	

Par270 n77 HPUE Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 650000	Power Middle Ch. Freq. 655000	Power High Ch. Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.88	23.95	23.89	25.5	0.0	
100	PI2 BPSK	1	137	23.85	23.96	24.03			
100	PI2 BPSK	1	271	24.00	24.02	24.04			
100	PI2 BPSK	135	0	23.59	23.61	23.60	25.0	0.5	0.5
100	PI2 BPSK	135	69	23.98	24.03	23.92	25.5	0.0	
100	PI2 BPSK	135	138	23.48	23.70	23.55	25.0	0.5	0.5
100	PI2 BPSK	270	0	23.49	23.58	23.61	25.5	0.0	
100	QPSK	1	1	24.03	24.12	24.06			
100	QPSK	1	137	23.95	23.95	24.04			
100	QPSK	1	271	23.97	23.93	23.93	24.5	1.0	
100	QPSK	135	0	23.05	23.10	23.05			
100	QPSK	135	69	23.84	24.04	23.94			
100	QPSK	135	138	23.01	23.08	23.04	24.5	1.0	1.0
100	QPSK	270	0	23.05	23.10	23.04	24.5	1.0	
100	16QAM	1	1	22.97	23.13	23.12			
100	64QAM	1	1	21.46	21.66	21.61	23.0	2.5	2.5
100	256QAM	1	1	19.51	19.52	19.54	21.0	4.5	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	123	24.00	24.05	23.90	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3840	3930.02			
90	QPSK	1	123	24.00	24.05	23.90	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	23.96	24.02	23.93	Tune-up limit (dBm)	MPR (dB)	
				3745.01	3840	3940.02			
80	QPSK	1	109	23.96	24.02	23.93	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	23.90	23.99	23.92	Tune-up limit (dBm)	MPR (dB)	
				6483.34	65000	653698			
60	QPSK	1	81	23.90	23.99	23.92	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	24.05	24.02	23.97	Tune-up limit (dBm)	MPR (dB)	
				6480.00	65000	656000			
50	QPSK	1	67	24.05	24.02	23.97	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	24.03	24.09	23.88	Tune-up limit (dBm)	MPR (dB)	
				6473.34	65000	656668			
40	QPSK	1	53	24.03	24.09	23.88	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	24.03	24.06	23.96	Tune-up limit (dBm)	MPR (dB)	
				6471.00	65000	655114			
20	QPSK	1	26	24.03	24.06	23.96	25.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.00	24.04	23.82	Tune-up limit (dBm)	MPR (dB)	
				6470.00	65000	655500			
15	QPSK	1	19	24.00	24.04	23.82	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	24.02	24.01	23.94	Tune-up limit (dBm)	MPR (dB)	
				6469.00	65000	655000			
10	QPSK	1	12	24.02	24.01	23.94	25.5	0.0	

Part27Q n77 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3000.01		22.5	0.0	
100	PI2 BPSK	1	137		2122				
100	PI2 BPSK	1	271		2120				
100	PI2 BPSK	135	0		2077		22.0	0.5	
100	PI2 BPSK	135	69		2116		22.5	0.0	
100	PI2 BPSK	135	138		2087		22.0	0.5	
100	PI2 BPSK	270	0		2081		22.5	0.0	
100	QPSK	1	1		2133				
100	QPSK	1	137		2125				
100	QPSK	1	271		2113		21.5	1.0	
100	QPSK	135	0		2041		21.5	0.0	
100	QPSK	135	69		2124				
100	QPSK	135	138		2028				
100	QPSK	270	0		2041		21.5	1.0	
100	16QAM	1	1		2024		21.0	2.5	
100	64QAM	1	1		1883				
100	256QAM	1	1		1678				
Channel									
Frequency (MHz)									
90	QPSK	1	123	633000	633334	633668	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	109	630000	633334	634068	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	81	630000	633334	634068	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	67	630000	633334	634068	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	53	630000	633334	634068	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	26	630000	633334	634068	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	19	630000	633334	634068	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	12	630000	633334	634068	Tune-up limit (dBm)	MPR	

Part27Q 78 Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
				633334	633334		
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1		3500.01		
100	PQ2 BPSK	1	137	21.20			
100	PQ2 BPSK	1	271	21.15			22.5
100	PQ2 BPSK	1	271	21.24			
100	PQ2 BPSK	135	0	20.78			22.5
100	PQ2 BPSK	135	69	21.16			22.5
100	PQ2 BPSK	135	138	20.84			22.5
100	PQ2 BPSK	270	0	20.89			22.5
100	QPSK	1	1	21.35			
100	QPSK	1	137	21.30			22.5
100	QPSK	1	271	21.14			0.0
100	QPSK	135	0	20.48			21.5
100	QPSK	135	69	21.29			22.5
100	QPSK	135	138	20.20			21.5
100	QPSK	270	0	20.45			21.5
100	16QAM	1	1	20.32			21.5
100	64QAM	1	1	18.76			20.0
100	256QAM	1	1	18.72			18.0
Channel				633300	633334	633668	
Frequency (MHz)				3485	3500.01	3505.02	
90	QPSK	1	123	21.16	21.20	21.09	22.5
Channel				632068	633334	634000	
Frequency (MHz)				3480.02	3500.01	3510	
80	QPSK	1	109	21.18	21.19	21.14	22.5
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	96	21.21	21.10	21.07	22.5
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3500.02	
60	QPSK	1	81	21.18	21.10	21.16	22.5
Channel				631604	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	67	21.17	21.12	21.16	22.5
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	53	21.24	21.16	21.11	22.5
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	39	21.24	21.10	21.08	22.5
Channel				630500	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	26	21.26	21.12	21.10	22.5
Channel				630000	633334	636334	
Frequency (MHz)				3452.5	3500.01	3542.52	
15	QPSK	1	19	21.15	21.09	21.14	22.5
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3500.01	3540.01	
10	QPSK	1	12	21.26	21.10	21.13	22.5

Part27Q 78 HPUE Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
				633334	633334		
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1		3500.01		
100	PQ2 BPSK	1	137	24.19			
100	PQ2 BPSK	1	271	24.16			25.5
100	PQ2 BPSK	1	271	24.22			
100	PQ2 BPSK	135	0	23.79			25.0
100	PQ2 BPSK	135	69	24.18			25.5
100	PQ2 BPSK	135	138	23.78			25.0
100	PQ2 BPSK	270	0	23.89			25.0
100	QPSK	1	1	24.39			
100	QPSK	1	137	24.34			25.5
100	QPSK	1	271	24.17			0.0
100	QPSK	135	0	23.48			24.5
100	QPSK	135	69	24.25			25.5
100	QPSK	135	138	23.15			24.5
100	QPSK	270	0	23.45			24.5
100	16QAM	1	1	23.27			24.5
100	64QAM	1	1	21.71			23.0
100	256QAM	1	1	19.72			21.0
Channel				633300	633334	633668	
Frequency (MHz)				3485	3500.01	3505.02	
90	QPSK	1	123	24.16	24.20	24.05	25.5
Channel				632068	633334	634000	
Frequency (MHz)				3480.02	3500.01	3510	
80	QPSK	1	109	24.15	24.17	24.14	25.5
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	96	24.10	24.15	24.05	25.5
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3500.02	
60	QPSK	1	81	24.18	24.16	24.15	25.5
Channel				631604	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	67	24.20	24.26	24.14	25.5
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	53	24.16	24.17	24.08	25.5
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	39	24.10	24.22	24.09	25.5
Channel				630500	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	26	24.21	24.19	24.10	25.5
Channel				630000	633334	636334	
Frequency (MHz)				3452.5	3500.01	3542.52	
15	QPSK	1	19	24.18	24.15	24.12	25.5
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3500.01	3540.01	
10	QPSK	1	12	24.12	24.20	24.07	25.5

n2 Ant 1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.97	22.94	22.90		
20	PI2 BPSK	1	53	22.99	23.02	22.96	24.0	0.5
20	PI2 BPSK	1	104	22.79	22.97	22.81		
20	PI2 BPSK	50	0	22.51	22.58	22.45		
20	PI2 BPSK	50	28	22.99	23.02	22.94	24.0	0.5
20	PI2 BPSK	50	56	22.43	22.56	22.43		
20	PI2 BPSK	100	0	22.46	22.59	22.51		
20	QPSK	1	1	22.93	23.07	22.86	24.5	0.0
20	QPSK	1	53	22.99	23.01	22.94		
20	QPSK	1	104	22.79	22.88	22.84		
20	QPSK	50	0	21.96	22.08	22.03	23.5	1.0
20	QPSK	50	28	22.92	23.05	22.91		
20	QPSK	50	56	22.00	22.07	22.05		
20	QPSK	100	0	22.06	22.12	22.03	23.5	1.0
20	16QAM	1	1	21.76	21.79	21.75		
20	64QAM	1	1	20.29	20.40	20.35		
20	256QAM	1	1	18.90	19.03	18.97	20.0	4.5
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.87	22.93	22.93	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1900	1900	1900		
10	QPSK	1	1	22.84	23.01	22.90		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	22.89	23.02	22.86		

Reduced Power Mode for Main PA DSH1

n5 Ant 1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167500	167800	25.7	0.0
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	24.20	24.27	24.15		
20	PI2 BPSK	1	53	24.39	24.45	24.36	25.2	0.5
20	PI2 BPSK	1	104	24.35	24.47	24.34		
20	PI2 BPSK	50	0	23.96	24.09	23.99		
20	PI2 BPSK	50	28	24.39	24.45	24.31	25.7	0.0
20	PI2 BPSK	50	56	24.01	24.09	24.01		
20	PI2 BPSK	100	0	24.03	24.08	23.98		
20	QPSK	1	1	24.46	24.58	24.50	25.7	0.0
20	QPSK	1	53	24.32	24.43	24.35		
20	QPSK	1	104	24.31	24.38	24.29		
20	QPSK	50	0	23.48	23.61	23.54	24.7	1.0
20	QPSK	50	28	24.39	24.47	24.38		
20	QPSK	50	56	23.06	23.11	23.09		
20	QPSK	100	0	23.55	23.65	23.52	24.7	1.0
20	16QAM	1	1	23.10	23.22	23.18		
20	64QAM	1	1	21.70	21.81	21.77		
20	256QAM	1	1	20.31	20.42	20.36	21.2	4.5
Channel				165300	165900	166500		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.39	24.51	24.38	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	835	844		
10	QPSK	1	1	24.39	24.50	24.45		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.45	24.48	24.46		

n7 Ant 1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.38	23.45	23.37		
50	PI2 BPSK	1	135	23.38	23.44	23.41	25.0	0.0
50	PI2 BPSK	1	268	23.31	23.33	23.19		
50	PI2 BPSK	135	0	22.90	23.00	22.90		
50	PI2 BPSK	135	68	23.35	23.40	23.35	24.5	0.5
50	PI2 BPSK	135	135	23.02	23.15	23.13		
50	PI2 BPSK	270	0	22.94	23.04	22.96		
50	QPSK	1	1	23.38	23.41	23.35	25.0	0.0
50	QPSK	1	135	23.33	23.46	23.34		
50	QPSK	1	268	23.49	23.52	23.45		
50	QPSK	135	0	22.44	22.50	22.38	24.0	1.0
50	QPSK	135	68	23.34	23.42	23.38		
50	QPSK	135	135	22.54	22.63	22.57		
50	QPSK	270	0	22.50	22.58	22.45	24.0	1.0
50	16QAM	1	1	22.12	22.26	22.12		
50	64QAM	1	1	20.75	20.85	20.81		
50	256QAM	1	1	19.04	19.03	19.00	20.5	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.38	23.48	23.37	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.44	23.46	23.39		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.38	23.40	23.38	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.37	23.40	23.35	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.48	23.49	23.32	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.40	23.40	23.40	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.48	23.47	23.40	25.0	0.0

n66 Ant 1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	23.64	23.75	23.85	25.5	0.0	
40	Pl2 BPSK	1	108	23.53	23.67	23.85			
40	Pl2 BPSK	1	214	23.54	23.64	23.81			
40	Pl2 BPSK	108	0	23.10	23.17	23.03	25.0	0.5	
40	Pl2 BPSK	108	54	23.55	23.86	23.52	25.5	0.0	
40	Pl2 BPSK	108	108	23.13	23.22	23.09	25.0	0.5	
40	Pl2 BPSK	216	0	23.19	23.28	23.17			
40	QPSK	1	1	23.69	23.78	23.74			
40	QPSK	1	108	23.59	23.82	23.96	25.5	0.0	
40	QPSK	1	214	23.54	23.59	23.54			
40	QPSK	108	0	22.54	22.60	22.53	24.5	1.0	
40	QPSK	108	54	23.56	23.82	23.51	25.5	0.0	
40	QPSK	108	108	22.65	22.70	22.66	24.5	1.0	
40	QPSK	216	0	22.65	22.67	22.63			
40	16QAM	1	1	22.82	22.84	22.56	24.5	1.0	
40	64QAM	1	1	21.03	21.15	21.04	23.0	2.5	
40	256QAM	1	1	19.40	19.48	19.37	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	23.58	23.74	23.62	25.5	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	23.63	23.69	23.61	25.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	23.65	23.89	23.72	25.5	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	23.61	23.73	23.63	25.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	23.60	23.67	23.66	25.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	23.65	23.72	23.66	25.5	0.0	

n7 Ant 3 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	22.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	21.84	21.87	21.84		
50	PI/2 BPSK	1	135	21.75	21.83	21.73	22.5	0.0
50	PI/2 BPSK	1	268	21.79	21.87	21.83		
50	PI/2 BPSK	135	0	21.76	21.80	21.76		
50	PI/2 BPSK	135	68	21.76	21.90	21.76	22.5	0.0
50	PI/2 BPSK	135	135	21.81	21.87	21.85		
50	PI/2 BPSK	270	0	21.82	21.87	21.77		
50	QPSK	1	1	21.82	21.85	21.79	22.5	0.0
50	QPSK	1	135	21.76	21.81	21.79		
50	QPSK	1	268	21.86	21.91	21.87		
50	QPSK	135	0	21.80	21.83	21.77	22.5	0.0
50	QPSK	135	68	21.84	21.86	21.80		
50	QPSK	135	135	21.75	21.84	21.77		
50	QPSK	270	0	21.86	21.89	21.80	22.5	0.0
50	16QAM	1	1	21.80	21.82	21.73		
50	64QAM	1	1	21.32	21.37	21.34		
50	256QAM	1	1	19.33	19.37	19.28	20.0	2.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	21.74	21.90	21.77		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.76	21.90	21.86		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.82	21.89	21.85		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	21.81	21.89	21.83		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.84	21.89	21.80		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.78	21.89	21.76		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.80	21.87	21.77		

n2 Ant 4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PV2 BPSK	1	1	14.54	14.55	14.49		
20	PV2 BPSK	1	53	14.54	14.56	14.48	16.0	0.0
20	PV2 BPSK	1	104	14.53	14.51	14.53		
20	PV2 BPSK	50	0	14.51	14.57	14.51	16.0	0.0
20	PV2 BPSK	50	28	14.46	14.56	14.54	16.0	0.0
20	PV2 BPSK	50	56	14.52	14.52	14.48		
20	PV2 BPSK	100	0	14.50	14.54	14.48	16.0	0.0
20	QPSK	1	1	14.53	14.56	14.53		
20	QPSK	1	53	14.46	14.54	14.46	16.0	0.0
20	QPSK	1	104	14.51	14.55	14.46		
20	QPSK	50	0	14.50	14.54	14.52	16.0	0.0
20	QPSK	50	28	14.53	14.55	14.51	16.0	0.0
20	QPSK	50	56	14.53	14.54	14.52		
20	QPSK	100	0	14.56	14.56	14.54	16.0	0.0
20	16QAM	1	1	14.53	14.53	14.48	16.0	0.0
20	64QAM	1	1	14.48	14.51	14.54	16.0	0.0
20	256QAM	1	1	14.52	14.51	14.56	16.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	14.51	14.57	14.48	16.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	14.50	14.50	14.46	16.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	14.43	14.58	14.47	16.0	0.0

n5 Ant 4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167200	167600		
Frequency (MHz)				834	836.5	839		
20	PV2 BPSK	1	1	23.18	23.20	23.13		
20	PV2 BPSK	1	53	23.13	23.21	23.15	24.2	0.0
20	PV2 BPSK	1	104	23.25	23.26	23.11		
20	PV2 BPSK	50	0	23.23	23.23	23.18	24.2	0.0
20	PV2 BPSK	50	28	23.16	23.22	23.20	24.2	0.0
20	PV2 BPSK	50	56	23.19	23.24	23.19		
20	PV2 BPSK	100	0	23.17	23.25	23.12	24.2	0.0
20	QPSK	1	1	23.21	23.27	23.16		
20	QPSK	1	53	23.23	23.26	23.15	24.2	0.0
20	QPSK	1	104	23.20	23.23	23.22		
20	QPSK	50	0	23.24	23.21	23.12	24.2	0.0
20	QPSK	50	28	23.23	23.26	23.20		
20	QPSK	50	56	23.20	23.21	23.21	24.2	0.0
20	QPSK	100	0	23.21	23.23	23.12		
20	16QAM	1	1	23.16	23.26	23.19	24.2	0.0
20	64QAM	1	1	22.25	22.31	22.16	23.2	1.0
20	256QAM	1	1	20.13	20.30	20.19	21.2	3.0
Channel				166300	167200	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.18	23.26	23.12	24.2	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830	836.5	844		
10	QPSK	1	1	23.10	23.20	23.09	24.2	0.0
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.15	23.26	23.12	24.2	0.0

n7 Ant 4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	17.48	17.47	17.46		
50	PV2 BPSK	1	135	17.51	17.51	17.43	19.0	0.0
50	PV2 BPSK	1	268	17.53	17.52	17.40		
50	PV2 BPSK	135	0	17.48	17.52	17.50	19.0	0.0
50	PV2 BPSK	135	68	17.49	17.54	17.47	19.0	0.0
50	PV2 BPSK	135	135	17.46	17.54	17.50		
50	PV2 BPSK	270	0	17.47	17.53	17.48	19.0	0.0
50	QPSK	1	1	17.42	17.52	17.46		
50	QPSK	1	135	17.49	17.53	17.49	19.0	0.0
50	QPSK	1	268	17.51	17.58	17.50		
50	QPSK	135	0	17.49	17.48	17.44	19.0	0.0
50	QPSK	135	68	17.50	17.51	17.48	19.0	0.0
50	QPSK	135	135	17.48	17.50	17.44		
50	QPSK	270	0	17.47	17.54	17.43	19.0	0.0
50	16QAM	1	1	17.43	17.52	17.47	19.0	0.0
50	64QAM	1	1	17.46	17.50	17.43	19.0	0.0
50	256QAM	1	1	17.52	17.47	17.45	19.0	0.0
Channel				504500	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.49	17.57	17.47	19.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.49	17.54	17.39	19.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.40	17.57	17.45	19.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.49	17.51	17.38	19.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.42	17.55	17.41	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.48	17.54	17.44	19.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.45	17.57	17.39	19.0	0.0

n38 Ant 1 DS1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel				518004	519000	519996	25.0	0.0				
Frequency (MHz)				2590.02	2595	2599.98						
40	PI/2 BPSK	1	1	23.29	23.35	23.35						
40	PI/2 BPSK	1	53	23.31	23.36	23.33						
40	PI/2 BPSK	1	104	23.32	23.40	23.33	24.5	0.5				
40	PI/2 BPSK	50	0	22.95	22.93	22.89						
40	PI/2 BPSK	50	28	23.33	23.37	23.38						
40	PI/2 BPSK	50	56	22.87	22.98	22.84						
40	PI/2 BPSK	100	0	22.91	22.97	22.95	25.0	0.0				
40	QPSK	1	1	23.42	23.47	23.40						
40	QPSK	1	53	23.38	23.39	23.31						
40	QPSK	1	104	23.33	23.40	23.30						
40	QPSK	50	0	22.43	22.43	22.42	24.0	1.0				
40	QPSK	50	28	23.38	23.42	23.30	25.0	0.0				
40	QPSK	50	56	22.47	22.50	22.38	24.0	1.0				
40	QPSK	100	0	22.37	22.53	22.43						
40	16QAM	1	1	22.44	22.48	22.35				24.0	1.0	
40	64QAM	1	1	20.92	20.95	20.86				22.5	2.5	
40	256QAM	1	1	18.88	18.99	18.91	20.5	4.5				
Channel				517002	519000	520998	25.0	MPR (dB)				
Frequency (MHz)				2585.01	2595	2604.99						
30	QPSK	1	1	23.40	23.43	23.29	25.0	0.0				
Channel				516504	519000	521496	25.0	MPR (dB)				
Frequency (MHz)				2582.52	2595	2607.48						
25	QPSK	1	1	23.32	23.42	23.35	25.0	0.0				
Channel				516000	519000	522000	25.0	MPR (dB)				
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	1	23.34	23.37	23.33	25.0	0.0				
Channel				515502	519000	522498	25.0	MPR (dB)				
Frequency (MHz)				2577.51	2595	2612.49						
15	QPSK	1	1	23.39	23.43	23.33	25.0	0.0				
Channel				515004	519000	522996	25.0	MPR (dB)				
Frequency (MHz)				2575.02	2595	2614.98						
10	QPSK	1	1	23.32	23.41	23.27	25.0	0.0				

n41 Ant 1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	25.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.35	23.45	23.41	25.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.35	23.35			
100	PI/2 BPSK	1	271	23.35	23.47	23.35	24.5	0.5	
100	PI/2 BPSK	135	0	23.01	22.95	22.98			
100	PI/2 BPSK	135	69	23.41	23.43	23.45	25.0	0.0	
100	PI/2 BPSK	135	138	22.96	23.08	22.91			
100	PI/2 BPSK	270	0	22.91	23.06	23.00	24.5	0.5	
100	QPSK	1	1	23.51	23.53	23.48			
100	QPSK	1	137	23.44	23.44	23.37	25.0	0.0	
100	QPSK	1	271	23.40	23.46	23.38			
100	QPSK	135	0	22.45	22.53	22.42	24.0	1.0	
100	QPSK	135	69	23.43	23.51	23.31			
100	QPSK	135	138	22.48	22.51	22.43	24.0	1.0	
100	QPSK	270	0	22.45	22.56	22.44			
100	16QAM	1	1	22.47	22.47	22.41	24.0	1.0	
100	64QAM	1	1	20.95	21.05	20.88			
100	256QAM	1	1	18.94	19.06	18.96	20.5	4.5	
Channel				508200	518598	528996	25.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.48	23.47	23.39	25.0	0.0	
Channel				507204	518598	529998	25.0	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.48	23.51	23.34	25.0	0.0	
Channel				505200	518598	531996	25.0	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.45	23.47	23.39	25.0	0.0	
Channel				504204	518598	532998	25.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.42	23.40	23.46	25.0	0.0	
Channel				503202	518598	534000	25.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.40	23.51	23.44	25.0	0.0	
Channel				502200	518598	534996	25.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.48	23.49	23.40	25.0	0.0	
Channel				501204	518598	535998	25.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.44	23.41	23.46	25.0	0.0	
Channel				500700	518598	536496	25.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.38	23.45	23.43	25.0	0.0	
Channel				500202	518598	537000	25.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.48	23.43	23.40	25.0	0.0	

n38 Ant 3 DS11							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	22.28	22.34	22.25	
40	PI2 BPSK	1	53	22.25	22.26	22.30	23.0
40	PI2 BPSK	1	104	22.20	22.27	22.24	
40	PI2 BPSK	50	0	22.19	22.26	22.25	23.0
40	PI2 BPSK	50	28	22.19	22.26	22.26	23.0
40	PI2 BPSK	50	56	22.20	22.33	22.30	23.0
40	PI2 BPSK	100	0	22.22	22.29	22.25	
40	QPSK	1	1	22.26	22.35	22.28	
40	QPSK	1	53	22.25	22.27	22.25	23.0
40	QPSK	1	104	22.23	22.26	22.32	
40	QPSK	50	0	22.22	22.27	22.27	23.0
40	QPSK	50	28	22.26	22.33	22.24	23.0
40	QPSK	50	56	22.16	22.33	22.22	23.0
40	QPSK	100	0	22.22	22.31	22.25	
40	16QAM	1	1	22.18	22.23	22.25	23.0
40	64QAM	1	1	21.26	21.33	21.20	22.0
40	256QAM	1	1	19.32	19.30	19.27	23.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.21	22.31	22.23	23.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.24	22.31	22.20	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.14	22.31	22.18	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.23	22.30	22.24	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.23	22.31	22.18	23.0

n41 Ant 3 DS11							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.22	22.32	22.23	
100	PI2 BPSK	1	137	22.25	22.33	22.25	23.0
100	PI2 BPSK	1	271	22.28	22.31	22.30	
100	PI2 BPSK	135	0	22.18	22.30	22.27	23.0
100	PI2 BPSK	135	69	22.22	22.30	22.26	23.0
100	PI2 BPSK	135	138	22.27	22.33	22.27	23.0
100	PI2 BPSK	270	0	22.25	22.32	22.24	
100	QPSK	1	1	22.27	22.38	22.26	
100	QPSK	1	107	22.24	22.36	22.24	23.0
100	QPSK	1	271	22.19	22.26	22.25	
100	QPSK	135	0	22.25	22.34	22.33	23.0
100	QPSK	135	69	22.28	22.35	22.27	23.0
100	QPSK	135	138	22.27	22.34	22.27	23.0
100	QPSK	270	0	22.24	22.36	22.26	
100	16QAM	1	1	22.21	22.31	22.29	23.0
100	64QAM	1	1	21.32	21.41	21.21	22.0
100	256QAM	1	1	19.28	19.34	19.31	23.0
Channel							
Frequency (MHz)							
90	QPSK	1	123	22.20	22.33	22.15	23.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	22.21	22.32	22.18	23.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	22.25	22.32	22.20	23.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	22.21	22.34	22.15	23.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	22.22	22.35	22.19	23.0
Channel							
Frequency (MHz)							
30	QPSK	1	39	22.18	22.32	22.25	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	22.20	22.32	22.16	23.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	22.19	22.37	22.17	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	22.21	22.37	22.15	23.0

n48 Ant 3 DS11							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	19.94	19.96	19.95	
40	PI2 BPSK	1	53	19.98	19.91	19.96	21.5
40	PI2 BPSK	1	104	19.88	19.99	19.91	
40	PI2 BPSK	50	0	19.93	20.07	20.00	21.5
40	PI2 BPSK	50	28	19.91	19.97	19.95	21.5
40	PI2 BPSK	50	56	19.97	20.09	20.06	21.5
40	PI2 BPSK	100	0	19.98	20.04	20.07	
40	QPSK	1	1	19.97	20.10	20.01	
40	QPSK	1	53	19.95	19.98	20.01	21.5
40	QPSK	1	104	19.97	20.03	19.99	
40	QPSK	50	0	19.97	20.07	19.97	21.0
40	QPSK	50	28	19.99	20.08	19.98	21.5
40	QPSK	50	56	19.98	20.06	20.05	21.0
40	QPSK	100	0	19.93	20.05	19.95	
40	16QAM	1	1	19.95	20.06	20.02	21.0
40	64QAM	1	1	17.98	18.10	18.05	19.5
40	256QAM	1	1	15.98	16.11	16.05	17.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	19.94	20.02	19.90	21.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	19.91	20.04	20.01	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	19.95	20.07	19.91	21.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	19.89	20.07	20.00	21.5

Part27Q n77 HPUE Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	20.42					
100	PI2 BPSK	1	137	20.46			21.5	0.0	
100	PI2 BPSK	1	271	20.46					
100	PI2 BPSK	135	0	20.39			21.5	0.0	
100	PI2 BPSK	135	69	20.41			21.5	0.0	
100	PI2 BPSK	135	138	20.45			21.5	0.0	
100	PI2 BPSK	270	0	20.40					
100	QPSK	1	1	20.52					
100	QPSK	1	137	20.50			21.5	0.0	
100	QPSK	1	271	20.43					
100	QPSK	135	0	20.46			21.5	0.0	
100	QPSK	135	69	20.50			21.5	0.0	
100	QPSK	135	138	20.45			21.5	0.0	
100	QPSK	270	0	20.46					
100	16QAM	1	1	20.41			21.5	0.0	
100	64QAM	1	1	19.43			20.5	1.0	
100	256QAM	1	1	17.43			18.5	3.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	20.17	20.24	20.04	21.5	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510			
80	QPSK	1	109	20.25	20.26	20.12	21.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
60	QPSK	1	81	20.15	20.21	20.08	21.5	0.0	
Channel				637668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3500.01	3525			
50	QPSK	1	67	20.15	20.22	20.07	21.5	0.0	
Channel				6370.01	635001	6363.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	20.22	20.28	20.08	21.5	0.0	
Channel				636668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469.02	3500.01	3460			
20	QPSK	1	26	20.19	20.22	20.12	21.5	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	20.15	20.28	20.08	21.5	0.0	
Channel				635334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3500.01	3545.01			
10	QPSK	1	12	20.14	20.23	20.10	21.5	0.0	

Part270 n78 Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1	18.57					
100	Pi2 BPSK	1	137	18.55			20.0	0.0	
100	Pi2 BPSK	1	271	18.58					
100	Pi2 BPSK	135	0	18.09			19.5	0.5	
100	Pi2 BPSK	135	69	18.59			20.0	0.0	
100	Pi2 BPSK	135	138	18.22			19.5	0.5	
100	Pi2 BPSK	270	0	18.17					
100	QPSK	1	1	18.05					
100	QPSK	1	137	18.59			20.0	0.0	
100	QPSK	1	271	18.56					
100	QPSK	135	0	17.57			19.0	1.0	
100	QPSK	135	69	18.60			20.0	0.0	
100	QPSK	135	138	17.60			19.0	1.0	
100	QPSK	270	0	17.66					
100	16QAM	1	1	17.58			17.5	2.5	
100	64QAM	1	1	16.15			17.5	2.5	
100	256QAM	1	1	14.14			15.5	4.5	
Channel				646968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	18.53	18.59	18.43	20.0	0.0	
Channel				640334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	18.47	18.55	18.43	20.0	0.0	
Channel				640000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	18.50	18.59	18.43	20.0	0.0	
Channel				640668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	18.46	18.52	18.50	20.0	0.0	
Channel				640334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	18.46	18.57	18.39	20.0	0.0	
Channel				640000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	18.48	18.63	18.47	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	39	18.55	18.54	18.42	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	18.48	18.63	18.42	20.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	18.50	18.58	18.48	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	18.50	18.55	18.46	20.0	0.0	

Part270 n78 HPUE Ant 3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1	18.62			21.0	0.0	
100	Pi2 BPSK	1	137	18.67					
100	Pi2 BPSK	1	271	18.65					
100	Pi2 BPSK	135	0	18.60			21.0	0.0	
100	Pi2 BPSK	135	69	18.65			21.0	0.0	
100	Pi2 BPSK	135	138	18.66			21.0	0.0	
100	Pi2 BPSK	270	0	18.58					
100	QPSK	1	1	18.68					
100	QPSK	1	137	18.66			21.0	0.0	
100	QPSK	1	271	18.60					
100	QPSK	135	0	18.63			21.0	0.0	
100	QPSK	135	69	18.64			21.0	0.0	
100	QPSK	135	138	18.61			21.0	0.0	
100	QPSK	270	0	18.62					
100	16QAM	1	1	18.58			21.0	0.0	
100	64QAM	1	1	18.14			20.5	0.5	
100	256QAM	1	1	17.20			18.5	2.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	18.44	18.51	18.32	21.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	18.55	18.43	18.39	21.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	18.45	18.53	18.39	21.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.00	3750	3770.01			
60	QPSK	1	81	18.48	18.52	18.40	21.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	18.50	18.52	18.57	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	18.55	18.50	18.34	21.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.00	3750	3785.01			
30	QPSK	1	39	19.54	19.45	19.41	21.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	19.51	19.50	19.29	21.0	0.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	18.47	19.51	19.33	21.0	0.0	
Channel				646668	650000	653168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	19.55	19.53	19.34	21.0	0.0	

Part27Q 78 Ant 3 DSI1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
Channel				633334	3000.01		
Frequency (MHz)							
100	PQ2 BPSK	1	1	18.90			
100	PQ2 BPSK	1	137	18.96			
100	PQ2 BPSK	1	271	18.98			20.0 0.0
100	PQ2 BPSK	135	0	18.60			19.5 0.5
100	PQ2 BPSK	135	69	18.69			20.0 0.0
100	PQ2 BPSK	135	138	18.55			19.5 0.5
100	PQ2 BPSK	270	0	18.37			
100	QPSK	1	1	19.06			
100	QPSK	1	137	18.93			
100	QPSK	1	271	18.87			20.0 0.0
100	QPSK	135	0	17.88			19.0 1.0
100	QPSK	135	69	19.04			20.0 0.0
100	QPSK	135	138	18.84			19.0 1.0
100	QPSK	270	0	18.10			19.0 1.0
100	16QAM	1	1	18.07			19.0 1.0
100	64QAM	1	1	18.56			17.5 2.5
100	256QAM	1	1	14.37			15.5 4.5
Channel				633300	633334	633668	
Frequency (MHz)				3485	3000.01	3005.02	
90	QPSK	1	123	18.88	18.95	18.84	
Channel				632068	633334	634000	
Frequency (MHz)				3480.02	3000.01	3010	
80	QPSK	1	109	18.85	18.93	18.85	
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3000.01	3015.01	
70	QPSK	1	96	18.86	18.94	18.82	
Channel				632000	633334	634668	
Frequency (MHz)				3480	3000.01	3020.02	
60	QPSK	1	81	18.88	18.85	18.77	
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3000.01	3025	
50	QPSK	1	67	18.95	18.95	18.85	
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3000.01	3030.01	
40	QPSK	1	53	18.87	18.94	18.83	
Channel				631000	633334	635668	
Frequency (MHz)				3465	3000.01	3035.02	
30	QPSK	1	39	18.95	18.89	18.85	
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3000.01	3040	
20	QPSK	1	26	18.94	19.00	18.76	
Channel				630334	633334	636334	
Frequency (MHz)				3457.5	3000.01	3042.52	
15	QPSK	1	19	18.89	18.89	18.79	
Channel				630334	633334	636334	
Frequency (MHz)				3450.01	3000.01	3043.01	
10	QPSK	1	12	18.85	18.95	18.82	

Part27Q 78 HPUE Ant 3 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
Channel				633334	3600.01		
100	PQ2 BPSK	1	1	20.07			
100	PQ2 BPSK	1	137	20.11			
100	PQ2 BPSK	1	271	20.07			21.0 0.0
100	PQ2 BPSK	135	0	20.04			21.0 0.0
100	PQ2 BPSK	135	69	20.10			21.0 0.0
100	PQ2 BPSK	135	138	20.08			21.0 0.0
100	PQ2 BPSK	270	0	20.08			21.0 0.0
100	QPSK	1	1	20.12			
100	QPSK	1	137	20.06			21.0 0.0
100	QPSK	1	271	20.10			
100	QPSK	135	0	20.08			21.0 0.0
100	QPSK	135	69	20.09			21.0 0.0
100	QPSK	135	138	20.01			21.0 0.0
100	QPSK	270	0	20.08			21.0 0.0
100	16QAM	1	1	20.01			21.0 0.0
100	64QAM	1	1	19.81			20.5 0.0
100	256QAM	1	1	17.62			18.5 2.5
Channel				633000	633334	633668	Tune-up limit MPR
Frequency (MHz)				3485	3000.01	3005.02	(dBm) (dB)
90	QPSK	1	123	19.91	19.94	19.87	21.0 0.0
Channel				632668	633334	634000	Tune-up limit MPR
Frequency (MHz)				3480.02	3000.01	3010	(dBm) (dB)
80	QPSK	1	109	19.91	19.94	19.83	21.0 0.0
Channel				632334	633334	634334	Tune-up limit MPR
Frequency (MHz)				3485.01	3000.01	3015.01	(dBm) (dB)
70	QPSK	1	96	19.84	19.89	19.85	21.0 0.0
Channel				632000	633334	634668	Tune-up limit MPR
Frequency (MHz)				3480	3000.01	3020.02	(dBm) (dB)
60	QPSK	1	81	19.90	19.87	19.85	21.0 0.0
Channel				631668	633334	635000	Tune-up limit MPR
Frequency (MHz)				3475.02	3000.01	3025	(dBm) (dB)
50	QPSK	1	67	19.84	19.93	19.89	21.0 0.0
Channel				631334	633334	635334	Tune-up limit MPR
Frequency (MHz)				3470.01	3000.01	3030.01	(dBm) (dB)
40	QPSK	1	53	19.91	19.99	19.85	21.0 0.0
Channel				631000	633334	635668	Tune-up limit MPR
Frequency (MHz)				3465	3000.01	3035.02	(dBm) (dB)
30	QPSK	1	39	19.90	19.97	19.85	21.0 0.0
Channel				630668	633334	636000	Tune-up limit MPR
Frequency (MHz)				3460.02	3000.01	3040	(dBm) (dB)
20	QPSK	1	26	19.83	19.98	19.79	21.0 0.0
Channel				630334	633334	636334	Tune-up limit MPR
Frequency (MHz)				3457.5	3000.01	3042.52	(dBm) (dB)
15	QPSK	1	19	19.87	19.94	19.86	21.0 0.0
Channel				630000	633334	636668	Tune-up limit MPR
Frequency (MHz)				3450.01	3000.01	3043.01	(dBm) (dB)
10	QPSK	1	12	19.86	19.92	19.84	21.0 0.0

n38 Ant 4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	17.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.05	16.08	16.04	17.5	0.0	
40	PI/2 BPSK	1	53	15.96	16.02	16.04			
40	PI/2 BPSK	1	104	16.06	16.07	16.05	17.5	0.0	
40	PI/2 BPSK	50	0	16.01	16.05	16.03			
40	PI/2 BPSK	50	28	15.97	16.07	15.98	17.5	0.0	
40	PI/2 BPSK	50	56	16.04	16.06	16.04			
40	PI/2 BPSK	100	0	15.98	16.07	15.97	17.5	0.0	
40	QPSK	1	1	16.01	16.09	16.04			
40	QPSK	1	53	15.98	16.02	16.02	17.5	0.0	
40	QPSK	1	104	15.96	16.06	16.05			
40	QPSK	50	0	15.98	16.07	16.04	17.5	0.0	
40	QPSK	50	28	16.01	16.04	16.02			
40	QPSK	50	56	15.99	16.03	16.01	17.5	0.0	
40	QPSK	100	0	16.05	16.07	16.05			
40	16QAM	1	1	16.02	16.05	15.99	17.5	0.0	
40	64QAM	1	1	16.06	16.06	16.04			
40	256QAM	1	1	16.04	16.05	16.00	17.5	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99	17.5	0.0	
30	QPSK	1	1	15.92	16.04	15.98			
Channel				516504	519000	521496	17.5	0.0	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	15.92	16.07	15.99	17.5	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610	17.5	0.0	
20	QPSK	1	1	16.01	16.04	15.98			
Channel				515502	519000	522498	17.5	0.0	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.97	16.04	16.03	17.5	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98	17.5	0.0	
10	QPSK	1	1	15.90	16.06	15.95			

n41 Ant 4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	19.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.01	17.19	17.01	19.0	0.0	
100	PI/2 BPSK	1	137	17.01	17.17	17.08			
100	PI/2 BPSK	1	271	17.06	17.15	17.06	19.0	0.0	
100	PI/2 BPSK	135	0	17.06	17.14	17.02			
100	PI/2 BPSK	135	69	17.08	17.18	17.02	19.0	0.0	
100	PI/2 BPSK	135	138	17.07	17.16	17.10			
100	PI/2 BPSK	270	0	17.09	17.16	17.02	19.0	0.0	
100	QPSK	1	1	17.10	17.22	17.08			
100	QPSK	1	137	17.03	17.16	17.12	19.0	0.0	
100	QPSK	1	271	17.03	17.15	17.03			
100	QPSK	135	0	17.05	17.18	17.07	19.0	0.0	
100	QPSK	135	69	17.08	17.19	17.11			
100	QPSK	135	138	17.01	17.13	17.02	19.0	0.0	
100	QPSK	270	0	17.10	17.20	17.12			
100	16QAM	1	1	17.10	17.20	17.07	19.0	0.0	
100	64QAM	1	1	17.10	17.21	17.07			
100	256QAM	1	1	17.04	17.15	17.10	19.0	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	19.0	0.0	
90	QPSK	1	1	17.06	17.18	16.98			
Channel				507204	518598	529998	19.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.04	17.19	17.02	19.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2536	2592.99	2639.98	19.0	0.0	
60	QPSK	1	1	17.05	17.20	17.04			
Channel				504204	518598	532998	19.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.03	17.19	17.07	19.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	19.0	0.0	
40	QPSK	1	1	16.99	17.16	17.05			
Channel				502200	518598	534996	19.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.05	17.21	17.06	19.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	19.0	0.0	
20	QPSK	1	1	17.02	17.19	16.96			
Channel				500700	518598	536496	19.0	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.06	17.17	16.97	19.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685	19.0	0.0	
10	QPSK	1	1	17.01	17.17	17.00			

n48 Ant 5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				636000	641666	646332		
Frequency (MHz)				3570	3624.99	3680		
40	P12 BPSK	1	1	14.99	15.04	15.04		
40	P12 BPSK	1	53	14.99	15.01	15.06	16.5	0.0
40	P12 BPSK	1	104	15.02	15.07	15.00		
40	P12 BPSK	50	0	15.04	15.03	14.96	16.5	0.0
40	P12 BPSK	50	28	15.05	15.02	15.07	16.5	0.0
40	P12 BPSK	50	56	15.03	15.05	14.98	16.5	0.0
40	P12 BPSK	100	0	14.98	15.10	15.05		
40	QPSK	1	1	15.06	15.12	15.05		
40	QPSK	1	53	14.99	15.11	15.04	16.5	0.0
40	QPSK	1	104	14.99	15.01	15.08		
40	QPSK	50	0	15.03	15.04	15.00	16.5	0.0
40	QPSK	50	28	15.04	15.05	15.03	16.5	0.0
40	QPSK	50	56	15.03	15.04	15.04	16.5	0.0
40	QPSK	100	0	15.05	15.08	15.07		
40	16QAM	1	1	15.05	15.06	15.02	16.5	0.0
40	16QAM	1	1	15.02	15.09	15.04	16.5	0.0
40	256QAM	1	1	15.01	15.06	15.04	16.5	0.0
Channel				3565.02	3624.99	3684.99		
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.99	15.08	15.03	16.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3560.01	3624.99	3690.00		
20	QPSK	1	1	15.03	15.00	14.93	16.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR
Frequency (MHz)				3567.52	3624.99	3692.49		
15	QPSK	1	1	15.01	15.10	14.96	16.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3565	3624.99	3695		
10	QPSK	1	1	15.01	15.11	15.03	16.5	0.0

