

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

[¶] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power level/Default Power level for WWAN Main PA

Subsystem	Bandwidth Power (dBm)			Frequency Power (dBm)		
	Limit	18W	20W	Limit	18W	20W
TX Channel	18W	18W	20W	Limit	18W	20W
Frequency (MHz)	824.2	824.4	849.8	(MHz)	824.2	849.8
CDMA 1 Tx limit	32.19	32.10	32.08	33.60	23.19	23.08
CDMA 1 Tx limit	32.10	32.09	32.07	33.60	23.09	23.07
CDMA 2 Tx limit	28.13	28.07	28.00	30.50	23.13	22.87
CDMA 2 Tx limit	27.63	27.29	27.16	28.50	22.37	22.09
CDMA 4 Tx limit	26.92	26.74	23.06	27.50	22.92	22.74
EDGE 1 Tx limit	36.32	26.17	26.12	27.50	17.33	17.12
EDGE 2 Tx limit	22.30	23.12	23.01	24.50	17.33	17.01
EDGE 3 Tx limit	21.57	21.12	21.84	23.50	17.31	17.48
EDGE 4 Tx limit	20.10	20.28	20.16	21.50	17.33	17.16

WCDMA V and Default			
Band	4130	4182	4233
TX Channel	4130	4182	4233
Frequency (MHz)	442.4	442.4	442.4
SCPP Ref 00	24.36	24.45	24.25
SCPP Ref 00	24.36	24.45	24.27
SCPP Ref 01	23.02	23.09	22.41
SCPP Ref 01	23.04	23.11	22.07
SCPP Ref 01	22.82	22.94	22.12
SCPP Ref 01	22.88	22.87	22.40
SCPP Ref 01	21.43	21.44	21.36
SCPP Ref 01	21.40	21.43	21.23
SCPP Ref 01	22.90	22.92	22.80
SCPP Ref 01	22.75	22.86	22.87
SCPP Ref 01	21.30	21.31	21.35
SCPP Ref 01	21.42	21.40	21.35
SCPP Ref 01	21.32	21.35	21.35
SCPP Ref 01	21.47	21.54	21.23
SCPP Ref 01	20.32	20.42	20.25

Band 4 Ant0 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Power Max Ch / Freq. (dBm)	Power Min Ch / Freq. (dBm)	Time-up (min)	MPE (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	17.95	17.95	17.95					
20	QPSK	1	48	21.83	21.83	21.83	23.5	0			
20	QPSK	1	96	21.75	21.81	21.77					
20	QPSK	50	0	20.94	21.03	20.97					
20	QPSK	50	50	20.94	20.99	20.95	22.5	1			
20	QPSK	100	0	20.96	20.98	20.95					
20	16QAM	1	0	21.08	21.09	21.08					
20	16QAM	1	48	21.18	21.12	21.19	22.5	1			
20	16QAM	1	96	21.01	21.07	21.02					
20	16QAM	50	0	20.95	20.97	20.96					
20	16QAM	50	50	20.95	20.96	20.94	21.5	2			
20	16QAM	100	0	19.93	19.97	19.96					
20	256QAM	1	0	17.08	16.94	16.99	18.5	5			
20	256QAM	1	48	16.95	16.93	16.91					
20	256QAM	1	96	16.93	16.93	16.93					
20	256QAM	50	0	17.12	17.18	16.99	18.5	5			
20	256QAM	50	50	17.02	16.98	16.95					
20	256QAM	100	0	16.93	17.22	17.16					
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.72	21.70	21.75					
15	QPSK	1	37	21.72	21.62	21.65	23.5	0			
15	QPSK	1	74	21.69	21.62	21.61					
15	QPSK	36	0	20.87	20.87	20.83					
15	QPSK	36	36	20.77	20.82	20.77	22.5	1			
15	QPSK	36	72	20.73	20.79	20.84					
15	QPSK	75	0	20.88	20.77	20.86					
15	QPSK	75	36	20.88	20.91	20.81	22.5	1			
15	16QAM	1	0	21.08	21.10	21.12	22.5	1			
15	16QAM	1	48	21.08	21.08	21.08					
15	16QAM	36	0	19.87	19.86	19.79					
15	16QAM	36	36	19.88	19.87	19.74	21.5	2			
15	16QAM	36	72	19.88	19.87	19.86					
15	16QAM	75	0	19.88	19.74	19.83					
15	16QAM	1	0	20.07	20.05	19.98					
15	16QAM	1	48	19.74	19.73	19.73	21.5	2			
15	16QAM	1	96	19.84	19.86	19.86					
15	16QAM	36	0	19.91	19.87	19.86					
15	16QAM	36	36	19.82	19.89	19.89	20.5	3			
15	16QAM	36	72	19.88	19.77	19.78					
15	16QAM	75	0	19.94	19.84	19.86					
15	256QAM	1	0	17.08	16.98	16.95	18.5	5			
15	256QAM	1	36	16.98	16.74	16.72					
15	256QAM	1	72	17.12	17.11	16.97					
15	256QAM	36	0	16.88	16.78	16.71	18.5	5			
15	256QAM	36	36	16.88	16.78	16.71					
15	256QAM	75	0	16.93	17.27	16.98					
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.82	21.80	21.82					
10	QPSK	1	12	21.84	21.61	21.87	23.5	0			
10	QPSK	1	24	21.84	21.74	21.81					
10	QPSK	25	0	20.88	20.89	20.88					
10	QPSK	25	12	20.73	20.85	20.78	22.5	1			
10	QPSK	25	25	20.78	20.79	20.78					
10	QPSK	50	0	20.87	20.88	20.78					
10	16QAM	1	0	20.97	21.05	21.01	22.5	1			
10	16QAM	1	25	21.08	21.05	21.17					
10	16QAM	1	49	20.84	20.85	20.87					
10	16QAM	25	0	19.75	19.76	19.77	21.5	2			
10	16QAM	25	25	19.82	19.87	19.81					
10	16QAM	50	0	19.78	19.78	19.78					
10	16QAM	1	0	20.01	19.99	20.01	21.5	2			
10	16QAM	1	25	19.85	19.77	19.86					
10	16QAM	1	50	19.90	19.87	19.87					
10	16QAM	25	0	19.81	19.84	19.78	20.5	3			
10	16QAM	25	12	19.88	19.86	19.85					
10	16QAM	25	25	19.88	19.83	19.83					
10	16QAM	50	0	19.84	19.88	19.85					
10	256QAM	1	0	16.91	16.75	16.95	18.5	5			
10	256QAM	1	49	16.82	16.71	16.69					
10	256QAM	1	99	16.82	16.71	16.69					
10	256QAM	25	0	16.77	16.75	16.68	18.5	5			
10	256QAM	25	25	16.87	16.73	16.67					
10	256QAM	50	0	16.80	17.17	16.92					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.64	21.61	21.67	23.5	0			
5	QPSK	1	12	21.64	21.61	21.67					
5	QPSK	1	24	21.68	21.59	21.68					
5	QPSK	1	36	20.75	20.89	20.78	22.5	1			
5	QPSK	12	7	20.74	20.84	20.82					
5	QPSK	12	19	20.94	20.85	20.86					
5	QPSK	24	0	20.72	20.86	20.74	22.5	1			
5	16QAM	1	0	20.92	20.97	21.01	22.5	1			
5	16QAM	1	12	21.02	21.02	21.02					
5	16QAM	1	24	19.94	20.93	20.85					
5	16QAM	12	0	19.90	19.91	19.84					
5	16QAM	12	12	19.81	19.81	19.81	21.5	2			
5	16QAM	12	19	19.74	19.71	19.80					
5	16QAM	25	0	19.85	19.83	19.88					
5	16QAM	25	12	19.89	19.84	19.84	20.5	3			
5	16QAM	1	0	19.72	19.87	19.88	21.5	2			
5	16QAM	1	24	19.86	19.85	19.77					
5	16QAM	12	7	19.78	19.83	19.79	20.5	3			
5	16QAM	12	19	19.86	19.82	19.82					
5	16QAM	25	0	17.08	16.82	16.82	18.5	5			
5	16QAM	25	12	16.75	16.71	16.69					
5	16QAM	1	0	19.89	19.76	19.86					
5	16QAM	1	14	19.72	19.79	19.87					
5	16QAM	1	28	16.90	16.82	16.87	20.5	3			
5	16QAM	1	42	16.75	16.71	16.64					
5	16QAM	1	56	16.77	16.89	16.85					
5	16QAM	1	70	16.78	16.83	16.78					
5	16QAM	1	84	16.84	16.81	16.82					
5	16QAM	1	98	16.84	16.81	16.82					
5	16QAM	1	112	16.84	16.81	16.82					
5	16QAM	1	126	16.84	16.81	16.82					
5	16QAM	1	140	16.84	16.81	16.82					
5	16QAM	1	154	16.84	16.81	16.82					
5	16QAM	1	168	16.84	16.81	16.82					
5	16QAM	1	182	16.84	16.81	16.82					
5	16QAM	1	196	16.84	16.81	16.82					
5	16QAM	1	210	16.84	16.81	16.82					
5	16QAM	1	224	16.84	16.81	16.82					
5	16QAM	1	238	16.84	16.81	16.82					
5	16QAM	1	252	16.84	16.81	16.82					
5	16QAM	1	266	16.84	16.81	16.82					
5	16QAM	1	280	16.84	16.81	16.82					
5	16QAM	1	294	16.84	16.81	16.82					
5	16QAM	1	308	16.84	16.81	16.82					
5	16QAM	1	322	16.84	16.81	16.82					
5	16QAM	1	336	16.84	16.81	16.82					
5	16QAM	1	350	16.84	16.81	16.82					
5	16QAM	1	364	16.84	16.81	16.82					
5	16QAM	1	378	16.84	16.81	16.82					
5	16QAM	1	392	16.84	16.81	16.82					
5	16QAM	1	406	16.84	16.81	16.82					
5	16QAM	1	420	16.84	16.81	16.82					
5	16QAM	1	434	16.84	16.81	16.82					
5	16QAM	1	448	16.84	16.81	16.82					
5	16QAM	1	462	16.84	16.81	16.82					
5	16QAM	1	476	16.84	16.81	16.82					
5	16QAM	1	490	16.84	16.81	16.82					
5	16QAM	1	504	16.84	16.81	16.82					
5	16QAM	1	518	16.84	16.81	16.82					
5	16QAM	1	532	16.84	16.81	16.82					
5	16QAM	1	546	16.84	16.81	16.82					
5	16QAM	1	560	16.84	16.81	16.82					
5	16QAM	1	574	16.84	16.81	16.82					
5	16QAM	1	588	16.84	16.81	16.82					
5	16QAM	1	602	16.84	16.81	16.82					
5	16QAM	1	616	16.84	16.81	16.82					
5	16QAM	1	630	16.84	16.81	16.82					
5	16QAM	1	644	16.84	16.81	16.82					
5	16QAM	1	658	16.84	16.81	16.82					
5	16QAM	1	672	16.84	16.81	16.82					
5	16QAM	1	686	16.84	16.81	16.82					
5	16QAM	1	700	16.84	16.81	16.82					
5	16QAM	1	714	16.84	16.81	1					

Band 13 Ant0 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)				
Channel												
Frequency (MHz)												
762												
5	QPSK	1	0	23.30	23.30	23.30	24.5	0				
5	QPSK	1	25	23.33	23.33	23.33						
5	QPSK	1	49	23.33	23.33	23.33						
5	QPSK	1	49	23.33	23.33	23.33						
5	QPSK	25	12	22.50	22.50	22.50	23.5	1				
5	QPSK	25	25	22.44	22.44	22.44						
5	QPSK	25	25	22.44	22.44	22.44						
5	QPSK	25	25	22.44	22.44	22.44						
5	WQAM	1	0	22.28	22.28	22.28	23.5	1				
5	WQAM	1	25	22.43	22.43	22.43						
5	WQAM	1	49	22.59	22.59	22.59						
5	WQAM	25	0	21.49	21.49	21.49						
5	WQAM	25	12	21.59	21.59	21.59	22.5	2				
5	WQAM	25	25	21.59	21.59	21.59						
5	WQAM	50	0	20.35	20.35	20.35						
5	WQAM	50	0	21.49	21.49	21.49						
5	WQAM	25	0	21.53	21.53	21.53	22.5	2				
5	WQAM	1	25	21.54	21.54	21.54						
5	WQAM	1	49	21.62	21.62	21.62						
5	WQAM	25	12	20.46	20.46	20.46						
5	WQAM	25	12	20.53	20.53	20.53	21.5	3				
5	WQAM	25	25	20.46	20.46	20.46						
5	WQAM	50	0	19.35	19.35	19.35						
5	WQAM	50	0	19.46	19.46	19.46						
5	WQAM	25	0	18.51	18.51	18.51	19.5	5				
5	WQAM	25	12	18.42	18.42	18.42						
5	WQAM	25	25	18.44	18.44	18.44						
5	WQAM	50	0	18.53	18.53	18.53						
Channel												
Frequency (MHz)												
776.5							Turn-up time (min)	MPR (dB)				
5	QPSK	1	0	23.18	23.23	23.21						
5	QPSK	1	13	23.25	23.25	23.28						
5	QPSK	1	24	23.22	23.29	23.30						
5	QPSK	12	0	22.40	22.35	22.39	23.5	1				
5	QPSK	12	7	22.34	22.38	22.44						
5	QPSK	12	13	22.48	22.44	22.48						
5	QPSK	25	0	22.35	22.40	22.51						
5	WQAM	1	0	22.17	22.19	22.25	23.5	1				
5	WQAM	1	12	22.38	22.39	22.37						
5	WQAM	12	0	21.43	21.41	21.48						
5	WQAM	12	7	21.49	21.43	21.47						
5	WQAM	12	13	21.56	21.48	21.44	22.5	2				
5	WQAM	25	0	21.41	21.41	21.48						
5	WQAM	1	0	21.42	21.47	21.51						
5	WQAM	1	19	21.58	21.57	21.63						
5	WQAM	1	24	21.45	21.59	21.46	22.5	2				
5	WQAM	12	0	20.47	20.44	20.41						
5	WQAM	12	7	20.44	20.43	20.43						
5	WQAM	12	13	20.38	20.34	20.35						
5	WQAM	25	0	20.19	20.20	20.26	19.5	5				
5	WQAM	25	12	19.37	19.45	19.27						
5	WQAM	25	25	19.29	19.22	19.25						
5	WQAM	50	0	18.40	18.22	18.27						
5	WQAM	12	7	18.25	18.44	18.21	19.5	5				
5	WQAM	12	13	18.34	18.24	18.44						
5	WQAM	25	0	18.39	18.32	18.33						
5	WQAM	25	0	18.39	18.32	18.33						

Band 17 Ant0 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-on time (min)	MPR (dB)				
Channel												
Frequency (MHz)												
768												
5	QPSK	1	0	24.30	24.30	24.25	25.5	0				
5	QPSK	1	25	24.29	24.31	24.21						
5	QPSK	1	49	24.28	24.25	24.15						
5	QPSK	25	0	23.27	23.40	23.35						
5	QPSK	25	12	23.26	23.37	23.23	24.5	1				
5	QPSK	25	25	23.25	23.24	23.27						
5	QPSK	50	0	23.32	23.38	23.34						
5	WQAM	1	0	23.29	23.31	23.31						
5	WQAM	1	25	23.18	23.17	23.22	24.5	1				
5	WQAM	1	49	23.16	23.19	23.19						
5	WQAM	25	0	22.44	22.39	22.44						
5	WQAM	25	12	22.18	22.21	22.19						
5	WQAM	25	25	22.26	22.28	22.22	23.5	2				
5	WQAM	50	0	22.41	22.35	22.38						
5	WQAM	1	0	22.21	22.11	22.11						
5	WQAM	1	25	22.24	22.26	22.30						
5	WQAM	1	49	22.16	22.15	22.15	23.5	2				
5	WQAM	25	0	21.25	21.23	21.28						
5	WQAM	25	12	21.14	21.16	21.20						
5	WQAM	25	25	21.28	21.26	21.34						
5	WQAM	50	0	21.29	21.23	21.28	22.5	3				
5	WQAM	1	0	19.35	19.35	19.29						
5	WQAM	1	25	19.36	19.45	19.31						
5	WQAM	1	49	19.37	19.47	19.35						
5	WQAM	25	0	19.35	19.40	19.30	20.5	5				
5	WQAM	25	12	19.37	19.44	19.17						
5	WQAM	25	25	19.27	19.21	19.23						
5	WQAM	50	0	19.35	19.29	19.29						
Channel												
Frequency (MHz)												
768.5							Turn-on time (min)	MPR (dB)				
5	QPSK	1	0	24.18	24.18	24.19						
5	QPSK	1	14	23.29	24.32	23.55						
5	QPSK	1	24	24.17	24.17	24.04						
5	QPSK	12	0	23.14	23.16	23.19	24.5	1				
5	QPSK	12	7	23.28	23.29	23.30						
5	QPSK	12	13	23.15	23.11	23.14						
5	QPSK	25	0	23.28	23.24	23.19						
5	WQAM	1	0	23.18	23.21	23.27	24.5	1				
5	WQAM	1	12	23.08	23.13	23.13						
5	WQAM	12	7	22.03	22.08	22.13						
5	WQAM	12	13	22.21	22.22	22.07						
5	WQAM	25	0	22.57	22.52	22.53	23.5	2				
5	WQAM	25	12	22.23	22.23	22.23						
5	WQAM	1	0	22.03	21.98	22.09						
5	WQAM	1	12	22.09	22.14	22.09						
5	WQAM	1	24	22.04	22.08	22.12	22.5	3				
5	WQAM	12	0	21.21	21.22	21.22						
5	WQAM	12	7	21.05	21.13	21.09						
5	WQAM	12	13	21.19	21.20	21.28						
5	WQAM	25	0	21.15	21.21	21.17	20.5	5				
5	WQAM	25	12	21.02	21.07	21.02						
5	WQAM	25	25	20.91	20.92	20.95						
5	WQAM	50	0	20.91	20.85	20.95						
5	WQAM	12	7	19.18	19.42	19.84						
5	WQAM	12	13	19.24	19.26	19.26						
5	WQAM	25	0	19.23	19.15	19.23						



Band 38 Ant0(only on channel required)										
RF Bw (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.66	21.67	21.67	21.75	21.68		
20	QPSK	1	49	21.62	21.64	21.64	21.72	21.68	23	0
20	QPSK	1	98	21.58	21.60	21.60	21.78	21.68		
20	QPSK	50	0	20.53	20.55	20.55	20.70	20.67		
20	QPSK	50	24	20.49	20.48	20.48	20.74	20.67	22	1
20	QPSK	50	50	20.52	20.55	20.55	20.71	20.67		
20	HQAM	1	0	20.54	20.55	20.55	20.72	20.68		
20	HQAM	1	49	20.53	20.46	20.53	20.71	20.68	22	1
20	HQAM	1	99	20.44	20.40	20.46	20.74	20.68		
20	HQAM	50	0	19.46	19.48	19.48	19.72	19.68		
20	HQAM	50	24	19.38	19.43	19.39	19.78	19.68	21	2
20	HQAM	50	50	19.56	19.55	19.55	19.83	19.68		
20	HQAM	100	0	19.45	19.45	19.45	19.80	19.68		
20	HQAM	1	0	19.35	19.47	19.34	19.78	19.77	21	2
20	HQAM	1	49	19.44	19.38	19.35	19.89	19.84		
20	HQAM	1	99	19.51	19.45	19.46	19.86	19.84		
20	HQAM	50	0	18.51	18.52	18.50	18.77	18.77	20	3
20	HQAM	50	24	18.51	18.45	18.47	18.75	18.75		
20	HQAM	50	50	18.39	18.35	18.31	18.79	18.71		
20	HQAM	100	0	18.44	18.43	18.33	18.85	18.74		
20	ZSSGAM	1	0	18.53	18.49	18.43	18.81	18.62		
20	ZSSGAM	1	49	18.38	18.49	18.39	18.80	18.62	18	5
20	ZSSGAM	1	99	18.39	18.33	18.42	18.89	18.81		
20	ZSSGAM	50	0	18.46	18.68	18.51	18.74	18.59		
20	ZSSGAM	50	24	18.52	18.62	18.52	18.77	18.59	18	5
20	ZSSGAM	50	50	18.41	18.52	18.41	18.78	18.53		
20	ZSSGAM	100	0	18.55	18.62	18.55	18.81	18.55		
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.31	21.40	21.40	21.67	21.48		
15	QPSK	1	49	21.32	21.31	21.35	21.73	21.48	23	0
15	QPSK	1	98	21.38	21.41	21.34	21.80	21.48		
15	QPSK	50	0	20.51	20.51	20.51	20.70	20.67	22	1
15	QPSK	50	24	20.48	20.48	20.48	20.74	20.67		
15	QPSK	50	50	20.45	20.47	20.47	20.79	20.67	22	1
15	HQAM	1	0	20.59	20.48	20.52	20.81	20.67		
15	HQAM	1	49	20.47	19.53	19.27	20.79	20.67	20	3
15	HQAM	1	98	20.34	20.40	20.40	20.78	20.67		
15	HQAM	50	0	19.36	19.32	19.26	19.78	19.74	21	2
15	HQAM	50	24	19.23	19.42	19.30	19.78	19.68		
15	HQAM	50	50	19.57	19.43	19.49	19.81	19.78		
15	HQAM	75	0	19.37	19.41	19.43	19.78	19.74	21	2
15	HQAM	1	0	19.25	19.48	19.19	19.87	19.85		
15	HQAM	1	37	19.39	19.22	19.23	19.81	19.74	21	2
15	HQAM	1	99	19.41	19.35	19.37	19.89	19.81		
15	HQAM	50	0	18.55	18.58	18.59	18.79	18.78	20	3
15	HQAM	50	24	18.52	18.27	18.33	18.79	18.68		
15	HQAM	50	50	18.38	18.38	18.39	18.81	18.68		
15	HQAM	75	0	18.26	18.38	18.33	18.78	18.62		
15	ZSSGAM	1	0	18.35	18.38	18.39	18.81	18.68	18	5
15	ZSSGAM	1	37	18.25	18.24	18.33	18.81	18.68		
15	ZSSGAM	50	0	18.45	18.47	18.54	18.80	18.64	18	5
15	ZSSGAM	50	24	18.41	18.41	18.47	18.80	18.64		
15	ZSSGAM	50	50	18.29	18.44	18.40	18.81	18.64	18	5
15	ZSSGAM	75	0	18.47	18.53	18.27	18.81	18.64		
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.30	21.34	21.34	21.70	21.70		
10	QPSK	1	25	21.32	21.37	21.31	21.80	21.64	23	0
10	QPSK	1	50	21.37	21.41	21.35	21.85	21.64		
10	QPSK	25	0	20.38	20.47	20.48	20.68	20.67	22	1
10	QPSK	25	12	20.49	20.33	20.47	20.69	20.67		
10	QPSK	25	25	20.47	20.43	20.45	20.73	20.67	22	1
10	QPSK	50	0	20.53	20.51	20.59	20.68	20.78		
10	HQAM	1	0	20.52	20.43	20.43	20.70	20.64	22	1
10	HQAM	1	25	20.41	20.43	20.40	20.75	20.64		
10	HQAM	1	49	20.26	20.25	20.45	20.83	20.58		
10	HQAM	25	0	19.45	19.49	19.31	19.78	19.65	21	2
10	HQAM	25	12	19.24	19.37	19.25	19.78	19.78		
10	HQAM	25	25	19.52	19.46	19.45	19.81	19.68	21	2
10	HQAM	50	0	19.34	19.45	19.35	19.78	19.78		
10	HQAM	1	0	19.22	19.33	19.32	19.78	19.78	21	2
10	HQAM	1	25	19.27	19.38	19.37	19.78	19.78		
10	HQAM	1	49	19.42	19.38	19.38	19.78	19.78	20	3
10	HQAM	25	0	18.36	18.45	18.43	18.78	18.61		
10	HQAM	25	12	18.39	18.40	18.42	18.78	18.61		
10	HQAM	25	25	18.35	18.32	18.32	18.78	18.61	20	3
10	HQAM	50	0	18.43	18.37	18.38	18.78	18.61		
10	ZSSGAM	1	0	18.43	18.38	18.39	18.78	18.61	18	5
10	ZSSGAM	1	25	18.32	18.46	18.27	18.78	18.61		
10	ZSSGAM	1	49	18.23	18.17	18.45	18.78	18.61	18	5
10	ZSSGAM	25	0	18.30	18.55	18.59	18.78	18.61		
10	ZSSGAM	25	12	18.45	18.38	18.55	18.78	18.61	18	5
10	ZSSGAM	25	25	18.35	18.48	18.35	18.78	18.61		
10	ZSSGAM	50	0	18.45	18.48	18.25	18.78	18.61	18	5
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.36	21.44	21.44	21.80	21.80		
5	QPSK	1	25	21.38	21.44	21.40	21.85	21.68	23	0
5	QPSK	1	50	21.52	21.59	21.50	21.90	21.68		
5	QPSK	12	0	20.44	20.44	20.44	20.70	20.67	22	1
5	QPSK	12	7	20.51	20.36	20.45	20.71	20.67		
5	QPSK	12	13	20.47	20.47	20.43	20.72	20.67	22	1
5	QPSK	25	0	20.37	20.38	20.35	20.71	20.65		
5	HQAM	1	0	20.47	20.41	20.39	20.72	20.65	22	1
5	HQAM	1	12	20.45	20.35	20.45	20.72	20.65		
5	HQAM	1	24	20.42	20.31	20.46	20.71	20.70	21	2
5	HQAM	12	0	19.47	19.46	19.28	19.72	19.68		
5	HQAM	12	7	19.50	19.40	19.39	19.72	19.68	21	2
5	HQAM	12	13	19.45	19.44	19.32	19.72	19.68		
5	HQAM	25	0	19.46	19.32	19.28	19.72	19.68	21	2
5	HQAM	1	0	19.25	19.34	19.27	19.72	19.68		
5	HQAM	1	12	19.44	19.22	19.34	19.71	19.68	21	2
5	HQAM	1	24	19.52	19.44	19.33	19.71	19.68		
5	HQAM	12	0	18.51	18.54	18.35	18.68	18.61	20	3
5	HQAM	12	7	18.47	18.33	18.43	18.68	18.61		
5	HQAM	12	13	18.25	18.33	18.20	18.68	18.61	20	3
5	HQAM	25	0	18.42	18.40	18.26	18.75	18.64		
5	ZSSGAM	1	0	18.43	18.45	18.27	18.75	18.64	18	5
5	ZSSGAM	1	12	18.35	18.49	18.23	18.75	18.64		
5	ZSSGAM	1	24	18.38	18.20	18.39	18.75	18.67	18	5
5	ZSSGAM	12	0	18.47	18.57	18.39	18.75	18.65		
5	ZSSGAM	12	7	18.45	18.25	18.47	18.75	18.65	18	5
5	ZSSGAM	12	13	18.36	18.36	18.53	18.75	18.65		
5	ZSSGAM	25	0	18.43	18.54	18.53	18.75	18.64		

Band 41 Ant0 (2.6G Band)											
RF Bw (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.66	21.67	21.77	21.75	21.68			
20	QPSK	1	49	21.72	21.71	21.78	21.80	21.62	23	0	
20	QPSK	1	98	21.58	21.58	21.78	21.88	21.68			
20	QPSK	50	0	20.78	20.69	20.69	20.70	20.67			
20	QPSK	50	24	20.73	20.68	20.71	20.71	20.78	22	1	
20	QPSK	50	50	20.71	20.81	20.80	20.63	20.75			
20	QPSK	100	0	20.70	20.79	20.80	20.81	20.78			
20	HQAM	1	0	20.70	20.69	20.80	20.80	20.80			
20	HQAM	1	49	20.86	20.74	20.85	20.73	20.79	22	1	
20	HQAM	1	99	20.70	20.76	20.84	20.73	20.77			
20	HQAM	50	0	19.78	19.83	19.90	19.90	19.91	21	2	
20	HQAM	50	24	19.83	19.75	19.80	19.83	19.74			
20	HQAM	50	50	19.71	19.68	19.70	19.68	19.70			
20	HQAM	1	0	19.78	19.77	19.83	19.84	19.88			
20	HQAM	1	49	19.89	19.82	19.90	19.70	19.74	21	2	
20	HQAM	1	98	19.86	19.84	19.84	19.86	19.87			
20	HQAM	50	0	18.71	18.87	18.72	18.83	18.82			
20	HQAM	50	24	18.88	18.71	18.82	18.70	18.73	20	3	
20	HQAM	50	50	18.85	18.82	18.80	18.78	18.71			
20	HQAM	1	0	18.85	18.83	18.82	18.79	18.74			
20	HQAM	1	49	18.80	18.82	18.82	18.80	18.79	18	5	
20	HQAM	1	98	18.80	18.84	18.85	18.80	18.83			
20	HQAM	50	0	16.84	16.75	16.71	16.70	16.50			
20	HQAM	50	24	16.82	16.72	16.73	16.69	16.62	18	5	
20	HQAM	50	50	16.81	16.75	16.75	16.69	16.67			
20	HQAM	100	0	16.84	16.69	16.71	16.55	16.50			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.66	21.67	21.77	21.75	21.68			
20	QPSK	1	49	21.72	21.68	21.78	21.80	21.62	23	0	
20	QPSK	1	98	21.58	21.58	21.78	21.88	21.68			
20	QPSK	50	0	20.78	20.69	20.69	20.70	20.67			
20	QPSK	50	24	20.54	20.63	20.68	20.66	20.83	22	1	
20	QPSK	50	50	20.55	20.51	20.59	20.57	20.69			
20	QPSK	100	0	20.55	20.75	20.76	20.54	20.71			
20	HQAM	1	0	20.70	20.69	20.80	20.80	20.80			
20	HQAM	1	49	20.88	20.44	20.75	20.56	20.72			
20	HQAM	1	99	20.72	20.65	20.76	20.55	20.52			
20	HQAM	50	0	20.44	20.58	20.58	20.57	20.73	21	2	
20	HQAM	50	24	19.70	19.81	19.80	19.50	19.54			
20	HQAM	50	50	19.71	19.66	19.68	19.78	19.68	21	2	
20	HQAM	1	0	19.81	19.84	19.84	19.83	19.79			
20	HQAM	1	49	19.81	19.64	19.84	19.50	19.53	20	3	
20	HQAM	1	98	18.84	18.81	18.84	18.52	18.60			
20	HQAM	50	0	18.81	18.66	18.66	18.50	18.54			
20	HQAM	50	24	18.84	18.54	18.54	18.75	18.62			
20	HQAM	50	50	18.84	18.84	18.86	18.60	18.62	18	5	
20	HQAM	1	0	16.84	16.63	16.68	16.68	16.68			
20	HQAM	1	49	16.85	16.47	16.54	16.60	16.54			
20	HQAM	1	98	16.84	16.60	16.71	16.67	16.60			
20	HQAM	50	0	16.86	16.70	16.70	16.58	16.58	18	5	
20	HQAM	50	24	16.83	16.56	16.61	16.46	16.58			
20	HQAM	50	50	16.76	16.70	16.70	16.40	16.46			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.66	21.67	21.77	21.75	21.68			
20	QPSK	1	49	21.63	21.72	21.64	21.51	21.48	23	0	
20	QPSK	1	98	21.68	21.67	21.74	21.70	21.60			
20	QPSK	50	0	20.70	20.60	20.68	20.67	20.60			
20	QPSK	50	24	20.55	20.53	20.74	20.69	20.57	22	1	
20	QPSK	50	50	20.58	20.65	20.68	20.68	20.70			
20	QPSK	100	0	20.56	20.67	20.70	20.58	20.78			
20	HQAM	1	0	20.70	20.53	20.67	20.51	20.54			
20	HQAM	1	49	20.83	20.14	20.79	20.64	20.71	22	1	
20	HQAM	1	98	20.66	20.74	20.63	20.53	20.56			
20	HQAM	50	0	19.76	19.65	19.70	19.62	19.73	21	2	
20	HQAM	50	24	19.72	19.66	19.76	19.73	19.78			
20	HQAM	50	50	19.84	19.55	19.74	19.49	19.60			
20	HQAM	1	0	19.81	19.47	19.79	19.73	19.79	20	3	
20	HQAM	1	49	19.79	19.79	19.69	19.69	19.62			
20	HQAM	1	98	18.77	19.38	19.78	19.78	19.78	21	2	
20	HQAM	1	99	19.77	19.88	19.70	19.54	19.74			
20	HQAM	50	0	18.84	18.51	18.83	18.63	18.40			
20	HQAM	50	24	18.87	18.84	18.84	18.59	18.57			
20	HQAM	50	50	18.81	19.58	19.70	19.54	18.64	20	3	
20	HQAM	1	0	18.83	18.68	18.70	18.68	18.68			
20	HQAM	1	49	18.68	18.60	18.60	18.68	18.63			
20	HQAM	1	98	18.70	18.48	18.76	18.68	18.70	18	5	
20	HQAM	50	0	18.68	18.67	18.68	18.68	18.68			
20	HQAM	50	24	16.80	16.55	16.84	16.66	16.59			
20	HQAM	50	50	16.87	16.87	16.83	16.48	16.42	18	5	
20	HQAM	100	0	16.80	16.87	16.87	16.55	16.48			
20	HQAM	50	0	16.83	16.80	16.76	16.52	16.48			
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.67	21.68	21.69	21.66	21.67			
20	QPSK	1	49	21.87	21.67	21.62	21.68	21.61	23	0	
20	QPSK	1	98	21.66	21.66	21.74	21.72	21.61			
20	QPSK	1	24	21.64	21.69	21.63	21.50	21.63			
20	QPSK	12	0	20.70	20.60	20.67	20.62	20.50			
20	QPSK	12	49	20.58	20.58	20.79	20.68	20.71	22	1	
20	QPSK	12	98	20.67	20.66	20.76	20.62	20.62			
20	QPSK	12	13	20.63	20.73	20.65	20.54	20.65			
20	HQAM	1	0	20.68	20.45	20.72	20.59	20.45			
20	HQAM	1	12	20.82	20.88	20.74	20.55	20.62	22	1	
20	HQAM	1	49	20.87	20.75	20.82	20.68	20.79			
20	HQAM	12	0	19.85	19.78	19.62	19.55	19.57			
20	HQAM	12	49	19.89	19.65	19.77	19.58	19.67	21	2	
20	HQAM	12	98	19.82	19.54	19.78	19.42	19.68			
20	HQAM	12	13	19.70	19.47	19.72	19.63	19.78			
20	HQAM	1	0	19.65	19.78	19.78	19.58	19.68	20	3	
20	HQAM	1	49	19.68	19.78	19.78	19.63	19.71	21	2	
20	HQAM	1	98	19.75	19.68	19.68	19.58	19.74			
20	HQAM	12	0	18.84	18.81	18.87	18.45	18.59			
20	HQAM	12	49	18.88	18.84	18.84	18.53	18.59	20	3	
20	HQAM	1	0	18.57	18.83	18.60	18.75	18.64			
20	HQAM	1	49	18.63	18.61	18.62	18.66	18.45			
20	HQAM	1	98	18.79	18.62	18.79	18.65	19.79	18	5	
20	HQAM	1	24	18.68	18.54	18.68	18.58	18.67			
20	HQAM	12	0	16.80	16.69	16.69	16.58	16.67			
20	HQAM	12	49	16.82	16.62	16.65	16.55	16.57			
20	HQAM	12	98	16.82	16.55	16.64	16.65	16.51	18	5	

Band 48_FCC															
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 freq (MHz)	MFR (dB)						
Channel				55360	55840	56360	56840								
Frequency (MHz)				3590	3600	3610	3690								
20	QPSK	1	0	21.35	21.40	21.43	21.25	23	0						
20	QPSK	1	40	21.42	21.44	21.34	21.43								
20	QPSK	1	80	21.44	21.46	21.35	21.43								
20	QPSK	30	0	20.52	20.52	20.58	20.48								
20	QPSK	30	34	20.58	20.46	20.50	20.53	22	1						
20	QPSK	30	60	20.59	20.53	20.61	20.59								
20	QPSK	100	0	20.42	20.48	20.45	20.58								
20	16QAM	1	0	20.63	20.57	20.55	20.57								
20	16QAM	1	40	20.71	20.64	20.68	20.65	22	1						
20	16QAM	1	80	20.58	20.59	20.57	20.59								
20	16QAM	30	0	19.63	19.67	19.67	19.63								
20	16QAM	30	34	19.64	19.59	19.60	19.67								
20	16QAM	30	60	19.47	19.52	19.48	19.51	21	2						
20	64QAM	1	0	19.60	19.57	19.57	19.64								
20	64QAM	1	40	19.42	19.36	19.46	19.42								
20	64QAM	1	80	19.55	19.46	19.46	19.55								
20	64QAM	30	0	18.61	18.62	18.60	18.64	20	3						
20	64QAM	30	34	18.49	18.51	18.50	18.55								
20	64QAM	50	50	18.66	18.60	18.64	18.64								
20	64QAM	100	0	18.55	18.45	18.51	18.55								
20	256QAM	1	0	18.67	18.48	18.48	18.34	18	5						
20	256QAM	1	40	18.47	18.63	18.34	18.49								
20	256QAM	1	80	18.52	18.56	18.37	18.62								
20	256QAM	30	0	18.61	18.77	18.74	18.49								
20	256QAM	30	34	18.63	18.50	18.55	18.67								
20	256QAM	30	60	18.60	18.61	18.78	18.70								
20	256QAM	100	0	18.54	18.58	18.44	18.50	Tune-up freq (MHz)				MFR (dB)			
Channel				55310	55950	56590	57230								
Frequency (MHz)				3527.5	3600	3642	3692.5								
15	QPSK	1	0	21.21	21.31	21.40	21.24	23	0						
15	QPSK	1	37	21.31	21.33	21.12	21.57								
15	QPSK	1	74	21.31	21.35	21.29	21.40								
15	QPSK	30	0	20.48	20.45	20.47	20.41								
15	QPSK	30	30	20.45	20.40	20.43	20.39	22	1						
15	QPSK	30	60	20.48	20.40	20.49	20.44								
15	QPSK	1	0	20.37	20.30	20.31	20.28								
15	16QAM	1	0	20.52	20.54	20.50	20.47								
15	16QAM	1	37	20.58	20.56	20.56	20.55	22	1						
15	16QAM	1	74	20.52	20.43	20.52	20.52								
15	16QAM	30	0	19.55	19.55	19.64	19.65								
15	16QAM	30	30	19.58	19.51	19.47	19.57								
15	16QAM	30	60	19.37	19.41	19.43	19.43	21	2						
15	16QAM	75	0	19.35	19.45	19.40	19.40								
15	64QAM	1	0	19.49	19.51	19.48	19.58								
15	64QAM	1	37	19.38	19.29	19.41	19.53								
15	64QAM	1	74	19.47	19.42	19.36	19.51	21	2						
15	64QAM	30	0	18.55	18.56	18.55	18.50								
15	64QAM	30	30	18.38	18.47	18.35	18.50								
15	64QAM	30	60	18.52	18.47	18.53	18.49								
15	64QAM	75	0	18.49	18.32	18.48	18.41	20	3						
15	256QAM	1	0	18.42	18.42	18.42	18.42								
15	256QAM	1	37	18.35	18.27	18.27	18.45								
15	256QAM	1	74	18.52	18.52	18.17	18.56								
15	256QAM	30	0	18.50	18.63	18.64	18.35	18	5						
15	256QAM	30	30	18.58	18.54	18.42	18.48								
15	256QAM	30	60	18.67	18.51	18.71	18.50								
15	256QAM	75	0	18.49	18.43	18.24	18.35								
Channel				55290	55810	56360	56980	Tune-up freq (MHz) <td>MFR (dB)</td>				MFR (dB)			
Frequency (MHz)				3522.5	35950	3643	3697.5								
10	QPSK	1	0	21.27	21.44	21.41	21.24	23	0						
10	QPSK	1	25	21.35	21.33	21.13	21.53								
10	QPSK	1	40	21.41	21.45	21.24	21.52								
10	QPSK	20	0	20.53	20.46	20.52	20.38								
10	QPSK	25	12	20.48	20.32	20.50	20.43	22	1						
10	QPSK	25	25	20.54	20.45	20.51	20.45								
10	QPSK	30	0	20.35	20.37	20.37	20.25								
10	16QAM	1	0	20.56	20.44	20.42	20.51								
10	16QAM	1	25	20.82	20.58	20.64	20.60	22	1						
10	16QAM	1	40	20.44	20.54	20.52	20.44								
10	16QAM	20	0	19.48	19.54	19.54	19.60								
10	16QAM	20	12	19.56	19.54	19.52	19.49								
10	16QAM	20	20	19.41	19.44	19.52	19.51	21	2						
10	16QAM	30	0	19.41	19.42	19.39	19.41								
10	64QAM	1	0	19.48	19.49	19.45	19.61								
10	64QAM	1	20	19.33	19.32	19.36	19.30								
10	64QAM	1	40	19.43	19.37	19.39	19.48	21	2						
10	64QAM	25	0	18.57	18.54	18.61	18.59								
10	64QAM	25	12	18.44	18.40	18.38	18.48								
10	64QAM	30	0	18.67	18.54	18.60	18.51								
10	256QAM	1	0	18.49	18.32	18.50	18.41	20	3						
10	256QAM	1	0	18.51	18.38	18.43	18.52								
10	256QAM	1	25	18.52	18.40	18.23	18.58								
10	256QAM	1	40	18.52	18.53	18.17	18.47								
10	256QAM	20	0	18.47	18.50	18.75	18.49	18	5						
10	256QAM	20	12	18.64	18.57	18.57	18.64								
10	256QAM	25	25	18.56	18.47	18.74	18.68								
10	256QAM	30	0	18.43	18.58	18.32	18.59								
Channel				55290	55950	56510	57170	Tune-up freq (MHz) <td>MFR (dB)</td>				MFR (dB)			
Frequency (MHz)				3522.5	3600	3643	3697.5								
5	QPSK	1	0	21.22	21.38	21.41	21.15	23	0						
5	QPSK	1	12	21.52	21.50	21.11	21.28								
5	QPSK	1	24	21.37	21.30	21.22	21.50								
5	QPSK	12	0	20.55	20.39	20.45	20.20								
5	QPSK	12	7	20.42	20.43	20.38	20.45	22	1						
5	QPSK	12	13	20.54	20.49	20.51	20.50								
5	QPSK	20	0	20.42	20.34	20.34	20.34								
5	16QAM	1	0	20.80	20.46	20.48	20.47								
5	16QAM	1	12	20.64	20.50	20.64	20.52	22	1						
5	16QAM	1	24	20.53	20.48	20.46	20.49								
5	16QAM	12	0	19.51	19.54	19.60	19.59								
5	16QAM	20	7	19.61	19.55	19.45	19.60								
5	16QAM	12	13	19.40	19.45	19.38	19.52	21	2						
5	16QAM	25	0	19.38	19.44	19.39	19.45								
5	64QAM	1	0	19.48	19.46	19.53	19.60	21	2						
5	64QAM	1	12	19.31	19.30	19.33	19.33								
5	64QAM	1	24	19.33	19.33	19.33	19.33	20	3						
5	64QAM	12	0	18.54	18.50	18.59	18.53								
5	64QAM	12	7	18.35	18.48	18.39	18.50	20	3						
5	64QAM	12	13	18.57	18.52	18.48	18.63								
5	64QAM	20	0	18.45	18.42	18.44	18.45	18	5						
5	64QAM	20	7	18.67	18.48	18.66	18.51								
5	256QAM	1	0	18.29	18.60	18.33	18.46	18	5						
5	256QAM	1	24	18.41	18.56	18.35	18.57								
5	256QAM	12	0	18.52	18.73	18.73	18.68								
5	256QAM	12	7	18.61	18.61	18.51	18.62								
5	256QAM	12	13	18.63	18.51	18.62	18.60								
5	256QAM	20	0	18.35	18.65	18.35	18.51								

GSM-R Ant1 Default						
Channel	Power Average Power (dBm)			Power Average Power (dBm)		
TX Channel	Min	Max	BS1 Limit	Low-up	High-up	Low-up Limit
Frequency (MHz)	254.2	374.6	381.8	254.2	374.6	381.8
GSM-R Tx ant1	23.35	32.18	33.18	33.50	23.35	23.18
GNSS-1 Tx ant1	32.33	32.39	32.17	33.50	23.33	23.17
GNSS-2 Tx ant1	23.53	23.01	23.81	33.50	23.53	23.01
GNSS-3 Tx ant1	28.43	28.19	27.99	28.50	24.23	23.73
GNSS-4 Tx ant1	28.38	28.38	27.99	27.99	23.38	23.38
EDGE-1 Tx ant1	26.32	26.45	25.01	27.50	17.30	17.01
EDGE-2 Tx ant1	21.43	23.42	23.21	24.50	17.43	17.21
EDGE-3 Tx ant1	21.30	21.75	21.43	22.50	17.37	17.32
EDGE-4 Tx ant1	20.51	20.42	20.27	21.50	17.51	17.27

WCDMA-V Ant1 Default						
Band	WCDMA-V			Power Average Power (dBm)		
TX Channel	41.52	41.52	42.53	Low-up	High-up	Low-up Limit
TX Channel	44.52	44.52	44.53	Low-up	High-up	Low-up Limit
Frequency (MHz)	214.2	214.6	214.6	254.2	374.6	381.8
SCPP Rel 80	24.47	24.50	24.45	25.50		
SCPP Rel 81	24.48	24.51	24.46	25.50		
SCPP Rel 82	23.60	23.60	23.50	24.50		
SCPP Rel 83	23.50	23.53	23.50	24.50		
SCPP Rel 84	23.50	23.50	23.44	24.50		
SCPP Rel 85	23.38	23.28	23.24	24.50		
SCPP Rel 86	23.58	23.51	23.48	24.50		
SCPP Rel 87	23.57	23.50	23.51	24.50		
SCPP Rel 88	23.14	23.06	23.04	24.50		
SCPP Rel 89	23.14	23.11	23.07	24.50		
SCPP Rel 90	23.64	23.64	23.52	24.50		
SCPP Rel 91	21.69	21.77	21.75	22.50		
SCPP Rel 92	22.77	22.67	22.47	23.50		
SCPP Rel 93	21.74	21.59	21.56	22.50		
SCPP Rel 94	21.98	21.50	21.50	24.50		

Band 5 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mod Ch./Freq.	Power High Ch./Freq.	Turn-on Time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.08	24.22	24.17	25.5	0				
10	QPSK	1	25	24.04	24.18	24.13						
10	QPSK	1	40	23.96	24.13	24.02						
10	QPSK	35	0	23.97	23.16	23.15						
10	QPSK	35	12	23.84	23.13	23.03						
10	QPSK	35	25	23.92	23.16	23.07	24.5	1				
10	QPSK	35	0	23.08	23.13	23.04						
10	HQAM	1	0	23.28	23.29	23.35						
10	HQAM	1	25	23.23	23.25	23.30						
10	HQAM	40	0	23.24	23.14	23.12						
10	HQAM	25	0	22.35	22.32	22.37	23.5	2				
10	HQAM	25	12	22.32	22.35	22.31						
10	HQAM	25	25	22.38	22.32	22.35						
10	HQAM	50	0	22.38	22.43	22.57						
10	HQAM	50	0	22.36	22.39	22.46						
10	HQAM	1	25	22.12	22.14	22.13	23.5	2				
10	HQAM	1	40	22.23	22.10	22.24						
10	HQAM	25	0	22.20	22.18	22.18						
10	HQAM	25	12	21.20	21.25	21.34						
10	HQAM	25	25	21.22	21.17	21.25						
10	HQAM	50	0	21.09	21.05	21.05	22.5	3				
10	ZSSBQAM	1	0	19.21	19.38	19.26						
10	ZSSBQAM	1	25	19.33	19.28	19.31						
10	ZSSBQAM	25	0	19.27	19.32	19.37						
10	ZSSBQAM	25	12	19.25	19.30	19.35						
10	ZSSBQAM	25	25	19.31	19.45	19.39	20.5	5				
10	ZSSBQAM	50	0	19.28	19.31	19.28						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.97	24.08	24.11				25.5	0	
5	QPSK	1	19	24.16	24.08	24.01						
5	QPSK	1	24	23.85	24.08	23.88						
5	QPSK	12	0	23.12	23.03	23.09						
5	QPSK	12	7	23.07	23.02	23.07						
5	QPSK	12	13	23.21	23.09	23.24	24.5	1				
5	QPSK	25	0	23.06	23.03	23.34						
5	HQAM	1	0	23.15	23.29	23.32						
5	HQAM	1	12	23.14	23.21	23.25						
5	HQAM	12	0	22.23	22.32	22.28						
5	HQAM	12	7	22.40	22.36	22.47	23.5	2				
5	HQAM	12	13	22.35	22.34	22.31						
5	HQAM	25	0	22.28	22.31	22.48						
5	HQAM	1	0	22.19	22.16	22.06						
5	HQAM	1	12	22.04	22.05	22.04						
5	HQAM	1	24	22.10	22.01	22.19	22.5	3				
5	HQAM	12	0	21.15	21.13	21.04						
5	HQAM	12	7	21.09	21.13	21.25						
5	HQAM	12	13	21.18	21.13	21.10						
5	HQAM	25	0	20.97	20.94	20.91						
5	ZSSBQAM	1	0	19.15	19.28	19.17	20.5	5				
5	ZSSBQAM	1	12	19.30	19.19	19.14						
5	ZSSBQAM	1	24	19.24	19.14	19.16						
5	ZSSBQAM	12	0	19.15	19.15	19.25						
5	ZSSBQAM	12	7	19.14	19.17	19.04						
5	ZSSBQAM	12	13	19.15	19.16	19.15	20.5	5				
5	ZSSBQAM	25	0	19.15	19.25	19.21						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.95	24.15	24.08				25.5	0	
3	QPSK	1	8	24.12	24.04	24.07						
3	QPSK	1	14	23.88	24.03	24.04						
3	QPSK	8	0	23.08	23.03	23.03						
3	QPSK	8	4	23.05	23.03	22.99						
3	QPSK	8	7	23.22	23.12	23.19	24.5	1				
3	QPSK	16	0	23.05	22.98	22.96						
3	HQAM	1	0	23.15	23.16	23.29						
3	HQAM	1	8	23.14	23.18	23.21						
3	HQAM	1	14	23.14	23.10	22.97						
3	HQAM	8	0	22.39	22.32	22.34	23.5	2				
3	HQAM	8	4	22.38	22.31	22.38						
3	HQAM	8	7	22.34	22.19	22.25						
3	HQAM	16	0	22.33	22.33	22.42						
3	HQAM	1	0	22.20	22.11	22.15						
3	HQAM	1	8	22.08	22.01	22.05	22.5	3				
3	HQAM	1	14	22.31	22.00	22.21						
3	HQAM	8	0	21.24	21.10	21.09						
3	HQAM	8	4	21.08	21.11	21.26						
3	HQAM	8	7	21.10	21.07	21.16						
3	HQAM	16	0	20.99	20.93	20.95	20.5	5				
3	ZSSBQAM	1	0	19.04	19.26	19.16						
3	ZSSBQAM	1	8	19.21	19.25	19.15						
3	ZSSBQAM	1	14	19.08	19.27	19.13						
3	ZSSBQAM	8	0	19.26	19.26	19.26						
3	ZSSBQAM	8	4	19.16	19.07	19.15	20.5	5				
3	ZSSBQAM	8	7	19.10	19.06	19.14						
3	ZSSBQAM	16	0	19.20	19.25	19.09						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.99	24.09	24.12				25.5	0	
1.4	QPSK	1	3	24.17	24.15	24.10						
1.4	QPSK	1	5	23.88	24.04	24.02						
1.4	QPSK	3	0	23.83	23.98	24.01						
1.4	QPSK	3	1	24.08	23.98	23.98						
1.4	QPSK	3	3	23.73	24.02	23.75	24.5	1				
1.4	QPSK	8	0	23.06	23.04	23.04						
1.4	HQAM	1	0	22.95	22.95	22.92						
1.4	HQAM	1	3	23.16	23.21	23.26						
1.4	HQAM	1	5	22.98	22.99	22.95						
1.4	HQAM	3	0	23.22	23.23	23.24	23.5	2				
1.4	HQAM	3	1	23.16	23.21	23.26						
1.4	HQAM	3	3	23.20	23.04	23.01						
1.4	HQAM	6	0	22.31	22.24	22.27						
1.4	HQAM	6	3	22.38	22.41	22.37						
1.4	HQAM	1	3	22.10	22.18	22.28	23.5	2				
1.4	HQAM	1	6	22.25	22.33	22.51						
1.4	HQAM	3	1	22.18	22.17	22.08						
1.4	HQAM	3	1	22.01	22.04	22.02						
1.4	HQAM	6	3	22.15	22.06	22.18						
1.4	ZSSBQAM	1	0	19.11	19.18	19.14	22.5	3				
1.4	ZSSBQAM	1	3	19.26	19.14	19.26						
1.4	ZSSBQAM	1	5	19.24	19.13	19.19						
1.4	ZSSBQAM	3	0	19.24	19.29	19.30						
1.4	ZSSBQAM	3	1	19.18	19.04	19.07						
1.4	ZSSBQAM	3	3	19.19	19.09	19.15	20.5	5				
1.4	ZSSBQAM	6	0	19.24	19.21	19.15						