Par270 n77 PC2&3 Ant 5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	P12 BPSK	1	1	16.14	16.11	16.09		
100	P12 BPSK	1	137	16.04	16.09	16.06	17.5	0.0
100	P12 BPSK	1	271	16.16	16.11	16.06		
100	P12 BPSK	135	0	16.09	16.11	16.10	17.5	0.0
100	P12 BPSK	135	69	16.05	16.14	16.16	17.5	0.0
100	P12 BPSK	135	138	16.07	16.16	16.11	17.5	0.0
100	P12 BPSK	270	0	16.09	16.16	16.12		
100	QPSK	1	1	16.13	16.19	16.16		
100	QPSK	1	137	16.04	16.15	16.06	17.5	0.0
100	QPSK	1	271	16.09	16.18	16.09		
100	QPSK	135	0	16.06	16.12	16.10	17.5	0.0
100	QPSK	135	69	16.08	16.14	16.11	17.5	0.0
100	QPSK	135	138	16.10	16.13	16.07	17.5	0.0
100	QPSK	270	0	16.09	16.17	16.13		
100	16QAM	1	1	16.14	16.16	16.11	17.5	0.0
100	16QAM	1	1	16.09	16.16	16.14	17.5	0.0
100	256QAM	1	1	16.09	16.10	16.16	17.5	0.0
Channel				646068	650000	653334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	16.09	16.17	16.13	17.5	0.0
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	16.06	16.14	16.12	17.5	0.0
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	16.10	16.10	16.06	17.5	0.0
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	16.07	16.15	16.13	17.5	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	16.11	16.11	16.10	17.5	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	16.11	16.14	16.09	17.5	0.0
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	19	16.04	16.17	16.07	17.5	0.0
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	16.12	16.11	16.07	17.5	0.0

Part27Q n77 PC2&3 Ant 5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel						633334		
Frequency (MHz)						3500.01		
100	P12 BPSK	1	1			16.05		
100	P12 BPSK	1	137			16.09	17.5	0.0
100	P12 BPSK	1	271			16.11		
100	P12 BPSK	135	0			16.06	17.5	0.0
100	P12 BPSK	135	69			16.04	17.5	0.0
100	P12 BPSK	135	138			16.10	17.5	0.0
100	P12 BPSK	270	0			16.11		
100	QPSK	1	1			16.13		
100	QPSK	1	137			16.10	17.5	0.0
100	QPSK	1	271			16.07		
100	QPSK	135	0			16.08	17.5	0.0
100	QPSK	135	69			16.11	17.5	0.0
100	QPSK	135	138			16.06	17.5	0.0
100	QPSK	270	0			16.10		
100	16QAM	1	1			16.04	17.5	0.0
100	16QAM	1	1			16.06	17.5	0.0
100	256QAM	1	1			16.05	17.5	0.0
Channel				633000		633668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	15.97	15.95	15.85	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.98	16.01	15.70	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.94	15.97	15.80	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.02	3500.01	3520		
50	QPSK	1	67	15.91	15.96	15.87	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.97	15.94	15.83	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	15.90	15.99	15.81	17.5	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.91	15.96	15.81	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.91	15.95	15.79	17.5	0.0

Part27O n78 PC2&3 Ant 5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		18.11		17.5	0.0	
100	PI2 BPSK	1	137		18.07				
100	PI2 BPSK	1	271		18.08				
100	PI2 BPSK	135	0		18.10		17.5	0.0	
100	PI2 BPSK	135	69		18.04		17.5	0.0	
100	PI2 BPSK	135	138		18.11		17.5	0.0	
100	PI2 BPSK	270	0		18.08		17.5	0.0	
100	QPSK	1	1		18.14				
100	QPSK	1	137		18.04				
100	QPSK	1	271		18.08		17.5	0.0	
100	QPSK	135	0		18.07				
100	QPSK	135	69		18.13				
100	QPSK	135	138		18.12		17.5	0.0	
100	QPSK	270	0		18.11		17.5	0.0	
100	16QAM	1	1		18.02		17.5	0.0	
100	64QAM	1	1		18.03		17.5	0.0	
100	256QAM	1	1		18.07		17.5	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	15.95	15.99	15.87	17.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	15.97	16.03	15.92	17.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	15.99	15.95	15.85	17.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.02	3750	3770.01			
60	QPSK	1	81	15.98	15.92	15.87	17.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	15.98	15.98	15.90	17.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	18.02	15.99	15.95	17.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	39	15.97	16.04	15.87	17.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	18.03	15.97	15.88	17.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	18.00	16.04	15.93	17.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705 <th>3750</th> <th>3795<th></th><th colspan="2"></th></th>	3750	3795 <th></th> <th colspan="2"></th>			
10	QPSK	1	12	16.04	16.03	15.90	17.5	0.0	

Part27Q 78 PC2&3 Ant 5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.08		17.5	0.0	
100	PI2 BPSK	1	137		18.07				
100	PI2 BPSK	1	271		15.99				
100	PI2 BPSK	135	0		18.08		17.5	0.0	
100	PI2 BPSK	135	69		15.99		17.5	0.0	
100	PI2 BPSK	135	138		18.05		17.5	0.0	
100	PI2 BPSK	270	0		18.08		17.5	0.0	
100	QPSK	1	1		18.11				
100	QPSK	1	137		18.06				
100	QPSK	1	271		18.05		17.5	0.0	
100	QPSK	135	0		18.02				
100	QPSK	135	69		18.08				
100	QPSK	135	138		18.04		17.5	0.0	
100	QPSK	270	0		18.02		17.5	0.0	
100	16QAM	1	1		18.00		17.5	0.0	
100	64QAM	1	1		18.03		17.5	0.0	
100	256QAM	1	1		18.08		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	15.93	18.02	15.98	17.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	15.94	18.01	15.90	17.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	15.96	15.98	15.91	17.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	15.90	15.97	15.97	17.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	15.90	15.99	15.87	17.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	15.86	18.02	15.92	17.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	15.91	15.99	15.90	17.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.95	15.92	15.90	17.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	15.88	18.02	15.88	17.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	15.86	18.03	15.90	17.5	0.0	

n38 Ant 7 DS11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	18.24	18.30	18.21	20.0	0.0			
40	PI2 BPSK	1	53	18.26	18.26	18.23					
40	PI2 BPSK	1	104	18.23	18.25	18.21					
40	PI2 BPSK	50	0	17.81	17.91	17.80	19.5	0.5			
40	PI2 BPSK	50	28	18.21	18.26	18.26	20.0	0.0			
40	PI2 BPSK	50	56	17.81	17.90	17.79	19.5	0.5			
40	PI2 BPSK	100	0	17.77	17.84	17.78	20.0	0.0			
40	QPSK	1	1	18.31	18.38	18.32					
40	QPSK	1	53	18.27	18.30	18.23					
40	QPSK	1	104	18.25	18.30	18.26	19.0	1.0			
40	QPSK	50	0	17.30	17.43	17.27					
40	QPSK	50	28	18.27	18.35	18.21	20.0	0.0			
40	QPSK	50	56	17.36	17.39	17.36	19.0	1.0			
40	QPSK	100	0	17.27	17.40	17.37	19.0	1.0			
40	16QAM	1	1	17.25	17.37	17.31					
40	64QAM	1	1	15.86	15.88	15.86	17.5	2.5			
40	256QAM	1	1	13.86	13.86	13.82	15.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	17.9702	18.0000	18.0096	Tune-up limit (dBm)	MPR (dB)			
Channel				2495.01	2500	2494.98	20.0	0.0			
Frequency (MHz)				156504	156000	1524496					
Frequency (MHz)				2495.02	2490	2470.63					
25	QPSK	1	1	18.17	18.30	18.19	20.0	0.0			
Channel				156000	156000	1522000	Tune-up limit (dBm)	MPR (dB)			
Channel				2500	2500	2494	20.0	0.0			
Frequency (MHz)				15627	18.30	18.24					
Channel				22242	18.000	22242					
20	QPSK	1	1	18.27	18.36	18.20	20.0	0.0			
Channel				2577.51	2560	2560.24	Tune-up limit (dBm)	MPR (dB)			
Channel				2577.51	2560	2561.24	20.0	0.0			
Frequency (MHz)				30156	156000	152296					
Frequency (MHz)				2577.51	2560	2615.12					
15	QPSK	1	1	18.17	18.25	18.29	20.0	0.0			
Channel				30156	156000	152296	Tune-up limit (dBm)	MPR (dB)			
Channel				2577.51	2560	2615.12	20.0	0.0			
Frequency (MHz)				18.20	18.33	18.26					
Channel				18.20	18.33	18.26					

n41 Ant 7 DS11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				506020			506090				
Frequency (MHz)				2546.01			2560.99				
100	PI2 BPSK	1	1	18.34	18.37	18.31	20.0	0.0			
100	PI2 BPSK	1	137	18.36	18.37	18.25					
100	PI2 BPSK	1	271	18.31	18.34	18.30					
100	PI2 BPSK	135	0	17.82	17.92	17.86	19.5	0.5			
100	PI2 BPSK	135	69	18.32	18.36	18.34	20.0	0.0			
100	PI2 BPSK	135	138	17.85	17.98	17.82	19.5	0.5			
100	PI2 BPSK	270	0	17.87	17.93	17.85	20.0	0.0			
100	QPSK	1	1	18.42	18.45	18.33					
100	QPSK	1	107	18.36	18.39	18.23					
100	QPSK	1	271	18.31	18.46	18.31	19.0	1.0			
100	QPSK	135	0	17.41	17.49	17.34					
100	QPSK	135	69	18.36	18.45	18.25	20.0	0.0			
100	QPSK	135	138	17.44	17.50	17.46	19.0	1.0			
100	QPSK	270	0	17.35	17.46	17.44	19.0	1.0			
100	16QAM	1	1	17.27	17.47	17.35					
100	64QAM	1	1	15.97	15.99	15.88	17.5	2.5			
100	256QAM	1	1	13.31	13.92	13.92	15.5	4.5			
Channel				506020			506090				
Frequency (MHz)				2541			2560.99				
90	QPSK	1	123	18.25	18.29	18.33	20.0	0.0			
Channel				505204			505269				
Frequency (MHz)				2536.02			2562.99				
80	QPSK	1	109	18.19	18.38	18.36	20.0	0.0			
Channel				505020			505085				
Frequency (MHz)				2528			2562.99				
60	QPSK	1	81	18.21	18.39	18.35	20.0	0.0			
Channel				504204			503298				
Frequency (MHz)				2521.05			2564.99				
50	QPSK	1	67	18.28	18.36	18.34	20.0	0.0			
Channel				503022			504006				
Frequency (MHz)				2516.01			2562.99				
40	QPSK	1	53	18.24	18.37	18.39	20.0	0.0			
Channel				502200			503196				
Frequency (MHz)				2511			2562.99				
30	QPSK	1	39	18.24	18.40	18.38	20.0	0.0			
Channel				501204			501898				
Frequency (MHz)				2506.02			2562.99				
20	QPSK	1	26	18.18	18.31	18.34	20.0	0.0			
Channel				500400			500994				
Frequency (MHz)				2503.5			2562.99				
15	QPSK	1	19	18.23	18.31	18.30	20.0	0.0			
Channel				500202			501898				
Frequency (MHz)				2501.01			2562.99				
10	QPSK	1	12	18.25	18.35	18.32	20.0	0.0			

n48 Ant 7 DS11											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	19.37	19.38	19.34	21.0	0.0			
40	PI2 BPSK	1	53	19.33	19.47	19.44					
40	PI2 BPSK	1	104	19.39	19.39	19.43					
40	PI2 BPSK	50	0	19.35	19.48	19.45	21.0	0.0			
40	PI2 BPSK	50	28	19.42	19.45	19.36	21.0	0.0			
40	PI2 BPSK	50	56	19.42	19.46	19.36	21.0	0.0			
40	PI2 BPSK	100	0	19.35	19.38	19.44					
40	QPSK	1	1	19.42	19.43	19.41					
40	QPSK	1	53	19.35	19.38	19.35	21.0	0.0			
40	QPSK	1	104	19.31	19.41	19.40					
40	QPSK	50	0	19.34	19.40	19.37	21.0	0.0			
40	QPSK	50	28	19.38	19.46	19.45	21.0	0.0			
40	QPSK	50	56	19.37	19.41	19.39	21.0	0.0			
40	QPSK	100	0	19.37	19.45	19.40					
40	16QAM	1	1	19.39	19.48	19.36	21.0	0.0			
40	64QAM	1	1	19.37	19.48	19.37	21.0	0.0			
40	256QAM	1	1	18.41	18.46	18.45	20.0	1.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	19.30	19.47	19.34	21.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	19.34	19.43	19.35	21.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	19.32	19.47	19.29	21.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	19.31	19.43	19.33	21.0	0.0			

Par270 n77 PC2&3 Ant 7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	17.55	17.56	17.53			
100	Pi2 BPSK	1	137	17.56	17.56	17.55	19.0	0.0	
100	Pi2 BPSK	1	271	17.55	17.60	17.62			
100	Pi2 BPSK	135	0	17.56	17.62	17.61	19.0	0.0	
100	Pi2 BPSK	135	69	17.57	17.64	17.59	19.0	0.0	
100	Pi2 BPSK	135	138	17.55	17.62	17.52			
100	Pi2 BPSK	270	0	17.51	17.62	17.56	19.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	1	17.58	17.66	17.60			
100	QPSK	1	137	17.54	17.65	17.60	19.0	0.0	
100	QPSK	1	271	17.52	17.59	17.60			
100	QPSK	135	0	17.57	17.60	17.57	19.0	0.0	
100	QPSK	135	69	17.55	17.64	17.59	19.0	0.0	
100	QPSK	135	138	17.57	17.61	17.54	19.0	0.0	
100	QPSK	270	0	17.54	17.55	17.51	19.0	0.0	
100	16QAM	1	1	17.56	17.60	17.51	19.0	0.0	
100	64QAM	1	1	17.51	17.59	17.50	19.0	0.0	
100	256QAM	1	1	17.54	17.57	17.51	19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	17.49	17.50	17.38	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	17.45	17.50	17.41	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	17.40	17.51	17.45	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	17.47	17.55	17.45	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	17.50	17.58	17.34	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	17.50	17.57	17.46	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	17.45	17.52	17.38	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	17.44	17.50	17.35	19.0	0.0	

Part27Q n77 PC2&3 Ant 7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1	17.63					
100	Pi2 BPSK	1	137	17.61			19.0	0.0	
100	Pi2 BPSK	1	271	17.63					
100	Pi2 BPSK	135	0	17.76			19.0	0.0	
100	Pi2 BPSK	135	69	17.75			19.0	0.0	
100	Pi2 BPSK	135	138	17.80			19.0	0.0	
100	Pi2 BPSK	270	0	17.62					
100	QPSK	1	1	17.66					
100	QPSK	1	137	17.64			19.0	0.0	
100	QPSK	1	271	17.75					
100	QPSK	135	0	17.78			19.0	0.0	
100	QPSK	135	69	17.65			19.0	0.0	
100	QPSK	135	138	17.76			19.0	0.0	
100	QPSK	270	0	17.75			19.0	0.0	
100	16QAM	1	1	17.63			19.0	0.0	
100	64QAM	1	1	17.62			19.0	0.0	
100	256QAM	1	1	17.75			19.0	0.0	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
90	QPSK	1	123	17.72	17.78	17.62	19.0	0.0	
Channel									
Frequency (MHz)				3490.02	3500.01	3510.00	Tune-up limit (dbm)	MPR (db)	
80	QPSK	1	109	17.62	17.75	17.61	19.0	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
60	QPSK	1	81	17.71	17.80	17.67	19.0	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
50	QPSK	1	67	17.67	17.73	17.69	19.0	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
40	QPSK	1	53	17.60	17.73	17.69	19.0	0.0	
Channel									
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dbm)	MPR (db)	
30	QPSK	1	40	17.63	17.73	17.69	19.0	0.0	
Channel									
Frequency (MHz)				3460.02	3500.01	3540.02	Tune-up limit (dbm)	MPR (db)	
20	QPSK	1	26	17.64	17.77	17.62	19.0	0.0	
Channel									
Frequency (MHz)				3450.00	353334	358334	Tune-up limit (dbm)	MPR (db)	
15	QPSK	1	19	17.63	17.81	17.66	19.0	0.0	
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	12	17.67	17.73	17.62	19.0	0.0	

Part270 n78 PC2&3 Ant 7 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	18.01	3750	3750			
100	Pi2 BPSK	1	137	18.00			19.5		0.0
100	Pi2 BPSK	1	271	18.02					
100	Pi2 BPSK	135	0	17.91			19.5		0.0
100	Pi2 BPSK	135	69	17.97			19.5		0.0
100	Pi2 BPSK	135	138	18.01			19.5		0.0
100	Pi2 BPSK	270	0	17.91					
100	QPSK	1	1	18.03					
100	QPSK	1	137	17.93			19.5		0.0
100	QPSK	1	271	17.93					
100	QPSK	135	0	17.92			19.5		0.0
100	QPSK	135	69	17.98			19.5		0.0
100	QPSK	135	138	17.97			19.5		0.0
100	QPSK	270	0	18.00					
100	16QAM	1	1	17.99			19.5		0.0
100	64QAM	1	1	17.92			19.5		0.0
100	256QAM	1	1	17.97			19.5		0.0
Channel									
Frequency (MHz)									
90	QPSK	1	123	17.86	3750	3755.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109	17.79	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	95	17.80	3750	3760.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	81	17.75	3750	3765.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	67	17.77	3750	3770.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	53	17.82	3750	3775.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	39	17.81	3750	3780.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26	17.82	3750	3785.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19	17.83	3750	3792.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12	17.83	3750	3795.01	Tune-up limit (dBm)	MPR (dB)	

Part27Q n78 PC2&3 Ant 7 DSI1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334			MPR (dB)
Frequency (MHz)				3500.01			
100	PQ2 BPSK	1	1	18.38			19.5
100	PQ2 BPSK	1	137	18.39			19.5
100	PQ2 BPSK	1	271	18.41			19.5
100	PQ2 BPSK	135	0	18.40			19.5
100	PQ2 BPSK	135	69	18.38			19.5
100	PQ2 BPSK	135	138	18.35			19.5
100	PQ2 BPSK	270	0	18.34			19.5
100	QPSK	1	1	18.42			19.5
100	QPSK	1	137	18.41			19.5
100	QPSK	1	271	18.37			19.5
100	QPSK	135	0	18.34			19.5
100	QPSK	135	69	18.40			19.5
100	QPSK	135	138	18.37			19.5
100	QPSK	270	0	18.35			19.5
100	16QAM	1	1	18.38			19.5
100	64QAM	1	1	18.38			19.5
100	256QAM	1	1	18.37			19.5
Channel				633000	633334	633668	Tune-up limit (dBm)
Frequency (MHz)				3485	3500.01	3505.02	MPR (dB)
90	QPSK	1	123	18.06	18.18	17.96	19.5
Channel				632668	633334	634000	Tune-up limit (dBm)
Frequency (MHz)				3480.02	3500.01	3510	MPR (dB)
80	QPSK	1	109	18.04	18.17	18.01	19.5
Channel				632334	633334	634334	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3500.01	3515.01	MPR (dB)
70	QPSK	1	95	18.14	18.10	18.07	19.5
Channel				632000	633334	634668	Tune-up limit (dBm)
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)
60	QPSK	1	81	18.11	18.21	18.01	19.5
Channel				631668	633334	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)
50	QPSK	1	67	18.13	18.20	18.04	19.5
Channel				631334	633334	635334	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3500.01	3528.01	MPR (dB)
40	QPSK	1	53	18.07	18.13	18.02	19.5
Channel				631000	633334	635668	Tune-up limit (dBm)
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)
30	QPSK	1	39	18.11	18.17	17.98	19.5
Channel				630668	633334	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)
20	QPSK	1	25	18.13	18.10	17.96	19.5
Channel				630334	633334	636334	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)
15	QPSK	1	19	18.07	18.17	17.95	19.5
Channel				630334	633334	636334	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)
10	QPSK	1	12	18.15	18.15	17.95	19.5

Reduced Power Mode for Main PA DS11 ENDC								
n7 Ant 3 DS11 for ENDC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.31	19.42	19.33	20.0	0.0
50	PI/2 BPSK	1	135	19.29	19.31	19.26		
50	PI/2 BPSK	1	268	19.35	19.42	19.32		
50	PI/2 BPSK	135	0	19.30	19.30	19.31	20.0	0.0
50	PI/2 BPSK	135	68	19.26	19.36	19.23	20.0	0.0
50	PI/2 BPSK	135	135	19.33	19.41	19.32	20.0	0.0
50	PI/2 BPSK	270	0	19.32	19.42	19.27		
50	QPSK	1	1	19.36	19.36	19.24	20.0	0.0
50	QPSK	1	135	19.26	19.25	19.26		
50	QPSK	1	268	19.38	19.45	19.39		
50	QPSK	135	0	19.34	19.39	19.22	20.0	0.0
50	QPSK	135	68	19.36	19.42	19.32	20.0	0.0
50	QPSK	135	135	19.31	19.29	19.24	20.0	0.0
50	QPSK	270	0	19.36	19.44	19.34		
50	16QAM	1	1	19.27	19.37	19.21	20.0	0.0
50	64QAM	1	1	19.31	19.37	19.36	20.0	0.0
50	256QAM	1	1	19.33	19.37	19.28	20.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.26	19.35	19.21	20.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.31	19.32	19.19	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.32	19.31	19.19	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.32	19.33	19.16	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.26	19.34	19.19	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.26	19.30	19.21	20.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.27	19.30	19.15	20.0	0.0

n5 Ant 4 DSI1 for END C								
BW [MHz]	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	21.2	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	20.22	20.15	20.16	21.2	0.0
20	PI/2 BPSK	1	53	20.14	20.15	20.13		
20	PI/2 BPSK	1	104	20.29	20.29	20.10	21.2	0.0
20	PI/2 BPSK	50	0	20.18	20.28	20.15		
20	PI/2 BPSK	50	28	20.14	20.23	20.16	21.2	0.0
20	PI/2 BPSK	50	56	20.24	20.27	20.16		
20	PI/2 BPSK	100	0	20.19	20.22	20.18	21.2	0.0
20	QPSK	1	1	20.25	20.32	20.29		
20	QPSK	1	53	20.25	20.29	20.19	21.2	0.0
20	QPSK	1	104	20.25	20.24	20.25		
20	QPSK	50	0	20.20	20.20	20.18	21.2	0.0
20	QPSK	50	28	20.21	20.30	20.23		
20	QPSK	50	56	20.24	20.17	20.20	21.2	0.0
20	QPSK	100	0	20.24	20.16	20.16		
20	16QAM	1	1	20.15	20.28	20.17	21.2	0.0
20	64QAM	1	1	20.27	20.30	20.15		
20	256QAM	1	1	20.13	20.30	20.19	21.2	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.17	20.26	20.17	21.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.22	20.29	20.26	21.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.17	20.26	20.22	21.2	0.0

n38 Ant 3 DSI1 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	20.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.33	19.34	19.26	20.0	0.0	
40	PI/2 BPSK	1	53	19.26	19.22	19.29			
40	PI/2 BPSK	1	104	19.25	19.31	19.18	20.0	0.0	
40	PI/2 BPSK	50	0	19.22	19.32	19.20			
40	PI/2 BPSK	50	28	19.18	19.25	19.27	20.0	0.0	
40	PI/2 BPSK	50	56	19.24	19.38	19.30			
40	PI/2 BPSK	100	0	19.19	19.23	19.19	20.0	0.0	
40	QPSK	1	1	19.30	19.40	19.30			
40	QPSK	1	53	19.21	19.25	19.25	20.0	0.0	
40	QPSK	1	104	19.20	19.32	19.26			
40	QPSK	50	0	19.19	19.26	19.24	20.0	0.0	
40	QPSK	50	28	19.26	19.35	19.30			
40	QPSK	50	56	19.19	19.30	19.26	20.0	0.0	
40	QPSK	100	0	19.27	19.33	19.24			
40	16QAM	1	1	19.18	19.28	19.23	20.0	0.0	
40	64QAM	1	1	19.25	19.34	19.21			
40	256QAM	1	1	19.22	19.30	19.27	20.0	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.28	19.34	19.24	20.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	19.22	19.38	19.22	20.0	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.27	19.33	19.22	20.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.25	19.30	19.20	20.0	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.30	19.33	19.29	20.0	0.0	
Channel				514500	519000	523500			
Frequency (MHz)				2572.53	2595	2617.50	Tune-up limit (dBm)	MPR (dB)	

n41 Ant 3 DSI1 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.20	19.36	19.29	20.0	0.0	
100	PI/2 BPSK	1	137	19.23	19.29	19.28			
100	PI/2 BPSK	1	271	19.30	19.34	19.26	20.0	0.0	
100	PI/2 BPSK	135	0	19.14	19.35	19.24			
100	PI/2 BPSK	135	69	19.21	19.35	19.25	20.0	0.0	
100	PI/2 BPSK	135	138	19.27	19.35	19.29			
100	PI/2 BPSK	270	0	19.21	19.34	19.19	20.0	0.0	
100	QPSK	1	1	19.24	19.38	19.29			
100	QPSK	1	137	19.27	19.35	19.25	20.0	0.0	
100	QPSK	1	271	19.23	19.35	19.23			
100	QPSK	135	0	19.19	19.31	19.29	20.0	0.0	
100	QPSK	135	69	19.29	19.34	19.29			
100	QPSK	135	138	19.31	19.32	19.23	20.0	0.0	
100	QPSK	270	0	19.21	19.32	19.22			
100	16QAM	1	1	19.20	19.25	19.24	20.0	0.0	
100	64QAM	1	1	19.28	19.37	19.16			
100	256QAM	1	1	19.28	19.34	19.31	20.0	0.0	
Channel				508200	518598	528996			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	19.22	19.35	19.26	20.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	19.20	19.33	19.23	20.0	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	19.23	19.37	19.26	20.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	19.15	19.35	19.18	20.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	19.20	19.31	19.26	20.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	19.23	19.30	19.23	20.0	0.0	
Channel				501204.00	518598.00	535998.00			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	19.17	19.32	19.27	20.0	0.0	
Channel				500700.00	518598.00	536496.00			
Frequency (MHz)				2503.50	2592.99	2682.48	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	19.16	19.37	19.18	20.0	0.0	
Channel				500302.00	518598.00	537000.00			
Frequency (MHz)				2501.01	2592.99	2685.00	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	19.13	19.33	19.18	20.0	0.0	
Channel				500000.00	518598.00	537500.00			
Frequency (MHz)				2499.00	2592.99	2685.00	Tune-up limit (dBm)	MPR (dB)	

Part27Q 78 PC2&3 Ant 5 DS11 for ENDC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	13.04				
100	PI2 BPSK	1	137	12.98		14.5	0.0	
100	PI2 BPSK	1	271	12.91				
100	PI2 BPSK	135	0	13.00		14.5	0.0	
100	PI2 BPSK	135	69	12.99		14.5	0.0	
100	PI2 BPSK	135	138	12.94		14.5	0.0	
100	PI2 BPSK	270	0	13.00				
100	QPSK	1	1	13.05				
100	QPSK	1	137	13.07		14.5	0.0	
100	QPSK	1	271	12.95				
100	QPSK	135	0	12.92		13.5	1.0	
100	QPSK	135	69	13.03		14.5	0.0	
100	QPSK	135	138	13.00		13.5	1.0	
100	QPSK	270	0	13.02				
100	16QAM	1	1	13.00		14.5	0.0	
100	64QAM	1	1	13.02		14.5	0.0	
100	256QAM	1	1	13.02		14.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	123	12.88	13.03	12.92	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	12.97	13.04	13.01	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	95	12.94	12.97	12.93	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	12.97	12.97	12.96	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	12.91	13.07	12.94	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	12.87	13.04	13.01	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3551.02		
30	QPSK	1	39	12.97	13.08	12.93	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	12.90	13.00	12.94	14.5	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3451.5	3500.01	3542.5		
15	QPSK	1	19	12.98	13.07	12.98	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	12.90	12.99	12.93	14.5	0.0

n2 Ant 1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.97	22.94	22.90		
20	PI2 BPSK	1	53	22.99	23.02	22.96	24.0	0.5
20	PI2 BPSK	1	104	22.79	22.97	22.81		
20	PI2 BPSK	50	0	22.51	22.58	22.45		
20	PI2 BPSK	50	28	22.99	23.02	22.94	24.0	0.5
20	PI2 BPSK	50	56	22.43	22.56	22.43		
20	PI2 BPSK	100	0	22.46	22.59	22.51		
20	QPSK	1	1	22.93	23.07	22.86	24.5	0.0
20	QPSK	1	53	22.99	23.01	22.94		
20	QPSK	1	104	22.79	22.88	22.84		
20	QPSK	50	0	21.96	22.08	22.03	23.5	1.0
20	QPSK	50	28	22.92	23.05	22.91		
20	QPSK	50	56	22.00	22.07	22.05		
20	QPSK	100	0	22.06	22.12	22.03	23.5	1.0
20	16QAM	1	1	21.76	21.79	21.75		
20	64QAM	1	1	20.29	20.40	20.35		
20	256QAM	1	1	18.90	19.03	18.97	20.0	4.5
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.87	22.93	22.93	24.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1900	1900	1900		
10	QPSK	1	1	22.84	23.01	22.90		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.89	23.02	22.86		

Reduced Power Mode for Main PA DSI2

n5 Ant 1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167500	167800	25.7	0.0
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	24.20	24.27	24.15		
20	PI2 BPSK	1	53	24.39	24.45	24.36	25.2	0.5
20	PI2 BPSK	1	104	24.35	24.47	24.34		
20	PI2 BPSK	50	0	23.96	24.09	23.99		
20	PI2 BPSK	50	28	24.39	24.45	24.31	25.7	0.0
20	PI2 BPSK	50	56	24.01	24.09	24.01		
20	PI2 BPSK	100	0	24.03	24.08	23.98		
20	QPSK	1	1	24.46	24.58	24.50	25.7	0.0
20	QPSK	1	53	24.32	24.43	24.35		
20	QPSK	1	104	24.31	24.38	24.29		
20	QPSK	50	0	23.48	23.61	23.54	24.7	1.0
20	QPSK	50	28	24.39	24.47	24.38		
20	QPSK	50	56	23.06	23.11	23.09		
20	QPSK	100	0	23.55	23.65	23.52	24.7	1.0
20	16QAM	1	1	23.10	23.22	23.18		
20	64QAM	1	1	21.70	21.81	21.77		
20	256QAM	1	1	20.31	20.42	20.36	21.2	4.5
Channel				165300	165900	166500		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.39	24.51	24.38	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				820	835	844		
10	QPSK	1	1	24.39	24.50	24.45		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.45	24.48	24.46		

n7 Ant 1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.38	23.45	23.37		
50	PI2 BPSK	1	135	23.38	23.44	23.41	25.0	0.0
50	PI2 BPSK	1	268	23.31	23.33	23.19		
50	PI2 BPSK	135	0	22.90	23.00	22.90		
50	PI2 BPSK	135	68	23.35	23.40	23.35	24.5	0.5
50	PI2 BPSK	135	135	23.02	23.15	23.13		
50	PI2 BPSK	270	0	22.94	23.04	22.96		
50	QPSK	1	1	23.38	23.41	23.35	25.0	0.0
50	QPSK	1	135	23.33	23.46	23.34		
50	QPSK	1	268	23.49	23.52	23.45		
50	QPSK	135	0	22.44	22.50	22.38	24.0	1.0
50	QPSK	135	68	23.34	23.42	23.38		
50	QPSK	135	135	22.54	22.63	22.57		
50	QPSK	270	0	22.50	22.58	22.45	24.0	1.0
50	16QAM	1	1	22.12	22.26	22.12		
50	64QAM	1	1	20.75	20.85	20.81		
50	256QAM	1	1	19.04	19.03	19.00	20.5	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.38	23.48	23.37	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.44	23.46	23.39		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.38	23.40	23.38	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.37	23.40	23.35	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.45	23.49	23.32	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.40	23.40	23.40	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.46	23.47	23.40	25.0	0.0

n66 Ant 1 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.60	22.67	22.83	24.5	0.0	
40	Pl2 BPSK	1	108	22.59	22.72	22.80			
40	Pl2 BPSK	1	214	22.82	22.85	22.85			
40	Pl2 BPSK	108	0	22.60	22.72	22.86	24.5	0.0	
40	Pl2 BPSK	108	54	22.64	22.89	22.59	24.5	0.0	
40	Pl2 BPSK	108	108	22.64	22.82	22.57	24.5	0.0	
40	Pl2 BPSK	216	0	22.68	22.82	22.82			
40	QPSK	1	1	22.69	22.75	22.70			
40	QPSK	1	108	22.66	22.72	22.57	24.5	0.0	
40	QPSK	1	214	22.59	22.73	22.86	24.5	0.0	
40	QPSK	108	0	22.61	22.72	22.57			
40	QPSK	108	54	22.58	22.89	22.87			
40	QPSK	108	108	22.64	22.83	22.58	24.5	0.0	
40	QPSK	216	0	22.56	22.82	22.83			
40	16QAM	1	1	22.56	22.59	22.57	24.5	0.0	
40	64QAM	1	1	21.19	21.29	21.17	23.0	1.5	
40	256QAM	1	1	19.15	19.30	19.15	21.0	3.5	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dbm)	(db)	
30	QPSK	1	1	22.65	22.67	22.57	24.5	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dbm)	(db)	
25	QPSK	1	1	22.55	22.82	22.66	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dbm)	(db)	
20	QPSK	1	1	22.60	22.84	22.57	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dbm)	(db)	
15	QPSK	1	1	22.62	22.82	22.85	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dbm)	(db)	
10	QPSK	1	1	22.62	22.71	22.80	24.5	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dbm)	(db)	
5	QPSK	1	1	22.54	22.84	22.86	24.5	0.0	

n7 Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	23.62	23.70	23.63	24.5	0.0	
50	PI/2 BPSK	1	135	23.62	23.68	23.54			
50	PI/2 BPSK	1	268	23.62	23.71	23.51	24.0	0.5	
50	PI/2 BPSK	135	0	23.28	23.35	23.24			
50	PI/2 BPSK	135	68	23.57	23.79	23.58	24.5	0.0	
50	PI/2 BPSK	135	135	23.27	23.33	23.25			
50	PI/2 BPSK	270	0	23.27	23.41	23.32	24.0	0.5	
50	QPSK	1	1	23.78	23.77	23.66			
50	QPSK	1	135	23.67	23.75	23.67	24.5	0.0	
50	QPSK	1	268	23.81	23.86	23.79			
50	QPSK	135	0	22.77	22.82	22.81	23.5	1.0	
50	QPSK	135	68	23.67	23.81	23.65			
50	QPSK	135	135	22.78	22.84	22.75	23.5	1.0	
50	QPSK	270	0	22.81	22.85	22.79			
50	16QAM	1	1	22.82	22.82	22.77	23.5	1.0	
50	64QAM	1	1	21.32	21.37	21.34		2.5	
50	256QAM	1	1	19.33	19.37	19.28	20.0	4.5	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550	24.5	0.0	
40	QPSK	1	1	23.64	23.75	23.55			
Channel				503000	507000	511000	24.5	0.0	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.57	23.74	23.60	24.5	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5	24.5	0.0	
25	QPSK	1	1	23.65	23.75	23.54			
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.53	23.76	23.57	24.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	1	23.59	23.69	23.52			
Channel				501000	507000	513000	24.5	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.58	23.72	23.59	24.5	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0	
5	QPSK	1	1	23.56	23.77	23.52			

n2 Ant 4 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	21.92	21.95	21.97		
20	PI2 BPSK	1	53	21.93	22.03	21.88	23.5	0.0
20	PI2 BPSK	1	104	21.90	21.96	21.94		
20	PI2 BPSK	50	0	21.47	21.57	21.53	23.0	0.5
20	PI2 BPSK	50	28	21.94	21.93	21.94	23.5	0.0
20	PI2 BPSK	50	56	21.54	21.56	21.47	23.0	0.5
20	PI2 BPSK	100	0	21.48	21.51	21.51		
20	QPSK	1	1	22.00	22.06	22.01		
20	QPSK	1	53	21.87	22.03	21.88	23.5	0.0
20	QPSK	1	104	21.87	21.94	21.98		
20	QPSK	50	0	21.05	21.11	21.04	22.5	1.0
20	QPSK	50	28	21.95	21.99	21.97	23.5	0.0
20	QPSK	50	56	21.00	21.05	21.04	22.5	1.0
20	QPSK	100	0	21.02	21.05	20.99		
20	16QAM	1	1	20.94	21.09	21.02	22.5	1.0
20	64QAM	1	1	19.56	19.53	19.48	21.0	2.5
20	256QAM	1	1	17.55	17.57	17.47	19.0	4.5
Channel				371500	370000	368500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.95	22.00	21.91	23.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1905	1900	1905		
10	QPSK	1	1	21.96	21.95	21.94	23.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	21.97	21.96	21.98	23.5	0.0

n5 Ant 4 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.42	24.50	24.46		
20	PI2 BPSK	1	53	24.41	24.49	24.38	25.7	0.0
20	PI2 BPSK	1	104	24.43	24.53	24.47		
20	PI2 BPSK	50	0	24.01	24.07	23.95	25.2	0.5
20	PI2 BPSK	50	28	24.47	24.53	24.43	25.7	0.0
20	PI2 BPSK	50	56	24.01	24.09	23.96	25.2	0.5
20	PI2 BPSK	100	0	24.05	24.05	24.06		
20	QPSK	1	1	24.52	24.59	24.50		
20	QPSK	1	53	24.39	24.48	24.39	25.7	0.0
20	QPSK	1	104	24.46	24.46	24.42		
20	QPSK	50	0	23.46	23.62	23.47	24.7	1.0
20	QPSK	50	28	24.39	24.56	24.47	25.7	0.0
20	QPSK	50	56	23.50	23.61	23.47	24.7	1.0
20	QPSK	100	0	23.63	23.57	23.51		
20	16QAM	1	1	23.47	23.60	23.46	24.7	1.0
20	64QAM	1	1	22.08	22.14	21.99	23.2	2.5
20	256QAM	1	1	19.96	20.13	20.02	21.2	4.5
Channel				166300	167200	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.47	24.55	24.48	25.7	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.44	24.48	24.42	25.7	0.0
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.47	24.46	24.45	25.7	0.0

n7 Ant 4 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.35	23.41	23.38		
50	PI2 BPSK	1	135	23.36	23.39	23.33	25.0	0.0
50	PI2 BPSK	1	268	23.36	23.40	23.35		
50	PI2 BPSK	135	0	23.01	23.04	23.00	24.5	0.5
50	PI2 BPSK	135	68	23.38	23.40	23.31	25.0	0.0
50	PI2 BPSK	135	135	23.02	22.99	22.97	24.5	0.5
50	PI2 BPSK	270	0	22.96	22.98	22.97		
50	QPSK	1	1	23.44	23.43	23.42		
50	QPSK	1	135	23.36	23.43	23.37	25.0	0.0
50	QPSK	1	268	23.46	23.52	23.45		
50	QPSK	135	0	22.49	22.53	22.50	24.0	1.0
50	QPSK	135	68	23.39	23.44	23.39	25.0	0.0
50	QPSK	135	135	22.47	22.49	22.43	24.0	1.0
50	QPSK	270	0	22.46	22.48	22.43		
50	16QAM	1	1	22.50	22.57	22.44	24.0	1.0
50	64QAM	1	1	20.99	21.01	20.96	22.5	2.5
50	256QAM	1	1	18.93	19.05	18.90	20.5	4.5
Channel				504500	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.37	23.41	23.34	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2315	2335	2355		
30	QPSK	1	1	23.39	23.45	23.34	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.41	23.45	23.33	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.40	23.45	23.37	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.38	23.41	23.40	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.34	23.47	23.38	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.40	23.39	23.38	25.0	0.0

n38 Ant 1 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	25.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.29	23.35	23.35	25.0	0.0	
40	PI/2 BPSK	1	53	23.31	23.36	23.33			
40	PI/2 BPSK	1	104	23.32	23.40	23.33			
40	PI/2 BPSK	50	0	22.95	22.93	22.89	24.5	0.5	
40	PI/2 BPSK	50	28	23.33	23.37	23.38	25.0	0.0	
40	PI/2 BPSK	50	56	22.87	22.98	22.84	24.5	0.5	
40	PI/2 BPSK	100	0	22.91	22.97	22.95			
40	QPSK	1	1	23.42	23.47	23.40			
40	QPSK	1	53	23.38	23.39	23.31	25.0	0.0	
40	QPSK	1	104	23.33	23.40	23.30			
40	QPSK	50	0	22.43	22.43	22.42			
40	QPSK	50	28	23.38	23.42	23.30	25.0	0.0	
40	QPSK	50	56	22.47	22.50	22.39	24.0	1.0	
40	QPSK	100	0	22.37	22.53	22.43			
40	16QAM	1	1	22.44	22.48	22.35			
40	64QAM	1	1	20.92	20.95	20.86	22.5	2.5	
40	256QAM	1	1	18.88	18.99	18.91	20.5	4.5	
Channel				517002	519000	520998	25.0	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.40	23.43	23.29	25.0	0.0	
Channel				516504	519000	521496	25.0	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	23.32	23.42	23.35	25.0	0.0	
Channel				516000	519000	522000	25.0	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.34	23.37	23.33	25.0	0.0	
Channel				515502	519000	522498	25.0	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.39	23.43	23.33	25.0	0.0	
Channel				515004	519000	522996	25.0	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.32	23.41	23.27	25.0	0.0	

n41 Ant 1 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	25.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.35	23.45	23.41	25.0	0.0	
100	PI/2 BPSK	1	137	23.40	23.35	23.35			
100	PI/2 BPSK	1	271	23.35	23.47	23.35	24.5	0.5	
100	PI/2 BPSK	135	0	23.01	22.95	22.98			
100	PI/2 BPSK	135	69	23.41	23.43	23.45	25.0	0.0	
100	PI/2 BPSK	135	138	22.96	23.08	22.91			
100	PI/2 BPSK	270	0	22.91	23.06	23.00	24.5	0.5	
100	QPSK	1	1	23.51	23.53	23.48			
100	QPSK	1	137	23.44	23.44	23.37	25.0	0.0	
100	QPSK	1	271	23.40	23.46	23.38			
100	QPSK	135	0	22.45	22.53	22.42	24.0	1.0	
100	QPSK	135	69	23.43	23.51	23.31			
100	QPSK	135	138	22.48	22.51	22.43	24.0	1.0	
100	QPSK	270	0	22.45	22.56	22.44			
100	16QAM	1	1	22.47	22.47	22.41	24.0	1.0	
100	64QAM	1	1	20.95	21.05	20.88			
100	256QAM	1	1	18.94	19.06	18.96	20.5	4.5	
Channel				508200	518598	528996	25.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.48	23.47	23.39	25.0	0.0	
Channel				507204	518598	529998	25.0	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.48	23.51	23.34	25.0	0.0	
Channel				505200	518598	531996	25.0	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.45	23.47	23.39	25.0	0.0	
Channel				504204	518598	532998	25.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.42	23.40	23.46	25.0	0.0	
Channel				503202	518598	534000	25.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.40	23.51	23.44	25.0	0.0	
Channel				502200	518598	534996	25.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.48	23.49	23.40	25.0	0.0	
Channel				501204	518598	535998	25.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.44	23.41	23.46	25.0	0.0	
Channel				500700	518598	536496	25.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.38	23.45	23.43	25.0	0.0	
Channel				500202	518598	537000	25.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.48	23.43	23.40	25.0	0.0	

n48 Ant 2 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3520	3624.99	3680			
40	Pi2 BPSK	1	1	18.15	18.16	18.13			
40	Pi2 BPSK	1	53	18.14	18.22	18.13	19.5	0.0	
40	Pi2 BPSK	1	104	18.13	18.21	18.18			
40	Pi2 BPSK	50	0	18.16	18.20	18.17	19.5	0.0	
40	Pi2 BPSK	50	28	18.15	18.18	18.14	19.5	0.0	
40	Pi2 BPSK	50	56	18.12	18.22	18.19	19.5	0.0	
40	Pi2 BPSK	100	0	18.18	18.18	18.15			
40	QPSK	1	1	18.19	18.28	18.22			
40	QPSK	1	53	18.17	18.19	18.11	19.5	0.0	
40	QPSK	1	104	18.19	18.21	18.15			
40	QPSK	50	0	18.22	18.23	18.20	19.5	0.0	
40	QPSK	50	28	18.16	18.24	18.19	19.5	0.0	
40	QPSK	50	56	18.20	18.22	18.20	19.5	0.0	
40	QPSK	100	0	18.20	18.27	18.15			
40	16QAM	1	1	18.22	18.16	18.14	19.5	0.0	
40	64QAM	1	1	16.73	16.73	16.69	18.0	1.5	
40	256QAM	1	1	14.03	14.73	14.68	16.0	3.5	
Channel				637068	641666	646366	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	18.19	18.20	18.13	19.5	0.0	
Channel				637334	641666	646300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3568.03	3624.99	3680.00			
20	QPSK	1	1	18.12	18.17	18.20	19.5	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3652.48			
16	QPSK	1	1	18.15	18.19	18.11	19.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3695			
10	QPSK	1	1	18.17	18.16	18.12	19.5	0.0	

Par270 n77 PC2&3 Ant 2 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	17.44	17.56	17.49			
100	Pi2 BPSK	1	137	17.43	17.49	17.42	19.0	0.0	
100	Pi2 BPSK	1	271	17.46	17.50	17.42			
100	Pi2 BPSK	135	0	17.43	17.53	17.49	19.0	0.0	
100	Pi2 BPSK	135	69	17.48	17.56	17.52	19.0	0.0	
100	Pi2 BPSK	135	138	17.42	17.53	17.43	19.0	0.0	
100	Pi2 BPSK	270	0	17.39	17.52	17.43			
100	QPSK	1	1	17.48	17.56	17.46			
100	QPSK	1	137	17.42	17.52	17.48	19.0	0.0	
100	QPSK	1	271	17.45	17.51	17.45			
100	QPSK	135	0	17.45	17.52	17.44	19.0	0.0	
100	QPSK	135	69	17.46	17.55	17.45	19.0	0.0	
100	QPSK	135	138	17.45	17.53	17.48	19.0	0.0	
100	QPSK	270	0	17.41	17.53	17.44			
100	16QAM	1	1	17.49	17.52	17.47	19.0	0.0	
100	64QAM	1	1	17.44	17.49	17.47	19.0	0.0	
100	256QAM	1	1	16.51	16.48	16.37	18.0	1.0	
Channel				645968	650000	654032	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.42	17.54	17.38	19.0	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3930.01			
80	QPSK	1	109	17.40	17.52	17.37	19.0	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3920.01			
60	QPSK	1	81	17.39	17.50	17.44	19.0	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3925.02			
50	QPSK	1	67	17.37	17.52	17.43	19.0	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.44	17.54	17.35	19.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3910.02			
20	QPSK	1	26	17.43	17.55	17.44	19.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.37	17.54	17.42	19.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3995			
10	QPSK	1	12	17.47	17.53	17.36	19.0	0.0	

Part27Q n77 PC2&3 Ant 2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		17.69				
100	Pi2 BPSK	1	137		17.71		19.0	0.0	
100	Pi2 BPSK	1	271		17.65				
100	Pi2 BPSK	135	0		17.67		19.0	0.0	
100	Pi2 BPSK	135	69		17.67		19.0	0.0	
100	Pi2 BPSK	135	138		17.68		19.0	0.0	
100	Pi2 BPSK	270	0		17.65				
100	QPSK	1	1		17.74				
100	QPSK	1	137		17.71		19.0	0.0	
100	QPSK	1	271		17.63				
100	QPSK	135	0		17.65		19.0	0.0	
100	QPSK	135	69		17.73		19.0	0.0	
100	QPSK	135	138		17.63		19.0	0.0	
100	QPSK	270	0		17.72				
100	16QAM	1	1		17.71		19.0	0.0	
100	64QAM	1	1		17.72		19.0	0.0	
100	256QAM	1	1		16.73		16.0	1.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		17.51	17.54	17.39	19.0	0.0
Channel				633668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		17.56	17.58	17.41	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		17.49	17.53	17.43	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		17.52	17.55	17.42	19.0	0.0
Channel				631334	633334	635332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		17.54	17.54	17.46	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		17.54	17.51	17.44	19.0	0.0
Channel				630000	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		17.53	17.57	17.57	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		17.56	17.52	17.47	19.0	0.0

Part27Q 78 HPUE Ant 2 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	18.82	18.82	18.82	20.0	0.0	
100	PQ2 BPSK	1	137	18.83	18.83	18.83	20.0	0.0	
100	PQ2 BPSK	1	271	18.80	18.80	18.80	20.0	0.0	
100	PQ2 BPSK	135	0	18.82	18.82	18.82	20.0	0.0	
100	PQ2 BPSK	135	69	18.80	18.80	18.80	20.0	0.0	
100	PQ2 BPSK	135	138	18.83	18.83	18.83	20.0	0.0	
100	PQ2 BPSK	270	0	18.77	18.77	18.77	20.0	0.0	
100	QPSK	1	1	18.85	18.85	18.85	20.0	0.0	
100	QPSK	1	137	18.80	18.80	18.80	20.0	0.0	
100	QPSK	1	271	18.82	18.82	18.82	20.0	0.0	
100	QPSK	135	0	18.82	18.82	18.82	20.0	0.0	
100	QPSK	135	69	18.84	18.84	18.84	20.0	0.0	
100	QPSK	135	138	18.83	18.83	18.83	20.0	0.0	
100	QPSK	270	0	18.81	18.81	18.81	20.0	0.0	
100	16QAM	1	1	18.76	18.76	18.76	20.0	0.0	
100	64QAM	1	1	18.74	18.74	18.74	20.0	0.0	
100	256QAM	1	1	18.7	18.7	18.7	20.0	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	18.44	18.61	18.60	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	18.53	18.59	18.60	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	95	18.50	18.64	18.59	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	18.46	18.56	18.53	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	18.49	18.57	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	18.46	18.63	18.62	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	18.43	18.52	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	25	18.46	18.61	18.59	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	18.47	18.60	18.54	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	18.54	18.63	18.57	20.0	0.0	

n38 Ant 3 DS12							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	23.65	23.71	23.71	
40	PI2 BPSK	1	53	23.65	23.75	23.72	24.5
40	PI2 BPSK	1	104	23.64	23.68	23.62	
40	PI2 BPSK	50	0	23.16	23.28	23.28	24.0
40	PI2 BPSK	50	28	23.67	23.72	23.69	24.5
40	PI2 BPSK	50	56	23.20	23.27	23.20	24.0
40	PI2 BPSK	100	0	23.18	23.32	23.31	24.0
40	QPSK	1	1	23.71	23.79	23.76	
40	QPSK	1	53	23.67	23.75	23.73	24.5
40	QPSK	1	104	23.68	23.68	23.68	
40	QPSK	50	0	22.89	22.84	22.71	23.5
40	QPSK	50	28	23.62	23.72	23.69	24.5
40	QPSK	50	56	22.70	22.74	22.80	23.5
40	QPSK	100	0	22.73	22.85	22.75	23.5
40	16QAM	1	1	22.74	22.76	22.76	23.5
40	64QAM	1	1	21.26	21.33	21.20	22.0
40	256QAM	1	1	19.22	19.30	19.27	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.65	23.67	23.65	24.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	23.64	23.67	23.64	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.69	23.67	23.71	24.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.58	23.74	23.73	24.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.65	23.74	23.65	24.5

n41 Ant 3 DS12							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	23.73	23.82	23.79	
100	PI2 BPSK	1	137	23.76	23.80	23.82	24.5
100	PI2 BPSK	1	271	23.75	23.80	23.67	
100	PI2 BPSK	135	0	23.24	23.39	23.31	24.0
100	PI2 BPSK	135	69	23.76	23.82	23.70	24.5
100	PI2 BPSK	135	138	23.23	23.34	23.26	24.0
100	PI2 BPSK	270	0	23.19	23.36	23.42	24.0
100	QPSK	1	1	23.72	23.86	23.79	
100	QPSK	1	107	23.71	23.83	23.80	24.5
100	QPSK	1	271	23.71	23.71	23.70	
100	QPSK	135	0	22.74	22.89	22.71	23.5
100	QPSK	135	69	23.88	23.83	23.76	24.5
100	QPSK	135	138	22.74	22.82	22.87	23.5
100	QPSK	270	0	22.76	22.96	22.82	23.5
100	16QAM	1	1	22.82	22.80	22.87	23.5
100	64QAM	1	1	21.32	21.41	21.21	22.0
100	256QAM	1	1	19.28	19.34	19.31	20.0
Channel							
Frequency (MHz)							
90	QPSK	1	123	23.61	23.79	23.65	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	109	23.59	23.76	23.69	24.5
Channel							
Frequency (MHz)							
60	QPSK	1	81	23.63	23.73	23.71	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	67	23.67	23.80	23.67	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	53	23.58	23.74	23.74	24.5
Channel							
Frequency (MHz)							
30	QPSK	1	39	23.68	23.75	23.73	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	23.67	23.81	23.75	24.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	23.61	23.74	23.73	24.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	23.61	23.73	23.74	24.5

n48 Ant 3 DS12							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.41	20.42	20.43	
40	PI2 BPSK	1	53	20.44	20.47	20.46	22.0
40	PI2 BPSK	1	104	20.35	20.48	20.39	
40	PI2 BPSK	50	0	19.93	20.07	20.00	21.5
40	PI2 BPSK	50	28	20.46	20.44	20.47	22.0
40	PI2 BPSK	50	56	19.97	20.09	20.06	21.5
40	PI2 BPSK	100	0	19.98	20.04	20.07	
40	QPSK	1	1	20.48	20.55	20.52	
40	QPSK	1	53	20.40	20.44	20.48	22.0
40	QPSK	1	104	20.45	20.51	20.47	
40	QPSK	50	0	19.97	20.07	19.97	21.0
40	QPSK	50	28	20.40	20.50	20.46	22.0
40	QPSK	50	56	19.98	20.06	20.05	21.0
40	QPSK	100	0	19.93	20.05	19.96	21.0
40	16QAM	1	1	19.95	20.06	20.02	21.0
40	64QAM	1	1	17.98	18.10	18.05	19.5
40	256QAM	1	1	15.98	16.11	16.00	17.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.36	20.51	20.48	22.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.41	20.48	20.43	22.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.43	20.47	20.41	22.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.41	20.48	20.39	22.0



Par270 n77 Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	18.42	18.47	18.41			
100	P12 BPSK	1	137	18.44	18.53	18.48	20.0	0.0	
100	P12 BPSK	1	271	18.47	18.51	18.44			
100	P12 BPSK	135	0	18.10	18.08	18.00	19.5	0.5	
100	P12 BPSK	135	69	18.47	18.50	18.42	20.0	0.0	
100	P12 BPSK	135	138	18.03	18.13	17.97	19.5	0.5	
100	P12 BPSK	270	0	18.09	18.07	18.06			
100	QPSK	1	1	18.55	18.59	18.52			
100	QPSK	1	137	18.44	18.50	18.47	20.0	0.0	
100	QPSK	1	271	18.42	18.47	18.40			
100	QPSK	135	0	17.54	17.54	17.51	19.0	1.0	
100	QPSK	135	69	18.44	18.57	18.44	20.0	0.0	
100	QPSK	135	138	17.52	17.59	17.54	19.0	1.0	
100	QPSK	270	0	17.57	17.63	17.54			
100	16QAM	1	1	17.57	17.55	17.54	19.0	1.0	
100	64QAM	1	1	16.02	16.10	16.03	17.5	2.5	
100	256QAM	1	1	14.02	14.00	14.00	15.5	4.5	
Channel									
Frequency (MHz)				648668	650000	652334	Tune-up limit (dBm)	MPR	
90	QPSK	1	123	18.45	18.52	18.39	20.0	0.0	
Channel									
Frequency (MHz)				374501	3840	3940	Tune-up limit (dBm)	MPR	
80	QPSK	1	109	18.47	18.53	18.50	20.0	0.0	
Channel									
Frequency (MHz)				648334	650000	653334	Tune-up limit (dBm)	MPR	
60	QPSK	1	81	18.42	18.54	18.48	20.0	0.0	
Channel									
Frequency (MHz)				648334	650000	653688	Tune-up limit (dBm)	MPR	
50	QPSK	1	67	18.48	18.48	18.43	20.0	0.0	
Channel									
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR	
40	QPSK	1	53	18.50	18.51	18.48	20.0	0.0	
Channel									
Frequency (MHz)				647334	650000	654688	Tune-up limit (dBm)	MPR	
20	QPSK	1	26	18.45	18.50	18.48	20.0	0.0	
Channel									
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR	
15	QPSK	1	19	18.46	18.49	18.39	20.0	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR	
10	QPSK	1	12	18.49	18.47	18.48	20.0	0.0	

Par270 n77 HPUE Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	21.43	21.46	21.43			
100	P12 BPSK	1	137	21.40	21.54	21.49	23.0	0.0	
100	P12 BPSK	1	271	21.50	21.54	21.45			
100	P12 BPSK	135	0	21.05	21.10	20.99	22.5	0.5	
100	P12 BPSK	135	69	21.45	21.54	21.41	23.0	0.0	
100	P12 BPSK	135	138	21.06	21.16	20.96	22.5	0.5	
100	P12 BPSK	270	0	21.07	21.07	21.11			
100	QPSK	1	1	21.56	21.62	21.56			
100	QPSK	1	137	21.39	21.48	21.47	23.0	0.0	
100	QPSK	1	271	21.47	21.41	21.45			
100	QPSK	135	0	20.48	20.55	20.46	22.0	1.0	
100	QPSK	135	69	21.38	21.58	21.50	23.0	0.0	
100	QPSK	135	138	20.58	20.59	20.49	22.0	1.0	
100	QPSK	270	0	20.57	20.55	20.52			
100	16QAM	1	1	20.52	20.57	20.49	22.0	1.0	
100	64QAM	1	1	19.06	19.08	19.01	20.5	2.5	
100	256QAM	1	1	17.04	17.00	17.02	18.5	4.5	
Channel									
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dbm)	MPR	(db)
90	QPSK	1	123	21.45	21.52	21.47	23.0	0.0	
Channel									
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dbm)	MPR	(db)
80	QPSK	1	109	21.43	21.56	21.50	23.0	0.0	
Channel									
Frequency (MHz)				649334	650000	653334	Tune-up limit (dbm)	MPR	(db)
80	QPSK	1	81	21.45	21.48	21.44	23.0	0.0	
Channel									
Frequency (MHz)				648334	650000	653668	Tune-up limit (dbm)	MPR	(db)
50	QPSK	1	67	21.45	21.49	21.52	23.0	0.0	
Channel									
Frequency (MHz)				648000	650000	656000	Tune-up limit (dbm)	MPR	(db)
40	QPSK	1	53	21.43	21.59	21.48	23.0	0.0	
Channel									
Frequency (MHz)				647334	650000	654668	Tune-up limit (dbm)	MPR	(db)
20	QPSK	1	26	21.48	21.55	21.47	23.0	0.0	
Channel									
Frequency (MHz)				647168	650000	654834	Tune-up limit (dbm)	MPR	(db)
15	QPSK	1	19	21.52	21.57	21.53	23.0	0.0	
Channel									
Frequency (MHz)				647000	650000	655000	Tune-up limit (dbm)	MPR	(db)
10	QPSK	1	12	21.49	21.50	21.48	23.0	0.0	

Par27Q n77 Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633334	633334				
100	P12 BPSK	1	1	18.82					
100	P12 BPSK	1	137	18.82			20.0	0.0	
100	P12 BPSK	1	271	18.80					
100	P12 BPSK	135	0	18.42			19.5	0.5	
100	P12 BPSK	135	69	18.76			20.0	0.0	
100	P12 BPSK	135	138	18.44			19.5	0.5	
100	P12 BPSK	270	0	18.31					
100	QPSK	1	1	18.89					
100	QPSK	1	137	18.89			20.0	0.0	
100	QPSK	1	271	18.77					
100	QPSK	135	0	17.90			19.0	1.0	
100	QPSK	135	69	18.87			20.0	0.0	
100	QPSK	135	138	17.91			19.0	1.0	
100	QPSK	270	0	17.97					
100	16QAM	1	1	17.90			19.0	1.0	
100	64QAM	1	1	16.42			17.5	2.5	
100	256QAM	1	1	14.40			15.5	4.5	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	3495	3500.01	3505.02	20.0	0.0	
Channel									
Frequency (MHz)				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	3499.02	3500.01	3501.00	20.0	0.0	
Channel									
Frequency (MHz)				633000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	81	18.72	18.70	18.69	20.0	0.0	
Channel									
Frequency (MHz)				633000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	18.72	18.79	18.74	20.0	0.0	
Channel									
Frequency (MHz)				631968	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	18.76	18.81	18.74	20.0	0.0	
Channel									
Frequency (MHz)				637334	637334	637334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	18.77	18.80	18.73	20.0	0.0	
Channel									
Frequency (MHz)				633968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	18.74	18.79	18.69	20.0	0.0	
Channel									
Frequency (MHz)				635000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	18.70	18.82	18.68	20.0	0.0	
Channel									
Frequency (MHz)				633334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	18.70	18.83	18.71	20.0	0.0	

Part27Q n77 HPUE Ant 3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01	3500.01				
100	PI2 BPSK	1	1	21.85					
100	PI2 BPSK	1	137	21.85			23.0	0.0	
100	PI2 BPSK	1	271	21.75					
100	PI2 BPSK	135	0	21.39			22.5	0.5	
100	PI2 BPSK	135	69	21.62			23.0	0.0	
100	PI2 BPSK	135	138	21.47			22.5	0.5	
100	PI2 BPSK	270	0	21.32					
100	QPSK	1	1	21.94					
100	QPSK	1	137	21.85			23.0	0.0	
100	QPSK	1	271	21.77					
100	QPSK	135	0	20.94			22.0	1.0	
100	QPSK	135	69	21.81			23.0	0.0	
100	QPSK	135	138	20.93			22.0	1.0	
100	QPSK	270	0	21.01					
100	16QAM	1	1	20.92			22.0	1.0	
100	64QAM	1	1	19.43			20.5	2.5	
100	256QAM	1	1	17.43			18.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	123	21.75	21.79	21.63	23.0	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510	23.0	0.0	
80	QPSK	1	109	21.78	21.85	21.66	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02	23.0	0.0	
80	QPSK	1	81	21.80	21.73	21.67	23.0	0.0	
Channel				637668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3525	23.0	0.0	
50	QPSK	1	67	21.78	21.86	21.73	23.0	0.0	
Channel				637334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	53	21.75	21.84	21.68	23.0	0.0	
Channel				636668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.02	3500.01	3460	23.0	0.0	
20	QPSK	1	26	21.82	21.80	21.83	23.0	0.0	
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	23.0	0.0	
15	QPSK	1	19	21.72	21.79	21.82	23.0	0.0	
Channel				635334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3500.01	3545.01	23.0	0.0	
10	QPSK	1	12	21.76	21.82	21.68	23.0	0.0	

Part27O n78 Ant 3									
BW [MHz]	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	18.57					
100	PI2 BPSK	1	137	18.55			20.0	0.0	
100	PI2 BPSK	1	271	18.58					
100	PI2 BPSK	135	0	18.09			19.5	0.5	
100	PI2 BPSK	135	69	18.59			20.0	0.0	
100	PI2 BPSK	135	138	18.22			19.5	0.5	
100	PI2 BPSK	270	0	18.17					
100	QPSK	1	1	18.05					
100	QPSK	1	137	18.59			20.0	0.0	
100	QPSK	1	271	18.56					
100	QPSK	135	0	17.57			19.0	1.0	
100	QPSK	135	69	18.60			20.0	0.0	
100	QPSK	135	138	17.60			19.0	1.0	
100	QPSK	270	0	17.66					
100	16QAM	1	1	17.58			19.0	1.0	
100	64QAM	1	1	16.15			17.5	2.5	
100	256QAM	1	1	14.14			15.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	20.0	0.0	
90	QPSK	1	123	18.50	18.59	18.43	20.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.0	0.0	
80	QPSK	1	109	18.47	18.55	18.43	20.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.0	0.0	
70	QPSK	1	95	18.50	18.59	18.43	20.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.0	0.0	
60	QPSK	1	81	18.46	18.52	18.50	20.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0	
50	QPSK	1	67	18.46	18.57	18.39	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	QPSK	1	53	18.48	18.63	18.47	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	20.0	0.0	
30	QPSK	1	39	18.55	18.54	18.42	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.0	0.0	
20	QPSK	1	26	18.48	18.63	18.42	20.0	0.0	
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	20.0	0.0	
15	QPSK	1	19	18.50	18.58	18.49	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.0	0.0	
10	QPSK	1	12	18.50	18.55	18.46	20.0	0.0	

Part27O n78 HPUE Ant 3									
BW [MHz]	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	21.62					
100	Pi2 BPSK	1	137	21.53			23.0	0.0	
100	Pi2 BPSK	1	271	21.62					
100	Pi2 BPSK	135	0	21.06			22.5	0.5	
100	Pi2 BPSK	135	69	21.57			23.0	0.0	
100	Pi2 BPSK	135	138	21.27			22.5	0.5	
100	Pi2 BPSK	270	0	21.20					
100	QPSK	1	1	21.64					
100	QPSK	1	137	21.61			23.0	0.0	
100	QPSK	1	271	21.62					
100	QPSK	135	0	20.66			22.0	1.0	
100	QPSK	135	69	21.61			23.0	0.0	
100	QPSK	135	138	20.59			22.0	1.0	
100	QPSK	270	0	20.70					
100	16QAM	1	1	20.52			22.0	1.0	
100	64QAM	1	1	19.14			20.5	2.5	
100	256QAM	1	1	17.20			18.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	23.0	0.0	
90	QPSK	1	123	21.55	21.55	21.43	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	23.0	0.0	
80	QPSK	1	109	21.55	21.53	21.39	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	23.0	0.0	
70	QPSK	1	95	21.52	21.62	21.44	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.00	3750	3770.01	23.0	0.0	
60	QPSK	1	81	21.56	21.60	21.49	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	23.0	0.0	
50	QPSK	1	67	21.50	21.47	21.39	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	53	21.53	21.57	21.40	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.00	3750	3785.01	23.0	0.0	
30	QPSK	1	39	21.47	21.54	21.42	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	26	21.47	21.59	21.44	23.0	0.0	
Channel				647000	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	19	21.56	21.54	21.45	23.0	0.0	
Channel				646668	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	12	21.47	21.63	21.45	23.0	0.0	

Part27Q 78 Ant 3 DSI2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
				633334	633334		
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	18.90	18.90		
100	P12 BPSK	1	137	18.96	18.96		
100	P12 BPSK	1	271	18.98	18.98		
100	P12 BPSK	135	0	18.60	18.60	19.5	0.5
100	P12 BPSK	135	69	18.69	18.69	20.0	0.0
100	P12 BPSK	135	138	18.55	18.55	19.5	0.5
100	P12 BPSK	270	0	18.37	18.37		
100	QPSK	1	1	19.06	19.06		
100	QPSK	1	137	18.95	18.95	20.0	0.0
100	QPSK	1	271	18.87	18.87		
100	QPSK	135	0	17.88	17.88	19.0	1.0
100	QPSK	135	69	19.04	19.04	20.0	0.0
100	QPSK	135	138	18.54	18.54	19.0	1.0
100	QPSK	270	0	18.10	18.10		
100	16QAM	1	1	18.07	18.07	19.0	1.0
100	64QAM	1	1	18.56	18.56	17.5	2.5
100	256QAM	1	1	14.37	14.37	15.5	4.5
Channel							
Frequency (MHz)				633330	633334	633668	
				3485	3500.01	3505.02	
90	QPSK	1	123	18.88	18.95	18.84	20.0 0.0
Channel							
Frequency (MHz)				632068	633334	634000	
				3480.02	3500.01	3510	
80	QPSK	1	109	18.85	18.93	18.85	20.0 0.0
Channel							
Frequency (MHz)				632334	633334	634334	
				3485.01	3500.01	3515.01	
70	QPSK	1	96	18.86	18.84	18.82	20.0 0.0
Channel							
Frequency (MHz)				632000	633334	634668	
				3480	3500.01	3520.02	
60	QPSK	1	81	18.88	18.85	18.77	20.0 0.0
Channel							
Frequency (MHz)				631668	633334	635000	
				3475.02	3500.01	3525	
50	QPSK	1	67	18.95	18.95	18.85	20.0 0.0
Channel							
Frequency (MHz)				631334	633334	635334	
				3470.01	3500.01	3530.01	
40	QPSK	1	53	18.87	18.94	18.83	20.0 0.0
Channel							
Frequency (MHz)				631000	633334	635668	
				3465	3500.01	3535.02	
30	QPSK	1	39	18.92	18.89	18.82	20.0 0.0
Channel							
Frequency (MHz)				630505	633334	636000	
				3460.02	3500.01	3540	
20	QPSK	1	26	18.94	19.00	18.76	20.0 0.0
Channel							
Frequency (MHz)				630000	633334	636334	
				3457.5	3500.01	3542.52	
15	QPSK	1	19	18.89	18.89	18.79	20.0 0.0
Channel							
Frequency (MHz)				630334	633334	636334	
				3452.01	3500.01	3543.01	
10	QPSK	1	12	18.85	18.95	18.82	20.0 0.0

Part27Q 78 HPUE Ant 3 DSI2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
				633334	633334		
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	21.91	21.91		
100	P12 BPSK	1	137	21.97	21.97		
100	P12 BPSK	1	271	22.04	22.04		
100	P12 BPSK	135	0	21.65	21.65	22.5	0.5
100	P12 BPSK	135	69	21.88	21.88	23.0	0.0
100	P12 BPSK	135	138	21.50	21.50	22.5	0.5
100	P12 BPSK	270	0	21.40	21.40		
100	QPSK	1	1	22.07	22.07		
100	QPSK	1	137	21.99	21.99	23.0	0.0
100	QPSK	1	271	21.85	21.85		
100	QPSK	135	0	20.96	20.96	22.0	1.0
100	QPSK	135	69	22.05	22.05	23.0	0.0
100	QPSK	135	138	20.59	20.59	22.0	1.0
100	QPSK	270	0	21.15	21.15		
100	16QAM	1	1	21.04	21.04	22.0	1.0
100	64QAM	1	1	19.61	19.61	20.5	2.5
100	256QAM	1	1	17.62	17.62	18.5	4.5
Channel							
Frequency (MHz)				633330	633334	633668	
				3485	3500.01	3505.02	
90	QPSK	1	123	21.94	21.99	21.88	23.0 0.0
Channel							
Frequency (MHz)				632068	633334	634000	
				3480.02	3500.01	3510	
80	QPSK	1	109	21.89	21.95	21.90	23.0 0.0
Channel							
Frequency (MHz)				632334	633334	634334	
				3485.01	3500.01	3515.01	
70	QPSK	1	96	21.91	21.93	21.89	23.0 0.0
Channel							
Frequency (MHz)				632000	633334	634668	
				3480	3500.01	3520.02	
60	QPSK	1	81	21.86	21.86	21.82	23.0 0.0
Channel							
Frequency (MHz)				631668	633334	635000	
				3475.02	3500.01	3525	
50	QPSK	1	67	21.88	21.99	21.88	23.0 0.0
Channel							
Frequency (MHz)				631334	633334	635334	
				3470.01	3500.01	3530.01	
40	QPSK	1	53	21.92	21.96	21.87	23.0 0.0
Channel							
Frequency (MHz)				631000	633334	635668	
				3465	3500.01	3535.02	
30	QPSK	1	39	21.89	21.83	21.89	23.0 0.0
Channel							
Frequency (MHz)				630505	633334	636000	
				3460.02	3500.01	3540	
20	QPSK	1	26	21.86	21.95	21.82	23.0 0.0
Channel							
Frequency (MHz)				630000	633334	636334	
				3457.5	3500.01	3542.52	
15	QPSK	1	19	21.86	21.93	21.85	23.0 0.0
Channel							
Frequency (MHz)				630334	633334	636334	
				3452.01	3500.01	3543.01	
10	QPSK	1	12	21.89	21.90	21.89	23.0 0.0

n38 Ant 4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	23.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.51	21.51	21.49	23.0	0.0	
40	PI/2 BPSK	1	53	21.45	21.48	21.42			
40	PI/2 BPSK	1	104	21.43	21.48	21.44	23.0	0.0	
40	PI/2 BPSK	50	0	21.51	21.53	21.50			
40	PI/2 BPSK	50	28	21.48	21.49	21.44	23.0	0.0	
40	PI/2 BPSK	50	56	21.45	21.55	21.54			
40	PI/2 BPSK	100	0	21.45	21.52	21.50	23.0	0.0	
40	QPSK	1	1	21.52	21.56	21.54			
40	QPSK	1	53	21.52	21.53	21.48	23.0	0.0	
40	QPSK	1	104	21.47	21.50	21.49			
40	QPSK	50	0	21.03	21.11	21.05	22.5	0.5	
40	QPSK	50	28	21.45	21.50	21.46			
40	QPSK	50	56	20.98	21.10	21.07	22.5	0.5	
40	QPSK	100	0	20.98	21.09	21.05			
40	16QAM	1	1	21.05	21.06	20.97	21.0	2.0	
40	64QAM	1	1	19.54	19.60	19.46			
40	256QAM	1	1	17.50	17.57	17.54	19.0 4.0		
Channel				517002	519000	520998	23.0	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	21.46	21.55	21.46	23.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48	23.0	MPR (dB)	
25	QPSK	1	1	21.42	21.52	21.42			
Channel				516000	519000	522000	23.0	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.42	21.52	21.43	23.0	0.0	
Channel				515592	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	23.0	MPR (dB)	
15	QPSK	1	1	21.47	21.54	21.41			
Channel				515004	519000	522996	23.0	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.41	21.53	21.48	23.0	0.0	

n41 Ant 4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.08	22.19	22.07	24.0	0.0	
100	PI/2 BPSK	1	137	22.05	22.19	22.12			
100	PI/2 BPSK	1	271	22.07	22.14	22.03	24.0	0.0	
100	PI/2 BPSK	135	0	22.07	22.16	22.05			
100	PI/2 BPSK	135	69	22.02	22.18	22.04	24.0	0.0	
100	PI/2 BPSK	135	138	22.10	22.18	22.07			
100	PI/2 BPSK	270	0	22.06	22.15	22.06	24.0	0.0	
100	QPSK	1	1	22.08	22.21	22.11			
100	QPSK	1	137	22.07	22.20	22.12	24.0	0.0	
100	QPSK	1	271	22.10	22.15	22.07			
100	QPSK	135	0	22.09	22.19	22.15	24.0	0.0	
100	QPSK	135	69	22.08	22.20	22.15			
100	QPSK	135	138	22.06	22.17	22.13	24.0	0.0	
100	QPSK	270	0	22.11	22.18	22.15			
100	16QAM	1	1	22.13	22.17	22.15	24.0	0.5	
100	64QAM	1	1	21.85	21.72	21.59			
100	256QAM	1	1	19.63	19.63	19.58	21.5 2.5		
Channel				508200	518598	528996	24.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.04	22.19	22.05	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	24.0	MPR (dB)	
80	QPSK	1	1	22.07	22.20	22.10		0.0	
Channel				505200	518598	531996	24.0	MPR (dB)	
Frequency (MHz)				2526	2592.99	2639.98			
60	QPSK	1	1	22.05	22.16	22.01	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	MPR (dB)	
50	QPSK	1	1	22.07	22.20	21.99		0.0	
Channel				503202	518598	534000	24.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.06	22.17	22.03	24.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98	24.0	MPR (dB)	
30	QPSK	1	1	22.04	22.17	22.00		0.0	
Channel				501204	518598	535998	24.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	21.98	22.14	22.09	24.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48	24.0	MPR (dB)	
15	QPSK	1	1	21.99	22.19	22.04		0.0	
Channel				500202	518598	537000	24.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.06	22.15	22.07	24.0	0.0	

n48 Ant 5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3520	3624.99	3679.98			
40	PI2 BPSK	1	1	24.45	24.48	24.48			
40	PI2 BPSK	1	53	24.45	24.49	24.44	26.0		
40	PI2 BPSK	1	104	24.37	24.53	24.45			
40	PI2 BPSK	50	0	23.99	24.03	24.01	25.5	0.5	
40	PI2 BPSK	50	28	24.40	24.52	24.46	26.0	0.0	
40	PI2 BPSK	50	56	24.03	24.02	24.05	25.5	0.5	
40	PI2 BPSK	100	0	24.05	24.06	24.02			
40	QPSK	1	1	24.50	24.57	24.52			
40	QPSK	1	53	24.41	24.52	24.46	26.0	0.0	
40	QPSK	1	104	24.45	24.46	24.40			
40	QPSK	50	0	23.49	23.63	23.46	25.0	1.0	
40	QPSK	50	28	24.44	24.51	24.44	26.0	0.0	
40	QPSK	50	56	23.54	23.51	23.47	25.0	1.0	
40	QPSK	100	0	23.51	23.57	23.47			
40	16QAM	1	1	23.55	23.52	23.56	25.0	1.0	
40	64QAM	1	1	22.02	22.10	21.98	23.5	2.5	
40	256QAM	1	1	19.98	20.03	20.08	21.5	4.5	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	24.39	24.54	24.44	26.0	0.0	
Channel				637334	641666	646332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3568.01	3624.99	3680.00			
20	QPSK	1	1	24.43	24.49	24.43	26.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3567.52	3624.99	3662.48			
15	QPSK	1	1	24.43	24.45	24.41	23.0	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3565	3624.99	3695			
10	QPSK	1	1	24.44	24.48	24.46	26.0	0.0	

Par270 n77 Ant 5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.91	23.01	22.96			
100	PI2 BPSK	1	137	23.00	23.02	22.97	24.5	0.0	
100	PI2 BPSK	1	271	22.98	23.01	23.01			
100	PI2 BPSK	135	0	22.59	22.67	22.61	24.0	0.5	
100	PI2 BPSK	135	69	23.01	23.03	22.96	24.5	0.0	
100	PI2 BPSK	135	138	22.50	22.65	22.56	24.0	0.5	
100	PI2 BPSK	270	0	22.58	22.66	22.55			
100	QPSK	1	1	23.05	23.11	23.08			
100	QPSK	1	137	22.95	23.03	23.03	24.5	0.0	
100	QPSK	1	271	22.98	23.08	23.03			
100	QPSK	135	0	22.09	22.11	22.08	23.5	1.0	
100	QPSK	135	69	22.96	23.05	22.98	24.5	0.0	
100	QPSK	135	138	22.09	22.08	22.06	23.5	1.0	
100	QPSK	270	0	22.03	22.06	22.06			
100	16QAM	1	1	22.08	22.07	22.08	23.5	1.0	
100	64QAM	1	1	20.52	20.67	20.60	22.0	2.5	
100	256QAM	1	1	18.54	18.59	18.53	20.0	4.5	
Channel				646968	652000	657032	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.00	23.05	23.04	24.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3940.00			
80	QPSK	1	109	22.98	22.98	22.95	24.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	22.95	22.98	22.91	24.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.02	23.09	23.00	24.5	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.01	23.04	22.94	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3718.01	3840	3970.00			
20	QPSK	1	26	22.95	23.03	23.00	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	22.96	22.99	22.96	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	22.98	23.09	22.96	24.5	0.0	

Par270 n77 HPUE Ant 5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	24.45	24.55	24.46			
100	PI2 BPSK	1	137	24.48	24.48	24.51	26.0	0.0	0.0
100	PI2 BPSK	1	271	24.48	24.56	24.47			
100	PI2 BPSK	135	0	24.46	24.49	24.58	26.0	0.0	0.0
100	PI2 BPSK	135	69	24.52	24.51	24.43	26.0	0.0	0.0
100	PI2 BPSK	135	138	24.42	24.56	24.42	26.0	0.0	0.0
100	PI2 BPSK	270	0	24.53	24.52	24.42			
100	QPSK	1	1	24.60	24.67	24.62			
100	QPSK	1	137	24.53	24.56	24.55	26.0	0.0	0.0
100	QPSK	1	271	24.45	24.55	24.42			
100	QPSK	135	0	24.47	24.60	24.41	26.0	0.0	0.0
100	QPSK	135	69	24.52	24.65	24.53	26.0	0.0	0.0
100	QPSK	135	138	24.52	24.50	24.47	26.0	0.0	0.0
100	QPSK	270	0	24.47	24.61	24.53			
100	16QAM	1	1	24.55	24.52	24.47	26.0	0.0	0.0
100	64QAM	1	1	23.60	23.65	23.51	25.0	1.0	1.0
100	256QAM	1	1	21.58	21.68	21.50	23.0	3.0	3.0
Channel				650968	656000	662032	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	24.50	24.60	24.50	26.0	0.0	0.0
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.00			
80	QPSK	1	109	24.44	24.59	24.53	26.0	0.0	0.0
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	24.49	24.57	24.51	26.0	0.0	0.0
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	24.48	24.62	24.47	26.0	0.0	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	24.48	24.57	24.50	26.0	0.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.00			
20	QPSK	1	26	24.46	24.57	24.48	26.0	0.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	24.45	24.58	24.50	26.0	0.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3700	3840	3980			
10	QPSK	1	12	24.48	24.57	24.46	26.0	0.0	0.0

Part27Q n77 Ant 5 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PI2 BPSK	1	1	22.99	3500.01		24.5	0.0			
100	PI2 BPSK	1	137	22.95							
100	PI2 BPSK	1	271	23.01							
100	PI2 BPSK	135	0	22.66			24.0	0.5			
100	PI2 BPSK	135	69	23.03							
100	PI2 BPSK	135	138	22.60							
100	PI2 BPSK	270	0	22.66			24.0	0.5			
100	QPSK	1	1	23.07							
100	QPSK	1	137	23.06							
100	QPSK	1	271	23.03			24.5	0.0			
100	QPSK	135	0	22.03							
100	QPSK	135	69	23.05							
100	QPSK	135	138	22.02			23.5	1.0			
100	QPSK	270	0	22.05							
100	16QAM	1	1	21.99							
100	64QAM	1	1	20.70			22.0	2.5			
100	256QAM	1	1	18.61							
Channel				633000	633334	633668	Tune-up limit (dBm)				
Channel				3485	3500.01	3505.02	MPR (dB)				
90	QPSK	1	123	22.91	23.06	22.97	24.5	0.0			
Channel				630668	633334	634000	Tune-up limit (dBm)				
Channel				3480.02	3500.01	3510	MPR (dB)				
80	QPSK	1	109	22.99	23.02	23.02	24.5	0.0			
Channel				630000	633334	634668	Tune-up limit (dBm)				
Channel				3470	3500.01	3520.02	MPR (dB)				
60	QPSK	1	81	22.97	23.03	23.02	24.5	0.0			
Channel				631668	633334	635000	Tune-up limit (dBm)				
Channel				3475.02	3500.01	3525	MPR (dB)				
50	QPSK	1	67	22.93	23.00	23.03	24.5	0.0			
Channel				631334	633334	635334	Tune-up limit (dBm)				
Channel				3470.01	3500.01	3530.01	MPR (dB)				
40	QPSK	1	53	22.92	22.99	23.01	24.5	0.0			
Channel				630668	633334	636000	Tune-up limit (dBm)				
Channel				3465.02	3500.01	3540	MPR (dB)				
20	QPSK	1	26	22.95	23.04	23.00	24.5	0.0			
Channel				630000	633334	636334	Tune-up limit (dBm)				
Channel				3457.5	3500.01	3542.52	MPR (dB)				
15	QPSK	1	19	23.03	23.03	23.00	24.5	0.0			
Channel				630334	633334	636334	Tune-up limit (dBm)				
Channel				3455.01	3500.01	3545.01	MPR (dB)				
10	QPSK	1	12	22.96	23.00	23.03	24.5	0.0			

Part27Q n77 HPUE Ant 5 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (db)			
Channel											
Frequency (MHz)											
100	PI2 BPSK	1	1	24.42	3500.01		26.0	0.0			
100	PI2 BPSK	1	137	24.44							
100	PI2 BPSK	1	271	24.42							
100	PI2 BPSK	135	0	24.48			26.0	0.0			
100	PI2 BPSK	135	69	24.38							
100	PI2 BPSK	135	138	24.41							
100	PI2 BPSK	270	0	24.52			26.0	0.0			
100	QPSK	1	1	24.63							
100	QPSK	1	137	24.54							
100	QPSK	1	271	24.50			26.0	0.0			
100	QPSK	135	0	24.41							
100	QPSK	135	69	24.48							
100	QPSK	135	138	24.46			26.0	0.0			
100	QPSK	270	0	24.47							
100	16QAM	1	1	24.44							
100	64QAM	1	1	23.50			25.0	1.0			
100	256QAM	1	1	21.69							
Channel				633000	633334	633668	Tune-up limit (dbm)				
Frequency (MHz)				3485	3500.01	3505.02	MPR (db)				
90	QPSK	1	123	24.39	24.55	24.52	26.0	0.0			
Channel				630668	633334	634000	Tune-up limit (dbm)				
Frequency (MHz)				3480.02	3500.01	3510	MPR (db)				
80	QPSK	1	109	24.33	24.51	24.47	26.0	0.0			
Channel				630000	633334	634668	Tune-up limit (dbm)				
Frequency (MHz)				3470	3500.01	3520.02	MPR (db)				
60	QPSK	1	81	24.33	24.53	24.47	26.0	0.0			
Channel				631668	633334	635000	Tune-up limit (dbm)				
Frequency (MHz)				3475.02	3500.01	3525	MPR (db)				
50	QPSK	1	67	24.32	24.47	24.47	26.0	0.0			
Channel				631334	633334	635334	Tune-up limit (dbm)				
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (db)				
40	QPSK	1	53	24.30	24.50	24.52	26.0	0.0			
Channel				630668	633334	636000	Tune-up limit (dbm)				
Frequency (MHz)				3465.02	3500.01	3540	MPR (db)				
20	QPSK	1	26	24.35	24.47	24.53	26.0	0.0			
Channel				630000	633334	636168	Tune-up limit (dbm)				
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (db)				
15	QPSK	1	19	24.40	24.52	24.52	26.0	0.0			
Channel				630334	633334	636334	Tune-up limit (dbm)				
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (db)				
10	QPSK	1	12	24.37	24.53	24.54	26.0	0.0			