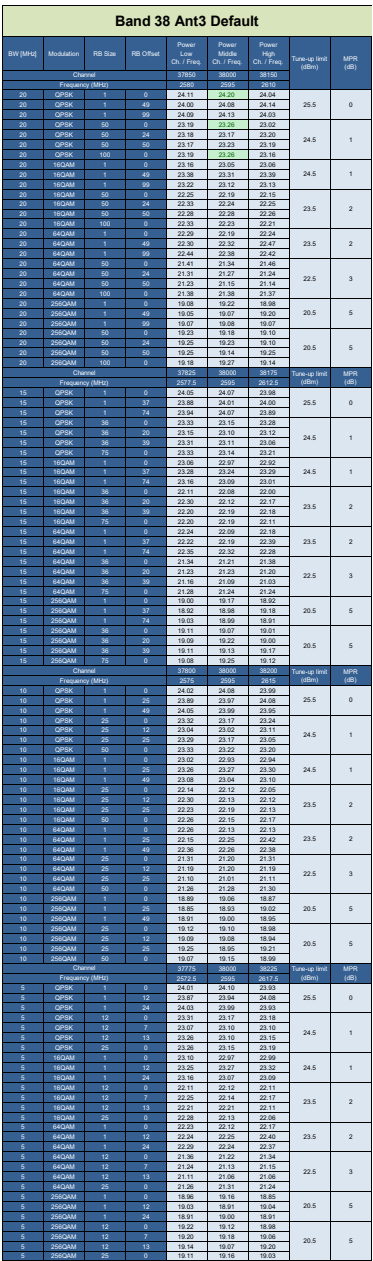
Band 12 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mod Ch./Freq.	Power High Ch./Freq.	Turn-up Time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
				701	701.5	711			
10	QPSK	1	0	24.23	24.26	24.16	25.5	0	
10	QPSK	1	25	24.21	24.22	24.16			
10	QPSK	1	40	24.18	24.09	24.11			
10	QPSK	35	0	23.16	23.18	23.16			
10	QPSK	35	12	23.11	23.12	23.17	24.5	1	
10	QPSK	35	25	23.10	23.12	23.14			
10	HQAM	1	0	23.05	23.04	23.05			
10	HQAM	1	25	23.21	23.38	23.21			
10	HQAM	1	40	23.18	23.29	23.18	23.5	2	
10	HQAM	35	0	22.12	22.13	22.12			
10	HQAM	35	12	22.13	22.16	22.18			
10	HQAM	35	25	22.20	22.18	22.17			
10	HQAM	35	38	22.17	22.17	22.25	23.5	2	
10	HQAM	35	51	22.18	22.17	22.25			
10	HQAM	35	64	22.17	22.05	22.26			
10	HQAM	35	77	22.16	22.09	22.26			
10	HQAM	35	90	22.15	22.11	23.12	20.5	5	
10	HQAM	35	103	22.15	22.11	23.12			
10	HQAM	35	116	22.14	22.05	23.12			
10	HQAM	35	129	22.14	22.05	23.12			
10	HQAM	35	142	22.13	22.05	23.12	20.5	5	
10	HQAM	35	155	22.12	22.05	23.12			
10	HQAM	35	168	22.11	22.05	23.12			
10	HQAM	35	181	22.10	22.05	23.12			
10	HQAM	35	194	22.09	22.05	23.12	20.5	5	
10	HQAM	35	207	22.08	22.05	23.12			
10	HQAM	35	220	22.07	22.05	23.12			
10	HQAM	35	233	22.06	22.05	23.12			
10	HQAM	35	246	22.05	22.05	23.12	20.5	5	
10	HQAM	35	259	22.04	22.05	23.12			
10	HQAM	35	272	22.03	22.05	23.12			
10	HQAM	35	285	22.02	22.05	23.12			
10	HQAM	35	298	22.01	22.05	23.12	20.5	5	
10	HQAM	35	311	22.00	22.05	23.12			
10	HQAM	35	324	21.99	22.00	23.12			
10	HQAM	35	337	21.98	22.00	23.12			
10	HQAM	35	350	21.97	22.00	23.12	20.5	5	
10	HQAM	35	363	21.96	22.00	23.12			
10	HQAM	35	376	21.95	22.00	23.12			
10	HQAM	35	389	21.94	22.00	23.12			
10	HQAM	35	402	21.93	22.00	23.12	20.5	5	
10	HQAM	35	415	21.92	22.00	23.12			
10	HQAM	35	428	21.91	22.00	23.12			
10	HQAM	35	441	21.90	22.00	23.12			
10	HQAM	35	454	21.89	22.00	23.12	20.5	5	
10	HQAM	35	467	21.88	22.00	23.12			
10	HQAM	35	480	21.87	22.00	23.12			
10	HQAM	35	493	21.86	22.00	23.12			
10	HQAM	35	506	21.85	22.00	23.12	20.5	5	
10	HQAM	35	519	21.84	22.00	23.12			
10	HQAM	35	532	21.83	22.00	23.12			
10	HQAM	35	545	21.82	22.00	23.12			
10	HQAM	35	558	21.81	22.00	23.12	20.5	5	
10	HQAM	35	571	21.80	22.00	23.12			
10	HQAM	35	584	21.79	22.00	23.12			
10	HQAM	35	597	21.78	22.00	23.12			
10	HQAM	35	610	21.77	22.00	23.12	20.5	5	
10	HQAM	35	623	21.76	22.00	23.12			
10	HQAM	35	636	21.75	22.00	23.12			
10	HQAM	35	649	21.74	22.00	23.12			
10	HQAM	35	662	21.73	22.00	23.12	20.5	5	
10	HQAM	35	675	21.72	22.00	23.12			
10	HQAM	35	688	21.71	22.00	23.12			
10	HQAM	35	701	21.70	22.00	23.12			
10	HQAM	35	714	21.69	22.00	23.12	20.5	5	
10	HQAM	35	727	21.68	22.00	23.12			
10	HQAM	35	740	21.67	22.00	23.12			
10	HQAM	35	753	21.66	22.00	23.12			
10	HQAM	35	766	21.65	22.00	23.12	20.5	5	
10	HQAM	35	779	21.64	22.00	23.12			
10	HQAM	35	792	21.63	22.00	23.12			
10	HQAM	35	805	21.62	22.00	23.12			
10	HQAM	35	818	21.61	22.00	23.12	20.5	5	
10	HQAM	35	831	21.60	22.00	23.12			
10	HQAM	35	844	21.59	22.00	23.12			
10	HQAM	35	857	21.58	22.00	23.12			
10	HQAM	35	870	21.57	22.00	23.12	20.5	5	
10	HQAM	35	883	21.56	22.00	23.12			
10	HQAM	35	896	21.55	22.00	23.12			
10	HQAM	35	909	21.54	22.00	23.12			
10	HQAM	35	922	21.53	22.00	23.12	20.5	5	
10	HQAM	35	935	21.52	22.00	23.12			
10	HQAM	35	948	21.51	22.00	23.12			
10	HQAM	35	961	21.50	22.00	23.12			
10	HQAM	35	974	21.49	22.00	23.12	20.5	5	
10	HQAM	35	987	21.48	22.00	23.12			
10	HQAM	35	1000	21.47	22.00	23.12			
10	HQAM	35	1013	21.46	22.00	23.12			
10	HQAM	35	1026	21.45	22.00	23.12	20.5	5	
10	HQAM	35	1039	21.44	22.00	23.12			
10	HQAM	35	1052	21.43	22.00	23.12			
10	HQAM	35	1065	21.42	22.00	23.12			
10	HQAM	35	1078	21.41	22.00	23.12	20.5	5	
10	HQAM	35	1091	21.40	22.00	23.12			
10	HQAM	35	1104	21.39	22.00	23.12			
10	HQAM	35	1117	21.38	22.00	23.12			
10	HQAM	35	1130	21.37	22.00	23.12	20.5	5	
10	HQAM	35	1143	21.36	22.00	23.12			
10	HQAM	35	1156	21.35	22.00	23.12			
10	HQAM	35	1169	21.34	22.00	23.12			
10	HQAM	35	1182	21.33	22.00	23.12	20.5	5	
10	HQAM	35	1195	21.32	22.00	23.12			
10	HQAM	35	1208	21.31	22.00	23.12			
10	HQAM	35	1221	21.30	22.00	23.12			
10	HQAM	35	1234	21.29	22.00	23.12	20.5	5	
10	HQAM	35	1247	21.28	22.00	23.12			
10	HQAM	35	1260	21.27	22.00	23.12			
10	HQAM	35	1273	21.26	22.00	23.12			
10	HQAM	35	1286	21.25	22.00	23.12	20.5	5	
10	HQAM	35	1299	21.24	22.00	23.12			
10	HQAM	35	1312	21.23	22.00	23.12			
10	HQAM	35	1325	21.22	22.00	23.12			
10	HQAM	35	1338	21.21	22.00	23.12	20.5	5	
10	HQAM	35	1351	21.20	22.00	23.12			
10	HQAM	35	1364	21.19	22.00	23.12			
10	HQAM	35	1377	21.18	22.00	23.12			
10	HQAM	35	1390	21.17	22.00	23.12	20.5	5	
10	HQAM	35	1403	21.16	22.00	23.12			
10	HQAM	35	1416	21.15	22.00	23.12			
10	HQAM	35	1429	21.14	22.00	23.12			
10	HQAM	35	1442	21.13	22.00	23.12	20.5	5	
10	HQAM	35	1455	21.12	22.00	23.12			
10	HQAM	35	1468	21.11	22.00	23.12			
10	HQAM	35	1481	21.10	22.00	23.12			
10	HQAM	35	1494	21.09	22.00	23.12	20.5	5	
10	HQAM	35	1507	21.08	22.00	23.12			
10	HQAM	35	1520	21.07	22.00	23.12			
10	HQAM	35	1533	21.06	22.00	23.12			
10	HQAM	35	1546	21.05	22.00	23.12	20.5	5	
10	HQAM	35	1559	21.04	22.00	23.12			
10	HQAM	35	1572	21.03	22.00	23.12			
10	HQAM	35	1585	21.02	22.00	23.12			
10	HQAM	35	1598	21.01	22.00	23.12	20.5	5	
10	HQAM	35	1611	21.00	22.00	23.12			
10	HQAM	35	1624	20.99	22.00	23.12			
10	HQAM	35	1637	20.98	22.00	23.12			
10	HQAM	35	1650	20.97	22.00	23.12	20.5	5	
10	HQAM	35	1663	20.96	22.00	23.12			
10	HQAM	35	1676	20.95	22.00	23.12			
10	HQAM	35	1689	20.94	22.00	23.12			
10	HQAM	35	1702	20.93	22.00	23.12	20.5	5	
10	HQAM	35	1715	20.92	22.00	23.12			
10	HQAM	35	1728	20.91	22.00	23.12			
10	HQAM	35	1741	20.90	22.00	23.12			
10	HQAM	35	1754	20.89	22.00	23.12	20.5	5	
10	HQAM	35	1767	20.88	22.00	23.12			
10	HQAM	35	1780	20.87	22.00	23.12			
10	HQAM	35	1793	20.86	22.00	23.12			
10	HQAM	35	1806	20.85	22.00	23.12	20.5	5	
10	HQAM	35	1819	20.84	22.00	23.12			
10	HQAM	35	1832	20.83	22.00	23.12			
10	HQAM	35	1845	20.82	22.00	23.12			
10	HQAM	35	1858	20.81	22.00	23.12	20.5	5	
10	HQAM	35	1871	20.80	22.00	23.12			
10	HQAM	35	1884	20.79	22.00	23.12			
10	HQAM	35	1897	20.78	22.00	23.12			
10	HQAM	35	1910	20.77	22.00	23.12	20.5	5	
10	HQAM	35	1923	20.76	22.00	23.12			
10	HQAM	35	1936	20.75	22.00	23.12			
10	HQAM	35	1949	20.74	22.00	23.12			
10	HQAM	35	1962	20.73	22.00	23.12	20.5	5	
10	HQAM	35	1975	20.72	22.00	23.12			
10	HQAM	35	1988	20.71	22.00	23.12			
10	HQAM	35	2001	20.70	22.00	23.12			
10	HQAM	35	2014	20.69	22.00	23.12	20.5	5	
10	HQAM	35	2027	20.68	22.00	23.12			
10	HQAM	35	2040	20.67	22.00	23.12			
10	HQAM	35	2053	20.66	22.00	23.12			
10	HQAM	35	2066	20.65	22.00	23.12	20.5	5	
10	HQAM	35	2079	20.64	22.00	23.12			
10	HQAM	35	2092	20.63	22.00	23.12			
10	HQAM	35	2105	20.62	22.00	23.12			
10	HQAM	35	2118	20.61	22.00	23.12	20.5		

Band 17 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int. (min)	MPR (dB)	
Channel				700	710	711			
10	QPSK	1	0	24.08	24.22	24.13	25.0	0	
10	QPSK	1	25	24.03	24.05	24.11			
10	QPSK	1	49	24.10	24.11	24.21			
10	QPSK	25	0	23.09	23.09	23.30	24.0	1	
10	QPSK	25	12	23.09	23.29	23.33			
10	QPSK	25	25	23.08	23.35	23.28			
10	QPSK	50	0	23.12	23.18	23.15	24.0	1	
10	WQAM	1	0	23.12	23.14	23.13			
10	WQAM	1	25	23.27	23.27	23.39			
10	WQAM	1	49	23.41	23.38	23.48	24.0	1	
10	WQAM	25	0	22.22	22.19	22.23			
10	WQAM	25	12	22.09	22.07	22.02			
10	WQAM	25	25	22.21	22.09	22.12	23.0	2	
10	WQAM	50	0	22.17	22.11	22.18			
10	WQAM	1	0	22.11	22.06	22.05			
10	WQAM	1	25	22.15	22.13	22.28	23.0	2	
10	WQAM	1	49	22.24	22.16	22.13			
10	WQAM	25	0	21.13	21.11	21.14			
10	WQAM	25	12	21.03	21.28	21.25	22.0	3	
10	WQAM	25	25	21.26	21.30	21.27			
10	WQAM	50	0	21.08	21.14	21.11			
10	25QAM	1	0	19.25	19.38	19.28	20.0	5	
10	25QAM	1	25	19.30	19.24	19.22			
10	25QAM	1	49	19.21	19.14	19.21			
10	25QAM	25	0	19.07	19.32	19.25	20.0	5	
10	25QAM	25	12	19.25	19.24	19.18			
10	25QAM	25	25	19.20	19.23	19.22			
10	25QAM	50	0	19.06	19.14	19.05	20.0	5	
Channel				700.5	710	710.5			
Frequency (MHz)				700.5	710	710.5			
5	QPSK	1	0	24.08	24.14	23.09	25.0	0	
5	QPSK	1	14	23.03	24.12	24.04			
5	QPSK	1	24	23.09	24.04	24.17			
5	QPSK	12	0	23.01	23.07	23.29	24.0	1	
5	QPSK	12	7	23.15	23.18	23.19			
5	QPSK	12	13	23.09	23.31	23.40			
5	QPSK	25	0	23.13	23.02	23.08	24.0	1	
5	WQAM	1	0	23.04	23.04	23.09			
5	WQAM	1	12	23.17	23.23	23.35			
5	WQAM	1	24	23.28	23.25	23.33	23.0	2	
5	WQAM	12	0	22.19	22.08	22.09			
5	WQAM	12	7	22.05	22.03	21.83			
5	WQAM	12	13	22.07	22.06	22.09	23.0	2	
5	WQAM	25	0	22.05	22.03	22.03			
5	WQAM	1	0	22.02	21.98	22.15			
5	WQAM	1	12	22.02	21.90	22.19	22.0	3	
5	WQAM	1	24	22.15	22.04	22.00			
5	WQAM	12	0	21.03	21.05	21.05			
5	WQAM	12	7	21.07	21.05	21.14	20.0	5	
5	WQAM	12	13	21.19	21.22	21.14			
5	WQAM	20	0	21.22	21.06	21.04			
5	25QAM	1	0	19.13	19.29	19.08			
5	25QAM	1	12	19.06	19.10	19.09	20.0	5	
5	25QAM	1	24	19.18	19.06	19.15			
5	25QAM	12	0	19.02	19.08	19.01			
5	25QAM	12	7	19.07	19.08	19.01	20.0	5	
5	25QAM	12	13	19.18	19.16	19.12			
5	25QAM	25	0	18.88	19.04	19.04			

Band 26 Ant1 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int. (min)	MPR (dB)				
Channel				811.5	811.5	841.5						
15	QPSK	1	0	24.20	24.24	24.16	25.0	0				
15	QPSK	1	37	24.13	24.17	24.03						
15	QPSK	1	74	24.10	24.11	24.11						
15	QPSK	35	0	23.40	23.43	23.32	24.0	1				
15	QPSK	35	20	23.38	23.25	23.34						
15	QPSK	35	35	23.27	23.29	23.32						
15	QPSK	70	0	23.37	23.42	23.21	24.0	1				
15	WQAM	1	0	23.33	23.31	23.49						
15	WQAM	1	37	23.25	23.24	23.24	24.0	1				
15	WQAM	1	74	23.25	23.30	23.35						
15	WQAM	35	0	22.24	22.27	22.20	23.0	2				
15	WQAM	35	20	22.22	22.16	22.22						
15	WQAM	35	35	22.33	22.29	22.31						
15	WQAM	70	0	22.25	22.20	22.30	23.0	2				
15	WQAM	1	0	22.43	22.36	22.31						
15	WQAM	1	37	22.38	22.37	22.29						
15	WQAM	1	74	22.29	22.21	22.28	22.0	3				
15	WQAM	35	0	21.30	21.28	21.42						
15	WQAM	35	20	21.44	21.33	21.39						
15	WQAM	35	35	21.24	21.22	21.38	20.0	5				
15	25QAM	1	0	19.38	19.31	19.19						
15	25QAM	1	37	19.30	19.31	19.19						
15	25QAM	1	74	19.28	19.17	19.25	20.0	5				
15	25QAM	35	0	19.33	19.37	19.27						
15	25QAM	35	20	19.12	19.18	19.27						
15	25QAM	35	35	19.24	19.25	19.25	20.0	5				
15	25QAM	70	0	19.22	19.39	19.13						
Channel				811.5	811.5	841.5	Time-up Int. (min)	MPR (dB)				
Frequency (MHz)				811.5	811.5	841.5						
10	QPSK	1	0	24.10	24.10	24.12	25.0	0				
10	QPSK	1	37	24.03	24.13	23.81						
10	QPSK	1	49	24.05	24.01	24.02						
10	QPSK	25	0	23.28	23.18	23.19	24.0	1				
10	QPSK	25	12	23.24	23.20	23.25						
10	QPSK	25	25	23.17	23.13	23.37						
10	QPSK	50	0	23.42	23.30	23.29	24.0	1				
10	WQAM	1	0	23.23	23.23	23.42						
10	WQAM	1	25	23.17	23.19	23.19						
10	WQAM	1	49	23.17	23.16	23.21	23.0	2				
10	WQAM	25	0	22.19	22.21	22.25						
10	WQAM	25	12	22.12	22.02	22.17						
10	WQAM	25	13	22.37	22.20	22.21	23.0	2				
10	WQAM	50	0	22.19	22.12	22.27						
10	WQAM	1	0	22.37	22.20	22.21						
10	WQAM	1	25	22.34	22.20	22.25	23.0	2				
10	WQAM	1	49	22.21	22.11	22.21						
10	WQAM	25	0	21.27	21.20	21.38						
10	WQAM	25	12	21.36	21.24	21.35	22.0	3				
10	WQAM	25	25	21.16	21.08	21.30						
10	WQAM	50	0	21.06	21.09	21.10						
10	25QAM	1	0	19.32	19.05	19.25	20.0	5				
10	25QAM	1	25	19.11	19.12	19.12						
10	25QAM	1	49	19.15	19.14	19.15						
10	25QAM	25	0	19.29	19.15	19.15	20.0	5				
10	25QAM	25	12	19.04	19.11	19.27						
10	25QAM	25	25	19.07	19.12	19.10						
10	25QAM	50	0	19.10	19.29	19.09						
Channel				2471.5	2481.5	2491.5	Time-up Int. (min)	MPR (dB)				
Frequency (MHz)				2471.5	2481.5	2491.5						
5	QPSK	1	0	24.09	24.12	24.07	25.0	0				
5	QPSK	1	12	24.05	24.04	23.99						
5	QPSK	1	24	24.03	23.99	24.05						
5	QPSK	12	0	23.25	23.27	23.27	24.0	1				
5	QPSK	12	7	23.20	23.21	23.25						
5	QPSK	12	13	23			24.0	1				
5	QPSK	12	19	23.13	23.20	23.27						
5	WQAM	1	0	23.27	23.24	23.38	24.0	1				
5	WQAM	1	25	23.23	23.23	23.42						
5	WQAM	1	49	23.17	23.16	23.21	23.0	2				
5	WQAM	25	0	22.21	22.19	22.23						
5	WQAM	25	12	22.13	22.03	22.17						
5	WQAM	25	13	22.28	22.15	22.23	23.0	2				
5	WQAM	50	0	22.21	22.09	22.18						
5	WQAM	1	0	22.42	22.35	22.30						
5	WQAM	1	24	22.34	22.24	22.34	22.0	3				
5	WQAM	1	49	22.25	22.15	22.25						
5	WQAM	1	74	22.22	22.21	22.16						
5	WQAM	25	0	21.26	21.11	21.26	20.0	5				
5	WQAM	25	12	21.34	21.15	21.34						
5	WQAM	25	25	21.09	21.10	21.17						
5	25QAM	1	0	19.24	19.20	19.17	20.0	5				
5	25QAM	1	25	19.04	19.11	19.27						
5	25QAM	1	49	19.07	19.07	19.07						
5	25QAM	25	0	19.29	19.15	19.15	20.0	5				
5	25QAM	25	12	19.00	19.07	19.18						
5	25QAM	25	25	19.03	19.08	19.06						
5	25QAM	50	0	19.17	19.05	19.07						
Channel				811.5	811.5	841.5	Time-up Int. (min)	MPR (dB)				
Frequency (MHz)				811.5	811.5	841.5						
3	QPSK	1	0	24.08	24.12	24.07	25.0	0				
3	QPSK	1	37	24.03	24.08	23.87						
3	QPSK	1	14	23.96	24.00	24.04						
3	QPSK	8	0	23.31	23.31	23.27	24.0	1				
3	QPSK	8	7	23.26	23.17	23.25						
3	QPSK	8	7	23.21	23.14	23.32	24.0	1				
3	QPSK	8	14	23.14	23.14	23.32						
3	QPSK	1	0	23.19	23.27	23.38	24.0	1				
3	WQAM	1	0	23.16	23.12	23.34						
3	WQAM	1	37	23.17	23.24	23.26	24.0	1				
3	WQAM	1	74	23.17	23.18	23.28						
3	WQAM	8	0	22.15	22.10	22.15	23.0	2				
3	WQAM	8	7	22.08	22.04	22.12						
3	WQAM	16	0	22.13	22.16	22.17						
3	WQAM	1	0	22.42	22.33	22.39	23.0	2				
3	WQAM	1	37	22.36	22.31	22.29						
3	WQAM	1	14	22.24	22.11	22.19						
3	WQAM	8	0	22.22	22.17	22.22	22.0	3				
3	WQAM	8	7	22.14	22.10	22.25						
3	WQAM	8	14	22.12	22.13	22.23						
3	25QAM	1	0	19.12	19.14	19.17	20.0	5				
3	25QAM	1	37	19.11	19.17	19.13						
3	25QAM	1	74	19.10	19.12	19.12						
3	25QAM	8	0	19.20	19.25	19.12	20.0	5				
3	25QAM	8	7	19.12	19.12	19.27						
3	25QAM	8	14	19.31	19.35	19.12						
3	25QAM	8	0	19.10	19.08	19.24	20.0	5				
3	25QAM	8	7	19.03	19.22	19.27						
3	25QAM	8	14	19.08	19.06	19.22						
3	25QAM	16	0	19.08	19.26	19.16	20.0	5				
Channel				814.7	815.1	844.3				Time-up Int. (min)	MPR (dB)	
Frequency (MHz)				814.7	815.1	844.3						
14	QPSK	1	0	24.14	24.16	24.10				25.0	0	
14	QPSK	1	37	24.06	24.10	23.86						
14	QPSK	1	74	24.09	24.00	24.02						
14	QPSK	3	0	23.96	23.98	23.86	24.0	1				
14	QPSK	3	19	23.90	23.89	23.92						
14	QPSK	3	38	24.00	23.97	23.97						
14	QPSK	8	0	23.30	23.25	23.27	24.0	1				
14	QPSK	8	19	23.17	23.12	23.26						
14	WQAM	1	0	23.13	23.15	23.16	23.0	2				
14	WQAM	1	37	23.43	23.29	23.44						
14	WQAM	1	74	23.22	23.23	23.32						
14	WQAM	3	0	23.17	23.11	23.16	24.0	1				
14	WQAM	3	19	23.17	23.20	23.25						
14	WQAM	3	38	23.20	23.17	23.23						
14	WQAM	8	0	22.30	22.16	22.24	23.0	2				
14	WQAM	8	19	22.11	22.11	22.21						
14	WQAM	8	38	22.36	22.23	22.28						
14	25QAM	1	0	19.22	19.23	19.21	20.0	5				
14	25QAM	1	37	19.23	19.23	19.21						
14	25QAM	1	74	19.19	19.36	19.11						



Band 2 Ant3 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turnup int. (min)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	24.62	24.63	24.62					
20	QPSK	1	49	24.57	24.59	24.60				25.5	0
20	QPSK	1	99	24.52	24.62	24.62					
20	QPSK	50	0	23.63	23.76	23.75				24.5	1
20	QPSK	50	25	23.63	23.76	23.75					
20	QPSK	50	50	23.66	23.65	23.61					
20	QPSK	50	75	23.63	23.70	23.68					
20	QPSK	50	100	23.54	23.59	23.41				24.5	1
20	QPSK	50	125	23.46	23.47	23.33					
20	QPSK	50	150	23.37	23.37	23.27					
20	QPSK	50	175	23.22	23.22	23.12					
20	QPSK	50	200	22.99	22.97	22.85				23.5	2
20	QPSK	100	0	22.86	22.83	22.80					
20	QPSK	100	50	22.72	22.70	22.68				23.5	2
20	QPSK	100	100	22.65	22.68	22.69					
20	QPSK	50	24	21.77	21.68	21.74				22.5	3
20	QPSK	50	50	21.65	21.68	21.70					
20	QPSK	50	75	21.54	21.60	21.58					
20	QPSK	50	100	21.42	21.47	21.42					
20	QPSK	50	125	21.32	21.35	21.35					
20	QPSK	50	150	21.22	21.25	21.25					
20	QPSK	50	175	21.12	21.15	21.15					
20	QPSK	50	200	21.02	21.05	21.05					
20	QPSK	50	225	20.92	20.95	20.95					
20	QPSK	50	250	20.82	20.85	20.85					
20	QPSK	50	275	20.72	20.75	20.75					
20	QPSK	50	300	20.62	20.65	20.65					
20	QPSK	50	325	20.52	20.55	20.55					
20	QPSK	50	350	20.42	20.45	20.45					
20	QPSK	50	375	20.32	20.35	20.35					
20	QPSK	50	400	20.22	20.25	20.25					
20	QPSK	50	425	20.12	20.15	20.15					
20	QPSK	50	450	20.02	20.05	20.05					
20	QPSK	50	475	19.92	19.95	19.95					
20	QPSK	50	500	19.82	19.85	19.85					
20	QPSK	50	525	19.72	19.75	19.75					
20	QPSK	50	550	19.62	19.65	19.65					
20	QPSK	50	575	19.52	19.55	19.55					
20	QPSK	50	600	19.42	19.45	19.45					
20	QPSK	50	625	19.32	19.35	19.35					
20	QPSK	50	650	19.22	19.25	19.25					
20	QPSK	50	675	19.12	19.15	19.15					
20	QPSK	50	700	19.02	19.05	19.05					
20	QPSK	50	725	18.92	18.95	18.95					
20	QPSK	50	750	18.82	18.85	18.85					
20	QPSK	50	775	18.72	18.75	18.75					
20	QPSK	50	800	18.62	18.65	18.65					
20	QPSK	50	825	18.52	18.55	18.55					
20	QPSK	50	850	18.42	18.45	18.45					
20	QPSK	50	875	18.32	18.35	18.35					
20	QPSK	50	900	18.22	18.25	18.25					
20	QPSK	50	925	18.12	18.15	18.15					
20	QPSK	50	950	18.02	18.05	18.05					
20	QPSK	50	975	17.92	17.95	17.95					
20	QPSK	50	1000	17.82	17.85	17.85					
20	QPSK	50	1025	17.72	17.75	17.75					
20	QPSK	50	1050	17.62	17.65	17.65					
20	QPSK	50	1075	17.52	17.55	17.55					
20	QPSK	50	1100	17.42	17.45	17.45					
20	QPSK	50	1125	17.32	17.35	17.35					
20	QPSK	50	1150	17.22	17.25	17.25					
20	QPSK	50	1175	17.12	17.15	17.15					
20	QPSK	50	1200	17.02	17.05	17.05					
20	QPSK	50	1225	16.92	16.95	16.95					
20	QPSK	50	1250	16.82	16.85	16.85					
20	QPSK	50	1275	16.72	16.75	16.75					
20	QPSK	50	1300	16.62	16.65	16.65					
20	QPSK	50	1325	16.52	16.55	16.55					
20	QPSK	50	1350	16.42	16.45	16.45					
20	QPSK	50	1375	16.32	16.35	16.35					
20	QPSK	50	1400	16.22	16.25	16.25					
20	QPSK	50	1425	16.12	16.15	16.15					
20	QPSK	50	1450	16.02	16.05	16.05					
20	QPSK	50	1475	15.92	15.95	15.95					
20	QPSK	50	1500	15.82	15.85	15.85					
20	QPSK	50	1525	15.72	15.75	15.75					
20	QPSK	50	1550	15.62	15.65	15.65					
20	QPSK	50	1575	15.52	15.55	15.55					
20	QPSK	50	1600	15.42	15.45	15.45					
20	QPSK	50	1625	15.32	15.35	15.35					
20	QPSK	50	1650	15.22	15.25	15.25					
20	QPSK	50	1675	15.12	15.15	15.15					
20	QPSK	50	1700	15.02	15.05	15.05					
20	QPSK	50	1725	14.92	14.95	14.95					
20	QPSK	50	1750	14.82	14.85	14.85					
20	QPSK	50	1775	14.72	14.75	14.75					
20	QPSK	50	1800	14.62	14.65	14.65					
20	QPSK	50	1825	14.52	14.55	14.55					
20	QPSK	50	1850	14.42	14.45	14.45					
20	QPSK	50	1875	14.32	14.35	14.35					
20	QPSK	50	1900	14.22	14.25	14.25					
20	QPSK	50	1925	14.12	14.15	14.15					
20	QPSK	50	1950	14.02	14.05	14.05					
20	QPSK	50	1975	13.92	13.95	13.95					
20	QPSK	50	2000	13.82	13.85	13.85					
20	QPSK	50	2025	13.72	13.75	13.75					
20	QPSK	50	2050	13.62	13.65	13.65					
20	QPSK	50	2075	13.52	13.55	13.55					
20	QPSK	50	2100	13.42	13.45	13.45					
20	QPSK	50	2125	13.32	13.35	13.35					
20	QPSK	50	2150	13.22	13.25	13.25					
20	QPSK	50	2175	13.12	13.15	13.15					
20	QPSK	50	2200	13.02	13.05	13.05					
20	QPSK	50	2225	12.92	12.95	12.95					
20	QPSK	50	2250	12.82	12.85	12.85					
20	QPSK	50	2275	12.72	12.75	12.75					
20	QPSK	50	2300	12.62	12.65	12.65					
20	QPSK	50	2325	12.52	12.55	12.55					
20	QPSK	50	2350	12.42	12.45	12.45					
20	QPSK	50	2375	12.32	12.35	12.35					
20	QPSK	50	2400	12.22	12.25	12.25					
20	QPSK	50	2425	12.12	12.15	12.15					
20	QPSK	50	2450	12.02	12.05	12.05					
20	QPSK	50	2475	11.92	11.95	11.95					
20	QPSK	50	2500	11.82	11.85	11.85					
20	QPSK	50	2525	11.72	11.75	11.75					
20	QPSK	50	2550	11.62	11.65	11.65					
20	QPSK	50	2575	11.52	11.55	11.55					
20	QPSK	50	2600	11.42	11.45	11.45					
20	QPSK	50	2625	11.32	11.35	11.35					
20	QPSK	50	2650	11.22	11.25	11.25					
20	QPSK	50	2675	11.12	11.15	11.15					
20	QPSK	50	2700	11.02	11.05	11.05					
20	QPSK	50	2725	10.92	10.95	10.95					
20	QPSK	50	2750	10.82	10.85	10.85					
20	QPSK	50	2775	10.72	10.75	10.75					
20	QPSK	50	2800	10.62	10.65	10.65					
20	QPSK	50	2825	10.52	10.55	10.55					
20	QPSK	50	2850	10.42	10.45	10.45					
20	QPSK	50	2875	10.32	10.35	10.35					
20	QPSK	50	2900	10.22	10.25	10.25					
20	QPSK	50	2925	10.12	10.15	10.15					
20	QPSK	50	2950	10.02	10.05	10.05					
20	QPSK	50	2975	9.92	9.95	9.95					
20	QPSK	50	3000	9.82	9.85	9.85					
20	QPSK	50	3025	9.72	9.75	9.75					
20	QPSK	50	3050	9.62	9.65	9.65					
20	QPSK	50	3075	9.52	9.55						

[illegible]



Band 2 Ant4 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-up init (min)	MPR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.75	23.77	23.77	23.75			25	0
20	QPSK	1	49	23.81	23.83	23.83	23.81				
20	QPSK	1	99	23.82	23.78	23.83	23.86				
20	QPSK	50	0	22.92	22.78	22.63	22.65			24	1
20	QPSK	50	50	22.74	22.72	22.72	22.74				
20	QPSK	100	0	22.68	22.63	22.77	22.77				
20	QPSK	1	49	22.77	22.78	22.78	22.77				
20	QPSK	1	99	22.82	22.84	22.86	22.95			24	1
20	QPSK	1	149	22.83	22.86	22.96	22.99				
20	QPSK	50	24	21.83	21.81	21.87	21.87			23	2
20	QPSK	50	50	21.93	21.82	21.86	21.87				
20	QPSK	50	75	21.91	21.87	21.87	21.91				
20	QPSK	100	0	21.62	21.69	21.78	21.78			23	2
20	QPSK	1	49	21.67	21.68	21.68	21.67				
20	QPSK	1	99	21.60	21.54	21.61	21.61				
20	QPSK	50	0	20.85	20.74	20.83	20.83				
20	QPSK	50	24	20.73	20.72	20.65	20.65			22	3
20	QPSK	50	50	20.79	20.77	20.80	20.80				
20	QPSK	100	0	20.77	20.79	20.86	20.86				
20	QPSK	1	49	18.70	18.70	18.73	18.73			20	5
20	QPSK	1	99	18.52	18.52	18.57	18.57				
20	QPSK	1	149	18.68	18.68	18.65	18.65				
20	QPSK	50	24	18.75	18.59	18.71	18.71			20	5
20	QPSK	50	50	18.74	18.69	18.67	18.67				
20	QPSK	100	0	18.62	18.60	18.61	18.61				
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.58	23.69	23.69	23.63			25	0
10	QPSK	1	37	23.63	23.69	23.63	23.63				
10	QPSK	1	74	23.49	23.52	23.61	23.61				
10	QPSK	36	0	22.42	22.70	22.67	22.67			24	1
10	QPSK	36	25	22.69	22.55	22.58	22.58				
10	QPSK	36	39	22.76	22.70	22.58	22.58				
10	QPSK	75	0	22.51	22.65	22.73	22.73				
10	QPSK	75	25	22.61	22.66	22.64	22.64			23	2
10	QPSK	1	37	22.62	22.60	22.78	22.78				
10	QPSK	1	74	22.63	22.62	22.74	22.74				
10	QPSK	36	1	21.68	21.68	21.65	21.65			23	2
10	QPSK	36	20	21.74	21.77	21.79	21.79				
10	QPSK	36	35	21.67	21.68	21.63	21.63				
10	QPSK	75	0	21.67	21.68	21.64	21.64				
10	QPSK	75	25	21.72	21.72	21.79	21.79			22	3
10	QPSK	1	0	18.70	18.69	18.64	18.64				
10	QPSK	1	49	18.54	18.54	18.57	18.57			20	5
10	QPSK	1	99	18.49	18.43	18.52	18.52				
10	QPSK	50	0	18.54	18.42	18.52	18.52				
10	QPSK	50	24	18.55	18.40	18.50	18.50			20	5
10	QPSK	50	50	18.53	18.52	18.64	18.64				
10	QPSK	75	0	18.54	18.55	18.72	18.72				
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.68	23.61	23.62	23.62			25	0
5	QPSK	1	12	23.44	23.47	23.48	23.48				
5	QPSK	1	49	23.46	23.58	23.47	23.47				
5	QPSK	25	0	22.81	22.86	22.83	22.83			24	1
5	QPSK	25	12	22.59	22.58	22.65	22.65				
5	QPSK	25	25	22.75	22.74	22.58	22.58				
5	QPSK	50	0	22.53	22.60	22.59	22.59				
5	QPSK	1	0	22.66	22.72	22.54	22.54			24	1
5	QPSK	1	24	22.89	22.86	22.88	22.88				
5	QPSK	12	0	21.76	21.80	21.56	21.56				
5	QPSK	12	11	21.81	21.79	21.70	21.70			23	2
5	QPSK	25	0	21.54	21.51	21.67	21.67				
5	QPSK	25	11	21.60	21.49	21.63	21.63			23	2
5	QPSK	1	12	21.49	21.50	21.78	21.78				
5	QPSK	1	24	21.41	21.41	21.47	21.47				
5	QPSK	12	7	20.78	20.86	20.79	20.79				
5	QPSK	12	7	20.67	20.54	20.78	20.78			22	3
5	QPSK	1	0	18.70	18.67	18.70	18.70				
5	QPSK	1	12	18.72	18.70	18.67	18.67				
5	QPSK	1	24	18.52	18.60	18.53	18.53			20	5
5	QPSK	1	49	18.51	18.58	18.53	18.53				
5	QPSK	1	99	18.47	18.47	18.59	18.59				
5	QPSK	12	0	18.57	18.60	18.52	18.52				
5	QPSK	12	7	18.68	18.67	18.61	18.61			20	5
5	QPSK	12	11	18.68	18.69	18.59	18.59				
5	QPSK	25	0	18.61	18						

Band 38 Ant4 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up freq (MHz)	MPR (dB)			
Channel				37650	38050	38150					
Frequency (MHz)											
20	QPSK	1	0	24.28	24.30	24.23	25	0			
20	QPSK	1	49	24.18	24.22	24.05					
20	QPSK	1	99	24.10	24.26	24.20					
20	QPSK	50	0	23.17	23.42	23.30	24	1			
20	QPSK	50	24	23.18	23.30	23.21					
20	QPSK	50	50	23.39	23.45	23.34					
20	HQAM	1	0	23.34	23.27	23.32	24	1			
20	HQAM	1	49	23.34	23.33	23.37					
20	HQAM	1	99	23.37	23.40	23.35					
20	HQAM	50	0	22.45	22.34	22.45	23	2			
20	HQAM	50	24	22.38	22.40	22.43					
20	HQAM	100	0	22.42	22.31	22.41					
20	HQAM	1	0	22.53	22.47	22.44	23	2			
20	HQAM	1	49	22.51	22.24	22.29					
20	HQAM	1	99	22.17	22.20	22.29					
20	HQAM	50	0	22.21	22.24	22.29	22	3			
20	HQAM	50	24	21.45	21.38	21.35					
20	HQAM	50	50	21.26	21.24	21.31					
20	HQAM	100	0	21.48	21.37	21.43	20	5			
20	SSQAM	1	0	19.18	19.19	19.14					
20	SSQAM	1	49	19.18	19.13	19.04					
20	SSQAM	1	99	19.07	19.26	19.21	20	5			
20	SSQAM	50	0	19.19	19.46	19.37					
20	SSQAM	50	24	19.15	19.15	19.21					
20	SSQAM	50	50	19.36	19.37	19.30	20	5			
20	SSQAM	100	0	19.47	19.35	19.31					
Channel				2577.8	2595	2612.8	Tune-up freq (MHz)	MPR (dB)			
Frequency (MHz)											
15	QPSK	1	0	24.27	24.22	24.17	25	0			
15	QPSK	1	37	23.96	24.00	23.95					
15	QPSK	1	74	23.99	24.12	24.00					
15	QPSK	36	0	23.15	23.22	23.15	24	1			
15	QPSK	36	20	23.10	23.22	23.20					
15	QPSK	36	39	23.21	23.25	23.27					
15	QPSK	36	79	23.22	23.37	23.19	24	1			
15	HQAM	1	0	23.20	23.07	23.17					
15	HQAM	1	37	23.20	23.14	23.25					
15	HQAM	1	74	23.35	23.22	23.30	23	2			
15	HQAM	36	0	22.38	22.30	22.31					
15	HQAM	36	20	22.27	22.34	22.29					
15	HQAM	36	39	22.43	22.49	22.34	23	2			
15	HQAM	75	0	22.38	22.30	22.34					
15	HQAM	1	0	22.38	22.36	22.35					
15	HQAM	1	37	22.24	22.03	22.07	23	2			
15	HQAM	1	74	22.13	22.16	22.15					
15	HQAM	36	0	21.28	21.23	21.35					
15	HQAM	36	20	21.58	21.33	21.37	22	3			
15	HQAM	36	39	21.02	21.11	21.31					
15	HQAM	75	0	21.46	21.37	21.30					
15	SSQAM	1	0	19.07	19.03	19.05	20	5			
15	SSQAM	1	37	19.11	19.03	19.05					
15	SSQAM	1	74	19.08	19.19	19.01					
15	SSQAM	36	0	19.17	19.26	19.23	20	5			
15	SSQAM	36	20	19.26	19.15	19.07					
15	SSQAM	36	39	19.26	19.36	19.22					
15	SSQAM	75	0	19.41	19.26	19.17	20	5			
Channel				37650	38050	38050	Tune-up freq (MHz)	MPR (dB)			
Frequency (MHz)											
10	QPSK	1	0	24.18	24.28	24.24	25	0			
10	QPSK	1	25	24.17	24.21	24.00					
10	QPSK	1	50	24.08	24.05	24.15					
10	QPSK	25	0	23.61	23.24	23.09	24	1			
10	QPSK	25	12	23.69	23.14	23.14					
10	QPSK	25	37	23.32	23.18	23.36					
10	QPSK	50	0	23.28	23.29	23.15	24	1			
10	HQAM	1	0	23.38	23.06	23.15					
10	HQAM	1	25	23.31	23.17	23.26					
10	HQAM	1	49	23.32	23.37	23.31	23	2			
10	HQAM	25	0	22.28	22.29	22.29					
10	HQAM	25	12	22.17	22.24	22.25					
10	HQAM	50	0	22.37	22.46	22.37	23	2			
10	HQAM	50	25	22.30	22.27	22.35					
10	HQAM	1	0	22.33	22.30	22.43					
10	HQAM	1	49	22.04	22.21	22.24	23	2			
10	HQAM	25	0	21.39	21.35	21.46					
10	HQAM	25	12	21.29	21.38	21.14					
10	HQAM	25	35	21.19	21.25	21.29	22	3			
10	HQAM	50	0	21.26	21.25	21.25					
10	SSQAM	1	0	19.15	19.08	19.07					
10	SSQAM	1	25	19.06	19.09	19.04	20	5			
10	SSQAM	1	49	19.06	19.20	19.05					
10	SSQAM	25	0	19.02	19.29	19.24					
10	SSQAM	25	12	19.07	19.02	19.05	20	5			
10	SSQAM	25	25	19.37	19.36	19.25					
10	SSQAM	50	0	19.30	19.33	19.10					
Channel				2692.8	2695	2677.8	Tune-up freq (MHz)	MPR (dB)			
Frequency (MHz)											
5	QPSK	1	0	24.23	24.16	24.01	25	0			
5	QPSK	1	12	24.02	24.19	23.87					
5	QPSK	1	24	24.05	24.00	24.00					
5	QPSK	12	0	23.19	23.24	23.15	24	1			
5	QPSK	12	6	23.10	23.19	23.24					
5	QPSK	12	13	23.22	23.14	23.40					
5	QPSK	25	0	23.16	23.16	23.32	24	1			
5	HQAM	1	0	23.21	23.05	23.26					
5	HQAM	1	12	23.13	23.16	23.17					
5	HQAM	1	24	23.40	23.23	23.41	23	2			
5	HQAM	12	0	22.26	22.24	22.50					
5	HQAM	12	6	22.37	22.37	22.41					
5	HQAM	12	13	22.47	22.30	22.32	23	2			
5	HQAM	25	0	22.31	22.20	22.40					
5	HQAM	25	6	22.23	22.18	22.31					
5	HQAM	12	0	21.31	21.29	21.41	22	3			
5	HQAM	12	7	21.32	21.36	21.34					
5	HQAM	12	14	21.10	21.17	21.19					
5	HQAM	25	0	21.27	21.39	21.24	20	5			
5	SSQAM	1	0	19.05	19.06	19.01					
5	SSQAM	1	12	19.01	19.05	19.07					
5	SSQAM	12	0	18.91	19.11	19.04	20	5			
5	SSQAM	12	6	18.95	19.16	19.08					
5	SSQAM	12	13	19.01	19.13	19.17					
5	SSQAM	25	0	19.02	19.32	19.24	20	5			
5	SSQAM	25	13	19.05	19.26	19.28					
5	SSQAM	25	25	19.34	19.33	19.24					

CDMTS100 Anti Default						
CDMTS100	Power Average Power (dBm)			Tune-up Limit	Power Average Power (dBm)	
	TX Channel	812	864	810	812	810
Frequency (MHz)						
CDMT 1 Tx anti		28.81	28.94	28.73	30.00	19.81
GPMS 1 Tx anti		28.78	28.80	28.82	30.00	19.76
GPMS 2 Tx anti		22.40	22.01	22.30	22.00	19.40
GPMS 3 Tx anti		22.84	22.82	22.58	22.50	19.38
GPMS 4 Tx anti		22.84	22.78	22.89	24.50	19.76
EDGE 1 Tx anti		24.38	24.30	24.17	25.00	19.30
EDGE 2 Tx anti		21.80	21.72	21.83	23.00	19.80
EDGE 3 Tx anti		19.90	19.80	19.85	21.00	19.84
EDGE 4 Tx anti		18.60	18.60	18.80	20.00	19.80

WCDMA II Anti Default						
Band	WCDMA II			Tune-up Limit	WCDMA IV	
	TX Channel	9600	9600	9600	1512	1512
Frequency (MHz)						
SCPP Rel (B)	Rel (12.25MHz)	22.52	22.38	22.34	24.50	22.48
SCPP Rel (B)	Rel (12.25MHz)	22.43	22.40	22.41	24.50	22.50
SCPP Rel (B)	HSDPA Subband-1	22.47	22.42	22.30	22.00	22.50
SCPP Rel (B)	HSDPA Subband-2	22.49	22.48	22.41	22.50	22.34
SCPP Rel (B)	HSDPA Subband-3	22.50	22.41	22.40	22.00	22.50
SCPP Rel (B)	HSDPA Subband-4	21.98	21.85	21.91	23.00	21.88
SCPP Rel (B)	DC-HSPA Subband-1	22.45	22.46	22.43	23.00	22.36
SCPP Rel (B)	DC-HSPA Subband-2	22.85	22.80	22.44	23.00	22.42
SCPP Rel (B)	DC-HSPA Subband-3	21.98	21.86	21.98	23.00	21.94
SCPP Rel (B)	DC-HSPA Subband-4	21.94	21.91	21.88	23.00	21.92
SCPP Rel (B)	HSPA Subband-1	22.48	22.40	22.48	23.00	22.38
SCPP Rel (B)	HSPA Subband-2	22.43	22.40	22.42	21.00	22.38
SCPP Rel (B)	HSPA Subband-3	21.43	21.42	21.37	22.50	21.36
SCPP Rel (B)	HSPA Subband-4	22.46	22.41	22.46	21.50	22.38
SCPP Rel (B)	HSPA Subband-5	22.49	22.50	22.44	23.00	22.34