Part27Q n78 Ant 5 DSI2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PI2 BPSK	1	1	22.90	3750	3750	24.5	0.0			
100	PI2 BPSK	1	137	22.91							
100	PI2 BPSK	1	271	22.89							
100	PI2 BPSK	135	0	22.59			24.0	0.5			
100	PI2 BPSK	135	69	22.89							
100	PI2 BPSK	135	138	22.50							
100	PI2 BPSK	270	0	22.63			24.0	0.5			
100	QPSK	1	1	23.00							
100	QPSK	1	137	22.98							
100	QPSK	1	271	22.98			24.5	0.0			
100	QPSK	135	0	21.95							
100	QPSK	135	69	22.93							
100	QPSK	135	138	21.89			23.5	1.0			
100	QPSK	270	0	22.02							
100	16QAM	1	1	21.90							
100	64QAM	1	1	20.61			22.0	2.5			
100	256QAM	1	1	18.51							
Channel				649668	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)				
90	QPSK	1	123	22.81	22.96	22.83	24.5	0.0			
Channel				649334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)				
80	QPSK	1	109	22.88	22.96	22.91	24.5	0.0			
Channel				649000	650000	651000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3750	3765	MPR (dB)				
70	QPSK	1	95	22.83	22.93	22.84	24.5	0.0			
Channel				648668	650000	651334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)				
60	QPSK	1	81	22.77	22.96	22.85	24.5	0.0			
Channel				648334	650000	651668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)				
50	QPSK	1	67	22.79	22.98	22.91	24.5	0.0			
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	53	22.82	22.96	22.92	24.5	0.0			
Channel				647668	650000	652334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)				
30	QPSK	1	39	22.84	22.96	22.83	24.5	0.0			
Channel				647334	650000	652668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)				
20	QPSK	1	26	22.86	22.96	22.80	24.5	0.0			
Channel				647000	650000	652934	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)				
15	QPSK	1	19	22.78	22.98	22.88	24.5	0.0			
Channel				646700	650000	653300	Tune-up limit (dBm)				
Frequency (MHz)				3705	3750	3795	MPR (dB)				
10	QPSK	1	12	22.78	22.94	22.83	24.5	0.0			

Part270 n78 HPUE Ant 5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	3750	3750	3750			
100	Pi2 BPSK	1	1		24.31				
100	Pi2 BPSK	1	137		24.48		26.0	0.0	
100	Pi2 BPSK	1	271		24.44				
100	Pi2 BPSK	135	0		24.33		26.0	0.0	
100	Pi2 BPSK	135	69		24.39		26.0	0.0	
100	Pi2 BPSK	135	138		24.32		26.0	0.0	
100	Pi2 BPSK	270	0		24.49				
100	QPSK	1	1		24.60				
100	QPSK	1	137		24.45		26.0	0.0	
100	QPSK	1	271		24.49				
100	QPSK	135	0		23.49		26.0	0.0	
100	QPSK	135	69		24.56		26.0	0.0	
100	QPSK	135	138		24.50		26.0	0.0	
100	QPSK	270	0		24.51				
100	16QAM	1	1		24.35		26.0	0.0	
100	64QAM	1	1		23.61		25.0	1.0	
100	256QAM	1	1		21.67		23.0	3.0	
Channel									
				649600	650000	650334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
90	QPSK	1	123	3745.02	3750	3755.01			
				24.47	24.43	24.37	26.0	0.0	
Channel									
				646334	650000	650668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
80	QPSK	1	109	3740.31	3750	3760.02			
				24.43	24.48	24.46	26.0	0.0	
Channel									
				646000	650000	651000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
70	QPSK	1	96	3735	3750	3765			
				24.47	24.47	24.39	26.0	0.0	
Channel									
				646668	650000	651334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
60	QPSK	1	81	3730.02	3750	3770.01			
				24.38	24.49	24.46	26.0	0.0	
Channel									
				643334	650000	651000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
50	QPSK	1	67	3725.01	3750	3775.02			
				24.44	24.43	24.41	26.0	0.0	
Channel									
				646000	650000	652000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
40	QPSK	1	53	3720.01	3750	3790.02			
				24.45	24.41	24.41	26.0	0.0	
Channel									
				647668	650000	652334	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
30	QPSK	1	39	3715.02	3750	3795.01			
				24.40	24.52	24.45	26.0	0.0	
Channel									
				647334	650000	652668	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
20	QPSK	1	26	3710.01	3750	3790.02			
				24.37	24.44	24.48	26.0	0.0	
Channel									
				647168	650000	653000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
15	QPSK	1	19	3707.52	3750	3792.51			
				24.48	24.51	24.44	26.0	0.0	
Channel									
				647000	650000	653000	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)									
10	QPSK	1	12	3705	3750	3796			
				24.45	24.44	24.47	26.0	0.0	

Part27Q 78 Ant 5 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				35000.01					
100	Pi2 BPSK	1	1		22.89				
100	Pi2 BPSK	1	137		22.91		24.5	0.0	
100	Pi2 BPSK	1	271		22.85				
100	Pi2 BPSK	135	0		22.82		24.0	0.5	
100	Pi2 BPSK	135	69		22.91		24.5	0.0	
100	Pi2 BPSK	135	138		22.90		24.0	0.5	
100	Pi2 BPSK	270	0		22.60				
100	QPSK	1	1		23.02				
100	QPSK	1	137		22.97		24.5	0.0	
100	QPSK	1	271		22.93				
100	QPSK	135	0		21.92		23.5	1.0	
100	QPSK	135	69		22.96		24.5	0.0	
100	QPSK	135	138		21.87		23.5	1.0	
100	QPSK	270	0		21.99				
100	16QAM	1	1		21.87		23.5	1.0	
100	64QAM	1	1		20.60		22.0	2.5	
100	256QAM	1	1		18.46		20.0	4.5	
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	3495	3500.01	3505.02			
				22.75	23.01	22.78	24.5	0.0	
Channel									
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	3490.02	3500.01	3510.01			
				22.78	22.95	22.83	24.5	0.0	
Channel									
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	96	3485.01	3500.01	3515.01			
				22.79	23.01	22.81	24.5	0.0	
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	3480	3500.01	3520.02			
				22.75	22.96	22.82	24.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	3475.02	3500.01	3525.01			
				22.80	22.96	22.76	24.5	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	3470.01	3500.01	3530.01			
				22.77	22.93	22.77	24.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	3465.01	3500.01	3535.02			
				22.76	22.94	22.79	24.5	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	3460.02	3500.01	3540.01			
				22.80	22.95	22.80	24.5	0.0	
Channel									
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	3455.01	3500.01	3542.92			
				22.81	23.01	22.75	24.5	0.0	
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	3450.01	3500.01	3545.01			
				22.78	22.93	22.85	24.5	0.0	

Part27Q 78 HPUE Ant 5 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1		24.38		26.0	0.0	
100	Pi2 BPSK	1	137		24.32				
100	Pi2 BPSK	1	271		24.49				
100	Pi2 BPSK	135	0		24.38		26.0	0.0	
100	Pi2 BPSK	135	69		24.29		26.0	0.0	
100	Pi2 BPSK	135	0		24.32		26.0	0.0	
100	Pi2 BPSK	270	0		24.38		26.0	0.0	
100	QPSK	1	1		24.51				
100	QPSK	1	1		24.50		26.0	0.0	
100	QPSK	1	271		24.47		26.0	0.0	
100	QPSK	135	0		24.52		26.0	0.0	
100	QPSK	135	69		24.38		26.0	0.0	
100	QPSK	135	138		24.28		26.0	0.0	
100	QPSK	270	0		24.54		26.0	0.0	
100	16QAM	1	1		24.28		26.0	0.0	
100	16QAM	1	1		24.35		26.0	0.0	
100	256QAM	1	1		21.64		23.0	3.0	
Channel									
Frequency (MHz)									
100	QPSK	1	123	63500	63534	63566	Tune-up limit (dBm)	MPR (dB)	
				3456	3000.01	3508.02			
70	QPSK	1	1	63506	63534	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	109	24.32	24.46	24.51	26.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	95	24.40	24.39	24.37	26.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	95	24.40	24.39	24.37	26.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	81	24.41	24.44	24.38	26.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	67	24.36	24.46	24.42	26.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	53	24.40	24.41	24.43	26.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	24.31	24.49	24.43	26.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	26	24.43	24.43	24.38	26.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.35	24.40	24.32	26.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	24.32	24.38	24.41	26.0	0.0	

n38 Ant 7 DS12							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	15.32	15.38	15.31	
40	PI2 BPSK	1	53	15.27	15.36	15.27	17.0
40	PI2 BPSK	1	104	15.30	15.33	15.33	
40	PI2 BPSK	50	0	15.33	15.36	15.34	17.0
40	PI2 BPSK	50	28	15.30	15.33	15.27	17.0
40	PI2 BPSK	50	56	15.27	15.34	15.37	17.0
40	PI2 BPSK	100	0	15.27	15.32	15.33	
40	QPSK	1	1	15.35	15.40	15.38	
40	QPSK	1	53	15.35	15.37	15.28	
40	QPSK	1	104	15.29	15.36	15.32	17.0
40	QPSK	50	0	15.32	15.35	15.31	17.0
40	QPSK	50	28	15.33	15.39	15.34	17.0
40	QPSK	50	56	15.33	15.36	15.26	17.0
40	QPSK	100	0	15.32	15.38	15.33	17.0
40	16QAM	1	1	15.35	15.37	15.29	17.0
40	64QAM	1	1	15.34	15.37	15.35	17.0
40	256QAM	1	1	15.36	15.38	15.32	15.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.28	15.35	15.28	17.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	15.30	15.36	15.29	17.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.34	15.38	15.27	17.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	15.23	15.38	15.36	17.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.24	15.35	15.35	17.0

n41 Ant 7 DS12							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	15.40	15.51	15.31	
100	PI2 BPSK	1	137	15.43	15.47	15.36	17.0
100	PI2 BPSK	1	271	15.41	15.50	15.36	
100	PI2 BPSK	135	0	15.45	15.43	15.29	17.0
100	PI2 BPSK	135	69	15.41	15.45	15.37	17.0
100	PI2 BPSK	135	138	15.46	15.42	15.30	17.0
100	PI2 BPSK	270	0	15.46	15.51	15.30	
100	QPSK	1	1	15.48	15.53	15.39	
100	QPSK	1	137	15.45	15.50	15.38	17.0
100	QPSK	1	271	15.48	15.51	15.35	
100	QPSK	135	0	15.46	15.46	15.37	17.0
100	QPSK	135	69	15.48	15.51	15.38	17.0
100	QPSK	135	138	15.44	15.46	15.37	17.0
100	QPSK	270	0	15.47	15.50	15.35	17.0
100	16QAM	1	1	15.40	15.48	15.35	17.0
100	64QAM	1	1	15.48	15.51	15.38	17.0
100	256QAM	1	1	15.51	15.52	15.32	15.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	15.43	15.52	15.39	17.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	15.43	15.50	15.37	17.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	15.42	15.51	15.37	17.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	15.45	15.52	15.32	17.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	15.40	15.51	15.27	17.0
Channel							
Frequency (MHz)							
30	QPSK	1	39	15.38	15.47	15.31	17.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	15.43	15.48	15.35	17.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	15.43	15.50	15.32	17.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	15.38	15.51	15.32	17.0

n48 Ant 7 DS12							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.86	20.93	20.87	
40	PI2 BPSK	1	53	20.88	20.94	20.91	22.5
40	PI2 BPSK	1	104	20.82	20.88	20.90	
40	PI2 BPSK	50	0	20.80	20.91	20.89	22.5
40	PI2 BPSK	50	28	20.85	20.89	20.89	22.5
40	PI2 BPSK	50	56	20.82	20.94	20.85	22.5
40	PI2 BPSK	100	0	20.91	20.93	20.91	
40	QPSK	1	1	20.92	20.95	20.88	
40	QPSK	1	53	20.86	20.92	20.88	22.5
40	QPSK	1	104	20.92	20.93	20.91	
40	QPSK	50	0	20.87	20.93	20.88	22.5
40	QPSK	50	28	20.91	20.94	20.90	22.5
40	QPSK	50	56	20.91	20.88	20.85	22.5
40	QPSK	100	0	20.94	20.93	20.88	22.5
40	16QAM	1	1	20.80	20.92	20.89	22.5
40	64QAM	1	1	20.33	20.41	20.44	22.0
40	256QAM	1	1	18.41	18.46	18.44	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.82	20.91	20.78	22.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.83	20.93	20.79	22.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.90	20.99	20.85	22.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.80	20.92	20.78	22.5

Par270 n77 PC2&3 Ant 7 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	17.06	17.10	17.02			
100	PQ2 BPSK	1	137	17.00	17.13	17.09	18.5	0.0	
100	PQ2 BPSK	1	271	17.05	17.16	17.05			
100	PQ2 BPSK	135	0	17.01	17.16	17.05	18.5	0.0	
100	PQ2 BPSK	135	69	16.99	17.13	17.03	18.5	0.0	
100	PQ2 BPSK	135	138	17.08	17.14	17.02	18.5	0.0	
100	PQ2 BPSK	270	0	17.00	17.07	17.10			
100	QPSK	1	1	17.08	17.18	17.10			
100	QPSK	1	137	16.98	17.14	17.05	18.5	0.0	
100	QPSK	1	271	16.99	17.07	17.11			
100	QPSK	135	0	17.06	17.10	17.01	18.5	0.0	
100	QPSK	135	69	17.08	17.12	17.06	18.5	0.0	
100	QPSK	135	138	17.06	17.09	17.04	18.5	0.0	
100	QPSK	270	0	17.05	17.15	17.07			
100	16QAM	1	1	16.99	17.08	17.07	18.5	0.0	
100	64QAM	1	1	17.03	17.07	17.02	18.5	0.0	
100	256QAM	1	1	17.02	17.16	17.09	18.5	0.0	
Channel									
				64985	65000	650234	Tune-up limit (dBm)	MPR (dB)	
				3745.02	3840	3935.01			
90	QPSK	1	123	17.01	17.11	17.01	18.5	0.0	
Channel									
				646334	65000	650334	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3840	3940.02			
80	QPSK	1	109	17.06	17.18	17.00	18.5	0.0	
Channel									
				64348	65000	650334	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3840	3940.01			
60	QPSK	1	81	17.02	17.13	17.10	18.5	0.0	
Channel									
				646334	65000	650388	Tune-up limit (dBm)	MPR (dB)	
				3730.02	3840	3945.05			
50	QPSK	1	67	17.06	17.10	17.06	18.5	0.0	
Channel									
				648000	65000	650400	Tune-up limit (dBm)	MPR (dB)	
				3720	3840	3960			
40	QPSK	1	53	17.05	17.16	17.03	18.5	0.0	
Channel									
				647334	65000	650668	Tune-up limit (dBm)	MPR (dB)	
				3710.01	3840	3970.02			
20	QPSK	1	26	16.99	17.14	17.09	18.5	0.0	
Channel									
				647424	65000	650514	Tune-up limit (dBm)	MPR (dB)	
				3707.52	3840	3972.51			
15	QPSK	1	19	17.02	17.09	17.04	18.5	0.0	
Channel									
				647000	65000	650500	Tune-up limit (dBm)	MPR (dB)	
				3692	3840	3972			
10	QPSK	1	12	16.97	17.17	17.09	18.5	0.0	

Part27Q n77 PC2&3 Ant 7 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01 3500.01					
100	PQ2 BPSK	1	1	17.32					
100	PQ2 BPSK	1	137	17.31			18.5	0.0	
100	PQ2 BPSK	1	271	17.33					
100	PQ2 BPSK	135	0	17.29			18.5	0.0	
100	PQ2 BPSK	135	69	17.30			18.5	0.0	
100	PQ2 BPSK	135	138	17.32			18.5	0.0	
100	PQ2 BPSK	270	0	17.34					
100	QPSK	1	1	17.36					
100	QPSK	1	137	17.35			18.5	0.0	
100	QPSK	1	271	17.35					
100	QPSK	135	0	17.26			17.5	1.0	
100	QPSK	135	69	17.30			18.5	0.0	
100	QPSK	135	138	17.32			17.5	1.0	
100	QPSK	270	0	17.32					
100	16QAM	1	1	17.34			18.5	0.0	
100	64QAM	1	1	17.35			18.5	0.0	
100	256QAM	1	1	17.32			18.5	0.0	
Channel									
Frequency (MHz)				633000 633000 633086	Tune-up limit (dBm) MPR (dB)				
				3495 3500.01 3500.02					
90	QPSK	1	123	17.08	17.26	16.97	18.5	0.0	
Channel									
Frequency (MHz)				632500 633000 633000	Tune-up limit (dBm) MPR (dB)				
				3490.02 3500.01 3510					
80	QPSK	1	109	17.02	17.28	16.95	18.5	0.0	
Channel									
Frequency (MHz)				632000 633000 633000	Tune-up limit (dBm) MPR (dB)				
				3485 3500.01 3520.02					
60	QPSK	1	81	17.05	17.22	16.98	18.5	0.0	
Channel									
Frequency (MHz)				631868 633334 635000	Tune-up limit (dBm) MPR (dB)				
				3478.68 3500.01 3505					
50	QPSK	1	67	17.06	17.24	17.00	18.5	0.0	
Channel									
Frequency (MHz)				631334 633334 635034	Tune-up limit (dBm) MPR (dB)				
				3473.01 3500.01 3530.01					
40	QPSK	1	53	17.08	17.23	17.00	18.5	0.0	
Channel									
Frequency (MHz)				630968 633334 635000	Tune-up limit (dBm) MPR (dB)				
				3460.02 3500.01 3540					
20	QPSK	1	26	17.09	17.23	17.03	18.5	0.0	
Channel									
Frequency (MHz)				630500 633334 635034	Tune-up limit (dBm) MPR (dB)				
				3457.5 3500.01 3542.82					
15	QPSK	1	19	17.07	17.23	16.98	18.5	0.0	
Channel									
Frequency (MHz)				630334 633334 635000	Tune-up limit (dBm) MPR (dB)				
				3455.01 3500.01 3545.01					
10	QPSK	1	12	17.10	17.25	16.98	18.5	0.0	

Part270 n78 PC2&3 Ant 7 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3750	3750			
100	PQ2 BPSK	1	1	18.01			19.5	0.0	
100	PQ2 BPSK	1	137	18.00			19.5	0.0	
100	PQ2 BPSK	1	271	18.02			19.5	0.0	
100	PQ2 BPSK	135	0	17.91			19.5	0.0	
100	PQ2 BPSK	135	69	17.97			19.5	0.0	
100	PQ2 BPSK	135	138	18.01			19.5	0.0	
100	PQ2 BPSK	270	0	17.91			19.5	0.0	
100	QPSK	1	1	18.03			19.5	0.0	
100	QPSK	1	137	17.93			19.5	0.0	
100	QPSK	1	271	17.93			19.5	0.0	
100	QPSK	135	0	17.92			19.5	0.0	
100	QPSK	135	69	17.98			19.5	0.0	
100	QPSK	135	138	17.97			19.5	0.0	
100	QPSK	270	0	18.00			19.5	0.0	
100	16QAM	1	1	17.99			19.5	0.0	
100	64QAM	1	1	17.92			19.5	0.0	
100	256QAM	1	1	17.97			19.5	0.0	
Channel									
				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3763.02	3750	3765.01			
90	QPSK	1	123	17.88	17.89	17.83	19.5	0.0	
Channel									
				651334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3760.01	3750	3760.02			
80	QPSK	1	109	17.79	17.85	17.75	19.5	0.0	
Channel									
				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3750			
70	QPSK	1	95	17.80	17.88	17.79	19.5	0.0	
Channel									
				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750.02	3750	3760.01			
60	QPSK	1	81	17.75	17.83	17.84	19.5	0.0	
Channel									
				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	17.77	17.84	17.78	19.5	0.0	
Channel									
				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	17.82	17.84	17.80	19.5	0.0	
Channel									
				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	39	17.81	17.87	17.81	19.5	0.0	
Channel									
				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	17.82	17.91	17.75	19.5	0.0	
Channel									
				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.01			
15	QPSK	1	19	17.83	17.89	17.79	19.5	0.0	
Channel									
				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	17.83	17.92	17.83	19.5	0.0	

Part27Q 78 PC2&3 Ant 7 DSI2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3000.01			
100	PQ2 BPSK	1	1	18.38				
100	PQ2 BPSK	1	137	18.39			19.5	0.0
100	PQ2 BPSK	1	271	18.41				
100	PQ2 BPSK	135	0	18.40			19.5	0.0
100	PQ2 BPSK	135	69	18.38			19.5	0.0
100	PQ2 BPSK	135	138	18.35			19.5	0.0
100	PQ2 BPSK	270	0	18.34				
100	QPSK	1	1	18.42				
100	QPSK	1	137	18.41			19.5	0.0
100	QPSK	1	271	18.37				
100	QPSK	135	0	18.34			19.5	0.0
100	QPSK	135	69	18.40			19.5	0.0
100	QPSK	135	138	18.37			19.5	0.0
100	QPSK	270	0	18.35				
100	16QAM	1	1	18.38			19.5	0.0
100	64QAM	1	1	18.38			19.5	0.0
100	256QAM	1	1	18.37			19.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3000.01	3005.02	(dBm)	(dB)
90	QPSK	1	123	18.06	18.18	17.96	19.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3000.01	3010	(dBm)	(dB)
80	QPSK	1	109	18.04	18.17	18.01	19.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3000.01	3015.01	(dBm)	(dB)
70	QPSK	1	95	18.14	18.10	18.07	19.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3000.01	3020.02	(dBm)	(dB)
60	QPSK	1	81	18.11	18.21	18.01	19.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3000.01	3025	(dBm)	(dB)
50	QPSK	1	67	18.13	18.20	18.04	19.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3000.01	3030.01	(dBm)	(dB)
40	QPSK	1	53	18.07	18.13	18.02	19.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3035.02	(dBm)	(dB)
30	QPSK	1	39	18.11	18.17	17.98	19.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3040	(dBm)	(dB)
20	QPSK	1	25	18.13	18.10	17.96	19.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3000.01	3045.01	(dBm)	(dB)
15	QPSK	1	19	18.07	18.17	17.95	19.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3000.01	3045.01	(dBm)	(dB)
10	QPSK	1	12	18.15	18.15	17.95	19.5	0.0

n2 Ant 1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	20.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.89	19.05	18.97		
20	PI2 BPSK	1	53	18.96	19.05	18.98	20.5	0.0
20	PI2 BPSK	1	104	18.96	19.01	18.97		
20	PI2 BPSK	50	0	18.94	19.07	19.01		
20	PI2 BPSK	50	28	18.92	19.01	18.94	20.5	0.0
20	PI2 BPSK	50	56	18.97	19.06	18.93		
20	PI2 BPSK	100	0	18.98	19.02	18.91		
20	QPSK	1	1	18.98	19.06	18.99	20.5	0.0
20	QPSK	1	53	18.87	19.06	18.94		
20	QPSK	1	104	18.88	19.02	18.97		
20	QPSK	50	0	18.91	19.06	18.97	20.5	0.0
20	QPSK	50	28	18.90	19.06	18.95		
20	QPSK	50	56	18.97	19.04	18.95		
20	QPSK	100	0	18.94	19.01	18.90	20.5	0.0
20	16QAM	1	1	18.93	19.07	18.90		
20	64QAM	1	1	18.97	19.02	19.01		
20	256QAM	1	1	18.90	19.03	18.97	20.0	0.5
Channel				371500	376500	380500		
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	18.91	19.07	18.86	20.5	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1900		
10	QPSK	1	1	18.86	19.01	18.94	20.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	18.91	18.97	18.92	20.5	0.0

Reduced Power Mode for Main PA DSI3

n5 Ant 1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167200	167600	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.19	23.27	23.16		
20	PI2 BPSK	1	53	23.34	23.50	23.36	24.7	0.0
20	PI2 BPSK	1	104	23.34	23.44	23.28		
20	PI2 BPSK	50	0	23.48	23.55	23.48		
20	PI2 BPSK	50	28	23.36	23.42	23.29	24.7	0.0
20	PI2 BPSK	50	56	23.50	23.53	23.46		
20	PI2 BPSK	100	0	23.53	23.56	23.48		
20	QPSK	1	1	23.52	23.59	23.50	24.7	0.0
20	QPSK	1	53	23.38	23.38	23.35		
20	QPSK	1	104	23.36	23.33	23.33		
20	QPSK	50	0	23.48	23.55	23.54	24.7	0.0
20	QPSK	50	28	23.44	23.52	23.54		
20	QPSK	50	56	23.06	23.11	23.09		
20	QPSK	100	0	23.55	23.58	23.52	24.7	0.0
20	16QAM	1	1	23.10	23.22	23.18		
20	64QAM	1	1	21.70	21.81	21.77		
20	256QAM	1	1	20.31	20.42	20.36	21.2	3.5
Channel				166300	166800	167300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.51	23.54	23.40	24.7	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.47	23.53	23.45	24.7	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.44	23.53	23.42	24.7	0.0

n7 Ant 1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	20.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	19.02	18.98	18.98		
50	PI2 BPSK	1	135	18.98	19.01	19.00	20.5	0.0
50	PI2 BPSK	1	268	19.00	19.03	18.92		
50	PI2 BPSK	135	0	19.04	19.04	19.00		
50	PI2 BPSK	135	68	19.01	18.98	18.98	20.5	0.0
50	PI2 BPSK	135	135	18.98	19.05	18.98		
50	PI2 BPSK	270	0	18.99	19.02	18.99		
50	QPSK	1	1	18.94	19.02	18.91	20.5	0.0
50	QPSK	1	135	18.98	19.04	18.90		
50	QPSK	1	268	19.05	19.06	18.89		
50	QPSK	135	0	19.01	19.00	18.92	20.5	0.0
50	QPSK	135	68	19.01	18.99	18.95		
50	QPSK	135	135	19.02	19.03	18.97		
50	QPSK	270	0	18.95	19.00	18.90	20.5	0.0
50	16QAM	1	1	18.95	18.98	18.98		
50	64QAM	1	1	18.97	18.99	18.98		
50	256QAM	1	1	18.94	19.03	19.00	20.5	0.0
Channel				504500	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.04	19.05	18.79	20.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.04	19.04	18.87	20.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.94	19.03	18.87	20.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.93	18.96	18.78	20.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.98	18.94	18.80	20.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.04	18.95	18.88	20.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.98	19.01	18.87	20.5	0.0

n66 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				346000	349000	352000	21.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.11	19.12	19.09	21.0	0.0
40	PI/2 BPSK	1	108	19.19	19.11	19.04		
40	PI/2 BPSK	1	214	19.10	19.19	19.03		
40	PI/2 BPSK	108	0	19.11	19.18	19.04	21.0	0.0
40	PI/2 BPSK	108	54	19.18	19.20	19.08	21.0	0.0
40	PI/2 BPSK	108	108	19.11	19.12	19.11	21.0	0.0
40	PI/2 BPSK	216	0	19.13	19.11	19.10		
40	QPSK	1	1	19.20	19.24	19.29		
40	QPSK	1	108	19.21	19.22	19.23	21.0	0.0
40	QPSK	1	214	19.25	19.29	19.23		
40	QPSK	108	0	19.28	19.23	19.20		
40	QPSK	108	54	19.21	19.27	19.15	21.0	0.0
40	QPSK	108	108	19.15	19.26	19.26	21.0	0.0
40	QPSK	216	0	19.21	19.23	19.15		
40	16QAM	1	1	19.11	19.10	19.11	21.0	0.0
40	64QAM	1	1	19.17	19.13	19.13	21.0	0.0
40	256QAM	1	1	19.16	19.18	19.07	21.0	0.0
Channel				345000	349000	353000	21.0	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.17	19.23	19.20	21.0	0.0
Channel				344500	349000	353500	21.0	0.0
Frequency (MHz)				1722.5	1745	1747.5		
25	QPSK	1	1	19.25	19.24	19.23	21.0	0.0
Channel				344000	349000	354000	21.0	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.28	19.28	19.15	21.0	0.0
Channel				343500	349000	354500	21.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.19	19.24	19.21	21.0	0.0
Channel				343000	349000	355000	21.0	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.24	19.21	19.18	21.0	0.0
Channel				342500	349000	355500	21.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.23	19.22	19.26	21.0	0.0

n7 Ant 3 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.62	23.70	23.63	24.5	0.0
50	PI/2 BPSK	1	135	23.62	23.68	23.54		
50	PI/2 BPSK	1	268	23.62	23.71	23.51	24.0	0.5
50	PI/2 BPSK	135	0	23.28	23.35	23.24		
50	PI/2 BPSK	135	68	23.57	23.79	23.58	24.5	0.0
50	PI/2 BPSK	135	135	23.27	23.33	23.25		
50	PI/2 BPSK	270	0	23.27	23.41	23.32	24.0	0.5
50	QPSK	1	1	23.78	23.77	23.66		
50	QPSK	1	135	23.67	23.75	23.67	24.5	0.0
50	QPSK	1	268	23.81	23.86	23.79		
50	QPSK	135	0	22.77	22.82	22.81	23.5	1.0
50	QPSK	135	68	23.67	23.81	23.65		
50	QPSK	135	135	22.78	22.84	22.75	23.5	1.0
50	QPSK	270	0	22.81	22.85	22.79		
50	16QAM	1	1	22.82	22.82	22.77	23.5	1.0
50	64QAM	1	1	21.32	21.37	21.34		
50	256QAM	1	1	19.33	19.37	19.28	20.0	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	24.5	0.0
40	QPSK	1	1	23.64	23.75	23.55		
Channel				503000	507000	511000	24.5	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.57	23.74	23.60	24.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	24.5	0.0
25	QPSK	1	1	23.65	23.75	23.54		
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.53	23.76	23.57	24.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	23.59	23.69	23.52		
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.58	23.72	23.59	24.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	23.56	23.77	23.52		

n2 Ant 4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	21.92	21.95	21.97		
20	PI2 BPSK	1	53	21.93	22.03	21.88	23.5	0.0
20	PI2 BPSK	1	104	21.90	21.96	21.94		
20	PI2 BPSK	50	0	21.47	21.57	21.53	23.0	0.5
20	PI2 BPSK	50	28	21.94	21.93	21.94	23.5	0.0
20	PI2 BPSK	50	56	21.54	21.56	21.47	23.0	0.5
20	PI2 BPSK	100	0	21.48	21.51	21.51		
20	QPSK	1	1	22.00	22.06	22.01		
20	QPSK	1	53	21.87	22.03	21.88	23.5	0.0
20	QPSK	1	104	21.87	21.94	21.98		
20	QPSK	50	0	21.05	21.11	21.04	22.5	1.0
20	QPSK	50	28	21.95	21.99	21.97	23.5	0.0
20	QPSK	50	56	21.00	21.05	21.04	22.5	1.0
20	QPSK	100	0	21.02	21.05	20.99		
20	16QAM	1	1	20.94	21.09	21.02	22.5	1.0
20	64QAM	1	1	19.56	19.53	19.48	21.0	2.5
20	256QAM	1	1	17.55	17.57	17.47	19.0	4.5
Channel				371500	370000	368500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.95	22.00	21.91	23.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1905	1900	1905		
10	QPSK	1	1	21.96	21.95	21.94	23.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	21.97	21.96	21.98	23.5	0.0

n5 Ant 4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167200	167600		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.42	24.50	24.46		
20	PI2 BPSK	1	53	24.41	24.49	24.38	25.7	0.0
20	PI2 BPSK	1	104	24.43	24.53	24.47		
20	PI2 BPSK	50	0	24.01	24.07	23.95	25.2	0.5
20	PI2 BPSK	50	28	24.47	24.53	24.43	25.7	0.0
20	PI2 BPSK	50	56	24.01	24.09	23.96	25.2	0.5
20	PI2 BPSK	100	0	24.05	24.05	24.06		
20	QPSK	1	1	24.52	24.59	24.50		
20	QPSK	1	53	24.39	24.48	24.39	25.7	0.0
20	QPSK	1	104	24.46	24.46	24.42		
20	QPSK	50	0	23.46	23.62	23.47	24.7	1.0
20	QPSK	50	28	24.39	24.56	24.47	25.7	0.0
20	QPSK	50	56	23.50	23.61	23.47	24.7	1.0
20	QPSK	100	0	23.63	23.57	23.51		
20	16QAM	1	1	23.47	23.60	23.46	24.7	1.0
20	64QAM	1	1	22.08	22.14	21.99	23.2	2.5
20	256QAM	1	1	19.96	20.13	20.02	21.2	4.5
Channel				166300	167200	167500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.47	24.55	24.48	25.7	0.0
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.44	24.48	24.42	25.7	0.0
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.47	24.46	24.45	25.7	0.0

n7 Ant 4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	23.35	23.41	23.38		
50	PI2 BPSK	1	135	23.36	23.39	23.33	25.0	0.0
50	PI2 BPSK	1	268	23.36	23.40	23.35		
50	PI2 BPSK	135	0	23.01	23.04	23.00	24.5	0.5
50	PI2 BPSK	135	68	23.38	23.40	23.31	25.0	0.0
50	PI2 BPSK	135	135	23.02	22.99	22.97	24.5	0.5
50	PI2 BPSK	270	0	22.96	22.98	22.97		
50	QPSK	1	1	23.44	23.43	23.42		
50	QPSK	1	135	23.36	23.43	23.37	25.0	0.0
50	QPSK	1	268	23.46	23.52	23.45		
50	QPSK	135	0	22.49	22.53	22.50	24.0	1.0
50	QPSK	135	68	23.39	23.44	23.39	25.0	0.0
50	QPSK	135	135	22.47	22.49	22.43	24.0	1.0
50	QPSK	270	0	22.46	22.48	22.43		
50	16QAM	1	1	22.50	22.57	22.44	24.0	1.0
50	64QAM	1	1	20.99	21.01	20.96	22.5	2.5
50	256QAM	1	1	18.93	19.05	18.90	20.5	4.5
Channel				504500	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.37	23.41	23.34	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2315	2335	2355		
30	QPSK	1	1	23.39	23.45	23.34	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.41	23.45	23.33	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.40	23.45	23.37	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.38	23.41	23.40	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.34	23.47	23.38	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.40	23.39	23.38	25.0	0.0

n38 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				518004	519000	519996	21.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.38	19.39	19.29	21.0	0.0	
40	PI/2 BPSK	1	53	19.38	19.34	19.30			
40	PI/2 BPSK	1	104	19.31	19.38	19.31	21.0	0.0	
40	PI/2 BPSK	50	0	19.36	19.34	19.23			
40	PI/2 BPSK	50	28	19.39	19.38	19.28	21.0	0.0	
40	PI/2 BPSK	50	56	19.28	19.28	19.24			
40	PI/2 BPSK	100	0	19.29	19.38	19.28	21.0	0.0	
40	QPSK	1	1	19.44	19.49	19.40			
40	QPSK	1	53	19.31	19.46	19.36	21.0	0.0	
40	QPSK	1	104	19.41	19.41	19.29			
40	QPSK	50	0	19.36	19.29	19.23	21.0	0.0	
40	QPSK	50	28	19.37	19.45	19.37			
40	QPSK	50	56	19.34	19.30	19.30	21.0	0.0	
40	QPSK	100	0	19.41	19.42	19.35			
40	16QAM	1	1	19.28	19.28	19.31	21.0	0.0	
40	64QAM	1	1	19.29	19.32	19.31			
40	256QAM	1	1	18.95	18.92	18.88	20.5	0.5	
Channel				517002	519000	520998	21.0	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.37	19.45	19.32	21.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48	21.0	0.0	
25	QPSK	1	1	19.30	19.41	19.32		0.0	
Channel				516000	519000	522000	21.0	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.34	19.44	19.30	21.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	21.0	0.0	
15	QPSK	1	1	19.41	19.47	19.35		0.0	
Channel				515004	519000	522996	21.0	0.0	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.41	19.39	19.27	21.0	0.0	

n41 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				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.43	19.49	19.32	21.0	0.0	
100	PI/2 BPSK	1	137	19.47	19.44	19.37			
100	PI/2 BPSK	1	271	19.36	19.46	19.33	21.0	0.0	
100	PI/2 BPSK	135	0	19.38	19.43	19.26			
100	PI/2 BPSK	135	69	19.44	19.38	19.35	21.0	0.0	
100	PI/2 BPSK	135	138	19.38	19.34	19.33			
100	PI/2 BPSK	270	0	19.31	19.46	19.28	21.0	0.0	
100	QPSK	1	1	19.50	19.55	19.48			
100	QPSK	1	137	19.31	19.50	19.42	21.0	0.0	
100	QPSK	1	271	19.47	19.47	19.33			
100	QPSK	135	0	19.38	19.30	19.32	21.0	0.0	
100	QPSK	135	69	19.47	19.54	19.47			
100	QPSK	135	138	19.41	19.36	19.37	21.0	0.0	
100	QPSK	270	0	19.51	19.52	19.37			
100	16QAM	1	1	19.33	19.38	19.33	21.0	0.0	
100	64QAM	1	1	19.33	19.41	19.37			
100	256QAM	1	1	18.95	18.97	18.90	20.5	0.5	
Channel				508200	518598	528996	21.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.37	19.49	19.39	21.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	21.0	0.0	
80	QPSK	1	1	19.43	19.42	19.37		0.0	
Channel				506200	518598	531996	21.0	0.0	
Frequency (MHz)				2536	2592.99	2639.98			
60	QPSK	1	1	19.38	19.48	19.45	21.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	21.0	0.0	
50	QPSK	1	1	19.38	19.46	19.43		0.0	
Channel				503202	518598	534000	21.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.40	19.42	19.34	21.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98	21.0	0.0	
30	QPSK	1	1	19.41	19.44	19.37		0.0	
Channel				501204	518598	535998	21.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.47	19.43	19.42	21.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48	21.0	0.0	
15	QPSK	1	1	19.46	19.53	19.40		0.0	
Channel				500202	518598	537000	21.0	0.0	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.48	19.51	19.40	21.0	0.0	

n48 Ant 2 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				636000	641666	646332			
Frequency (MHz)				3520	3624.99	3680			
40	Pi2 BPSK	1	1	18.15	18.16	18.13			
40	Pi2 BPSK	1	53	18.14	18.22	18.13	19.5	0.0	
40	Pi2 BPSK	1	104	18.13	18.21	18.18			
40	Pi2 BPSK	50	0	18.16	18.20	18.17	19.5	0.0	
40	Pi2 BPSK	50	28	18.15	18.18	18.14	19.5	0.0	
40	Pi2 BPSK	50	56	18.12	18.22	18.19	19.5	0.0	
40	Pi2 BPSK	100	0	18.18	18.18	18.15			
40	QPSK	1	1	18.19	18.28	18.22			
40	QPSK	1	53	18.17	18.19	18.11	19.5	0.0	
40	QPSK	1	104	18.19	18.21	18.15			
40	QPSK	50	0	18.22	18.23	18.20	18.5	1.0	
40	QPSK	50	28	18.16	18.24	18.19	19.5	0.0	
40	QPSK	50	56	18.20	18.22	18.20	18.5	1.0	
40	QPSK	100	0	18.20	18.27	18.15			
40	16QAM	1	1	18.22	18.16	18.14	19.5	0.0	
40	64QAM	1	1	16.73	16.73	16.69	18.0	1.5	
40	256QAM	1	1	14.03	14.73	14.68	16.0	3.5	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	18.19	18.20	18.13	19.5	0.0	
Channel				637334	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3568.01	3624.99	3680.00			
20	QPSK	1	1	18.12	18.17	18.20	19.5	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3652.48			
16	QPSK	1	1	18.15	18.19	18.11	19.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3624.99	3695			
10	QPSK	1	1	18.17	18.16	18.12	19.5	0.0	

Par270 n77 PC2&3 Ant 2 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	17.44	17.56	17.49			
100	Pi2 BPSK	1	137	17.43	17.49	17.42	19.0	0.0	
100	Pi2 BPSK	1	271	17.46	17.50	17.42			
100	Pi2 BPSK	135	0	17.43	17.53	17.49	19.0	0.0	
100	Pi2 BPSK	135	69	17.46	17.56	17.52	19.0	0.0	
100	Pi2 BPSK	135	138	17.42	17.53	17.43	19.0	0.0	
100	Pi2 BPSK	270	0	17.39	17.52	17.43			
100	QPSK	1	1	17.48	17.56	17.46			
100	QPSK	1	137	17.42	17.52	17.48	19.0	0.0	
100	QPSK	1	271	17.45	17.51	17.45			
100	QPSK	135	0	17.45	17.52	17.44	18.0	1.0	
100	QPSK	135	69	17.46	17.55	17.45	19.0	0.0	
100	QPSK	135	138	17.45	17.53	17.48	18.0	1.0	
100	QPSK	270	0	17.41	17.53	17.44			
100	16QAM	1	1	17.49	17.52	17.47	19.0	0.0	
100	64QAM	1	1	17.44	17.49	17.47	19.0	0.0	
100	256QAM	1	1	16.51	16.46	16.37	18.0	1.0	
Channel				645968	650000	654032	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.42	17.54	17.38	19.0	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3930.01			
80	QPSK	1	109	17.40	17.52	17.37	19.0	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3920.01			
60	QPSK	1	81	17.39	17.50	17.44	19.0	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3935.02			
50	QPSK	1	67	17.37	17.52	17.43	19.0	0.0	
Channel				646000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.44	17.54	17.35	19.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3920.02			
20	QPSK	1	26	17.43	17.55	17.44	19.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	17.37	17.54	17.42	19.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3995			
10	QPSK	1	12	17.47	17.53	17.36	19.0	0.0	

Part27Q n77 PC2&3 Ant 2 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		17.69				
100	Pi2 BPSK	1	137		17.71		19.0	0.0	
100	Pi2 BPSK	1	271		17.65				
100	Pi2 BPSK	135	0		17.67		19.0	0.0	
100	Pi2 BPSK	135	69		17.67		19.0	0.0	
100	Pi2 BPSK	135	138		17.68		19.0	0.0	
100	Pi2 BPSK	270	0		17.65		19.0	0.0	
100	QPSK	1	1		17.74				
100	QPSK	1	137		17.71		19.0	0.0	
100	QPSK	1	271		17.63				
100	QPSK	135	0		17.65		18.0	1.0	
100	QPSK	135	69		17.73		19.0	0.0	
100	QPSK	135	138		17.63		18.0	1.0	
100	QPSK	270	0		17.72				
100	16QAM	1	1		17.71		19.0	0.0	
100	64QAM	1	1		17.72		19.0	0.0	
100	256QAM	1	1		16.73		16.0	1.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123		17.51	17.54	17.39	19.0	0.0
Channel				633668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		17.56	17.58	17.41	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		17.49	17.53	17.43	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		17.52	17.55	17.42	19.0	0.0
Channel				631334	633334	635332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		17.54	17.54	17.46	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		17.54	17.51	17.44	19.0	0.0
Channel				630000	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		17.53	17.57	17.57	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		17.56	17.52	17.47	19.0	0.0