Band 4 Ant5 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Mid Ch./Frac.	Power High Ch./Frac.	Turn-up [ms]	MPE [dB]		
Channel										
Frequency [MHz]										
20	QPSK	1	0	2307	2314	2311			24.5	0
20	QPSK	1	40	2303	2310	2317				
20	QPSK	1	80	2310	2319	2326				
20	QPSK	50	6	2206	2218	2217				
20	QPSK	50	50	2210	2221	2222			23.5	1
20	QPSK	100	0	2188	2212	2226				
20	NRAM	1	0	2220	2229	2238				
20	NRAM	1	40	2230	2232	2235				
20	NRAM	1	80	2230	2231	2237			23.5	1
20	NRAM	50	24	2138	2138	2124				
20	NRAM	50	50	2130	2131	2125				
20	NRAM	100	0	2120	2117	2128				
20	NRAM	1	0	2132	2136	2136			22.5	2
20	NRAM	1	40	2140	2146	2153				
20	NRAM	1	80	2135	2135	2138				
20	NRAM	50	60	2031	2035	2025				
20	NRAM	100	0	2033	2037	2038			21.5	3
20	NRAM	1	0	1803	1808	1802				
20	NRAM	1	40	1803	1808	1802				
20	NRAM	1	80	1803	1807	1804				
20	NRAM	50	24	1803	1802	1808			19.5	5
20	NRAM	50	50	1813	1822	1812				
20	NRAM	100	0	1803	1810	1813				
Channel				26005	26075	26025	Turn-up [ms]	MPE [dB]		
Frequency [MHz]										
15	QPSK	1	0	2254	2308	2303			24.5	0
15	QPSK	1	37	2288	2307	2295				
15	QPSK	1	74	2306	2295	2288				
15	QPSK	80	0	2210	2208	2218				
15	QPSK	36	20	2222	2229	2214			23.5	1
15	QPSK	36	36	2233	2237	2219				
15	QPSK	75	0	2225	2222	2236				
15	NRAM	1	40	2208	2210	2213				
15	NRAM	1	37	2223	2228	2227			23.5	1
15	NRAM	1	74	2223	2224	2224				
15	NRAM	36	0	2113	2110	2118				
15	NRAM	36	20	2125	2117	2111				
15	NRAM	36	36	2125	2126	2126			22.5	2
15	NRAM	75	0	2108	2111	2120				
15	NRAM	1	0	2124	2122	2127				
15	NRAM	1	37	2124	2137	2128				
15	NRAM	1	74	2124	2122	2127			22.5	2
15	NRAM	36	0	2030	2031	2030				
15	NRAM	36	20	2026	2024	2013				
15	NRAM	36	36	2022	2012	2007				
15	NRAM	75	0	2004	2006	2014			21.5	3
15	NRAM	1	0	1787	1789	1805				
15	NRAM	1	37	1781	1807	1786				
15	NRAM	1	74	1807	1808	1802				
15	NRAM	36	0	1737	1813	1822			19.5	5
15	NRAM	36	20	1803	1818	1829				
15	NRAM	36	36	1803	1804	1804				
15	NRAM	75	0	1785	1788	1796				
Channel				17655	17675	17665	Turn-up [ms]	MPE [dB]		
Frequency [MHz]										
10	QPSK	1	0	2293	2304	2298			24.5	0
10	QPSK	1	25	2297	2297	2292				
10	QPSK	1	40	2308	2305	2303				
10	QPSK	25	0	2217	2204	2214				
10	QPSK	25	12	2231	2214	2215			23.5	1
10	QPSK	25	25	2232	2219	2215				
10	QPSK	50	0	2215	2224	2236				
10	NRAM	1	0	2216	2212	2217				
10	NRAM	1	25	2217	2227	2231			23.5	1
10	NRAM	1	40	2203	2201	2197				
10	NRAM	1	75	2218	2217	2211				
10	NRAM	25	12	2126	2120	2119				
10	NRAM	25	25	2120	2118	2128			22.5	2
10	NRAM	50	0	2108	2108	2114				
10	NRAM	1	0	2113	2128	2128				
10	NRAM	1	25	2152	2134	2144				
10	NRAM	1	40	2129	2122	2126			22.5	2
10	NRAM	25	0	2034	2037	2029				
10	NRAM	25	12	2027	2023	2017				
10	NRAM	25	25	2035	2011	2028				
10	NRAM	50	0	2030	2025	2017			21.5	3
10	NRAM	1	0	1808	1809	1808				
10	NRAM	1	25	1792	1809	1794				
10	NRAM	1	40	1804	1803	1796				
10	NRAM	25	0	1789	1808	1802			19.5	5
10	NRAM	25	12	1795	1820	1822				
10	NRAM	25	25	1805	1824	1805				
10	NRAM	50	0	1800	1804	1815				
Channel				19665	19675	19665	Turn-up [ms]	MPE [dB]		
Frequency [MHz]										
5	QPSK	1	0	2244	2249	2257			24.5	0
5	QPSK	1	12	2288	2305	2295				
5	QPSK	1	24	2305	2308	2285				
5	QPSK	12	0	2215	2214	2218				
5	QPSK	12	7	2226	2211	2216			23.5	1
5	QPSK	12	13	2228	2208	2215				
5	QPSK	25	0	2226	2226	2218				
5	NRAM	1	0	2214	2218	2215				
5	NRAM	1	12	2222	2222	2222			23.5	1
5	NRAM	1	24	2201	2188	2203				
5	NRAM	12	0	2118	2116	2118				
5	NRAM	12	7	2132	2118	2126				
5	NRAM	12	13	2128	2119	2131			22.5	2
5	NRAM	25	0	2107	2111	2118				
5	NRAM	1	0	2123	2117	2128				
5	NRAM	1	12	2150	2137	2143				
5	NRAM	1	24	2129	2125	2123			21.5	3
5	NRAM	12	0	2030	2031	2029				
5	NRAM	12	7	2017	2024	2009				
5	NRAM	12	13	2018	2012	2007				
5	NRAM	25	0	2018	2012	2015			19.5	5
5	NRAM	1	0	1788	1809	1794				
5	NRAM	1	13	1787	1808	1802				
5	NRAM	1	24	1801	1809	1793				
5	NRAM	12	0	1808	1820	1818			19.5	5
5	NRAM	12	7	1805	1821	1822				
5	NRAM	12	13	1805	1811	1803				
5	NRAM	25	0	1788	1797	1794				
Channel				19665	19675	19665	Turn-up [ms]	MPE [dB]		
Frequency [MHz]										
3	QPSK	1	0	2302	2309	2298			24.5	0
3	QPSK	1	8	2244	2226	2237				
3	QPSK	1	14	2305	2304	2290				
3	QPSK	8	0	2225	2212	2213				
3	QPSK	8	4	2226	2226	2218			23.5	1
3	QPSK	8	7	2239	2213	2223				
3	NRAM	1	0	2208	2212	2215				
3	NRAM	1	8	2220	2224	2221				
3	NRAM	1	14	2206	2205	2205			23.5	1
3	NRAM	8	0	2113	2108	2117				
3	NRAM	8	4	2130	2121	2120				
3	NRAM	8	7	2122	2126	2123				
3	NRAM	15	0	2111	2114	2118			22.5	2
3	NRAM	1	0	2121	2119	2125				
3	NRAM	8	0	2136	2130	2140				
3	NRAM	1	14	2124	2130	2124				
3	NRAM	8	0	2006	2007	2007			21.5	3
3	NRAM	8	4	2016	2015	2009				
3	NRAM	8	7	2021	2013	2007				
3	NRAM	15	0	2004	2008	2008				
3	NRAM	1	8	1785	1808	1788			19.5	5
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1812	1822				
3	NRAM	8	4	1801	1818	1819				
3	NRAM	15	0	1801	1811	1806			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				
3	NRAM	15	0	1789	1804	1793			19.5	5
3	NRAM	1	8	1807	1808	1802				
3	NRAM	1	14	1807	1808	1802				
3	NRAM	8	0	1785	1808	1788				

Band 38 Ant5 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq (MHz)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	23.88	23.83	23.83				
20	QPSK	1	49	23.77	23.86	23.66	25		0	
20	QPSK	1	99	23.74	23.84	23.67				
20	QPSK	50	0	22.76	22.90	22.88				
20	QPSK	50	24	22.80	22.96	22.89	24		1	
20	QPSK	100	0	22.89	22.93	22.84				
20	HQAM	1	0	22.92	22.96	22.92				
20	HQAM	1	49	22.92	22.95	22.94	24		1	
20	HQAM	1	99	22.14	22.05	22.17				
20	HQAM	50	0	22.11	22.00	22.03				
20	HQAM	50	24	21.99	22.04	22.11	23		2	
20	HQAM	50	50	22.06	22.21	22.13				
20	HQAM	100	0	22.04	21.92	22.06				
20	HQAM	1	0	22.18	22.07	22.01				
20	HQAM	1	49	21.78	21.93	21.93	23		2	
20	HQAM	1	99	21.85	21.79	21.96				
20	HQAM	50	0	21.92	21.96	21.92				
20	HQAM	50	24	21.95	20.98	21.05	22		3	
20	HQAM	50	50	20.81	20.85	20.87				
20	HQAM	100	0	21.09	20.95	21.21				
20	SSQAM	1	0	18.87	18.90	18.94				
20	SSQAM	1	49	18.80	18.89	18.88	20		5	
20	SSQAM	1	99	18.92	18.89	18.97				
20	SSQAM	50	0	18.80	19.10	19.12				
20	SSQAM	50	24	19.02	19.05	19.12	20		5	
20	SSQAM	100	0	18.96	19.02	18.97				
Channel				38272.8	38295	38312.8	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	23.14	23.17	23.16				
15	QPSK	1	49	23.05	23.80	23.66	25		0	
15	QPSK	1	74	23.71	23.89	23.74				
15	QPSK	36	0	23.16	23.16	23.16				
15	QPSK	36	20	23.02	22.86	23.08	24		1	
15	QPSK	36	39	23.08	22.82	23.05				
15	HQAM	1	0	22.81	22.92	22.86				
15	HQAM	1	49	22.87	22.96	22.89	24		1	
15	HQAM	1	74	23.11	22.99	23.08				
15	HQAM	36	0	21.99	21.95	21.97				
15	HQAM	36	20	21.85	21.94	22.00	23		2	
15	HQAM	36	39	21.98	22.14	22.09				
15	HQAM	75	0	21.92	21.81	21.96				
15	HQAM	1	0	22.04	22.02	21.98				
15	HQAM	1	37	21.88	21.80	21.82	23		2	
15	HQAM	1	74	21.76	21.74	21.78				
15	HQAM	36	0	21.02	20.91	21.04				
15	HQAM	36	20	20.92	20.92	20.94				
15	HQAM	36	39	20.77	20.71	20.82	22		3	
15	HQAM	75	0	20.99	20.88	21.12				
15	SSQAM	1	0	18.92	18.93	18.93				
15	SSQAM	1	37	18.75	18.91	18.75	20		5	
15	SSQAM	1	74	18.78	18.71	18.80				
15	SSQAM	36	0	18.86	18.93	18.93				
15	SSQAM	36	20	18.81	18.93	18.89	20		5	
15	SSQAM	36	39	18.84	18.99	18.86				
15	SSQAM	75	0	18.90	18.84	18.98				
Channel				38600	38606	38609	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	23.77	23.77	23.72				
10	QPSK	1	25	23.74	23.74	23.62	25		0	
10	QPSK	1	49	23.63	23.69	23.67				
10	QPSK	25	0	22.67	22.69	22.60				
10	QPSK	25	12	22.67	22.62	22.64	24		1	
10	QPSK	25	37	22.64	22.53	22.68				
10	QPSK	50	0	22.65	22.70	22.64				
10	HQAM	1	0	22.80	22.80	22.80				
10	HQAM	1	25	22.81	22.90	22.88	24		1	
10	HQAM	1	49	22.05	22.06	22.02				
10	HQAM	25	12	21.86	21.96	22.03	23		2	
10	HQAM	50	0	21.97	22.16	22.02				
10	HQAM	50	25	21.98	21.79	21.95				
10	HQAM	1	0	22.03	21.98	21.92				
10	HQAM	1	25	21.74	21.83	21.88	23		2	
10	HQAM	1	49	21.75	21.87	21.85				
10	HQAM	25	0	21.98	20.91	21.98				
10	HQAM	25	12	20.86	20.83	21.01	22		3	
10	HQAM	50	0	21.09	20.82	21.09				
10	HQAM	50	25	20.70	20.74	20.83				
10	SSQAM	1	0	18.78	18.91	18.87				
10	SSQAM	1	25	18.89	18.89	18.73	20		5	
10	SSQAM	1	49	18.76	18.78	18.88				
10	SSQAM	25	0	18.89	18.90	18.93				
10	SSQAM	25	12	18.81	18.92	18.86	20		5	
10	SSQAM	25	25	18.81	18.93	18.95				
10	SSQAM	50	0	18.79	18.91	18.83				
Channel				38912.8	38935	38957.8	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	23.79	23.79	23.68				
5	QPSK	1	12	23.65	23.79	23.62	25		0	
5	QPSK	1	24	23.62	23.82	23.72				
5	QPSK	12	0	22.62	22.76	22.67				
5	QPSK	12	6	22.64	22.68	22.67	24		1	
5	QPSK	12	13	22.68	22.63	22.65				
5	QPSK	25	0	22.68	22.78	22.64				
5	HQAM	1	0	22.85	22.87	22.80				
5	HQAM	1	12	22.88	22.91	22.87	24		1	
5	HQAM	1	24	22.97	22.99	22.98				
5	HQAM	12	0	21.87	21.89	21.90				
5	HQAM	12	6	21.89	21.87	21.90	23		2	
5	HQAM	12	13	22.02	22.18	22.10				
5	HQAM	25	0	21.94	21.83	22.02				
5	HQAM	1	0	22.03	21.95	21.95				
5	HQAM	1	12	21.88	21.80	21.88	23		2	
5	HQAM	1	24	21.78	21.65	21.87				
5	HQAM	12	0	21.08	20.95	21.03				
5	HQAM	12	7	20.85	20.91	20.93	22		3	
5	HQAM	12	13	20.74	20.80	20.87				
5	HQAM	25	0	21.05	20.86	21.08				
5	SSQAM	1	0	18.82	18.94	18.73				
5	SSQAM	1	12	18.71	18.68	18.78	20		5	
5	SSQAM	1	24	18.63	18.68	18.64				
5	SSQAM	12	0	18.88	18.88	18.88				
5	SSQAM	12	7	18.80	18.87	18.95	20		5	
5	SSQAM	12	13	18.79	18.11	18.64				
5	SSQAM	25	0	18.82	18.83	18.78				

Band 41 Ant5 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq (MHz)	MPR (dB)
Channel				39750	40165	40320	40665	40820	41460		
Frequency (MHz)											
20	QPSK	1	0	23.86	23.94	23.87	23.88	23.87	23.87		
20	QPSK	1	49	23.81	23.71	23.96	23.83	23.86	23.86	25	0
20	QPSK	1	99	23.84	23.77	23.96	23.81	23.85	23.85		
20	QPSK	50	0	22.83	22.80	22.86	22.80	22.85	22.85		
20	QPSK	50	24	22.90	22.83	22.86	22.79	22.74	22.74	24	1
20	QPSK	1	24	23.81	23.78	23.86	23.84	23.86	23.84		
20	QPSK	100	0	22.86	22.95	22.90	22.80	22.80	22.80		
20	QPSK	100	25	22.91	22.92	22.92	22.80	22.80	22.80		
20	QPSK	1	99	23.84	23.75	23.92	23.79	23.79	23.71	24	1
20	QPSK	1	49	23.76	23.76	23.76	23.76	23.76	23.76		
20	QPSK	1	99	23.76	23.76	23.76	23.76	23.76	23.76		
20	QPSK	50	24	22.90	22.90	22.14	22.94	22.99	22.99	23	2
20	QPSK	100	25	22.91	22.92	22.92	22.92	22.92	22.91		
20	QPSK	1	99	23.76	23.76	23.76	23.76	23.76	23.76	23	2
20	QPSK	1	99	23.76	23.76	23.76	23.76	23.76	23.76		
20	QPSK	50	90	23.06	21.03	20.94	21.12	21.12	21.12		
20	QPSK	50	90	21.08	21.11	21.11	21.08	21.08	21.08	22	3
20	QPSK	50	90	20.96	21.11	20.97	21.07	21.00	20.93		
20	QPSK	100	25	22.91	22.92	22.92	22.92	22.92	22.91		
20	QPSK	1	0	19.03	18.97	18.96	19.00	18.96	19.00		
20	QPSK	1	49	18.96	18.82	19.00	18.83	18.86	18.99	20	5
20	QPSK	1	99	18.93	18.87	18.96	18.83	18.86	18.90		
20	QPSK	50	0	18.96	18.92	18.94	18.81	18.81	18.81		
20	QPSK	50	24	18.96	18.92	18.94	18.81	18.81	18.81	20	5
20	QPSK	100	25	18.97	18.97	18.97	18.80	18.80	18.80		
20	QPSK	100	25	18.96	19.02	18.98	18.86	18.87	18.86		
Channel				39750	40165	40320	40665	40820	41460	Tune-up freq (MHz)	MPR (dB)
Frequency (MHz)											
20	QPSK	1	0	23.86	23.94	23.87	23.87	23.87	23.87	25	0
20	QPSK	1	49	23.88	23.72	23.84	23.80	23.80	23.80		
20	QPSK	1	99	23.77	23.72	23.84	23.79	23.79	23.79	25	0
20	QPSK	1	24	23.84	23.81	23.89	23.77	23.80	23.80		
20	QPSK	50	0	22.83	22.80	22.86	22.80	22.85	22.85		
20	QPSK	50	24	22.91	22.80	22.83	22.80	22.83	22.83	24	1
20	QPSK	1	99	22.86	22.78	22.89	22.83	22.87	22.87		
20	QPSK	1	99	22.81	22.82	22.81	22.82	22.82	22.81		
20	QPSK	1	0	23.00	23.04	23.01	23.07	23.07	23.08		
20	QPSK	1	24	23.25	22.99	23.11	23.02	23.08	23.08	24	1
20	QPSK	50	0	21.61	21.64	21.60	21.65	21.65	21.67		
20	QPSK	50	24	21.68	22.07	22.07	21.68	21.68	21.68	23	2
20	QPSK	50	90	21.91	22.03	22.00	21.90	22.00	22.00		
20	QPSK	1	99	21.96	22.07	22.07	21.92	22.02	22.04		
20	QPSK	50	90	21.86	21.86	21.86	21.86	21.86	21.86	23	2
20	QPSK	1	97	21.76	21.85	21.83	21.80	21.80	21.81	23	2
20	QPSK	1	97	21.82	21.82	21.82	21.82	21.82	21.82		
20	QPSK	50	0	20.96	20.94	20.90	21.00	20.96	20.99		
20	QPSK	50	24	20.96	20.98	20.97	21.04	21.01	21.01	22	3
20	QPSK	50	90	20.75	20.98	20.98	20.75	20.98	20.98		
20	QPSK	75	0	20.82	20.65	20.73	20.84	20.75	20.75		
20	QPSK	75	0	20.82	20.65	20.73	20.84	20.75	20.75		
20	QPSK	1	99	18.95	18.70	18.75	18.82	18.75	18.82	20	5
20	QPSK	1	99	18.96	18.80	18.80	18.73	18.86	18.86		
20	QPSK	50	24	18.96	18.86	18.86	18.73	18.86	18.86		
20	QPSK	50	90	18.92	18.86	18.86	18.73	18.86	18.86	20	5
20	QPSK	50	90	18.92	18.86	18.86	18.73	18.86	18.86		
20	QPSK	75	0	18.92	18.86	18.86	18.73	18.86	18.86		
20	QPSK	75	0	18.92	18.86	18.86	18.73	18.86	18.86		
Channel				39750	40165	40320	40665	40820	41460	Tune-up freq (MHz)	MPR (dB)
Frequency (MHz)											
20	QPSK	1	0	23.79	23.89	23.84	23.73	23.80	23.80	25	0
20	QPSK	1	25	23.81	23.71	23.96	23.80	23.80	23.80		
20	QPSK	1	99	23.84	23.77	23.96	23.81	23.85	23.85		
20	QPSK	25	0	22.72	22.85	22.83	22.70	22.76	22.77		
20	QPSK	25	12	22.86	22.79	22.86	22.70	22.74	22.74	24	1
20	QPSK	1	99	22.86	22.79	22.86	22.70	22.74	22.74		
20	QPSK	50	0	22.90	22.74	22.80	22.84	22.79	22.79		
20	QPSK	50	24	22.84	22.84	22.84	22.81	22.81	22.81	24	1
20	QPSK	1	25	23.81	23.04	23.11	23.02	23.02	23.02		
20	QPSK	1	49	23.14	23.09	23.12	23.08	23.10	23.10		
20	QPSK	1	99	23.17	23.11	23.17	23.07	23.07	23.07		
20	QPSK	1	25	21.90	21.96	22.08	22.00	21.93	21.93	23	2
20	QPSK	1	25	21.96	21.96	22.08	22.00	21.93	21.93		
20	QPSK	50	0	22.11	22.09	21.97	22.08	22.08	22.21		
20	QPSK	1	6	21.97	22.04	21.97	22.01	21.97	22.01		
20	QPSK	1	25	21.86	22.04	22.02	22.02	22.02	22.12	23	2
20	QPSK	1	49	22.10	21.99	21.89	21.80	22.07	22.07		
20	QPSK	25	0	20.90	20.91	20.90	21.01	21.04	21.04		
20	QPSK	25	12	20.96	20.96	20.96	20.96	20.96	20.96	22	3
20	QPSK	25	25	20.78	21.02	20.93	20.80	20.81	20.81		
20	QPSK	1	99	20.81	20.74	20.82	20.74	20.74	20.74		
20	QPSK	1	99	18.90	18.90	18.90	18.79	18.79	18.70		
20	QPSK	1	25	18.79	18.79	18.80	18.74	18.76	18.76		
20	QPSK	1	99	18.90	18.71	18.77	18.83	18.80	18.80		
20	QPSK	25	0	18.90	18.90	18.90	18.80	18.80	18.81		
20	QPSK	25	12	18.91	18.91	18.91	18.80	18.80	18.80		
20	QPSK	25	25	18.84	18.88	18.90	18.67	18.95	18.95		
20	QPSK	50	0	19.06	19.03	18.90	18.75	18.96	18.96		
Channel				39750	40165	40320	40665	40820	41460	Tune-up freq (MHz)	MPR (dB)
Frequency (MHz)											
20	QPSK	1	0	23.79	23.89	23.84	23.73	23.80	23.80	25	0
20	QPSK	1	25	23.81	23.71	23.96	23.80	23.80	23.80		
20	QPSK	1	99	23.84	23.77	23.96	23.81	23.85	23.85		
20	QPSK	12	0	22.79	22.62	22.82	22.69	22.76	22.76	24	1
20	QPSK	12	7	22.86	22.84	22.79	22.58	22.68	22.68		
20	QPSK	12	13	22.86	22.83	22.86	22.80	22.80	22.80		
20	QPSK	12	25	22.79	22.77	22.96	22.80	22.80	22.80		
20	QPSK	1	0	22.99	22.99	23.04	23.01	23.04	23.04	24	1
20	QPSK	1	25	22.99	22.99	23.04	23.01	23.04	23.04		
20	QPSK	1	25	23.10	23.04	23.12	23.13	23.10	23.10		
20	QPSK	12	13	21.87	22.09	22.10	22.02	22.07	22.07	23	2
20	QPSK	12	25	21.91	22.12	22.09	22.02	22.07	22.07		
20	QPSK	12	25	21.96	22.03	22.03	22.03	22.03	22.03		
20	QPSK	1	12	21.96	22.06	21.97	21.96	21.93	21.93	23	2
20	QPSK	1	25	21.96	21.96	22.06	22.06	22.06	22.06		
20	QPSK	12	0	20.98	20.94	20.90	20.80	20.90	20.90	22	3
20	QPSK	12	7	20.94	20.72	20.80	20.67	20.73	20.73		
20	QPSK	12	13	18.96	18.96	18.96	18.86	18.86	18.86		
20	QPSK	12	25	18.93	18.71	18.80	18.65	18.80	18.80	20	5
20	QPSK	1	24	18.92	18.86	18.80	18.85	18.85	18.85		
20	QPSK	12	13	18.92	18.87	18.86	18.76	18.86	18.86		
20	QPSK	12	25	18.90	18.85	18.80	18.65	18.71	18.71		
20	QPSK	12	0	18.90	18.90	18.90	18.80	18.80	18.80		
20	QPSK	12	7	18.90	18.90	18.90	18.80	18.80	18.80		

Band 42 Ant5 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (min)	MPR (dB)		
Channel				42160	42580	42666				
Frequency (MHz)				3666	3660	3666				
20	QPSK	1	0	23.78	23.81	23.87	20.5	0		
20	QPSK	1	40	23.79	23.89	23.79				
20	QPSK	1	80	23.79	23.79	23.79				
20	QPSK	30	0	22.81	22.68	22.87	24.5	1		
20	QPSK	30	24	22.88	22.88	22.70				
20	QPSK	30	48	22.88	22.91	22.80				
20	QPSK	100	0	22.78	22.85	22.83	24.5	1		
20	16QAM	1	0	22.07	22.03	22.02				
20	16QAM	1	40	22.03	22.00	22.03				
20	16QAM	1	80	22.06	22.87	22.89	25.5	2		
20	16QAM	30	0	21.91	21.92	21.91				
20	16QAM	30	24	21.84	21.85	21.93				
20	16QAM	100	0	21.87	21.87	21.86	25.5	2		
20	8QAM	1	0	21.97	21.93	21.87				
20	8QAM	1	40	21.99	21.90	21.93				
20	8QAM	1	80	21.96	21.91	21.94	22.5	3		
20	8QAM	30	0	20.94	20.85	20.95				
20	8QAM	30	24	20.97	20.84	20.89				
20	8QAM	100	0	21.03	20.90	20.98	20.5	5		
20	256QAM	1	0	18.89	18.93	18.83				
20	256QAM	1	40	18.81	18.85	18.83				
20	256QAM	1	80	18.77	18.88	18.84	20.5	5		
20	256QAM	30	0	19.03	18.97	18.89				
20	256QAM	30	24	18.92	18.98	18.92				
20	256QAM	50	0	19.04	19.04	18.89	20.5	5		
20	256QAM	50	24	18.93	18.92	18.82				
20	256QAM	100	0	18.93	18.92	18.82				
Channel				3447.5	3500	3542.5				
Frequency (MHz)				3447.5	3500	3542.5				
15	QPSK	1	0	23.63	23.73	23.82	25.5	0		
15	QPSK	1	37	23.65	23.63	23.87				
15	QPSK	1	74	23.65	23.68	23.88				
15	QPSK	36	0	22.81	22.78	22.81	24.5	1		
15	QPSK	36	20	22.72	22.82	22.86				
15	QPSK	36	39	22.65	22.88	22.93				
15	QPSK	75	0	22.81	22.78	22.74	24.5	1		
15	16QAM	1	0	22.87	22.88	22.87				
15	16QAM	1	0	22.77	22.80	22.82				
15	16QAM	1	74	22.77	22.80	22.82	23.5	2		
15	16QAM	36	0	21.81	21.77	21.87				
15	16QAM	36	39	21.71	21.77	21.83				
15	16QAM	36	39	21.87	21.79	21.86	23.5	2		
15	16QAM	75	0	21.78	21.74	21.76				
15	16QAM	1	0	21.62	21.63	21.63				
15	8QAM	1	37	21.63	21.71	21.63	23.5	2		
15	8QAM	1	74	21.62	21.64	21.71				
15	8QAM	36	0	20.84	20.84	20.79				
15	8QAM	36	39	20.87	20.79	20.76	22.5	3		
15	8QAM	36	39	20.89	20.85	20.79				
15	8QAM	75	0	20.89	20.78	20.88				
15	256QAM	1	37	18.92	18.95	18.75	20.5	5		
15	256QAM	1	74	18.85	18.87	18.77				
15	256QAM	36	0	18.85	18.78	18.88				
15	256QAM	36	39	18.78	18.95	18.76	20.5	5		
15	256QAM	36	39	18.85	18.93	18.72				
15	256QAM	75	0	18.89	18.78	18.74				
Channel				42160	42580	42666				
Frequency (MHz)				42160	42580	42666				
10	QPSK	1	0	23.58	23.68	23.54	25.5	0		
10	QPSK	1	25	23.66	23.65	23.58				
10	QPSK	1	40	23.59	23.68	23.73				
10	QPSK	25	0	22.78	22.78	22.86	24.5	1		
10	QPSK	25	12	22.82	22.75	22.82				
10	QPSK	25	25	22.84	22.86	22.85				
10	QPSK	50	0	22.83	22.72	22.75	24.5	1		
10	16QAM	1	0	22.03	22.04	22.03				
10	16QAM	1	25	22.79	22.85	22.89				
10	16QAM	1	40	22.84	22.84	22.77	23.5	2		
10	16QAM	25	0	21.84	21.89	21.82				
10	16QAM	25	12	21.74	21.73	21.99				
10	8QAM	1	0	21.86	21.86	21.87	23.5	2		
10	8QAM	1	40	21.82	21.74	21.72				
10	8QAM	1	80	21.82	21.84	21.82				
10	8QAM	1	80	21.62	21.62	21.62	22.5	3		
10	8QAM	25	0	20.89	20.88	20.89				
10	8QAM	25	12	20.87	20.77	20.79				
10	8QAM	25	25	20.95	20.83	20.78	20.5	5		
10	8QAM	50	0	20.93	20.77	20.89				
10	256QAM	1	0	18.80	18.84	18.59				
10	256QAM	1	25	18.89	18.69	18.83	20.5	5		
10	256QAM	1	40	18.79	18.70	18.89				
10	256QAM	25	0	19.02	18.96	18.82				
10	256QAM	25	12	18.94	18.98	18.91	20.5	5		
10	256QAM	25	25	18.87	18.93	18.76				
10	256QAM	50	0	18.72	18.82	18.82				
Channel				3666	3660	3666				
Frequency (MHz)				3666	3660	3666				
5	QPSK	1	0	23.63	23.71	23.62	25.5	0		
5	QPSK	1	12	23.73	23.65	23.61				
5	QPSK	1	24	23.59	23.69	23.65				
5	QPSK	12	0	22.82	22.79	22.82	24.5	1		
5	QPSK	12	7	22.81	22.80	22.90				
5	QPSK	12	13	22.99	22.83	22.99				
5	QPSK	25	0	22.89	22.73	22.78	24.5	1		
5	16QAM	1	0	22.82	22.84	22.86				
5	16QAM	1	12	22.86	22.83	22.79				
5	16QAM	1	24	22.80	22.74	22.82	23.5	2		
5	16QAM	12	0	21.82	21.85	21.78				
5	16QAM	12	7	21.79	21.76	21.88				
5	16QAM	12	13	21.79	21.81	21.92	23.5	2		
5	8QAM	1	0	21.81	21.81	21.77				
5	8QAM	1	12	21.53	21.65	21.59				
5	8QAM	1	24	21.75	21.84	21.85	22.5	3		
5	8QAM	12	0	20.80	20.82	20.84				
5	8QAM	12	7	20.81	20.79	20.77				
5	8QAM	12	13	20.93	20.86	20.74	20.5	5		
5	8QAM	25	0	20.93	20.78	20.93				
5	256QAM	1	0	18.76	18.78	18.65				
5	256QAM	1	12	18.69	18.69	18.78	20.5	5		
5	256QAM	1	24	18.57	18.79	18.95				
5	256QAM	12	0	18.92	18.85	18.88				
5	256QAM	12	7							

Band 42 Ant10 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)		
Channel				42160	42600	42660				
Frequency (MHz)				3466	3600	3666				
20	QPSK	1	0	24.38	24.47	24.18	20.7	0		
20	QPSK	1	40	24.22	24.41	24.39				
20	QPSK	1	80	24.37	24.38	24.39				
20	QPSK	50	0	23.55	23.57	23.58	24.7	1		
20	QPSK	50	24	23.37	23.54	23.43				
20	QPSK	50	48	23.58	23.50	23.47				
20	QPSK	100	0	23.33	23.51	23.47	24.7	1		
20	16QAM	1	0	23.63	23.60	23.58				
20	16QAM	1	40	23.55	23.55	23.71				
20	16QAM	1	80	23.56	23.53	23.64	23.7	2		
20	16QAM	50	0	22.89	22.87	22.71				
20	16QAM	50	24	22.48	22.53	22.51				
20	16QAM	100	0	22.62	22.55	22.68	23.7	2		
20	8QAM	1	0	22.40	22.32	22.37				
20	8QAM	1	40	22.40	22.35	22.45				
20	8QAM	1	80	22.51	22.42	22.40	22.7	3		
20	8QAM	50	0	21.22	21.65	21.73				
20	8QAM	50	24	21.57	21.60	21.48				
20	8QAM	50	50	21.47	21.50	21.77	20.7	5		
20	256QAM	1	0	19.43	19.38	19.26				
20	256QAM	1	40	19.26	19.48	19.38				
20	256QAM	1	80	19.37	19.34	19.30	20.7	5		
20	256QAM	50	0	19.54	19.48	19.37				
20	256QAM	50	24	19.37	19.52	19.40				
20	256QAM	50	48	19.51	19.43	19.43	20.7	5		
20	256QAM	100	0	19.41	19.48	19.58				
Channel				3457.5	3600	3642.5	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				24.31	24.41	24.50 <td rowspan="3">25.7</td> <td rowspan="3">0</td> <td colspan="2"></td>	25.7	0		
15	QPSK	1	0	24.31	24.41	24.50				
15	QPSK	1	40	24.23	24.38	24.39				
15	QPSK	1	74	24.23	24.28	24.31	24.7	1		
15	QPSK	36	0	23.57	23.48	23.51				
15	QPSK	36	36	23.57	23.48	23.60				
15	QPSK	36	72	23.53	23.40	23.58	24.7	1		
15	16QAM	1	0	23.48	23.48	23.55				
15	16QAM	1	40	23.43	23.41	23.58				
15	16QAM	1	74	23.45	23.49	23.60	23.7	2		
15	16QAM	36	0	22.65	22.44	22.65				
15	16QAM	36	36	22.43	22.48	22.39				
15	16QAM	36	72	22.58	22.40	22.57	23.7	2		
15	16QAM	75	0	22.56	22.40	22.57				
15	8QAM	1	0	23.37	22.25	22.24				
15	8QAM	1	37	22.32	22.21	22.31	22.7	3		
15	8QAM	1	74	22.48	22.30	22.26				
15	8QAM	36	0	21.43	21.48	21.65				
15	8QAM	36	36	21.52	21.50	21.65	20.7	5		
15	8QAM	36	72	21.35	21.37	21.39				
15	8QAM	75	0	21.44	21.51	21.62				
15	256QAM	1	0	19.22	19.42	19.34	20.7	5		
15	256QAM	1	37	19.25	19.43	19.14				
15	256QAM	1	74	19.28	19.38	19.12				
15	256QAM	36	0	19.45	19.45	19.45	20.7	5		
15	256QAM	36	36	19.35	19.38	19.36				
15	256QAM	36	72	19.40	19.24	19.41				
15	256QAM	75	0	19.27	19.45	19.60	20.7	5		
Channel				42160	42600	42660				
Frequency (MHz)				3462.5	3600	3642.5 <td rowspan="3">25.7</td> <td rowspan="3">0</td> <td colspan="2"></td>	25.7	0		
10	QPSK	1	0	34.62	34.43	34.33				
10	QPSK	1	25	24.18	24.38	24.35				
10	QPSK	1	50	24.27	24.28	24.25	24.7	1		
10	QPSK	25	0	23.43	23.47	23.42				
10	QPSK	25	12	23.52	23.40	23.47				
10	QPSK	25	37	23.51	23.48	23.53	24.7	1		
10	QPSK	50	0	23.59	23.38	23.52				
10	16QAM	1	0	23.57	23.50	23.54				
10	16QAM	1	25	23.44	23.44	23.63	24.7	1		
10	16QAM	1	40	23.42	23.49	23.56				
10	16QAM	25	0	22.84	22.83	22.80				
10	16QAM	25	12	22.38	22.40	22.42	23.7	2		
10	16QAM	50	0	22.68	22.52	22.57				
10	16QAM	50	0	22.53	22.45	22.50				
10	8QAM	1	0	22.32	22.17	22.33	23.7	2		
10	8QAM	1	25	22.35	22.31	22.41				
10	8QAM	1	40	22.40	22.32	22.26				
10	8QAM	25	0	21.48	21.51	21.63	22.7	3		
10	8QAM	25	12	21.54	21.49	21.72				
10	8QAM	25	37	21.40	21.43	21.39				
10	8QAM	50	0	21.48	21.51	21.67	20.7	5		
10	8QAM	50	0	19.35	19.30	19.10				
10	256QAM	1	0	19.13	19.30	19.14				
10	256QAM	1	40	19.23	19.33	19.20	20.7	5		
10	256QAM	25	0	19.48	19.53	19.37				
10	256QAM	25	12	19.25	19.48	19.38				
10	256QAM	25	37	19.38	19.38	19.34	20.7	5		
10	256QAM	50	0	19.19	19.47	19.59				
Channel				3452.5	3600	3647.5	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				24.23	24.43	24.66 <td rowspan="3">25.7</td> <td rowspan="3">0</td> <td colspan="2"></td>	25.7	0		
5	QPSK	1	0	24.23 <td>24.43<td>24.66</td><td colspan="2"></td></td>	24.43 <td>24.66</td> <td colspan="2"></td>	24.66				
5	QPSK	1	15	24.08 <td>24.28<td>24.31</td><td colspan="2"></td></td>	24.28 <td>24.31</td> <td colspan="2"></td>	24.31				
5	QPSK	1	24	24.24 <td>24.29<td>24.31</td><td rowspan="3">24.7</td><td rowspan="3">1</td><td colspan="2"></td></td>	24.29 <td>24.31</td> <td rowspan="3">24.7</td> <td rowspan="3">1</td> <td colspan="2"></td>	24.31	24.7	1		
5	QPSK	12	7	23.54 <td>23.46<td>23.54</td><td colspan="2"></td></td>	23.46 <td>23.54</td> <td colspan="2"></td>	23.54				
5	QPSK	12	13	23.45 <td>23.53<td>23.47</td><td colspan="2"></td></td>	23.53 <td>23.47</td> <td colspan="2"></td>	23.47				
5	QPSK	25	0	23.50 <td>23.40<td>23.34</td><td rowspan="3">24.7</td><td rowspan="3">1</td><td colspan="2"></td></td>	23.40 <td>23.34</td> <td rowspan="3">24.7</td> <td rowspan="3">1</td> <td colspan="2"></td>	23.34	24.7	1		
5	16QAM	1	0	23.59 <td>23.52</td> <td>23.65</td> <td colspan="2"></td>	23.52	23.65				
5	16QAM	1	12	23.44 <td>23.49<td>23.54</td><td colspan="2"></td></td>	23.49 <td>23.54</td> <td colspan="2"></td>	23.54				
5	16QAM	1	24	23.46 <td>23.49<td>23.54</td><td rowspan="3">23.7</td><td rowspan="3">2</td><td colspan="2"></td></td>	23.49 <td>23.54</td> <td rowspan="3">23.7</td> <td rowspan="3">2</td> <td colspan="2"></td>	23.54	23.7	2		
5	16QAM	12	0	22.59 <td>22.45<td>22.63</td><td colspan="2"></td></td>	22.45 <td>22.63</td> <td colspan="2"></td>	22.63				
5	16QAM	12	7	22.38 <td>22.40<td>22.41</td><td colspan="2"></td></td>	22.40 <td>22.41</td> <td colspan="2"></td>	22.41				
5	16QAM	12	13	22.61 <td>22.53<td>22.46</td><td rowspan="3">23.7</td><td rowspan="3">2</td><td colspan="2"></td></td>	22.53 <td>22.46</td> <td rowspan="3">23.7</td> <td rowspan="3">2</td> <td colspan="2"></td>	22.46	23.7	2		
5	16QAM	25	0	22.51 <td>22.59</td> <td>22.62</td> <td colspan="2"></td>	22.59	22.62				
5	8QAM	1	0	22.30 <td>22.23</td> <td>22.28</td> <td colspan="2"></td>	22.23	22.28				
5	8QAM	1	12	22.48 <td>22.32</td> <td>22.27</td> <td rowspan="3">23.7</td> <td rowspan="3">2</td> <td colspan="2"></td>	22.32	22.27	23.7	2		
5	8QAM	1	24	21.52 <td>21.57</td> <td>21.69</td> <td colspan="2"></td>	21.57	21.69				
5	8QAM	12	7	21.52 <td>21.60</td> <td>21.65</td> <td colspan="2"></td>	21.60	21.65				
5	8QAM	12	13	21.35 <td>21.59</td> <td>21.38</td> <td rowspan="3">22.7</td> <td rowspan="3">3</td> <td colspan="2"></td>	21.59	21.38	22.7	3		
5	8QAM	25	0	21.54 <td>21.51</td> <td>21.68</td> <td colspan="2"></td>	21.51	21.68				
5	256QAM	1	0	19.32 <td>19.29</td> <td>19.16</td> <td colspan="2"></td>	19.29	19.16				
5	256QAM	1	15	19.07 <td>19.41</td> <td>19.06</td> <td rowspan="3">20.7</td> <td rowspan="3">5</td> <td colspan="2"></td>	19.41	19.06	20.7	5		
5	256QAM	1	24	19.31 <td>19.26</td> <td>19.19</td> <td colspan="2"></td>	19.26	19.19				
5	256QAM	1	37	19.44 <td>19.38</td> <td>19.35</td> <td colspan="2"></td>	19.38	19.35				
5	256QAM	12	7	19.32 <td>19.48</td> <td>19.41</td> <td rowspan="3">20.7</td> <td rowspan="3">5</td> <td colspan="2"></td>	19.48	19.41	20.7	5		
5	256QAM	12	13	19.20 <td>19.24</td> <td>19.23</td> <td colspan="2"></td>	19.24	19.23				
5	256QAM	25	0	19.00 <td>19.24</td> <td>19.23</td> <td colspan="2"></td>	19.24	19.23				

Band 42 Ant11 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)					
Channel				42160	42580	42660							
Frequency (MHz)				3466	3500	3546							
20	QPSK	1	0	21.68	21.72	21.81	23.5	0					
20	QPSK	1	40	21.64	21.68	21.67							
20	QPSK	1	80	21.60	21.69	21.63							
20	QPSK	50	0	20.72	20.79	20.68	22.5	1					
20	QPSK	50	24	20.67	20.68	20.69							
20	QPSK	50	48	20.74	20.68	20.70							
20	16QAM	1	0	20.64	20.63	20.65	22.5	1					
20	16QAM	1	40	20.71	20.69	20.64							
20	16QAM	1	80	20.61	20.68	20.70							
20	16QAM	50	0	19.76	19.86	19.75	21.5	2					
20	16QAM	50	24	19.79	19.75	19.81							
20	16QAM	100	0	19.74	19.76	19.76							
20	16QAM	100	0	19.71	19.72	19.72	21.5	2					
20	16QAM	1	0	19.66	19.65	19.67							
20	16QAM	1	40	19.70	19.67	19.66							
20	16QAM	1	80	19.74	19.68	19.61	20.5	3					
20	16QAM	50	24	19.54	19.61	19.74							
20	16QAM	50	50	19.60	19.79	19.78							
20	16QAM	100	0	19.71	19.65	19.65	19.5	5					
20	256QAM	1	0	19.78	19.81	19.67							
20	256QAM	1	40	19.60	19.74	19.68							
20	256QAM	1	80	19.59	19.60	19.79	18.5	5					
20	256QAM	50	0	19.79	19.78	19.77							
20	256QAM	50	24	19.67	19.69	19.69							
20	256QAM	50	48	19.61	19.67	19.61	18.5	5					
20	256QAM	100	0	19.63	19.65	19.75							
Channel				42160	42580	42660							
Frequency (MHz)				3467.5	3500.5	3542.5							
15	QPSK	1	0	21.54	21.68	21.54	23.5		0				
15	QPSK	1	37	21.61	21.69	21.58							
15	QPSK	1	74	21.63	21.67	21.64							
15	QPSK	36	0	20.68	20.69	20.68	22.5	1					
15	QPSK	36	20	20.62	20.63	20.67							
15	QPSK	36	39	20.58	20.59	20.67							
15	QPSK	75	0	20.58	20.63	20.59	22.5	1					
15	16QAM	1	0	20.70	20.74	20.59							
15	16QAM	1	37	20.73	20.69	20.59							
15	16QAM	36	0	19.62	19.73	19.71	21.5	2					
15	16QAM	36	39	19.70	19.65	19.79							
15	16QAM	36	74	19.69	19.64	19.65							
15	16QAM	75	0	19.63	19.59	19.59	21.5	2					
15	16QAM	1	0	19.64	19.74	19.62							
15	16QAM	1	37	19.55	19.62	19.57							
15	16QAM	1	74	19.61	19.66	19.61	20.5	3					
15	16QAM	36	0	19.67	19.61	19.60							
15	16QAM	36	39	19.70	19.67	19.59							
15	16QAM	36	74	19.60	19.67	19.74	18.5	5					
15	16QAM	75	0	19.53	19.64	19.58							
15	256QAM	1	37	19.71	19.69	19.65							
15	256QAM	1	74	19.54	19.58	19.58	18.5	5					
15	256QAM	36	0	19.61	19.72	19.61							
15	256QAM	36	39	19.79	19.55	19.64							
15	256QAM	36	74	19.68	19.70	19.65	18.5	5					
15	256QAM	75	0	19.62	19.50	19.61							
15	256QAM	75	0	19.62	19.50	19.61							
Channel				42160	42580	42660							
Frequency (MHz)				3467.5	3500.5	3542.5							
10	QPSK	1	0	21.62	21.65	21.64	23.5	0					
10	QPSK	1	25	21.59	21.65	21.58							
10	QPSK	1	50	21.60	21.58	21.58							
10	QPSK	25	0	20.64	20.72	20.67	22.5	1					
10	QPSK	25	12	20.61	20.59	20.70							
10	QPSK	25	25	20.53	20.55	20.59							
10	QPSK	50	0	20.62	20.75	20.59	22.5	1					
10	16QAM	1	0	20.65	20.74	20.63							
10	16QAM	1	25	20.62	20.71	20.60							
10	16QAM	1	49	20.62	20.69	20.63	21.5	2					
10	16QAM	25	0	19.67	19.68	19.69							
10	16QAM	25	12	19.69	19.60	19.61							
10	16QAM	50	0	19.63	19.68	19.75	21.5	2					
10	16QAM	1	0	19.78	19.79	19.62							
10	16QAM	1	25	19.67	19.59	19.59							
10	16QAM	1	49	19.65	19.59	19.74	20.5	3					
10	16QAM	25	0	19.61	19.68	19.64							
10	16QAM	25	12	19.64	19.60	19.71							
10	16QAM	50	0	19.59	19.62	19.65	18.5	5					
10	256QAM	1	0	19.75	19.60	19.52							
10	256QAM	1	25	19.56	19.64	19.59							
10	256QAM	1	49	19.59	19.55	19.77	18.5	5					
10	256QAM	25	0	19.74	19.61	19.64							
10	256QAM	25	12	19.63	19.58	19.75							
10	256QAM	25	25	19.70	19.76	19.60	18.5	5					
10	256QAM	50	0	19.61	19.75	19.67							
10	256QAM	50	0	19.61	19.77	19.67							

Band 48 Ant11 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel				50340	50800	50916	50600			
Frequency (MHz)				3560	3600	3640	36915			
20	QPSK	1	0	21.70	21.79	21.78	21.62	23.5	0	
20	QPSK	1	49	21.68	21.60	21.65	21.64			
20	QPSK	1	99	21.70	21.77	21.70	21.70			
20	QPSK	50	0	20.59	20.68	20.70	20.63	22.5	1	
20	QPSK	50	24	20.78	20.67	20.68	20.76			
20	QPSK	50	50	20.79	20.77	20.70	20.70			
20	QPSK	100	0	20.74	20.76	20.69	20.68	22.5	1	
20	16QAM	1	0	20.74	20.69	20.70	20.71			
20	16QAM	1	49	20.74	20.69	20.79	20.71			
20	16QAM	1	99	20.73	20.78	20.91	20.72	21.5	2	
20	16QAM	50	0	19.75	19.83	19.83	19.83			
20	16QAM	50	24	19.92	19.75	19.89	19.87			
20	16QAM	100	0	19.84	19.78	19.75	19.81	21.5	2	
20	16QAM	100	0	19.80	19.75	19.71	19.81			
20	16QAM	1	0	19.85	19.83	19.84	19.86	20.5	3	
20	16QAM	1	49	19.70	19.66	19.80	19.80			
20	16QAM	1	99	19.65	19.75	19.83	19.76			
20	16QAM	50	24	19.05	19.78	19.04	19.63	19.5	5	
20	16QAM	50	50	19.82	19.85	19.88	19.88			
20	16QAM	100	0	19.71	19.70	19.70	19.70			
20	256QAM	1	0	19.86	19.77	19.88	19.65	18.5	5	
20	256QAM	1	49	19.63	19.69	19.68	19.68			
20	256QAM	1	99	19.72	19.68	19.63	19.68			
20	256QAM	50	0	19.69	19.89	19.88	19.62	18.5	5	
20	256QAM	50	24	19.87	19.69	19.68	19.67			
20	256QAM	50	50	19.83	19.75	19.77	19.87			
20	256QAM	100	0	19.81	19.79	19.70	19.72			
Channel				50520	50900	50916	50600	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3652.5	3690	3640	36915			
20	QPSK	1	0	21.67	21.77	21.58	21.61	23.5	0	
20	QPSK	1	37	21.65	21.68	21.61	21.67			
20	QPSK	1	74	21.61	21.62	21.57	21.59			
20	QPSK	50	0	20.64	20.66	20.65	20.65	22.5	1	
20	QPSK	50	24	20.69	20.62	20.50	20.60			
20	QPSK	50	50	20.75	20.63	20.74	20.74			
20	QPSK	100	0	20.63	20.71	20.67	20.64	22.5	1	
20	16QAM	1	0	20.67	20.65	20.75	20.67			
20	16QAM	1	37	20.63	20.63	20.66	20.63			
20	16QAM	1	74	20.63	20.63	20.66	20.63	21.5	2	
20	16QAM	50	0	19.62	19.84	19.79	19.61			
20	16QAM	50	24	19.76	19.68	19.63	19.68			
20	16QAM	50	50	19.73	19.79	19.87	19.58	21.5	2	
20	16QAM	100	0	19.73	19.58	19.59	19.63			
20	16QAM	100	0	19.67	19.54	19.63	19.68			
20	16QAM	1	0	19.64	19.63	19.64	19.64	20.5	3	
20	16QAM	1	49	19.55	19.63	19.69	19.62			
20	16QAM	1	99	19.75	19.65	19.78	19.68			
20	16QAM	50	24	19.05	19.65	19.68	19.68	19.5	5	
20	16QAM	50	50	19.87	19.69	19.75	19.68			
20	16QAM	100	0	19.72	19.67	19.67	19.67			
20	256QAM	1	0	19.69	19.68	19.62	19.65	18.5	5	
20	256QAM	1	49	19.69	19.68	19.68	19.67			
20	256QAM	1	99	19.84	19.69	19.75	19.68			
20	256QAM	50	24	19.87	19.72	19.67	19.67			
Channel				50520	50900	50916	50600	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3652.5	3690	3640	36915			
20	QPSK	1	0	21.71	21.77	21.58	21.61	23.5	0	
20	QPSK	1	37	21.68	21.69	21.60	21.67			
20	QPSK	1	74	21.61	21.75	21.67	21.63			
20	QPSK	25	0	20.58	20.65	20.60	20.59	22.5	1	
20	QPSK	25	12	20.66	20.64	20.60	20.61			
20	QPSK	25	25	20.66	20.64	20.60	20.61			
20	QPSK	50	0	20.60	20.67	20.70	20.69	22.5	1	
20	QPSK	50	25	20.65	20.60	20.67	20.65			
20	16QAM	1	0	20.72	20.64	20.65	20.60			
20	16QAM	1	49	20.60	20.60	20.65	20.67	21.5	2	
20	16QAM	1	99	20.79	20.78	20.79	20.64			
20	16QAM	25	12	19.93	19.76	19.69	19.81			
20	16QAM	25	25	19.98	19.76	19.69	19.86	21.5	2	
20	16QAM	50	0	19.72	19.95	19.72	19.98			
20	16QAM	50	25	19.60	19.85	19.74	19.87			
20	16QAM	100	0	19.57	19.82	19.82	19.84	21.5	2	
20	16QAM	100	0	19.52	19.80	19.79	19.62			
20	16QAM	1	0	19.86	19.72	19.77	19.67			
20	16QAM	25	0	19.84	19.84	19.87	19.87	20.5	3	
20	16QAM	25	12	19.84	19.84	19.84	19.84			
20	16QAM	25	25	19.80	19.74	19.82	19.87			
20	16QAM	50	0	19.71	19.68	19.64	19.74	19.5	5	
20	16QAM	50	25	19.67	19.60	19.76	19.60			
20	16QAM	100	0	19.67	19.79	19.66	19.67			
20	256QAM	1	0	19.67	19.67	19.62	19.64	18.5	5	
20	256QAM	1	49	19.67	19.67	19.62	19.64			
20	256QAM	1	99	19.74	19.62	19.70	19.70			
20	256QAM	50	24	19.75	19.69	19.69	19.69			
Channel				50520	50900	50916	50600	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3652.5	3690	3640	36915			
20	QPSK	1	0	21.61	21.69	21.60	21.64	23.5	0	
20	QPSK	1	37	21.62	21.71	21.62	21.68			
20	QPSK	1	74	21.62	21.67	21.72	21.68			
20	QPSK	12	7	20.56	20.67	20.68	20.77	22.5	1	
20	QPSK	12	15	20.67	20.71	20.64	20.65			
20	QPSK	12	23	20.62	20.78	20.69	20.59			
20	16QAM	1	0	20.58	20.78	20.69	20.75	22.5	1	
20	16QAM	1	37	20.67	20.78	20.69	20.65			
20	16QAM	1	74	20.63	20.65	20.79	20.71			
20	16QAM	12	0	19.60	19.84	19.87	19.50	21.5	2	
20	16QAM	12	15	19.83	19.84	19.84	19.63			
20	16QAM	12	23	19.84	19.72	19.77	19.62			
20	16QAM	25	0	19.88	19.87	19.80	19.74	21.5	2	
20	16QAM	25	15	19.75	19.75	19.78	19.84			
20	16QAM	25	23	19.84	19.82	19.77	19.62			
20	16QAM	1	0	19.88	19.80	19.83	19.83	20.5	3	
20	16QAM	1	37	19.84	19.80	19.80	19.72			
20	16QAM	1	74	19.89	19.88	19.93	19.78			
20	16QAM	25	0	19.89	19.88	19.89	19.78	19.5	5	
20	16QAM	25	15	19.89	19.88	19.88	19.83			
20	16QAM	25	23	19.84	19.88	19.83	19.83			
20	256QAM	1	0	19.64	19.63	19.63	19.67	18.5	5	
20	256QAM	1	49	19.62	19.62	19.72	19.62			
20	256QAM	12	7	19.65	19.62	19.69	19.67			
20	256QAM	12	15	19.72	19.67	19.66	19.60	18.5	5	
20	256QAM	12	23	19.67	19.67	19.66	19.63			
20	256QAM	50	24	19.67	19.67	19.67	19.67			