Part27Q 78 HPUE Ant 2 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	18.82	3500.01				
100	PQ2 BPSK	1	137	18.83			20.0	0.0	
100	PQ2 BPSK	1	271	18.80					
100	PQ2 BPSK	135	0	18.82			20.0	0.0	
100	PQ2 BPSK	135	69	18.80			20.0	0.0	
100	PQ2 BPSK	135	138	18.83			20.0	0.0	
100	PQ2 BPSK	270	0	18.77					
100	QPSK	1	1	18.85					
100	QPSK	1	137	18.80			20.0	0.0	
100	QPSK	1	271	18.85					
100	QPSK	135	0	18.82			19.0	1.0	
100	QPSK	135	69	18.84			20.0	0.0	
100	QPSK	135	138	18.83			19.0	1.0	
100	QPSK	270	0	18.81					
100	16QAM	1	1	18.76			20.0	0.0	
100	64QAM	1	1	18.74			20.0	0.0	
100	256QAM	1	1	18.77			18.0	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	123	18.44	18.61	18.60	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	18.53	18.59	18.60	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	95	18.50	18.64	18.59	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	18.46	18.56	18.53	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	18.49	18.57	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	18.46	18.63	18.62	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	18.43	18.55	18.63	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	25	18.46	18.61	18.59	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	18.47	18.60	18.54	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	18.54	18.65	18.57	20.0	0.0	

n38 Ant 3 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	23.65	23.71	23.71	24.5	0.0	
40	Pi2 BPSK	1	53	23.65	23.75	23.72			
40	Pi2 BPSK	1	104	23.68	23.68	23.62			
40	Pi2 BPSK	50	0	23.16	23.28	23.28	24.0	0.5	
40	Pi2 BPSK	50	28	23.67	23.72	23.69	24.5	0.0	
40	Pi2 BPSK	50	56	23.20	23.27	23.20	24.0	0.5	
40	Pi2 BPSK	100	0	23.18	23.32	23.31	24.0	0.5	
40	QPSK	1	1	23.71	23.79	23.76	24.5	0.0	
40	QPSK	1	53	23.67	23.75	23.73			
40	QPSK	1	104	23.68	23.68	23.68			
40	QPSK	50	0	22.89	22.84	22.71	23.5	1.0	
40	QPSK	50	28	23.62	23.72	23.69	24.5	0.0	
40	QPSK	50	56	22.70	22.74	22.80	23.5	1.0	
40	QPSK	100	0	22.73	22.85	22.75	23.5	1.0	
40	16QAM	1	1	22.74	22.76	22.76	23.5	1.0	
40	64QAM	1	1	21.26	21.33	21.20	22.0	2.5	
40	256QAM	1	1	19.22	19.30	19.27	20.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.65	23.67	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.64	23.67	23.64	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.69	23.67	23.71	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.58	23.74	23.73	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.65	23.74	23.65	24.5	0.0	

n41 Ant 3 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	23.73	23.82	23.79	24.5	0.0	
100	Pi2 BPSK	1	137	23.73	23.80	23.82			
100	Pi2 BPSK	1	271	23.75	23.80	23.67			
100	Pi2 BPSK	135	0	23.24	23.39	23.31	24.0	0.5	
100	Pi2 BPSK	135	69	23.75	23.82	23.70	24.5	0.0	
100	Pi2 BPSK	135	138	23.24	23.34	23.26	24.0	0.5	
100	Pi2 BPSK	270	0	23.19	23.36	23.42			
100	QPSK	1	1	23.72	23.86	23.79	24.5	0.0	
100	QPSK	1	137	23.73	23.83	23.80			
100	QPSK	1	271	23.71	23.71	23.70			
100	QPSK	135	0	22.74	22.89	22.71	23.5	1.0	
100	QPSK	135	69	23.88	23.83	23.76	24.5	0.0	
100	QPSK	135	138	22.74	22.82	22.87	23.5	1.0	
100	QPSK	270	0	22.76	22.96	22.82	23.5	1.0	
100	16QAM	1	1	22.82	22.80	22.87	23.5	1.0	
100	64QAM	1	1	21.32	21.41	21.21	22.0	2.5	
100	256QAM	1	1	19.28	19.34	19.31	20.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	23.61	23.79	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	23.59	23.76	23.69	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	23.63	23.73	23.71	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	23.67	23.80	23.67	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	23.58	23.74	23.74	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	23.68	23.75	23.73	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	23.67	23.81	23.75	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	23.61	23.74	23.73	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	23.61	23.73	23.74	24.5	0.0	

n48 Ant 3 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	20.41	20.42	20.43	22.0		0.0
40	Pi2 BPSK	1	53	20.44	20.47	20.46			
40	Pi2 BPSK	1	104	20.35	20.48	20.39			
40	Pi2 BPSK	50	0	19.93	20.07	20.00	21.5	0.5	
40	Pi2 BPSK	50	28	20.46	20.44	20.47	22.0	0.0	
40	Pi2 BPSK	50	56	19.97	20.09	20.06	21.5	0.5	
40	Pi2 BPSK	100	0	19.98	20.04	20.07			
40	QPSK	1	1	20.48	20.55	20.52	22.0		0.0
40	QPSK	1	53	20.40	20.41	20.48			
40	QPSK	1	104	20.45	20.51	20.47			
40	QPSK	50	0	19.97	20.07	19.97	21.0	1.0	
40	QPSK	50	28	20.40	20.50	20.46	22.0	0.0	
40	QPSK	50	56	19.98	20.06	20.05	21.0	1.0	
40	QPSK	100	0	19.93	20.05	19.96	21.0	1.0	
40	16QAM	1	1	19.95	20.06	20.02	21.0	1.0	
40	64QAM	1	1	17.98	18.10	18.05	19.5	2.5	
40	256QAM	1	1	15.98	16.11	16.00	17.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.36	20.51	20.48	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.41	20.48	20.43	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.43	20.47	20.41	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.41	20.48	20.39	22.0	0.0	

Par270 n77 Ant 3 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 600000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.42	18.47	18.41	20.0	0.0	
100	PI2 BPSK	1	137	18.44	18.44	18.48			
100	PI2 BPSK	1	271	18.47	18.51	18.44			
100	PI2 BPSK	135	0	18.10	18.08	18.00	19.5	0.5	
100	PI2 BPSK	135	69	18.47	18.50	18.42	20.0	0.0	
100	PI2 BPSK	135	138	18.03	18.13	17.97	19.5	0.5	
100	PI2 BPSK	270	0	18.09	18.07	18.06	20.0	0.0	
100	QPSK	1	1	18.55	18.56	18.52			
100	QPSK	1	137	18.44	18.47	18.47			
100	QPSK	1	271	18.42	18.47	18.40	19.0	1.0	
100	QPSK	135	0	17.54	17.54	17.51			
100	QPSK	135	69	18.44	18.57	18.44			
100	QPSK	135	138	17.52	17.59	17.54	19.0	1.0	
100	QPSK	270	0	17.57	17.63	17.54	19.0	1.0	
100	16QAM	1	1	17.57	17.55	17.54			
100	64QAM	1	1	18.02	18.10	18.03	17.5	2.5	
100	256QAM	1	1	14.02	14.00	14.00	15.5	4.5	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	18.45	18.52	18.39	20.0	0.0	
Channel				649334	650000	662068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	18.47	18.53	18.50	20.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	18.42	18.44	18.45	20.0	0.0	
Channel				646334	650000	663068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3965.02			
50	QPSK	1	67	18.48	18.48	18.43	20.0	0.0	
Channel				645000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	18.50	18.51	18.48	20.0	0.0	
Channel				647334	650000	664868	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	18.45	18.50	18.48	20.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	18.46	18.49	18.39	20.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	18.49	18.47	18.48	20.0	0.0	

Par270 n77 HPUE Ant 3 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	21.43	21.46	21.43	23.0	0.0	
100	PI2 BPSK	1	137	21.40	21.54	21.49			
100	PI2 BPSK	1	271	21.50	21.54	21.45			
100	PI2 BPSK	135	0	21.05	21.10	20.99	22.5	0.5	
100	PI2 BPSK	135	69	21.45	21.54	21.41	23.0	0.0	
100	PI2 BPSK	135	138	21.06	21.16	20.96	22.5	0.5	
100	PI2 BPSK	270	0	21.07	21.07	21.11	23.0	0.0	
100	QPSK	1	1	21.56	21.62	21.56			
100	QPSK	1	137	21.39	21.48	21.47			
100	QPSK	1	271	21.47	21.41	21.45	22.0	1.0	
100	QPSK	135	0	20.48	20.55	20.46			
100	QPSK	135	69	21.38	21.58	21.50			
100	QPSK	135	138	20.58	20.59	20.49	22.0	1.0	
100	QPSK	270	0	20.57	20.55	20.52	22.0	1.0	
100	16QAM	1	1	20.52	20.57	20.49			
100	64QAM	1	1	19.06	19.08	19.01	20.5	2.5	
100	256QAM	1	1	17.04	17.00	17.02	18.5	4.5	
Channel				649688	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	21.45	21.52	21.47	23.0	0.0	
Channel				649334	650000	662068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	21.43	21.56	21.50	23.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	21.45	21.48	21.44	23.0	0.0	
Channel				646334	650000	663068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3965.02			
50	QPSK	1	67	21.45	21.49	21.52	23.0	0.0	
Channel				645000	650000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.43	21.59	21.48	23.0	0.0	
Channel				647334	650000	664868	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.48	21.55	21.47	23.0	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	21.52	21.57	21.43	23.0	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	21.49	21.50	21.48	23.0	0.0	

Part27Q n77 Ant 3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	18.82	18.82	18.82	20.0	0.0	0.0
100	PI2 BPSK	1	137	18.82	18.82	18.82			
100	PI2 BPSK	1	271	18.80	18.80	18.80			
100	PI2 BPSK	135	0	18.42	18.42	18.42	19.5	0.5	
100	PI2 BPSK	135	69	18.76	18.76	18.76	20.0	0.0	
100	PI2 BPSK	135	138	18.08	18.08	18.08	19.5	0.5	
100	PI2 BPSK	270	0	18.31	18.31	18.31	20.0	0.0	
100	QPSK	1	1	18.89	18.89	18.89			
100	QPSK	1	137	18.76	18.76	18.76			
100	QPSK	1	271	18.77	18.77	18.77	19.0	1.0	
100	QPSK	135	0	17.90	17.90	17.90			
100	QPSK	135	69	18.87	18.87	18.87			
100	QPSK	135	138	17.90	17.90	17.90	19.0	1.0	
100	QPSK	270	0	17.91	17.91	17.91	19.0	1.0	
100	16QAM	1	1	17.90	17.90	17.90			
100	64QAM	1	1	18.42	18.42	18.42	17.5	2.5	
100	256QAM	1	1	14.40	14.40	14.40	15.5	4.5	
Channel				630000	633334	633968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	18.78	18.82	18.68	20.0	0.0	
Channel				630968	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	18.71	18.80	18.74	20.0	0.0	
Channel				630000	633334	634968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	18.72	18.79	18.69	20.0	0.0	
Channel				631968	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	18.76	18.81	18.74	20.0	0.0	
Channel									
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	18.77	18.80	18.73	20.0	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	18.74	18.79	18.69	20.0	0.0	
Channel				630000	633334	637000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	18.70	18.82	18.68	20.0	0.0	
Channel				630000	633334	638334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	18.70	18.83	18.71	20.0	0.0	

Part27Q n77 HPUE Ant 3 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01			23.0	0.0	
100	PI2 BPSK	1	1	21.85					
100	PI2 BPSK	1	137	21.86					
100	PI2 BPSK	1	271	21.75					
100	PI2 BPSK	135	0	21.39			22.5	0.5	
100	PI2 BPSK	135	69	21.62			23.0	0.0	
100	PI2 BPSK	135	138	21.47			22.5	0.5	
100	PI2 BPSK	270	0	21.32			23.0	0.0	
100	QPSK	1	1	21.94					
100	QPSK	1	137	21.85					
100	QPSK	1	271	21.77					
100	QPSK	135	0	20.94			22.0	1.0	
100	QPSK	135	69	21.81			23.0	0.0	
100	QPSK	135	138	20.93			22.0	1.0	
100	QPSK	270	0	21.01			22.0	1.0	
100	16QAM	1	1	20.92					
100	64QAM	1	1	19.43			20.5	2.5	
100	256QAM	1	1	17.43			18.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	23.0	0.0	
90	QPSK	1	123	21.75	21.79	21.63	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510	23.0	0.0	
80	QPSK	1	109	21.78	21.85	21.66	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02	23.0	0.0	
80	QPSK	1	81	21.89	21.73	21.67	23.0	0.0	
Channel				637668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3500.01	3525	23.0	0.0	
50	QPSK	1	67	21.78	21.86	21.73	23.0	0.0	
Channel				6370.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	23.0	0.0	
40	QPSK	1	53	21.75	21.84	21.68	23.0	0.0	
Channel				636668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.02	3500.01	3460	23.0	0.0	
20	QPSK	1	26	21.82	21.80	21.83	23.0	0.0	
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	23.0	0.0	
15	QPSK	1	19	21.72	21.79	21.83	23.0	0.0	
Channel				635334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3500.01	3545.01	23.0	0.0	
10	QPSK	1	12	21.76	21.82	21.68	23.0	0.0	

Part27O n78 Ant 3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	18.57			20.0		0.0
100	PI2 BPSK	1	137	18.55					
100	PI2 BPSK	1	271	18.58					
100	PI2 BPSK	135	0	18.09			19.5	0.5	
100	PI2 BPSK	135	69	18.59			20.0	0.0	
100	PI2 BPSK	135	138	18.22			19.5	0.5	
100	PI2 BPSK	270	0	18.17					
100	QPSK	1	1	18.05					
100	QPSK	1	137	18.59					
100	QPSK	1	271	18.56			20.0	0.0	
100	QPSK	135	0	17.57			19.0	1.0	
100	QPSK	135	69	18.60			20.0	0.0	
100	QPSK	135	138	17.60			19.0	1.0	
100	QPSK	270	0	17.66					
100	16QAM	1	1	17.58			19.0	1.0	
100	64QAM	1	1	16.15			17.5	2.5	
100	256QAM	1	1	14.14			15.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	20.0	0.0	
90	QPSK	1	123	18.53	18.59	18.43	20.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.0	0.0	
80	QPSK	1	109	18.47	18.55	18.43	20.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.0	0.0	
70	QPSK	1	95	18.50	18.59	18.48	20.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.0	0.0	
60	QPSK	1	81	18.46	18.52	18.50	20.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0	
50	QPSK	1	67	18.46	18.57	18.39	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	QPSK	1	53	18.48	18.63	18.47	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	20.0	0.0	
30	QPSK	1	39	18.55	18.54	18.42	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.0	0.0	
20	QPSK	1	26	18.48	18.63	18.42	20.0	0.0	
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	20.0	0.0	
15	QPSK	1	19	18.50	18.58	18.49	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.0	0.0	
10	QPSK	1	12	18.50	18.55	18.46	20.0	0.0	

Part270 n78 HPUE Ant 3 DSIS									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1	21.62			23.0	0.0	
100	Pi2 BPSK	1	137	21.53					
100	Pi2 BPSK	1	271	21.62					
100	Pi2 BPSK	135	0	21.06					
100	Pi2 BPSK	135	69	21.57			22.5	0.5	
100	Pi2 BPSK	135	138	21.27			22.5	0.0	
100	Pi2 BPSK	270	0	21.20			22.5	0.5	
100	QPSK	1	1	21.84			23.0	0.0	
100	QPSK	1	137	21.81					
100	QPSK	1	271	21.62					
100	QPSK	135	0	20.66					
100	QPSK	135	69	21.61			23.0	1.0	
100	QPSK	135	138	20.59			23.0	0.0	
100	QPSK	270	0	20.70			22.0	1.0	
100	16QAM	1	1	20.52			22.0	1.0	
100	8QAM	1	1	19.34			22.0	2.5	
256QAM	1	1	1	17.20			18.5	4.5	
Channel									
Frequency (MHz)				646668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
				3725.02	3750	3785.01			
90	QPSK	1	123	21.58	21.53	21.43	23.0	0.0	
Channel									
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
				3740.01	3750	3760.02			
80	QPSK	1	109	21.55	21.53	21.39	23.0	0.0	
Channel									
Frequency (MHz)				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
				3725	3750	3765			
70	QPSK	1	95	21.52	21.62	21.44	23.0	0.0	
Channel									
Frequency (MHz)				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
				3700.02	3750	3780.01			
60	QPSK	1	81	21.56	21.60	21.49	23.0	0.0	
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
				3725.01	3750	3775.02			
50	QPSK	1	67	21.50	21.47	21.39	23.0	0.0	
Channel									
Frequency (MHz)				645000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
				3720	3750	3780			
40	QPSK	1	53	21.51	21.57	21.40	23.0	0.0	
Channel									
Frequency (MHz)				647169	650000	652834	Tune-up limit (dBm)	MPR (dB)	
				3713.09	3750	3788.01			
30	QPSK	1	39	21.47	21.54	21.42	23.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
				3703.12	3750	3780.02			
20	QPSK	1	26	21.47	21.59	21.44	23.0	0.0	
Channel									
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
				3707.52	3750	3792.51			
15	QPSK	1	19	21.56	21.54	21.45	23.0	0.0	
Channel									
Frequency (MHz)				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
				3705	3750	3795			
10	QPSK	1	12	21.47	21.63	21.45	23.0	0.0	

Part27Q 78 Ant 3 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
							Tune-up limit (dBm) MPR (dB)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	18.90	18.90		
100	P12 BPSK	1	137	18.96	18.96		20.0
100	P12 BPSK	1	271	18.98	18.98		
100	P12 BPSK	135	0	18.60	18.60	19.5	0.5
100	P12 BPSK	135	69	18.69	18.69	20.0	0.0
100	P12 BPSK	135	138	18.55	18.55	19.5	0.5
100	P12 BPSK	270	0	18.37	18.37		
100	QPSK	1	1	19.06	19.06		
100	QPSK	1	137	18.93	18.93	20.0	0.0
100	QPSK	1	271	18.87	18.87		
100	QPSK	135	0	17.88	17.88	19.0	1.0
100	QPSK	135	69	19.04	19.04	20.0	0.0
100	QPSK	135	138	18.84	18.84	19.0	1.0
100	QPSK	270	0	18.10	18.10		
100	16QAM	1	1	18.07	18.07	19.0	1.0
100	64QAM	1	1	18.56	18.56	17.5	2.5
100	256QAM	1	1	14.37	14.37	15.5	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	18.88	18.96	18.84	20.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	18.86	18.93	18.85	20.0 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	96	18.86	18.94	18.82	20.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	18.88	18.88	18.77	20.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	18.95	18.95	18.85	20.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	18.87	18.94	18.83	20.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	39	18.92	18.89	18.82	20.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	18.94	19.00	18.76	20.0 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	18.89	18.89	18.79	20.0 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	18.85	18.95	18.82	20.0 0.0

Part27Q 78 HPUE Ant 3 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
							Tune-up limit (dBm) MPR (dB)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	21.91	21.91		
100	P12 BPSK	1	137	21.97	21.97		23.0
100	P12 BPSK	1	271	22.04	22.04		
100	P12 BPSK	135	0	21.65	21.65	22.5	0.5
100	P12 BPSK	135	69	21.88	21.88	23.0	0.0
100	P12 BPSK	135	138	21.50	21.50	22.5	0.5
100	P12 BPSK	270	0	21.40	21.40		
100	QPSK	1	1	22.07	22.07		
100	QPSK	1	137	21.90	21.90	23.0	0.0
100	QPSK	1	271	21.83	21.83		
100	QPSK	135	0	20.98	20.98	22.0	1.0
100	QPSK	135	69	22.05	22.05	23.0	0.0
100	QPSK	135	138	20.59	20.59	22.0	1.0
100	QPSK	270	0	21.15	21.15		
100	16QAM	1	1	21.04	21.04	22.0	1.0
100	64QAM	1	1	19.61	19.61	20.5	2.5
100	256QAM	1	1	17.62	17.62	18.5	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	21.94	21.99	21.88	23.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	21.89	21.95	21.90	23.0 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	96	21.91	21.93	21.80	23.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	21.86	21.86	21.82	23.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	21.88	21.99	21.88	23.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	21.92	21.96	21.87	23.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	39	21.89	21.83	21.89	23.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	21.86	21.96	21.82	23.0 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	21.86	21.93	21.85	23.0 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	21.86	21.90	21.85	23.0 0.0

n38 Ant 4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	23.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	21.96	22.00	21.97	23.5	0.0	
40	PI/2 BPSK	1	53	21.89	21.99	21.89			
40	PI/2 BPSK	1	104	21.91	21.97	21.94	23.0	0.5	
40	PI/2 BPSK	50	0	21.56	21.53	21.50			
40	PI/2 BPSK	50	28	21.98	22.01	21.91	23.5	0.0	
40	PI/2 BPSK	50	56	21.45	21.55	21.54			
40	PI/2 BPSK	100	0	21.45	21.52	21.56	23.0	0.5	
40	QPSK	1	1	22.01	22.07	22.02			
40	QPSK	1	53	21.98	22.04	21.98	23.5	0.0	
40	QPSK	1	104	21.92	22.03	21.97			
40	QPSK	50	0	21.03	21.11	21.05	22.5	1.0	
40	QPSK	50	28	21.98	21.98	21.89			
40	QPSK	50	56	20.98	21.10	21.07	23.5	0.0	
40	QPSK	100	0	20.98	21.09	21.05			
40	16QAM	1	1	21.05	21.06	20.97	22.5	1.0	
40	64QAM	1	1	19.54	19.60	19.46			
40	256QAM	1	1	17.50	17.57	17.54	19.0		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	21.95	21.95	21.91	23.5		
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	21.90	21.97	21.93	23.5		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.92	21.96	22.00	23.5		
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.92	21.96	21.97	23.5		
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.97	22.05	21.91	23.5		

n41 Ant 4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.09	23.09	23.04	25.0	0.0	
100	PI/2 BPSK	1	137	23.01	23.07	23.05			
100	PI/2 BPSK	1	271	23.06	23.07	23.06	24.5	0.5	
100	PI/2 BPSK	135	0	22.64	22.58	22.57			
100	PI/2 BPSK	135	69	23.02	23.07	23.04	25.0	0.0	
100	PI/2 BPSK	135	138	22.56	22.64	22.65			
100	PI/2 BPSK	270	0	22.52	22.57	22.66	24.5	0.5	
100	QPSK	1	1	23.05	23.18	23.06			
100	QPSK	1	137	23.05	23.12	23.04	25.0	0.0	
100	QPSK	1	271	23.01	23.14	23.10			
100	QPSK	135	0	22.09	22.19	22.15	24.0	1.0	
100	QPSK	135	69	23.01	23.04	23.02			
100	QPSK	135	138	22.06	22.17	22.13	25.0	0.0	
100	QPSK	270	0	22.11	22.18	22.15			
100	16QAM	1	1	22.13	22.17	22.15	24.0	1.0	
100	64QAM	1	1	20.65	20.72	20.59			
100	256QAM	1	1	18.63	18.63	18.58	20.5		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.02	23.08	22.97	25.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.94	23.14	22.98	25.0		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.92	23.13	22.99	25.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.97	23.08	22.97	25.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.99	23.09	22.95	25.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.02	23.12	22.99	25.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.97	23.13	22.95	25.0		
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.98	23.07	23.00	25.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.98	23.14	23.00	25.0		

n48 Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	641666	645332			
Frequency (MHz)				3520	3524.99	3680			
40	PI2 BPSK	1	1	24.45	24.48	24.46			
40	PI2 BPSK	1	53	24.45	24.49	24.44	26.0	0.0	
40	PI2 BPSK	1	104	24.37	24.53	24.45			
40	PI2 BPSK	50	0	23.99	24.03	24.01	25.5	0.5	
40	PI2 BPSK	50	28	24.40	24.52	24.46	26.0	0.0	
40	PI2 BPSK	50	56	24.03	24.02	24.05	25.5	0.5	
40	PI2 BPSK	100	0	24.05	24.06	24.02			
40	QPSK	1	1	24.50	24.57	24.52			
40	QPSK	1	53	24.41	24.52	24.46	26.0	0.0	
40	QPSK	1	104	24.45	24.46	24.40			
40	QPSK	50	0	23.49	23.63	23.46	25.0	1.0	
40	QPSK	50	28	24.44	24.51	24.44	26.0	0.0	
40	QPSK	50	56	23.54	23.51	23.47	25.0	1.0	
40	QPSK	100	0	23.51	23.57	23.47			
40	16QAM	1	1	23.55	23.52	23.56	25.0	1.0	
40	64QAM	1	1	22.02	22.10	21.98	23.5	2.5	
40	256QAM	1	1	19.98	20.03	20.08	21.5	4.5	
Channel				637000	641666	645332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	24.39	24.54	24.44	26.0	0.0	
Channel				637334	641666	645000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3568.03	3624.99	3680.00			
20	QPSK	1	1	24.43	24.49	24.43	26.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3597.52	3624.99	3692.48			
15	QPSK	1	1	24.43	24.45	24.41	23.0	0.0	
Channel				637000	641666	645332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3595	3624.99	3695			
10	QPSK	1	1	24.44	24.48	24.46	26.0	0.0	

Par270 n77 Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.91	23.01	22.96			
100	PI2 BPSK	1	137	23.00	23.02	22.97	24.5	0.0	
100	PI2 BPSK	1	271	22.98	23.01	23.01			
100	PI2 BPSK	135	0	22.59	22.67	22.61	24.0	0.5	
100	PI2 BPSK	135	69	23.01	23.03	22.96	24.5	0.0	
100	PI2 BPSK	135	138	22.50	22.65	22.56	24.0	0.5	
100	PI2 BPSK	270	0	22.58	22.66	22.55			
100	QPSK	1	1	23.05	23.11	23.08			
100	QPSK	1	137	22.95	23.03	23.03	24.5	0.0	
100	QPSK	1	271	22.98	23.08	23.03			
100	QPSK	135	0	22.09	22.11	22.08	23.5	1.0	
100	QPSK	135	69	22.96	23.05	22.98	24.5	0.0	
100	QPSK	135	138	22.09	22.08	22.06	23.5	1.0	
100	QPSK	270	0	22.03	22.06	22.06			
100	16QAM	1	1	22.08	22.07	22.08	23.5	1.0	
100	64QAM	1	1	20.52	20.67	20.60	22.0	2.5	
100	256QAM	1	1	18.54	18.59	18.53	20.0	4.5	
Channel				645668	650000	655332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.00	23.05	23.04	24.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3950.01			
80	QPSK	1	109	22.98	22.98	22.95	24.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	22.95	22.98	23.01	24.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.02	23.09	23.00	24.5	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.01	23.04	22.94	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	22.95	23.03	23.00	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	22.96	22.99	22.96	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	22.98	23.09	22.96	24.5	0.0	

Par270 n77 HPUE Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	25.69	26.07	25.94			
100	PI2 BPSK	1	137	26.04	26.07	25.94	27.5	0.0	
100	PI2 BPSK	1	271	25.94	25.98	26.00			
100	PI2 BPSK	135	0	25.55	25.73	25.58	27.0	0.5	
100	PI2 BPSK	135	69	26.06	26.05	25.95	27.5	0.0	
100	PI2 BPSK	135	138	25.50	25.63	25.50	27.0	0.5	
100	PI2 BPSK	270	0	25.52	25.71	25.56			
100	QPSK	1	1	26.10	26.14	26.11			
100	QPSK	1	137	26.00	26.06	26.06	27.5	0.0	
100	QPSK	1	271	26.02	26.03	26.05			
100	QPSK	135	0	25.07	25.12	25.12	26.5	1.0	
100	QPSK	135	69	26.01	26.09	26.02	27.5	0.0	
100	QPSK	135	138	25.06	25.08	25.10	26.5	1.0	
100	QPSK	270	0	25.02	25.12	25.06			
100	16QAM	1	1	25.08	25.11	25.08	26.5	1.0	
100	64QAM	1	1	23.48	23.71	23.66	25.0	2.5	
100	256QAM	1	1	21.60	21.61	21.47	23.0	4.5	
Channel				646668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	26.05	26.05	25.99	27.5	0.0	
Channel				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.01			
80	QPSK	1	109	26.03	26.06	25.99	27.5	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	25.99	26.07	26.04	27.5	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	25.97	26.04	26.06	27.5	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	25.99	26.09	26.01	27.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	26	25.99	26.05	26.02	27.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	25.97	26.08	26.04	27.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3980			
10	QPSK	1	12	25.99	26.06	26.04	27.5	0.0	

Part27Q n77 Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.69	3000.01		24.5	0.0	
100	P12 BPSK	1	137	22.95					
100	P12 BPSK	1	271	23.01					
100	P12 BPSK	135	0	22.66			24.0	0.5	
100	P12 BPSK	135	69	23.03			24.5	0.0	
100	P12 BPSK	135	138	22.60			24.0	0.5	
100	P12 BPSK	270	0	22.66			24.5	0.0	
100	QPSK	1	1	23.07					
100	QPSK	1	137	23.05					
100	QPSK	1	271	23.05			23.5	1.0	
100	QPSK	135	0	22.03			23.5	1.0	
100	QPSK	135	69	23.05			24.5	0.0	
100	QPSK	135	138	22.02			23.5	1.0	
100	QPSK	270	0	22.05			23.5	1.0	
100	16QAM	1	1	21.99			23.5	1.0	
100	64QAM	1	1	20.70			22.0	2.5	
100	256QAM	1	1	18.61			20.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	22.91	63300.34	63368.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	109	22.99	63300.34	63605.12	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	81	22.97	63300.34	63630.10	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	67	22.93	63300.34	63634.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	53	22.92	63300.34	63634.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	26	22.96	63300.34	63634.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	19	23.03	63300.34	63634.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	12	22.98	63300.34	63634.00	Tune-up limit (dBm)	MPR (dB)	

Part27Q n77 HPUE Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3000.01					
100	P12 BPSK	1	1	25.93			27.5	0.0	
100	P12 BPSK	1	137	25.96					
100	P12 BPSK	1	271	25.97					
100	P12 BPSK	135	0	25.62			27.0	0.5	
100	P12 BPSK	135	69	26.01			27.5	0.0	
100	P12 BPSK	135	138	25.60			27.0	0.5	
100	P12 BPSK	270	0	25.62			27.5	0.0	
100	QPSK	1	1	26.09					
100	QPSK	1	137	26.05					
100	QPSK	1	271	26.05			26.5	1.0	
100	QPSK	135	0	26.07			26.5	1.0	
100	QPSK	135	69	26.06			27.5	0.0	
100	QPSK	135	138	26.09			26.5	1.0	
100	QPSK	270	0	25.10			26.5	1.0	
100	16QAM	1	1	25.00			26.5	1.0	
100	64QAM	1	1	23.68			25.0	2.5	
100	256QAM	1	1	21.62			23.0	4.5	
Channel									
Frequency (MHz)				93300	933334	933666	Tune-up limit (dbm)	MPR (db)	
				3495	3000.01	3005.02			
90	QPSK	1	123	25.93	25.96	25.84	27.5	0.0	
Channel									
Frequency (MHz)				3490.02	3000.01	3510	Tune-up limit (dbm)	MPR (db)	
80	QPSK	1	109	25.98	25.93	25.87	27.5	0.0	
Channel									
Frequency (MHz)				62000	933001	933001	Tune-up limit (dbm)	MPR (db)	
				3480	3000.01	3020.02			
60	QPSK	1	81	25.91	25.93	25.85	27.5	0.0	
Channel									
Frequency (MHz)				831666	933334	933500	Tune-up limit (dbm)	MPR (db)	
				3470.01	3000.01	3030.01			
50	QPSK	1	67	25.92	25.94	25.89	27.5	0.0	
Channel									
Frequency (MHz)				631334	933334	933534	Tune-up limit (dbm)	MPR (db)	
				3470.01	3000.01	3030.01			
40	QPSK	1	53	25.94	25.96	25.92	27.5	0.0	
Channel									
Frequency (MHz)				933666	933334	933001	Tune-up limit (dbm)	MPR (db)	
				3460.02	3000.01	3540			
20	QPSK	1	26	25.90	25.94	25.95	27.5	0.0	
Channel									
Frequency (MHz)				935001	933334	933001	Tune-up limit (dbm)	MPR (db)	
				3457.5	3000.01	3542.82			
15	QPSK	1	19	25.90	25.96	25.84	27.5	0.0	
Channel									
Frequency (MHz)				936000	933334	933001	Tune-up limit (dbm)	MPR (db)	
				3455.01	3000.01	3545.01			
10	QPSK	1	12	25.92	25.93	25.92	27.5	0.0	

Part27Q n78 Ant 5 DSI3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	22.90	3750	3750	24.5	0.0				
100	P12 BPSK	1	137	22.91								
100	P12 BPSK	1	271	22.89								
100	P12 BPSK	135	0	22.59			24.0	0.5				
100	P12 BPSK	135	69	22.89			24.5	0.0				
100	P12 BPSK	135	138	22.50			24.0	0.5				
100	P12 BPSK	270	0	22.63			24.5	0.0				
100	QPSK	1	1	23.00								
100	QPSK	1	137	22.98								
100	QPSK	1	271	22.98			23.5	1.0				
100	QPSK	135	69	21.95			24.5	0.0				
100	QPSK	135	138	21.89			23.5	1.0				
100	QPSK	270	0	22.02			23.5	1.0				
100	16QAM	1	1	21.90			23.5	1.0				
100	64QAM	1	1	20.61			22.0	2.5				
100	256QAM	1	1	18.51			20.0	4.5				
Channel												
Frequency (MHz)												
90	QPSK	1	123	22.81	22.96	22.83	24.5	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	109	22.88	22.96	22.91	24.5	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	95	22.83	22.90	22.84	24.5	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	81	22.77	22.96	22.85	24.5	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	67	22.79	22.98	22.91	24.5	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	53	22.82	22.96	22.92	24.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	39	22.84	22.96	22.83	24.5	0.0				
Channel												
Frequency (MHz)												
20	QPSK	1	26	22.86	22.98	22.90	24.5	0.0				
Channel												
Frequency (MHz)												
15	QPSK	1	19	22.78	22.98	22.88	24.5	0.0				
Channel												
Frequency (MHz)												
10	QPSK	1	12	22.78	22.94	22.83	24.5	0.0				

Part270 n78 HPUE Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 600000	Power Middle Ch. / Freq. 600000	Power High Ch. / Freq. 600000	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	3750	3750	3750			
100	PQ2 BPSK	1	1		25.87				
100	PQ2 BPSK	1	137		25.96		27.5	0.0	
100	PQ2 BPSK	1	271		25.93				
100	PQ2 BPSK	135	0		25.64		27.0	0.5	
100	PQ2 BPSK	135	69		26.04		27.5	0.0	
100	PQ2 BPSK	135	138		25.58		27.0	0.5	
100	PQ2 BPSK	270	0		25.55				
100	QPSK	1	1		28.08				
100	QPSK	1	137		26.01		27.5	0.0	
100	QPSK	1	271		26.00				
100	QPSK	135	0		25.07		26.5	1.0	
100	QPSK	135	69		25.99		27.5	0.0	
100	QPSK	135	138		24.92		26.5	1.0	
100	QPSK	270	0		25.03				
100	16QAM	1	1		24.97		26.5	1.0	
100	64QAM	1	1		23.61		25.0	2.5	
100	256QAM	1	1		21.67		23.0	4.5	
Channel									
				649600	630000	630000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
90	QPSK	1	123		3745.02	3750	3755.01	27.5	0.0
					26.00	25.98	25.90	27.5	0.0
Channel									
				640334	630000	630000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
80	QPSK	1	109		3740.01	3750	3760.02	27.5	0.0
					25.95	25.99	25.88	27.5	0.0
Channel									
				646000	630000	631000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
70	QPSK	1	95		3735	3750	3765	27.5	0.0
					25.90	25.98	25.87	27.5	0.0
Channel									
				648668	630000	631334	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
60	QPSK	1	81		3730.02	3750	3770.01	27.5	0.0
					25.98	25.92	25.84	27.5	0.0
Channel									
				643334	630000	631000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
50	QPSK	1	67		3725.01	3750	3775.02	27.5	0.0
					26.00	25.91	25.89	27.5	0.0
Channel									
				648000	630000	630000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
40	QPSK	1	53		3720.01	3750	3780.01	27.5	0.0
					25.90	25.90	25.86	27.5	0.0
Channel									
				647668	630000	632334	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
30	QPSK	1	39		3715.02	3750	3785.01	27.5	0.0
					26.00	25.98	25.91	27.5	0.0
Channel									
				647334	630000	632000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
20	QPSK	1	25		3710.01	3750	3790.02	27.5	0.0
					26.01	25.90	25.94	27.5	0.0
Channel									
				647168	630000	632668	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
15	QPSK	1	19		3707.52	3750	3792.51	27.5	0.0
					25.89	25.91	25.85	27.5	0.0
Channel									
				647000	630000	633000	Tune-up limit (dbm)		MPR (db)
Frequency (MHz)									
10	QPSK	1	12		3705	3750	3795	27.5	0.0
					25.92	25.91	25.85	27.5	0.0

Part27Q 78 Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				35000.1					
100	PQ2 BPSK	1	1		22.89				
100	PQ2 BPSK	1	137		22.91		24.5	0.0	
100	PQ2 BPSK	1	271		22.85				
100	PQ2 BPSK	135	0		22.52		24.0	0.5	
100	PQ2 BPSK	135	69		22.91		24.5	0.0	
100	PQ2 BPSK	135	138		22.50		24.0	0.5	
100	PQ2 BPSK	270	0		22.60				
100	QPSK	1	1		23.02				
100	QPSK	1	137		22.97		24.5	0.0	
100	QPSK	1	271		22.93				
100	QPSK	135	0		21.92		23.5	1.0	
100	QPSK	135	69		22.96		24.5	0.0	
100	QPSK	135	138		21.87		23.5	1.0	
100	QPSK	270	0		21.99				
100	16QAM	1	1		21.87		23.5	1.0	
100	64QAM	1	1		20.60		22.0	2.5	
100	256QAM	1	1		18.46		20.0	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	123		22.75	23.01	22.78	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510.01			
80	QPSK	1	109		22.78	22.95	22.83	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.01	3500.01	3515.01			
70	QPSK	1	95		22.79	23.01	22.81	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		22.75	22.96	22.82	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		22.80	22.96	22.76	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		22.77	22.93	22.77	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39		22.76	22.94	22.79	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	25		22.80	22.95	22.80	24.5	0.0
Channel				630500	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3542.52			
15	QPSK	1	19		22.81	23.01	22.75	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3540.01			
10	QPSK	1	12		22.78	22.93	22.85	24.5	0.0

Part27Q 78 HPUE Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1		25.83				
100	PQ2 BPSK	1	137		25.92		27.5	0.0	
100	PQ2 BPSK	1	211		25.87				
100	PQ2 BPSK	135	0		25.86		27.0	0.5	
100	PQ2 BPSK	135	69		26.01		27.5	0.0	
100	PQ2 BPSK	135	136		25.52		27.0	0.5	
100	PQ2 BPSK	270	0		25.52				
100	QPSK	1	1		25.52				
100	QPSK	1	137		25.58		27.5	0.0	
100	QPSK	1	271		26.00				
100	QPSK	135	0		25.59		26.5	1.0	
100	QPSK	135	69		25.52		27.5	0.0	
100	QPSK	135	136		24.95		26.5	1.0	
100	QPSK	270	0		25.56				
100	16QAM	1	1		24.96		26.5	1.0	
100	16QAM	1	1		21.60		26.0	2.5	
100	256QAM	1	1		21.64		23.0	4.5	
Channel									
Frequency (MHz)									
100	QPSK	1	123	633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				3465	3500.01	3505.02	27.5	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	109	632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3500.01	3510	27.5	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	95	25.93	25.99	25.87	27.5	0.0	
Channel									
Frequency (MHz)									
75	QPSK	1	95	25.96	25.90	25.83	27.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	25.96	25.98	25.91	27.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	63	25.97	26.00	25.88	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	25.91	25.88	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	25.92	25.92	25.93	27.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	25.83	26.01	25.84	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	26.00	25.97	25.93	27.5	0.0	

n38 Ant 7 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	15.32	15.38	15.31	
40	PI2 BPSK	1	53	15.27	15.36	15.27	17.0
40	PI2 BPSK	1	104	15.30	15.33	15.33	
40	PI2 BPSK	50	0	15.33	15.36	15.34	17.0
40	PI2 BPSK	50	28	15.30	15.33	15.27	17.0
40	PI2 BPSK	50	56	15.27	15.34	15.37	17.0
40	PI2 BPSK	100	0	15.27	15.32	15.33	
40	QPSK	1	1	15.35	15.40	15.38	
40	QPSK	1	53	15.35	15.37	15.28	17.0
40	QPSK	1	104	15.29	15.36	15.32	
40	QPSK	50	0	15.32	15.35	15.31	17.0
40	QPSK	50	28	15.33	15.39	15.34	17.0
40	QPSK	50	56	15.33	15.36	15.26	17.0
40	QPSK	100	0	15.32	15.38	15.33	
40	16QAM	1	1	15.35	15.37	15.29	17.0
40	64QAM	1	1	15.34	15.37	15.35	17.0
40	256QAM	1	1	15.36	15.38	15.32	15.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.28	15.35	15.28	17.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	15.30	15.36	15.29	17.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.34	15.38	15.27	17.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	15.23	15.38	15.36	17.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.24	15.35	15.35	17.0

n41 Ant 7 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	15.40	15.51	15.31	
100	PI2 BPSK	1	137	15.43	15.47	15.36	17.0
100	PI2 BPSK	1	271	15.41	15.50	15.36	
100	PI2 BPSK	135	0	15.45	15.43	15.29	17.0
100	PI2 BPSK	135	69	15.41	15.45	15.37	17.0
100	PI2 BPSK	135	138	15.46	15.42	15.30	17.0
100	PI2 BPSK	270	0	15.46	15.51	15.30	
100	QPSK	1	1	15.48	15.53	15.39	
100	QPSK	1	137	15.45	15.50	15.38	17.0
100	QPSK	1	271	15.48	15.51	15.35	
100	QPSK	135	0	15.46	15.46	15.37	17.0
100	QPSK	135	69	15.48	15.51	15.38	17.0
100	QPSK	135	138	15.44	15.46	15.37	17.0
100	QPSK	270	0	15.47	15.50	15.35	
100	16QAM	1	1	15.40	15.48	15.35	17.0
100	64QAM	1	1	15.48	15.51	15.38	17.0
100	256QAM	1	1	15.51	15.52	15.32	15.5
Channel							
Frequency (MHz)							
90	QPSK	1	123	15.43	15.52	15.39	17.0
Channel							
Frequency (MHz)							
80	QPSK	1	109	15.43	15.50	15.37	17.0
Channel							
Frequency (MHz)							
60	QPSK	1	81	15.42	15.51	15.37	17.0
Channel							
Frequency (MHz)							
50	QPSK	1	67	15.45	15.52	15.32	17.0
Channel							
Frequency (MHz)							
40	QPSK	1	53	15.40	15.51	15.27	17.0
Channel							
Frequency (MHz)							
30	QPSK	1	39	15.38	15.47	15.31	17.0
Channel							
Frequency (MHz)							
20	QPSK	1	26	15.43	15.48	15.35	17.0
Channel							
Frequency (MHz)							
15	QPSK	1	19	15.43	15.50	15.32	17.0
Channel							
Frequency (MHz)							
10	QPSK	1	12	15.38	15.51	15.32	17.0

n48 Ant 7 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.86	20.93	20.87	
40	PI2 BPSK	1	53	20.88	20.94	20.91	22.5
40	PI2 BPSK	1	104	20.82	20.88	20.90	
40	PI2 BPSK	50	0	20.80	20.91	20.89	22.5
40	PI2 BPSK	50	28	20.85	20.89	20.89	22.5
40	PI2 BPSK	50	56	20.82	20.94	20.85	22.5
40	PI2 BPSK	100	0	20.91	20.93	20.91	
40	QPSK	1	1	20.92	20.95	20.88	
40	QPSK	1	53	20.86	20.92	20.88	22.5
40	QPSK	1	104	20.92	20.93	20.91	
40	QPSK	50	0	20.87	20.93	20.88	22.5
40	QPSK	50	28	20.91	20.94	20.90	22.5
40	QPSK	50	56	20.91	20.88	20.85	22.5
40	QPSK	100	0	20.94	20.93	20.88	
40	16QAM	1	1	20.80	20.92	20.89	22.5
40	64QAM	1	1	20.33	20.41	20.44	22.0
40	256QAM	1	1	18.41	18.46	18.45	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.82	20.91	20.78	22.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.83	20.93	20.79	22.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.90	20.99	20.85	22.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.80	20.92	20.78	22.5