Reduced power level for WWAN Main PA

Subsystem	Current Avg (dBm)			Power Average Power (dBm)		
	Min	Max	Limit	Min	Max	Limit
TX Channel	185	189	201	178	189	201
Frequency (MHz)	824.2	824.6	849.8	824.2	824.6	849.8
QPSK 1 Tx min	32.19	32.50	32.88	33.60	33.19	33.58
QPSK 1 Tx max	32.50	32.80	33.10	33.90	33.50	33.90
QPSK 2 Tx min	28.13	28.97	29.90	30.50	29.13	30.87
QPSK 2 Tx max	27.60	27.90	28.20	29.37	29.67	30.00
QPSK 4 Tx min	26.92	26.74	27.58	27.92	27.74	28.58
EDGE 1 Tx min	36.32	26.17	26.12	27.92	17.17	17.12
EDGE 1 Tx max	27.92	23.12	23.01	24.92	17.12	17.01
EDGE 3 Tx min	21.87	21.72	21.84	23.92	17.31	17.46
EDGE 3 Tx max	20.30	20.28	20.16	21.92	17.26	16.90

WCDMA V-Axis (dB)			
Band	Min	Max	Limit
TX Channel	4132	4182	4233
Frequency (MHz)	4424	4424	4424
QPSK 1 Tx min	24.36	24.45	24.25
QPSK 1 Tx max	24.70	24.70	24.77
QPSK 2 Tx min	23.02	23.09	23.41
QPSK 2 Tx max	23.36	23.41	23.77
QPSK 4 Tx min	22.82	22.94	23.12
QPSK 4 Tx max	22.98	22.98	23.16
DC-HSPA Subcar-1	21.43	23.44	23.36
DC-HSPA Subcar-2	23.40	23.43	23.23
DC-HSPA Subcar-3	22.90	22.92	22.80
DC-HSPA Subcar-4	22.75	22.86	22.87
HSPA Subcar-1	21.30	21.40	21.35
HSPA Subcar-2	21.42	21.40	21.35
HSPA Subcar-3	22.32	22.35	22.30
HSPA Subcar-4	21.47	21.54	21.23
PSCH Subcar-1	20.32	20.42	20.25

Band 4 Ant0 DS1 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Time-up Int. (min)	MPE (dB)				
Channel											
Frequency (MHz)											
20	QPSK	1	0	17.95	17.95	17.95					
20	QPSK	1	48	21.83	21.83	21.83	23.5	0			
20	QPSK	1	96	21.75	21.81	21.77					
20	QPSK	1	144	21.75	21.81	21.77					
20	QPSK	50	0	20.94	20.93	20.99	22.5	1			
20	QPSK	50	50	20.94	20.99	20.95					
20	QPSK	100	0	20.95	20.98	20.95					
20	QPSK	100	50	20.95	20.97	20.92					
20	16QAM	1	0	21.08	21.12	21.12	22.5	1			
20	16QAM	1	96	20.91	20.92	20.92					
20	16QAM	50	0	20.95	20.97	20.96					
20	16QAM	50	50	19.95	19.98	19.94	21.5	2			
20	16QAM	100	0	19.95	19.97	19.96					
20	16QAM	100	50	19.95	19.98	19.94	20.5	3			
20	16QAM	1	48	19.96	19.92	19.94					
20	16QAM	1	96	19.93	19.89	19.95					
20	16QAM	50	0	19.95	19.97	19.96					
20	16QAM	50	50	19.91	19.96	19.96	20.5	3			
20	16QAM	100	0	19.93	19.97	19.99					
20	256QAM	1	0	17.08	16.94	16.99	18.5	5			
20	256QAM	1	48	16.95	16.93	16.91					
20	256QAM	1	96	16.93	16.93	16.93					
20	256QAM	50	0	17.12	17.18	17.11					
20	256QAM	50	50	16.93	16.95	16.91	18.5	5			
20	256QAM	50	96	17.05	16.98	16.95					
20	256QAM	100	0	16.93	17.22	17.16					
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.72	21.70	21.75					
15	QPSK	1	48	21.73	21.65	21.73	23.5	0			
15	QPSK	1	96	21.69	21.62	21.61					
15	QPSK	1	144	21.69	21.62	21.61					
15	QPSK	36	0	20.87	20.97	20.93					
15	QPSK	36	36	20.77	20.87	20.81	22.5	1			
15	QPSK	36	96	20.73	20.70	20.84					
15	QPSK	75	0	20.68	20.77	20.69					
15	QPSK	75	36	20.68	20.67	20.67	22.5	1			
15	16QAM	1	0	21.08	21.09	21.09					
15	16QAM	1	96	21.08	21.10	21.12	22.5	1			
15	16QAM	36	0	19.87	19.86	19.78					
15	16QAM	36	36	19.88	19.87	19.74	21.5	2			
15	16QAM	75	0	19.88	19.87	19.74					
15	16QAM	75	36	19.88	19.87	19.86	20.5	3			
15	16QAM	1	0	20.07	20.05	19.98					
15	16QAM	1	96	20.07	20.07	20.07	21.5	2			
15	16QAM	1	74	19.84	19.84	19.78					
15	16QAM	36	0	19.91	19.87	19.78					
15	16QAM	36	36	19.85	19.89	19.73	20.5	3			
15	16QAM	75	0	19.88	19.77	19.98					
15	256QAM	1	0	17.06	16.82	16.86					
15	256QAM	1	48	16.94	16.74	16.72	18.5	5			
15	256QAM	1	96	16.73	16.75	16.65					
15	256QAM	1	37	16.73	16.75	16.65					
15	256QAM	1	96	17.12	17.11	16.87					
15	256QAM	36	0	16.88	16.78	16.71					
15	256QAM	36	36	16.81	16.95	16.81	18.5	5			
15	256QAM	36	96	16.93	16.77	16.98					
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.82	21.80	21.82					
10	QPSK	1	25	21.84	21.81	21.82	23.5	0			
10	QPSK	1	50	21.84	21.80	21.80					
10	QPSK	25	0	20.88	20.90	20.98					
10	QPSK	25	12	20.73	20.95	20.78	22.5	1			
10	QPSK	25	50	20.69	20.79	20.78					
10	QPSK	50	0	20.67	20.80	20.78					
10	16QAM	1	0	20.97	21.05	21.01					
10	16QAM	1	25	21.05	21.05	21.17	22.5	1			
10	16QAM	1	49	20.84	20.80	20.87					
10	16QAM	1	75	20.84	20.80	20.87					
10	16QAM	25	12	19.75	19.70	19.73	21.5	2			
10	16QAM	25	25	19.82	19.87	19.81					
10	16QAM	50	0	19.75	19.70	19.78					
10	16QAM	50	25	19.88	19.89	19.73	20.5	3			
10	16QAM	50	50	19.88	19.85	19.85					
10	16QAM	1	0	19.84	19.88	19.89					
10	256QAM	1	0	16.91	16.75	16.95	18.5	5			
10	256QAM	1	49	16.92	16.71	16.69					
10	256QAM	1	25	16.92	16.75	16.75					
10	256QAM	1	50	16.91	16.75	16.95	18.5	5			
10	256QAM	12	0	16.77	16.83	16.78					
10	256QAM	12	13	16.87	16.70	16.67	18.5	5			
10	256QAM	25	0	16.89	16.70	16.67					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.68	21.64	21.72					
5	QPSK	1	12	21.64	21.61	21.67	23.5	0			
5	QPSK	1	24	21.68	21.59	21.68					
5	QPSK	1	36	20.75	20.69	20.78					
5	QPSK	12	7	20.74	20.64	20.62	22.5	1			
5	QPSK	12	13	20.94	20.85	20.86					
5	QPSK	24	0	20.72	20.69	20.74					
5	16QAM	1	0	20.92	20.97	21.01					
5	16QAM	1	36	21.02	21.02	21.07	22.5	1			
5	16QAM	1	24	19.94	20.93	20.95					
5	16QAM	12	0	19.90	19.91	19.94					
5	16QAM	12	7	19.81	19.81	19.80	21.5	2			
5	16QAM	12	13	19.74	19.71	19.84					
5	16QAM	25	0	19.85	19.83	19.88					
5	16QAM	25	12	19.80	19.80	19.84	20.5	3			
5	16QAM	1	0	19.78	19.87	19.86					
5	16QAM	1	24	19.86	19.80	19.74					
5	16QAM	12	7	19.78	19.83	19.77	20.5	3			
5	16QAM	12	13	19.80	19.82	19.82					
5	16QAM	25	0	19.80	19.82	19.82					
5	256QAM	1	0	17.08	16.72	16.72	18.5	5			
5	256QAM	1	49	16.90	16.70	16.69					
5	256QAM	1	24	16.72	16.70	16.76					
5	256QAM	12	0	17.07	16.98	16.78					
5	256QAM	12	7	16.80	16.84	16.78	18.5	5			
5	256QAM	12	13	16.80	16.87	16.75					
5	256QAM	25	0	16.89	17.02	17.02					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	21.70	21.60	21.65					
1.4	QPSK	1	5	21.69	21.71	21.63	23.5	0			
1.4	QPSK	1	10	21.54	21.77	21.78					
1.4	QPSK	3	0	21.85	21.80	21.85					
1.4	QPSK	3	1	21.64	21.79	21.62	22.5	1			
1.4	QPSK	3	5	21.86	21.79	21.86					
1.4	QPSK	6	0	20.84	20.84	20.86	22.5	1			
1.4	QPSK	6	3	20.84	20.86	20.86					
1.4	QPSK	3	0	21.18	21.11	21.12					
1.4	16QAM	1	0	20.88	20.88	20.78	22.5	1			
1.4	16QAM	1	3	20.93	20.93	20.93					
1.4	16QAM	3	0	20.81	20.84	20.77					
1.4	16QAM	3	3	20.80	20.84	20.76	21.5	2			
1.4	16QAM	6	0	19.81	19.79	19.89					
1.4	16QAM	6	3	19.81	19.80	19.97					
1.4	16QAM	3	0	19.75	19.83	19.84	21.5	2			
1.4	16QAM	3	3	19.88	19.87	19.85					
1.4	16QAM	6	0	20.00	19.98	19.81					
1.4	16QAM	6	3	19.85	19.75	19.87	20.5	3			
1.4	16QAM	3	0	18.82	18.86	18.93	18.5	5			
1.4	16QAM	3	3	18.93	18.86	18.70					
1.4	16QAM	6	0	16.76	16.76	16.66					
1.4	16QAM	6	3	16.77	16.68	16.84	18.5	5			
1.4	16QAM	3	0	17.17	16.97	16.92					
1.4	256QAM	1	0	16.72	16.80	16.84					
1.4	256QAM	3	0	17.06	16.80	16.84	18.5	5			
1.4	256QAM	3	3	17.19	16.84	17.01					

Band 13 Ant0 DS1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Time-up int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
762									
10	QPSK	1	0	23.28	23.28	23.28	24.5	0	
10	QPSK	1	25	23.32	23.32	23.32			
10	QPSK	1	49	23.35	23.35	23.35			
10	QPSK	25	12	23.48	23.48	23.48	23.5	1	
10	QPSK	25	25	23.44	23.44	23.44			
10	QPSK	25	0	23.50	23.50	23.50			
10	WQAM	1	0	23.28	23.28	23.28	23.5	1	
10	WQAM	1	25	23.43	23.43	23.43			
10	WQAM	1	49	23.50	23.50	23.50			
10	WQAM	25	12	23.50	23.50	23.50	22.5	2	
10	WQAM	25	25	23.46	23.46	23.46			
10	WQAM	25	0	23.52	23.52	23.52			
10	WQAM	50	0	23.48	23.48	23.48	22.5	2	
10	WQAM	50	0	23.53	23.53	23.53			
10	WQAM	1	25	23.54	23.54	23.54			
10	WQAM	1	49	23.62	23.62	23.62	21.5	3	
10	WQAM	25	0	23.48	23.48	23.48			
10	WQAM	25	12	23.53	23.53	23.53			
10	WQAM	25	25	23.46	23.46	23.46	19.5	5	
10	WQAM	50	0	23.50	23.50	23.50			
10	WQAM	50	0	23.52	23.52	23.52			
10	SSBQAM	25	12	18.42	18.42	18.42	19.5	5	
10	SSBQAM	25	25	18.44	18.44	18.44			
10	SSBQAM	50	0	18.53	18.53	18.53			
Channel									
Frequency [MHz]									
776.5									
5	QPSK	1	0	23.18	23.23	23.21	24.5	0	
5	QPSK	1	13	23.20	23.25	23.28			
5	QPSK	1	24	23.22	23.29	23.30			
5	QPSK	12	7	22.34	22.30	22.44	23.5	1	
5	QPSK	12	13	22.48	22.44	22.48			
5	QPSK	25	0	22.35	22.40	22.51			
5	QPSK	25	6	22.17	22.19	22.25	23.5	1	
5	WQAM	1	12	22.36	22.39	22.37			
5	WQAM	1	24	22.36	22.39	22.39			
5	WQAM	12	5	21.43	21.41	21.48	22.5	2	
5	WQAM	12	7	21.49	21.43	21.47			
5	WQAM	12	13	21.50	21.48	21.44			
5	WQAM	25	6	21.41	21.41	21.48	22.5	2	
5	WQAM	1	0	21.42	21.47	21.51			
5	WQAM	1	19	21.58	21.57	21.63			
5	WQAM	1	24	21.45	21.50	21.46	21.5	3	
5	WQAM	12	0	20.47	20.44	20.41			
5	WQAM	12	7	20.44	20.43	20.43			
5	WQAM	12	13	20.38	20.34	20.35	21.5	3	
5	WQAM	25	0	20.19	20.20	20.26			
5	SSBQAM	1	0	18.37	18.45	18.27			
5	SSBQAM	1	12	18.20	18.22	18.25	19.5	5	
5	SSBQAM	12	0	18.40	18.23	18.27			
5	SSBQAM	12	7	18.35	18.34	18.31			
5	SSBQAM	12	13	18.34	18.34	18.34	19.5	5	
5	SSBQAM	25	0	18.39	18.39	18.33			
5	SSBQAM	25	0	18.39	18.39	18.33			

Band 17 Ant0 DS1 Default														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Time-up (int. min)	MPR (dB)						
Channel														
Frequency [MHz]														
769														
10	QPSK	1	0	24.30	24.30	24.25	25.0	0						
10	QPSK	1	25	24.27	24.31	24.21								
10	QPSK	1	49	24.28	24.25	24.15								
10	QPSK	25	0	23.27	23.40	23.26								
10	QPSK	25	12	23.26	23.37	23.23	24.5	1						
10	QPSK	25	25	23.25	23.24	23.27								
10	WQAM	50	0	23.32	23.38	23.34								
10	WQAM	1	0	23.29	23.31	23.21								
10	WQAM	1	25	23.18	23.17	23.22	24.5	1						
10	WQAM	1	49	23.16	23.19	23.16								
10	WQAM	25	0	22.44	22.39	22.44								
10	WQAM	25	12	22.18	22.21	22.18								
10	WQAM	25	25	22.26	22.26	22.22	23.5	2						
10	WQAM	50	0	22.41	22.35	22.38								
10	WQAM	1	0	22.51	22.51	22.51								
10	WQAM	1	25	22.24	22.26	22.30								
10	WQAM	1	49	22.16	22.15	22.15	22.5	3						
10	WQAM	25	0	21.29	21.23	21.28								
10	WQAM	25	12	21.14	21.16	21.20								
10	WQAM	25	25	21.28	21.26	21.34								
10	SSBQAM	1	0	19.37	19.44	19.17	20.5	5						
10	SSBQAM	1	25	19.36	19.45	19.31								
10	SSBQAM	1	49	19.37	19.47	19.35								
10	SSBQAM	25	0	19.35	19.40	19.30								
10	SSBQAM	25	12	19.37	19.44	19.17								
10	SSBQAM	25	25	19.27	19.21	19.23								
10	SSBQAM	50	0	19.35	19.29	19.29								
Channel														
Frequency [MHz]														
770.5														
5	QPSK	1	0	24.18	24.18	24.19	25.0	0						
5	QPSK	1	14	23.28	24.32	23.50								
5	QPSK	1	24	24.17	24.17	24.04								
5	QPSK	12	0	23.14	23.16	23.19								
5	QPSK	12	7	23.28	23.29	23.20	24.5	1						
5	QPSK	12	14	23.15	23.11	23.14								
5	QPSK	25	0	23.28	23.24	23.19								
5	QPSK	1	0	23.18	23.21	23.17								
5	WQAM	1	14	23.13	23.13	23.13	24.5	1						
5	WQAM	1	24	23.08	23.08	22.99								
5	WQAM	12	0	22.14	22.14	22.14								
5	WQAM	12	7	22.03	22.06	22.03								
5	WQAM	12	14	22.21	22.22	22.07	23.5	2						
5	WQAM	12	21	22.07	22.07	22.23								
5	WQAM	1	0	22.03	21.98	22.00								
5	WQAM	1	14	22.09	22.14	22.26								
5	WQAM	12	0	21.21	21.21	21.30	23.5	2						
5	WQAM	12	7	21.20	21.13	21.06								
5	WQAM	12	14	21.25	21.25	21.25								
5	WQAM	25	0	21.15	21.18	21.17								
5	SSBQAM	1	0	18.41	18.42	18.35	20.5	5						
5	SSBQAM	1	12	19.27	19.36	19.10								
5	SSBQAM	12	24	19.33	19.32	19.26								
5	SSBQAM	12	30	19.27	19.27	19.15								
5	SSBQAM	12	7	19.18	19.42	19.34	20.5	5						
5	SSBQAM	12	13	19.11	19.09	19.12								
5	SSBQAM	12	19	19.11	19.11	19.11								
5	SSBQAM	12	25	19.11	19.11	19.11								

Band 38 Ant0 DSI1(only on channel required)										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.67	21.67	21.67	23	0		
20	QPSK	1	49	21.67	21.68	21.68				
20	QPSK	1	98	21.68	21.69	21.69				
20	QPSK	50	24	20.78	20.80	20.80				
20	QPSK	50	49	20.82	20.83	20.83				
20	HQAM	1	0	20.84	20.85	20.85	22	1		
20	HQAM	1	49	20.85	20.86	20.86				
20	HQAM	1	98	20.86	20.87	20.87				
20	HQAM	50	24	19.94	19.95	19.95				
20	HQAM	50	49	19.98	19.99	19.99				
20	HQAM	100	0	19.95	19.96	19.96	21	2		
20	HQAM	1	0	19.95	19.97	19.97				
20	HQAM	1	49	19.96	19.98	19.98				
20	HQAM	50	0	18.95	18.96	18.96				
20	HQAM	50	24	18.96	18.97	18.97				
20	HQAM	50	49	18.97	18.98	18.98	20	3		
20	HQAM	100	0	18.98	18.99	18.99				
20	HQAM	1	0	18.99	19.00	19.00				
20	HQAM	1	49	18.99	19.00	19.00				
20	HQAM	1	98	19.00	19.01	19.01				
20	HQAM	50	0	16.95	16.96	16.96	18	5		
20	HQAM	50	24	16.96	16.97	16.97				
20	HQAM	50	49	16.97	16.98	16.98				
20	HQAM	100	0	16.98	16.99	16.99				
20	HQAM	1	0	16.99	17.00	17.00				
20	HQAM	1	49	16.99	17.00	17.00	22	1		
20	HQAM	1	98	17.00	17.01	17.01				
20	HQAM	50	0	15.95	15.96	15.96				
20	HQAM	50	24	15.96	15.97	15.97				
20	HQAM	50	49	15.97	15.98	15.98				
20	HQAM	100	0	15.98	15.99	15.99	22	1		
20	HQAM	100	0	15.98	15.99	15.99				
20	HQAM	1	0	15.99	16.00	16.00				
20	HQAM	1	49	15.99	16.00	16.00				
20	HQAM	1	98	16.00	16.01	16.01				
20	HQAM	50	0	13.95	13.96	13.96	21	2		
20	HQAM	50	24	13.96	13.97	13.97				
20	HQAM	50	49	13.97	13.98	13.98				
20	HQAM	100	0	13.98	13.99	13.99				
20	HQAM	1	0	13.99	14.00	14.00				
20	HQAM	1	49	13.99	14.00	14.00	20	3		
20	HQAM	1	98	14.00	14.01	14.01				
20	HQAM	50	0	12.95	12.96	12.96				
20	HQAM	50	24	12.96	12.97	12.97				
20	HQAM	50	49	12.97	12.98	12.98				
20	HQAM	100	0	12.98	12.99	12.99	18	5		
20	HQAM	100	0	12.98	12.99	12.99				
20	HQAM	1	0	12.99	13.00	13.00				
20	HQAM	1	49	12.99	13.00	13.00				
20	HQAM	1	98	13.00	13.01	13.01				
20	HQAM	50	0	10.95	10.96	10.96	22	1		
20	HQAM	50	24	10.96	10.97	10.97				
20	HQAM	50	49	10.97	10.98	10.98				
20	HQAM	100	0	10.98	10.99	10.99				
20	HQAM	1	0	10.99	11.00	11.00				
20	HQAM	1	49	10.99	11.00	11.00	21	2		
20	HQAM	1	98	11.00	11.01	11.01				
20	HQAM	50	0	10.98	10.99	10.99				
20	HQAM	50	24	10.99	11.00	11.00				
20	HQAM	50	49	10.99	11.00	11.00				
20	HQAM	100	0	10.99	11.00	11.00	21	2		
20	HQAM	100	0	10.99	11.00	11.00				
20	HQAM	1	0	10.99	11.00	11.00				
20	HQAM	1	49	10.99	11.00	11.00				
20	HQAM	1	98	11.00	11.01	11.01				
20	HQAM	50	0	9.95	9.96	9.96	22	1		
20	HQAM	50	24	9.96	9.97	9.97				
20	HQAM	50	49	9.97	9.98	9.98				
20	HQAM	100	0	9.98	9.99	9.99				
20	HQAM	1	0	9.99	10.00	10.00				
20	HQAM	1	49	9.99	10.00	10.00	22	1		
20	HQAM	1	98	10.00	10.01	10.01				
20	HQAM	50	0	8.95	8.96	8.96				
20	HQAM	50	24	8.96	8.97	8.97				
20	HQAM	50	49	8.97	8.98	8.98				
20	HQAM	100	0	8.98	8.99	8.99	22	1		
20	HQAM	100	0	8.98	8.99	8.99				
20	HQAM	1	0	8.99	9.00	9.00				
20	HQAM	1	49	8.99	9.00	9.00				
20	HQAM	1	98	9.00	9.01	9.01				
20	HQAM	50	0	7.95	7.96	7.96	21	2		
20	HQAM	50	24	7.96	7.97	7.97				
20	HQAM	50	49	7.97	7.98	7.98				
20	HQAM	100	0	7.98	7.99	7.99				
20	HQAM	1	0	7.99	8.00	8.00				
20	HQAM	1	49	7.99	8.00	8.00	20	3		
20	HQAM	1	98	8.00	8.01	8.01				
20	HQAM	50	0	6.95	6.96	6.96				
20	HQAM	50	24	6.96	6.97	6.97				
20	HQAM	50	49	6.97	6.98	6.98				
20	HQAM	100	0	6.98	6.99	6.99	18	5		
20	HQAM	100	0	6.98	6.99	6.99				
20	HQAM	1	0	6.99	7.00	7.00				
20	HQAM	1	49	6.99	7.00	7.00				
20	HQAM	1	98	7.00	7.01	7.01				

Band 48 Ant0 DSH_FCC													
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 freq (MHz)	MFR (dB)				
Channel				55360	55840	56360	56840						
Frequency (MHz)				3560	3600	3640	3680						
20	QPSK	1	0	21.35	21.43	21.43	21.29	23	0				
20	QPSK	1	40	21.42	21.44	21.24	21.40						
20	QPSK	1	80	21.44	21.46	21.35	21.43						
20	QPSK	30	0	20.52	20.62	20.58	20.48						
20	QPSK	30	34	20.58	20.46	20.50	20.61	22	1				
20	QPSK	30	60	20.59	20.53	20.61	20.59						
20	QPSK	100	0	20.42	20.48	20.45	20.38						
20	16QAM	1	0	20.63	20.57	20.55	20.57						
20	16QAM	1	40	20.71	20.64	20.68	20.65	22	1				
20	16QAM	1	80	20.58	20.59	20.57	20.59						
20	16QAM	30	0	19.63	19.67	19.70	19.69						
20	16QAM	50	24	19.64	19.59	19.59	19.67						
20	16QAM	30	60	19.45	19.46	19.46	19.52	21	2				
20	16QAM	100	0	19.47	19.52	19.48	19.54						
20	64QAM	1	0	19.60	19.57	19.57	19.64						
20	64QAM	1	40	19.42	19.36	19.46	19.42						
20	64QAM	1	80	19.52	19.46	19.46	19.52	21	2				
20	64QAM	30	0	18.61	18.62	18.62	18.64						
20	64QAM	30	34	18.49	18.51	18.50	18.55						
20	64QAM	50	50	18.66	18.60	18.64	18.64						
20	64QAM	100	0	18.55	18.45	18.51	18.55	20	3				
20	256QAM	1	0	18.57	18.48	18.34	18.34						
20	256QAM	1	40	18.47	18.63	18.34	18.40						
20	256QAM	1	80	18.52	18.56	18.37	18.62						
20	256QAM	30	0	18.61	18.77	18.74	18.48	18	5				
20	256QAM	30	34	18.63	18.50	18.55	18.67						
20	256QAM	30	60	18.80	18.61	18.78	18.70						
20	256QAM	100	0	18.54	18.58	18.44	18.50						
Channel				55090	55570	56090	56570						
Frequency (MHz)				3517.5	3568	3620	3667.5						
15	QPSK	1	0	21.21	21.41	21.42	21.24	23	0				
15	QPSK	1	40	21.31	21.33	21.12	21.37						
15	QPSK	1	74	21.31	21.35	21.29	21.40						
15	QPSK	30	0	20.48	20.45	20.47	20.41						
15	QPSK	30	30	20.45	20.40	20.43	20.39	22	1				
15	QPSK	30	60	20.48	20.40	20.49	20.44						
15	QPSK	1	0	20.37	20.30	20.31	20.28						
15	16QAM	1	0	20.52	20.54	20.50	20.47						
15	16QAM	1	37	20.56	20.56	20.56	20.56	22	1				
15	16QAM	1	74	20.52	20.43	20.52	20.52						
15	16QAM	30	0	19.55	19.55	19.64	19.65						
15	16QAM	30	30	19.58	19.51	19.47	19.57						
15	16QAM	30	60	19.37	19.41	19.43	19.43	21	2				
15	16QAM	75	0	19.35	19.45	19.40	19.40						
15	64QAM	1	0	19.49	19.51	19.48	19.58						
15	64QAM	1	37	19.38	19.29	19.41	19.53						
15	64QAM	1	74	19.47	19.42	19.36	19.42	21	2				
15	64QAM	30	0	18.55	18.56	18.55	18.50						
15	64QAM	30	30	18.38	18.47	18.35	18.50						
15	64QAM	30	60	18.52	18.47	18.53	18.49						
15	64QAM	70	0	18.49	18.32	18.48	18.41	20	3				
15	256QAM	1	0	18.42	18.42	18.42	18.42						
15	256QAM	1	37	18.35	18.27	18.27	18.45						
15	256QAM	1	74	18.52	18.52	18.17	18.56						
15	256QAM	30	0	18.50	18.63	18.64	18.35	18	5				
15	256QAM	30	30	18.58	18.54	18.42	18.48						
15	256QAM	30	60	18.67	18.51	18.71	18.59						
15	256QAM	70	0	18.49	18.43	18.24	18.35						
Channel				55290	55810	56360	56880						
Frequency (MHz)				3529.5	3571	3613	3655.5						
10	QPSK	1	0	21.27	21.44	21.41	21.24	23	0				
10	QPSK	1	25	21.35	21.33	21.13	21.33						
10	QPSK	1	40	21.41	21.45	21.24	21.52						
10	QPSK	20	0	20.53	20.46	20.52	20.38						
10	QPSK	25	12	20.48	20.32	20.50	20.43	22	1				
10	QPSK	25	25	20.54	20.45	20.51	20.45						
10	QPSK	30	0	20.35	20.37	20.37	20.25						
10	16QAM	1	0	20.56	20.44	20.42	20.51						
10	16QAM	1	35	20.82	20.58	20.64	20.60	22	1				
10	16QAM	1	40	20.44	20.54	20.52	20.44						
10	16QAM	20	0	19.48	19.54	19.54	19.61						
10	16QAM	20	12	19.56	19.54	19.52	19.49						
10	16QAM	20	20	19.41	19.44	19.52	19.51	21	2				
10	16QAM	30	0	19.41	19.42	19.39	19.41						
10	64QAM	1	0	19.48	19.49	19.45	19.61						
10	64QAM	1	35	19.33	19.32	19.36	19.30						
10	64QAM	1	40	19.43	19.37	19.38	19.48	21	2				
10	64QAM	25	0	18.57	18.54	18.61	18.59						
10	64QAM	20	12	18.44	18.40	18.38	18.48						
10	64QAM	20	25	18.57	18.54	18.50	18.51						
10	64QAM	30	0	18.49	18.32	18.50	18.41	20	3				
10	256QAM	1	0	18.51	18.38	18.43	18.52						
10	256QAM	1	25	18.52	18.40	18.23	18.38						
10	256QAM	1	40	18.52	18.53	18.17	18.47						
10	256QAM	20	0	18.47	18.50	18.75	18.49	18	5				
10	256QAM	20	12	18.64	18.57	18.57	18.64						
10	256QAM	25	25	18.56	18.47	18.74	18.68						
10	256QAM	30	0	18.43	18.58	18.32	18.59						
Channel				55290	5571	5613	5655.5						
Frequency (MHz)				3529.5	3567	3603	3641.5						
5	QPSK	1	0	21.22	21.38	21.41	21.15	23	0				
5	QPSK	1	12	21.52	21.50	21.11	21.28						
5	QPSK	1	24	21.37	21.30	21.22	21.50						
5	QPSK	12	0	20.55	20.39	20.45	20.20						
5	QPSK	12	7	20.42	20.43	20.38	20.45	22	1				
5	QPSK	12	13	20.54	20.49	20.51	20.50						
5	QPSK	20	0	20.42	20.34	20.34	20.34						
5	16QAM	1	0	20.85	20.46	20.48	20.47						
5	16QAM	1	12	20.64	20.50	20.64	20.52	22	1				
5	16QAM	1	24	20.53	20.48	20.46	20.49						
5	16QAM	12	0	19.51	19.54	19.60	19.59						
5	16QAM	12	7	19.61	19.55	19.45	19.60						
5	16QAM	12	13	19.40	19.45	19.38	19.52	21	2				
5	16QAM	20	0	19.38	19.44	19.39	19.45						
5	64QAM	1	0	19.48	19.46	19.53	19.61	21	2				
5	64QAM	1	12	19.31	19.30	19.39	19.33						
5	64QAM	1	24	19.47	19.33	19.33	19.43	21	2				
5	64QAM	12	0	18.54	18.50	18.59	18.53						
5	64QAM	12	7	18.35	18.48	18.39	18.50	20	3				
5	64QAM	12	13	18.57	18.57	18.39	18.53						
5	64QAM	20	0	18.45	18.42	18.44	18.45	20	3				
5	64QAM	20	12	18.62	18.48	18.66	18.51						
5	64QAM	1	12	18.29	18.60	18.33	18.46	18	5				
5	256QAM	1	0	18.41	18.56	18.35	18.57						
5	256QAM	1	12	18.50	18.73	18.27	18.56	18	5				
5	256QAM	1	24	18.61	18.61	18.51	18.62						
5	256QAM	12	7	18.63	18.51	18.62	18.61						
5	256QAM	12	13	18.63	18.51	18.62	18.61						

GBR500 Airt DB1						
Channel	Power Average Power (dBm)			Power Average Power (dBm)		
TV Channel	100	100	85.1	Limit	100	100
Frequency (MHz)	25.4	33.14	34.18	Limit	25.4	34.18
GBR1 1 Tx airt	25.4	30.58	30.76	30.00	21.04	21.06
GBR1 1 Tx airt	30.54	30.81	30.53	32.00	21.04	21.81
GBR1 3 Tx airt	27.89	27.04	27.87	29.00	21.06	21.87
GBR1 3 Tx airt	28.53	28.00	28.97	27.00	22.07	21.74
EDGE 1 1 Tx airt	28.88	24.58	24.89	28.00	21.83	21.89
EDGE 1 1 Tx airt	28.72	28.00	28.04	28.00	17.72	17.80
EDGE 2 1 Tx airt	23.80	24.00	23.71	25.00	17.90	18.03
EDGE 3 1 Tx airt	22.33	22.31	22.05	23.00	18.07	17.76
EDGE 4 1 Tx airt	20.86	21.04	20.76	22.00	17.98	18.04

WCDMA V Airt DB1				
Band	WCDMA V			Limit
TV Channel	41.92	41.92	42.03	42.03
TV Channel	44.97	44.97	44.95	44.95
Frequency (MHz)	25.4	33.14	34.18	34.18
SCPP Rel 00	Rel 12.0000	20.50	20.54	21.50
SCPP Rel 00	Rel 12.0000	20.48	20.57	20.48
SCPP Rel 01	HSDPA Subcar-1	18.54	18.78	18.75
SCPP Rel 01	HSDPA Subcar-2	18.89	18.79	18.82
SCPP Rel 01	HSDPA Subcar-3	18.26	18.79	18.65
SCPP Rel 01	HSDPA Subcar-4	18.95	18.43	18.45
SCPP Rel 01	DC-HSDPA Subcar-1	18.75	18.85	18.88
SCPP Rel 01	DC-HSDPA Subcar-2	18.75	18.85	18.85
SCPP Rel 01	DC-HSDPA Subcar-3	18.25	18.04	18.14
SCPP Rel 01	DC-HSDPA Subcar-4	18.31	18.38	18.05
SCPP Rel 01	HSPA Subcar-1	18.78	18.74	18.58
SCPP Rel 01	HSPA Subcar-2	17.82	17.82	18.00
SCPP Rel 01	HSPA Subcar-3	18.82	18.85	18.82
SCPP Rel 01	HSPA Subcar-4	17.85	17.87	18.30
SCPP Rel 01	HSPA Subcar-5	18.87	18.58	18.76

Band 5 Ant1 DSI1															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up [mW]	APR [dB]							
Channel															
Frequency [MHz]															
20450 20455 20460															
10	QPSK	1	0	18.96	18.97	18.98	20.5	0							
10	QPSK	1	25	18.95	18.94	18.93									
10	QPSK	1	40	19.00	19.20	18.98									
10	QPSK	16	0	18.96	18.97	18.94									
10	QPSK	25	12	18.85	18.09	18.86	20.5	0							
10	QPSK	25	25	18.88	19.05	18.83									
10	QPSK	25	0	18.87	19.01	19.08									
10	HQAM	1	0	18.73	18.08	18.87									
10	HQAM	1	25	18.86	18.17	18.76	20.5	0							
10	HQAM	1	40	18.96	19.21	19.08									
10	HQAM	25	0	18.71	18.02	18.73									
10	HQAM	25	12	18.86	18.09	18.85									
10	HQAM	25	25	19.08	19.11	18.18	20.5	0							
10	HQAM	50	0	18.79	18.84	18.85									
10	HQAM	1	0	18.86	18.01	18.85									
10	HQAM	1	25	19.05	19.22	19.10		20.5	0						
10	HQAM	1	40	18.82	18.87	18.82									
10	HQAM	25	0	18.86	18.08	18.75									
10	HQAM	25	12	19.04	18.14	18.17		20.5	0						
10	HQAM	25	25	18.88	19.01	18.73									
10	HQAM	50	0	18.90	19.09	18.79									
10	ZPSKQAM	1	0	18.99	18.08	18.10	20.5	0							
10	ZPSKQAM	1	25	18.88	18.96	18.92									
10	ZPSKQAM	1	40	18.85	19.07	18.85									
10	ZPSKQAM	25	0	19.18	19.07	19.14									
10	ZPSKQAM	25	12	18.87	18.08	18.87	20.5	0							
10	ZPSKQAM	25	25	19.81	18.90	18.84									
10	ZPSKQAM	50	0	18.85	18.08	18.77									
Channel															
Frequency [MHz]															
20465 20470 20475															
5	QPSK	1	0	19.08	19.17	18.97	20.5	0							
5	QPSK	1	19	18.74	19.02	18.74									
5	QPSK	1	24	18.95	19.17	18.84									
5	QPSK	12	0	18.87	18.89	18.87									
5	QPSK	12	7	18.74	18.85	18.81	20.5	0							
5	QPSK	12	13	18.83	18.89	18.72									
5	QPSK	25	0	18.91	19.07	18.97									
5	HQAM	1	0	18.87	18.89	18.87									
5	HQAM	1	12	18.95	19.03	18.73	20.5	0							
5	HQAM	1	24	18.95	19.09	18.85									
5	HQAM	12	0	18.96	18.84	18.87									
5	HQAM	12	7	18.88	19.14	18.79		20.5	0						
5	HQAM	13	0	18.95	18.84	18.85									
5	HQAM	25	0	18.86	18.78	18.85									
5	HQAM	1	0	18.82	19.01	18.78		20.5	0						
5	HQAM	1	12	18.95	19.07	18.75									
5	HQAM	1	24	19.01	19.08	18.83									
5	HQAM	12	0	18.74	18.83	18.87		20.5	0						
5	HQAM	12	7	18.87	18.89	18.87									
5	HQAM	12	13	18.85	18.94	18.81									
5	HQAM	25	0	18.90	19.03	18.90		20.5	0						
5	ZPSKQAM	1	0	18.79	18.85	18.81									
5	ZPSKQAM	1	12	18.89	18.15	18.93									
5	ZPSKQAM	1	24	18.96	19.08	18.85		20.5	0						
5	ZPSKQAM	12	0	19.13	19.09	18.95									
5	ZPSKQAM	12	7	18.91	18.90	18.80									
5	ZPSKQAM	13	0	18.87	18.88	18.75		20.5	0						
5	ZPSKQAM	25	0	18.91	18.88	18.88									
Channel															
Frequency [MHz]															
20485 20490 20495															
3	QPSK	1	0	19.05	19.15	19.07	20.5	0							
3	QPSK	1	8	18.74	18.94	18.83									
3	QPSK	1	14	18.85	19.07	18.97									
3	QPSK	8	0	18.88	18.84	19.03		20.5	0						
3	QPSK	8	4	18.82	18.85	18.74									
3	QPSK	8	7	18.74	18.79	18.81									
3	QPSK	16	0	18.80	19.10	19.05		20.5	0						
3	HQAM	1	0	18.72	18.96	18.82									
3	HQAM	1	8	18.85	18.81	18.87									
3	HQAM	1	14	18.85	18.91	18.90		20.5	0						
3	HQAM	8	0	18.81	18.88	18.75									
3	HQAM	8	4	18.79	19.01	18.90									
3	HQAM	8	7	19.05	18.87	18.91		20.5	0						
3	HQAM	16	0	18.88	18.71	18.72									
3	HQAM	1	0	18.80	19.18	18.81									
3	HQAM	1	8	18.91	19.01	19.03		20.5	0						
3	HQAM	1	14	18.72	18.88	18.80									
3	HQAM	8	0	18.73	19.04	18.89									
3	HQAM	8	4	19.05	19.06	18.81		20.5	0						
3	HQAM	8	7	18.85	18.81	18.81									
3	HQAM	16	0	18.92	18.91	18.77									
3	ZPSKQAM	1	0	18.78	18.96	18.85	20.5	0							
3	ZPSKQAM	1	8	19.04	19.09	18.93									
3	ZPSKQAM	1	14	18.84	18.98	18.88									
3	ZPSKQAM	8	0	19.00	19.06	18.95		20.5	0						
3	ZPSKQAM	8	4	18.91	18.90	19.02									
3	ZPSKQAM	8	7	18.72	18.80	18.75									
3	ZPSKQAM	16	0	18.87	19.02	18.96		20.5	0						
3	HQAM	3	0	18.88	18.91	18.87									
3	HQAM	3	1	18.84	18.90	18.90									
3	HQAM	3	3	18.88	19.08	19.14		20.5	0						
3	HQAM	6	0	18.82	18.75	18.84									
3	HQAM	6	3	18.85	18.88	18.72									
3	HQAM	1	3	18.98	19.17	18.89		20.5	0						
3	HQAM	1	6	19.05	18.96	18.92									
3	HQAM	3	0	18.77	18.79	18.75									
3	HQAM	3	1	18.87	19.11	19.05		20.5	0						
3	HQAM	6	3	18.88	18.96	18.85									
3	HQAM	6	6	18.85	18.82	18.85									
3	ZPSKQAM	1	0	18.72	19.08	18.74		20.5	0						
3	ZPSKQAM	3	0	18.95	19.01	18.78									
3	ZPSKQAM	1	5	18.85	18.80	18.85									
3	ZPSKQAM	3	0	19.08	19.08	19.08		20.5	0						
3	ZPSKQAM	3	1	18.88	19.04	18.82									
3	ZPSKQAM	3	3	18.77	18.69	18.74									
3	ZPSKQAM	6	0	18.88	19.04	18.70		20.5	0						
Channel															
Frequency [MHz]															
20505 20510 20515															
1.4	QPSK	1	0	19.03	19.05	19.14	20.5	0							
1.4	QPSK	1	3	18.88	18.87	18.94									
1.4	QPSK	1	5	18.85	19.10	18.75									
1.4	QPSK	3	0	18.95	19.05	19.01	20.5	0							
1.4	QPSK	3	1	18.85	18.88	18.77									
1.4	QPSK	3	3	18.85	18.88	18.77									
1.4	QPSK	6	0	19.02	19.15	19.07	20.5	0							
1.4	HQAM	1	0	18.74	18.08	18.83									
1.4	HQAM	1	3	18.85	18.99	18.89									
1.4	HQAM	1	5	18.93	19.03	18.95	20.5	0							
1.4	HQAM	3	0	18.88	18.81	18.87									
1.4	HQAM	3	1	18.88	18.90	18.90									
1.4	HQAM	3	3	18.88	19.08	19.14	20.5	0							
1.4	HQAM	6	0	18.82	18.75	18.84									
1.4	HQAM	6	1	18.85	18.88	18.72									
1.4	HQAM	1	3	18.98	19.17	18.89	20.5	0							
1.4	HQAM	1	6	19.05	18.96	18.92									
1.4	HQAM	3	0	18.77	18.79	18.75									
1.4	HQAM	3	1	18.87	19.11	19.05	20.5	0							
1.4	HQAM	6	3	18.88	18.96	18.85									
1.4	HQAM	6	6	18.85	18.82	18.85									
1.4	ZPSKQAM	1	0	18.72	19.08	18.74	20.5	0							
1.4	ZPSKQAM	3	0	18.95	19.01	18.78									
1.4	ZPSKQAM	1	5	18.85	18.80	18.85									
1.4	ZPSKQAM	3	0	19.08	19.08	19.08	20.5	0							
1.4	ZPSKQAM	3	1	18.88	19.04	18.82									
1.4	ZPSKQAM	3	3	18.77	18.69	18.74									
1.4	ZPSKQAM	6	0	18.88	19.04	18.70	20.5	0							
Channel															
Frequency [MHz]															
20525 20530 20535															
1.4	QPSK	1	0	19.03	19.04	19.10	20.5	0							
1.4	QPSK	1	3	18.77	18.69	18.74									
1.4	QPSK	1	5	18.85	18.99	18.85									

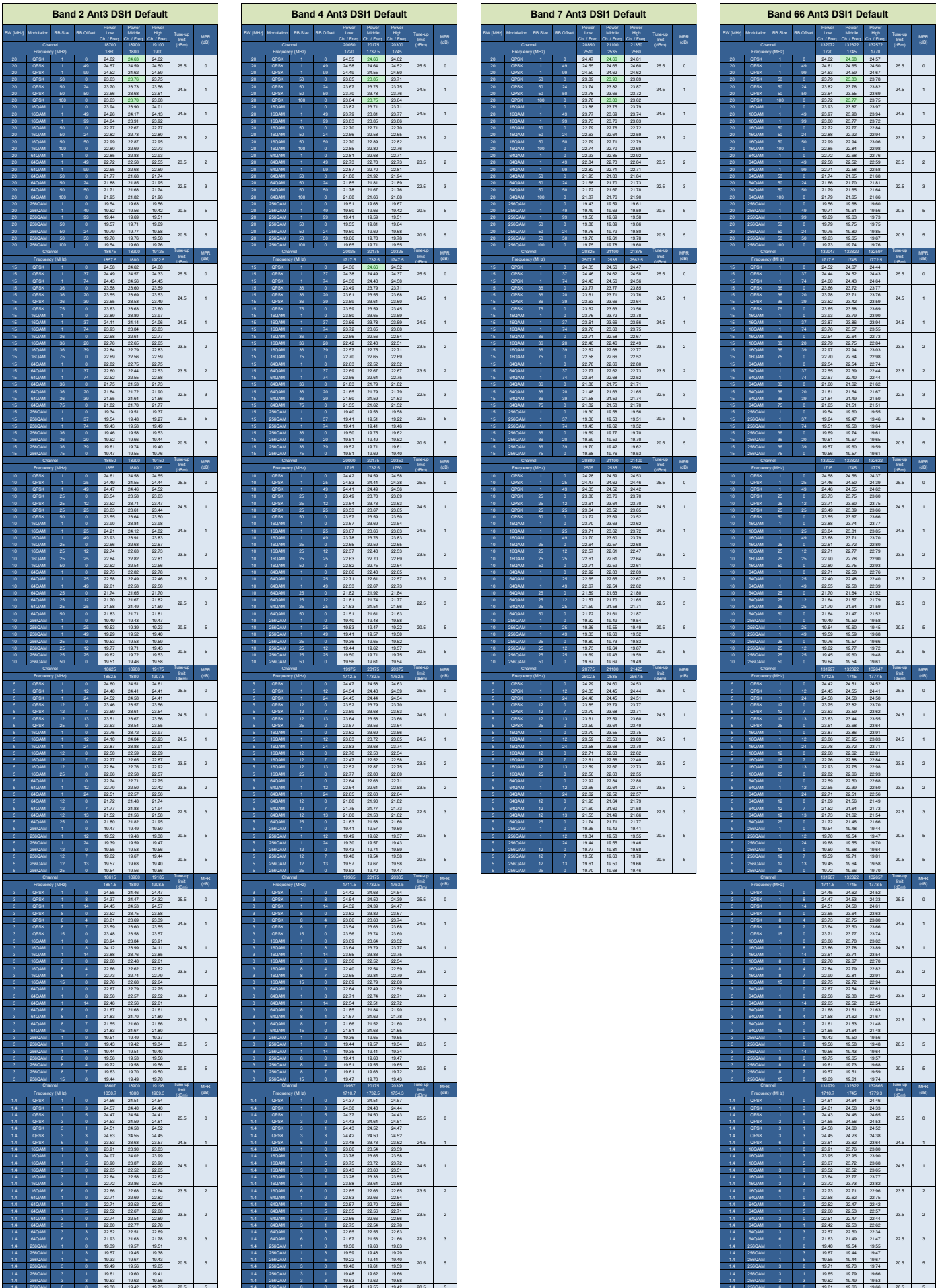
Band 17 Ant1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up (ms)	MPR (dB)	
Channel				700	710	721			
Frequency (MHz)									
10	QPSK	1	0	21.23	21.30	21.17	22.5	0	
10	QPSK	1	25	21.23	21.30	21.17			
10	QPSK	1	49	20.97	21.05	21.21			
10	QPSK	25	0	21.02	21.10	21.08	22.5	0	
10	QPSK	25	12	20.86	21.11	21.03			
10	QPSK	25	25	20.88	20.94	21.15			
10	QPSK	50	0	21.17	21.08	21.12	22.5	0	
10	16QAM	1	0	21.01	21.19	21.10			
10	16QAM	1	25	20.76	21.16	20.94			
10	16QAM	1	49	20.92	20.94	21.00	22.5	0	
10	16QAM	25	0	20.87	21.15	20.94			
10	16QAM	25	12	20.97	21.02	21.00			
10	16QAM	25	25	21.22	21.19	21.08	22.5	0	
10	16QAM	50	0	21.07	21.26	21.08			
10	16QAM	1	0	20.77	21.21	21.06	22.5	0	
10	16QAM	1	25	20.94	20.98	21.07			
10	16QAM	1	49	20.76	21.15	21.12			
10	16QAM	25	0	21.01	21.20	20.90	22.5	0	
10	16QAM	25	12	20.86	21.20	21.02			
10	16QAM	25	25	20.94	20.87	21.07			
10	16QAM	50	0	20.79	20.93	21.17	20.5	2	
10	256QAM	1	0	19.25	19.41	19.13			
10	256QAM	1	25	18.86	19.42	19.19			
10	256QAM	1	49	19.02	19.38	19.35	20.5	2	
10	256QAM	25	0	19.20	19.38	19.05			
10	256QAM	25	12	18.91	19.36	19.14			
10	256QAM	25	25	18.95	19.08	19.27	20.5	2	
10	256QAM	50	0	19.07	19.01	19.32			
Channel				700.5	710	710.5			
Frequency (MHz)									
5	QPSK	1	0	21.08	21.23	21.19	22.5	0	
5	QPSK	1	19	20.90	21.30	21.18			
5	QPSK	1	24	20.92	20.95	21.20			
5	QPSK	12	0	20.94	21.11	20.89	22.5	0	
5	QPSK	12	7	20.88	21.06	20.94			
5	QPSK	12	13	20.71	20.92	21.03			
5	QPSK	25	0	21.11	21.28	20.91	22.5	0	
5	16QAM	1	0	21.02	21.29	21.01			
5	16QAM	1	12	20.95	21.20	20.97			
5	16QAM	1	24	20.94	20.96	21.19	22.5	0	
5	16QAM	12	0	20.89	20.97	20.76			
5	16QAM	12	7	20.94	20.99	20.80			
5	16QAM	12	13	21.20	21.24	20.90	22.5	0	
5	16QAM	25	0	20.93	21.18	20.89			
5	16QAM	1	0	20.73	21.22	20.90			
5	16QAM	1	12	20.90	20.87	20.93	22.5	0	
5	16QAM	1	24	20.76	20.99	21.07			
5	16QAM	12	0	21.01	21.27	21.17			
5	16QAM	12	7	20.93	21.25	21.10	22.5	0	
5	16QAM	12	13	20.97	20.94	21.00			
5	16QAM	20	0	20.71	20.76	20.16			
5	256QAM	1	0	19.07	19.20	19.08	20.5	2	
5	256QAM	1	12	18.93	19.21	19.17			
5	256QAM	1	24	18.98	19.79	19.21			
5	256QAM	12	0	19.09	19.21	19.05	20.5	2	
5	256QAM	12	13	18.97	19.21	18.92			
5	256QAM	12	19	18.90	19.07	19.13			
5	256QAM	25	0	18.90	18.98	19.25			

Band 26 Ant1 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up (ms)	MPR (dB)		
Channel				811.5	811.5	841.5				
15	QPSK	1	0	21.25	21.33	21.25	22.5	0		
15	QPSK	1	37	21.02	21.09	20.92				
15	QPSK	1	74	21.04	21.07	21.21				
15	QPSK	36	0	21.12	21.20	21.11	22.5	0		
15	QPSK	36	20	20.98	21.09	20.89				
15	QPSK	36	36	20.91	20.98	21.18				
15	QPSK	70	0	21.24	21.22	21.22	22.5	0		
15	16QAM	1	0	20.90	21.05	20.89				
15	16QAM	1	37	20.88	20.88	21.04	22.5	0		
15	16QAM	1	74	21.24	21.20	21.17				
15	16QAM	36	0	20.93	21.23	20.89	22.5	0		
15	16QAM	36	20	21.06	21.05	21.11				
15	16QAM	36	36	21.08	21.24	21.17				
15	16QAM	70	0	21.00	21.03	20.88	22.5	0		
15	16QAM	1	0	20.84	21.02	20.15				
15	16QAM	1	37	21.20	21.19	21.15				
15	16QAM	1	74	20.87	21.19	20.90	22.5	0		
15	16QAM	36	0	21.23	20.73	20.25				
15	16QAM	36	20	20.84	21.08	20.89				
15	16QAM	36	36	20.89	21.03	21.00	22.5	0		
15	256QAM	1	0	19.28	19.38	19.34				
15	256QAM	1	37	19.22	19.22	19.28				
15	256QAM	1	74	19.90	19.30	19.04	20.5	2		
15	256QAM	36	0	19.11	19.08	19.27				
15	256QAM	36	20	19.34	19.24	19.17				
15	256QAM	36	36	19.10	19.12	19.04				
15	256QAM	70	0	19.12	19.19	19.14				
Channel				811.5	811.5	844	Time-up (ms)	MPR (dB)		
10	QPSK	1	0	21.19	21.21	21.19	22.5	0		
10	QPSK	1	38	21.06	21.03	20.78				
10	QPSK	1	49	20.82	20.95	21.07				
10	QPSK	20	0	21.09	21.17	20.90	22.5	0		
10	QPSK	20	10	20.92	20.91	20.74				
10	QPSK	20	20	20.79	20.90	21.11				
10	QPSK	50	0	21.06	21.21	21.04	22.5	0		
10	16QAM	1	0	20.99	20.97	20.87				
10	16QAM	1	25	20.71	20.69	21.01				
10	16QAM	1	49	21.14	21.17	21.13	22.5	0		
10	16QAM	25	0	20.87	21.20	20.84				
10	16QAM	25	12	20.91	20.94	20.93				
10	16QAM	25	25	20.86	21.24	21.00	22.5	0		
10	16QAM	50	0	20.96	20.71	21.06				
10	16QAM	1	0	20.80	21.02	21.14				
10	16QAM	1	25	21.10	21.14	20.91	22.5	0		
10	16QAM	1	49	20.68	21.11	20.89				
10	16QAM	25	0	21.11	21.15	21.11				
10	16QAM	25	12	20.81	20.94	20.96	22.5	0		
10	16QAM	25	25	20.68	20.95	20.95				
10	16QAM	50	0	20.91	20.71	21.06				
10	256QAM	1	0	19.15	19.16	19.14	20.5	2		
10	256QAM	1	25	19.18	19.16	19.09				
10	256QAM	1	49	19.00	19.20	19.14				
10	256QAM	25	0	19.13	19.05	19.25	20.5	2		
10	256QAM	25	12	19.28	19.19	19.00				
10	256QAM	25	25	19.04	19.04	19.00				
10	256QAM	50	0	19.02	19.08	19.02				
Channel				20715	20715	20715	Time-up (ms)	MPR (dB)		
Frequency (MHz)	841.5	841.5	846.5							
5	QPSK	1	0	21.13	21.14	21.08	22.5	0		
5	QPSK	1	12	20.85	21.21	20.93				
5	QPSK	1	14	20.93	21.08	21.15				
5	QPSK	12	0	21.06	21.10	20.89	22.5	0		
5	QPSK	12	7	20.98	20.96	20.75				
5	QPSK	12	14	20.72	20.78	21.01				
5	QPSK	20	0	21.14	21.		22.5	0		
5	16QAM	1	0	20.82	20.84	20.86				
5	16QAM	1	12	20.89	20.89	20.73				
5	16QAM	1	24	21.19	21.12	21.27	22.5	0		
5	16QAM	12	0	20.93	21.05	20.93				
5	16QAM	12	7	20.84	20.91	20.87				
5	16QAM	12	14	20.68	20.78	20.99	22.5	0		
5	16QAM	20	0	20.95	21.03	20.83				
5	16QAM	20	7	20.71	20.78	21.01				
5	16QAM	20	14	20.55	20.72	20.97	22.5	0		
5	16QAM	50	0	20.85	20.72	20.97				
5	256QAM	1	0	19.06	19.24	19.00				
5	256QAM	1	12	18.91	19.03	18.92	20.5	2		
5	256QAM	1	24	18.81	19.11	19.00				
5	256QAM	12	0	18.91	19.03	19.12				
5	256QAM	12	7	18.84	19.02	19.09	20.5	2		
5	256QAM	12	14	18.69	19.00	18.90				
5	256QAM	20	0	18.99	19.09	18.99				
5	256QAM	20	7	18.90	19.00	18.90				
Channel				20715	20715	20715	Time-up (ms)	MPR (dB)		
Frequency (MHz)	841.5	841.5	846.5							
1.4	QPSK	1	0	21.20	21.19	21.20	22.5	0		
1.4	QPSK	1	37	20.95	21.12	20.84				
1.4	QPSK	1	74	20.87	20.93	21.08				
1.4	QPSK	8	0	21.00	21.00	21.01	22.5	0		
1.4	QPSK	8	20	20.80	20.94	20.81				
1.4	QPSK	8	37	20.70	20.96	21.04				
1.4	QPSK	16	0	21.18	21.18	21.18	22.5	0		
1.4	16QAM	1	0	20.99	20.92	20.72				
1.4	16QAM	1	8	20.86	20.88	21.03				
1.4	16QAM	1	16	20.71	21.03	20.81	22.5	0		
1.4	16QAM	8	0	20.79	21.04	20.69				
1.4	16QAM	8	8	21.00	20.91	20.96				
1.4	16QAM	16	0	20.71	21.03	20.81	22.5	0		
1.4	16QAM	16	8	20.86	20.82	20.81				
1.4	16QAM	32	0	20.72	20.93	21.09				
1.4	16QAM	32	8	21.21	20.94	21.13	22.5	0		
1.4	16QAM	32	16	20.78	21.04	20.72				
1.4	16QAM	64	0	21.18	21.18	21.18				
1.4	16QAM	8	0	20.70	20.94	20.73	22.5	0		
1.4	16QAM	8	8	20.91	20.85	20.85				
1.4	16QAM	8	16	20.82	20.90	20.90				
1.4	16QAM	16	0	19.10	19.00	19.22	20.5	2		
1.4	16QAM	16	8	19.04	19.23	19.15				
1.4	16QAM	16	16	18.95	19.23	19.15				
1.4	16QAM	32	0	18.91	19.06	19.10	20.5	2		
1.4	16QAM	32	8	18.94	19.20	19.10				
1.4	16QAM	32	16	18.84	19.20	19.10				
1.4	16QAM	64	0	19.07	19.19	19.14				
Channel				844.7 <th>841.5<th>846.3<td>Time-up (ms)</td><td colspan="2">MPR (dB)</td></th></th>	841.5 <th>846.3<td>Time-up (ms)</td><td colspan="2">MPR (dB)</td></th>	846.3 <td>Time-up (ms)</td> <td colspan="2">MPR (dB)</td>	Time-up (ms)	MPR (dB)		
1.4	QPSK	1	0	21.14	21.20	21.21	22.5	0		
1.4	QPSK	1	37	20.93	21.17	20.81				
1.4	QPSK	1	74	20.85	20.88	21.17				
1.4	QPSK	8	0	21.07	21.05	20.94	22.5	0		
1.4	QPSK	8	20	20.87	20.93	20.81				
1.4	QPSK	8	37	20.80	20.94	21.05				
1.4	QPSK	16	0	21.21	21.20	21.21	22.5	0		
1.4	16QAM	1	0	20.92	21.03	20.81				
1.4	16QAM	1	8	20.85	20.75	20.88				
1.4	16QAM	1	16	21.06	21.19	21.12	22.5	0		
1.4	16QAM	8	0	20.86	20.97	20.15				
1.4	16QAM	8	8	20.98	21.12	21.12				
1.4	16QAM	16	0	20.79	20.86	20.81	22.5	0		
1.4	16QAM	16	8	20.66	20.86	21.15				
1.4	16QAM	32	0	21.06	21.13	20.99				
1.4	16QAM	32	8	21.21	21.15	21.18	22.5	0		
1.4	16QAM	32	16	21.21	21.00	21.14				
1.4	16QAM	64	0	21.03	20.93	20.93				
1.4	16QAM	8	0	20.79	21.01	20.80	22.5	0		
1.4	16QAM	8	8	20.86	20.69	21.06				
1.4	16QAM	8	16	20.80	20.79	20.80				
1.4	16QAM	16	0	19.05	19.13	19.10	20.5	2		
1.4	16QAM	16	8	19.00	19.17	19.00				
1.4	16QAM	16	16	19.07	19.02	19.17				
1.4	16QAM	32	0	19.22	19.08	19.07	20.5	2		
1.4	16QAM	32	8	19.07	19.02	19.07				
1.4	16QAM	32	16	19.07	19.07	19.06				

GSM1900 Anti DSI1 Default						
GSM1900	Power Average Power (dBm)			Power Average Power (dBm)		
	TX Channel	812	868	TX Channel	812	868
Frequency (MHz)	812	868	812	812	868	812
EDGE 1 Tx limit	29.74	30.00	30.20	31.00	30.74	31.00
EDGE 1 Tx limit	29.73	30.00	30.01	31.00	30.73	31.00
EDGE 2 Tx limit	28.50	28.75	29.00	30.00	29.75	30.00
EDGE 3 Tx limit	24.82	25.03	25.00	26.00	25.77	25.74
EDGE 4 Tx limit	23.78	23.88	23.88	25.78	25.88	25.88
EDGE 1 Tx limit	25.80	25.87	25.88	27.00	26.87	26.88
EDGE 2 Tx limit	22.72	22.84	22.83	24.00	23.72	23.83
EDGE 3 Tx limit	20.97	20.99	20.91	22.00	21.89	21.84
EDGE 4 Tx limit	19.71	19.80	19.81	21.00	20.71	20.81

WCDMA 1X Anti DSI1 Default				
Band	WCDMA 1X			WCDMA 1X
	TX Channel	8650	8650	TX Channel
Frequency (MHz)	8650	8650	8650	8650
SCPP Rel 03	24.43	24.46	24.41	25.50
SCPP Rel 03	24.40	24.47	24.43	25.50
SCPP Rel 03	23.70	23.70	23.70	24.50
SCPP Rel 03	23.25	23.29	23.28	24.50
SCPP Rel 03	22.44	22.47	22.46	24.50
SCPP Rel 03	22.85	22.88	22.82	24.50
SCPP Rel 03	23.37	23.30	23.31	24.50
SCPP Rel 03	23.25	23.37	23.41	24.50
SCPP Rel 03	22.81	22.75	22.81	24.50
SCPP Rel 03	22.80	22.87	22.78	24.50
SCPP Rel 03	22.88	22.87	22.89	24.50
SCPP Rel 03	23.00	23.00	23.00	25.50
SCPP Rel 03	21.88	21.95	21.83	23.50
SCPP Rel 03	21.80	21.88	21.81	23.50
SCPP Rel 03	22.80	22.80	22.80	24.50

WCDMA 1X Anti DSI1 Default				
Band	WCDMA 1X			WCDMA 1X
	TX Channel	8650	8650	TX Channel
Frequency (MHz)	8650	8650	8650	8650
SCPP Rel 03	24.43	24.46	24.41	25.50
SCPP Rel 03	24.40	24.47	24.43	25.50
SCPP Rel 03	23.70	23.70	23.70	24.50
SCPP Rel 03	23.25	23.29	23.28	24.50
SCPP Rel 03	22.44	22.47	22.46	24.50
SCPP Rel 03	22.85	22.88	22.82	24.50
SCPP Rel 03	23.37	23.30	23.31	24.50
SCPP Rel 03	23.25	23.37	23.41	24.50
SCPP Rel 03	22.81	22.75	22.81	24.50
SCPP Rel 03	22.80	22.87	22.78	24.50
SCPP Rel 03	22.88	22.87	22.89	24.50
SCPP Rel 03	23.00	23.00	23.00	25.50
SCPP Rel 03	21.88	21.95	21.83	23.50
SCPP Rel 03	21.80	21.88	21.81	23.50
SCPP Rel 03	22.80	22.80	22.80	24.50



Band 38 Ant3 DS11 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up freq (MHz)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	24.11	24.20	24.50	25.5	0		
20	QPSK	1	49	24.00	24.08	24.14				
20	QPSK	1	99	24.00	24.13	24.00				
20	QPSK	50	0	23.19	23.26	23.60	24.5	1		
20	QPSK	50	24	23.19	23.17	23.20				
20	QPSK	50	50	23.17	23.23	23.10				
20	QPSK	100	0	23.19	23.26	23.10	24.5	1		
20	HQAM	1	0	23.19	23.05	23.00				
20	HQAM	1	49	23.38	23.31	23.30				
20	HQAM	1	99	23.27	23.12	23.15	23.5	2		
20	HQAM	50	0	22.25	22.19	22.15				
20	HQAM	50	24	22.33	22.24	22.20				
20	HQAM	100	0	22.31	22.23	22.21	23.5	2		
20	HQAM	1	0	22.29	22.19	22.24				
20	HQAM	1	49	22.30	22.32	22.47				
20	HQAM	1	99	22.46	22.38	22.42	22.5	3		
20	HQAM	50	0	21.21	21.24	21.40				
20	HQAM	50	24	21.21	21.27	21.23				
20	HQAM	100	0	21.26	21.28	21.37	20.5	5		
20	SSQAM	1	0	19.08	19.22	19.08				
20	SSQAM	1	49	19.05	19.07	19.20				
20	SSQAM	1	99	19.07	19.08	19.07	20.5	5		
20	SSQAM	50	0	19.23	19.18	19.10				
20	SSQAM	50	24	19.23	19.14	19.10				
20	SSQAM	50	50	19.25	19.14	19.25	20.5	5		
20	SSQAM	100	0	19.18	19.27	19.14				
Channel				2577.8	2595	2612.8	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	24.00	24.07	23.98	25.5	0		
15	QPSK	1	37	23.98	24.01	24.00				
15	QPSK	1	74	23.94	24.07	23.89				
15	QPSK	36	0	23.10	23.15	23.10	24.5	1		
15	QPSK	36	20	23.10	23.10	23.12				
15	QPSK	36	39	23.31	23.11	23.06				
15	QPSK	1	0	23.33	23.14	23.21	24.5	1		
15	HQAM	1	0	23.08	22.97	22.92				
15	HQAM	1	37	23.16	23.14	23.10				
15	HQAM	1	74	23.18	23.09	23.07	23.5	2		
15	HQAM	36	0	22.11	22.08	22.00				
15	HQAM	36	0	22.36	22.12	22.17				
15	HQAM	36	39	22.20	22.19	22.18	23.5	2		
15	HQAM	75	0	22.20	22.19	22.11				
15	HQAM	1	0	22.24	22.09	22.16				
15	HQAM	1	37	22.22	22.19	22.30	23.5	2		
15	HQAM	1	37	22.26	22.15	22.15				
15	HQAM	36	0	21.34	21.21	21.38				
15	HQAM	36	20	21.23	21.23	21.20	22.5	3		
15	HQAM	36	39	21.16	21.09	21.00				
15	HQAM	75	0	21.28	21.24	21.24				
15	SSQAM	1	0	19.08	19.08	19.10	20.5	5		
15	SSQAM	1	37	19.02	19.08	19.15				
15	SSQAM	1	74	19.03	19.09	19.01				
15	SSQAM	36	0	19.31	19.07	19.00	20.5	5		
15	SSQAM	36	20	19.08	19.22	19.00				
15	SSQAM	36	39	19.11	19.13	19.17				
15	SSQAM	75	0	19.08	19.25	19.12	20.5	5		
Channel				37600	38000	38000	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	24.02	24.08	23.90	25.5	0		
10	QPSK	1	25	23.89	23.97	24.08				
10	QPSK	1	49	24.00	23.99	23.99				
10	QPSK	25	0	23.92	23.17	23.24	24.5	1		
10	QPSK	25	12	23.94	23.02	23.11				
10	QPSK	25	25	23.90	23.17	23.00				
10	QPSK	50	0	23.33	23.22	23.20	24.5	1		
10	HQAM	1	0	23.00	22.93	22.90				
10	HQAM	1	25	23.26	23.27	23.30				
10	HQAM	1	49	23.08	23.04	23.10	23.5	2		
10	HQAM	25	0	22.14	22.12	22.00				
10	HQAM	25	12	22.30	22.13	22.12				
10	HQAM	50	0	22.23	22.19	22.15	23.5	2		
10	HQAM	50	25	22.26	22.15	22.11				
10	HQAM	1	0	22.28	22.13	22.13				
10	HQAM	1	49	22.36	22.26	22.38	22.5	3		
10	HQAM	25	0	21.31	21.20	21.31				
10	HQAM	25	12	21.19	21.20	21.19				
10	HQAM	50	0	21.26	21.26	21.26	20.5	5		
10	SSQAM	1	0	19.09	19.08	19.07				
10	SSQAM	1	25	19.05	19.03	19.02				
10	SSQAM	1	49	19.03	19.00	19.00	20.5	5		
10	SSQAM	25	0	19.12	19.10	19.09				
10	SSQAM	25	12	19.09	19.08	19.04				
10	SSQAM	25	25	19.25	19.05	19.21	20.5	5		
10	SSQAM	50	0	19.07	19.15	19.09				
Channel				26912.8	2695	26977.8	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	24.01	24.10	23.93	25.5	0		
5	QPSK	1	12	23.97	23.94	24.00				
5	QPSK	1	24	24.00	23.99	23.90				
5	QPSK	12	0	23.97	23.17	23.20	24.5	1		
5	QPSK	12	7	23.97	23.10	23.10				
5	QPSK	12	13	23.36	23.15	23.15				
5	HQAM	1	0	23.10	22.97	22.90	24.5	1		
5	HQAM	1	12	23.25	23.12	23.11				
5	HQAM	1	24	23.18	23.07	23.09				
5	HQAM	12	0	22.11	22.12	22.11	23.5	2		
5	HQAM	12	7	22.26	22.14	22.15				
5	HQAM	12	13	22.21	22.21	22.11				
5	HQAM	25	0	22.28	22.13	22.00	23.5	2		
5	HQAM	1	0	22.23	22.12	22.11				
5	HQAM	1	12	22.24	22.25	22.40				
5	HQAM	1	24	22.29	22.24	22.27	22.5	3		
5	HQAM	12	7	21.36	21.22	21.34				
5	HQAM	12	7	21.34	21.13	21.10				
5	HQAM	12	13	21.11	21.06	21.08	20.5	5		
5	HQAM	25	0	21.26	21.31	21.24				
5	SSQAM	1	0	19.06	19.16	19.05				
5	SSQAM	1	12	19.03	19.01	19.04	20.5	5		
5	SSQAM	1	24	19.01	19.00	19.01				
5	SSQAM	12	0	19.22	19.12	19.02				
5	SSQAM	12	7	19.20	19.18	19.05	20.5	5		
5	SSQAM	12	13	19.14	19.07	19.20				

Band 2 Ant4 DS11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power High (dBm)	Power Mean (dBm)	Power Peak (dBm)	Time-up (ms)	MPE (dB)			
Channel												
Frequency (MHz)	Channel	Power Low (dBm)	Power High (dBm)	Power Mean (dBm)	Power Peak (dBm)	Time-up (ms)	MPE (dB)					
20	QPSK	1	0	15.65	15.65	15.66						
20	QPSK	1	49	15.57	15.71	15.61	17	0				
20	QPSK	1	99	15.77	15.95	15.87						
20	QPSK	50	24	15.61	15.77	15.69						
20	QPSK	50	0	15.52	15.79	15.65	17	0				
20	QPSK	100	0	15.48	15.52	15.50						
20	QPSK	100	0	15.50	15.71	15.60						
20	QPSK	1	0	15.38	15.64	15.51						
20	QPSK	1	49	15.68	15.52	15.60	17	0				
20	QPSK	1	99	15.68	15.52	15.61						
20	QPSK	50	0	15.48	15.69	15.59						
20	QPSK	50	24	15.50	15.67	15.59						
20	QPSK	100	50	15.77	15.40	15.43						
20	QPSK	100	0	15.44	15.72	15.46						
20	QPSK	1	49	15.74	15.40	15.52	17	0				
20	QPSK	1	99	15.49	15.72	15.54						
20	QPSK	50	0	15.55	15.52	15.57						
20	QPSK	50	24	15.44	15.72	15.60	17	0				
20	QPSK	100	0	15.50	15.50	15.50						
20	QPSK	100	0	15.57	15.71	15.47						
20	QPSK	1	0	15.71	15.40	15.49						
20	QPSK	1	49	15.53	15.53	15.53	17	0				
20	QPSK	1	99	15.53	15.59	15.49						
20	QPSK	50	0	15.55	15.75	15.62						
20	QPSK	50	24	15.55	15.57	15.56						
20	QPSK	100	50	15.66	15.50	15.50						
20	QPSK	100	0	15.79	15.59	15.67	17	0				
Channel												
Frequency (MHz)	Channel	Power Low (dBm)	Power High (dBm)	Power Mean (dBm)	Power Peak (dBm)	Time-up (ms)	MPE (dB)					
15	QPSK	1	0	15.50	15.60	15.45						
15	QPSK	1	49	15.37	15.39	15.38	17	0				
15	QPSK	1	99	15.37	15.39	15.42						
15	QPSK	50	0	15.42	15.44	15.46						
15	QPSK	50	24	15.39	15.46	15.43	17	0				
15	QPSK	100	50	15.47	15.50	15.28						
15	QPSK	100	0	15.49	15.51	15.47						
15	QPSK	1	0	15.33	15.52	15.34						
15	QPSK	1	49	15.56	15.32	15.34	17	0				
15	QPSK	1	99	15.40	15.43	15.41						
15	QPSK	50	0	15.38	15.51	15.49						
15	QPSK	50	24	15.48	15.46	15.56	17	0				
15	QPSK	100	50	15.59	15.53	15.59						
15	QPSK	100	0	15.39	15.59	15.39						
15	QPSK	1	0	15.36	15.37	15.36						
15	QPSK	1	49	15.51	15.37	15.37	17	0				
15	QPSK	1	99	15.52	15.39	15.44						
15	QPSK	50	0	15.52	15.39	15.39						
15	QPSK	50	24	15.52	15.39	15.39						
15	QPSK	100	50	15.52	15.39	15.39						
15	QPSK	100	0	15.52	15.39	15.39						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.51	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	15.32	15.32	17	0				
15	QPSK	1	99	15.50	15.32	15.32						
15	QPSK	50	0	15.50	15.32	15.32						
15	QPSK	50	24	15.50	15.32	15.32						
15	QPSK	100	50	15.50	15.32	15.32						
15	QPSK	100	0	15.50	15.32	15.32						
15	QPSK	1	0	15.50	15.32	15.32						
15	QPSK	1	49	15.50	1							

Band 38 Ant4 DSI1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up freq (MHz)	MPR (dB)			
Channel				37660	36000	36100					
Frequency (MHz)				25950	25950	26100					
20	QPSK	1	0	19.28	19.43	19.22	20	0			
20	QPSK	1	49	19.22	19.12	19.08					
20	QPSK	1	99	19.16	19.33	19.31					
20	QPSK	50	0	19.14	19.34	19.04					
20	QPSK	50	24	19.13	19.35	19.02	20	0			
20	QPSK	50	50	19.05	19.18	19.23					
20	QPSK	100	0	19.23	19.29	19.20					
20	HQAM	1	0	19.03	19.04	19.03					
20	HQAM	1	49	19.02	19.26	19.30	20	0			
20	HQAM	1	99	19.21	19.02	19.16					
20	HQAM	50	0	19.04	19.37	19.02					
20	HQAM	50	24	19.23	19.11	19.12					
20	HQAM	100	0	19.06	19.91	19.92	20	0			
20	HQAM	1	0	19.08	19.12	19.26					
20	HQAM	1	49	19.24	19.35	19.05					
20	HQAM	1	99	19.08	19.02	19.16					
20	HQAM	50	0	19.04	19.16	19.17	20	0			
20	HQAM	50	24	19.14	19.34	19.05					
20	HQAM	50	50	19.16	19.07	19.01					
20	HQAM	100	0	19.07	19.28	19.25					
Channel				25973.5	25950	26173.5	Tune-up freq (MHz)	MPR (dB)			
Frequency (MHz)				25973.5	25950	26173.5					
15	QPSK	1	0	19.18	19.13	19.06	15	0			
15	QPSK	1	37	19.07	19.03	19.15					
15	QPSK	1	74	19.03	19.32	19.20					
15	QPSK	36	0	19.07	19.26	19.09					
15	QPSK	36	20	19.01	19.88	19.91	15	0			
15	QPSK	36	39	19.89	19.21	19.27					
15	QPSK	1	0	19.18	19.24	19.18					
15	HQAM	1	0	19.89	19.94	19.91					
15	HQAM	1	74	19.05	19.16	19.07	15	0			
15	HQAM	1	37	19.05	19.22	19.07					
15	HQAM	36	0	19.03	19.94	19.91					
15	HQAM	36	39	19.17	19.29	19.03					
15	HQAM	75	0	19.17	19.94	19.92	15	0			
15	HQAM	1	0	19.11	19.15	19.05					
15	HQAM	1	37	19.07	19.08	19.91					
15	HQAM	1	74	19.04	19.12	19.06					
15	HQAM	36	0	19.08	19.09	19.95	15	0			
15	HQAM	36	39	19.26	19.19	19.90					
15	HQAM	36	75	19.11	19.07	19.92					
15	HQAM	75	0	19.88	19.96	19.14					
15	SSBQAM	1	0	19.05	19.17	19.05	15	0			
15	SSBQAM	1	37	19.05	19.09	19.95					
15	SSBQAM	1	74	19.25	19.28	19.13					
15	SSBQAM	36	0	19.11	19.16	19.87					
15	SSBQAM	36	20	19.18	19.14	19.90	15	0			
15	SSBQAM	36	39	19.99	19.09	19.87					
15	SSBQAM	36	75	19.03	19.04	19.99					
15	SSBQAM	75	0	19.60	19.94	19.90					
Channel				37660	36000	36100	Tune-up freq (MHz)		MPR (dB)		
Frequency (MHz)				37660	36000	36100					
10	QPSK	1	0	19.20	19.32	19.21	10	0			
10	QPSK	1	25	19.14	19.94	19.89					
10	QPSK	1	49	19.15	19.21	19.03					
10	QPSK	25	0	19.94	19.22	19.03					
10	QPSK	25	12	19.94	19.94	19.97	10	0			
10	QPSK	25	12	19.91	19.19	19.14					
10	QPSK	50	0	19.18	19.22	19.19					
10	HQAM	1	0	19.04	19.04	19.02					
10	HQAM	1	25	19.89	19.23	19.05	10	0			
10	HQAM	1	49	19.07	19.16	19.05					
10	HQAM	1	99	19.09	19.09	19.07					
10	HQAM	25	12	19.08	19.03	19.02					
10	HQAM	50	20	19.18	19.14	19.15	10	0			
10	HQAM	50	20	19.04	19.92	19.95					
10	HQAM	1	0	19.99	19.18	19.05					
10	HQAM	1	25	19.07	19.26	19.05					
10	HQAM	1	49	19.95	19.11	19.09	10	0			
10	HQAM	25	12	19.91	19.95	19.96					
10	HQAM	25	12	19.13	19.27	19.13					
10	HQAM	25	12	19.14	19.87	19.87					
10	HQAM	50	20	19.07	19.20	19.02	10	0			
10	HQAM	50	20	19.07	19.18	19.10					
10	SSBQAM	1	0	19.05	19.05	19.03					
10	SSBQAM	1	25	19.95	19.02	19.03					
10	SSBQAM	1	49	19.11	19.32	19.05	10	0			
10	SSBQAM	25	0	19.09	19.29	19.89					
10	SSBQAM	25	12	19.12	19.20	19.86					
10	SSBQAM	25	25	19.91	19.88	19.95					
10	SSBQAM	50	0	19.84	19.93	19.21	10	0			
Channel				26173.5	25950	26173.5	Tune-up freq (MHz)	MPR (dB)			
Frequency (MHz)				26173.5	25950	26173.5					
5	QPSK	1	12	19.08	19.17	19.24	5	0			
5	QPSK	1	12	19.99	19.97	19.95					
5	QPSK	1	24	19.15	19.19	19.07					
5	QPSK	12	0	19.99	19.24	19.02					
5	QPSK	12	7	19.24	19.91	19.02	5	0			
5	QPSK	12	13	19.90	19.97	19.19					
5	QPSK	25	0	19.23	19.23	19.05					
5	HQAM	1	0	19.73	19.97	19.90					
5	HQAM	1	12	19.83	19.12	19.15	5	0			
5	HQAM	1	24	19.11	19.15	19.91					
5	HQAM	12	0	19.11	19.24	19.07					
5	HQAM	12	7	19.99	19.06	19.91					
5	HQAM	12	13	19.00	19.13	19.05	5	0			
5	HQAM	25	0	19.71	19.12	19.96					
5	HQAM	1	0	19.02	19.17	19.94					
5	HQAM	12	0	19.05	19.06	19.04					
5	HQAM	12	0	19.95	19.04	19.07					
5	HQAM	12	7	19.18	19.08	19.97					
5	HQAM	12	13	19.89	19.14	19.89					
5	HQAM	25	0	19.00	19.10	19.13					
5	HQAM	25	0	19.00	19.00	19.00					
5	SSBQAM	1	12	19.04	19.05	19.14					
5	SSBQAM	1	24	19.07	19.17	19.03					
5	SSBQAM	12	0	19.07	19.06	19.13					
5	SSBQAM	12	7	19.27	19.11	19.91					
5	SSBQAM	12	13	19.90	19.92	19.90					
5	SSBQAM	25	0	19.90	19.89	19.90					

GSM1900 Anti CSI 1 Default						
GSM1900	Power Average Power (dBm)			Tx Power Limit	Power Average Power (dBm)	
	TX Channel	812	813		812	813
Frequency (MHz)						
GSM 1 Tx anti		28.81	28.84	28.73	30.00	19.81 19.84 19.73 21.00
GSM 1 Tx anti		28.78	28.80	28.82	30.00	19.76 19.80 19.82 21.00
GSM 2 Tx anti		23.40	23.41	23.35	27.00	13.40 13.40 13.35 21.00
GSM 3 Tx anti		23.84	23.82	23.58	25.00	13.88 13.38 13.32 20.74
GSM 4 Tx anti		23.84	23.78	23.80	24.00	13.76 13.78 13.80 21.00
EDGE 1 Tx anti		24.38	24.35	24.17	26.00	13.38 13.32 13.17 17.00
EDGE 2 Tx anti		21.69	21.72	21.63	23.00	13.69 13.72 13.63 17.00
EDGE 3 Tx anti		19.90	19.80	19.85	21.00	13.84 13.74 13.82 16.74
EDGE 4 Tx anti		18.60	18.68	18.80	20.00	13.60 13.68 13.80 17.00

WCDMA II Anti CSI 1				WCDMA IV Anti CSI 1			
Band	WCDMA II			Tx Power Limit	WCDMA IV		Tx Power Limit
	TX Channel	8400	8430		8412	8430	
Frequency (MHz)							
SCPP Rel 00	Anti CSI 00000	18.50	18.48	18.49	19.50	17.47 17.52 17.48 18.50	
SCPP Rel 00	HS-PA Subcar-1	18.49	18.50	18.47	18.50	17.48 17.52 17.50 18.50	
SCPP Rel 00	HS-PA Subcar-2	17.50	17.49	17.53	18.50	16.39 16.39 16.40 17.50	
SCPP Rel 00	HS-PA Subcar-3	17.49	17.51	17.49	18.50	16.39 16.37 16.34 17.50	
SCPP Rel 00	HS-PA Subcar-4	17.48	17.51	17.44	18.50	15.35 15.37 15.39 17.00	
SCPP Rel 00	DC-HSPA Subcar-1	17.45	17.47	17.46	18.50	16.37 16.34 16.36 17.50	
SCPP Rel 00	DC-HSPA Subcar-2	17.57	17.49	17.46	18.50	15.47 15.50 15.73 17.00	
SCPP Rel 00	DC-HSPA Subcar-3	17.45	16.36	17.13	18.50	15.34 16.16 16.13 17.00	
SCPP Rel 00	DC-HSPA Subcar-4	17.11	17.49	17.05	18.50	15.34 15.23 16.11 17.00	
SCPP Rel 00	HS-PA Subcar-1	17.45	17.49	17.49	18.50	16.37 16.76 16.60 17.50	
SCPP Rel 00	HS-PA Subcar-2	16.51	16.01	13.36	17.50	15.43 15.59 15.72 16.50	
SCPP Rel 00	HS-PA Subcar-3	16.46	15.63	15.48	18.50	14.30 14.61 14.50 16.50	
SCPP Rel 00	HS-PA Subcar-4	17.64	17.52	17.51	18.50	16.34 16.77 16.57 17.50	

Band 4 Ant5 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power High Ch./Frac.	Power High Ch./Frac.	Turn-on (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	17.00	17.02.5	17.05				
20	QPSK	1	40	18.11	18.05	18.10	17.5	0		
20	QPSK	1	80	18.14	18.09	18.13				
20	QPSK	16	0	15.98	15.94	15.92				
20	QPSK	50	24	15.98	16.03	15.97	17.5	0		
20	QPSK	50	50	15.98	15.98	15.94				
20	QPSK	100	0	16.02	15.97	16.01				
20	HQAM	1	0	16.03	16.02	16.05				
20	HQAM	1	40	15.93	16.03	15.79	17.5	0		
20	HQAM	1	80	15.99	16.06	15.88				
20	HQAM	50	0	16.11	15.94	15.92				
20	HQAM	50	24	15.99	16.02	15.77	17.5	0		
20	HQAM	50	50	16.06	16.06	15.99				
20	HQAM	100	0	16.08	15.92	15.93				
20	ZSFGM	1	0	15.93	15.99	16.02				
20	ZSFGM	1	40	16.00	15.96	15.93	17.5	0		
20	ZSFGM	1	80	15.95	16.15	15.81				
20	ZSFGM	50	0	16.08	16.14	16.03				
20	ZSFGM	50	24	15.98	16.02	15.95	17.5	0		
20	ZSFGM	50	50	15.98	15.92	15.95				
20	ZSFGM	100	0	16.10	15.98	15.81				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.05	17.02.5	17.05				
15	QPSK	1	40	18.16	18.10	18.15	17.5	0		
15	QPSK	1	80	18.19	18.14	18.24				
15	QPSK	1	74	18.04	18.04	17.79				
15	QPSK	36	0	15.86	16.07	15.73				
15	QPSK	36	20	16.05	16.02	15.82	17.5	0		
15	QPSK	36	36	15.91	15.89	15.81				
15	QPSK	75	0	15.80	16.00	15.85				
15	HQAM	1	40	16.05	16.02	15.84				
15	HQAM	1	37	15.74	15.97	15.65	17.5	0		
15	HQAM	1	74	15.81	15.92	15.74				
15	HQAM	36	0	15.98	15.72	15.74				
15	HQAM	36	20	16.02	15.69	15.71	17.5	0		
15	HQAM	36	36	15.89	15.82	15.76				
15	HQAM	75	0	16.05	15.78	15.71				
15	HQAM	1	0	15.88	15.69	15.72				
15	HQAM	1	37	15.75	15.62	15.54	17.5	0		
15	HQAM	1	74	15.84	15.69	15.66				
15	HQAM	36	0	15.88	15.60	15.61				
15	HQAM	36	20	15.87	15.62	15.68	17.5	0		
15	HQAM	36	36	16.05	15.71	15.67				
15	HQAM	75	0	15.92	15.60	15.53				
15	ZSFGM	1	0	15.91	15.69	15.66				
15	ZSFGM	1	37	16.00	15.63	15.61	17.5	0		
15	ZSFGM	1	74	15.75	15.62	15.54				
15	ZSFGM	36	0	15.95	15.67	15.54				
15	ZSFGM	36	20	15.98	16.08	15.85	17.5	0		
15	ZSFGM	36	36	15.89	15.82	15.76				
15	ZSFGM	75	0	16.00	15.58	15.52				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.05	17.02.5	17.05				
10	QPSK	1	40	18.07	18.13	18.30				
10	QPSK	1	25	16.00	15.89	15.85	17.5	0		
10	QPSK	1	40	15.98	15.86	15.83				
10	QPSK	25	0	15.96	16.01	15.76				
10	QPSK	25	12	15.91	16.03	15.77	17.5	0		
10	QPSK	25	25	15.92	15.98	15.57				
10	QPSK	50	0	15.84	16.09	15.95				
10	HQAM	1	0	16.03	15.96	15.82				
10	HQAM	1	25	15.95	16.02	15.82	17.5	0		
10	HQAM	1	40	16.00	15.90	15.87				
10	HQAM	25	0	16.11	15.71	15.67				
10	HQAM	25	12	16.02	15.86	15.71	17.5	0		
10	HQAM	25	25	16.01	15.86	15.86				
10	HQAM	50	0	15.86	15.86	15.76				
10	HQAM	1	0	15.82	15.97	15.70	17.5	0		
10	HQAM	1	40	15.80	16.00	15.87				
10	HQAM	1	40	15.80	16.00	15.87				
10	HQAM	25	0	15.86	15.79	15.70				
10	HQAM	25	12	15.78	15.69	15.65	17.5	0		
10	HQAM	25	25	15.90	15.86	15.70				
10	HQAM	50	0	15.84	15.80	15.64				
10	HQAM	50	12	15.85	15.78	15.62	17.5	0		
10	HQAM	50	25	15.90	15.86	15.70				
10	HQAM	100	0	15.84	15.80	15.64				
10	HQAM	25	0	15.84	15.81	15.79				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.07	16.13	16.17				
5	QPSK	1	12	15.97	15.94	16.06	17.5	0		
5	QPSK	1	24	15.94	16.06	15.99				
5	QPSK	12	0	15.84	16.01	15.85				
5	QPSK	12	7	15.84	15.93	15.93	17.5	0		
5	QPSK	12	13	15.86	16.00	15.83				
5	QPSK	15	0	15.98	16.03	15.81				
5	HQAM	1	0	15.82	15.91	16.03				
5	HQAM	1	12	15.87	15.89	15.84	17.5	0		
5	HQAM	1	24	16.00	16.00	15.82				
5	HQAM	12	0	16.04	16.15	15.94				
5	HQAM	12	7	15.90	15.89	15.79	17.5	0		
5	HQAM	12	13	15.90	15.89	15.79				
5	HQAM	25	0	15.97	16.00	15.80				
5	ZSFGM	1	0	16.01	16.06	15.97				
5	ZSFGM	1	12	15.98	15.86	15.74	17.5	0		
5	ZSFGM	1	24	15.93	16.04	15.81				
5	ZSFGM	12	0	15.95	16.15	15.86				
5	ZSFGM	12	7	15.83	15.92	15.81	17.5	0		
5	ZSFGM	12	13	15.80	15.78	15.82				
5	ZSFGM	25	0	16.00	15.92	15.94				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.02	16.15	16.06				
3	QPSK	1	6	15.87	15.86	15.86	17.5	0		
3	QPSK	1	14	16.07	15.97	15.81				
3	QPSK	6	0	15.94	15.97	16.06				
3	QPSK	6	4	15.94	15.98	15.98	17.5	0		
3	QPSK	6	7	16.07	16.03	15.71				
3	HQAM	1	0	15.92	15.82	15.94				
3	HQAM	1	6	15.92	15.89	15.86	17.5	0		
3	HQAM	1	14	15.96	16.04	15.76				
3	HQAM	6	0	15.91	15.88	15.78	17.5	0		
3	HQAM	6	4	16.04	15.95	15.85				
3	HQAM	15	0	16.06	15.92	15.79				
3	HQAM	1	0	15.80	15.91	15.82	17.5	0		
3	HQAM	1	14	15.76	15.81	15.84				
3	HQAM	1	14	15.76	15.81	15.84				
3	HQAM	6	0	15.91	15.87	15.87				
3	HQAM	6	4	15.87	15.83	15.80	17.5	0		
3	HQAM	6	7	16.08	16.03	15.88				
3	HQAM	15	0	15.92	15.79	15.80				
3	HQAM	1								

Band 38 Ant5 DSI1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq. (MHz)	MPR (dB)			
Channel				3760	3600	3610					
Frequency (MHz)				2595	2600	2610					
20	QPSK	1	0	18.71	18.90	18.72	20	0			
20	QPSK	1	49	18.83	18.75	18.54					
20	QPSK	1	99	18.97	18.81	18.64	20	0			
20	QPSK	50	0	18.62	18.58	18.73					
20	QPSK	50	24	18.77	18.59	18.43	20	0			
20	QPSK	50	50	18.78	18.77	18.80					
20	QPSK	100	0	18.72	18.57	18.51	20	0			
20	HQAM	1	0	18.64	18.67	18.45					
20	HQAM	1	49	18.84	18.84	18.83	20	0			
20	HQAM	1	99	18.92	18.87	18.81					
20	HQAM	50	0	18.75	18.81	18.37	20	0			
20	HQAM	50	24	18.69	18.80	18.87					
20	HQAM	50	50	18.52	18.82	18.71	20	0			
20	HQAM	100	0	18.85	18.86	18.50					
20	HQAM	1	0	18.80	18.86	18.73	20	0			
20	HQAM	1	49	18.93	18.83	18.52					
20	HQAM	1	99	18.71	18.81	18.69	20	0			
20	HQAM	50	24	18.83	18.83	18.52					
20	HQAM	50	50	18.54	18.85	18.49	20	0			
20	HQAM	100	0	18.87	18.85	18.49					
20	HQAM	100	0	18.80	18.72	18.45	20	0			
20	256QAM	1	49	18.71	18.78	18.45					
20	256QAM	1	99	18.86	18.68	18.60	20	0			
20	256QAM	50	0	18.57	18.79	18.70					
20	256QAM	50	24	18.54	18.54	18.67	20	0			
20	256QAM	50	50	18.75	18.87	18.78					
20	256QAM	100	0	18.69	18.73	18.68					
Channel				2577.8	2595	2612.8	Tune-up freq. (MHz)	MPR (dB)			
Frequency (MHz)				18.69	18.84	18.67					
15	QPSK	1	0	18.69	18.84 <td>18.67</td> <td rowspan="2">20</td> <td rowspan="2">0</td> <td colspan="3"></td>	18.67	20	0			
15	QPSK	1	37	18.80	18.70	18.50					
15	QPSK	1	74	18.71	18.67	18.70	20	0			
15	QPSK	36	0	18.71	18.69	18.64					
15	QPSK	36	20	18.80	18.82	18.71	20	0			
15	QPSK	36	39	18.52	18.77	18.73					
15	QPSK	36	58	18.64	18.59	18.50	20	0			
15	HQAM	1	0	18.78	18.78	18.43					
15	HQAM	1	74	18.64	18.74	18.60	20	0			
15	HQAM	36	0	18.72	18.57	18.52					
15	HQAM	36	20	18.53	18.44	18.45	20	0			
15	HQAM	36	39	18.34	18.79	18.73					
15	HQAM	75	0	18.74	18.82	18.32	20	0			
15	HQAM	1	0	18.42	18.59	18.83					
15	HQAM	1	37	18.71	18.53	18.51	20	0			
15	HQAM	1	74	18.72	18.51	18.51					
15	HQAM	36	0	18.82	18.75	18.71	20	0			
15	HQAM	36	20	18.54	18.83	18.37					
15	HQAM	36	39	18.61	18.51	18.51	20	0			
15	HQAM	75	0	18.84	18.87	18.87					
15	256QAM	1	37	18.71	18.50	18.45	20	0			
15	256QAM	1	74	18.80	18.68	18.61					
15	256QAM	36	0	18.82	18.00	18.45	20	0			
15	256QAM	36	20	18.82	18.74	18.46					
15	256QAM	36	39	18.71	18.73	18.70	20	0			
15	256QAM	75	0	18.88	18.81	18.70					
Channel				3760	3600	3600	Tune-up freq. (MHz)	MPR (dB)			
Frequency (MHz)				3595	3600	3600					
10	QPSK	1	0	18.80	18.79	18.85	20	0			
10	QPSK	1	25	18.71	18.66	18.38					
10	QPSK	1	49	18.79	18.65	18.65	20	0			
10	QPSK	25	0	18.63	18.73	18.49					
10	QPSK	25	12	18.60	18.71	18.84	20	0			
10	QPSK	25	37	18.83	18.81	18.81					
10	QPSK	50	0	18.54	18.93	18.60	20	0			
10	HQAM	1	0	18.61	18.68	18.68					
10	HQAM	1	25	18.87	18.59	18.81	20	0			
10	HQAM	1	49	18.42	18.84	18.46					
10	HQAM	25	0	18.83	18.84	18.85	20	0			
10	HQAM	25	12	18.68	18.78	18.69					
10	HQAM	50	25	18.87	18.87	18.45	20	0			
10	HQAM	50	50	18.81	18.81	18.75					
10	HQAM	1	0	18.51	18.78	18.73	20	0			
10	HQAM	1	25	18.80	18.60	18.30					
10	HQAM	1	49	18.71	18.52	18.70	20	0			
10	HQAM	25	0	18.83	18.72	18.45					
10	HQAM	25	12	18.88	18.70	18.70	20	0			
10	HQAM	50	25	18.50	18.75	18.69					
10	HQAM	50	50	18.67	18.52	18.50	20	0			
10	HQAM	1	0	18.89	18.87	18.41					
10	256QAM	1	25	18.78	18.71	18.37	20	0			
10	256QAM	1	49	18.71	18.87	18.83					
10	256QAM	25	0	18.53	18.82	18.70	20	0			
10	256QAM	25	12	18.71	18.58	18.51					
10	256QAM	25	25	18.82	18.58	18.80	20	0			
10	256QAM	50	0	18.63	18.83	18.73					
Channel				2612.8	2595	2617.8	Tune-up freq. (MHz)	MPR (dB)			
Frequency (MHz)				18.71	18.75	18.71					
5	QPSK	1	12	18.74	18.73	18.45	20	0			
5	QPSK	1	24	18.80	18.73	18.69					
5	QPSK	12	0	18.79	18.55	18.52	20	0			
5	QPSK	12	12	18.90	18.83	18.82					
5	QPSK	12	13	18.51	18.79	18.81	20	0			
5	QPSK	25	0	18.60	18.78	18.31					
5	HQAM	1	0	18.82	18.89	18.31	20	0			
5	HQAM	1	24	18.47	18.79	18.37					
5	HQAM	12	0	18.85	18.45	18.85	20	0			
5	HQAM	12	7	18.69	18.46	18.51					
5	HQAM	12	13	18.46	18.80	18.82	20	0			
5	HQAM	25	0	18.74	18.87	18.45					
5	HQAM	1	0	18.92	18.92	18.45	20	0			
5	HQAM	1	12	18.79	18.80	18.54					
5	HQAM	12	7	18.82	18.74	18.70	20	0			
5	HQAM	12	13	18.44	18.75	18.80					
5	HQAM	25	0	18.80	18.58	18.49	20	0			
5	HQAM	25	12	18.80	18.58	18.49					
5	HQAM	25	25	18.80	18.58	18.49	20	0			
5	HQAM	1	12	18.77	18.71	18.40					
5	256QAM	1	24	18.77	18.75	18.74	20	0			
5	256QAM	1	36	18.51	18.78	18.83					
5	256QAM	12	7	18.82	18.83	18.57	20	0			
5	256QAM	12	13	18.71	18.46	18.46					
5	256QAM	25	0	18.60	18.80	18.49					

Band 42 Ant9 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel				42100	42600	42600			
Frequency (MHz)				3466	3500	3546			
20	QPSK	1	0	18.78	18.82	18.58	18.5	0	
20	QPSK	1	40	18.84	18.72	18.77			
20	QPSK	1	80	18.72	18.82	18.81			
20	QPSK	35	0	18.55	18.74	18.28			
20	QPSK	36	0	18.58	18.71	18.54	18.5	0	
20	QPSK	36	40	18.72	18.65	18.89			
20	QPSK	36	80	18.67	18.69	18.56			
20	16QAM	1	0	18.67	18.69	18.81			
20	16QAM	1	40	18.78	18.52	18.98	18.5	0	
20	16QAM	1	80	18.62	18.59	18.85			
20	16QAM	35	0	18.64	18.58	18.85			
20	16QAM	35	24	18.58	18.58	18.83			
20	16QAM	35	0	18.53	18.70	18.26	18.5	0	
20	16QAM	35	40	18.58	18.52	18.57			
20	16QAM	35	80	18.57	18.57	18.56			
20	16QAM	1	0	18.57	18.57	18.56			
20	16QAM	1	40	18.57	18.56	18.56	18.5	0	
20	16QAM	1	80	18.57	18.58	18.58			
20	16QAM	35	24	18.53	18.50	18.50			
20	16QAM	35	50	18.76	18.57	18.68			
20	16QAM	100	0	18.51	18.52	18.55	18.5	0	
20	256QAM	1	0	18.64	18.57	18.68			
20	256QAM	1	40	18.68	18.60	18.67			
20	256QAM	36	0	18.70	18.69	18.65			
Channel				42140	42580	42600			
Frequency (MHz)				3472.5	3500	3547.5			
15	QPSK	1	0	18.73	18.70	18.70	18.5	0	
15	QPSK	1	25	18.78	18.54	18.68			
15	QPSK	1	50	18.70	18.64	18.58			
15	QPSK	25	0	18.67	18.61	18.64			
15	QPSK	25	12	18.53	18.64	18.59	18.5	0	
15	QPSK	25	25	18.75	18.70	18.67			
15	QPSK	50	0	18.71	18.75	18.85			
15	16QAM	1	0	18.68	18.63	18.72			
15	16QAM	1	25	18.68	18.68	18.72	18.5	0	
15	16QAM	1	49	18.64	18.60	18.65			
15	16QAM	25	0	18.65	18.52	18.62			
15	16QAM	25	12	18.65	18.67	18.71			
15	16QAM	25	25	18.72	18.58	18.68	18.5	0	
15	16QAM	50	0	18.69	18.67	18.77			
15	16QAM	1	0	18.59	18.64	18.65			
15	16QAM	1	26	18.65	18.59	18.67			
15	16QAM	1	49	18.69	18.73	18.65	18.5	0	
15	16QAM	25	0	18.66	18.61	18.62			
15	16QAM	25	12	18.62	18.62	18.65			
15	16QAM	25	25	18.54	18.60	18.69			
15	16QAM	50	0	18.64	18.61	18.64	18.5	0	
15	16QAM	50	0	18.72	18.52	18.57			
15	256QAM	1	0	18.67	18.57	18.62			
15	256QAM	1	49	18.50	18.59	18.50			
15	256QAM	25	0	18.63	18.70	18.70	18.5	0	
15	256QAM	25	12	18.64	18.70	18.64			
15	256QAM	25	25	18.68	18.63	18.62			
15	256QAM	50	0	18.60	18.65	18.65			
Channel				3472.5	3500	3547.5			
Frequency (MHz)				18.64	18.76	18.71			
5	QPSK	1	0	18.64	18.76	18.71	18.5	0	
5	QPSK	1	12	18.63	18.78	18.71			
5	QPSK	1	24	18.76	18.61	18.73			
5	QPSK	12	0	18.62	18.65	18.68			
5	QPSK	12	7	18.55	18.55	18.55	18.5	0	
5	QPSK	12	13	18.71	18.54	18.54			
5	QPSK	25	0	18.72	18.61	18.65			
5	16QAM	1	0	18.54	18.71	18.63			
5	16QAM	1	12	18.62	18.67	18.55	18.5	0	
5	16QAM	1	24	18.64	18.62	18.65			
5	16QAM	12	0	18.61	18.60	18.62			
5	16QAM	12	7	18.53	18.52	18.68			
5	16QAM	12	13	18.70	18.60	18.65	18.5	0	
5	16QAM	25	0	18.60	18.53	18.69			
5	16QAM	1	0	18.70	18.61	18.57			
5	16QAM	1	12	18.55	18.60	18.57			
5	16QAM	1	24	18.62	18.74	18.62	18.5	0	
5	16QAM	12	0	18.65	18.60	18.57			
5	16QAM	12	7	18.67	18.63	18.68			
5	16QAM	12	13	18.74	18.58	18.55			
5	16QAM	25	0	18.65	18.58	18.65	18.5	0	
5	256QAM	1	0	18.64	18.52	18.51			
5	256QAM	1	12	18.78	18.72	18.68			
5	256QAM	12	7	18.58	18.55	18.62			
5	256QAM	12	13	18.68	18.58	18.68	18.5	0	
5	256QAM	25	0	18.69	18.57	18.51			