Par270 n77 Ant 7 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 600000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3460	3630			
100	Pi2 BPSK	1	1	20.90	20.98	20.93			
100	Pi2 BPSK	1	137	20.91	20.97	21.03	22.5	0.0	
100	Pi2 BPSK	1	271	21.00	21.00	21.02			
100	Pi2 BPSK	135	0	20.54	20.58	20.60	22.0	0.5	
100	Pi2 BPSK	135	69	20.97	20.97	20.94	22.5	0.0	
100	Pi2 BPSK	135	138	20.48	20.65	20.57	22.0	0.5	
100	Pi2 BPSK	270	0	20.52	20.56	20.62			
100	QPSK	1	1	21.02	21.10	21.06			
100	QPSK	1	137	20.92	21.01	21.01	22.5	0.0	
100	QPSK	1	271	20.98	20.97	20.93			
100	QPSK	135	0	20.05	20.16	20.11	21.5	1.0	
100	QPSK	135	69	20.88	21.07	20.93	22.5	0.0	
100	QPSK	135	138	20.01	20.09	20.05	21.5	1.0	
100	QPSK	270	0	20.07	20.15	20.04			
100	16QAM	1	1	20.01	20.07	20.09	21.5	1.0	
100	64QAM	1	1	18.49	18.64	18.61	20.0	2.5	
100	256QAM	1	1	16.51	16.63	16.54	18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	20.99	21.04	20.93	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	20.94	20.97	21.01	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	20.90	20.99	21.03	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	20.92	21.06	21.03	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	20.89	21.00	20.95	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	21.00	20.97	21.01	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	20.91	21.04	21.00	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	20.92	21.08	20.96	22.5	0.0	

Par270 n77 HPUE Ant 7 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	23.88	23.95	23.89			
100	Pi2 BPSK	1	137	23.85	23.96	24.03	25.5	0.0	
100	Pi2 BPSK	1	271	24.00	24.02	24.04			
100	Pi2 BPSK	135	0	23.59	23.61	23.60	25.0	0.5	
100	Pi2 BPSK	135	69	23.98	24.03	23.92	25.5	0.0	
100	Pi2 BPSK	135	138	23.48	23.70	23.55	25.0	0.5	
100	Pi2 BPSK	270	0	23.49	23.58	23.61			
100	QPSK	1	1	24.03	24.12	24.06			
100	QPSK	1	137	23.95	23.95	24.04	25.5	0.0	
100	QPSK	1	271	23.97	23.93	23.93			
100	QPSK	135	0	23.05	23.10	23.05	24.5	1.0	
100	QPSK	135	69	23.84	24.04	23.94	25.5	0.0	
100	QPSK	135	138	23.01	23.08	23.04	24.5	1.0	
100	QPSK	270	0	23.05	23.10	23.04			
100	16QAM	1	1	22.97	23.13	23.12	24.5	1.0	
100	64QAM	1	1	21.46	21.66	21.61	23.0	2.5	
100	256QAM	1	1	19.51	19.52	19.54	21.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	24.00	24.05	23.90	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	23.96	24.02	23.93	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	23.90	23.99	23.92	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	24.05	24.02	23.97	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	24.03	24.09	23.88	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	24.03	24.06	23.96	25.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	24.00	24.04	23.82	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	24.02	24.01	23.94	25.5	0.0	

Part27Q n77 Ant 7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1		21.22				
100	Pi2 BPSK	1	137		21.16		22.5	0.0	
100	Pi2 BPSK	1	271		21.20				
100	Pi2 BPSK	135	0		20.77		22.0	0.5	
100	Pi2 BPSK	135	69		21.16		22.5	0.0	
100	Pi2 BPSK	135	138		20.87		22.0	0.5	
100	Pi2 BPSK	270	0		20.81				
100	QPSK	1	1		21.33				
100	QPSK	1	137		21.25		22.5	0.0	
100	QPSK	1	271		21.13				
100	QPSK	135	0		20.41		21.5	1.0	
100	QPSK	135	69		21.24		22.5	0.0	
100	QPSK	135	138		20.28		21.5	1.0	
100	QPSK	270	0		20.41				
100	16QAM	1	1		20.24		21.5	1.0	
100	64QAM	1	1		18.83		20.0	2.5	
100	256QAM	1	1		16.78		18.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	633000	633334	633668	Tune-up limit (dBm)	MPR	
80	QPSK	1	109	634688	633001	634668	Tune-up limit (dBm)	MPR	
70	QPSK	1	95	635000	633334	635002	Tune-up limit (dBm)	MPR	
60	QPSK	1	81	636000	633001	636002	Tune-up limit (dBm)	MPR	
50	QPSK	1	67	637500	633334	637500	Tune-up limit (dBm)	MPR	
40	QPSK	1	53	639000	633334	639000	Tune-up limit (dBm)	MPR	
30	QPSK	1	39	640500	633334	640500	Tune-up limit (dBm)	MPR	
20	QPSK	1	26	642000	633334	642000	Tune-up limit (dBm)	MPR	
15	QPSK	1	19	643500	633334	643500	Tune-up limit (dBm)	MPR	
10	QPSK	1	12	645000	633334	645000	Tune-up limit (dBm)	MPR	

Part27Q n77 HPUE Ant 7 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01	3500.01				
100	PI2 BPSK	1	1	24.21					
100	PI2 BPSK	1	137	24.19			25.5	0.0	
100	PI2 BPSK	1	271	24.24					
100	PI2 BPSK	135	0	23.83			25.0	0.5	
100	PI2 BPSK	135	69	24.20			25.5	0.0	
100	PI2 BPSK	135	138	23.85			25.0	0.5	
100	PI2 BPSK	270	0	23.79					
100	QPSK	1	1	24.31					
100	QPSK	1	137	24.20			25.5	0.0	
100	QPSK	1	271	24.14					
100	QPSK	135	0	23.38			24.5	1.0	
100	QPSK	135	69	24.19			25.5	0.0	
100	QPSK	135	138	23.24			24.5	1.0	
100	QPSK	270	0	23.57					
100	16QAM	1	1	23.28			24.5	1.0	
100	64QAM	1	1	21.81			23.0	2.5	
100	256QAM	1	1	19.72			21.0	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	25.5	0.0	
90	QPSK	1	123	24.16	24.26	24.13	25.5	0.0	
Channel				630688	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3502.02	25.5	0.0	
80	QPSK	1	109	24.15	24.19	24.24	25.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3500.02	25.5	0.0	
80	QPSK	1	81	24.22	24.17	24.19	25.5	0.0	
Channel				637668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	25.5	0.0	
50	QPSK	1	67	24.22	24.20	24.22	25.5	0.0	
Channel				6370.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	25.5	0.0	
40	QPSK	1	53	24.17	24.21	24.19	25.5	0.0	
Channel				636688	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3460	25.5	0.0	
20	QPSK	1	26	24.23	24.26	24.18	25.5	0.0	
Channel				630000	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	25.5	0.0	
15	QPSK	1	19	24.21	24.25	24.24	25.5	0.0	
Channel				635334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3500.01	3545.01	25.5	0.0	
10	QPSK	1	12	24.16	24.20	24.13	25.5	0.0	

Part270 n78 Ant 7 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1	20.94					
100	PI2 BPSK	1	137	20.84			22.5	0.0	
100	PI2 BPSK	1	271	20.92					
100	PI2 BPSK	135	0	20.82			22.0	0.5	
100	PI2 BPSK	135	69	20.84			22.5	0.0	
100	PI2 BPSK	135	138	20.55			22.0	0.5	
100	PI2 BPSK	270	0	20.57					
100	QPSK	1	1	21.03					
100	QPSK	1	137	20.88			22.5	0.0	
100	QPSK	1	271	20.80					
100	QPSK	135	0	20.16			21.5	1.0	
100	QPSK	135	69	20.94			22.5	0.0	
100	QPSK	135	138	19.92			21.5	1.0	
100	QPSK	270	0	20.16					
100	16QAM	1	1	20.00			20.5	1.0	
100	64QAM	1	1	18.49			20.0	2.5	
100	256QAM	1	1	16.46			18.0	4.5	
Channel				646688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	22.5	0.0	
90	QPSK	1	123	20.91	20.85	20.82	22.5	0.0	
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	22.5	0.0	
80	QPSK	1	109	20.88	20.88	20.84	22.5	0.0	
Channel				646000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	22.5	0.0	
70	QPSK	1	95	20.89	20.89	20.89	22.5	0.0	
Channel				645688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	22.5 <td colspan="2">0.0</td>	0.0	
60	QPSK	1	81	20.94	20.93	20.91	22.5	0.0	
Channel				645334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	22.5	0.0	
50	QPSK	1	67	20.90	20.84	20.85	22.5	0.0	
Channel				645000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.5	0.0	
40	QPSK	1	53	20.92	20.94	20.90	22.5	0.0	
Channel				644768	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	22.5	0.0	
30	QPSK	1	39	20.92	20.89	20.89	22.5	0.0	
Channel				644334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	22.5	0.0	
20	QPSK	1	26	20.94	20.87	20.89	22.5	0.0	
Channel				644168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	22.5	0.0	
15	QPSK	1	19	20.94	20.86	20.91	22.5	0.0	
Channel				644000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	22.5	0.0	
10	QPSK	1	12	20.95	20.93	20.95	22.5	0.0	

Part27O n78 HPUE Ant 7 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1	23.91			25.5	0.0	
100	Pi2 BPSK	1	137	23.77					
100	Pi2 BPSK	1	271	23.84					
100	Pi2 BPSK	135	0	23.49			25.0	0.5	
100	Pi2 BPSK	135	69	23.73			25.5	0.0	
100	Pi2 BPSK	135	138	23.46			25.0	0.5	
100	Pi2 BPSK	270	0	23.47					
100	QPSK	1	1	23.97					
100	QPSK	1	137	23.92			25.5	0.0	
100	QPSK	1	271	23.71					
100	QPSK	135	0	23.07			24.5	1.0	
100	QPSK	135	69	23.87			25.5	0.0	
100	QPSK	135	138	22.84			24.5	1.0	
100	QPSK	270	0	23.08					
100	16QAM	1	1	22.99			24.5	1.0	
100	64QAM	1	1	21.45			23.0	2.5	
100	256QAM	1	1	19.46			21.0	4.5	
Channel				646688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	22.5	0.0	
90	QPSK	1	123	23.83	23.91	23.85	25.5	0.0	
Channel				640334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	25.5	0.0	
80	QPSK	1	109	23.88	23.91	23.89	25.5	0.0	
Channel				640000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3750	3765.01	25.5	0.0	
70	QPSK	1	95	23.86	23.93	23.77	25.5	0.0	
Channel				640688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	25.5	0.0	
60	QPSK	1	81	23.91	23.93	23.71	25.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	25.5	0.0	
50	QPSK	1	67	23.84	23.91	23.80	25.5	0.0	
Channel				650000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	25.5	0.0	
40	QPSK	1	53	23.84	23.91	23.84	25.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	25.5	0.0	
30	QPSK	1	39	23.86	23.94	23.87	25.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	25.5	0.0	
20	QPSK	1	26	23.84	23.94	23.82	25.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	25.5	0.0	
15	QPSK	1	19	23.83	23.94	23.83	25.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	25.5	0.0	
10	QPSK	1	12	23.84	23.90	23.88	25.5	0.0	

Part27Q 78 Ant 7 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
				633334	3500.01		
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	21.20			
100	PQ2 BPSK	1	137	21.15		22.5	0.0
100	PQ2 BPSK	1	271	21.24			
100	PQ2 BPSK	135	0	20.78		22.5	0.5
100	PQ2 BPSK	135	69	21.16		22.5	0.0
100	PQ2 BPSK	135	138	20.84		22.0	0.5
100	PQ2 BPSK	270	0	20.89			
100	QPSK	1	1	21.35			
100	QPSK	1	137	21.30		22.5	0.0
100	QPSK	1	271	21.14			
100	QPSK	135	0	20.48		21.5	1.0
100	QPSK	135	69	21.29		22.5	0.0
100	QPSK	135	138	20.20		21.5	1.0
100	QPSK	270	0	20.45			
100	16QAM	1	1	20.32		21.5	1.0
100	64QAM	1	1	18.76		20.0	2.5
100	256QAM	1	1	18.73		18.0	4.5
Channel							
Frequency (MHz)				633334	3500.01	3505.02	
90	QPSK	1	123	21.16	21.20	21.09	22.5 0.0
Channel							
Frequency (MHz)				633068	633334	634000	Tune-up limit MPR
				3480.02	3500.01	3510	(dBm) (dB)
80	QPSK	1	109	21.18	21.19	21.14	22.5 0.0
Channel							
Frequency (MHz)				632334	633334	634334	Tune-up limit MPR
				3485.01	3500.01	3515.01	(dBm) (dB)
70	QPSK	1	96	21.21	21.10	21.07	22.5 0.0
Channel							
Frequency (MHz)				632000	633334	634668	Tune-up limit MPR
				3480	3500.01	3520.02	(dBm) (dB)
60	QPSK	1	81	21.18	21.10	21.16	22.5 0.0
Channel							
Frequency (MHz)				631668	633334	635000	Tune-up limit MPR
				3475.02	3500.01	3525	(dBm) (dB)
50	QPSK	1	67	21.17	21.12	21.16	22.5 0.0
Channel							
Frequency (MHz)				631334	633334	635334	Tune-up limit MPR
				3470.01	3500.01	3520.01	(dBm) (dB)
40	QPSK	1	53	21.24	21.16	21.11	22.5 0.0
Channel							
Frequency (MHz)				631000	633334	635668	Tune-up limit MPR
				3465	3500.01	3535.02	(dBm) (dB)
30	QPSK	1	39	21.24	21.10	21.08	22.5 0.0
Channel							
Frequency (MHz)				630500	633334	635900	Tune-up limit MPR
				3460.02	3500.01	3540	(dBm) (dB)
20	QPSK	1	26	21.26	21.12	21.10	22.5 0.0
Channel							
Frequency (MHz)				630000	633334	636168	Tune-up limit MPR
				3452.5	3500.01	3542.92	(dBm) (dB)
15	QPSK	1	19	21.15	21.09	21.14	22.5 0.0
Channel							
Frequency (MHz)				630334	633334	636334	Tune-up limit MPR
				3450.01	3500.01	3540.01	(dBm) (dB)
10	QPSK	1	12	21.26	21.10	21.13	22.5 0.0

Part27Q 78 HPUE Ant 7 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
				633334	3500.01		
Channel							
Frequency (MHz)							
100	PQ2 BPSK	1	1	24.19			
100	PQ2 BPSK	1	137	24.16		25.5	0.0
100	PQ2 BPSK	1	271	24.22			
100	PQ2 BPSK	135	0	23.79		25.0	0.5
100	PQ2 BPSK	135	69	24.18		25.5	0.0
100	PQ2 BPSK	135	138	23.78		25.0	0.5
100	PQ2 BPSK	270	0	23.89			
100	QPSK	1	1	24.39			
100	QPSK	1	137	24.34		25.5	0.0
100	QPSK	1	271	24.17			
100	QPSK	135	0	23.48		24.5	1.0
100	QPSK	135	69	24.25		25.5	0.0
100	QPSK	135	138	23.15		24.5	1.0
100	QPSK	270	0	23.45			
100	16QAM	1	1	23.27		24.5	1.0
100	64QAM	1	1	21.71		23.0	2.5
100	256QAM	1	1	19.72		21.0	4.5
Channel							
Frequency (MHz)				633000	633334	633668	Tune-up limit MPR
				3485	3500.01	3505.02	(dBm) (dB)
90	QPSK	1	123	24.15	24.20	24.05	25.5 0.0
Channel							
Frequency (MHz)				632668	633334	634000	Tune-up limit MPR
				3480.02	3500.01	3510	(dBm) (dB)
80	QPSK	1	109	24.15	24.17	24.14	25.5 0.0
Channel							
Frequency (MHz)				632334	633334	634334	Tune-up limit MPR
				3480.01	3500.01	3515.01	(dBm) (dB)
70	QPSK	1	96	24.10	24.15	24.05	25.5 0.0
Channel							
Frequency (MHz)				632000	633334	634668	Tune-up limit MPR
				3480	3500.01	3520.02	(dBm) (dB)
60	QPSK	1	81	24.18	24.16	24.15	25.5 0.0
Channel							
Frequency (MHz)				631668	633334	635000	Tune-up limit MPR
				3475.02	3500.01	3525	(dBm) (dB)
50	QPSK	1	67	24.20	24.26	24.14	25.5 0.0
Channel							
Frequency (MHz)				631334	633334	635334	Tune-up limit MPR
				3470.01	3500.01	3520.01	(dBm) (dB)
40	QPSK	1	53	24.16	24.17	24.08	25.5 0.0
Channel							
Frequency (MHz)				631000	633334	635668	Tune-up limit MPR
				3465	3500.01	3535.02	(dBm) (dB)
30	QPSK	1	39	24.10	24.22	24.09	25.5 0.0
Channel							
Frequency (MHz)				630500	633334	635900	Tune-up limit MPR
				3460.02	3500.01	3540	(dBm) (dB)
20	QPSK	1	26	24.21	24.19	24.10	25.5 0.0
Channel							
Frequency (MHz)				630000	633334	636168	Tune-up limit MPR
				3452.5	3500.01	3542.92	(dBm) (dB)
15	QPSK	1	19	24.18	24.15	24.12	25.5 0.0
Channel							
Frequency (MHz)				630334	633334	636334	Tune-up limit MPR
				3450.01	3500.01	3540.01	(dBm) (dB)
10	QPSK	1	12	24.12	24.20	24.07	25.5 0.0

n2 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1860	1880	1900	20.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.89	19.05	18.97		
20	PI2 BPSK	1	53	18.96	19.05	18.98		
20	PI2 BPSK	1	104	18.96	19.01	18.97	20.5	0.0
20	PI2 BPSK	50	0	18.94	19.07	19.01		
20	PI2 BPSK	50	28	18.92	19.01	18.94		
20	PI2 BPSK	50	56	18.97	19.06	18.93		
20	PI2 BPSK	100	0	18.98	19.02	18.91	20.5	0.0
20	QPSK	1	1	18.98	19.06	18.99		
20	QPSK	1	53	18.87	19.06	18.94		
20	QPSK	1	104	18.88	19.02	18.97		
20	QPSK	50	0	18.91	19.06	18.97	20.5	0.0
20	QPSK	50	28	18.90	19.06	18.95		
20	QPSK	50	56	18.97	19.04	18.95		
20	QPSK	100	0	18.94	19.01	18.90		
20	16QAM	1	1	18.93	19.07	18.90	20.5	0.0
20	64QAM	1	1	18.97	19.02	19.01		
20	256QAM	1	1	18.90	19.03	18.97		
Channel				1875.5	1890	1902.5		
Frequency (MHz)				1875.5	1890	1902.5	20.5	0.0
15	QPSK	1	1	18.91	19.07	18.86		
Channel				371000	376000	381000		
Frequency (MHz)				1900	1900	1900	20.5	0.0
10	QPSK	1	1	18.86	19.01	18.94		
Channel				370500	376000	381500		
Frequency (MHz)				1892.5	1890	1907.5		
5	QPSK	1	1	18.91	18.97	18.92	20.5	0.0

Reduced Power Mode for Main PA DSI4

n5 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				834	836.5	839	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.19	23.27	23.16		
20	PI2 BPSK	1	53	23.34	23.50	23.36		
20	PI2 BPSK	1	104	23.34	23.44	23.28	24.7	0.0
20	PI2 BPSK	50	0	23.48	23.55	23.48		
20	PI2 BPSK	50	28	23.36	23.42	23.29		
20	PI2 BPSK	50	56	23.50	23.53	23.46		
20	PI2 BPSK	100	0	23.53	23.56	23.48	24.7	0.0
20	QPSK	1	1	23.52	23.59	23.50		
20	QPSK	1	53	23.38	23.38	23.35		
20	QPSK	1	104	23.36	23.33	23.33		
20	QPSK	50	0	23.48	23.55	23.54	24.7	0.0
20	QPSK	50	28	23.44	23.52	23.54		
20	QPSK	50	56	23.06	23.11	23.09		
20	QPSK	100	0	23.55	23.58	23.52		
20	16QAM	1	1	23.10	23.22	23.18	24.7	0.0
20	64QAM	1	1	21.70	21.81	21.77		
20	256QAM	1	1	20.31	20.42	20.36		
Channel				165300	165300	165300		
Frequency (MHz)				831.5	836.5	841.5	24.7	0.0
15	QPSK	1	1	23.51	23.54	23.40		
Channel				165800	167300	168800		
Frequency (MHz)				830	836.5	844	24.7	0.0
10	QPSK	1	1	23.47	23.53	23.45		
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.44	23.53	23.42	24.7	0.0

n7 Ant 1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545	20.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	19.02	18.98	18.98		
50	PI2 BPSK	1	135	18.98	19.01	19.00		
50	PI2 BPSK	1	268	19.00	19.03	18.92	20.5	0.0
50	PI2 BPSK	135	0	19.04	19.04	19.00		
50	PI2 BPSK	135	68	19.01	18.98	18.98		
50	PI2 BPSK	135	135	18.98	19.05	18.98		
50	PI2 BPSK	270	0	18.99	19.02	18.99	20.5	0.0
50	QPSK	1	1	18.94	19.02	18.91		
50	QPSK	1	135	18.98	19.04	18.90		
50	QPSK	1	268	19.05	19.06	18.89		
50	QPSK	135	0	19.01	19.00	18.92	20.5	0.0
50	QPSK	135	68	19.01	18.99	18.95		
50	QPSK	135	135	19.02	19.03	18.97		
50	QPSK	270	0	18.95	19.00	18.90		
50	16QAM	1	1	18.95	18.98	18.98	20.5	0.0
50	64QAM	1	1	18.97	18.99	18.98		
50	256QAM	1	1	18.94	19.03	19.00		
Channel				502000	507000	510000		
Frequency (MHz)				2520	2535	2550	20.5	0.0
40	QPSK	1	1	19.04	19.05	18.79		
Channel				503000	507000	511000		
Frequency (MHz)				2535	2535	2550	20.5	0.0
30	QPSK	1	1	19.04	19.04	18.87		
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	20.5	0.0
25	QPSK	1	1	18.94	19.03	18.87		
Channel				502800	507000	512200		
Frequency (MHz)				2510	2535	2560	20.5	0.0
20	QPSK	1	1	18.93	18.96	18.78		
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0
15	QPSK	1	1	18.98	18.94	18.80		
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	20.5	0.0
10	QPSK	1	1	19.04	18.95	18.88		
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	20.5	0.0
5	QPSK	1	1	18.98	19.01	18.87		

n66 Ant 1 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	21.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	19.11	19.12	19.09	21.0	0.0	
40	PI/2 BPSK	1	108	19.19	19.11	19.04			
40	PI/2 BPSK	1	214	19.10	19.19	19.03			
40	PI/2 BPSK	108	0	19.11	19.18	19.04	21.0	0.0	
40	PI/2 BPSK	108	54	19.18	19.20	19.08	21.0	0.0	
40	PI/2 BPSK	108	108	19.11	19.12	19.11	21.0	0.0	
40	PI/2 BPSK	216	0	19.13	19.11	19.10			
40	QPSK	1	1	19.30	19.34	19.29			
40	QPSK	1	108	19.21	19.22	19.23	21.0	0.0	
40	QPSK	1	214	19.25	19.29	19.23			
40	QPSK	108	0	19.28	19.23	19.20		0.0	
40	QPSK	108	54	19.21	19.27	19.15	21.0	0.0	
40	QPSK	108	108	19.15	19.26	19.26	21.0	0.0	
40	QPSK	216	0	19.21	19.23	19.15			
40	16QAM	1	1	19.11	19.10	19.11	21.0	0.0	
40	64QAM	1	1	19.17	19.13	19.13	21.0	0.0	
40	256QAM	1	1	19.16	19.18	19.07	21.0	0.0	
Channel				345000	349000	353000	21.0	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.17	19.23	19.20	21.0	0.0	
Channel				344500	349000	353500	21.0	MPR (dB)	
Frequency (MHz)				1722.5	1745	1747.5			
25	QPSK	1	1	19.25	19.24	19.23	21.0	0.0	
Channel				344000	349000	354000	21.0	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.28	19.28	19.15	21.0	0.0	
Channel				343500	349000	354500	21.0	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.19	19.24	19.21	21.0	0.0	
Channel				343000	349000	355000	21.0	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.24	19.21	19.18	21.0	0.0	
Channel				342500	349000	355500	21.0	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.23	19.22	19.26	21.0	0.0	

n7 Ant 3 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	21.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.69	20.74	20.68	21.5	0.0
50	PI/2 BPSK	1	135	20.75	20.75	20.70		
50	PI/2 BPSK	1	268	20.72	20.82	20.67	21.5	0.0
50	PI/2 BPSK	135	0	20.70	20.74	20.68		
50	PI/2 BPSK	135	68	20.71	20.82	20.67	21.5	0.0
50	PI/2 BPSK	135	135	20.78	20.72	20.67		
50	PI/2 BPSK	270	0	20.76	20.79	20.65	21.5	0.0
50	QPSK	1	1	20.68	20.80	20.71		
50	QPSK	1	135	20.76	20.78	20.60	21.5	0.0
50	QPSK	1	268	20.80	20.85	20.74		
50	QPSK	135	0	20.71	20.78	20.68	21.5	0.0
50	QPSK	135	68	20.70	20.82	20.71		
50	QPSK	135	135	20.77	20.80	20.68	21.5	0.0
50	QPSK	270	0	20.75	20.79	20.64		
50	16QAM	1	1	20.72	20.72	20.70	21.5	0.0
50	64QAM	1	1	20.71	20.75	20.69		
50	256QAM	1	1	19.24	19.31	19.22	20.0	1.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.75	20.76	20.60	21.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.75	20.76	20.66	21.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.73	20.83	20.69	21.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.77	20.79	20.68	21.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.77	20.79	20.63	21.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.69	20.82	20.72	21.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.77	20.80	20.71	21.5	0.0

n2 Ant 4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	18.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PV2 BPSK	1	1	16.99	17.06	16.91	18.5	0.0
20	PV2 BPSK	1	53	16.91	17.05	16.84		
20	PV2 BPSK	1	104	16.93	16.99	16.92		
20	PV2 BPSK	50	0	16.94	17.05	16.85	18.5	0.0
20	PV2 BPSK	50	28	16.95	17.08	16.87	18.5	0.0
20	PV2 BPSK	50	56	16.87	17.06	16.89	18.5	0.0
20	PV2 BPSK	100	0	16.90	17.00	16.95	18.5	0.0
20	QPSK	1	1	16.99	17.10	16.96		
20	QPSK	1	53	16.93	17.09	16.87		
20	QPSK	1	104	16.90	17.01	16.89	18.5	0.0
20	QPSK	50	0	16.91	17.03	16.90		
20	QPSK	50	28	16.88	17.06	16.87		
20	QPSK	50	56	16.97	16.99	16.85	18.5	0.0
20	QPSK	100	0	16.92	17.04	16.85	18.5	0.0
20	16QAM	1	1	16.91	17.00	16.91		
20	64QAM	1	1	16.99	17.01	16.86		
20	256QAM	1	1	16.97	16.99	16.85	18.5	0.0
Channel				371500	376000	380500	18.5	0.0
Frequency (MHz)				1867.5	1880	1902.5		
15	QPSK	1	1	16.91	16.99	16.91	18.5	0.0
Channel				371000	376000	381000	18.5	0.0
Frequency (MHz)				1865	1880	1905		
10	QPSK	1	1	16.89	17.00	16.95	18.5	0.0
Channel				375500	376000	381500	18.5	0.0
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	1	16.91	17.00	16.92	18.5	0.0

n5 Ant 4 DSI 4

BW [MHz]	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	24.7	0.0
Frequency (MHz)				834	836.5	839		
20	PV2 BPSK	1	1	23.46	23.53	23.48	24.7	0.0
20	PV2 BPSK	1	53	23.44	23.58	23.44		
20	PV2 BPSK	1	104	23.51	23.57	23.42		
20	PV2 BPSK	50	0	23.46	23.55	23.43	24.7	0.0
20	PV2 BPSK	50	28	23.46	23.49	23.44	24.7	0.0
20	PV2 BPSK	50	56	23.48	23.51	23.40	24.7	0.0
20	PV2 BPSK	100	0	23.48	23.52	23.38	24.7	0.0
20	QPSK	1	1	23.57	23.61	23.51		
20	QPSK	1	53	23.48	23.51	23.39		
20	QPSK	1	104	23.43	23.54	23.41	24.7	0.0
20	QPSK	50	0	23.51	23.53	23.39		
20	QPSK	50	28	23.44	23.58	23.46		
20	QPSK	50	56	23.55	23.56	23.46	24.7	0.0
20	QPSK	100	0	23.54	23.54	23.46	24.7	0.0
20	16QAM	1	1	23.50	23.51	23.39		
20	64QAM	1	1	22.04	22.06	21.97		
20	256QAM	1	1	20.06	20.13	20.05	21.2	3.5
Channel				166300	167300	167800	24.7	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.46	23.55	23.41	24.7	0.0
Channel				166800	167300	168800	24.7	0.0
Frequency (MHz)				820	836.5	844		
10	QPSK	1	1	23.52	23.57	23.42	24.7	0.0
Channel				166300	167300	169300	24.7	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.47	23.56	23.40	24.7	0.0

n7 Ant 4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509200	509500	509800	19.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PV2 BPSK	1	1	17.48	17.47	17.46	19.0	0.0
50	PV2 BPSK	1	135	17.51	17.51	17.43		
50	PV2 BPSK	1	268	17.53	17.52	17.40		
50	PV2 BPSK	135	0	17.48	17.52	17.50	19.0	0.0
50	PV2 BPSK	135	68	17.49	17.54	17.47	19.0	0.0
50	PV2 BPSK	135	135	17.46	17.54	17.50	19.0	0.0
50	PV2 BPSK	270	0	17.47	17.53	17.48	19.0	0.0
50	QPSK	1	1	17.42	17.52	17.46		
50	QPSK	1	135	17.49	17.53	17.49		
50	QPSK	1	268	17.51	17.58	17.50	19.0	0.0
50	QPSK	135	0	17.49	17.48	17.44		
50	QPSK	135	68	17.50	17.51	17.48		
50	QPSK	135	135	17.48	17.50	17.44	19.0	0.0
50	QPSK	270	0	17.47	17.54	17.43	19.0	0.0
50	16QAM	1	1	17.43	17.52	17.47		
50	64QAM	1	1	17.46	17.50	17.43		
50	256QAM	1	1	17.52	17.47	17.45	19.0	0.0
Channel				509200	509500	510000	19.0	0.0
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.49	17.57	17.47	19.0	0.0
Channel				509000	509500	511000	19.0	0.0
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.49	17.54	17.39	19.0	0.0
Channel				509200	509500	511500	19.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.40	17.57	17.45	19.0	0.0
Channel				509200	509500	512000	19.0	0.0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.49	17.51	17.38	19.0	0.0
Channel				501600	509500	512500	19.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.42	17.55	17.41	19.0	0.0
Channel				501000	509500	513000	19.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.48	17.54	17.44	19.0	0.0
Channel				500600	509500	513500	19.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.45	17.57	17.39	19.0	0.0

n38 Ant 1 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	21.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.38	19.39	19.29	21.0	0.0	
40	PI/2 BPSK	1	53	19.38	19.34	19.30			
40	PI/2 BPSK	1	104	19.31	19.38	19.31	21.0	0.0	
40	PI/2 BPSK	50	0	19.36	19.34	19.23			
40	PI/2 BPSK	50	28	19.39	19.38	19.28	21.0	0.0	
40	PI/2 BPSK	50	56	19.28	19.28	19.24			
40	PI/2 BPSK	100	0	19.29	19.38	19.28	21.0	0.0	
40	QPSK	1	1	19.44	19.49	19.40			
40	QPSK	1	53	19.31	19.46	19.36	21.0	0.0	
40	QPSK	1	104	19.41	19.41	19.29			
40	QPSK	50	0	19.36	19.29	19.23	21.0	0.0	
40	QPSK	50	28	19.37	19.45	19.37			
40	QPSK	50	56	19.34	19.30	19.30	21.0	0.0	
40	QPSK	100	0	19.41	19.42	19.35			
40	16QAM	1	1	19.28	19.28	19.31	21.0	0.0	
40	64QAM	1	1	19.29	19.32	19.31			
40	256QAM	1	1	18.95	18.92	18.88	20.5	0.5	
Channel				517002	519000	520998	21.0	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.37	19.45	19.32	21.0	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48	21.0	0.0	
25	QPSK	1	1	19.30	19.41	19.32		0.0	
Channel				516000	519000	522000	21.0	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.34	19.44	19.30	21.0	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49	21.0	0.0	
15	QPSK	1	1	19.41	19.47	19.35		0.0	
Channel				515004	519000	522996	21.0	0.0	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.41	19.39	19.27	21.0	0.0	

n41 Ant 1 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.43	19.49	19.32	21.0	0.0	
100	PI/2 BPSK	1	137	19.47	19.44	19.37			
100	PI/2 BPSK	1	271	19.36	19.46	19.33	21.0	0.0	
100	PI/2 BPSK	135	0	19.38	19.43	19.26			
100	PI/2 BPSK	135	69	19.44	19.38	19.35	21.0	0.0	
100	PI/2 BPSK	135	138	19.38	19.34	19.33			
100	PI/2 BPSK	270	0	19.31	19.46	19.28	21.0	0.0	
100	QPSK	1	1	19.50	19.55	19.48			
100	QPSK	1	137	19.31	19.50	19.42	21.0	0.0	
100	QPSK	1	271	19.47	19.47	19.33			
100	QPSK	135	0	19.36	19.30	19.32	21.0	0.0	
100	QPSK	135	69	19.47	19.54	19.47			
100	QPSK	135	138	19.41	19.36	19.37	21.0	0.0	
100	QPSK	270	0	19.51	19.52	19.37			
100	16QAM	1	1	19.33	19.38	19.33	21.0	0.0	
100	64QAM	1	1	19.33	19.41	19.37			
100	256QAM	1	1	18.95	18.97	18.90	20.5	0.5	
Channel				508200	518598	528996	21.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	19.37	19.49	19.39	21.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99	21.0	0.0	
80	QPSK	1	1	19.43	19.42	19.37		0.0	
Channel				505200	518598	531996	21.0	0.0	
Frequency (MHz)				2536	2592.99	2639.98			
60	QPSK	1	1	19.38	19.48	19.45	21.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	21.0	0.0	
50	QPSK	1	1	19.38	19.46	19.43		0.0	
Channel				503202	518598	534000	21.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.40	19.42	19.34	21.0	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98	21.0	0.0	
30	QPSK	1	1	19.41	19.44	19.37		0.0	
Channel				501204	518598	535998	21.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.47	19.43	19.42	21.0	0.0	
Channel				500700	518598	536496			
Frequency (MHz)				2503.5	2592.99	2682.48	21.0	0.0	
15	QPSK	1	1	19.46	19.53	19.40		0.0	
Channel				500202	518598	537000	21.0	0.0	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.48	19.51	19.40	21.0	0.0	

n48 Ant 2 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	18.15	18.16	18.13	19.5	0.0
40	PI2 BPSK	1	53	18.14	18.22	18.13		
40	PI2 BPSK	1	104	18.13	18.21	18.18		
40	PI2 BPSK	50	0	18.16	18.20	18.17	19.5	0.0
40	PI2 BPSK	50	28	18.15	18.18	18.14	19.5	0.0
40	PI2 BPSK	50	56	18.12	18.22	18.19	19.5	0.0
40	PI2 BPSK	100	0	18.18	18.18	18.15	19.5	0.0
40	QPSK	1	1	18.19	18.26	18.22		
40	QPSK	1	53	18.17	18.19	18.11		
40	QPSK	1	104	18.19	18.21	18.15	18.5	1.0
40	QPSK	50	0	18.22	18.23	18.20		
40	QPSK	50	28	18.16	18.24	18.19		
40	QPSK	50	56	18.20	18.22	18.20	18.5	1.0
40	QPSK	100	0	18.20	18.27	18.15		
40	16QAM	1	1	18.22	18.16	18.14		
40	64QAM	1	1	16.73	16.73	16.69	18.0	1.5
40	256QAM	1	1	14.63	14.73	14.68	16.0	3.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.19	18.20	18.13	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.12	18.17	18.20	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.16	18.19	18.11	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.17	18.16	18.12	19.5	0.0

Par270 n77 PC2&3 Ant 2 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.44	17.55	17.49	19.0	0.0
100	PI2 BPSK	1	137	17.43	17.49	17.42		
100	PI2 BPSK	1	271	17.46	17.50	17.42		
100	PI2 BPSK	135	0	17.43	17.53	17.49	19.0	0.0
100	PI2 BPSK	135	69	17.48	17.55	17.52	19.0	0.0
100	PI2 BPSK	135	138	17.42	17.53	17.43	19.0	0.0
100	PI2 BPSK	270	0	17.39	17.52	17.43	19.0	0.0
100	QPSK	1	1	17.46	17.56	17.46		
100	QPSK	1	137	17.42	17.52	17.48		
100	QPSK	1	271	17.45	17.51	17.45	18.0	1.0
100	QPSK	135	0	17.45	17.52	17.44		
100	QPSK	135	69	17.46	17.55	17.45		
100	QPSK	135	138	17.45	17.53	17.46	18.0	1.0
100	QPSK	270	0	17.41	17.53	17.44		
100	16QAM	1	1	17.49	17.52	17.47	19.0	0.0
100	64QAM	1	1	17.44	17.49	17.47	19.0	0.0
100	256QAM	1	1	16.51	16.45	16.37	18.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	123	17.42	17.54	17.38	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109	17.40	17.52	17.37	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	17.38	17.50	17.44	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	17.37	17.52	17.43	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	17.44	17.54	17.35	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	17.43	17.55	17.44	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19	17.37	17.54	17.42	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12	17.47	17.53	17.36	19.0	0.0

Par270Q n77 PC2&3 Ant 2 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1			3500.01	19.0	0.0
100	PI2 BPSK	1	137			17.71		
100	PI2 BPSK	1	271			17.65		
100	PI2 BPSK	135	0			17.67	19.0	0.0
100	PI2 BPSK	135	69			17.67	19.0	0.0
100	PI2 BPSK	135	138			17.68	19.0	0.0
100	PI2 BPSK	270	0			17.65	19.0	0.0
100	QPSK	1	1			17.74		
100	QPSK	1	137			17.71		
100	QPSK	1	271			17.63	18.0	1.0
100	QPSK	135	0			17.65		
100	QPSK	135	69			17.73		
100	QPSK	135	138			17.63	18.0	1.0
100	QPSK	270	0			17.72		
100	16QAM	1	1			17.71	19.0	0.0
100	64QAM	1	1			17.72	19.0	0.0
100	256QAM	1	1			16.73	18.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	123			3330.02	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	109			3496.02	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81			3480.02	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67			3500.01	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53			3470.01	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26			3480.02	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	19			3472.02	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	12			3455.01	19.0	0.0

Par27O n78 PC2&3 Ant 2 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				850000	850000	850000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		18.03			19.5	0.0
100	PI2 BPSK	1	137		18.15				
100	PI2 BPSK	1	271		18.02				
100	PI2 BPSK	135	0		18.08				
100	PI2 BPSK	135	69		18.03			19.5	0.0
100	PI2 BPSK	135	138		18.04			19.5	0.0
100	PI2 BPSK	270	0		18.07				
100	QPSK	1	1		18.18			19.5	0.0
100	QPSK	1	137		18.10				
100	QPSK	1	271		18.03				
100	QPSK	135	0		18.02				
100	QPSK	135	69		18.17			18.5	0.0
100	QPSK	135	138		18.01			18.5	1.0
100	QPSK	270	0		18.03				
100	16QAM	1	1		18.09			19.5	0.0
100	64QAM	1	1		18.06			19.5	0.0
100	256QAM	1	1		17.15			18.0	1.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	17.94	17.91	17.82	19.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	17.92	17.97	17.78	19.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	17.84	17.92	17.81	19.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	17.95	17.90	17.81	19.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	17.88	17.90	17.73	19.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	17.92	17.94	17.85	19.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	39	17.87	17.87	17.75	19.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3750.02			
20	QPSK	1	26	17.85	17.91	17.73	19.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.53	3750	3729.51			
15	QPSK	1	19	17.88	17.93	17.84	19.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	17.96	17.89	17.81	19.5	0.0	

Par27Q n78 PC2&3 Ant 2 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		18.07			19.5	0.0
100	PI2 BPSK	1	137		18.22				
100	PI2 BPSK	1	271		18.16				
100	PI2 BPSK	135	0		18.20				
100	PI2 BPSK	135	69		18.12			19.5	0.0
100	PI2 BPSK	135	138		18.13			19.5	0.0
100	PI2 BPSK	270	0		18.16				
100	QPSK	1	1		18.26			19.5	0.0
100	QPSK	1	137		18.23				
100	QPSK	1	271		18.14				
100	QPSK	135	0		18.13				
100	QPSK	135	69		18.20			19.5	0.0
100	QPSK	135	138		18.08			18.5	1.0
100	QPSK	270	0		18.13				
100	16QAM	1	1		18.19			19.5	0.0
100	64QAM	1	1		18.17			19.5	0.0
100	256QAM	1	1		17.27			18.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	18.04	17.97	17.90	19.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	17.99	17.90	17.91	19.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	18.01	17.94	17.84	19.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	18.01	17.96	17.86	19.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	17.97	17.96	17.82	19.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	17.98	18.01	17.86	19.5	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3533.02			
30	QPSK	1	39	18.02	17.97	17.93	19.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	18.00	17.95	17.93	19.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	18.02	17.94	17.85	19.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	17.99	18.03	17.91	19.5	0.0	

n38 Ant 3 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.69	20.74	20.64	
40	PI2 BPSK	1	53	20.69	20.68	20.68	21.5
40	PI2 BPSK	1	104	20.67	20.68	20.63	
40	PI2 BPSK	50	0	20.82	20.73	20.62	21.5
40	PI2 BPSK	50	28	20.86	20.76	20.63	21.5
40	PI2 BPSK	50	56	20.70	20.74	20.72	21.5
40	PI2 BPSK	100	0	20.59	20.73	20.63	
40	QPSK	1	1	20.72	20.80	20.74	
40	QPSK	1	53	20.85	20.72	20.70	21.5
40	QPSK	1	104	20.84	20.69	20.70	
40	QPSK	50	0	20.58	20.70	20.65	21.5
40	QPSK	50	28	20.89	20.76	20.61	21.5
40	QPSK	50	56	20.85	20.70	20.68	21.5
40	QPSK	100	0	20.81	20.73	20.71	21.5
40	16QAM	1	1	20.82	20.66	20.67	21.5
40	64QAM	1	1	20.70	20.71	20.69	21.5
40	256QAM	1	1	19.17	19.33	19.21	20.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.69	20.70	20.71	21.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.59	20.72	20.68	21.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.69	20.71	20.61	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.65	20.70	20.65	21.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.68	20.69	20.70	21.5

n41 Ant 3 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	20.76	20.74	20.69	
100	PI2 BPSK	1	137	20.81	20.73	20.68	21.5
100	PI2 BPSK	1	271	20.77	20.75	20.67	
100	PI2 BPSK	135	0	20.71	20.79	20.64	21.5
100	PI2 BPSK	135	69	20.68	20.87	20.65	21.5
100	PI2 BPSK	135	138	20.71	20.77	20.74	21.5
100	PI2 BPSK	270	0	20.63	20.83	20.69	
100	QPSK	1	1	20.74	20.89	20.81	
100	QPSK	1	107	20.74	20.82	20.75	21.5
100	QPSK	1	271	20.68	20.75	20.74	
100	QPSK	135	0	20.59	20.75	20.73	21.5
100	QPSK	135	69	20.81	20.82	20.71	21.5
100	QPSK	135	138	20.73	20.72	20.71	21.5
100	QPSK	270	0	20.64	20.75	20.74	21.5
100	16QAM	1	1	20.68	20.74	20.71	21.5
100	64QAM	1	1	20.71	20.79	20.77	21.5
100	256QAM	1	1	19.28	19.40	19.28	20.0
Channel							
Frequency (MHz)							
90	QPSK	1	123	20.78	20.71	20.80	21.5
Channel							
Frequency (MHz)							
80	QPSK	1	109	20.74	20.77	20.83	21.5
Channel							
Frequency (MHz)							
60	QPSK	1	81	20.68	20.74	20.73	21.5
Channel							
Frequency (MHz)							
50	QPSK	1	67	20.75	20.78	20.76	21.5
Channel							
Frequency (MHz)							
40	QPSK	1	53	20.69	20.81	20.71	21.5
Channel							
Frequency (MHz)							
30	QPSK	1	39	20.75	20.79	20.76	21.5
Channel							
Frequency (MHz)							
20	QPSK	1	26	20.74	20.76	20.80	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	19	20.78	20.75	20.77	21.5
Channel							
Frequency (MHz)							
10	QPSK	1	12	20.74	20.76	20.71	21.5

n48 Ant 3 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel							
Frequency (MHz)							
40	PI2 BPSK	1	1	20.41	20.42	20.43	
40	PI2 BPSK	1	53	20.44	20.47	20.46	22.0
40	PI2 BPSK	1	104	20.35	20.48	20.39	
40	PI2 BPSK	50	0	19.93	20.07	20.00	21.5
40	PI2 BPSK	50	28	20.46	20.44	20.47	22.0
40	PI2 BPSK	50	56	19.97	20.09	20.06	21.5
40	PI2 BPSK	100	0	19.98	20.04	20.07	
40	QPSK	1	1	20.48	20.55	20.52	
40	QPSK	1	53	20.40	20.44	20.48	22.0
40	QPSK	1	104	20.45	20.51	20.47	
40	QPSK	50	0	19.97	20.07	19.97	22.0
40	QPSK	50	28	20.40	20.50	20.46	22.0
40	QPSK	50	56	19.98	20.06	20.05	22.0
40	QPSK	100	0	19.93	20.05	19.95	
40	16QAM	1	1	19.95	20.06	20.02	21.0
40	64QAM	1	1	17.98	18.10	18.05	19.5
40	256QAM	1	1	15.98	16.11	16.00	17.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.36	20.51	20.48	22.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.41	20.48	20.43	22.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.43	20.47	20.41	22.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.41	20.48	20.39	22.0