Band 48 Ant9 DS11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)		
Channel				50340	50800	50160	50660				
Frequency (MHz)				3560	3600	3640	3680				
20	QPSK	1	0	18.18	18.33	18.22	18.11	19.5	0		
20	QPSK	1	49	18.21	18.27	18.54	18.12				
20	QPSK	1	99	18.18	18.22	18.51	18.13				
20	QPSK	50	24	18.17	18.00	18.14	18.03				
20	QPSK	50	0	18.25	18.20	18.18	18.03	19.5	0		
20	QPSK	100	0	18.20	18.22	17.99	18.15				
20	16QAM	1	0	18.10	18.20	18.13	18.00				
20	16QAM	1	49	18.12	18.18	18.17	18.02				
20	16QAM	1	99	18.08	18.08	18.15	18.21	19.5	0		
20	16QAM	1	24	17.17	17.60	17.75	17.77				
20	16QAM	50	24	17.09	17.68	17.75	17.77				
20	16QAM	50	0	17.70	17.70	17.72	17.78				
20	64QAM	1	0	17.76	17.63	17.72	17.66	19	0.5		
20	64QAM	1	49	17.71	17.60	17.72	17.78				
20	64QAM	1	99	18.02	18.03	18.05	18.08				
20	64QAM	50	50	18.05	18.02	17.82	18.08				
20	64QAM	100	0	17.09	17.94	18.09	17.61	18	1.5		
20	64QAM	1	24	16.83	17.63	17.83	17.69				
20	64QAM	50	50	18.05	18.02	17.82	18.08				
20	64QAM	100	0	17.09	17.94	18.09	17.61				
20	256QAM	1	0	14.81	14.74	14.82	14.73	16	3.5		
20	256QAM	1	49	14.72	14.71	14.80	14.82				
20	256QAM	50	0	14.84	14.87	14.84	14.84				
20	256QAM	50	24	14.69	14.64	14.73	14.88				
20	256QAM	100	0	14.69	14.69	14.69	14.78	16	3.5		
20	256QAM	100	0	14.81	14.84	14.71	14.82				
Channel				3657.5	3697.5	3637.5	3687.5			Time-up limit (dBm)	MFR (dB)
Frequency (MHz)				3657.5	3697.5	3637.5	3687.5				
10	QPSK	1	0	18.08	18.22	18.08	18.02	19.5	0		
10	QPSK	1	37	18.13	18.18	18.12	18.01				
10	QPSK	1	74	18.04	18.11	18.37	18.10				
10	QPSK	36	0	18.18	18.20	18.10	18.14				
10	QPSK	36	0	18.05	17.87	17.97	17.89	19.5	0		
10	QPSK	36	36	18.10	17.92	17.92	18.10				
10	QPSK	36	74	18.07	18.14	18.14	18.14				
10	16QAM	1	0	17.99	18.09	18.05	17.88				
10	16QAM	1	37	17.88	18.04	17.84	17.82	19.5	0		
10	16QAM	1	74	18.00	18.00	18.00	18.00				
10	16QAM	36	0	17.45	17.61	17.59	17.68				
10	16QAM	36	36	17.44	17.69	17.62	17.69				
10	16QAM	36	74	17.62	17.59	17.62	17.62	19	0.5		
10	16QAM	75	0	17.62	17.65	17.59	17.63				
10	64QAM	1	0	17.61	17.63	17.61	17.64				
10	64QAM	1	37	17.84	17.67	17.73	17.67				
10	64QAM	1	74	17.88	17.67	17.70	17.64	19	0.5		
10	64QAM	1	111	18.04	17.83	17.93	18.01				
10	64QAM	36	20	18.24	18.05	18.08	18.07				
10	64QAM	36	58	18.07	18.04	18.04	18.04				
10	64QAM	75	0	18.08	18.02	18.04	18.04	18	1.5		
10	64QAM	75	0	18.04	18.08	18.08	18.08				
10	64QAM	75	0	18.04	18.08	18.08	18.08				
10	64QAM	75	0	18.04	18.08	18.08	18.08				
10	256QAM	1	0	14.54	14.48	14.72	14.85	16	3.5		
10	256QAM	1	37	14.58	14.58	14.48	14.52				
10	256QAM	1	74	14.81	14.58	14.48	14.73				
10	256QAM	1	111	14.68	14.78	14.78	14.78				
10	256QAM	36	20	14.57	14.58	14.64	14.58	16	3.5		
10	256QAM	36	58	14.67	14.61	14.58	14.61				
10	256QAM	36	99	14.57	14.61	14.58	14.61				
10	256QAM	36	137	14.73	14.74	14.68	14.69				
Channel				3652.5	3692.5	3632.5	3682.5	Time-up limit (dBm)	MFR (dB)		
Frequency (MHz)				3652.5	3692.5	3632.5	3682.5				
10	QPSK	1	0	18.04	18.25	18.14	17.98	19.5	0		
10	QPSK	1	37	18.08	18.18	18.37	18.04				
10	QPSK	1	74	18.03	18.07	18.37	18.10				
10	QPSK	36	0	18.13	18.17	18.09	18.14				
10	QPSK	36	0	18.08	17.85	18.05	17.94	19.5	0		
10	QPSK	36	36	18.05	17.92	17.92	18.10				
10	QPSK	36	74	18.00	18.15	18.17	18.03				
10	16QAM	1	0	17.98	18.08	18.03	17.88				
10	16QAM	1	37	17.99	18.08	17.87	17.95	19.5	0		
10	16QAM	1	74	18.00	17.96	18.04	18.12				
10	16QAM	1	111	17.46	17.49	17.49	17.69				
10	16QAM	25	12	17.68	17.65	17.62	17.67				
10	16QAM	25	0	17.68	17.61	17.64	17.65	19	0.5		
10	16QAM	25	37	17.85	17.61	17.62	17.68				
10	16QAM	25	74	17.66	17.63	17.68	17.63				
10	16QAM	25	111	17.66	17.63	17.68	17.63				
10	64QAM	1	0	17.56	17.53	17.58	17.53	19	0.5		
10	64QAM	1	37	17.54	17.62	17.64	17.69				
10	64QAM	1	74	17.58	17.60	17.64	17.69				
10	64QAM	25	0	18.03	18.01	18.01	18.07				
10	64QAM	25	37	18.03	18.03	18.03	18.07	18	1.5		
10	64QAM	25	74	18.06	18.01	18.08	18.70				
10	64QAM	25	111	18.01	18.08	18.08	18.08				
10	256QAM	1	0	14.53	14.64	14.75	14.62				
10	256QAM	1	37	14.65	14.58	14.43	14.54	16	3.5		
10	256QAM	1	74	14.60	14.59	14.48	14.74				
10	256QAM	1	111	14.85	14.60	14.74	14.70				
10	256QAM	25	0	14.85	14.80	14.76	14.70				
10	256QAM	25	0	14.85	14.80	14.76	14.70	16	3.5		
10	256QAM	25	37	14.81	14.80	14.76	14.70				
10	256QAM	25	74	14.81	14.80	14.76	14.70				
10	256QAM	25	111	14.81	14.80	14.76	14.70				
10	256QAM	50	0	14.73	14.70	14.61	14.68	16	3.5		
10	256QAM	50	37	14.73	14.70	14.61	14.68				
Channel				3650.5	3690.5	3630.5	3680.5			Time-up limit (dBm)	MFR (dB)
Frequency (MHz)				3650.5	3690.5	3630.5	3680.5				
10	QPSK	1	0	18.04	18.26	18.14	18.02	19.5	0		
10	QPSK	1	37	18.08	18.18	18.37	18.05				
10	QPSK	1	74	18.04	18.13	18.12	18.02				
10	QPSK	36	0	18.11	18.15	18.05	18.14				
10	QPSK	36	0	18.03	17.88	18.06	17.92	19.5	0		
10	QPSK	36	36	18.10	17.97	17.92	18.14				
10	QPSK	36	74	18.05	18.13	18.13	18.02				
10	16QAM	1	0	17.99	18.08	18.05	17.89				
10	16QAM	1	37	17.98	18.02	17.81	17.95	19.5	0		
10	16QAM	1	74	17.84	17.60	17.61	17.65				
10	16QAM	12	0	17.48	17.63	17.68	17.62				
10	16QAM	12	37	17.60	17.60	17.60	17.63				
10	16QAM	12	13	17.60	17.60	17.64	17.63	19	0.5		
10	16QAM	12	50	17.63	17.61	17.68	17.63				
10	16QAM	25	0	17.67	17.62	17.62	17.68				
10	16QAM	25	12	17.66	17.64	17.71	17.67				
10	64QAM	1	0	17.61	17.63	17.64	17.68	19	0.5		
10	64QAM	1	37	17.59	17.61	18.01	18.70				
10	64QAM	12	0	18.03	18.05	18.01	18.70				
10	64QAM	12	37	18.03	18.05	18.01	18.70				
10	64QAM	25	0	18.05	18.05	18.05	18.70	18	1.5		
10	64QAM	25	37	18.05	18.05	18.05	18.70				
10	64QAM	25	74	18.05	18.05	18.05	18.70				
10	64QAM	25	111	18.05	18.05	18.05	18.70				
10	256QAM	1	0	14.71	14.61	14.41	14.50	16	3.5		
10	256QAM	1	37	14.71	14.61	14.41	14.50				
10	256QAM	1	74	14.69	14.67	14.55	14.69				
10	256QAM	1	111	14.62	14.72	14.72	14.74				
10	256QAM	12	0	14.57	14.51	14.59	14.58	16	3.5		
10	256QAM	12	37	14.53	14.57	14.53	14.65				
10	256QAM	12	74	14.53	14.57	14.53	14.65				
10	256QAM	12	111	14.53	14.57	14.53	14.65				

Band 42 Ant10 DSH1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)					
Channel				42160	42560	42660							
Frequency (MHz)				3466	3500	3546							
20	QPSK	1	0	18.43	18.47	18.16	19.7	0					
20	QPSK	1	40	18.28	18.32	18.45							
20	QPSK	1	80	18.42	18.34	18.35							
20	QPSK	50	0	18.23	18.48	18.26							
20	QPSK	50	24	18.17	18.18	18.40	19.7	0					
20	QPSK	50	40	18.35	18.15	18.29							
20	QPSK	100	0	18.26	18.39	17.96							
20	16QAM	1	0	18.25	18.33	18.44							
20	16QAM	1	40	18.22	18.25	18.26	19.7	0					
20	16QAM	1	80	18.37	18.44	18.11							
20	16QAM	50	0	18.24	18.11	18.85							
20	16QAM	50	24	18.27	18.18	18.33							
20	16QAM	100	0	18.21	18.13	18.25	19.7	0					
20	16QAM	100	0	18.25	18.29	18.31							
20	8QAM	1	0	18.26	18.33	17.82							
20	8QAM	1	80	18.11	18.17	18.42							
20	8QAM	1	96	18.35	18.28	18.25	19.7	0					
20	8QAM	50	0	18.22	18.17	18.27							
20	8QAM	50	24	18.35	18.25	18.05							
20	8QAM	50	50	18.17	18.31	18.27							
20	256QAM	1	0	18.49	18.25	17.99	19.7	0					
20	256QAM	1	40	18.11	18.27	18.39							
20	256QAM	1	80	18.33	18.18	18.35							
20	256QAM	50	0	18.28	18.38	18.03							
20	256QAM	50	24	18.28	18.36	18.44							
20	256QAM	50	80	18.25	18.33	18.35							
20	256QAM	100	0	18.30	18.27	18.35							
Channel				42160	42560	42660							
Frequency (MHz)				3457.5	3500	3542.5							
15	QPSK	1	0	18.38	18.37	17.89	19.7	0					
15	QPSK	1	37	18.11	18.25	18.32							
15	QPSK	1	74	18.35	18.27	18.29							
15	QPSK	36	0	18.18	18.26	17.86							
15	QPSK	36	20	17.89	18.12	18.26	19.7	0					
15	QPSK	36	36	18.35	18.16	18.28							
15	16QAM	1	0	18.07	18.21	18.29							
15	16QAM	1	37	18.21	18.27	18.18							
15	16QAM	1	74	18.14	18.38	17.90	19.7	0					
15	16QAM	36	0	18.05	18.20	17.84							
15	16QAM	36	20	18.36	18.03	17.91							
15	16QAM	36	36	18.10	18.27	18.21							
15	8QAM	75	0	18.50	18.18	18.15	19.7	0					
15	256QAM	1	0	18.27	18.24	18.27							
15	256QAM	1	37	17.95	18.24	18.27							
15	256QAM	1	74	18.25	18.12	18.29							
15	256QAM	36	0	18.14	18.28	17.80	19.7	0					
15	256QAM	36	20	18.09	18.20	18.26							
15	256QAM	36	36	18.14	18.14	18.30							
15	256QAM	75	0	18.18	18.17	18.32							
Channel				42160	42560	42660							
Frequency (MHz)				3451.5	3500	3547.5							
10	QPSK	1	0	18.34	18.45	18.08	19.7	0					
10	QPSK	1	25	18.07	18.15	18.43							
10	QPSK	1	40	18.35	18.50	18.14							
10	QPSK	25	0	18.03	18.39	18.03							
10	QPSK	25	12	18.09	18.17	18.27	19.7	0					
10	QPSK	25	37	18.15	18.04	18.13							
10	QPSK	50	0	18.31	18.28	17.88							
10	16QAM	1	0	18.07	18.19	18.25							
10	16QAM	1	25	18.29	18.44	18.11	19.7	0					
10	16QAM	1	40	18.07	18.12	18.33							
10	16QAM	25	0	18.38	18.17	18.28							
10	16QAM	25	12	17.88	18.27	18.23							
10	16QAM	50	0	18.23	18.11	18.11	19.7	0					
10	8QAM	1	0	18.43	18.33	18.11							
10	8QAM	1	25	18.07	18.11	18.25							
10	8QAM	1	40	18.38	18.36	18.26							
10	8QAM	25	0	18.20	17.89	18.12	19.7	0					
10	8QAM	25	12	18.30	18.19	18.03							
10	8QAM	25	25	18.01	18.18	18.09							
10	8QAM	50	0	18.18	18.23	18.14							
10	256QAM	1	0	18.25	18.29	18.01	19.7	0					
10	256QAM	1	25	18.09	18.30	18.43							
10	256QAM	1	40	18.22	18.22	18.21							
10	256QAM	25	0	18.19	18.18	17.96							
10	256QAM	25	12	18.11	18.26	18.37	19.7	0					
10	256QAM	25	25	18.18	18.24	18.29							
10	256QAM	50	0	18.18	18.18	18.28							
10	256QAM	50	0	18.18	18.18	18.28							
Channel				3451.5	3500	3547.5							
Frequency (MHz)				3451.5	3500	3547.5							
5	QPSK	1	0	18.36	18.31	17.86	19.7	0					
5	QPSK	1	15	18.27	18.13	18.29							
5	QPSK	1	24	18.36	18.13	18.19							
5	QPSK	12	7	18.02	18.16	18.21							
5	QPSK	12	13	18.28	17.86	18.13	19.7	0					
5	QPSK	25	0	18.10	18.22	17.83							
5	16QAM	1	0	18.08	18.12	18.36							
5	16QAM	1	12	18.07	18.25	18.04							
5	16QAM	1	24	18.34	18.30	17.92	19.7	0					
5	16QAM	12	0	18.23	18.28	17.99							
5	16QAM	12	7	17.97	18.05	18.16							
5	16QAM	12	13	18.17	18.14	18.24							
5	16QAM	25	0	18.23	18.29	18.15	19.7	0					
5	8QAM	1	0	18.35	18.12	17.89							
5	8QAM	1	12	18.07	18.27	18.17							
5	8QAM	1	24	18.32	18.13	18.26							
5	8QAM	12	0	18.28	17.86	18.23	19.7	0					
5	8QAM	12	7	18.38	18.24	17.82							
5	8QAM	12	13	17.86	18.26	18.08							
5	8QAM	25	0	18.08	18.27	17.95							
5	256QAM	1	0	18.35	18.37	18.06	19.7	0					
5	256QAM	1	24	18.27	18.33	18.15							
5	256QAM	1	40	18.28	18.18	18.52	19.7	0					
5	256QAM	12	7	18.38	18.24	17.82							
5	256QAM	12	13	17.86	18.26	18.08							
5	256QAM	25	0	18.18	18.18	18.28							

Band 42 Ant11 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)				
Channel				42160	42600	42660						
Frequency (MHz)				3466	3600	3646						
20	QPSK	1	0	20.58	20.84	20.88	22.5	0				
20	QPSK	1	40	20.59	20.87	20.84						
20	QPSK	1	80	20.63	20.86	20.81						
20	QPSK	50	0	20.62	20.78	20.54						
20	QPSK	50	24	20.58	20.64	20.72	22.5	0				
20	QPSK	50	48	20.51	20.61	20.53						
20	QPSK	100	0	20.56	20.71	20.53						
20	16QAM	1	0	20.60	20.76	20.59						
20	16QAM	1	40	20.67	20.74	20.76	22.5	0				
20	16QAM	1	80	20.59	20.59	20.68						
20	16QAM	50	0	20.72	20.72	20.80						
20	16QAM	50	24	20.66	20.75	20.54						
20	16QAM	100	0	20.68	20.49	20.70	21.5	1				
20	64QAM	1	0	20.61	20.76	20.64						
20	64QAM	1	80	20.59	20.51	20.45						
20	64QAM	1	96	20.67	20.63	20.69						
20	64QAM	1	0	20.62	20.61	20.71	21.5	1				
20	64QAM	50	24	19.51	19.61	19.85						
20	64QAM	50	50	19.59	19.82	19.69						
20	64QAM	100	0	19.65	19.74	19.73						
20	256QAM	1	0	17.52	17.95	17.99	18.5	4				
20	256QAM	1	40	17.54	17.54	17.68						
20	256QAM	1	80	17.74	17.58	17.74						
20	256QAM	50	0	17.48	17.72	17.67						
20	256QAM	50	24	17.52	17.61	17.61						
20	256QAM	50	50	17.73	17.50	17.67	18.5	4				
20	256QAM	100	0	17.75	17.43	17.61						
Channel				3467.5	3600	3646.5						
Frequency (MHz)				20.76 <td>20.88</td> <td>20.71</td> <td colspan="4"></td>	20.88	20.71						
15	QPSK	1	0	20.76	20.88	20.71	22.5	0				
15	QPSK	1	32	20.75	20.81	20.80						
15	QPSK	1	74	20.53	20.65	20.51						
15	QPSK	36	0	20.68	20.68	20.54						
15	QPSK	36	20	20.53	20.58	20.76	22.5	0				
15	QPSK	36	36	20.54	20.72	20.55						
15	QPSK	36	52	20.50	20.73	20.81						
15	16QAM	1	0	20.60	20.64	20.56						
15	16QAM	1	0	20.54	20.58	20.77	22.5	0				
15	16QAM	1	74	20.54	20.58	20.77						
15	16QAM	36	0	20.70	20.70	20.68						
15	16QAM	36	0	20.74	20.70	20.56						
15	16QAM	36	36	20.69	20.47	20.72	21.5	1				
15	16QAM	75	0	20.61	20.46	20.63						
15	64QAM	1	0	20.58	20.67	20.59						
15	64QAM	1	37	20.47	20.45	20.50						
15	64QAM	1	74	20.62	20.51	20.65	21.5	1				
15	64QAM	36	0	19.64	19.85	19.69						
15	64QAM	36	20	19.67	19.57	19.62						
15	64QAM	36	36	19.65	19.62	19.64						
15	64QAM	75	0	19.58	19.76	19.68	20.5	2				
15	256QAM	1	0	17.55	17.45	17.65						
15	256QAM	1	74	17.77	17.85	17.77						
15	256QAM	36	0	17.57	17.72	17.74						
15	256QAM	36	20	17.85	17.88	17.85	18.5	4				
15	256QAM	36	36	17.81	17.47	17.68						
15	256QAM	75	0	17.72	17.73	17.63						
15	256QAM	75	0	17.72	17.73	17.63						
Channel				42160	42560	42660						
Frequency (MHz)				3467.5	3600	3647.5						
10	QPSK	1	0	20.54	20.78	20.69	22.5	0				
10	QPSK	1	25	20.51	20.57	20.60						
10	QPSK	1	50	20.67	20.73	20.55						
10	QPSK	25	0	20.58	20.65	20.64						
10	QPSK	25	12	20.52	20.61	20.62	22.5	0				
10	QPSK	25	37	20.58	20.68	20.54						
10	QPSK	50	0	20.65	20.62	20.64						
10	16QAM	1	0	20.55	20.63	20.60						
10	16QAM	1	25	20.79	20.81	20.79	22.5	0				
10	16QAM	1	40	20.64	20.58	20.72						
10	16QAM	25	0	20.75	20.60	20.59						
10	16QAM	25	12	20.74	20.66	20.62						
10	16QAM	25	37	20.61	20.44	20.70	21.5	1				
10	16QAM	50	0	20.77	20.65	20.72						
10	64QAM	1	0	20.73	20.67	20.63						
10	64QAM	1	36	20.68	20.59	20.43						
10	64QAM	1	40	20.58	20.71	20.65	21.5	1				
10	64QAM	25	0	19.58	19.73	19.61						
10	64QAM	25	12	19.57	19.62	19.67						
10	64QAM	25	37	19.74	19.65	19.71						
10	64QAM	25	25	19.52	19.54	19.72	20.5	2				
10	64QAM	50	0	19.63	19.63	19.63						
10	256QAM	1	0	17.63	17.77	17.77						
10	256QAM	1	25	17.65	17.54	17.77						
10	256QAM	1	40	17.85	17.45	17.76	18.5	4				
10	256QAM	25	0	17.41	17.64	17.64						
10	256QAM	25	12	17.77	17.77	17.77						
10	256QAM	25	25	17.76	17.45	17.71						
10	256QAM	50	0	17.64	17.69	17.50	18.5	4				
10	256QAM	50	0	17.64	17.69	17.50						
Channel				3467.5	3600	3647.5						
Frequency (MHz)				20.56 <td>20.80</td> <td>20.69</td> <td colspan="4"></td>	20.80	20.69						
5	QPSK	1	0	20.56	20.80	20.69	22.5	0				
5	QPSK	1	10	20.61	20.66	20.58						
5	QPSK	1	24	20.59	20.75	20.60						
5	QPSK	12	0	20.62	20.67	20.64						
5	QPSK	12	7	20.55	20.74	20.63	22.5	0				
5	QPSK	12	13	20.51	20.62	20.58						
5	QPSK	25	0	20.55	20.62	20.63						
5	16QAM	1	0	20.63	20.62	20.64						
5	16QAM	1	12	20.56	20.64	20.61	22.5	0				
5	16QAM	1	24	20.56	20.64	20.77						
5	16QAM	12	0	20.71	20.69	20.58						
5	16QAM	12	7	20.73	20.74	20.58						
5	16QAM	12	13	20.75	20.43	20.61	21.5	1				
5	16QAM	25	0	20.59	20.47	20.61						
5	64QAM	1	0	20.65	20.78	20.76						
5	64QAM	1	12	20.66	20.60	20.48						
5	64QAM	1	24	20.75	20.53	20.72	21.5	1				
5	64QAM	12	0	19.72	19.90	19.81						
5	64QAM	12	7	19.69	19.69	19.67						
5	64QAM	12	13	19.60	19.60	19.65	20.5	2				
5	64QAM	25	0	19.59	19.79	19.73						
5	64QAM	25	12	19.60	19.60	19.65						
5	64QAM	25	25	19.59	19.59	19.64						
5	256QAM	1	0	17.45	17.45	17.67	18.5	4				
5	256QAM	1	24	17.79	17.59	17.77						
5	256QAM	12	0	17.60	17.60	17.68						
5	256QAM	12	7	17.68	17.68	17.77						
5	256QAM	12	13	17.78	17.48	17.76	18.5	4				
5	256QAM	25	0	17.48	17.68	17.68						
5	256QAM	25	12	17.78	17.78	17.78						

[illegible]

Band 12 AntT DSI1 ENC										
BSF (MHz)	Modulation	RB Size	RB Count	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Power Spectral Density (dBm/100KHz)	Transmit Bandwidth (MHz)	UE Tx Power (dBm)	UE Tx Power (dBm)
Channel				7.5	7.5	7.5	7.5	10.0	10.0	10.0
Frequency (MHz)				704	707	711	714			
5	QPSK	1	6	18.18	18.24	18.30	18.36	10.0	0	
5	QPSK	1	6	18.18	18.24	18.30	18.36	10.0	0	
5	QPSK	1	6	18.12	17.98	18.21	18.15	10.0	0	
5	QPSK	20	120	17.48	17.48	17.48	17.48	10.0	0	
5	QPSK	5	30	18.00	18.20	18.20	18.20	10.0	0	
5	QPSK	20	20	18.01	17.78	18.00	17.78	10.0	0	
5	QPSK	20	20	18.00	17.78	17.78	17.78	10.0	0	
5	QPSK	10	6	17.93	18.17	17.93	18.17	10.0	0	
5	QPSK	10	6	18.23	17.94	17.94	17.94	10.0	0	
5	QPSK	10	6	18.23	18.00	18.00	18.00	10.0	0	
5	QPSK	20	6	17.88	18.20	17.88	18.20	10.0	0	
5	QPSK	20	12	17.92	17.88	18.00	17.88	10.0	0	
5	QPSK	20	12	17.91	18.07	17.91	18.07	10.0	0	
5	QPSK	20	12	18.15	17.72	18.00	17.72	10.0	0	
5	QPSK	50	0	18.08	18.04	17.68	18.04	10.0	0	
5	QPSK	1	25	18.07	18.07	18.07	18.07	10.0	0	
5	QPSK	1	49	17.82	18.04	17.84	18.04	10.0	0	
5	QPSK	1	49	18.03	17.80	18.04	17.80	10.0	0	
5	QPSK	20	12	18.14	18.00	18.01	18.01	10.0	0	
5	QPSK	20	25	17.81	18.07	17.81	18.07	10.0	0	
5	QPSK	20	25	18.15	17.82	18.00	17.82	10.0	0	
5	256QAM	1	6	18.07	18.08	18.20	18.07	10.0	0	
5	256QAM	1	6	18.07	18.01	17.93	18.01	10.0	0	
5	256QAM	1	6	18.06	17.72	18.00	17.72	10.0	0	
5	256QAM	20	0	18.03	17.94	17.68	17.94	10.0	0	
5	256QAM	20	12	18.00	17.72	17.72	17.72	10.0	0	
5	256QAM	50	0	18.00	17.85	17.65	17.85	10.0	0	
5	256QAM	50	0	17.88	17.65	18.01	17.65	10.0	0	
Channel				701.5	707.5	713.5	719.5	Transmit Bandwidth (MHz)	UE Tx Power (dBm)	UE Tx Power (dBm)
5	QPSK	1	6	18.07	18.10	17.97	18.07	10.0	0	
5	QPSK	1	6	18.07	18.10	17.97	18.07	10.0	0	
5	QPSK	1	24	17.91	17.93	18.14	17.91	10.0	0	
5	QPSK	12	0	18.01	18.18	17.98	18.01	10.0	0	
5	QPSK	12	0	17.90	17.74	18.14	17.90	10.0	0	
5	QPSK	12	13	18.13	17.90	18.18	18.13	10.0	0	
5	QPSK	20	0	17.97	17.98	18.04	17.97	10.0	0	
5	QPSK	20	0	18.01	17.94	17.98	18.01	10.0	0	
5	QPSK	1	12	18.00	17.94	17.78	17.94	10.0	0	
5	QPSK	1	12	18.00	17.94	17.78	17.94	10.0	0	
5	QPSK	12	0	17.87	18.00	17.71	17.87	10.0	0	
5	QPSK	12	7	17.72	17.81	17.91	17.72	10.0	0	
5	QPSK	1	12	18.11	17.98	17.74	18.11	10.0	0	

Band 17 Ant1 DS11 ENDC									
SRP (MHz)	Modulation	Channel	SSB Offset	Power (W)	Power (W)	Power (W)	Time Slot	Antenna	Notes
Frequency (MHz)				700	710	711			
5	QPSK	1	6	18.00	18.00	18.00	19.5	0	
5	QPSK	2	6	18.00	18.00	18.00	19.5	0	
5	QPSK	3	6	18.00	18.00	18.00	19.5	0	
5	QPSK	4	6	18.00	18.00	18.00	19.5	0	
5	QPSK	5	6	18.00	18.00	18.00	19.5	0	
5	QPSK	6	6	18.00	18.00	18.00	19.5	0	
5	QPSK	7	6	18.00	18.00	18.00	19.5	0	
5	QPSK	8	6	18.00	18.00	18.00	19.5	0	
5	QPSK	9	6	18.00	18.00	18.00	19.5	0	
5	QPSK	10	6	18.00	18.00	18.00	19.5	0	
5	QPSK	11	6	18.00	18.00	18.00	19.5	0	
5	QPSK	12	6	18.00	18.00	18.00	19.5	0	
5	QPSK	13	6	18.00	18.00	18.00	19.5	0	
5	QPSK	14	6	18.00	18.00	18.00	19.5	0	
5	QPSK	15	6	18.00	18.00	18.00	19.5	0	
5	QPSK	16	6	18.00	18.00	18.00	19.5	0	
5	QPSK	17	6	18.00	18.00	18.00	19.5	0	
5	QPSK	18	6	18.00	18.00	18.00	19.5	0	
5	QPSK	19	6	18.00	18.00	18.00	19.5	0	
5	QPSK	20	6	18.00	18.00	18.00	19.5	0	
5	QPSK	21	6	18.00	18.00	18.00	19.5	0	
5	QPSK	22	6	18.00	18.00	18.00	19.5	0	
5	QPSK	23	6	18.00	18.00	18.00	19.5	0	
5	QPSK	24	6	18.00	18.00	18.00	19.5	0	
5	QPSK	25	6	18.00	18.00	18.00	19.5	0	
5	QPSK	26	6	18.00	18.00	18.00	19.5	0	
5	QPSK	27	6	18.00	18.00	18.00	19.5	0	
5	QPSK	28	6	18.00	18.00	18.00	19.5	0	
5	QPSK	29	6	18.00	18.00	18.00	19.5	0	
5	QPSK	30	6	18.00	18.00	18.00	19.5	0	
5	QPSK	31	6	18.00	18.00	18.00	19.5	0	
5	QPSK	32	6	18.00	18.00	18.00	19.5	0	
5	QPSK	33	6	18.00	18.00	18.00	19.5	0	
5	QPSK	34	6	18.00	18.00	18.00	19.5	0	
5	QPSK	35	6	18.00	18.00	18.00	19.5	0	
5	QPSK	36	6	18.00	18.00	18.00	19.5	0	
5	QPSK	37	6	18.00	18.00	18.00	19.5	0	
5	QPSK	38	6	18.00	18.00	18.00	19.5	0	
5	QPSK	39	6	18.00	18.00	18.00	19.5	0	
5	QPSK	40	6	18.00	18.00	18.00	19.5	0	
5	QPSK	41	6	18.00	18.00	18.00	19.5	0	
5	QPSK	42	6	18.00	18.00	18.00	19.5	0	
5	QPSK	43	6	18.00	18.00	18.00	19.5	0	
5	QPSK	44	6	18.00	18.00	18.00	19.5	0	
5	QPSK	45	6	18.00	18.00	18.00	19.5	0	
5	QPSK	46	6	18.00	18.00	18.00	19.5	0	
5	QPSK	47	6	18.00	18.00	18.00	19.5	0	
5	QPSK	48	6	18.00	18.00	18.00	19.5	0	
5	QPSK	49	6	18.00	18.00	18.00	19.5	0	
5	QPSK	50	6	18.00	18.00	18.00	19.5	0	

Band 26 Ant1 DS1 ENDC												
BSF (MHz)	Modulation	BSF Size	BSF Offset	Power (W) Ch. 1	Power (W) Ch. 2	Power (W) Ch. 3	Time-slot (ms)	Antenna (dB)				
Channel				26.40	26.40	26.40						
Frequency (MHz)				81.5	83.5	84.5						
15	QPSK	1	0	16.18	16.34	16.31	19.5	0				
15	QPSK	1	0	17.08	17.08	17.08	19.5	0				
15	QPSK	1	74	17.07	18.07	18.17	19.5	0				
15	QPSK	36	0	16.34	16.30	16.17	19.5	0				
15	QPSK	36	0	17.08	18.07	18.17	19.5	0				
15	QPSK	36	74	17.07	17.02	18.28	19.5	0				
15	QPSK	1	0	16.31	16.22	16.17	19.5	0				
15	QPSK	1	0	17.08	17.08	17.08	19.5	0				
15	QPSK	1	37	17.06	17.88	18.11	19.5	0				
15	QPSK	1	74	17.07	18.07	18.17	19.5	0				
15	QPSK	36	0	16.34	16.30	16.17	19.5	0				
15	QPSK	36	0	17.08	18.07	18.17	19.5	0				
15	QPSK	36	74	17.07	17.02	18.28	19.5	0				
15	QPSK	1	0	16.34	16.24	16.17	19.5	0				
15	QPSK	1	37	17.85	18.28	17.88	19.5	0				
15	QPSK	1	74	17.85	18.28	17.88	19.5	0				
15	QPSK	36	0	16.18	16.33	16.18	19.5	0				
15	QPSK	36	74	16.11	16.25	17.17	19.5	0				
15	QPSK	36	0	17.08	18.07	18.17	19.5	0				
15	QPSK	36	74	17.07	17.02	18.28	19.5	0				
Channel				26.40	26.40	26.40						
Frequency (MHz)				81.5	83.5	84.5	Time-slot (ms)	Antenna (dB)				
15	QPSK	1	0	17.08	18.11	17.88	19.5	0				
15	QPSK	1	26	17.04	17.07	18.28	19.5	0				
15	QPSK	1	26	17.08	18.07	18.17	19.5	0				
15	QPSK	25	0	17.04	18.07	18.28	19.5	0				
15	QPSK	25	12	17.88	18.27	18.23	19.5	0				
15	QPSK	25	12	17.88	18.27	18.23	19.5	0				
15	QPSK	80	0	18.23	18.25	18.21	19.5	0				
15	QPSK	80	0	17.88	18.28	18.21	19.5	0				
15	QPSK	1	26	17.07	17.08	18.17	19.5	0				
15	QPSK	1	48	17.91	18.09	18.13	19.5	0				
15	QPSK	25	12	17.88	18.27	18.23	19.5	0				
15	QPSK	25	12	18.04	17.87	18.16	19.5	0				
15	QPSK	25	26	18.03	18.18	18.62	19.5	0				
15	QPSK	80	0	17.88	17.77	18.21	19.5	0				
15	QPSK	1	0	19.71	18.08	17.87	19.5	0				
15	QPSK	1	26	18.16	18.08	18.62	19.5	0				
15	QPSK	25	12	18.03	18.28	17.87	19.5	0				
15	QPSK	25	12	18.03	18.28	17.87	19.5	0				
15	QPSK	80	0	17.88	17.88	17.87	19.5	0				
15	QPSK	1	0	18.03	18.28	18.28	19.5	0				
15	QPSK	1	26	19.91	18.04	18.28	19.5	0				
15	QPSK	1	48	17.82	18.38	17.87	19.5	0				
15	QPSK	25	12	18.03	18.28	17.87	19.5	0				
15	QPSK	25	12	18.28	18.18	18.62	19.5	0				
15	QPSK	25	26	17.73	17.96	17.88	19.5	0				
Channel				26.40	26.40	26.40						
Frequency (MHz)				81.5	83.5	84.5	Time-slot (ms)	Antenna (dB)				
5	QPSK	1	0	17.87	18.27	18.23	19.5	0				
5	QPSK	1	12	17.84	18.05	18.28	19.5	0				
5	QPSK	1	24	17.88	18.27	18.03	19.5	0				
5	QPSK	1	36	18.03	18.16	18.78	19.5	0				
5	QPSK	12	7	17.81	18.04	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	1	0	17.88	18.18	18.50	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	0	17.81	18.07	17.88	19.5	0				
5	QPSK	12	13	17.86	17.81	18.17	19.5	0				
5	QPSK	12	13	18.03	18.24	18.08	19.5	0				
5	QPSK	25	0	17.83	18.08	17.80	19.5	0				
5	QPSK	25	0	17.84	18.24	17.88	19.5	0				
5	QPSK	1	12	17.86	17.88	18.07	19.5	0				
5	QPSK	1	24	18.02	18.17	18.10	19.5	0				
5	QPSK	12	7	18.07	18.01	18.17	19.5	0				
5	QPSK	12	7	17.78	18.18	18.62	19.5	0				
5	QPSK	25	0	17.88	17.88	17.88	19.5	0				
5	QPSK	25	0	17.88	17.70	17.90	19.5	0				
5	QPSK	1	0	17.84	18.27	17.88	19.5	0				
5	QPSK	12	0	17.88	18.07	18.17	19.5	0				
5	QPSK	1	24	18.08	18.24	18.10	19.5	0				
5	QPSK	12	0	17.87	18.21	17.89	19.5	0				
5	QPSK	12	0	17.88	18.21	17.88	19.5	0				
5	QPSK	12	13	18.02	18.26	18.07	19.5	0				
5	QPSK	12	13	18.02	18.26	18.07	19.5	0				
5	QPSK	25	0	17.84	17.88	17.88	19.5	0				
5	QPSK	25	0	17.84	17.88	17.88	19.5	0				
5	QPSK	1	0	17.88	18.23	18.28	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	7	17.81	18.04	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	1	0	17.88	18.18	18.50	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	0	17.81	18.07	17.88	19.5	0				
5	QPSK	12	13	17.86	17.81	18.17	19.5	0				
5	QPSK	12	13	18.03	18.24	18.08	19.5	0				
5	QPSK	25	0	17.83	18.08	17.80	19.5	0				
5	QPSK	25	0	17.84	18.24	17.88	19.5	0				
5	QPSK	1	12	17.86	17.88	18.07	19.5	0				
5	QPSK	1	24	18.02	18.17	18.10	19.5	0				
5	QPSK	12	7	18.07	18.01	18.17	19.5	0				
5	QPSK	12	7	17.78	18.18	18.62	19.5	0				
5	QPSK	25	0	17.88	17.88	17.88	19.5	0				
5	QPSK	25	0	17.88	17.70	17.90	19.5	0				
5	QPSK	1	0	17.84	18.27	17.88	19.5	0				
5	QPSK	12	0	17.88	18.07	18.17	19.5	0				
5	QPSK	1	24	18.08	18.24	18.10	19.5	0				
5	QPSK	12	0	17.87	18.21	17.89	19.5	0				
5	QPSK	12	0	17.88	18.21	17.88	19.5	0				
5	QPSK	12	13	18.02	18.26	18.07	19.5	0				
5	QPSK	12	13	18.02	18.26	18.07	19.5	0				
5	QPSK	25	0	17.84	17.88	17.88	19.5	0				
5	QPSK	25	0	17.84	17.88	17.88	19.5	0				
5	QPSK	1	0	17.88	18.23	18.28	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	7	17.81	18.04	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	1	0	17.88	18.18	18.50	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	0	17.81	18.07	17.88	19.5	0				
5	QPSK	12	13	17.86	17.81	18.17	19.5	0				
5	QPSK	12	13	18.03	18.24	18.08	19.5	0				
5	QPSK	25	0	17.83	18.08	17.80	19.5	0				
5	QPSK	25	0	17.84	18.24	17.88	19.5	0				
5	QPSK	1	12	17.86	17.88	18.07	19.5	0				
5	QPSK	1	24	18.02	18.17	18.10	19.5	0				
5	QPSK	12	7	18.07	18.01	18.17	19.5	0				
5	QPSK	12	7	17.78	18.18	18.62	19.5	0				
5	QPSK	25	0	17.88	17.88	17.88	19.5	0				
5	QPSK	25	0	17.88	17.70	17.90	19.5	0				
5	QPSK	1	0	17.84	18.27	17.88	19.5	0				
5	QPSK	12	0	17.88	18.07	18.17	19.5	0				
5	QPSK	1	24	18.08	18.24	18.10	19.5	0				
5	QPSK	12	0	17.87	18.21	17.89	19.5	0				
5	QPSK	12	0	17.88	18.21	17.88	19.5	0				
5	QPSK	12	13	18.02	18.26	18.07	19.5	0				
5	QPSK	12	13	18.02	18.26	18.07	19.5	0				
5	QPSK	25	0	17.84	17.88	17.88	19.5	0				
5	QPSK	25	0	17.84	17.88	17.88	19.5	0				
5	QPSK	1	0	17.88	18.23	18.28	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	7	17.81	18.04	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	25	13	18.28	18.15	18.13	19.5	0				
5	QPSK	1	0	17.88	18.18	18.50	19.5	0				
5	QPSK	1	12	17.88	18.05	18.28	19.5	0				
5	QPSK	1	24	17.90	18.28	18.08	19.5	0				
5	QPSK	12	0	17.81	1							



EUROPEAN UNION

Band 2 Ant4 DS1i ENDC																
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Frac.	Power Mod. Ch./Frac.	Power High Ch./Frac.	Time-up [ms]	MPE (dB)								
Channel																
Frequency [MHz]																
20	QPSK	1	0	18.65	18.65	18.65	15	0								
20	QPSK	1	49	13.35	13.32	13.28										
20	QPSK	1	99	13.46	13.35	13.35										
20	QPSK	50	24	13.35	13.35	13.35										
20	QPSK	50	24	13.32	13.46	13.14	15	0								
20	QPSK	50	24	13.44	13.30	13.45										
20	QPSK	100	50	13.41	13.35	13.35										
20	QPSK	100	50	13.32	13.35	13.34										
20	16QAM	1	0	13.18	13.16	13.14	15	0								
20	16QAM	1	49	13.34	13.22	13.16										
20	16QAM	1	99	13.41	13.25	13.28										
20	16QAM	50	24	13.32	13.37	13.36										
20	16QAM	50	24	13.27	13.30	13.24	15	0								
20	16QAM	50	24	13.38	13.19	13.23										
20	16QAM	100	50	13.36	13.32	13.24										
20	16QAM	100	50	13.44	13.30	13.20										
20	64QAM	1	0	13.26	13.24	13.22	15	0								
20	64QAM	1	49	13.45	13.27	13.22										
20	64QAM	1	99	13.21	13.48	13.20										
20	64QAM	50	24	13.33	13.33	13.23										
20	256QAM	1	0	13.38	13.32	13.27	15	0								
20	256QAM	1	49	13.43	13.30	13.19										
20	256QAM	1	99	13.35	13.35	13.27										
20	256QAM	50	24	13.36	13.35	13.26										
20	256QAM	50	24	13.35	13.35	13.26	15	0								
20	256QAM	50	24	13.35	13.35	13.26										
20	256QAM	100	50	13.35	13.35	13.26										
20	256QAM	100	50	13.35	13.35	13.26										
Channel																
Frequency [MHz]																
16	QPSK	1	0	13.33	13.33	13.33	15	0								
16	QPSK	1	49	13.44	13.33	13.33										
16	QPSK	1	99	13.45	13.36	13.35										
16	QPSK	36	0	13.35	13.44	13.32										
16	QPSK	36	36	13.35	13.22	13.23	15	0								
16	QPSK	36	36	13.36	13.51	13.13										
16	QPSK	75	0	13.22	13.38	13.24										
16	16QAM	1	0	13.29	13.51	13.48										
16	16QAM	1	37	13.44	13.19	13.33	15	0								
16	16QAM	1	37	13.44	13.19	13.33										
16	16QAM	36	0	13.44	13.50	13.41										
16	16QAM	36	36	13.26	13.34	13.25										
16	16QAM	75	0	13.45	13.37	13.27	15	0								
16	16QAM	75	0	13.45	13.37	13.27										
16	16QAM	75	0	13.45	13.37	13.27										
16	16QAM	75	0	13.45	13.37	13.27										
16	64QAM	1	0	13.25	13.35	13.25	15	0								
16	64QAM	1	49	13.45	13.35	13.25										
16	64QAM	1	99	13.46	13.34	13.18										
16	64QAM	36	0	13.46	13.34	13.18										
16	256QAM	1	0	13.37	13.21	13.15	15	0								
16	256QAM	1	49	13.45	13.21	13.15										
16	256QAM	1	99	13.45	13.21	13.15										
16	256QAM	36	0	13.45	13.21	13.15										
16	256QAM	36	36	13.25	13.35	13.25	15	0								
16	256QAM	36	36	13.25	13.35	13.25										
16	256QAM	75	0	13.44	13.27	13.19										
16	256QAM	75	0	13.44	13.27	13.19										
16	256QAM	75	0	13.44	13.27	13.19	15	0								
16	256QAM	75	0	13.44	13.27	13.19										
16	256QAM	75	0	13.44	13.27	13.19										
16	256QAM	75	0	13.44	13.27	13.19										
Channel																
Frequency [MHz]																
16	QPSK	1	0	13.35	13.37	13.42	15	0								
16	QPSK	1	25	13.48	13.50	13.38										
16	QPSK	1	49	13.48	13.38	13.38										
16	QPSK	25	0	13.44	13.35	13.27										
16	QPSK	25	12	13.32	13.52	13.32	15	0								
16	QPSK	25	12	13.34	13.39	13.40										
16	QPSK	50	0	13.32	13.29	13.24										
16	QPSK	50	0	13.48	13.33	13.29										
16	16QAM	1	0	13.48	13.33	13.29	15	0								
16	16QAM	1	36	13.28	13.13	13.21										
16	16QAM	1	49	13.18	13.48	13.33										
16	16QAM	1	49	13.18	13.48	13.33										
16	16QAM	36	0	13.47	13.37	13.24	15	0								
16	16QAM	36	0	13.47	13.37	13.24										
16	16QAM	36	36	13.29	13.31	13.22										
16	16QAM	36	36	13.29	13.31	13.22										
16	16QAM	75	0	13.47	13.37	13.24	15	0								
16	16QAM	75	0	13.47	13.37	13.24										
16	16QAM	75	0	13.47	13.37	13.24										
16	16QAM	75	0	13.47	13.37	13.24										
16	64QAM	1	0	13.25	13.31	13.22	15	0								
16	64QAM	1	25	13.41	13.51	13.31										
16	64QAM	1	49	13.41	13.51	13.31										
16	64QAM	1	49	13.41	13.51	13.31										
16	64QAM	25	0	13.35	13.35	13.25	15	0								
16	64QAM	25	0	13.35	13.35	13.25										
16	64QAM	25	0	13.35	13.35	13.25										
16	64QAM	25	0	13.35	13.35	13.25										
16	64QAM	50	0	13.44	13.33	13.23	15	0								
16	64QAM	50	0	13.44	13.33	13.23										
16	64QAM	50	0	13.44	13.33	13.23										
16	64QAM	50	0	13.44	13.33	13.23										
16	256QAM	1	0	13.37	13.21	13.15	15	0								
16	256QAM	1	49	13.45	13.21	13.15										
16	256QAM	1	99	13.45	13.21	13.15										
16	256QAM	36	0	13.45	13.21	13.15										
16	256QAM	36	36	1												

Band 38 Ant4 DSI1 ENDC										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up freq (MHz)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	18.60	18.90	18.74				
20	QPSK	1	49	18.92	18.44	18.45	17.5			0
20	QPSK	1	99	18.47	18.99	18.70				
20	QPSK	50	0	18.67	18.94	18.62				
20	QPSK	50	24	18.59	18.77	18.69				
20	QPSK	50	50	18.48	18.60	18.55	17.5			0
20	QPSK	100	0	18.56	18.75	18.69				
20	HQAM	1	0	18.26	18.38	18.30				
20	HQAM	1	49	18.27	18.81	18.74	17.5			0
20	HQAM	1	99	18.49	18.67	18.52				
20	HQAM	50	0	18.41	18.19	18.37				
20	HQAM	50	24	18.61	18.59	18.47	17.5			0
20	HQAM	50	50	18.50	18.72	18.60				
20	HQAM	100	0	18.31	18.39	18.26				
20	HQAM	1	0	18.38	18.68	18.70	17.5			0
20	HQAM	1	49	18.93	18.44	18.71				
20	HQAM	1	99	18.53	18.39	18.50				
20	HQAM	50	0	18.27	18.56	18.40				
20	HQAM	50	24	18.27	18.67	18.53	17.5			0
20	HQAM	50	50	18.54	18.44	18.58				
20	HQAM	100	0	18.42	18.56	18.50				
20	256QAM	1	0	18.41	18.86	18.49	17.5			0
20	256QAM	1	49	18.93	18.44	18.71				
20	256QAM	1	99	18.59	18.81	18.77				
20	256QAM	50	0	18.65	18.71	18.49				
20	256QAM	50	24	18.59	18.55	18.67	17.5			0
20	256QAM	50	50	18.45	18.49	18.59				
20	256QAM	100	0	18.30	18.68	18.65				
Channel				2077.8	2095	2071.8	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	18.62	18.65	18.77				
15	QPSK	1	37	18.43	18.79	18.74	17.5			0
15	QPSK	1	74	18.61	18.81	18.74				
15	QPSK	36	0	18.76	18.75	18.60				
15	QPSK	36	20	18.62	18.78	18.70	17.5			0
15	QPSK	36	39	18.68	18.76	18.61				
15	QPSK	36	74	18.74	18.70	18.41				
15	HQAM	1	0	18.62	18.81	18.67	17.5			0
15	HQAM	1	37	18.44	18.74	18.69				
15	HQAM	1	74	18.68	18.67	18.62				
15	HQAM	36	0	18.68	18.70	18.68				
15	HQAM	36	20	18.61	18.82	18.62	17.5			0
15	HQAM	36	39	18.68	18.77	18.64				
15	HQAM	75	0	18.78	18.81	18.67				
15	HQAM	1	0	18.78	18.77	18.70				
15	HQAM	1	37	18.69	18.81	18.69	17.5			0
15	HQAM	1	74	18.62	18.76	18.70				
15	HQAM	36	0	18.82	18.73	18.70				
15	HQAM	36	20	18.68	18.63	18.70	17.5			0
15	HQAM	36	39	18.68	18.82	18.62				
15	HQAM	75	0	18.67	18.71	18.70				
15	256QAM	1	0	18.62	18.82	18.62				
15	256QAM	1	37	18.94	18.74	18.80	17.5			0
15	256QAM	1	74	18.81	18.84	18.82				
15	256QAM	36	0	18.76	18.82	18.67				
15	256QAM	36	20	18.69	18.85	18.78	17.5			0
15	256QAM	36	39	18.78	18.82	18.68				
15	256QAM	75	0	18.70	18.67	18.69				
Channel				37650	38000	38050	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	18.86	18.81	18.74				
10	QPSK	1	25	18.69	18.84	18.84	17.5			0
10	QPSK	1	49	18.80	18.81	18.75				
10	QPSK	25	0	18.68	18.79	18.71				
10	QPSK	25	12	18.76	18.72	18.64	17.5			0
10	QPSK	25	49	18.69	18.84	18.75				
10	QPSK	50	0	18.83	18.75	18.81				
10	HQAM	1	0	18.61	18.84	18.81				
10	HQAM	1	25	18.70	18.77	18.72	17.5			0
10	HQAM	1	49	18.67	18.72	18.81				
10	HQAM	25	0	18.62	18.66	18.61				
10	HQAM	25	12	18.73	18.67	18.79	17.5			0
10	HQAM	50	20	18.74	18.74	18.71				
10	HQAM	50	49	18.61	18.73	18.74				
10	HQAM	1	0	18.64	18.70	18.82	17.5			0
10	HQAM	1	49	18.60	18.67	18.78				
10	HQAM	25	0	18.75	18.71	18.71				
10	HQAM	25	12	18.68	18.79	18.72	17.5			0
10	HQAM	25	25	18.77	18.82	18.78				
10	HQAM	50	0	18.68	18.73	18.64				
10	256QAM	1	0	18.78	18.70	18.67	17.5			0
10	256QAM	1	25	18.63	18.71	18.68				
10	256QAM	1	49	18.84	18.84	18.70				
10	256QAM	25	0	18.69	18.82	18.80				
10	256QAM	25	12	18.81	18.65	18.75	17.5			0
10	256QAM	25	25	18.72	18.82	18.83				
10	256QAM	50	0	18.82	18.81	18.81				
Channel				2077.8	2095	2071.8	Tune-up freq (MHz)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	18.78	18.72	18.82				
5	QPSK	1	12	18.64	18.70	18.65	17.5			0
5	QPSK	1	24	18.84	18.69	18.73				
5	QPSK	12	0	18.67	18.75	18.62				
5	QPSK	12	7	18.70	18.63	18.72	17.5			0
5	QPSK	12	13	18.72	18.65	18.80				
5	QPSK	25	0	18.70	18.66	18.71				
5	HQAM	1	0	18.77	18.86	18.78				
5	HQAM	1	12	18.72	18.72	18.85	17.5			0
5	HQAM	1	24	18.69	18.66	18.71				
5	HQAM	12	0	18.71	18.84	18.84				
5	HQAM	12	7	18.61	18.78	18.79	17.5			0
5	HQAM	12	13	18.75	18.68	18.81				
5	HQAM	25	0	18.79	18.72	18.82				
5	HQAM	1	0	18.72	18.76	18.71	17.5			0
5	HQAM	1	12	18.77	18.78	18.70				
5	HQAM	1	24	18.79	18.71	18.84				
5	HQAM	12	0	18.71	18.78	18.72				
5	HQAM	12	7	18.61	18.78	18.79	17.5			0
5	HQAM	12	13	18.69	18.70	18.73				
5	HQAM	25	0	18.81	18.82	18.77				
5	HQAM	25	12	18.78	18.67	18.80	17.5			0
5	HQAM	25	25	18.74	18.84	18.85				
5	256QAM	1	0	18.84	18.69	18.80	17.5			0
5	256QAM	1	12	18.71	18.68	18.80				
5	256QAM	1	24	18.84	18.69	18.71				
5	256QAM	12	0	18.78	18.81	18.80				
5	256QAM	12	7	18.62	18.73	18.75	17.5			0
5	256QAM	12	13	18.68	18.79	18.84				
5	256QAM	25	0	18.80	18.79	18.84				
5	256QAM	25	12	18.78	18.67	18.80	17.5			0
5	256QAM	25	25	18.79	18.89	18.90				

Band 41 Ant4 DS1 ENDC											
BW (MHz)	Modulation	RB Size	RB Offset	Power Channel 40185	Power Channel 40160	Power Channel 40300	Power Channel 40325	Power Channel 41685	Power Channel 41660	Tune-up freq (MHz)	MPR (dB)
Channel				38750	40185	40300	41685	41680			
Frequency (MHz)											
20	QPSK	1	0	18.26	18.28	18.42	18.36	18.26			
20	QPSK	1	49	18.92	18.92	18.31	18.30	18.17	18	0	
20	QPSK	1	99	18.24	18.92	18.27	18.30	18.18			
20	QPSK	50	0	18.15	18.16	18.41	18.28	18.33			
20	QPSK	50	24	18.36	18.02	18.19	18.21	18.30			
20	QPSK	50	74	18.24	18.18	18.41	18.23	18.30			
20	QPSK	100	0	18.14	18.00	18.39	18.04	18.34			
20	QPSK	100	25	18.24	18.02	18.39	18.23	18.30			
20	16QAM	1	49	18.90	18.10	18.01	18.36	18.21			
20	16QAM	1	99	18.20	18.23	18.02	18.12	18.10			
20	16QAM	50	0	18.21	18.38	18.07	18.28	18.15			
20	16QAM	50	24	18.24	18.19	18.09	18.26	18.19			
20	16QAM	50	74	18.24	18.19	18.09	18.26	18.19			
20	16QAM	100	0	18.21	18.41	18.08	18.31	18.04			
20	64QAM	1	0	18.06	18.39	18.39	18.04	18.06			
20	64QAM	1	49	18.90	18.02	18.01	18.36	18.21	18	0	
20	64QAM	1	99	18.03	18.23	18.10	18.36	18.27			
20	64QAM	50	0	18.36	18.17	18.10	18.10	18.13			
20	64QAM	50	24	18.36	18.17	18.10	18.10	18.13			
20	64QAM	50	74	18.36	18.17	18.10	18.10	18.13			
20	64QAM	100	0	18.28	18.00	18.17	18.23	18.06			
20	64QAM	100	25	18.36	18.17	18.10	18.10	18.13			
20	256QAM	1	0	18.10	18.37	18.28	18.31	18.05			
20	256QAM	1	49	18.30	18.35	18.00	18.25	18.06			
20	256QAM	1	99	18.27	18.12	18.14	18.18	18.35			
20	256QAM	50	0	18.14	18.04	18.17	18.18	18.19			
20	256QAM	50	24	18.14	18.00	18.11	18.17	18.19			
20	256QAM	50	74	18.14	18.00	18.11	18.17	18.19			
20	256QAM	100	0	18.20	18.11	18.12	18.20	18.15	18	0	
20	256QAM	100	25	18.20	18.11	18.12	18.20	18.15			
Channel				38750	40185	40300	41685	41680	Tune-up freq (MHz)	MPR (dB)	
Frequency (MHz)											
15	QPSK	1	0	2491.5	2494.5	2503	2491.5	2491.5			
15	QPSK	1	49	18.24	18.26	18.34	18.23	18.32	18	0	
15	QPSK	1	99	18.46	18.25	18.44	18.28	18.38			
15	QPSK	1	194	18.10	18.02	18.23	18.29	18.00			
15	QPSK	50	0	18.36	18.34	18.36	18.34	18.36			
15	QPSK	50	24	18.41	18.19	18.33	18.36	18.28			
15	QPSK	50	74	18.23	18.34	18.34	18.41	18.22			
15	QPSK	50	124	18.41	18.25	18.25	18.41	18.31			
15	16QAM	1	0	18.41	18.36	18.39	18.23	18.28			
15	16QAM	1	49	18.90	18.20	18.19	18.36	18.19			
15	16QAM	1	99	18.20	18.20	18.39	18.36	18.19			
15	16QAM	50	0	18.08	18.17	18.18	18.02	18.21			
15	16QAM	50	24	18.37	18.37	18.38	18.37	18.38	18	0	
15	16QAM	50	74	18.36	18.21	18.27	18.23	18.04			
15	16QAM	50	124	18.20	18.20	18.20	18.20	18.00			
15	16QAM	100	0	18.27	18.39	18.39	18.23	18.31			
15	16QAM	100	25	18.28	18.10	18.23	18.22	18.23			
15	64QAM	1	0	18.36	18.36	18.36	18.36	18.36	18	0	
15	64QAM	50	0	18.41	18.38	18.31	18.40	18.21			
15	64QAM	50	24	18.20	18.25	18.19	18.26	18.35			
15	64QAM	50	74	18.20	18.34	18.34	18.40	18.40			
15	64QAM	100	0	18.32	18.21	18.24	18.31	18.40			
15	256QAM	1	0	18.36	18.36	18.36	18.36	18.36			
15	256QAM	1	49	18.20	18.40	18.27	18.34	18.25			
15	256QAM	1	99	18.08	18.41	18.06	18.40	18.25			
15	256QAM	50	0	18.20	18.25	18.38	18.22	18.37			
15	256QAM	50	24	18.30	18.30	18.30	18.30	18.30			
15	256QAM	50	74	18.30	18.20	18.30	18.20	18.41			
15	256QAM	100	0	18.30	18.30	18.30	18.30	18.30			
Channel				38750	40160	40300	41680	41660	Tune-up freq (MHz)	MPR (dB)	
Frequency (MHz)											
15	QPSK	1	0	18.30	18.32	18.34	18.36	18.37			
15	QPSK	1	49	18.92	18.24	18.18	18.31	18.01	18	0	
15	QPSK	1	99	18.20	18.40	18.34	18.34	18.34			
15	QPSK	25	0	18.11	18.07	18.39	18.31	18.28			
15	QPSK	25	12	18.27	18.26	18.19	18.23	18.19			
15	QPSK	25	12	18.27	18.26	18.19	18.23	18.19	18	0	
15	QPSK	50	0	18.18	18.28	18.39	18.39	18.39			
15	QPSK	50	18	18.21	18.38	18.24	18.39	18.19			
15	16QAM	1	49	18.91	18.23	18.18	18.33	18.39			
15	16QAM	1	99	18.10	18.41	18.14	18.39	18.39			
15	16QAM	1	194	18.30	18.20	18.20	18.20	18.20			
15	16QAM	50	0	18.27	18.20	18.20	18.36	18.22			
15	16QAM	50	1	18.27	18.27	18.31	18.41	18.24			
15	16QAM	50	24	18.30	18.30	18.34	18.37	18.31	18	0	
15	16QAM	50	74	18.29	18.39	18.38	18.35	18.18			
15	16QAM	25	0	18.30	18.40	18.34	18.41	18.36			
15	16QAM	25	12	18.32	18.32	18.36	18.39	18.34			
15	16QAM	25	12	18.32	18.32	18.36	18.39	18.34			
15	256QAM	1	0	18.13	18.20	18.27	18.33	18.28			
15	256QAM	1	24	18.36	18.39	18.40	18.31	18.32			
15	256QAM	1	24	18.36	18.39	18.40	18.31	18.32	18	0	
15	256QAM	50	0	18.30	18.23	18.29	18.28	18.29			
15	256QAM	50	1	18.30	18.23	18.21	18.21	18.30			
15	256QAM	50	24	18.30	18.25	18.40	18.36	18.40			
15	256QAM	100	0	18.34	18.36	18.27	18.36	18.40			
Channel				38750	40160	40300	41680	41660	Tune-up freq (MHz)	MPR (dB)	
Frequency (MHz)											
15	QPSK	1	0	18.34	18.40	18.40	18.34	18.36			
15	QPSK	1	49	18.92	18.24	18.18	18.31	18.01	18	0	
15	QPSK	1	99	18.21	18.22	18.34	18.30	18.31			
15	QPSK	12	0	18.20	18.20	18.39	18.39	18.39			
15	QPSK	12	7	18.20	18.20	18.39	18.29	18.29			
15	QPSK	12	13	18.34	18.22	18.19	18.40	18.28			
15	QPSK	12	19	18.30	18.20	18.39	18.29	18.29			
15	16QAM	1	0	18.29	18.32	18.29	18.32	18.35			
15	16QAM	1	49	18.92	18.24	18.18	18.31	18.01	18	0	
15	16QAM	1	99	18.27	18.28	18.19	18.39	18.24			
15	16QAM	12	0	18.24	18.40	18.39	18.31	18.35			
15	16QAM	12	13	18.27	18.35	18.32	18.40	18.29			
15	16QAM	12	19	18.20	18.40	18.41	18.19	18.38			
15	16QAM	25	0	18.23	18.36	18.34	18.40	18.26			
15	16QAM	25	13	18.30	18.30	18.39	18.39	18.39			
15	64QAM	1	12	18.34	18.33	18.21	18.25	18.24			
15	64QAM	1	124	18.41	18.21	18.21	18.41	18.31			
15	64QAM	12	0	18.21	18.35	18.41	18.33	18.38			
15	64QAM	12	7	18.37	18.30	18.20	18.23	18.35			
15	64QAM	12	13	18.37	18.41	18.39	18.39	18.41	18	0	
15	64QAM	25	0	18.30	18.38	18.21	18.21	18.19			
15	64QAM	25	13	18.33	18.33	18.33	18.33	18.41			
15	256QAM	1	12	18.30	18.26	18.31	18.23	18.32			
15	256QAM	1	124	18.34	18.18	18.34	18.41	18.32			
15	256QAM	12	0	18.28	18.38	18.38	18.38	18.40			
15	256QAM	12	7	18.30	18.37	18.35	18.19	18.32			
15	256QAM	12	13	18.34	18.40	18.30	18.34	18.21			

Band 4 Ant5 DS1i ENDC											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power High Ch./Frac.	Power High Ch./Frac.	Power High Ch./Frac.	Turn-up [ms]	APR [dB]		
Channel											
Frequency [MHz]											
20	QPSK	1	0	14.06	14.20	13.96		15.5	0		
20	QPSK	1	40	14.07	13.97	14.00					
20	QPSK	1	80	14.20	14.13	13.94					
20	QPSK	1	120	14.38	14.17	13.87					
20	QPSK	50	0	13.97	14.11	14.01		15.5	0		
20	QPSK	50	50	13.93	14.09	13.85					
20	QPSK	100	0	14.13	14.04	13.95					
20	QPSK	100	1	14.11	14.18	13.74					
20	HQAM	1	40	13.82	13.97	13.84		15.5	0		
20	HQAM	1	90	14.06	14.07	13.90					
20	HQAM	50	0	14.14	13.72	14.01					
20	HQAM	50	50	14.01	13.97	13.94					
20	HQAM	100	0	14.20	13.99	13.75		15.5	0		
20	HQAM	100	1	14.03	14.08	14.00					
20	BQAM	1	40	14.03	14.02	14.00					
20	BQAM	1	90	13.86	14.11	14.08					
20	BQAM	50	0	14.03	14.02	14.00		15.5	0		
20	BQAM	50	24	14.01	14.20	13.90					
20	BQAM	50	50	13.92	13.87	14.10					
20	BQAM	100	0	14.13	14.04	13.95					
Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>											
Frequency [MHz]											
15	QPSK	1	0	13.90	14.20	13.82		15.5	0		
15	QPSK	1	37	14.00	13.92	13.86					
15	QPSK	1	74	14.22	13.93	13.88					
15	QPSK	36	0	14.05	13.98	13.88					
15	QPSK	36	20	13.76	14.03	14.02		15.5	0		
15	QPSK	36	36	13.70	14.08	13.74					
15	QPSK	75	0	13.88	14.08	13.78					
15	HQAM	1	0	14.13	14.01	13.83					
15	HQAM	1	37	13.64	13.98	13.66		15.5	0		
15	HQAM	1	74	14.07	14.01	13.86					
15	HQAM	36	0	14.17	14.17	14.18					
15	HQAM	36	20	14.23	14.24	14.09					
15	HQAM	36	36	14.18	14.14	14.14		15.5	0		
15	HQAM	75	0	13.92	13.85	13.73					
15	BQAM	1	0	13.97	14.04	13.76					
15	BQAM	1	37	13.85	13.98	13.77			15.5	0	
15	BQAM	1	74	13.77	13.71	13.82					
15	BQAM	36	0	14.05	14.10	14.07					
15	BQAM	36	20	14.10	14.09	14.11			15.5	0	
15	BQAM	36	36	14.06	14.17	14.00					
15	BQAM	75	0	14.16	13.91	13.72					
15	ZBQAM	1	0	13.74	13.86	13.65			15.5	0	
15	ZBQAM	1	37	14.04	14.01	13.91					
15	ZBQAM	1	74	14.07	13.97	13.85					
15	ZBQAM	36	0	13.97	13.97	13.85					
15	ZBQAM	36	20	13.97	14.19	13.73		15.5	0		
15	ZBQAM	36	36	14.00	14.00	14.00					
15	ZBQAM	75	0	13.95	14.02	13.81					
15	ZBQAM	75	0	14.00	14.02	13.81					
Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>											
Frequency [MHz]											
10	QPSK	1	0	14.15	14.10	14.14		15.5	0		
10	QPSK	1	25	14.21	14.00	14.01					
10	QPSK	1	40	14.08	14.08	14.08					
10	QPSK	25	0	14.05	14.03	13.71			15.5	0	
10	QPSK	25	12	13.83	14.04	14.01					
10	QPSK	25	25	13.87	14.04	14.03					
10	QPSK	50	0	13.92	14.08	14.00		15.5	0		
10	QPSK	50	1	14.00	13.98	13.87					
10	HQAM	1	0	13.97	13.98	13.87					
10	HQAM	1	40	13.85	13.87	13.70			15.5	0	
10	HQAM	1	80	14.00	14.00	14.00					
10	HQAM	25	12	14.10	14.01	14.18					
10	HQAM	25	25	14.00	14.18	14.20		15.5	0		
10	HQAM	50	0	13.87	13.78	13.86					
10	BQAM	1	0	13.94	14.01	13.58					
10	BQAM	1	25	13.75	13.86	13.79			15.5	0	
10	BQAM	25	0	13.94	14.01	13.58					
10	BQAM	25	12	13.70	13.86	13.79					
10	BQAM	50	0	14.00	14.18	14.00			15.5	0	
10	BQAM	50	12	14.06	14.10	14.20					
10	BQAM	50	25	14.11	14.17	14.02					
10	BQAM	50	50	14.22	14.10	14.04			15.5	0	
10	BQAM	100	0	14.02	14.10	14.04					
10	BQAM	100	1	14.07	14.00	14.00					
10	ZBQAM	1	0	13.97	13.98	13.82		15.5	0		
10	ZBQAM	1	40	13.84	13.83	13.71					
10	ZBQAM	1	80	13.86	13.86	13.74					
10	ZBQAM	25	12	14.10	14.15	14.14					
10	ZBQAM	25	25	14.01	14.03	14.00		15.5	0		
10	ZBQAM	50	0	14.18	14.17	14.16					
10	ZBQAM	50	12	14.02	14.10	14.04					
10	ZBQAM	50	25	14.03	14.10	14.04					
Channel <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>											
Frequency [MHz]											
5	QPSK	1	0	14.04	14.02	13.93		15.5	0		
5	QPSK	1	12	14.00	13.85	13.80					
5	QPSK	1	24	14.23	13.95	13.80					
5	QPSK	1	40	14.00	13.85	13.85			15.5	0	
5	QPSK	12	7	13.85	14.01	13.83					
5	QPSK	12	13	13.75	14.08	13.76					
5	QPSK	36	0	13.97	13.98	13.79		15.5	0		
5	HQAM	1	0	13.98	14.02	13.89					
5	HQAM	1	12	13.95	13.98	13.84					
5	HQAM	1	24	13.97	13.98	13.82			15.5	0	
5	HQAM	12	0	13.97	13.88	13.92					
5	HQAM	12	7	14.07	13.87	13.88					
5	HQAM	12	13	13.95	14.00	13.95			15.5	0	
5	HQAM	25	0	13.80	13.81	13.65					
5	HQAM	25	1	14.10	14.09	13.74					
5	HQAM	1	12	13.93	13.88	13.80			15.5	0	
5	HQAM	1	24	13.77	13.71	13.58					
5	HQAM	12	5	14.08	14.10	14.00					
5	HQAM	12	7	14.20	14.21	14.11		15.5	0		
5	HQAM	12	13	14.20	14.21	14.11					
5	HQAM	25	0	14.02	14.02	14.22					
5	HQAM	25	1	14.01	14.00	14.00			15.5	0	
5	ZBQAM	1	0	14.04	14.01	13.89		15.5	0		
5	ZBQAM	1	12	14.07	13.97	13.82					
5	ZBQAM	1	24	14.23	13.94	13.79					
5	ZBQAM	12	7	13.85	14.01	13.83					
5	ZBQAM	12	13	13.75	14.08	13.76		15.5	0		
5	ZBQAM	36	0	13.93	13.98	13.77					
5	ZBQAM	36	20	13.76	14.03	14.02					
5	ZBQAM	36	36	13.70	14.08	13.74			15.5	0	
5	ZBQAM	75	0	13.88	14.08	13.78					
5	ZBQAM	75	0	14.13	14.01	13.83					
5	ZBQAM	15	0	13.93	13.78	13.77			15.5	0	
5	ZBQAM	15	1	14.07	14.01	14.08					
5	ZBQAM	15	14	14.16	14.03	14.06					
5	ZBQAM	15	1	14.01	14.01	14.01			15.5	0	
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88		15.5	0		
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8	14.03	14.04	13.88					
5	ZBQAM	15	8								

Band 38 Ant5 DS11 ENDC													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up time (min)	MPR (dB)					
Channel				37650	38000	38150							
Frequency (MHz)				25950	25950	26100							
20	QPSK	1	0	15.79	15.92	15.74	17	0					
20	QPSK	1	49	15.87	15.76	15.85							
20	QPSK	1	99	15.76	15.80	15.89							
20	QPSK	50	0	15.43	15.52	15.49	17	0					
20	QPSK	50	24	15.56	15.35	15.29							
20	QPSK	50	50	15.59	15.68	15.72							
20	QPSK	100	0	15.81	15.75	15.33	17	0					
20	HQAM	1	49	15.43	15.43	15.39							
20	HQAM	1	49	15.72	15.44	15.67							
20	HQAM	1	99	15.36	15.76	15.26	17	0					
20	HQAM	50	0	15.75	15.59	15.67							
20	HQAM	50	24	15.63	15.83	15.77							
20	HQAM	50	50	15.66	15.74	15.71	17	0					
20	HQAM	100	0	15.71	15.46	15.24							
20	HQAM	1	0	15.47	15.65	15.56	17	0					
20	HQAM	1	49	15.92	15.51	15.27							
20	HQAM	1	99	15.45	15.47	15.44							
20	HQAM	50	24	15.72	15.56	15.45	17	0					
20	HQAM	50	50	15.55	15.55	15.40							
20	HQAM	100	0	15.69	15.41	15.47							
20	SSBQAM	1	0	15.84	15.77	15.77	17	0					
20	SSBQAM	1	49	15.79	15.65	15.64							
20	SSBQAM	1	99	15.69	15.66	15.71							
20	SSBQAM	50	0	15.26	15.46	15.63	17	0					
20	SSBQAM	50	24	15.61	15.32	15.27							
20	SSBQAM	50	50	15.80	15.54	15.63							
20	SSBQAM	100	0	15.59	15.60	15.56	17	0					
Channel				25973.5	25950	26123.5							
Frequency (MHz)				15.78	15.78	15.63							
15	QPSK	1	0	15.78	15.78	15.63	17	0					
15	QPSK	1	37	15.80	15.78	15.68							
15	QPSK	1	74	15.69	15.77	15.75							
15	QPSK	36	0	15.43	15.58	15.46	17	0					
15	QPSK	36	20	15.52	15.31	15.29							
15	QPSK	36	39	15.44	15.56	15.66							
15	QPSK	36	58	15.44	15.65	15.17	17	0					
15	HQAM	1	0	15.28	15.21	15.20							
15	HQAM	1	20	15.46	15.46	15.27							
15	HQAM	1	74	15.21	15.61	15.20	17	0					
15	HQAM	36	0	15.83	15.64	15.62							
15	HQAM	36	20	15.74	15.34	15.73							
15	HQAM	36	39	15.63	15.82	15.77	17	0					
15	HQAM	75	0	15.60	15.31	15.16							
15	HQAM	1	0	15.41	15.58	15.38							
15	HQAM	1	37	15.61	15.34	15.13	17	0					
15	HQAM	36	0	15.49	15.37	15.37							
15	HQAM	36	20	15.53	15.40	15.40							
15	HQAM	36	39	15.23	15.56	15.50	17	0					
15	HQAM	36	58	15.38	15.53	15.20							
15	HQAM	75	0	15.68	15.24	15.45							
15	SSBQAM	1	0	15.72	15.53	15.51	17	0					
15	SSBQAM	1	37	15.74	15.53	15.51							
15	SSBQAM	1	74	15.81	15.74	15.74							
15	SSBQAM	36	0	15.60	15.62	15.70	17	0					
15	SSBQAM	36	20	15.78	15.74	15.63							
15	SSBQAM	75	0	15.25	15.43	15.37							
Channel				37650	38000	38050							
Frequency (MHz)				25973.5	25950	26123.5							
10	QPSK	1	0	15.83	15.79	15.81	17	0					
10	QPSK	1	25	15.74	15.61	15.64							
10	QPSK	1	49	15.76	15.71	15.81							
10	QPSK	25	0	15.67	15.70	15.63	17	0					
10	QPSK	25	12	15.81	15.69	15.81							
10	QPSK	25	37	15.73	15.63	15.71							
10	QPSK	50	0	15.62	15.64	15.77	17	0					
10	HQAM	1	20	15.64	15.63	15.63							
10	HQAM	1	25	15.71	15.63	15.73							
10	HQAM	1	49	15.81	15.64	15.66	17	0					
10	HQAM	25	0	15.68	15.78	15.77							
10	HQAM	25	12	15.67	15.64	15.70							
10	HQAM	50	20	15.65	15.76	15.62	17	0					
10	HQAM	50	25	15.63	15.48	15.14							
10	HQAM	1	0	15.32	15.50	15.40							
10	HQAM	1	20	15.63	15.51	15.13	17	0					
10	HQAM	1	49	15.42	15.38	15.34							
10	HQAM	25	0	15.79	15.62	15.66							
10	HQAM	25	12	15.81	15.62	15.63	17	0					
10	HQAM	50	25	15.67	15.78	15.60							
10	HQAM	50	50	15.69	15.21	15.26							
10	SSBQAM	1	0	15.73	15.65	15.74	17	0					
10	SSBQAM	1	25	15.77	15.65	15.70							
10	SSBQAM	1	49	15.63	15.62	15.67							
10	SSBQAM	25	0	15.24	15.55	15.59	17	0					
10	SSBQAM	25	12	15.59	15.25	15.17							
10	SSBQAM	25	25	15.54	15.56	15.50							
10	SSBQAM	50	0	15.28	15.59	15.51	17	0					
Channel				25973.5	25950	26123.5							
Frequency (MHz)				15.46	15.76	15.50							
5	QPSK	1	12	15.46	15.46	15.32	17	0					
5	QPSK	1	24	15.46	15.62	15.77							
5	QPSK	12	0	15.39	15.66	15.47							
5	QPSK	12	7	15.37	15.54	15.24	17	0					
5	QPSK	12	13	15.53	15.51	15.61							
5	QPSK	25	0	15.62	15.66	15.21							
5	HQAM	1	0	15.39	15.23	15.21	17	0					
5	HQAM	1	12	15.68	15.44	15.58							
5	HQAM	1	24	15.39	15.61	15.16							
5	HQAM	12	0	15.63	15.80	15.73	17	0					
5	HQAM	12	7	15.73	15.75	15.67							
5	HQAM	12	13	15.61	15.67	15.63							
5	HQAM	25	0	15.57	15.28	15.14	17	0					
5	HQAM	1	0	15.36	15.60	15.35							
5	HQAM	1	12	15.43	15.33	15.15							
5	HQAM	1	24	15.28	15.42	15.26	17	0					
5	HQAM	12	0	15.57	15.41	15.48							
5	HQAM	12	7	15.60	15.73	15.74							
5	HQAM	12	13	15.62	15.74	15.75	17	0					
5	HQAM	25	0	15.78	15.43	15.63							
5	HQAM	25	12	15.68	15.48	15.28							
5	SSBQAM	1	12	15.77	15.72	15.62	17	0					
5	SSBQAM	1	24	15.69	15.72	15.66							
5	SSBQAM	12	0	15.68	15.74	15.75							
5	SSBQAM	12	7	15.87	15.78	15.63	17	0					
5	SSBQAM	12	13	15.84	15.62	15.66							
5	SSBQAM	25	0	15.39	15.50	15.50							

GSM850 Amd DSSS Default							
Channel	Power Average Power (dBm)			Power Average Power (dBm)			
TV Channel	Min	Max	Limit	Min	Max	Limit	
Frequency (MHz)	254.2	371.8	381.8	254.2	371.8	381.8	
GSM 1 Tx airt	25.19	32.10	32.08	33.50	23.19	23.18	24.90
GSM 1 Tx airt	32.35	32.29	32.32	33.50	23.35	23.29	24.50
GSM 2 Tx airt	25.13	32.07	32.00	33.50	23.13	23.07	24.50
GSM 3 Tx airt	27.63	27.23	27.15	28.50	23.37	22.97	24.24
GPRS 1 Tx airt	26.36	26.14	26.30	27.50	22.34	22.14	24.50
EDGE 1 Tx airt	26.33	26.17	26.12	27.33	17.33	17.17	18.50
EDGE 2 Tx airt	23.30	23.12	23.01	24.50	17.30	17.12	18.50
EDGE 3 Tx airt	23.37	23.12	23.04	22.50	17.31	17.48	18.24
EDGE 4 Tx airt	20.33	20.28	20.19	21.50	17.33	17.28	18.50

WCDMA V Amd DSSS Default						
Band	WCDMA V			Power Limit		
TV Channel	41.52	41.52	42.53			
TV Channel	44.57	44.57	44.58			
Frequency (MHz)	45.50	45.50	46.50			
SCPP Rel 80	24.34	24.43	24.25	25.50		
SCPP Rel 80	24.30	24.40	24.27	25.50		
SCPP Rel 80	23.32	23.29	23.41	24.50		
SCPP Rel 80	23.34	23.41	23.27	24.50		
SCPP Rel 80	22.26	22.24	22.14	24.50		
SCPP Rel 80	22.03	22.01	22.07	24.50		
SCPP Rel 80	23.43	23.44	23.28	24.50		
SCPP Rel 80	22.85	22.81	22.25	24.50		
SCPP Rel 80	22.85	22.85	22.80	24.50		
SCPP Rel 80	22.75	22.88	22.07	24.50		
SCPP Rel 80	23.39	23.40	23.28	24.50		
SCPP Rel 80	21.42	21.40	21.35	25.50		
SCPP Rel 80	22.32	22.05	22.28	25.50		
SCPP Rel 80	21.47	21.44	21.43	25.50		
SCPP Rel 80	21.32	21.42	21.28	24.50		

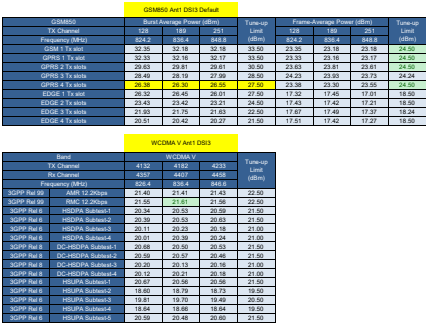
Band 4 Ant0 DS13 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (dBm)	Power High Ch / Freq. (dBm)	
Channel											
Frequency (MHz)	0	1	2	3	4	5	6	7	8	9	
20	QPSK	1	0	21.83	21.87	21.85					
20	QPSK	1	48	21.83	21.85	21.84			23.5	0	
20	QPSK	1	96	21.81	21.83	21.82					
20	QPSK	50	0	20.84	20.83	20.85					
20	QPSK	50	24	20.95	20.94	20.99			22.5	1	
20	QPSK	50	50	20.94	20.90	20.99					
20	QPSK	100	0	20.88	20.88	20.86					
20	16QAM	1	0	21.08	21.09	21.09					
20	16QAM	1	48	21.18	21.12	21.18			22.5	1	
20	16QAM	1	96	20.91	20.97	20.92					
20	16QAM	50	0	20.92	20.97	20.96					
20	16QAM	50	24	21.08	21.06	21.08					
20	16QAM	50	50	20.95	20.86	20.84			21.5	2	
20	16QAM	100	0	20.95	20.85	20.85					
20	16QAM	1	48	20.97	20.85	20.89					
20	16QAM	1	96	20.88	20.82	20.82					
20	16QAM	50	24	20.84	20.80	20.84			20.5	3	
20	16QAM	50	50	20.81	20.86	20.86					
20	16QAM	100	0	20.82	20.80	20.80					
20	256QAM	1	0	17.08	16.94	16.99			18.5	5	
20	256QAM	1	48	16.95	16.83	16.81					
20	256QAM	1	96	16.83	16.80	16.80					
20	256QAM	50	0	17.12	17.18	16.87					
20	256QAM	50	24	16.95	16.85	16.85					
20	256QAM	50	50	17.02	16.98	16.95					
20	256QAM	100	0	16.93	17.22	17.16					
Channel											
Frequency (MHz)	1717.5	1732.5	1747.5	1762.5	1777.5	1792.5	1807.5	1822.5	1837.5	1852.5	MFR (dB)
15	QPSK	1	0	21.72	21.70	21.75			23.5	0	
15	QPSK	1	48	21.73	21.65	21.65					
15	QPSK	1	96	21.65	21.62	21.61					
15	QPSK	36	0	20.87	20.87	20.83					
15	QPSK	36	36	20.77	20.82	20.82			22.5	1	
15	QPSK	36	72	20.73	20.70	20.84					
15	QPSK	75	0	20.88	20.77	20.86					
15	QPSK	75	36	20.88	20.81	20.81			22.5	1	
15	16QAM	1	27	21.08	21.10	21.12					
15	16QAM	1	54	21.08	21.08	21.08					
15	16QAM	36	18	19.87	19.86	19.79			21.5	2	
15	16QAM	36	54	19.88	19.87	19.74					
15	16QAM	75	0	19.85	19.74	19.83					
15	16QAM	1	0	20.07	20.05	20.06					
15	16QAM	1	54	20.04	20.03	20.03					
15	16QAM	1	108	19.84	19.84	19.84					
15	16QAM	36	36	19.91	19.87	19.86			20.5	3	
15	16QAM	36	72	19.82	19.80	19.80					
15	16QAM	36	108	19.88	19.77	19.78					
15	256QAM	1	0	16.94	16.94	16.96					
15	256QAM	1	54	16.88	16.86	16.85					
15	256QAM	1	108	16.78	16.74	16.72					
15	256QAM	36	0	17.12	17.17	16.87					
15	256QAM	36	36	16.88	16.78	16.77					
15	256QAM	36	72	16.80	16.78	16.71					
15	256QAM	75	0	16.83	17.27	17.08					
Channel											
Frequency (MHz)	1715	1732.5	1750	1767.5	1785	1802.5	1820	1837.5	1855	1872.5	MFR (dB)
10	QPSK	1	0	21.82	21.80	21.82			23.5	0	
10	QPSK	1	25	21.84	21.74	21.71					
10	QPSK	1	50	21.84	21.74	21.71					
10	QPSK	25	0	20.88	20.80	20.88					
10	QPSK	25	12	20.73	20.85	20.78			22.5	1	
10	QPSK	25	25	20.88	20.79	20.78					
10	QPSK	50	0	20.87	20.80	20.78					
10	16QAM	1	0	20.87	21.05	21.07					
10	16QAM	1	25	21.05	21.05	21.17			22.5	1	
10	16QAM	1	49	20.84	20.80	20.87					
10	16QAM	50	0	20.88	20.80	20.87					
10	16QAM	50	12	19.75	19.70	19.73			21.5	2	
10	16QAM	50	25	19.82	19.67	19.61					
10	16QAM	50	37	19.78	19.70	19.78					
10	16QAM	1	0	20.01	19.80	19.81					
10	16QAM	1	25	19.85	19.77	19.86					
10	16QAM	1	50	19.80	19.80	19.80					
10	16QAM	25	0	19.81	19.80	19.78			20.5	3	
10	16QAM	25	12	19.88	19.86	19.85					
10	16QAM	25	25	19.88	19.85	19.85					
10	16QAM	50	0	19.84	19.80	19.80					
10	256QAM	1	0	16.91	16.75	16.75					
10	256QAM	1	49	16.82	16.71	16.69					
10	256QAM	1	99	16.75	16.67	16.67					
10	256QAM	1	148	16.77	16.70	16.68					
10	256QAM	25	0	16.87	16.70	16.67					
10	256QAM	25	12	16.80	16.72	16.72					
10	256QAM	25	25	16.87	16.70	16.67					
10	256QAM	50	0	16.80	17.17	17.07					
Channel											
Frequency (MHz)	1997.5	2012.5	2027.5	2042.5	2057.5	2072.5	2087.5	2102.5	2117.5	2132.5	MFR (dB)
5	QPSK	1	0	21.84	21.74	21.72			23.5	0	
5	QPSK	1	12	21.84	21.81	21.87					
5	QPSK	1	24	21.68	21.59	21.68					
5	QPSK	12	7	20.74	20.84	20.82			22.5	1	
5	QPSK	12	19	20.94	20.85	20.86					
5	QPSK	24	0	20.72	20.80	20.84					
5	16QAM	1	0	20.92	20.87	21.01			22.5	1	
5	16QAM	1	12	21.02	21.02	21.02					
5	16QAM	1	24	20.84	20.80	20.85					
5	16QAM	12	0	19.80	19.81	19.84			21.5	2	
5	16QAM	12	12	19.81	19.79	19.80					
5	16QAM	12	13	19.74	19.71	19.80					
5	16QAM	25	0	19.85	19.83	19.88			20.5	3	
5	16QAM	25	12	19.80	19.80	19.84					
5	16QAM	1	12	19.72	19.67	19.68					
5	16QAM	1	24	19.86	19.80	19.74					
5	16QAM	12	7	19.78	19.63	19.78					
5	16QAM	12	19	19.76	19.65	19.62					
5	256QAM	1	0	17.08	16.72	16.72			18.5	5	
5	256QAM	1	49	16.70	16.62	16.62					
5	256QAM	1	98	16.70	16.62	16.62					
5	256QAM	1	147	16.72	16.70	16.68					
5	256QAM	1	24	16.72	16.70	16.70					
5	256QAM	12	0	17.07	16.88	16.78					
5	256QAM	12	7	16.80	16.80	16.78					
5	256QAM	12	13	16.80	16.82	16.72					
5	256QAM	25	0	16.87	16.87	16.76					
5	256QAM	25	12	16.80	16.72	16.72					
5	256QAM	25	25	16.87	16.70	16.67					
5	256QAM	50	0	16.80	17.17	17.07					
Channel											
Frequency (MHz)	1711.5	1731.5	1751.5	1771.5	1791.5	1811.5	1831.5	1851.5	1871.5	1891.5	MFR (dB)
1.4	QPSK	1	0	21.70	21.60	21.65			23.5	0	
1.4	QPSK	1	3	21.69	21.71	21.63					
1.4	QPSK	1	6	21.54	21.70	21.78					
1.4	QPSK	3	0	21.85	21.80	21.85			22.5	1	
1.4	QPSK	3	1	21.64	21.76	21.82					
1.4	QPSK	3	2	21.86	21.76	21.86					
1.4	QPSK	6	0	20.84	20.84	20.86			22.5	1	
1.4	QPSK	6	3	20.84	20.86	20.86					
1.4	QPSK	6	6	21.18	21.17	21.12			22.5	1	
1.4	16QAM	1	5	20.88	20.88	20.78					
1.4	16QAM	1	11	20.81	20.84	20.77					
1.4	16QAM	3	0	20.80	20.84	20.76			21.5	2	
1.4	16QAM	3	1	20.81	20.86	20.80					
1.4	16QAM	3	2	20.80	20.80	20.80					
1.4	16QAM	6	0	20.80	20.80	20.80			21.5	2	
1.4	16QAM	6	3	20.81	20.84	20.77					
1.4	16QAM	6	6	20.80	20.80	20.80					
1.4	16QAM	12	0	20.80	20.80	20.81					
1.4	16QAM	12	3	20.80	20.80	20.80					
1.4	16QAM	12	6	20.80	20.80	20.80					
1.4	16QAM	24	0	20.80	20.80	20.81					
1.4	16QAM	24	3	20.80	20.80	20.80					
1.4	16QAM	24	6	20.80	20.80	20.80					
1.4	16QAM</										

Band 13 Ant0 DS13 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Time-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]									
10	QPSK	1	0	23.28	23.28	23.28	24.5	0	
10	QPSK	1	25	23.32	23.32	23.32			
10	QPSK	1	49	23.35	23.35	23.35			
10	QPSK	25	0	23.48	23.48	23.48	23.5	1	
10	QPSK	25	25	23.44	23.44	23.44			
10	QPSK	25	12	23.52	23.52	23.52			
10	WQAM	1	0	23.28	23.28	23.28	23.5	1	
10	WQAM	1	25	23.45	23.45	23.45			
10	WQAM	1	49	23.38	23.38	23.38			
10	WQAM	25	0	23.49	23.49	23.49	22.5	2	
10	WQAM	25	12	23.52	23.52	23.52			
10	WQAM	25	25	23.44	23.44	23.44			
10	SSBQAM	1	0	18.46	18.46	18.46	19.5	5	
10	SSBQAM	1	49	18.45	18.45	18.45			
10	SSBQAM	1	49	18.50	18.50	18.50			
10	SSBQAM	25	0	18.51	18.51	18.51	19.5	5	
10	SSBQAM	25	12	18.42	18.42	18.42			
10	SSBQAM	25	25	18.44	18.44	18.44			
10	SSBQAM	50	0	18.53	18.53	18.53			
10	SSBQAM	50	0	18.53	18.53	18.53			
10	SSBQAM	50	0	18.53	18.53	18.53			
Channel									
Frequency [MHz]									
5	QPSK	1	0	23.18	23.23	23.21	24.5	0	
5	QPSK	1	13	23.25	23.25	23.28			
5	QPSK	1	24	23.22	23.28	23.30			
5	QPSK	12	0	22.40	22.35	22.39			
5	QPSK	12	7	22.34	22.38	22.44	23.5	1	
5	QPSK	12	13	22.48	22.44	22.48			
5	QPSK	25	0	22.35	22.40	22.51			
5	QPSK	25	0	22.17	22.19	22.25			
5	WQAM	1	12	22.38	22.38	22.37	23.5	1	
5	WQAM	1	12	22.38	22.38	22.37			
5	WQAM	12	5	21.43	21.41	21.48			
5	WQAM	12	7	21.49	21.43	21.47			
5	WQAM	12	13	21.55	21.45	21.44	22.5	2	
5	WQAM	25	0	21.41	21.41	21.48			
5	WQAM	1	0	21.42	21.47	21.51			
5	WQAM	1	19	21.58	21.57	21.63			
5	WQAM	1	24	21.45	21.59	21.46	21.5	3	
5	WQAM	12	0	20.47	20.44	20.41			
5	WQAM	12	7	20.45	20.43	20.43			
5	WQAM	12	13	20.38	20.34	20.35			
5	SSBQAM	1	0	18.37	18.45	18.27	19.5	5	
5	SSBQAM	1	12	18.29	18.22	18.25			
5	SSBQAM	12	0	18.40	18.23	18.27			
5	SSBQAM	12	7	18.35	18.44	18.21			
5	SSBQAM	12	13	18.34	18.24	18.44	19.5	5	
5	SSBQAM	25	0	18.39	18.32	18.33			
5	SSBQAM	25	0	18.39	18.32	18.33			
5	SSBQAM	25	0	18.39	18.32	18.33			

Band 17 Ant0 DS13 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.30	24.30	24.25	25.5	0	
10	QPSK	1	25	24.29	24.31	24.21			
10	QPSK	1	49	24.28	24.25	24.15			
10	QPSK	25	0	23.27	23.40	23.28			
10	QPSK	25	12	23.26	23.37	23.23	24.5	1	
10	QPSK	25	25	23.25	23.24	23.27			
10	QPSK	50	0	23.32	23.38	23.34			
10	WQAM	1	0	23.29	23.31	23.31			
10	WQAM	1	25	23.18	23.17	23.22	24.5	1	
10	WQAM	1	49	23.16	23.19	23.18			
10	WQAM	25	0	22.44	22.39	22.44			
10	WQAM	25	12	22.18	22.21	22.18			
10	WQAM	25	25	22.26	22.28	22.22	23.5	2	
10	WQAM	50	0	22.41	22.35	22.38			
10	WQAM	1	0	22.51	22.51	22.51			
10	WQAM	1	25	22.24	22.28	22.37			
10	WQAM	1	49	22.16	22.15	22.15	22.5	3	
10	WQAM	25	0	21.25	21.23	21.28			
10	WQAM	25	12	21.14	21.15	21.20			
10	WQAM	25	25	21.28	21.26	21.34			
10	SSBQAM	1	0	19.37	19.44	19.17	20.5	5	
10	SSBQAM	1	25	19.35	19.35	19.29			
10	SSBQAM	1	25	19.36	19.45	19.31			
10	SSBQAM	25	0	19.35	19.40	19.30			
10	SSBQAM	25	12	19.37	19.44	19.17			
10	SSBQAM	25	25	19.27	19.21	19.23			
10	SSBQAM	50	0	19.35	19.29	19.29			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.18	24.18	24.19	25.5	0	
5	QPSK	1	14	23.28	24.32	23.55			
5	QPSK	1	28	23.27	24.33	23.54	25.5	0	
5	QPSK	12	0	23.14	23.18	23.18			
5	QPSK	12	7	23.28	23.29	23.30	25.5	0	
5	QPSK	12	14	23.15	23.11	23.14			
5	QPSK	25	0	23.28	23.24	23.19	24.5	1	
5	QPSK	25	12	23.16	23.21	23.27			
5	WQAM	1	0	23.13	23.13	23.13			
5	WQAM	1	25	23.14	23.08	23.09			
5	WQAM	12	0	23.21	23.23	23.24	23.5	2	
5	WQAM	12	7	23.22	23.22	23.22			
5	WQAM	12	14	22.21	22.22	22.27			
5	WQAM	12	21	22.27	22.22	22.23			
5	WQAM	1	0	21.03	21.08	21.02	23.5	2	
5	WQAM	1	12	22.09	22.14	22.26			
5	WQAM	1	24	21.04	21.04	21.04			
5	WQAM	12	0	21.31	21.22	21.32			
5	WQAM	12	7	21.00	21.13	21.06	22.5	3	
5	WQAM	12	14	21.05	21.05	21.05			
5	WQAM	12	21	21.05	21.18	21.17			
5	WQAM	25	0	20.03	20.41	20.20			
5	SSBQAM	1	0	19.27	19.36	19.10	20.5	5	
5	SSBQAM	1	24	19.33	19.32	19.26			
5	SSBQAM	1	24	19.33	19.42	19.15			
5	SSBQAM	12	7	19.18	19.42	19.24			
5	SSBQAM	12	13	19.11	19.39	19.12	20.5	5	
5	SSBQAM	12	19	19.11	19.39	19.12			
5	SSBQAM	12	25	19.11	19.39	19.12			
5	SSBQAM	12	31	19.11	19.39	19.12			

Band 38 Ant0 DS13(only on channel required)										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.66	21.67	21.68				
20	QPSK	1	49	21.67	21.68	21.69	23	0		
20	QPSK	1	98	21.68	21.69	21.70				
20	QPSK	50	0	20.78	20.79	20.80				
20	QPSK	50	49	20.79	20.80	20.81	22	1		
20	QPSK	50	98	20.80	20.81	20.82				
20	QPSK	100	0	20.82	20.83	20.84				
20	QPSK	100	49	20.83	20.84	20.85	22	1		
20	QPSK	100	98	20.84	20.85	20.86				
20	QPSK	50	0	19.45	19.46	19.47				
20	QPSK	50	49	19.46	19.47	19.48	21	2		
20	QPSK	50	98	19.47	19.48	19.49				
20	QPSK	100	0	19.49	19.50	19.51				
20	QPSK	100	49	19.50	19.51	19.52	21	2		
20	QPSK	100	98	19.51	19.52	19.53				
20	QPSK	50	0	18.25	18.26	18.27				
20	QPSK	50	49	18.26	18.27	18.28	20	3		
20	QPSK	50	98	18.27	18.28	18.29				
20	QPSK	100	0	18.29	18.30	18.31				
20	QPSK	100	49	18.30	18.31	18.32	18	5		
20	QPSK	100	98	18.31	18.32	18.33				
20	QPSK	50	0	16.55	16.56	16.57				
20	QPSK	50	49	16.56	16.57	16.58	18	5		
20	QPSK	50	98	16.57	16.58	16.59				
20	QPSK	100	0	16.59	16.60	16.61				
20	QPSK	100	49	16.60	16.61	16.62	18	5		
20	QPSK	100	98	16.61	16.62	16.63				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.73	21.74	21.75				
15	QPSK	1	32	21.73	21.74	21.75	23	0		
15	QPSK	1	74	21.74	21.75	21.76				
15	QPSK	36	0	20.51	20.52	20.53				
15	QPSK	36	39	20.51	20.52	20.53	22	1		
15	QPSK	36	78	20.52	20.53	20.54				
15	QPSK	100	0	20.59	20.60	20.61				
15	QPSK	100	49	20.59	20.60	20.61	22	1		
15	QPSK	100	98	20.60	20.61	20.62				
15	QPSK	50	0	19.23	19.24	19.25				
15	QPSK	50	36	19.23	19.24	19.25	21	2		
15	QPSK	50	72	19.24	19.25	19.26				
15	QPSK	100	0	18.03	18.04	18.05				
15	QPSK	100	36	18.03	18.04	18.05	21	2		
15	QPSK	100	72	18.04	18.05	18.06				
15	QPSK	50	0	16.83	16.84	16.85				
15	QPSK	50	36	16.83	16.84	16.85	20	3		
15	QPSK	50	72	16.84	16.85	16.86				
15	QPSK	100	0	15.63	15.64	15.65				
15	QPSK	100	36	15.63	15.64	15.65	18	5		
15	QPSK	100	72	15.64	15.65	15.66				
15	QPSK	50	0	14.43	14.44	14.45				
15	QPSK	50	36	14.43	14.44	14.45	18	5		
15	QPSK	50	72	14.44	14.45	14.46				
15	QPSK	100	0	13.23	13.24	13.25				
15	QPSK	100	36	13.23	13.24	13.25	21	2		
15	QPSK	100	72	13.24	13.25	13.26				
15	QPSK	50	0	12.03	12.04	12.05				
15	QPSK	50	36	12.03	12.04	12.05	20	3		
15	QPSK	50	72	12.04	12.05	12.06				
15	QPSK	100	0	10.83	10.84	10.85				
15	QPSK	100	36	10.83	10.84	10.85	18	5		
15	QPSK	100	72	10.84	10.85	10.86				
15	QPSK	50	0	9.63	9.64	9.65				
15	QPSK	50	36	9.63	9.64	9.65	18	5		
15	QPSK	50	72	9.64	9.65	9.66				
15	QPSK	100	0	8.43	8.44	8.45				
15	QPSK	100	36	8.43	8.44	8.45	20	3		
15	QPSK	100	72	8.44	8.45	8.46				
15	QPSK	50	0	7.23	7.24	7.25				
15	QPSK	50	36	7.23	7.24	7.25	18	5		
15	QPSK	50	72	7.24	7.25	7.26				
15	QPSK	100	0	6.03	6.04	6.05				
15	QPSK	100	36	6.03	6.04	6.05	18	5		
15	QPSK	100	72	6.04	6.05	6.06				
15	QPSK	50	0	4.83	4.84	4.85				
15	QPSK	50	36	4.83	4.84	4.85	18	5		
15	QPSK	50	72	4.84	4.85	4.86				
15	QPSK	100	0	3.63	3.64	3.65				
15	QPSK	100	36	3.63	3.64	3.65	18	5		
15	QPSK	100	72	3.64	3.65	3.66				
15	QPSK	50	0	2.43	2.44	2.45				
15	QPSK	50	36	2.43	2.44	2.45	23	0		
15	QPSK	50	72	2.44	2.45	2.46				
15	QPSK	100	0	1.23	1.24	1.25				
15	QPSK	100	36	1.23	1.24	1.25	22	1		
15	QPSK	100	72	1.24	1.25	1.26				
15	QPSK	50	0	0.03	0.04	0.05				
15	QPSK	50	36	0.03	0.04	0.05	22	1		
15	QPSK	50	72	0.04	0.05	0.06				
15	QPSK	100	0	-0.17	-0.18	-0.19				
15	QPSK	100	36	-0.17	-0.18	-0.19	22	1		
15	QPSK	100	72	-0.18	-0.19	-0.20				
15	QPSK	50	0	-0.37	-0.38	-0.39				
15	QPSK	50	36	-0.37	-0.38	-0.39	22	1		
15	QPSK	50	72	-0.38	-0.39	-0.40				
15	QPSK	100	0	-0.57	-0.58	-0.59				
15	QPSK	100	36	-0.57	-0.58	-0.59	22	1		
15	QPSK	100	72	-0.58	-0.59	-0.60				
15	QPSK	50	0	-0.77	-0.78	-0.79				
15	QPSK	50	36	-0.77	-0.78	-0.79	22	1		
15	QPSK	50	72	-0.78	-0.79	-0.80				
15	QPSK	100	0	-0.97	-0.98	-0.99				
15	QPSK	100	36	-0.97	-0.98	-0.99	22	1		
15	QPSK	100	72	-0.98	-0.99	-1.00				
15	QPSK	50	0	-1.17	-1.18	-1.19				
15	QPSK	50	36	-1.17	-1.18	-1.19	22	1		
15	QPSK	50	72	-1.18	-1.19	-1.20				
15	QPSK	100	0	-1.37	-1.38	-1.39				
15	QPSK	100	36	-1.37	-1.38	-1.39	22	1		
15	QPSK	100	72	-1.38	-1.39	-1.40				
15	QPSK	50	0	-1.57	-1.58	-1.59				
15	QPSK	50	36	-1.57	-1.58	-1.59	22	1		
15	QPSK	50	72	-1.58	-1.59	-1.60				
15	QPSK	100	0	-1.77	-1.78	-1.79				
15	QPSK	100	36	-1.77	-1.78	-1.79	22	1		
15	QPSK	100	72	-1.78	-1.79	-1.80				
15	QPSK	50	0	-1.97	-1.98	-1.99				
15	QPSK	50	36	-1.97	-1.98	-1.99	22	1		
15	QPSK	50	72	-1.98	-1.99	-2.00				
15	QPSK	100	0	-2.17	-2.18	-2.19				
15	QPSK	100	36	-2.17	-2.18	-2.19	22	1		
15	QPSK	100	72	-2.18	-2.19	-2.20				
15	QPSK	50	0	-2.37	-2.38	-2.39				
15	QPSK	50	36	-2.37	-2.38	-2.39	22	1		
15	QPSK	50	72	-2.38	-2.39	-2.40				
15	QPSK	100	0	-2.57	-2.58	-2.59				
15	QPSK	100	36	-2.57	-2.58	-2.59	22	1		
15	QPSK	100	72	-2.58	-2.59	-2.60				
15	QPSK	50	0	-2.77	-2.78	-2.79				
15	QPSK	50	36	-2.77	-2.78	-2.79	22	1		
15	QPSK	50	72	-2.78	-2.79	-2.80				
15	QPSK	100	0	-2.97	-2.98	-2.99				
15	QPSK	100	36	-2.97	-2.98	-2.99	22	1		
15	QPSK	100	72	-2.98	-2.99	-3.00				
15	QPSK	50	0	-3.17	-3.18	-3.19				
15	QPSK	50	36	-3.17	-3.18	-3.19	22	1		
15	QPSK	50	72	-3.18	-3.19	-3.20				
15	QPSK	100	0	-3.37	-3.38	-3.39				
15	QPSK	100	36	-3.37	-3.38	-3.39	22	1		
15	QPSK	100	72	-3.38	-3.39	-3.40				
15	QPSK	50	0	-3.57	-3.58	-3.59				
15	QPSK	50	36	-3.57	-3.58	-3.59	22	1		
15	QPSK	50	72	-3.58	-3.59	-3.60				
15	QPSK	100	0	-3.77	-3.78	-3.79				
15	QPSK	100	36	-3.77	-3.78	-3.79	22	1		
15	QPSK	100	72	-3.78	-3.79	-3.80				
15	QPSK	50	0	-3.97	-3.98	-3.99				
15	QPSK	50	36	-3.97	-3.98	-3.99	22	1		
15	QPSK	50	72	-3.98	-3.99	-4.00				
15	QPSK	100	0	-4.17	-4.18	-4.19				
15	QPSK	100	36	-4.17	-4.18	-4.19	22	1		
15	QPSK	100	72	-4.18	-4.19					