Par270 n77 Ant 3 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.42	18.47	18.41		20.0	0.0
100	PI2 BPSK	1	137	18.44	18.43	18.48			
100	PI2 BPSK	1	271	18.47	18.51	18.44			
100	PI2 BPSK	135	0	18.10	18.08	18.00	19.5	0.5	0.0
100	PI2 BPSK	135	69	18.47	18.50	18.42	20.0		
100	PI2 BPSK	135	138	18.03	18.13	17.97	19.5		
100	PI2 BPSK	270	0	18.09	18.07	18.06		0.5	0.0
100	QPSK	1	1	18.55	18.59	18.52			
100	QPSK	1	137	18.44	18.50	18.47	20.0		
100	QPSK	1	271	18.42	18.47	18.40		1.0	0.0
100	QPSK	135	0	17.54	17.54	17.51	19.0		
100	QPSK	135	69	18.44	18.57	18.44	20.0		
100	QPSK	135	138	17.52	17.59	17.54	19.0	1.0	0.0
100	QPSK	270	0	17.57	17.63	17.54	19.0		
100	16QAM	1	1	17.57	17.55	17.54	19.0		
100	64QAM	1	1	16.02	16.10	16.03	17.5	2.5	0.0
100	256QAM	1	1	14.02	14.00	14.00	15.5		
Channel				650000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	18.45	18.52	18.39	20.0	0.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	18.47	18.53	18.50	20.0	0.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3735.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	18.42	18.54	18.48	20.0	0.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3965.02	(dBm)	(dB)	
50	QPSK	1	67	18.48	18.48	18.43	20.0	0.0	0.0
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	18.50	18.51	18.48	20.0	0.0	0.0
Channel				647334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	18.45	18.50	18.48	20.0	0.0	0.0
Channel				647168	650000	650834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	18.46	18.49	18.39	20.0	0.0	0.0
Channel				647000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	18.49	18.47	18.48	20.0	0.0	0.0
Channel									
Frequency (MHz)									

Par270 n77 HPUE Ant 3 DSI 4									
BW [MHz]	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	20.03	20.06	20.03	21.5	0.0	0.0
100	PI2 BPSK	1	137	20.04	20.11	20.09			
100	PI2 BPSK	1	271	20.11	20.13	20.06			
100	PI2 BPSK	135	0	20.05	20.14	20.09	21.5	0.0	0.0
100	PI2 BPSK	135	69	20.02	20.14	20.05			
100	PI2 BPSK	135	138	20.05	20.15	20.03			
100	PI2 BPSK	270	0	20.09	20.14	20.04	21.5	0.0	0.0
100	QPSK	1	1	20.10	20.16	20.10			
100	QPSK	1	137	20.10	20.11	20.09			
100	QPSK	1	271	20.06	20.10	20.01	20.5	1.0	0.0
100	QPSK	135	0	20.09	20.14	20.08			
100	QPSK	135	69	20.06	20.07	20.03			
100	QPSK	135	138	20.09	20.10	20.06	20.5	1.0	0.0
100	QPSK	270	0	20.06	20.11	20.06			
100	16QAM	1	1	20.10	20.13	20.07			
100	64QAM	1	1	19.06	19.08	19.01	20.5	1.0	0.0
100	256QAM	1	1	17.04	17.06	17.02			
Channel				649658	650000	650234	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	20.03	20.10	20.05	21.5	0.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	20.09	20.14	20.03	21.5	0.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3735.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	20.07	20.10	20.08	21.5	0.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3730.01	3840	3960.02	(dBm)	(dB)	
50	QPSK	1	67	20.02	20.13	20.02	21.5	0.0	0.0
Channel				648000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	20.03	20.14	19.98	21.5	0.0	0.0
Channel				647334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	20.03	20.13	20.09	21.5	0.0	0.0
Channel				647168	650000	650834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	20.02	20.11	20.08	21.5	0.0	0.0
Channel				647000	650000	650000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	20.03	20.15	20.00	21.5	0.0	0.0
Channel							Tune-up limit	MPR	
Frequency (MHz)							(dBm)	(dB)	

Part27Q n77 Ant 3 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000	63334				
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	18.82				20.0	0.0
100	PI2 BPSK	1	137	18.42					
100	PI2 BPSK	1	271	18.80					
100	PI2 BPSK	135	0	18.42			19.5	0.5	0.0
100	PI2 BPSK	135	69	18.78			20.0		
100	PI2 BPSK	135	138	18.44			19.5		
100	PI2 BPSK	270	0	18.31				0.5	0.0
100	QPSK	1	1	18.89					
100	QPSK	1	137	18.49			20.0		
100	QPSK	1	271	18.77				1.0	0.0
100	QPSK	135	0	17.90			19.0		
100	QPSK	135	69	18.87			20.0		
100	QPSK	135	138	17.91			19.0	1.0	0.0
100	QPSK	270	0	17.97			19.0		
100	16QAM	1	1	17.90			19.0		
100	64QAM	1	1	16.42			17.5	2.5	0.0
100	256QAM	1	1	14.40			15.5		
Channel				63000	63334	63668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	123	18.78	18.82	18.68	20.0	0.0	0.0
Channel				630968	63334	63600	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)	
80	QPSK	1	109	18.71	18.80	18.74	20.0	0.0	0.0
Channel				630000	63334	636068	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	18.72	18.79	18.69	20.0	0.0	0.0
Channel				631968	63334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525.01	(dBm)	(dB)	
50	QPSK	1	67	18.76	18.81	18.74	20.0	0.0	0.0
Channel				631334	63334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	18.77	18.80	18.73	20.0	0.0	0.0
Channel				630668	63334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	18.74	18.79	18.69	20.0	0.0	0.0
Channel				630000	63334	636000	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	18.70	18.82	18.68	20.0	0.0	0.0
Channel				630334	63334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12	18.70	18.83	18.71	20.0	0.0	0.0

Part27Q n77 HPUE Ant 3 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01			21.5	0.0	
100	PI2 BPSK	1	1	20.42					
100	PI2 BPSK	1	137	20.46					
100	PI2 BPSK	1	271	20.46					
100	PI2 BPSK	135	0	20.39			21.5	0.0	
100	PI2 BPSK	135	69	20.41			21.5	0.0	
100	PI2 BPSK	135	138	20.45			21.5	0.0	
100	PI2 BPSK	270	0	20.40			21.5	0.0	
100	QPSK	1	1	20.52			21.5	0.0	
100	QPSK	1	137	20.50					
100	QPSK	1	271	20.43					
100	QPSK	135	0	20.46					
100	QPSK	135	69	20.50			21.5	0.0	
100	QPSK	135	138	20.45			20.5	1.0	
100	QPSK	270	0	20.46			20.5	1.0	
100	16QAM	1	1	20.41			21.5	0.0	
100	64QAM	1	1	19.43			20.5	1.0	
100	256QAM	1	1	17.43			18.5	3.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	21.5	0.0	
90	QPSK	1	123	20.17	20.24	20.04	21.5	0.0	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3510.02	21.5	0.0	
80	QPSK	1	109	20.25	20.26	20.12	21.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02	21.5	0.0	
60	QPSK	1	81	20.15	20.21	20.08	21.5	0.0	
Channel				637668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3476.02	3500.01	3525	21.5	0.0	
50	QPSK	1	67	20.15	20.22	20.07	21.5	0.0	
Channel				6370.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	21.5	0.0	
40	QPSK	1	53	20.22	20.28	20.08	21.5	0.0	
Channel				636668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469.02	3500.01	3460	21.5	0.0	
20	QPSK	1	26	20.19	20.22	20.12	21.5	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	21.5	0.0	
15	QPSK	1	19	20.15	20.28	20.08	21.5	0.0	
Channel				635334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3458.01	3500.01	3545.01	21.5	0.0	
10	QPSK	1	12	20.14	20.23	20.10	21.5	0.0	

Part270 n78 Ant 3 DSI 4									
BW (MHz)	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	18.57			20.0	0.0	
100	Pi2 BPSK	1	137	18.55					
100	Pi2 BPSK	1	271	18.58					
100	Pi2 BPSK	135	0	18.09			19.5	0.5	
100	Pi2 BPSK	135	69	18.59			20.0	0.0	
100	Pi2 BPSK	135	138	18.22			19.5	0.5	
100	Pi2 BPSK	270	0	18.17			20.0	0.0	
100	QPSK	1	1	18.05					
100	QPSK	1	137	18.59			20.0	0.0	
100	QPSK	1	271	18.56					
100	QPSK	135	0	17.57			19.0	1.0	
100	QPSK	135	69	18.60			20.0	0.0	
100	QPSK	135	138	17.60			19.0	1.0	
100	QPSK	270	0	17.66			19.0	1.0	
100	16QAM	1	1	17.58			17.5	2.5	
100	64QAM	1	1	16.15			15.5	4.5	
100	256QAM	1	1	14.14			13.4	8.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	20.0	0.0	
90	QPSK	1	123	18.53	18.43		20.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.0	0.0	
80	QPSK	1	109	18.47	18.55	18.43	20.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.0	0.0	
70	QPSK	1	95	18.50	18.59	18.48	20.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.0	0.0	
60	QPSK	1	81	18.46	18.52	18.50	20.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0	
50	QPSK	1	67	18.46	18.57	18.39	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	QPSK	1	53	18.48	18.63	18.47	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	20.0	0.0	
30	QPSK	1	39	18.35	18.54	18.42	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.0	0.0	
20	QPSK	1	26	18.48	18.63	18.42	20.0	0.0	
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	20.0	0.0	
15	QPSK	1	19	18.50	18.58	18.49	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.0	0.0	
10	QPSK	1	12	18.50	18.55	18.46	20.0	0.0	

Part270 n78 HPUE Ant 3 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		20.12		21.5	0.0	
100	Pi2 BPSK	1	137		20.13				
100	Pi2 BPSK	1	271		20.16				
100	Pi2 BPSK	135	0		20.20		21.5	0.0	
100	Pi2 BPSK	135	69		20.10		21.5	0.0	
100	Pi2 BPSK	135	138		20.23		21.5	0.0	
100	Pi2 BPSK	270	0		20.08		21.5	0.0	
100	QPSK	1	1		20.26				
100	QPSK	1	137		20.16		21.5	0.0	
100	QPSK	1	271		20.20		21.5	0.0	
100	QPSK	135	0		20.15		21.5	0.0	
100	QPSK	135	69		20.23		21.5	0.0	
100	QPSK	135	138		20.17		21.5	0.0	
100	QPSK	270	0		20.12		20.5	1.0	
100	16QAM	1	1		20.04		20.5	1.0	
100	16QAM	1	1		20.07		20.5	1.0	
100	256QAM	1	1		17.05		18.5	3.0	
Channel									
Frequency (MHz)				646668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20.12	20.12	20.07	21.5	0.0	
90	QPSK	1	123		3750	3785.01			
Channel									
Frequency (MHz)				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3760.01	3750	3760.02	21.5	0.0	
80	QPSK	1	109		20.13	20.16	20.11	21.5	0.0
Channel									
Frequency (MHz)				648334	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3750	3750	3765	21.5	0.0	
70	QPSK	1	95		20.20	20.14	20.05	21.5	0.0
Channel									
Frequency (MHz)				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3780.05	3750	3760.01	21.5	0.0	
60	QPSK	1	81		20.21	20.13	20.12	21.5	0.0
Channel									
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.5	0.0	
50	QPSK	1	67		20.21	20.06	20.15	21.5	0.0
Channel									
Frequency (MHz)				645000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760	21.5	0.0	
40	QPSK	1	53		20.20	19.13	20.06	21.5	0.0
Channel									
Frequency (MHz)				3315.09	3750	3768.01	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39		20.15	20.08	20.09	21.5	0.0
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.17	3750	3790.02	21.5	0.0	
20	QPSK	1	26		20.11	20.10	20.13	21.5	0.0
Channel									
Frequency (MHz)				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	21.5	0.0	
15	QPSK	1	19		20.08	20.09	20.11	21.5	0.0
Channel									
Frequency (MHz)				645000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.5	0.0	
10	QPSK	1	12		20.17	20.10	20.04	21.5	0.0

Part27Q 78 Ant 3 DSI 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3000.01		
Frequency (MHz)				18.90				
100	PQ2 BPSK	1	1	18.96			20.0	0.0
100	PQ2 BPSK	1	137	18.96				
100	PQ2 BPSK	1	271	18.98				
100	PQ2 BPSK	135	0	18.60			19.5	0.5
100	PQ2 BPSK	135	69	18.69			20.0	0.0
100	PQ2 BPSK	135	138	18.55			19.5	0.5
100	PQ2 BPSK	270	0	18.37			20.0	0.0
100	QPSK	1	1	19.06				
100	QPSK	1	137	18.93				
100	QPSK	1	271	18.87			19.0	1.0
100	QPSK	135	0	17.88				
100	QPSK	135	69	19.04			20.0	0.0
100	QPSK	135	138	18.54			19.0	1.0
100	QPSK	270	0	18.10			17.5	2.5
100	16QAM	1	1	18.07				
100	64QAM	1	1	18.56				
100	256QAM	1	1	14.37			15.5	4.5
Channel				633300	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3000.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	18.88	18.95	18.84	20.0	0.0
Channel				632068	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3000.01	3510	(dBm)	(dB)
80	QPSK	1	109	18.85	18.93	18.85	20.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3000.01	3515.01	(dBm)	(dB)
70	QPSK	1	96	18.86	18.94	18.82	20.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3000.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	18.88	18.88	18.77	20.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3000.01	3525	(dBm)	(dB)
50	QPSK	1	67	18.95	18.95	18.85	20.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	18.87	18.94	18.83	20.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	18.92	18.89	18.82	20.0	0.0
Channel				630668	633334	635900	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3540	(dBm)	(dB)
20	QPSK	1	25	18.94	19.00	18.76	20.0	0.0
Channel				630334	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.5	3000.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	18.89	18.89	18.79	20.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3450.01	3000.01	3543.01	(dBm)	(dB)
10	QPSK	1	12	18.85	18.95	18.82	20.0	0.0

Part27Q 78 HPUE Ant 3 DSI 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3000.01		
Frequency (MHz)				20.38				
100	PQ2 BPSK	1	1	20.50			21.5	0.0
100	PQ2 BPSK	1	137	20.50				
100	PQ2 BPSK	1	271	20.34				
100	PQ2 BPSK	135	0	20.37			21.5	0.0
100	PQ2 BPSK	135	69	20.42			21.5	0.0
100	PQ2 BPSK	135	138	20.43			21.5	0.0
100	PQ2 BPSK	270	0	20.48			21.5	0.0
100	QPSK	1	1	20.56				
100	QPSK	1	137	20.47				
100	QPSK	1	271	20.41			20.5	1.0
100	QPSK	135	0	20.44				
100	QPSK	135	69	20.46			21.5	0.0
100	QPSK	135	138	20.34			20.5	1.0
100	QPSK	270	0	20.35			21.5	0.0
100	16QAM	1	1	20.51				
100	64QAM	1	1	18.47				
100	256QAM	1	1	17.42			18.5	3.0
Channel				633300	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3000.01	3505.02	(dBm)	(dB)
90	QPSK	1	123	20.45	20.43	20.44	21.5	0.0
Channel				632068	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3000.01	3510	(dBm)	(dB)
80	QPSK	1	109	20.41	20.45	20.51	21.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3000.01	3515.01	(dBm)	(dB)
70	QPSK	1	96	20.43	20.39	20.47	21.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3000.01	3520.02	(dBm)	(dB)
60	QPSK	1	81	20.43	20.45	20.47	21.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3000.01	3525	(dBm)	(dB)
50	QPSK	1	67	20.49	20.44	20.50	21.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3000.01	3530.01	(dBm)	(dB)
40	QPSK	1	53	20.45	20.44	20.45	21.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3535.02	(dBm)	(dB)
30	QPSK	1	39	20.48	20.48	20.45	21.5	0.0
Channel				630668	633334	635900	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3540	(dBm)	(dB)
20	QPSK	1	25	20.48	20.39	20.40	21.5	0.0
Channel				630334	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.5	3000.01	3542.52	(dBm)	(dB)
15	QPSK	1	19	20.48	20.48	20.44	21.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3450.01	3000.01	3543.01	(dBm)	(dB)
10	QPSK	1	12	20.45	20.35	20.45	21.5	0.0

n38 Ant 4 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	17.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	16.05	16.08	16.04	17.5	0.0
40	PI/2 BPSK	1	53	15.96	16.02	16.04		
40	PI/2 BPSK	1	104	16.06	16.07	16.05	17.5	0.0
40	PI/2 BPSK	50	0	16.01	16.05	16.03		
40	PI/2 BPSK	50	28	15.97	16.07	15.98	17.5	0.0
40	PI/2 BPSK	50	56	16.04	16.06	16.04		
40	PI/2 BPSK	100	0	15.98	16.07	15.97	17.5	0.0
40	QPSK	1	1	16.01	16.09	16.04		
40	QPSK	1	53	15.98	16.02	16.02	17.5	0.0
40	QPSK	1	104	15.96	16.06	16.05		
40	QPSK	50	0	15.98	16.07	16.04	17.5	0.0
40	QPSK	50	28	16.01	16.04	16.02		
40	QPSK	50	56	15.99	16.03	16.01	17.5	0.0
40	QPSK	100	0	16.05	16.07	16.05		
40	16QAM	1	1	16.02	16.05	15.99	17.5	0.0
40	64QAM	1	1	16.06	16.06	16.04		
40	256QAM	1	1	16.04	16.05	16.00	17.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	17.5	0.0
30	QPSK	1	1	15.92	16.04	15.98		
Channel				516504	519000	521496	17.5	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	15.92	16.07	15.99	17.5	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	17.5	0.0
20	QPSK	1	1	16.01	16.04	15.98		
Channel				515502	519000	522498	17.5	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	15.97	16.04	16.03	17.5	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	17.5	0.0
10	QPSK	1	1	15.90	16.06	15.95		

n41 Ant 4 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.01	17.19	17.01	19.0	0.0
100	PI/2 BPSK	1	137	17.01	17.17	17.08		
100	PI/2 BPSK	1	271	17.06	17.15	17.06	19.0	0.0
100	PI/2 BPSK	135	0	17.06	17.14	17.02		
100	PI/2 BPSK	135	69	17.08	17.18	17.02	19.0	0.0
100	PI/2 BPSK	135	138	17.07	17.16	17.10		
100	PI/2 BPSK	270	0	17.02	17.16	17.02	19.0	0.0
100	QPSK	1	1	17.10	17.22	17.08		
100	QPSK	1	137	17.03	17.16	17.12	19.0	0.0
100	QPSK	1	271	17.03	17.15	17.03		
100	QPSK	135	0	17.05	17.18	17.07	19.0	0.0
100	QPSK	135	69	17.08	17.19	17.11		
100	QPSK	135	138	17.01	17.13	17.02	19.0	0.0
100	QPSK	270	0	17.10	17.20	17.12		
100	16QAM	1	1	17.10	17.20	17.07	19.0	0.0
100	64QAM	1	1	17.10	17.21	17.07		
100	256QAM	1	1	17.04	17.15	17.10	19.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	19.0	0.0
90	QPSK	1	1	17.06	17.18	16.98		
Channel				507204	518598	529998	19.0	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.04	17.19	17.02	19.0	0.0
Channel				506200	518598	531996		
Frequency (MHz)				2536	2592.99	2639.98	19.0	0.0
60	QPSK	1	1	17.05	17.20	17.04		
Channel				504204	518598	532998	19.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.03	17.19	17.07	19.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	19.0	0.0
40	QPSK	1	1	16.99	17.16	17.05		
Channel				502200	518598	534996	19.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.05	17.21	17.06	19.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	19.0	0.0
20	QPSK	1	1	17.02	17.19	16.96		
Channel				500700	518598	536496	19.0	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.06	17.17	16.97	19.0	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685	19.0	0.0
10	QPSK	1	1	17.01	17.17	17.00		

n48 Ant 5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				636000	641666	646332		
Frequency (MHz)				3570	3624.99	3680		
40	PV2 BPSK	1	1	20.90	20.95	21.00		
40	PV2 BPSK	1	53	20.92	21.04	20.98	22.5	0.0
40	PV2 BPSK	1	104	20.97	20.94	20.98		
40	PV2 BPSK	50	0	20.96	20.94	20.96	22.5	0.0
40	PV2 BPSK	50	28	20.90	20.95	21.00	22.5	0.0
40	PV2 BPSK	50	56	20.88	20.96	20.94		
40	PV2 BPSK	100	0	20.88	21.04	20.97		
40	QPSK	1	1	21.02	21.07	21.06		
40	QPSK	1	53	20.97	21.03	21.01	22.5	0.0
40	QPSK	1	104	20.95	21.04	20.95		
40	QPSK	50	0	20.85	20.91	20.85	22.5	0.0
40	QPSK	50	28	20.95	21.02	20.98	22.5	0.0
40	QPSK	50	56	20.93	20.94	20.88		
40	QPSK	100	0	20.92	20.95	20.87	22.5	0.0
40	16QAM	1	1	20.91	20.95	21.01	22.5	0.0
40	64QAM	1	1	20.85	20.89	20.84	22.5	0.0
40	256QAM	1	1	19.92	20.01	19.95	21.5	1.0
Channel				637166	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555.02	3624.99	3684.99		
30	QPSK	1	1	20.91	20.99	20.97	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690.00		
20	QPSK	1	1	20.90	20.95	20.95	22.5	0.0
Channel				637166	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.97	20.95	20.93	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3624.99	3695		
10	QPSK	1	1	20.90	20.99	21.01	22.5	0.0

Par270 n77 PC2&3 Ant 5 DSI 4

BW [MHz]	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	20.59	20.62	20.50		
100	PV2 BPSK	1	137	20.52	20.61	20.53	22.0	0.0
100	PV2 BPSK	1	271	20.60	20.66	20.53		
100	PV2 BPSK	135	0	20.62	20.64	20.50	22.0	0.0
100	PV2 BPSK	135	69	20.60	20.65	20.53	22.0	0.0
100	PV2 BPSK	135	138	20.52	20.63	20.57	22.0	0.0
100	PV2 BPSK	270	0	20.57	20.64	20.59		
100	QPSK	1	1	20.65	20.69	20.63		
100	QPSK	1	137	20.59	20.61	20.51	22.0	0.0
100	QPSK	1	271	20.63	20.61	20.51		
100	QPSK	135	0	20.52	20.58	20.57	22.0	0.0
100	QPSK	135	69	20.54	20.64	20.61	22.0	0.0
100	QPSK	135	138	20.61	20.60	20.52	22.0	0.0
100	QPSK	270	0	20.58	20.60	20.52		
100	16QAM	1	1	20.61	20.58	20.50	22.0	0.0
100	64QAM	1	1	20.57	20.58	20.58	22.0	0.0
100	256QAM	1	1	20.54	20.55	20.53	22.0	0.0
Channel				645068	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	123	20.58	20.64	20.49	22.0	0.0
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	109	20.61	20.62	20.50	22.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	81	20.53	20.65	20.51	22.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	67	20.59	20.64	20.54	22.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	53	20.56	20.58	20.56	22.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	26	20.60	20.59	20.59	22.0	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.52	3840	3972.51		
15	QPSK	1	19	20.59	20.55	20.60	22.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	12	20.53	20.58	20.57	22.0	0.0

Part270 n77 PC2&3 Ant 5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1		20.58			
100	PV2 BPSK	1	137		20.60		22.0	0.0
100	PV2 BPSK	1	271		20.61			
100	PV2 BPSK	135	0		20.62		22.0	0.0
100	PV2 BPSK	135	69		20.64		22.0	0.0
100	PV2 BPSK	135	138		20.55		22.0	0.0
100	PV2 BPSK	270	0		20.58			
100	QPSK	1	1		20.66			
100	QPSK	1	137		20.54		22.0	0.0
100	QPSK	1	271		20.53			
100	QPSK	135	0		20.54		21.0	1.0
100	QPSK	135	69		20.57		22.0	0.0
100	QPSK	135	138		20.52		21.0	1.0
100	QPSK	270	0		20.55			
100	16QAM	1	1		20.53		22.0	0.0
100	64QAM	1	1		20.53		22.0	0.0
100	256QAM	1	1		20.53		22.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	123	20.47	20.54	20.47	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	20.53	20.64	20.39	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.56	20.56	20.48	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.02	3500.01	3520		
50	QPSK	1	67	20.53	20.57	20.40	22.0	0.0
Channel				631834	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.52	20.58	20.49	22.0	0.0
Channel				632000	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	20.52	20.57	20.44	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.53	20.64	20.43	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.51	20.57	20.49	22.0	0.0

Part27O n78 PC2&3 Ant 5 DSI 4									
BW [MHz]	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		19.63		21.0	0.0	
100	PI2 BPSK	1	137		19.64				
100	PI2 BPSK	1	271		19.58				
100	PI2 BPSK	135	0		19.60		21.0	0.0	
100	PI2 BPSK	135	69		19.61		21.0	0.0	
100	PI2 BPSK	135	138		19.54		21.0	0.0	
100	PI2 BPSK	270	0		19.53		21.0	0.0	
100	QPSK	1	1		19.57				
100	QPSK	1	137		19.58				
100	QPSK	1	271		19.57		20.0	1.0	
100	QPSK	135	0		19.55				
100	QPSK	135	69		19.59		21.0	0.0	
100	QPSK	135	138		19.57		20.0	1.0	
100	QPSK	270	0		19.53		20.0	1.0	
100	16QAM	1	1		19.49		21.0	0.0	
100	64QAM	1	1		19.51		21.0	0.0	
100	256QAM	1	1		19.56		21.0	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	19.46	19.56	19.42	21.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	19.42	19.50	19.51	21.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	19.44	19.54	19.52	21.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	19.45	19.57	19.47	21.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	19.42	19.51	19.47	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	19.47	19.59	19.49	21.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	39	19.43	19.59	19.46	21.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3750.02			
20	QPSK	1	26	19.52	19.50	19.52	21.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.53	3750	3729.51			
15	QPSK	1	19	19.41	19.59	19.53	21.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	19.46	19.56	19.52	21.0	0.0	

Part27Q n78 PC2&3 Ant 5 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			3500.01		
Frequency (MHz)				633334			3500.01		
100	PI2 BPSK	1	1		19.53		21.0	0.0	
100	PI2 BPSK	1	137		19.51				
100	PI2 BPSK	1	271		19.44				
100	PI2 BPSK	135	0		19.50		21.0	0.0	
100	PI2 BPSK	135	69		19.58		21.0	0.0	
100	PI2 BPSK	135	138		19.51		21.0	0.0	
100	PI2 BPSK	270	0		19.39		21.0	0.0	
100	QPSK	1	1		19.61				
100	QPSK	1	137		19.54				
100	QPSK	1	271		19.45		20.0	1.0	
100	QPSK	135	0		19.46				
100	QPSK	135	69		19.51		21.0	0.0	
100	QPSK	135	138		19.44		20.0	1.0	
100	QPSK	270	0		19.40		21.0	0.0	
100	16QAM	1	1		19.41		21.0	0.0	
100	64QAM	1	1		19.45		21.0	0.0	
100	256QAM	1	1		19.47		21.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	19.37	19.53	19.37	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	19.39	19.49	19.35	21.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	19.39	19.45	19.31	21.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	19.38	19.48	19.34	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	19.38	19.50	19.28	21.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	19.37	19.43	19.39	21.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	19.34	19.52	19.37	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	19.39	19.53	19.38	21.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	19.43	19.54	19.32	21.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	19.33	19.52	19.33	21.0	0.0	

n38 Ant 7 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	15.32	15.38	15.31			
40	PI2 BPSK	1	53	15.27	15.36	15.27	17.0	0.0	
40	PI2 BPSK	1	104	15.30	15.33	15.33			
40	PI2 BPSK	50	0	15.33	15.36	15.34	17.0	0.0	
40	PI2 BPSK	50	28	15.30	15.33	15.27	17.0	0.0	
40	PI2 BPSK	50	56	15.27	15.34	15.37	17.0	0.0	
40	PI2 BPSK	100	0	15.27	15.32	15.33			
40	QPSK	1	1	15.35	15.40	15.38			
40	QPSK	1	53	15.33	15.37	15.28	17.0	0.0	
40	QPSK	1	104	15.29	15.36	15.32			
40	QPSK	50	0	15.32	15.35	15.31	17.0	0.0	
40	QPSK	50	28	15.33	15.39	15.34	17.0	0.0	
40	QPSK	50	56	15.33	15.36	15.26	17.0	0.0	
40	QPSK	100	0	15.32	15.38	15.33			
40	16QAM	1	1	15.35	15.37	15.29	17.0	0.0	
40	64QAM	1	1	15.34	15.37	15.35	17.0	0.0	
40	256QAM	1	1	15.36	15.46	15.42	15.5	1.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.28	15.35	15.28	17.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.30	15.36	15.29	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.34	15.38	15.27	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.23	15.38	15.36	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.24	15.35	15.35	17.0	0.0	

n41 Ant 7 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	15.46	15.51	15.31			
100	PI2 BPSK	1	137	15.43	15.47	15.36	17.0	0.0	
100	PI2 BPSK	1	271	15.41	15.50	15.36			
100	PI2 BPSK	135	0	15.45	15.43	15.29	17.0	0.0	
100	PI2 BPSK	135	69	15.41	15.45	15.37	17.0	0.0	
100	PI2 BPSK	135	138	15.46	15.42	15.30	17.0	0.0	
100	PI2 BPSK	270	0	15.46	15.51	15.30			
100	QPSK	1	1	15.48	15.53	15.39			
100	QPSK	1	137	15.45	15.50	15.38	17.0	0.0	
100	QPSK	1	271	15.48	15.51	15.35			
100	QPSK	135	0	15.46	15.46	15.37	17.0	0.0	
100	QPSK	135	69	15.48	15.51	15.38	17.0	0.0	
100	QPSK	135	138	15.44	15.46	15.37	17.0	0.0	
100	QPSK	270	0	15.47	15.50	15.35			
100	16QAM	1	1	15.40	15.46	15.35	17.0	0.0	
100	64QAM	1	1	15.48	15.51	15.38	17.0	0.0	
100	256QAM	1	1	15.51	15.52	15.39	15.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	123	15.43	15.52	15.39	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	109	15.43	15.50	15.37	17.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	81	15.42	15.51	15.37	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	67	15.45	15.52	15.32	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	53	15.40	15.51	15.27	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	39	15.38	15.47	15.31	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	26	15.43	15.48	15.35	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	19	15.43	15.50	15.32	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	12	15.38	15.51	15.32	17.0	0.0	

n48 Ant 7 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.86	20.93	20.87			
40	PI2 BPSK	1	53	20.88	20.94	20.91	22.5	0.0	
40	PI2 BPSK	1	104	20.82	20.88	20.90			
40	PI2 BPSK	50	0	20.80	20.91	20.89	22.5	0.0	
40	PI2 BPSK	50	28	20.85	20.89	20.89	22.5	0.0	
40	PI2 BPSK	50	56	20.82	20.94	20.85	22.5	0.0	
40	PI2 BPSK	100	0	20.91	20.93	20.91			
40	QPSK	1	1	20.92	20.95	20.88			
40	QPSK	1	53	20.86	20.92	20.88	22.5	0.0	
40	QPSK	1	104	20.92	20.93	20.91			
40	QPSK	50	0	20.87	20.93	20.88	22.5	0.0	
40	QPSK	50	28	20.91	20.94	20.90	22.5	0.0	
40	QPSK	50	56	20.91	20.88	20.85	22.5	0.0	
40	QPSK	100	0	20.84	20.95	20.88			
40	16QAM	1	1	20.80	20.92	20.89	22.5	0.0	
40	64QAM	1	1	20.33	20.41	20.44	22.0	0.5	
40	256QAM	1	1	18.41	18.46	18.45	20.0	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.82	20.91	20.78	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.83	20.93	20.79	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.80	20.89	20.85	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.80	20.92	20.78	22.5	0.0	

Par270 n77 PC2&3 Ant 7 DSI 4									
BW [MHz]	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	3940	3930			
100	Pi2 BPSK	1	1	17.06	17.10	17.02			
100	Pi2 BPSK	1	137	17.00	17.13	17.09	18.5	0.0	
100	Pi2 BPSK	1	271	17.05	17.16	17.05			
100	Pi2 BPSK	135	0	17.01	17.16	17.05	18.5	0.0	
100	Pi2 BPSK	135	69	16.99	17.13	17.03	18.5	0.0	
100	Pi2 BPSK	135	138	17.07	17.14	17.02	18.5	0.0	
100	Pi2 BPSK	270	0	17.00	17.07	17.10			
100	QPSK	1	1	17.08	17.18	17.10			
100	QPSK	1	137	16.96	17.14	17.06	18.5	0.0	
100	QPSK	1	271	16.99	17.07	17.11			
100	QPSK	135	0	17.06	17.10	17.01	18.5	0.0	
100	QPSK	135	69	17.08	17.12	17.06	18.5	0.0	
100	QPSK	135	138	17.06	17.09	17.04	18.5	0.0	
100	QPSK	270	0	17.05	17.15	17.07			
100	16QAM	1	1	16.99	17.08	17.07	18.5	0.0	
100	64QAM	1	1	17.03	17.07	17.02	18.5	0.0	
100	256QAM	1	1	17.02	17.10	17.09	18.5	0.0	
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	17.01	17.11	17.01	18.5	0.0	
Channel				646334	650000	646068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3742.01	3840	3940.02			
80	QPSK	1	109	17.06	17.18	17.00	18.5	0.0	
Channel				648668	650000	648334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3940	3950.01			
60	QPSK	1	81	17.02	17.13	17.10	18.5	0.0	
Channel				648334	650000	648068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	17.06	17.10	17.06	18.5	0.0	
Channel				649000	650000	649000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	17.05	17.16	17.03	18.5	0.0	
Channel				647334	650000	646868	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	16.99	17.14	17.09	18.5	0.0	
Channel				647168	650000	646834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3940	3972.51			
15	QPSK	1	19	17.02	17.09	17.04	18.5	0.0	
Channel				647000	650000	646500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	16.97	17.17	17.09	18.5	0.0	

Part27Q n77 PC2&3 Ant 7 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	633334	630000			
Frequency (MHz)				3000.01					
100	Pi2 BPSK	1	1	17.32					
100	Pi2 BPSK	1	137	17.31			18.5	0.0	
100	Pi2 BPSK	1	271	17.33					
100	Pi2 BPSK	135	0	17.29			18.5	0.0	
100	Pi2 BPSK	135	69	17.30			18.5	0.0	
100	Pi2 BPSK	135	138	17.32			18.5	0.0	
100	Pi2 BPSK	270	0	17.34					
100	QPSK	1	1	17.36					
100	QPSK	1	137	17.35			18.5	0.0	
100	QPSK	1	271	17.35					
100	QPSK	135	0	17.26			18.5	0.0	
100	QPSK	135	69	17.30			18.5	0.0	
100	QPSK	135	138	17.28			18.5	0.0	
100	QPSK	270	0	17.32			18.5	0.0	
100	16QAM	1	1	17.34			18.5	0.0	
100	64QAM	1	1	17.35			18.5	0.0	
100	256QAM	1	1	17.32			18.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	123	17.08	17.26	16.97	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	109	17.02	17.28	16.95	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	17.05	17.22	16.98	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	17.06	17.24	17.00	18.5	0.0	
Channel				631334	63334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	17.08	17.23	17.00	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3500.01	3540			
20	QPSK	1	26	17.09	17.23	17.03	18.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	17.07	17.23	16.98	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	17.10	17.25	16.98	18.5	0.0	

Part270 n78 PC2&3 Ant 7 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		18.01				
100	Pi2 BPSK	1	137		18.08		19.5		0.0
100	Pi2 BPSK	1	271		17.99				
100	Pi2 BPSK	135	0		17.91		19.5		0.0
100	Pi2 BPSK	135	69		17.97		19.5		0.0
100	Pi2 BPSK	135	138		18.01		19.5		0.0
100	Pi2 BPSK	270	0		17.99				
100	QPSK	1	1		18.01				
100	QPSK	1	137		17.93		19.5		0.0
100	QPSK	1	271		17.93				
100	QPSK	135	0		17.92		19.5		0.0
100	QPSK	135	69		17.98		19.5		0.0
100	QPSK	135	138		17.99		19.5		0.0
100	QPSK	270	0		18.00				
100	16QAM	1	1		17.99		19.5		0.0
100	64QAM	1	1		17.97		19.5		0.0
100	256QAM	1	1		17.97		19.5		0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	17.65	17.66	17.63	19.5		0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	17.79	17.85	17.75	19.5		0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	17.80	17.88	17.79	19.5		0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	17.75	17.83	17.84	19.5		0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	17.77	17.84	17.78	19.5		0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	17.82	17.84	17.80	19.5		0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	39	17.81	17.87	17.81	19.5		0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	17.82	17.81	17.75	19.5		0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	17.83	17.89	17.79	19.5		0.0
Channel				646700	650000	653300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	17.83	17.92	17.83	19.5		0.0

Part27Q 78 PC2&3 Ant 7 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				633334			MPR (dB)
Frequency (MHz)				3000.01			
100	PQ2 BPSK	1	1	18.38			19.5
100	PQ2 BPSK	1	137	18.39			19.5
100	PQ2 BPSK	1	271	18.41			19.5
100	PQ2 BPSK	135	0	18.40			19.5
100	PQ2 BPSK	135	69	18.38			19.5
100	PQ2 BPSK	135	138	18.35			19.5
100	PQ2 BPSK	270	0	18.34			19.5
100	QPSK	1	1	18.42			19.5
100	QPSK	1	137	18.41			19.5
100	QPSK	1	271	18.37			19.5
100	QPSK	135	0	18.34			19.5
100	QPSK	135	69	18.40			19.5
100	QPSK	135	138	18.37			19.5
100	QPSK	270	0	18.35			19.5
100	16QAM	1	1	18.38			19.5
100	64QAM	1	1	18.38			19.5
100	256QAM	1	1	18.37			19.5
Channel				633000	633334	633668	Tune-up limit (dBm)
Frequency (MHz)				3485	3000.01	3005.02	MPR (dB)
90	QPSK	1	123	18.06	18.18	17.96	19.5
Channel				632668	633334	634000	Tune-up limit (dBm)
Frequency (MHz)				3480.02	3000.01	3010	MPR (dB)
80	QPSK	1	109	18.04	18.17	18.01	19.5
Channel				632334	633334	634334	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3000.01	3015.01	MPR (dB)
70	QPSK	1	95	18.14	18.10	18.07	19.5
Channel				632000	633334	634668	Tune-up limit (dBm)
Frequency (MHz)				3480	3000.01	3020.02	MPR (dB)
60	QPSK	1	81	18.11	18.21	18.01	19.5
Channel				631668	633334	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3000.01	3025	MPR (dB)
50	QPSK	1	67	18.13	18.20	18.04	19.5
Channel				631334	633334	635334	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3000.01	3030.01	MPR (dB)
40	QPSK	1	53	18.07	18.13	18.02	19.5
Channel				631000	633334	635668	Tune-up limit (dBm)
Frequency (MHz)				3465	3000.01	3035.02	MPR (dB)
30	QPSK	1	39	18.11	18.17	17.99	19.5
Channel				630668	633334	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3000.01	3040	MPR (dB)
20	QPSK	1	25	18.13	18.10	17.96	19.5
Channel				630334	633334	636334	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3000.01	3045.01	MPR (dB)
15	QPSK	1	19	18.07	18.17	17.95	19.5
Channel				630334	633334	636334	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3000.01	3045.01	MPR (dB)
10	QPSK	1	12	18.15	18.15	17.96	19.5

Par270 n77 PC2&3 Ant 5 DSI 4 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	19.44	19.46	19.31	21.0	0.0	
100	PI2 BPSK	1	137	19.32	19.42	19.32			
100	PI2 BPSK	1	271	19.37	19.45	19.31			
100	PI2 BPSK	135	0	19.40	19.46	19.35	21.0	0.0	
100	PI2 BPSK	135	69	19.40	19.46	19.30	21.0	0.0	
100	PI2 BPSK	135	138	19.28	19.37	19.36	21.0	0.0	
100	PI2 BPSK	270	0	19.37	19.43	19.38			
100	QPSK	1	1	19.44	19.47	19.45			
100	QPSK	1	137	19.40	19.44	19.31	21.0	0.0	
100	QPSK	1	271	19.41	19.43	19.29			
100	QPSK	135	0	19.34	19.33	19.40			
100	QPSK	135	69	19.40	19.43	19.41	21.0	0.0	
100	QPSK	135	138	19.36	19.36	19.37	21.0	0.0	
100	QPSK	270	0	19.40	19.42	19.36			
100	16QAM	1	1	19.35	19.38	19.34	21.0	0.0	
100	64QAM	1	1	19.38	19.43	19.40	21.0	0.0	
100	256QAM	1	1	19.28	19.35	19.27	21.0	0.0	
Channel				648668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	19.37	19.42	19.38	21.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.01	3840	3930.02			
80	QPSK	1	109	19.46	19.42	19.40	21.0	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	19.36	19.46	19.43	21.0	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3950.02			
50	QPSK	1	67	19.40	19.43	19.46	21.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	19.36	19.44	19.43	21.0	0.0	
Channel				648334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	19.35	19.45	19.36	21.0	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3702.52	3840	3972.51			
15	QPSK	1	19	19.42	19.42	19.46	21.0	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	19.46	19.44	19.40	21.0	0.0	

Reduced Power Mode for Main PA DSI4 ENDC												
Part27Q n77 PC2&3 Ant 5 DSI 4 for ENDC												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				3500.01								
100	PI2 BPSK	1	1	19.44			21.0	0.0				
100	PI2 BPSK	1	137	19.40								
100	PI2 BPSK	1	271	19.43								
100	PI2 BPSK	135	0	19.45			21.0	0.0				
100	PI2 BPSK	135	69	19.45			21.0	0.0				
100	PI2 BPSK	135	138	19.34			21.0	0.0				
100	PI2 BPSK	270	0	19.44								
100	QPSK	1	1	19.46								
100	QPSK	1	137	19.40			21.0	0.0				
100	QPSK	1	271	19.33								
100	QPSK	135	0	19.40				21.0				
100	QPSK	135	69	19.41			21.0	0.0				
100	QPSK	135	138	19.38			21.0	0.0				
100	QPSK	270	0	19.38								
100	16QAM	1	1	19.29			21.0	0.0				
100	64QAM	1	1	19.34			21.0	0.0				
100	256QAM	1	1	19.27			21.0	0.0				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3495.01	3500.01	3505.02						
90	QPSK	1	123	19.38	19.40	19.24	21.0	0.0				
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3490.02	3500.01	3510						
80	QPSK	1	109	19.31	19.40	19.15	21.0	0.0				
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3480	3500.01	3520.02						
60	QPSK	1	81	19.38	19.40	19.24	21.0	0.0				
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3472.02	3500.01	3526						
50	QPSK	1	67	19.36	19.41	19.16	21.0	0.0				
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3470.01	3500.01	3530.01						
40	QPSK	1	53	19.33	19.39	19.14	21.0	0.0				
Channel				630668	633334	635900	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3460.02	3500.01	3540						
20	QPSK	1	26	19.31	19.44	19.17	21.0	0.0				
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3457.51	3500.01	3542.52						
15	QPSK	1	19	19.35	19.44	19.17	21.0	0.0				
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3455.01	3500.01	3545.01						
10	QPSK	1	12	19.36	19.44	19.24	21.0	0.0				

Part270 n78 PC2&3 Ant 5 DSI 4 for ENDC												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				650000	650000	650000						
100	PI2 BPSK	1	1	19.41			20.0	0.0				
100	PI2 BPSK	1	137	19.47								
100	PI2 BPSK	1	271	19.41								
100	PI2 BPSK	135	0	19.42			20.0	0.0				
100	PI2 BPSK	135	69	19.42			20.0	0.0				
100	PI2 BPSK	135	138	19.33			20.0	0.0				
100	PI2 BPSK	270	0	19.35								
100	QPSK	1	1	19.53								
100	QPSK	1	137	19.40			20.0	0.0				
100	QPSK	1	271	19.32								
100	QPSK	135	0	19.36				20.0				
100	QPSK	135	69	19.42			20.0	0.0				
100	QPSK	135	138	19.31			20.0	0.0				
100	QPSK	270	0	19.38								
100	16QAM	1	1	19.37			20.0	0.0				
100	64QAM	1	1	19.38			20.0	0.0				
100	256QAM	1	1	19.38			20.0	0.0				
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3745.02	3750	3755.01						
90	QPSK	1	123	19.31	19.47	19.34	20.0	0.0				
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3740.01	3750	3760.02						
80	QPSK	1	109	19.35	19.47	19.36	20.0	0.0				
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3735 <td>3750</td> <td>3765</td> <th colspan="3"></th>	3750	3765						
70	QPSK	1	95	19.35	19.49	19.29	20.0	0.0				
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3730.02 <td>3750</td> <td>3770.01</td>	3750	3770.01						
60	QPSK	1	81	19.41	19.47	19.32	20.0	0.0				
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3725.01 <td>3750</td> <td>3775.02</td>	3750	3775.02						
50	QPSK	1	67	19.40	19.50	19.33	20.0	0.0				
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3720 <td>3750</td> <td>3780</td> <th colspan="3"></th>	3750	3780						
40	QPSK	1	53	19.34	19.42	19.30	20.0	0.0				
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3715.02 <td>3750</td> <td>3785.01</td>	3750	3785.01						
30	QPSK	1	39	19.42	19.51	19.27	20.0	0.0				
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3710.01 <td>3750</td> <td>3790.02</td>	3750	3790.02						
20	QPSK	1	25	19.32	19.46	19.36	20.0	0.0				
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3707.52 <td>3750</td> <td>3792.51</td>	3750	3792.51						
15	QPSK	1	19	19.34	19.50	19.27	20.0	0.0				
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				3705 <td>3750</td> <td>3795</td> <th colspan="3"></th>	3750	3795						
10	QPSK	1	12	19.33	19.52	19.26	20.0	0.0				

Part27Q n78 PC2&3 Ant 5 DSI 4 for ENDC									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			20.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	19.43			20.0	0.0	
100	PI2 BPSK	1	137	19.40					
100	PI2 BPSK	1	271	19.37					
100	PI2 BPSK	135	0	19.45			20.0	0.0	
100	PI2 BPSK	135	69	19.49			20.0	0.0	
100	PI2 BPSK	135	138	19.47			20.0	0.0	
100	PI2 BPSK	270	0	19.31					
100	QPSK	1	1	19.52					
100	QPSK	1	137	19.43			20.0	0.0	
100	QPSK	1	271	19.40					
100	QPSK	135	0	19.39			20.0	0.0	
100	QPSK	135	69	19.44			20.0	0.0	
100	QPSK	135	138	19.27			20.0	0.0	
100	QPSK	270	0	19.38					
100	16QAM	1	1	19.32			20.0	0.0	
100	64QAM	1	1	19.38			20.0	0.0	
100	256QAM	1	1	19.38			20.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	123	19.25	19.43	19.27	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	19.30	19.42	19.33	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	95	19.33	19.42	19.29	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	19.23	19.44	19.28	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	19.32	19.46	19.26	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	19.28	19.47	19.32	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	19.26	19.47	19.27	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	19.33	19.48	19.32	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	19.29	19.46	19.26	20.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	19.21	19.47	19.28	20.0	0.0	

n2 other PA 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				372000	376000	380000	24.5	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	22.98	22.99	22.94	24.5	0.0
20	PI2 BPSK	1	53	22.96	22.96	23.03		
20	PI2 BPSK	1	104	23.03	23.00	23.00	24.0	0.5
20	PI2 BPSK	50	0	22.57	22.63	22.51		
20	PI2 BPSK	50	28	22.96	23.02	22.92	24.0	0.5
20	PI2 BPSK	50	56	22.60	22.56	22.52		
20	PI2 BPSK	100	0	22.54	22.56	22.56	24.5	0.0
20	QPSK	1	1	23.08	23.11	23.05		
20	QPSK	1	53	23.01	23.05	22.97	23.5	1.0
20	QPSK	1	104	23.01	23.04	23.02		
20	QPSK	50	0	22.08	22.09	22.01	23.5	0.0
20	QPSK	50	28	23.02	23.07	22.59		
20	QPSK	50	56	22.11	22.06	22.06	23.5	1.0
20	QPSK	100	0	22.07	22.13	22.06		
20	16QAM	1	1	22.08	22.06	22.03	22.0	2.5
20	64QAM	1	1	20.58	20.64	20.61		
20	256QAM	1	1	18.54	18.61	18.53	20.0	4.5
Channel				371500	376000	380500		
Frequency (MHz)				1867.5	1880	1902.5	24.5	0.0
15	QPSK	1	1	23.02	22.98	22.92		
Channel				371000	376000	381000	24.5	0.0
Frequency (MHz)				1850	1900	1950		
10	QPSK	1	1	23.00	23.05	22.92	24.5	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1860	1907.5	24.5	0.0
5	QPSK	1	1	22.95	22.98	23.01		

Full & Default Power_Other PA

n7 other PA 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				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	22.97	22.90	22.92	24.5	0.0
50	PI2 BPSK	1	135	22.88	22.96	22.93		
50	PI2 BPSK	1	268	23.01	22.98	22.89	24.0	0.5
50	PI2 BPSK	135	0	22.49	22.55	22.44		
50	PI2 BPSK	135	68	22.93	22.92	22.80	24.0	0.5
50	PI2 BPSK	135	135	22.59	22.46	22.48		
50	PI2 BPSK	270	0	22.51	22.46	22.46	24.5	0.0
50	QPSK	1	1	22.96	22.98	22.96		
50	QPSK	1	135	22.99	22.94	22.93	23.5	1.0
50	QPSK	1	268	22.99	23.08	22.97		
50	QPSK	135	0	22.07	22.00	21.90	23.5	0.0
50	QPSK	135	68	23.01	23.05	22.88		
50	QPSK	135	135	22.11	21.96	21.86	23.5	1.0
50	QPSK	270	0	22.02	22.06	21.99		
50	16QAM	1	1	22.00	22.01	22.02	22.0	2.5
50	64QAM	1	1	20.49	20.54	20.51		
50	256QAM	1	1	18.44	18.61	18.42	20.0	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	24.5	0.0
40	QPSK	1	1	22.96	22.92	22.87		
Channel				503000	507000	511000	24.5	0.0
Frequency (MHz)				2510	2535	2555		
30	QPSK	1	1	22.91	22.96	22.92	24.5	0.0
Channel				502000	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	24.5	0.0
25	QPSK	1	1	23.00	22.88	22.84		
Channel				501000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	1	22.91	22.89	22.91	24.5	0.0
Channel				501000	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	22.83	22.86	22.91		
Channel				501000	507000	513000	24.5	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.82	22.84	22.81	24.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	22.84	22.80	22.81		

n66 other PA 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				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.05	22.88	22.93	24.5	0.0
40	PI2 BPSK	1	108	22.91	23.04	22.96		
40	PI2 BPSK	1	214	23.10	23.00	22.87	24.0	0.5
40	PI2 BPSK	108	0	22.47	22.58	22.53		
40	PI2 BPSK	108	54	22.93	22.94	22.87	24.0	0.5
40	PI2 BPSK	108	108	22.57	22.44	22.51		
40	PI2 BPSK	216	0	22.59	22.54	22.43	24.5	0.0
40	QPSK	1	1	23.01	23.15	23.04		
40	QPSK	1	108	22.97	22.94	22.91	23.5	1.0
40	QPSK	1	214	22.96	22.97	22.94		
40	QPSK	108	0	22.06	22.08	21.92	23.5	0.0
40	QPSK	108	54	23.06	23.12	22.96		
40	QPSK	108	108	22.01	22.04	22.00	23.5	1.0
40	QPSK	216	0	22.02	22.19	22.00		
40	16QAM	1	1	22.01	22.09	22.02	22.0	2.5
40	64QAM	1	1	20.51	20.60	20.59		
40	256QAM	1	1	18.49	18.68	18.44	20.0	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	23.07	23.03	22.99		
Channel				344500	349000	353500	24.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.02	23.07	23.01	24.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.02	23.06	22.90		
Channel				343500	349000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.04	23.04	22.90	24.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.01	23.01	22.93		
Channel				342500	349000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.09	22.96	22.90	24.5	0.0
Channel				342000	349000	356000		
Frequency (MHz)				1710	1745	1780		

n2 other PA Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	19.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	17.58	17.61	17.54	19.0	0.0
20	PI2 BPSK	1	53	17.59	17.58	17.57		
20	PI2 BPSK	1	104	17.63	17.59	17.50	19.0	0.0
20	PI2 BPSK	50	0	17.59	17.61	17.55		
20	PI2 BPSK	50	28	17.55	17.61	17.50	19.0	0.0
20	PI2 BPSK	50	56	17.56	17.62	17.56		
20	PI2 BPSK	100	0	17.58	17.59	17.49	19.0	0.0
20	QPSK	1	1	17.62	17.64	17.54		
20	QPSK	1	53	17.56	17.62	17.56	19.0	0.0
20	QPSK	1	104	17.53	17.60	17.53		
20	QPSK	50	0	17.57	17.60	17.52	19.0	0.0
20	QPSK	50	28	17.55	17.61	17.57		
20	QPSK	50	56	17.54	17.55	17.53	19.0	0.0
20	QPSK	100	0	17.60	17.63	17.51		
20	16QAM	1	1	17.57	17.62	17.55	19.0	0.0
20	64QAM	1	1	17.57	17.60	17.60		
20	256QAM	1	1	17.56	17.61	17.50	19.0	0.0
Channel				371000	372000	380000		
Frequency (MHz)				1867.5	1880	1902.5	19.0	0.0
15	QPSK	1	1	17.51	17.62	17.54		
Channel				371000	376000	381000	19.0	0.0
Frequency (MHz)				1900	1900	1900		
10	QPSK	1	1	17.61	17.60	17.49	19.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1862.5	1880	1907.5	19.0	0.0
5	QPSK	1	1	17.51	17.63	17.45		

Reduced Power Mode for Other PA DSI1

n7 other PA Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2625	2635	2645		
50	PI2 BPSK	1	1	22.46	22.52	22.37	24.0	0.0
50	PI2 BPSK	1	135	22.37	22.41	22.47		
50	PI2 BPSK	1	268	22.48	22.50	22.39	24.0	0.0
50	PI2 BPSK	135	0	22.49	22.55	22.44		
50	PI2 BPSK	135	68	22.45	22.46	22.32	24.0	0.0
50	PI2 BPSK	135	135	22.59	22.46	22.48		
50	PI2 BPSK	270	0	22.51	22.46	22.46	24.0	0.0
50	QPSK	1	1	22.51	22.41	22.42		
50	QPSK	1	135	22.46	22.47	22.43	24.0	0.0
50	QPSK	1	268	22.44	22.60	22.48		
50	QPSK	135	0	22.07	22.00	21.90	23.5	0.5
50	QPSK	135	68	22.52	22.54	22.37		
50	QPSK	135	135	22.11	21.98	21.86	23.5	0.5
50	QPSK	270	0	22.02	22.06	21.99		
50	16QAM	1	1	22.00	22.01	22.02	23.5	0.5
50	64QAM	1	1	20.49	20.54	20.51		
50	256QAM	1	1	18.44	18.61	18.42	20.0	4.0
Channel				504000	507000	509000		
Frequency (MHz)				2620	2635	2650	24.0	0.0
40	QPSK	1	1	22.36	22.52	22.46		
Channel				503000	507000	511000	24.0	0.0
Frequency (MHz)				2615	2635	2655		
30	QPSK	1	1	22.36	22.52	22.39	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2612.5	2635	2657.5	24.0	0.0
25	QPSK	1	1	22.39	22.54	22.37		
Channel				502000	507000	512000	24.0	0.0
Frequency (MHz)				2610	2635	2650		
20	QPSK	1	1	22.39	22.57	22.41	24.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2607.5	2635	2662.5	24.0	0.0
15	QPSK	1	1	22.42	22.57	22.47		
Channel				501000	507000	513000	24.0	0.0
Frequency (MHz)				2605	2635	2665		
10	QPSK	1	1	22.34	22.59	22.39	24.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2602.5	2635	2667.5	24.0	0.0
5	QPSK	1	1	22.43	22.53	22.44		

n66 other PA Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	346000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.05	22.88	22.93	24.5	0.0
40	PI2 BPSK	1	108	22.91	23.04	22.96		
40	PI2 BPSK	1	214	23.10	23.00	22.87	24.5	0.5
40	PI2 BPSK	108	0	22.47	22.98	22.53		
40	PI2 BPSK	108	54	22.93	22.94	22.87	24.5	0.5
40	PI2 BPSK	108	108	22.57	22.44	22.51		
40	PI2 BPSK	216	0	22.59	22.54	22.43	24.5	0.0
40	QPSK	1	1	23.01	23.15	23.04		
40	QPSK	1	108	22.97	22.94	22.91	24.5	0.0
40	QPSK	1	214	22.96	22.97	22.94		
40	QPSK	108	0	22.06	22.08	21.92	23.5	1.0
40	QPSK	108	54	23.06	23.12	22.96		
40	QPSK	108	108	22.01	22.04	22.00	23.5	1.0
40	QPSK	216	0	22.02	22.19	22.00		
40	16QAM	1	1	22.01	22.09	22.02	23.5	1.0
40	64QAM	1	1	20.51	20.60	20.59		
40	256QAM	1	1	18.49	18.68	18.44	20.0	4.5
Channel				345000	346000	346000		
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	23.07	23.03	22.99		
Channel				344500	346000	353500	24.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.02	23.07	23.01	24.5	0.0
Channel				344000	346000	354000		
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	23.02	23.06	22.90		
Channel				343500	346000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.04	23.04	22.90	24.5	0.0
Channel				343000	346000	355000		
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.01	23.01	22.93		
Channel				342500	346000	355500	24.5	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.09	22.96	22.90	24.5	0.0
Channel				342000	346000	356000		
Frequency (MHz)				1710	1745	1780		

Reduced Power Mode for Other PA DSI1 END C								
n66 other PA Ant 2 DSI1 for END C								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	22.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.53	20.68	20.49		
40	PI/2 BPSK	1	108	20.53	20.68	20.57	22.0	0.0
40	PI/2 BPSK	1	214	20.55	20.66	20.55		
40	PI/2 BPSK	108	0	20.48	20.59	20.56		
40	PI/2 BPSK	108	54	20.49	20.60	20.56	22.0	0.0
40	PI/2 BPSK	108	108	20.51	20.60	20.60		
40	PI/2 BPSK	216	0	20.46	20.66	20.53		
40	QPSK	1	1	20.58	20.69	20.59	22.0	0.0
40	QPSK	1	108	20.55	20.66	20.52		
40	QPSK	1	214	20.49	20.64	20.51		
40	QPSK	108	0	20.50	20.64	20.54	22.0	0.0
40	QPSK	108	54	20.54	20.65	20.59		
40	QPSK	108	108	20.50	20.61	20.52		
40	QPSK	216	0	20.53	20.62	20.56	22.0	0.0
40	16QAM	1	1	20.45	20.65	20.57		
40	64QAM	1	1	20.51	20.60	20.59		
40	256QAM	1	1	18.49	18.68	18.44	20.0	2.0
Channel				346000	349000	353000	22.0	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.51	20.60	20.58		
Channel				344500	349000	353500	22.0	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.55	20.64	20.52		
Channel				344000	349000	354000	22.0	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.51	20.66	20.49		
Channel				343500	349000	354500	22.0	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.57	20.61	20.58		
Channel				343000	349000	355000	22.0	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.50	20.60	20.49		
Channel				342500	349000	355500	22.0	0.0
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.48	20.66	20.48		

n2 other PA Ant 2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1860	1880	1900	20.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.54	18.60	18.58		
20	PI2 BPSK	1	53	18.55	18.60	18.52		
20	PI2 BPSK	1	104	18.57	18.62	18.56	20.0	0.0
20	PI2 BPSK	50	0	18.52	18.56	18.49		
20	PI2 BPSK	50	28	18.62	18.62	18.50		
20	PI2 BPSK	50	56	18.58	18.59	18.57		
20	PI2 BPSK	100	0	18.59	18.60	18.58	20.0	0.0
20	QPSK	1	1	18.59	18.64	18.59		
20	QPSK	1	53	18.57	18.62	18.53		
20	QPSK	1	104	18.61	18.61	18.58		
20	QPSK	50	0	18.58	18.56	18.54	20.0	0.0
20	QPSK	50	28	18.58	18.62	18.58		
20	QPSK	50	56	18.57	18.57	18.50		
20	QPSK	100	0	18.58	18.61	18.55		
20	16QAM	1	1	18.54	18.55	18.54	20.0	0.0
20	64QAM	1	1	18.60	18.58	18.55		
20	256QAM	1	1	18.54	18.61	18.53		
Channel				371000	372000	373000	20.0	0.0
Frequency (MHz)				371000	372000	373000		
15	QPSK	1	1	18.51	18.61	18.48		
Channel				371000	376000	381000	20.0	0.0
Frequency (MHz)				371000	376000	381000		
10	QPSK	1	1	18.50	18.62	18.55		
Channel				370500	376000	381500	20.0	0.0
Frequency (MHz)				370500	376000	381500		
5	QPSK	1	1	18.59	18.60	18.46		

Reduced Power Mode for Other PA DSI2

n7 other PA Ant 2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.5	0.0
Frequency (MHz)				505000	507000	509000		
50	PI2 BPSK	1	1	22.97	22.90	22.92		
50	PI2 BPSK	1	135	22.88	22.96	22.93		
50	PI2 BPSK	1	269	23.01	22.98	22.89	24.0	0.5
50	PI2 BPSK	135	0	22.49	22.55	22.44		
50	PI2 BPSK	135	68	22.93	22.92	22.80		
50	PI2 BPSK	135	135	22.59	22.46	22.48		
50	PI2 BPSK	270	0	22.51	22.46	22.46	24.5	0.0
50	QPSK	1	1	22.96	22.98	22.96		
50	QPSK	1	135	22.99	22.94	22.93		
50	QPSK	1	268	22.99	23.08	22.97		
50	QPSK	135	0	22.07	22.00	21.90	23.5	1.0
50	QPSK	135	68	23.01	23.05	22.88		
50	QPSK	135	135	22.11	21.96	21.86		
50	QPSK	270	0	22.02	22.06	21.99		
50	16QAM	1	1	22.00	22.01	22.02	23.5	1.0
50	64QAM	1	1	20.49	20.54	20.51		
50	256QAM	1	1	18.44	18.61	18.42		
Channel				505000	507000	509000	20.0	0.0
Frequency (MHz)				505000	507000	509000		
40	QPSK	1	1	22.96	22.92	22.87		
Channel				503000	507000	511000	20.0	0.0
Frequency (MHz)				503000	507000	511000		
30	QPSK	1	1	22.91	22.96	22.92		
Channel				502500	507000	511500	20.0	0.0
Frequency (MHz)				502500	507000	511500		
25	QPSK	1	1	23.00	22.88	22.84		
Channel				502000	507000	512000	20.0	0.0
Frequency (MHz)				502000	507000	512000		
20	QPSK	1	1	22.91	22.89	22.91		
Channel				501500	507000	512500	20.0	0.0
Frequency (MHz)				501500	507000	512500		
15	QPSK	1	1	22.93	22.86	22.91		
Channel				501000	507000	513000	20.0	0.0
Frequency (MHz)				501000	507000	513000		
10	QPSK	1	1	22.92	22.94	22.81		
Channel				500500	507000	513500	20.0	0.0
Frequency (MHz)				500500	507000	513500		
5	QPSK	1	1	22.94	22.90	22.81		

n66 other PA Ant 2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1730	1745	1760	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.05	22.88	22.93		
40	PI2 BPSK	1	108	22.91	23.04	22.96		
40	PI2 BPSK	1	214	23.10	23.00	22.87	24.0	0.5
40	PI2 BPSK	108	0	22.47	22.58	22.53		
40	PI2 BPSK	108	54	22.93	22.94	22.87		
40	PI2 BPSK	108	108	22.57	22.44	22.51		
40	PI2 BPSK	216	0	22.59	22.54	22.43	24.5	0.0
40	QPSK	1	1	23.01	23.15	23.04		
40	QPSK	1	108	22.97	22.94	22.91		
40	QPSK	1	214	22.98	22.97	22.94		
40	QPSK	108	0	22.06	22.08	21.92	23.5	1.0
40	QPSK	108	54	23.06	23.12	22.96		
40	QPSK	108	108	22.01	22.04	22.00		
40	QPSK	216	0	22.02	22.19	22.00		
40	16QAM	1	1	22.01	22.09	22.02	23.5	1.0
40	64QAM	1	1	20.51	20.60	20.59		
40	256QAM	1	1	18.49	18.68	18.44		
Channel				345000	346000	347000	20.0	0.0
Frequency (MHz)				345000	346000	347000		
30	QPSK	1	1	23.07	23.03	22.99		
Channel				344500	349000	353500	20.0	0.0
Frequency (MHz)				344500	349000	353500		
25	QPSK	1	1	23.02	23.07	23.01		
Channel				344000	349000	354000	20.0	0.0
Frequency (MHz)				344000	349000	354000		
20	QPSK	1	1	23.02	23.06	22.90		
Channel				343500	349000	354500	20.0	0.0
Frequency (MHz)				343500	349000	354500		
15	QPSK	1	1	23.04	23.04	22.90		
Channel				343000	349000	355000	20.0	0.0
Frequency (MHz)				343000	349000	355000		
10	QPSK	1	1	23.01	23.01	22.93		
Channel				342500	349000	355500	20.0	0.0
Frequency (MHz)				342500	349000	355500		
5	QPSK	1	1	23.09	22.96	22.90		

n2 other PA Ant 2 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	20.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.54	18.60	18.58		
20	PI2 BPSK	1	53	18.55	18.60	18.52	20.0	0.0
20	PI2 BPSK	1	104	18.57	18.62	18.56		
20	PI2 BPSK	50	0	18.52	18.56	18.49		
20	PI2 BPSK	50	28	18.62	18.62	18.50	20.0	0.0
20	PI2 BPSK	50	56	18.58	18.59	18.57		
20	PI2 BPSK	100	0	18.59	18.60	18.58		
20	QPSK	1	1	18.59	18.64	18.59	20.0	0.0
20	QPSK	1	53	18.57	18.62	18.53		
20	QPSK	1	104	18.61	18.61	18.58		
20	QPSK	50	0	18.58	18.56	18.54	20.0	0.0
20	QPSK	50	28	18.58	18.62	18.58		
20	QPSK	50	56	18.57	18.57	18.50		
20	QPSK	100	0	18.58	18.61	18.55	20.0	0.0
20	16QAM	1	1	18.54	18.55	18.54		
20	64QAM	1	1	18.60	18.58	18.55		
20	256QAM	1	1	18.54	18.61	18.53	20.0	0.0
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.51	18.61	18.48	20.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1853	1880	1900		
10	QPSK	1	1	18.50	18.62	18.55	20.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.59	18.60	18.46	20.0	0.0
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		

Reduced Power Mode for Other PA DSI3

n7 other PA Ant 2 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	22.97	22.90	22.92		
50	PI2 BPSK	1	135	22.88	22.96	22.93	24.0	0.5
50	PI2 BPSK	1	269	23.01	22.98	22.89		
50	PI2 BPSK	135	0	22.49	22.55	22.44		
50	PI2 BPSK	135	68	22.93	22.92	22.80	24.0	0.5
50	PI2 BPSK	135	135	22.59	22.46	22.48		
50	PI2 BPSK	270	0	22.51	22.46	22.46		
50	QPSK	1	1	22.96	22.98	22.96	24.5	0.0
50	QPSK	1	135	22.99	22.94	22.93		
50	QPSK	1	268	22.99	23.08	22.97		
50	QPSK	135	0	22.07	22.00	21.90	23.5	1.0
50	QPSK	135	68	23.01	23.05	22.88		
50	QPSK	135	135	22.11	21.96	21.86		
50	QPSK	270	0	22.02	22.06	21.99	23.5	1.0
50	16QAM	1	1	22.00	22.01	22.02		
50	64QAM	1	1	20.49	20.54	20.51		
50	256QAM	1	1	18.44	18.61	18.42	20.0	4.5
Channel				504000	507000	509000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.96	22.92	22.87	24.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.91	22.96	22.92	24.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.00	22.88	22.84	24.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	1	22.91	22.89	22.91	24.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.93	22.86	22.91	24.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.92	22.94	22.81	24.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2572.5		
5	QPSK	1	1	22.94	22.90	22.81	24.5	0.0
Channel				500000	507000	514000		
Frequency (MHz)				2500	2535	2575		

n66 other PA Ant 2 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.05	22.88	22.93		
40	PI2 BPSK	1	108	22.91	23.04	22.96	24.0	0.5
40	PI2 BPSK	1	214	23.10	23.00	22.87		
40	PI2 BPSK	108	0	22.47	22.58	22.53		
40	PI2 BPSK	108	54	22.93	22.94	22.87	24.0	0.5
40	PI2 BPSK	108	108	22.57	22.44	22.51		
40	PI2 BPSK	216	0	22.59	22.54	22.43		
40	QPSK	1	1	23.01	23.15	23.04	24.5	0.0
40	QPSK	1	108	22.97	22.94	22.91		
40	QPSK	1	214	22.96	22.97	22.94		
40	QPSK	108	0	22.06	22.08	21.92	23.5	1.0
40	QPSK	108	54	23.06	23.12	22.96		
40	QPSK	108	108	22.01	22.04	22.00		
40	QPSK	216	0	22.02	22.19	22.00	23.5	1.0
40	16QAM	1	1	22.01	22.09	22.02		
40	64QAM	1	1	20.51	20.60	20.59		
40	256QAM	1	1	18.49	18.68	18.44	20.0	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.07	23.03	22.99	24.5	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.02	23.07	23.01	24.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.02	23.06	22.90	24.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.04	23.04	22.90	24.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.01	23.01	22.93	24.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.09	22.96	22.90	24.5	0.0
Channel				342000	349000	356000		
Frequency (MHz)				1710	1745	1780		

n2 other PA Ant 2 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000	20.0	0.0
Frequency (MHz)				1860	1880	1900		
20	PI2 BPSK	1	1	18.54	18.60	18.58		
20	PI2 BPSK	1	53	18.55	18.60	18.52	20.0	0.0
20	PI2 BPSK	1	104	18.57	18.62	18.56		
20	PI2 BPSK	50	0	18.52	18.56	18.49		
20	PI2 BPSK	50	28	18.62	18.62	18.50	20.0	0.0
20	PI2 BPSK	50	56	18.58	18.59	18.57		
20	PI2 BPSK	100	0	18.59	18.60	18.58		
20	QPSK	1	1	18.59	18.64	18.59	20.0	0.0
20	QPSK	1	53	18.57	18.62	18.53		
20	QPSK	1	104	18.61	18.61	18.58		
20	QPSK	50	0	18.58	18.56	18.54	20.0	0.0
20	QPSK	50	28	18.58	18.62	18.58		
20	QPSK	50	56	18.57	18.57	18.50		
20	QPSK	100	0	18.58	18.61	18.55	20.0	0.0
20	16QAM	1	1	18.54	18.55	18.54		
20	64QAM	1	1	18.60	18.58	18.55		
20	256QAM	1	1	18.54	18.61	18.53	20.0	0.0
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.51	18.61	18.48	20.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1900		
10	QPSK	1	1	18.50	18.62	18.55	20.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.59	18.60	18.46	20.0	0.0
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		

Reduced Power Mode for Other PA DSI 4

n7 other PA Ant 2 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	21.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI2 BPSK	1	1	19.83	19.92	19.78		
50	PI2 BPSK	1	135	19.85	19.87	19.80	21.5	0.0
50	PI2 BPSK	1	269	19.83	19.84	19.76		
50	PI2 BPSK	135	0	19.76	19.86	19.79		
50	PI2 BPSK	135	68	19.79	19.86	19.79	21.5	0.0
50	PI2 BPSK	135	135	19.87	19.92	19.75		
50	PI2 BPSK	270	0	19.84	19.84	19.75		
50	QPSK	1	1	19.93	20.01	19.84	21.5	0.0
50	QPSK	1	135	19.99	20.02	19.83		
50	QPSK	1	268	20.01	20.06	19.96		
50	QPSK	135	0	19.97	20.04	19.84	21.5	0.0
50	QPSK	135	68	19.96	19.98	19.84		
50	QPSK	135	135	19.92	19.95	19.85		
50	QPSK	270	0	19.89	19.97	19.88	21.5	0.0
50	16QAM	1	1	19.77	19.92	19.84		
50	64QAM	1	1	19.81	19.85	19.76		
50	256QAM	1	1	19.86	19.87	19.76	20.0	1.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.83	19.90	19.83	21.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2510	2535	2555		
30	QPSK	1	1	19.84	19.92	19.76	21.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.77	19.86	19.80	21.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	1	19.87	19.88	19.83	21.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2552.5		
15	QPSK	1	1	19.87	19.87	19.83	21.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2558		
10	QPSK	1	1	19.80	19.84	19.79	21.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2557.5		
5	QPSK	1	1	19.77	19.86	19.76	21.5	0.0
Channel				500000	507000	514000		
Frequency (MHz)				2500	2535	2560		

n66 other PA Ant 2 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	346000	346000	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	23.05	22.88	22.93		
40	PI2 BPSK	1	108	22.91	23.04	22.96	24.5	0.0
40	PI2 BPSK	1	214	23.10	23.00	22.87		
40	PI2 BPSK	108	0	22.47	22.98	22.53		
40	PI2 BPSK	108	54	22.93	22.94	22.87	24.5	0.0
40	PI2 BPSK	108	108	22.57	22.44	22.51		
40	PI2 BPSK	216	0	22.59	22.54	22.43		
40	QPSK	1	1	23.01	23.15	23.04	24.5	0.0
40	QPSK	1	108	22.97	22.94	22.91		
40	QPSK	1	214	22.98	22.97	22.94		
40	QPSK	108	0	22.06	22.08	21.92	23.5	1.0
40	QPSK	108	54	23.06	23.12	22.96		
40	QPSK	108	108	22.01	22.04	22.00		
40	QPSK	216	0	22.02	22.19	22.00	23.5	1.0
40	16QAM	1	1	22.01	22.09	22.02		
40	64QAM	1	1	20.51	20.60	20.59		
40	256QAM	1	1	18.49	18.68	18.44	20.0	4.5
Channel				345000	346000	347000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.07	23.03	22.99	24.5	0.0
Channel				344500	346000	347500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.02	23.07	23.01	24.5	0.0
Channel				344000	346000	348000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.02	23.06	22.90	24.5	0.0
Channel				343500	346000	348500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.04	23.04	22.90	24.5	0.0
Channel				343000	346000	349000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.01	23.01	22.93	24.5	0.0
Channel				342500	346000	349500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.09	22.96	22.90	24.5	0.0
Channel				342000	346000	350000		
Frequency (MHz)				1710	1745	1780		

2.4GHz WLAN			Ant 6 Full power			Ant 6 Head Staircase		Ant 6 Head 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		
802.11b Mbps	1	2412	14.92	15.00	14.92	15.50	13.51	14.50	100.00	
	6	2437	15.06	15.00	16.62	17.50	13.57	14.50		
	11	2462	14.96	15.00	14.98	15.50	13.52	14.50		
	2	2417	15.72	16.50	14.72	15.50	13.71	14.50		
	7	2442	15.96	16.50	16.87	15.50	13.55	14.50		
	9	2452	15.53	16.50	14.90	15.50	13.56	14.50		
	10	2457	14.88	15.50	14.88	15.50	13.64	14.50		
	1	2412	16.26	17.00		17.00		14.50		
	6	2437	17.62	18.50		17.50		14.50		
	11	2462	17.53	18.00		17.50		14.50		
802.11n-HT20 MCS0	1	2412	17.82	18.50		17.50		14.50	96.77	
	6	2437	17.63	18.50	Not Required	17.50	Not Required	14.50		
	11	2462	17.43	18.00		17.50		14.50		
802.11n-HT40 MCS0	1	2412	15.07	16.00		16.00		14.50	95.89	
	6	2437	16.71	17.50		17.50		14.50		
	11	2462	15.70	16.50		16.50		14.50		

5.2GHz WLAN			Ant 6 Full power		Ant 6 Head Staircase		Ant 6 Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle
802.11a 6Mbps	36	5180	16.98	17.50		15.00		11.00	96.97
	40	5200	17.02	18.00		15.00		11.00	
	44	5220	16.91	17.50		15.00		11.00	
	48	5240	16.89	17.50		15.00		11.00	
802.11n-HT20 MCS0	36	5180	16.02	17.00	Not Required	15.00		11.00	96.77
	40	5200	15.91	16.50		15.00		11.00	
	44	5220	16.00	17.00		15.00		11.00	
	48	5240	15.79	16.50		15.00		11.00	
802.11n-HT40 MCS0	36	5190	14.11	15.00	14.11	15.00	Not Required	11.00	93.87
	40	5230	15.08	16.00	14.17	15.00		11.00	
	36	5180	16.08	17.00		15.00		11.00	
	40	5200	15.96	16.50		15.00		11.00	
802.11ac-VHT20 MCS0	44	5220	16.06	17.00		15.00		11.00	96.76
	48	5240	15.85	16.50		15.00		11.00	
	36	5190	15.90	16.50		15.00		11.00	
	48	5230	15.80	16.50		15.00		11.00	
802.11ac-VHT40 MCS0	48	5230	15.80	16.50		15.00		11.00	93.75
	42	5210	13.40	14.00	Not Required	14.00	10.35	11.00	
	36	5180	16.18	17.00		15.00		11.00	
	40	5200	16.07	17.00		15.00		11.00	
802.11ac-HE20 MCS0	44	5220	16.14	17.00		15.00		11.00	95.89
	48	5240	15.94	16.50		15.00		11.00	
	36	5190	14.24	15.00		15.00		11.00	
	48	5230	15.17	16.00		15.00		11.00	
802.11ac-HE40 MCS0	36	5190	14.24	15.00		15.00		11.00	92.46
	48	5230	15.17	16.00		15.00		11.00	
	42	5210	13.57	14.50		14.50	11.00	86.84	
	48	5230	15.17	16.00		15.00		11.00	

5.3GHz WLAN			Ant 6 Full power		Ant 6 Head Staircase		Ant 6 Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle
802.11a 6Mbps	52	5280	16.88	17.50		15.00		11.00	96.97
	56	5280	16.90	17.50		15.00		11.00	
	60	5300	16.96	18.00		15.00		11.00	
	64	5320	16.82	17.50		15.00		11.00	
802.11n-HT20 MCS0	52	5280	15.72	16.50	Not Required	15.00		11.00	96.77
	56	5280	15.93	16.50		15.00		11.00	
	60	5300	15.87	16.50		15.00		11.00	
	64	5320	15.84	16.50		15.00		11.00	
802.11n-HT40 MCS0	54	5270	14.01	14.00	14.15	15.00	Not Required	11.00	93.87
	62	5310	14.52	15.50	14.13	15.00		11.00	
	52	5280	15.79	16.50		15.00		11.00	
	56	5280	15.95	16.50		15.00		11.00	
802.11ac-VHT20 MCS0	60	5300	15.90	16.50		15.00		11.00	96.76
	64	5320	15.87	16.50		15.00		11.00	
	54	5270	15.88	16.50		15.00		11.00	
	62	5310	15.84	16.50		15.00		11.00	
802.11ac-VHT40 MCS0	58	5290	12.70	13.50	Not Required	13.50	10.47	11.00	88.19
	52	5280	15.86	16.50		15.00		11.00	
	56	5280	16.04	17.00		15.00		11.00	
	60	5300	16.00	17.00		15.00		11.00	
802.11ac-HE20 MCS0	64	5320	15.97	16.50		15.00	Not Required	11.00	95.89
	54	5270	15.12	16.00		15.00		11.00	
	62	5310	14.65	15.50		15.00		11.00	
	58	5290	12.84	13.50		13.50		11.00	
802.11ac-HE40 MCS0	54	5270	15.12	16.00		15.00		11.00	92.46
	62	5310	14.65	15.50		15.00		11.00	
802.11B-E-OFDM MCS0	58	5290	12.84	13.50		13.50		11.00	86.84

5.5GHz WLAN			Ant 6 Full power		Ant 6 Head Staircase		Ant 6 Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle
802.11a 6Mbps	100	5500	16.88	17.50		14.00		10.00	96.97
	116	5580	17.06	18.00		14.00		10.00	
	124	5620	17.16	18.00		14.00		10.00	
	132	5660	17.09	18.00		14.00		10.00	
	140	5700	12.49	13.00		13.00		10.00	
	144	5720	17.22	18.00		14.00		10.00	
	100	5500	15.89	16.50		14.00		10.00	
	116	5580	16.13	17.00		14.00		10.00	
802.11n-HT20 MCS0	124	5620	16.18	17.00		14.00		10.00	96.77
	132	5660	16.01	17.00		14.00		10.00	
	140	5700	11.50	12.50		12.50		10.00	
	144	5720	16.19	17.00		14.00		10.00	
	102	5510	13.80	14.50		14.00		10.00	
	110	5550	14.77	15.50		14.00		10.00	
	126	5630	15.20	16.00	Not Required	14.00	Not Required	10.00	
	134	5670	15.23	16.00		14.00		10.00	
802.11n-HT40 MCS0	142	5710	15.30	16.00		14.00		10.00	93.87
	100	5500	15.94	16.50		14.00		10.00	
	116	5580	16.17	17.00		14.00		10.00	
	124	5620	16.20	17.00		14.00		10.00	
	132	5660	16.06	17.00		14.00		10.00	
	140	5700	11.58	12.50		12.50		10.00	
	144	5720	16.22	17.00		14.00		10.00	
	102	5510	15.71	16.50		14.00		10.00	
802.11ac-VHT20 MCS0	110	5550	15.76	16.50		14.00		10.00	93.75
	126	5630	16.03	17.00		14.00		10.00	
	134	5670	15.94	16.50		14.00		10.00	
	142	5710	16.14	17.00		14.00		10.00	
	106	5530	13.30	14.00	13.03	14.00	9.31	10.00	
	122	5610	14.15	15.00	13.26	14.00	9.46	10.00	
	138	5690	14.01	15.00	13.14	14.00	9.38	10.00	
	100	5500	16.08	17.00		14.00		10.00	
802.11ac-HE20 MCS0	116	5580	16.24	17.00		14.00		10.00	95.89
	124	5620	16.29	17.00		14.00		10.00	
	132	5660	16.16	17.00		14.00		10.00	
	140	5700	11.54	12.50		12.50		10.00	
	144	5720	16.29	17.00		14.00		10.00	
	102	5510	13.94	14.50	Not Required	14.00	Not Required	10.00	
	110	5550	14.88	15.50		14.00		10.00	
	126	5630	15.30	16.00		14.00		10.00	
802.11ac-HE40 MCS0	134	5670	15.35	16.00		14.00		10.00	92.46
	142	5710	15.40	16.00		14.00		10.00	
	106	5530	13.43	14.00		14.00		10.00	
	122	5610	14.24	15.00		14.00		10.00	
	138	5690	14.13	15.00		14.00		10.00	
	100	5500	16.08	17.00		14.00		10.00	
	116	5580	16.24	17.00		14.00		10.00	
	124	5620	16.29	17.00		14.00		10.00	

5.8GHz WLAN				Ant 6 Full power		Ant 6 Head Staircase		Ant 6 Head Simultaneous		Body-worn&Airport Simulators	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	17.17	18.00			14.00	10.00		17.00	9

BT BR/EDR		ANT 6				
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	9.59	7.22	7.36	11.00
	CH 39	2441	7.72	5.06	5.33	9.00
	CH 78	2480	10.82	8.83	8.54	12.00

BLE_1M		ANT 6	
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.25
	CH 19	2440	6.91
	CH 39	2480	6.06
Tune-up Limit			8.00

BLE_2M		ANT 6	
Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	6.09
	CH 19	2440	7.06
	CH 39	2480	6.04
Tune-up Limit			8.50