Band 48 Ant0 DSI3_FCC														
RF (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 freq (MHz)	MFR (dB)					
Channel				55840	55850	55850	55846							
Frequency (MHz)				3590	3590	3601	3598							
20	QPSK	1	0	21.35	21.40	21.43	21.29	23	0					
20	QPSK	1	40	21.42	21.44	21.24	21.40							
20	QPSK	1	80	21.44	21.46	21.35	21.43							
20	QPSK	30	0	20.52	20.52	20.58	20.48							
20	QPSK	30	34	20.58	20.46	20.50	20.61	22	1					
20	QPSK	30	68	20.59	20.53	20.61	20.59							
20	QPSK	100	0	20.42	20.48	20.45	20.58							
20	16QAM	1	0	20.63	20.57	20.55	20.57							
20	16QAM	1	40	20.71	20.64	20.68	20.65	22	1					
20	16QAM	1	80	20.58	20.59	20.57	20.59							
20	16QAM	30	0	19.63	19.67	19.67	19.65							
20	16QAM	30	34	19.64	19.59	19.60	19.67							
20	16QAM	30	68	19.65	19.46	19.46	19.52	21	2					
20	16QAM	100	0	19.47	19.52	19.48	19.54							
20	64QAM	1	0	19.60	19.57	19.57	19.64							
20	64QAM	1	40	19.42	19.36	19.46	19.42							
20	64QAM	1	80	19.55	19.46	19.46	19.55	21	2					
20	64QAM	30	0	18.61	18.52	18.50	18.64							
20	64QAM	30	34	18.49	18.51	18.50	18.55							
20	64QAM	50	50	18.66	18.60	18.64	18.64							
20	64QAM	100	0	18.55	18.46	18.51	18.55	20	3					
20	256QAM	1	0	18.67	18.48	18.48	18.34							
20	256QAM	1	40	18.47	18.63	18.34	18.49							
20	256QAM	1	80	18.52	18.56	18.37	18.62							
20	256QAM	30	0	18.61	18.77	18.74	18.48	18	5					
20	256QAM	30	34	18.63	18.50	18.55	18.67							
20	256QAM	30	68	18.60	18.61	18.78	18.70							
20	256QAM	100	0	18.54	18.58	18.44	18.50							
Channel				55910	55910	55910	55910							
Frequency (MHz)				3597.5	3600	3602	3600.5							
15	QPSK	1	0	21.51	21.40	21.42	21.24	23	0					
15	QPSK	1	40	21.51	21.53	21.52	21.57							
15	QPSK	1	74	21.51	21.55	21.29	21.40							
15	QPSK	30	0	20.48	20.45	20.47	20.41							
15	QPSK	30	30	20.45	20.40	20.43	20.39	22	1					
15	QPSK	30	60	20.48	20.40	20.49	20.44							
15	QPSK	1	0	20.37	20.30	20.31	20.28							
15	16QAM	1	0	20.52	20.54	20.50	20.47							
15	16QAM	1	37	20.58	20.56	20.56	20.55	22	1					
15	16QAM	1	74	20.52	20.43	20.52	20.52							
15	16QAM	30	0	19.55	19.55	19.64	19.65							
15	16QAM	30	20	19.58	19.51	19.47	19.57							
15	16QAM	30	30	19.37	19.41	19.43	19.43	21	2					
15	16QAM	75	0	19.35	19.45	19.40	19.40							
15	64QAM	1	0	19.49	19.51	19.48	19.58							
15	64QAM	1	37	19.38	19.29	19.41	19.53							
15	64QAM	1	74	19.47	19.42	19.36	19.51	21	2					
15	64QAM	30	0	18.55	18.56	18.55	18.50							
15	64QAM	30	20	18.38	18.47	18.35	18.50							
15	64QAM	30	30	18.52	18.47	18.53	18.49							
15	64QAM	70	0	18.49	18.32	18.48	18.41	20	3					
15	256QAM	1	0	18.42	18.42	18.42	18.42							
15	256QAM	1	37	18.35	18.27	18.27	18.45							
15	256QAM	1	74	18.52	18.52	18.17	18.56							
15	256QAM	30	0	18.50	18.63	18.64	18.35	18	5					
15	256QAM	30	20	18.58	18.54	18.42	18.48							
15	256QAM	30	30	18.67	18.51	18.71	18.59							
15	256QAM	70	0	18.49	18.43	18.24	18.35							
Channel				55990	55990	56000	56000							
Frequency (MHz)				3599.5	3600	3603	3600.5							
10	QPSK	1	0	21.27	21.44	21.41	21.24	23	0					
10	QPSK	1	25	21.35	21.53	21.13	21.53							
10	QPSK	1	40	21.41	21.45	21.24	21.52							
10	QPSK	20	0	20.53	20.46	20.52	20.38							
10	QPSK	25	12	20.48	20.32	20.50	20.43	22	1					
10	QPSK	25	25	20.54	20.45	20.51	20.45							
10	QPSK	30	0	20.35	20.37	20.37	20.25							
10	16QAM	1	0	20.56	20.44	20.42	20.51							
10	16QAM	1	25	20.82	20.58	20.64	20.60	22	1					
10	16QAM	1	40	20.44	20.54	20.52	20.44							
10	16QAM	20	0	19.48	19.54	19.66	19.65							
10	16QAM	20	12	19.56	19.54	19.52	19.49							
10	16QAM	20	20	19.41	19.44	19.52	19.51	21	2					
10	16QAM	30	0	19.41	19.42	19.39	19.41							
10	64QAM	1	0	19.48	19.49	19.45	19.61							
10	64QAM	1	20	19.33	19.32	19.36	19.30							
10	64QAM	25	0	18.57	18.54	18.61	18.59	20	3					
10	64QAM	25	12	18.44	18.40	18.38	18.48							
10	64QAM	25	25	18.57	18.54	18.60	18.51							
10	64QAM	30	0	18.49	18.32	18.50	18.41							
10	256QAM	1	0	18.51	18.38	18.43	18.52	18	5					
10	256QAM	1	25	18.52	18.40	18.23	18.58							
10	256QAM	1	40	18.52	18.53	18.17	18.47							
10	256QAM	20	0	18.47	18.50	18.75	18.49							
10	256QAM	25	12	18.64	18.57	18.57	18.64	18	5					
10	256QAM	25	25	18.56	18.47	18.74	18.68							
10	256QAM	30	0	18.43	18.58	18.32	18.59							
Channel				55995	55995	56003	56003							
Frequency (MHz)				3599.5	3600	3603	3600.5							
5	QPSK	1	0	21.22	21.58	21.41	21.15	23	0					
5	QPSK	1	12	21.52	21.50	21.11	21.28							
5	QPSK	1	24	21.37	21.35	21.22	21.50							
5	QPSK	12	0	20.55	20.39	20.45	20.20							
5	QPSK	12	7	20.42	20.43	20.38	20.45	22	1					
5	QPSK	12	13	20.54	20.49	20.51	20.50							
5	QPSK	20	0	20.42	20.34	20.34	20.34							
5	16QAM	1	0	20.85	20.46	20.48	20.47							
5	16QAM	1	12	20.64	20.50	20.64	20.52	22	1					
5	16QAM	1	24	20.53	20.48	20.46	20.49							
5	16QAM	12	0	19.51	19.54	19.60	19.59							
5	16QAM	20	7	19.61	19.55	19.45	19.60							
5	16QAM	12	13	19.40	19.45	19.38	19.52	21	2					
5	16QAM	25	0	19.38	19.44	19.39	19.45							
5	64QAM	1	0	19.48	19.46	19.53	19.68							
5	64QAM	1	12	19.31	19.30	19.39	19.33	21	2					
5	64QAM	1	20	19.33	19.32	19.36	19.30							
5	64QAM	1	24	19.54	19.50	19.59	19.50							
5	64QAM	12	7	19.35	19.48	19.39	19.50	20	3					
5	64QAM	12	13	18.57	18.52	18.59	18.63							
5	64QAM	20	0	18.45	18.42	18.44	18.45							
5	64QAM	25	0	18.47	18.48	18.48	18.48	18	5					
5	64QAM	25	12	18.59	18.60	18.53	18.58							
5	256QAM	1	0	18.61	18.56	18.55	18.57							
5	256QAM	1	12	18.50	18.73	18.73	18.68	18	5					
5	256QAM	1	24	18.41	18.56	18.55	18.57							
5	256QAM	12	7	18.61	18.61	18.61	18.62							
5	256QAM	12	13	18.63	18.51	18.62	18.61	18	5					
5	256QAM	12	20	18.52	18.51	18.65	18.51							
5	256QAM	20	0	18.45	18.45	18.45	18.45							



Band 5 Ant1 DS3											
Site Band	Modulation	File Size	File Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on Time (s)	MFR (dB)
Chemical											
Frequency (MHz)				25600	25600	25600	25600	25600	25600		
				Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6		
10	QPSK	1	0	-20.56	-21.36	-21.10	-20.89	-20.65	-20.44	22.5	0
10	QPSK	1	48	-20.57	-21.18	-21.08	-20.89	-20.65	-20.44		
10	QPSK	25	0	-20.56	-22.28	-21.10	-20.89	-20.65	-20.44	22.5	0
10	QPSK	25	48	-20.57	-21.27	-21.08	-20.89	-20.65	-20.44		
10	QPSK	25	248	-20.83	-21.13	-21.08	-20.89	-20.65	-20.44	22.5	0
10	QPSK	25	0	-20.81	-21.21	-21.10	-20.89	-20.65	-20.44		
10	QPSK	25	48	-20.82	-21.22	-21.10	-20.89	-20.65	-20.44	22.5	0
10	QPSK	25	248	-21.05	-21.11	-21.08	-20.89	-20.65	-20.44		
10	QPSK	25	12	-20.62	-21.00	-20.87	-20.79	-20.65	-20.44	22.5	0
10	QPSK	25	48	-20.62	-21.27	-21.08	-20.89	-20.65	-20.44		
10	QPSK	25	248	-20.82	-20.87	-20.79	-20.79	-20.65	-20.44	22.5	0
10	QPSK	25	12	-20.62	-21.52	-21.00	-20.79	-20.65	-20.44		
10	QPSK	25	48	-20.62	-21.52	-21.00	-20.79	-20.65	-20.44	22.5	0
10	QPSK	25	248	-20.87	-21.11	-21.08	-20.84	-20.65	-20.44		
10	QPSK	25	0	-20.87	-21.11	-21.08	-20.84	-20.65	-20.44	22.5	0
10	QPSK	25	48	-20.87	-21.11	-21.08	-20.84	-20.65	-20.44		
10	QPSK	25	248	-20.87	-21.11	-21.08	-20.84	-20.65	-20.44	22.5	0
10	QPSK	25	0	-18.56	-19.16	-19.16	-18.94	-18.70	-18.46		
10	QPSK	25	48	-18.57	-19.27	-19.08	-18.94	-18.70	-18.46	20.5	2
10	QPSK	25	248	-18.79	-18.98	-18.94	-18.70	-18.46	-18.21		
10	QPSK	25	12	-18.53	-18.41	-18.24	-18.08	-17.90	-17.72	20.5	2
10	QPSK	25	48	-18.53	-18.41	-18.24	-18.08	-17.90	-17.72		
10	QPSK	25	248	-18.74	-18.14	-18.10	-17.90	-17.72	-17.54	20.5	2
10	QPSK	25	0	-18.74	-18.14	-18.10	-17.90	-17.72	-17.54		
10	QPSK	25	48	-18.74	-18.14	-18.10	-17.90	-17.72	-17.54		
Chemical											
Frequency (MHz)				826.5	826.5	826.5	826.5	826.5	826.5	Turn-on Time (s)	MFR (dB)
5	QPSK	1	0	-21.04	-21.14	-21.02	-20.92	-20.82	-20.72	22.5	0
5	QPSK	1	12	-20.86	-21.15	-21.04	-20.94	-20.84	-20.74		
5	QPSK	1	48	-20.87	-21.24	-21.14	-21.04	-20.94	-20.84	22.5	0
5	QPSK	12	0	-21.07	-21.22	-21.07	-20.97	-20.87	-20.77		
5	QPSK	12	48	-21.02	-21.27	-21.12	-21.02	-20.92	-20.82	22.5	0
5	QPSK	12	248	-21.25	-21.12	-21.02	-20.92	-20.82	-20.72		
5	QPSK	25	0	-20.69	-21.15	-21.08	-20.98	-20.88	-20.78	22.5	0
5	QPSK	25	48	-20.71	-21.22	-21.12	-21.02	-20.92	-20.82		
5	QPSK	25	248	-20.97	-21.02	-21.02	-20.92	-20.82	-20.72	22.5	0
5	QPSK	25	12	-20.71	-20.88	-20.88	-20.78	-20.68	-20.58		
5	QPSK	25	48	-20.71	-20.88	-20.78	-20.68	-20.58	-20.48	22.5	0
5	QPSK	25	248	-20.97	-21.05	-21.05	-20.95	-20.85	-20.75		
5	QPSK	25	0	-21.04	-21.16	-21.08	-20.97	-20.87	-20.77	22.5	0
5	QPSK	25	48	-21.05	-21.21	-21.11	-21.01	-20.91	-20.81		
5	QPSK	25	248	-21.31	-21.11	-21.07	-20.97	-20.87	-20.77	22.5	0
5	QPSK	25	12	-20.92	-21.24	-21.02	-20.92	-20.82	-20.72		
5	QPSK	25	48	-20.92	-21.24	-21.02	-20.92	-20.82	-20.72	22.5	0
5	QPSK	25	248	-21.18	-21.18	-21.08	-20.98	-20.88	-20.78		
5	QPSK	25	0	-20.76	-21.26	-21.08	-20.97	-20.87	-20.77	22.5	0
5	QPSK	25	48	-20.76	-21.26	-21.08	-20.97	-20.87	-20.77		
5	QPSK	25	248	-20.97	-20.88	-20.78	-20.68	-20.58	-20.48	20.5	2
5	QPSK	25	12	-18.52	-19.18	-19.18	-18.94	-18.70	-18.46		
5	QPSK	25	48	-18.52	-19.18	-19.18	-18.94	-18.70	-18.46	20.5	2
5	QPSK	25	248	-18.79	-18.92	-18.92	-18.68	-18.44	-18.20		
5	QPSK	25	12	-18.50	-18.25	-18.08	-17.92	-17.76	-17.60	20.5	2
5	QPSK	25	48	-18.50	-18.25	-18.08	-17.92	-17.76	-17.60		
5	QPSK	25	248	-18.76	-18.19	-18.16	-18.00	-17.84	-17.67	20.5	2
5	QPSK	25	0	-18.76	-18.19	-18.16	-18.00	-17.84	-17.67		
5	QPSK	25	48	-18.76	-18.19	-18.16	-18.00	-17.84	-17.67		
Chemical											
Frequency (MHz)				20467	20467	20467	20467	20467	20467	Turn-on Time (s)	MFR (dB)
1.4	QPSK	1	0	-20.59	-21.25	-21.07	-20.87	-20.67	-20.47	22.5	0
1.4	QPSK	1	48	-20.67	-21.19	-21.09	-20.84	-20.64	-20.44		
1.4	QPSK	1	8	-20.61	-21.20	-21.10	-20.85	-20.65	-20.45	22.5	0
1.4	QPSK	1	24	-20.60	-21.20	-21.10	-20.85	-20.65	-20.45		
1.4	QPSK	1	48	-20.61	-21.21	-21.11	-20.86	-20.66	-20.46	22.5	0
1.4	QPSK	1	8	-20.61	-21.21	-21.11	-20.86	-20.66	-20.46		
1.4	QPSK	1	24	-20.61	-21.21	-21.11	-20.86	-20.66	-20.46	22.5	0
1.4	QPSK	1	0	-21.01	-21.32	-21.02	-20.81	-20.61	-20.41		
1.4	QPSK	1	48	-21.02	-21.33	-21.03	-20.82	-20.62	-20.42	22.5	0
1.4	QPSK	1	8	-21.02	-21.33	-21.03	-20.82	-20.62	-20.42		
1.4	QPSK	1	24	-21.02	-21.33	-21.03	-20.82	-20.62	-20.42	22.5	0
1.4	QPSK	1	0	-20.95	-21.24	-21.10	-20.84	-20.64	-20.44		
1.4	QPSK	1	48	-20.96	-21.25	-21.11	-20.85	-20.65	-20.45	22.5	0
1.4	QPSK	1	8	-20.96	-21.25	-21.11	-20.85	-20.65	-20.45		
1.4	QPSK	1	24	-20.96	-21.25	-21.11	-20.85	-20.65	-20.45	22.5	0
1.4	QPSK	1	0	-21.11	-21.26	-21.16	-20.91	-20.71	-20.51		
1.4	QPSK	1	48	-21.12	-21.27	-21.17	-20.92	-20.72	-20.52	22.5	0
1.4	QPSK	1	8	-21.12	-21.27	-21.17	-20.92	-20.72	-20.52		
1.4	QPSK	1	24	-21.12	-21.27	-21.17	-20.92	-20.72	-20.52	22.5	0
1.4	QPSK	1	0	-20.89	-21.21	-21.03	-20.83	-20.63	-20.43		
1.4	QPSK	1	48	-20.91	-21.20	-21.03	-20.83	-20.63	-20.43	22.5	0
1.4	QPSK	1	8	-20.91	-21.20	-21.03	-20.83	-20.63	-20.43		
1.4	QPSK	1	24	-20.91	-21.20	-21.03	-20.83	-20.63	-20.43	22.5	0
1.4	QPSK	1	0	-21.23	-21.23	-21.03	-20.83	-20.63	-20.43		
1.4	QPSK	1	48	-21.23	-21.23	-21.03	-20.83	-20.63	-20.43	22.5	0
1.4	QPSK	1	8	-21.23	-21.23	-21.03	-20.83	-20.63	-20.43		
1.4	QPSK	1	24	-21.23	-21.23	-21.03	-20.83	-20.63	-20.43	22.5	0
1.4	QPSK	1	0	-20.89	-21.16	-21.01	-20.76	-20.51	-20.26		
1.4	QPSK	1	48	-20.90	-21.17	-21.02	-20.77	-20.52	-20.27	22.5	0
1.4	QPSK	1	8	-20.90	-21.17	-21.02	-20.77	-20.52	-20.27		
1.4	QPSK	1	24	-20.90	-21.17	-21.02	-20.77	-20.52	-20.27	22.5	0
1.4	QPSK	1	0	-20.72	-20.96	-20.81	-20.54	-20.28	-20.02		
1.4	QPSK	1	48	-20.73	-20.97	-20.82	-20.55	-20.29	-20.03	22.5	0
1.4	QPSK	1	8	-20.73	-20.97	-20.82	-20.55	-20.29	-20.03		
1.4	QPSK	1	24	-20.73	-20.97	-20.82	-20.55	-20.29	-20.03	22.5	0
1.4	QPSK	1	0	-19.35	-19.08	-18.88	-18.67	-18.47	-18.27		
1.4	QPSK	1	48	-19.36	-19.09	-18.89	-18.68	-18.48	-18.28	20.5	2
1.4	QPSK	1	8	-19.36	-19.09	-18.89	-18.68	-18.48	-18.28		
1.4	QPSK	1	24	-19.36	-19.09	-18.89	-18.68	-18.48	-18.28	20.5	2
1.4	QPSK	1	0	-18.99	-19.36	-19.16	-18.91	-18.66	-18.41		
1.4	QPSK	1	48	-18.99	-19.36	-19.16	-18.91	-18.66	-18.41	20.5	2
1.4	QPSK	1	8	-18.99	-19.36	-19.16	-18.91	-18.66	-18.41		
1.4	QPSK	1	24	-18.99	-19.36	-19.16	-18.91	-18.66	-18.41	20.5	2
1.4	QPSK	1	0	-18.99	-19.36	-19.16	-18.91	-18.66	-18.41		

Band 12 Ant1 DS13 Default											
Ref	Band	Modulation	RB Size	RB Count	Power [dBm]	Power [dBm] Ch. 1	Power [dBm] Ch. 2	Power [dBm] Ch. 3	Total Power [dBm]	MPE [dB]	
Frequency (MHz)											
10	DS13	1	8	24	23.23	23.28	24.18		25.5	0	
10	DS13	1	48	24	18	24.08	24.01	24.11			
10	DS13	26	8	24	23.19	23.21	23.18				
10	DS13	26	48	24	23.12	23.12	23.11				
10	DS13	26	26	23	23.16	23.17	23.14		24.5	1	
10	DS13	50	6	24	23.12	23.12	23.18				
10	DS13	1	26	23	23.21	23.26	23.27		24.5	1	
10	DS13	1	48	24	23.04	23.33	23.04				
10	DS13	26	22	24	23.24	23.24	23.21				
10	DS13	26	12	23	23.15	23.15	23.18		23.5	2	
10	DS13	50	6	24	23.22	23.28	23.28				
10	DS13	50	6	24	22.29	23.18	23.17				
10	DS13	1	8	22	22.16	22.17	22.25				
10	DS13	1	48	24	22.17	22.17	22.15		23.5	1	
10	DS13	26	26	23	23.11	23.11	23.11				
10	DS13	50	6	24	21.25	21.11	21.13		22.5	5	
10	DS13	1	26	23	23.11	23.11	23.11				
10	DS13	1	48	24	23.14	23.21	23.17				
10	DS13	26	12	23	23.14	23.14	23.17				
10	DS13	50	6	24	23.22	23.31	23.28		20.5	5	
10	DS13	1	8	22	22.16	22.16	22.25				
10	DS13	1	48	24	22.16	22.16	22.17				
10	DS13	26	26	23	23.18	23.18	23.18		20.5	5	
10	DS13	50	6	24	23.10	23.27	23.11				
Frequency (MHz)											
6	DS13	1	8	24	23.07	24.19	24.08		25.5	0	
6	DS13	1	48	24	24.13	24.07	23.93				
6	DS13	12	8	24	23.12	23.18	23.18				
6	DS13	12	8	24	23.03	23.15	23.16				
6	DS13	12	13	23	23.12	23.12	23.12		24.5	1	
6	DS13	26	8	22	22.99	23.07	23.03				
6	DS13	26	12	23	23.03	23.03	23.03				
6	DS13	1	12	23	23.13	23.11	23.23		24.5	1	
6	DS13	1	24	23	23.25	23.24	23.23				
6	DS13	12	8	24	23.17	23.17	23.17				
6	DS13	12	7	24	23.19	23.19	23.27		23.5	2	
6	DS13	26	12	23	23.18	23.18	23.18				
6	DS13	26	12	23	22.18	22.18	22.18				
6	DS13	1	8	22	22.08	22.12	22.15				
6	DS13	1	48	24	22.07	22.07	22.07		23.5	2	
6	DS13	1	24	22	22.06	21.96	21.97				
6	DS13	12	8	24	21.10	21.10	21.17				
6	DS13	12	8	24	21.13	21.13	21.13		22.5	3	
6	DS13	12	13	23	21.18	21.06	21.10				
6	DS13	26	8	22	21.21	20.97	21.10				
6	DS13	26	12	23	20.94	20.94	20.94				
6	DS13	1	12	22	21.21	21.22	21.16		20.5	5	
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	1	24	22	21.20	21.20	21.20				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		22.5	3	
6	DS13	1	8	22	21.10	21.10	21.10				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				
6	DS13	1	48	24	21.20	21.21	21.21				
6	DS13	12	8	24	21.16	21.16	21.16		20.5	5	
6	DS13	12	13	23	21.14	21.06	21.10				
6	DS13	26	8	22	21.18	21.04	21.17				
6	DS13	26	12	23	21.08	21.07	21.07		20.5	5	
6	DS13	1	8	22	21.16	21.16	21.16				

Band 13 Ant1 DS3 Default									
SW (MHz)	Modulation	RB Size	RB Offset	Power CL / Ch / Freq	Power CL / Ch / Freq	Power CL / Ch / Freq	Power CL / Ch / Freq	Time Slot (Sec)	MPR (dB)
Down									
5	QPSK	1	0		23.33				
5	QPSK	1	8		23.28			24.5	0
5	QPSK	1	16		23.17				
5	QPSK	25	0		22.41				
5	QPSK	12	8		22.23			23.5	1
5	QPSK	25	0		22.22				
5	QPSK	50	0		22.36				
5	QPSK	12	16		22.48				
5	HQPSK	1	25		22.30			23.5	1
5	HQPSK	1	49		22.22				
5	HQPSK	25	0		22.22				
5	HQPSK	25	12		21.42			22.5	2
5	HQPSK	50	0		21.42				
5	HQPSK	50	0		21.42				
5	HQPSK	1	0		21.41				
5	HQPSK	1	25		21.33			22.5	2
5	HQPSK	1	49		21.54				
5	HQPSK	25	0		20.37				
5	HQPSK	25	12		20.44			21.5	3
5	HQPSK	25	25		20.41				
5	HQPSK	50	0		20.33				
5	HQPSK	50	0		18.34				
5	HQPSK	1	25		18.35			19.5	5
5	HQPSK	1	49		18.13				
5	HQPSK	25	0		18.30				
5	HQPSK	25	12		18.27			19.5	5
5	HQPSK	25	25		18.27				
5	HQPSK	50	0		18.30				
Up									
Frequency (MHz)				729.5	729.5	729.5	729.5	Time Slot (Sec)	MPR (dB)
5	QPSK	1	0	23.20	23.18	23.24	23.10		
5	QPSK	1	8	22.88	23.14	22.98		24.5	0
5	QPSK	1	16	22.88	23.14	22.98			
5	QPSK	12	0	22.16	22.24	22.32			
5	QPSK	12	8	22.31	22.25	22.46		23.5	1
5	QPSK	25	0	22.10	22.10	22.10			
5	QPSK	25	8	22.42	22.30	22.31			
5	QPSK	50	0	22.42	22.31	22.33			
5	QPSK	12	16	22.32	22.26	22.28		23.5	1
5	HQPSK	1	24	22.17	22.10	22.23			
5	HQPSK	1	48	22.18	22.15	21.24			
5	HQPSK	12	7	21.20	21.30	21.33		22.5	2
5	HQPSK	12	19	21.26	21.26	21.11			
5	HQPSK	25	0	21.41	21.37	21.29			
5	HQPSK	25	8	21.35	21.31	21.49			
5	HQPSK	25	24	21.07	21.47	21.48		22.5	3
5	HQPSK	50	0	20.41	20.38	20.26			
5	HQPSK	12	16	20.40	20.32	20.20		21.5	3
5	HQPSK	12	19	20.45	20.37	20.25			
5	HQPSK	25	0	20.52	20.10	20.24			
5	HQPSK	25	8	19.25	19.17	19.10			
5	HQPSK	1	12	18.11	18.11	17.94		19.5	5
5	HQPSK	1	24	18.11	18.00	18.08			
5	HQPSK	1	48	18.31	18.31	18.18			
5	HQPSK	12	7	18.10	18.14	18.20			
5	HQPSK	12	19	18.10	18.14	18.20		19.5	5
5	HQPSK	25	0	18.10	18.14	18.20			
5	HQPSK	25	8	15.10	15.04	15.20			

Band 17 Ant1 DS13 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int. (min)	MPR (dB)	
Channel				700	710	711			
Frequency (MHz)									
10	QPSK	1	0	24.16	24.22	24.13	25.0	0	
10	QPSK	1	25	24.03	24.05	24.11			
10	QPSK	1	49	24.10	24.11	24.21			
10	QPSK	25	0	23.09	23.09	23.30	24.0	1	
10	QPSK	25	12	23.09	23.29	23.33			
10	QPSK	25	25	23.08	23.35	23.28			
10	QPSK	50	0	23.12	23.18	23.15	24.0	1	
10	WQAM	1	0	23.12	23.14	23.13			
10	WQAM	1	25	23.27	23.27	23.39			
10	WQAM	1	49	23.41	23.38	23.48	24.0	1	
10	WQAM	25	0	22.22	22.19	22.23			
10	WQAM	25	12	22.09	22.07	22.02			
10	WQAM	25	25	22.21	22.09	22.12	23.0	2	
10	WQAM	50	0	22.17	22.11	22.18			
10	WQAM	1	0	22.11	22.09	22.20			
10	WQAM	1	25	22.25	22.23	22.38	23.0	2	
10	WQAM	1	49	22.24	22.16	22.13			
10	WQAM	25	0	21.13	21.11	21.14			
10	WQAM	25	12	21.03	21.28	21.25	22.0	3	
10	WQAM	25	25	21.26	21.30	21.27			
10	WQAM	50	0	21.08	21.14	21.11			
10	25QAM	1	0	19.25	19.38	19.28	20.0	5	
10	25QAM	1	25	19.30	19.24	19.22			
10	25QAM	1	49	19.21	19.14	19.21			
10	25QAM	25	0	19.07	19.32	19.25	20.0	5	
10	25QAM	25	12	19.25	19.24	19.18			
10	25QAM	25	25	19.20	19.23	19.22			
10	25QAM	50	0	19.06	19.14	19.05	20.0	5	
Channel				700.5	710	710.5			
Frequency (MHz)							Time-up Int. (min)	MPR (dB)	
5	QPSK	1	0	24.08	24.14	23.09	25.0	0	
5	QPSK	1	19	23.03	24.12	24.04			
5	QPSK	1	24	23.09	24.04	24.17			
5	QPSK	12	0	23.01	23.07	23.29	24.0	1	
5	QPSK	12	7	23.15	23.18	23.19			
5	QPSK	12	13	23.09	23.31	23.40			
5	QPSK	25	0	23.13	23.02	23.08	24.0	1	
5	WQAM	1	0	23.04	23.04	23.09			
5	WQAM	1	12	23.17	23.23	23.35			
5	WQAM	1	24	23.28	23.25	23.33	23.0	2	
5	WQAM	12	0	22.19	22.08	22.09			
5	WQAM	12	7	22.05	22.03	21.83			
5	WQAM	12	13	22.07	22.06	22.09	23.0	2	
5	WQAM	25	0	22.05	22.03	22.03			
5	WQAM	1	0	22.02	21.98	22.15			
5	WQAM	1	12	22.02	21.90	22.19	22.0	3	
5	WQAM	1	24	22.15	22.04	22.00			
5	WQAM	12	0	21.03	21.05	21.05			
5	WQAM	12	7	21.07	21.05	21.14	22.0	3	
5	WQAM	12	13	21.19	21.22	21.14			
5	WQAM	20	0	21.02	21.06	21.04			
5	25QAM	1	0	19.13	19.29	19.08	20.0	5	
5	25QAM	1	12	19.06	19.10	19.09			
5	25QAM	1	24	19.18	19.06	19.15			
5	25QAM	12	0	19.02	19.20	19.12	20.0	5	
5	25QAM	12	7	19.07	19.08	19.01			
5	25QAM	12	13	19.18	19.16	19.12			
5	25QAM	25	0	18.88	19.04	19.04			

Band 26 Ant1 DS13 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int. (min)	MPR (dB)	
Channel				811.5	811.5	841.5			
10	QPSK	1	0	24.20	24.14	24.18	25.0	0	
10	QPSK	1	37	24.13	24.17	24.05			
10	QPSK	1	74	24.10	24.11	24.11			
10	QPSK	36	0	23.40	23.43	23.32	24.0	1	
10	QPSK	36	20	23.38	23.25	23.34			
10	QPSK	36	36	23.27	23.29	23.32			
10	QPSK	72	0	23.37	23.42	23.21	24.0	1	
10	WQAM	1	0	23.33	23.31	23.49			
10	WQAM	1	37	23.25	23.24	23.24	24.0	1	
10	WQAM	1	74	23.25	23.30	23.35			
10	WQAM	36	0	22.24	22.27	22.29	23.0	2	
10	WQAM	36	20	22.22	22.16	22.22			
10	WQAM	36	36	22.33	22.29	22.31			
10	WQAM	72	0	22.25	22.20	22.30	23.0	2	
10	WQAM	1	0	22.43	22.36	22.31			
10	WQAM	1	37	22.38	22.37	22.29			
10	WQAM	1	74	22.29	22.21	22.28	22.0	3	
10	WQAM	36	0	21.30	21.28	21.42			
10	WQAM	36	20	21.44	21.33	21.39			
10	WQAM	36	36	21.24	21.22	21.38	20.0	5	
10	25QAM	1	0	19.38	19.31	19.19			
10	25QAM	1	37	19.30	19.31	19.18			
10	25QAM	1	74	19.28	19.17	19.25	20.0	5	
10	25QAM	36	0	19.33	19.37	19.27			
10	25QAM	36	20	19.12	19.18	19.27			
10	25QAM	36	36	19.24	19.25	19.25	20.0	5	
10	25QAM	72	0	19.22	19.39	19.13			
Channel				811.5	811.5	841.5	Time-up Int. (min)	MPR (dB)	
Frequency (MHz)				811.5	811.5	841.5			
10	QPSK	1	0	24.10	24.10	24.12	25.0	0	
10	QPSK	1	37	24.03	24.13	23.81			
10	QPSK	1	49	24.05	24.01	24.02			
10	QPSK	20	0	23.28	23.18	23.19	24.0	1	
10	QPSK	20	7	23.24	23.20	23.25			
10	QPSK	20	25	23.17	23.13	23.37			
10	QPSK	50	0	23.42	23.30	23.29	24.0	1	
10	WQAM	1	0	23.23	23.23	23.42			
10	WQAM	1	25	23.17	23.19	23.19			
10	WQAM	1	49	23.17	23.16	23.21	23.0	2	
10	WQAM	20	0	22.19	22.21	22.25			
10	WQAM	20	12	22.12	22.02	22.17			
10	WQAM	20	19	22.37	22.16	22.27	23.0	2	
10	WQAM	50	0	22.19	22.12	22.27			
10	WQAM	1	0	22.37	22.20	22.21			
10	WQAM	1	25	22.34	22.20	22.25	23.0	2	
10	WQAM	1	49	22.21	22.11	22.21			
10	WQAM	20	0	21.27	21.20	21.38	22.0	3	
10	WQAM	20	12	21.36	21.24	21.35			
10	WQAM	20	25	21.16	21.08	21.30			
10	WQAM	50	0	21.06	21.09	21.05	20.0	5	
10	25QAM	1	0	19.32	19.05	19.25			
10	25QAM	1	25	19.11	19.12	19.12			
10	25QAM	1	49	19.15	19.14	19.15	20.0	5	
10	25QAM	20	0	19.29	19.15	19.15			
10	25QAM	20	12	19.04	19.11	19.27			
10	25QAM	20	25	19.07	19.12	19.10	20.0	5	
10	25QAM	50	0	19.07	19.12	19.10			
10	25QAM	50	0	19.10	19.29	19.09			
Channel				2671.5	2671.5	2701.5	Time-up Int. (min)	MPR (dB)	
Frequency (MHz)				2671.5	2671.5	2701.5			
0	QPSK	1	0	24.09	24.12	24.07	25.0	0	
0	QPSK	1	12	24.05	24.04	23.99			
0	QPSK	1	24	24.03	23.99	24.05			
0	QPSK	12	0	23.25	23.27	23.27	24.0	1	
0	QPSK	12	7	23.21	23.25	23.25			
0	QPSK	12	25	23.13	23.13	23.33			
0	QPSK	50	0	23.41	23.33	23.32	24.0	1	
0	WQAM	1	0	23.27	23.24	23.36			
0	WQAM	1	25	23.21	23.21	23.30			
0	WQAM	1	49	23.22	23.19	23.28	23.0	2	
0	WQAM	20	0	22.19	22.22	22.26			
0	WQAM	20	12	22.12	22.02	22.16			
0	WQAM	20	19	22.36	22.14	22.26	23.0	2	
0	WQAM	50	0	22.16	22.11	22.28			
0	WQAM	1	0	22.34	22.17	22.18			
0	WQAM	1	25	22.31	22.14	22.15	23.0	2	
0	WQAM	1	49	22.18	22.08	22.15			
0	WQAM	20	0	21.23	21.16	21.31	22.0	3	
0	WQAM	20	12	21.32	21.21	21.35			
0	WQAM	20	25	21.12	21.13	21.32			
0	WQAM	50	0	21.14	21.14	21.33	20.0	5	
0	25QAM	1	0	19.31	19.17	19.31			
0	25QAM	1	25	19.20	19.25	19.12			
0	25QAM	1	49	19.22	19.12	19.27	20.0	5	
0	25QAM	20	0	19.31	19.35	19.34			
0	25QAM	20	12	19.10	19.22	19.21			
0	25QAM	20	25	19.08	19.26	19.27	20.0	5	
0	25QAM	50	0	19.08	19.26	19.18			
0	25QAM	50	0	19.11	19.35	19.11			
Channel				814.7	811.5	844.3	Time-up Int. (min)	MPR (dB)	
Frequency (MHz)				814.7	811.5	844.3			
1.4	QPSK	1	0	24.14	24.10	24.20	25.0	0	
1.4	QPSK	1	37	24.06	24.08	23.98			
1.4	QPSK	1	74	23.99	24.00	24.00			
1.4	QPSK	36	0	23.31	23.31	23.27	24.0	1	
1.4	QPSK	36	20	23.29	23.24	23.27			
1.4	QPSK	36	36	23.21	23.14	23.32			
1.4	QPSK	72	0	23.34	23.34	23.26	24.0	1	
1.4	WQAM	1	0	23.19	23.27	23.38			
1.4	WQAM	1	37	23.16	23.12	23.24	24.0	1	
1.4	WQAM	1	74	23.16	23.14	23.22			
1.4	WQAM	36	0	22.17	22.18	22.26	23.0	2	
1.4	WQAM	36	20	22.15	22.10	22.15			
1.4	WQAM	36	36	22.28	22.21	22.31			
1.4	WQAM	72	0	22.24	22.23	22.29	23.0	2	
1.4	WQAM	1	0	22.42	22.31	22.31			
1.4	WQAM	1	37	22.39	22.31	22.27	23.0	2	
1.4	WQAM	1	74	22.24	22.11	22.19			
1.4	WQAM	36	0	21.24	21.21	21.29	22.0	3	
1.4	WQAM	36	20	21.32	21.14	21.32			
1.4	WQAM	36	36	21.12	21.13	21.32			
1.4	WQAM	72	0	21.14	21.14	21.33	20.0	5	
1.4	25QAM	1	0	19.31	19.17	19.31			
1.4	25QAM	1	25	19.20	19.25	19.12			
1.4	25QAM	1	49	19.22	19.12	19.27	20.0	5	
1.4	25QAM	20	0	19.31	19.35	19.34			
1.4	25QAM	20	12	19.10	19.22	19.21			
1.4	25QAM	20	25	19.08	19.26	19.27	20.0	5	
1.4	25QAM	50	0	19.08	19.26	19.18			
1.4	25QAM	50	0	19.11	19.35	19.11			
Channel				814.7	811.5	844.3	Time-up Int. (min)	MPR (dB)	
Frequency (MHz)				814.7	811.5	844.3			
1.4	QPSK	1	0	24.14	24.10	24.20	25.0	0	
1.4	QPSK	1	37	24.06	24.08	23.98			
1.4	QPSK	1	74	23.99	24.00	24.00			
1.4	QPSK	36	0	23.31	23.31	23.27	24.0	1	
1.4	QPSK	36	20	23.29	23.24	23.27			
1.4	QPSK	36	36	23.21	23.14	23.32			
1.4	QPSK	72	0	23.34	23.34	23.26	24.0	1	
1.4	WQAM	1	0	23.19	23.27	23.38			
1.4	WQAM	1	37	23.16	23.12	23.24	24.0	1	
1.4	WQAM	1	74	23.16	23.14	23.22			
1.4	WQAM	36	0	22.17	22.18	22.26	23.0	2	
1.4	WQAM	36	20	22.15	22.10	22.15			
1.4	WQAM	36	36	22.28	22.21	22.31			
1.4	WQAM	72	0	22.24	22.23	22.29	23.0	2	
1.4	WQAM	1	0	22.42	22.31	22.31			
1.4	WQAM	1	37	22.39	22.31	22.27	23.0	2	
1.4	WQAM	1	74	22.24	22.11	22.19			
1.4	WQAM	36	0	21.24	21.21	21.29	22.0	3	
1.4	WQAM	36	20	21.32	21.14	21.32			
1.4	WQAM	36	36	21.12	21.13	21.32			
1.4	WQAM	72	0	21.14	21.14	21.33	20.0	5	
1.4	25QAM	1	0	19.31	19.17	19.31			
1.4	25QAM	1	25	19.20	19.25	19.12			
1.4	25QAM	1	49	19.22	19.12	19.27	20.0	5	
1.4	25QAM	20	0	19.31	19.35	19.34			
1.4	25QAM	20	12	19.10	19.22	19.21			
1.4	25QAM	20	25	19.08	19.26	19.27	20.0	5	
1.4	25QAM	50	0	19.08	19.26	19.18			
1.4	25QAM	50	0	19.11	19.35	19.11			
Channel				814.7	811.5	844.3	Time-up Int. (min)	MPR (dB)	
Frequency (MHz)				814.7	811.5	844.3			
1.4	QPSK	1	0	24.14	24.10	24.20	25.0	0	
1.4	QPSK	1	37	24.06	24.08	23.98			
1.4	QPSK	1	74	23.99	24.00	24.00			
1.4	QPSK	36	0	23.31	23.31	23.27	24.0	1	
1.4	QPSK	36	20	23.29	23.24	23.27			
1.4	QPSK	36	36	23.21	23.14	23.32			
1.4	QPSK	72	0	23.34	23.34	23.26	24.0	1	
1.4	WQAM	1	0	23.19	23.27	23.38			
1.4	WQAM	1	37	23.16	23.12	23.24	24.0	1	
1.4	WQAM	1	74	23.16	23.14	23.22			
1.4	WQAM	36	0	22.17	22.18	22.26	23.0	2	
1.4	WQAM	36	20	22.15	22.10	22.15			
1.4	WQAM	36	36	22.28	22.21	22.31			
1.4	WQAM	72	0	22.24	22.23	22.29	23.0	2	
1.4	WQAM	1	0	22.42	2				



MINISTRY OF NATIONAL DEFENSE

Band 2 Ant3 DS13 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power High Ch./Freq.	Turn-on Time (ms)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.63	24.63	24.62						
20	QPSK	1	49	24.57	24.59	24.59	25.5	0				
20	QPSK	1	99	24.52	24.50	24.50						
20	QPSK	50	0	23.63	23.70	23.75						
20	QPSK	50	24	23.70	23.73	23.68	24.5	1				
20	QPSK	50	50	23.68	23.68	23.67						
20	QPSK	100	0	23.63	23.70	23.66						
20	QPSK	1	0	23.54	23.50	24.01						
20	QPSK	1	49	24.26	24.17	24.13	24.5	1				
20	QPSK	1	99	24.24	23.97	23.92						
20	QPSK	50	0	22.77	22.68	22.74						
20	QPSK	50	24	22.62	22.73	22.80						
20	QPSK	50	50	22.59	22.87	22.85	23.5	2				
20	QPSK	100	0	22.50	22.73	22.80						
20	QPSK	1	0	22.45	22.45	22.52						
20	QPSK	1	49	22.72	22.58	22.55	23.5	2				
20	QPSK	1	99	22.65	22.68	22.69						
20	QPSK	50	24	21.88	21.85	21.74	22.5	3				
20	QPSK	50	50	21.71	21.68	21.74						
20	QPSK	100	0	21.65	21.62	21.66						
20	QPSK	1	0	19.54	19.53	19.56						
20	QPSK	1	49	19.52	19.56	19.42	20.5	5				
20	QPSK	1	99	19.44	19.50	19.49						
20	QPSK	50	0	19.37	19.71	19.68						
20	QPSK	50	24	19.38	19.38	19.37						
20	QPSK	50	50	19.70	19.70	19.58	20.5	5				
20	QPSK	100	0	19.54	19.60	19.76						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.63	24.63	24.62						
10	QPSK	1	37	24.49	24.57	24.30	25.5	0				
10	QPSK	1	74	24.43	24.50	24.45						
10	QPSK	36	0	23.58	23.60	23.58						
10	QPSK	36	24	23.55	23.65	23.63						
10	QPSK	36	59	23.60	23.50	23.49	24.5	1				
10	QPSK	75	0	23.63	23.63	23.60						
10	QPSK	75	24	23.59	23.67	23.67						
10	QPSK	1	27	24.11	24.14	24.08	24.5	1				
10	QPSK	1	37	24.08	24.07	24.07						
10	QPSK	36	0	22.68	22.61	22.71						
10	QPSK	36	24	22.78	22.60	22.65	23.5	2				
10	QPSK	36	59	22.69	22.50	22.59						
10	QPSK	1	0	22.82	22.75	22.75						
10	QPSK	1	22	22.84	22.83	22.73	23.5	2				
10	QPSK	1	74	22.52	22.55	22.68						
10	QPSK	36	0	21.75	21.53	21.73						
10	QPSK	36	24	21.84	21.82	21.86	22.5	3				
10	QPSK	36	59	21.65	21.68	21.70						
10	QPSK	75	0	21.82	21.76	21.77						
10	QPSK	75	24	21.84	21.82	21.87						
10	QPSK	1	37	19.54	19.48	19.57	20.5	5				
10	QPSK	36	0	19.45	19.55	19.53						
10	QPSK	36	24	19.52	19.52	19.52						
10	QPSK	36	59	19.68	19.68	19.64	20.5	5				
10	QPSK	75	0	19.62	19.74	19.73						
10	QPSK	75	0	19.47	19.52	19.76						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.62	24.61	24.61						
5	QPSK	1	12	24.40	24.41	24.41	25.5	0				
5	QPSK	1	24	24.52	24.56	24.41						
5	QPSK	12	7	23.69	23.67	23.67						
5	QPSK	12	7	23.69	23.61	23.54	24.5	1				
5	QPSK	24	0	23.63	23.66	23.59						
5	QPSK	24	0	23.63	23.64	23.55						
5	QPSK	1	0	23.75	23.72	23.67						
5	QPSK	1	24	23.66	23.66	23.63	24.5	1				
5	QPSK	1	24	23.67	23.68	23.61						
5	QPSK	12	0	22.68	22.59	22.69						
5	QPSK	12	13	22.73	22.76	22.62	23.5	2				
5	QPSK	1	0	22.66	22.58	22.57						
5	QPSK	1	12	22.71	22.62	22.62						
5	QPSK	1	12	22.70	22.50	22.42	23.5	2				
5	QPSK	1	24	22.51	22.57	22.56						
5	QPSK	12	7	21.72	21.66	21.74						
5	QPSK	12	7	21.77	21.63	21.74	22.5	3				
5	QPSK	1	12	21.62	21.66	21.67						
5	QPSK	1	12	21.60	21.55	21.55						
5	QPSK	1	0	19.47	19.49	19.50	20.5	5				
5	QPSK	1	12	19.52	19.58	19.58						
5	QPSK	1	24	19.39	19.47	19.47						
5	QPSK	12	0	19.55	19.53	19.56						
5	QPSK	12	13	19.62	19.61	19.64						
5	QPSK	12	13	19.57	19.63	19.42	20.5	5				
5	QPSK	25	0	19.54	19.56	19.46						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.55	24.46	24.44	25.5	0				
3	QPSK	1	14	24.57	24.47	24.52						
3	QPSK	1	14	24.45	24.50	24.57						
3	QPSK	8	0	23.52	23.75	23.68						
3	QPSK	8	7	23.61	23.65	23.64	24.5	1				
3	QPSK	8	7	23.59	23.60	23.59						
3	QPSK	15	0	23.94	23.94	23.91						
3	QPSK	1	8	24.12	23.90	24.11	24.5	1				
3	QPSK	1	14	23.96	23.96	23.96						
3	QPSK	8	0	22.68	22.48	22.47	23.5	2				
3	QPSK	8	4	22.66	22.62	22.62						
3	QPSK	15	0	22.76	22.68	22.64	23.5	2				
3	QPSK	1	0	22.87	22.79	22.79						
3	QPSK	1	14	22.80	22.77	22.78	23.5	2				
3	QPSK	1	14	22.68	22.68	22.68						
3	QPSK	1	14	22.54	22.54	22.55						
3	QPSK	1	3	22.72	22.88	22.78	24.5	1				
3	QPSK	1	3	22.66	22.86	22.74	23.5	2				
3	QPSK	1	0	22.71	22.80	22.87						
3	QPSK	1	3	22.71	22.92	23.43						
3	QPSK	1	3	22.67	22.88	22.88						
3	QPSK	1	0	22.74	22.94	22.89	23.5	2				
3	QPSK	1	1	22.80	22.77	22.78						
3	QPSK	1	1	22.69	22.70	22.70	23.5	2				
3	QPSK	8	0	21.93	21.83	21.79	22.5	3				
3	QPSK	1	0	19.39	19.57	19.51						
3	QPSK	1	1	19.39	19.47	19.38						
3	QPSK	1	8	19.37	19.43	19.37	20.5	6				
3	QPSK	1	8	19.43	19.42	19.34						
3	QPSK	8	0	19.50	19.53	19.50						
3	QPSK	8	4	19.72	19.58	19.58	20.5	5				
3	QPSK	8	4	19.73	19.52	19.52						
3	QPSK	15	0	19.44	19.48	19.70						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.56	24.51	24.54						
1.4	QPSK	1	3	24.57	24.40	24.40	25.5	0				
1.4	QPSK	1	3	24.48	24.48	24.48						
1.4	QPSK	3	0	24.53	24.58	24.61						
1.4	QPSK	3	1	24.51	24.56	24.52						
1.4	QPSK	3	1	24.53	24.55	24.48						
1.4	QPSK	6	0	23.53	23.63	23.63						
1.4	QPSK	3	0	23.61	23.80	23.83						
1.4	QPSK	3	1	24.07	24.02	24.08	24.5	1				
1.4	QPSK	3	3	23.90	23.87	23.90	24.5	1				
1.4	QPSK	3	3	23.88	23.88	23.85						
1.4	QPSK	3	0	22.64	22.64	22.65						
1.4	QPSK	3	1	22.72	22.88	22.78	23.5	2				
1.4	QPSK	3	1	22.66	22.84	22.74						
1.4	QPSK	3	0	22.71	22.80	22.87						
1.4	QPSK	3	1	22.71	22.92	23.43						
1.4	QPSK	3	1	22.67	22.88	22.88						
1.4	QPSK	3	0	22.74	22.94	22.89	23.5	2				
1.4	QPSK	3	1	22.80	22.77	22.78						
1.4	QPSK	3	1	22.69	22.70	22.70	23.5	2				
1.4	QPSK	6	0	21.93	21.83	21.79	22.5	3				
1.4	QPSK	1	0	19.39	19.57	19.51						
1.4	QPSK	1	1	19.39	19.47	19.38						
1.4	QPSK	1	8	19.37	19.43	19.37	20.5	6				

Band 38 Ant3 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq. (MHz)	MPR (dB)		
Channel				17650	36000	38150				
Frequency (MHz)										
20	QPSK	1	0	20.98	21.35	20.95				
20	QPSK	1	49	20.91	21.09	21.31	22.5	0		
20	QPSK	1	99	21.08	21.16	21.01				
20	QPSK	50	0	20.85	21.27	20.88				
20	QPSK	50	24	20.90	20.96	21.13	22.5	0		
20	QPSK	50	50	20.85	21.15	20.78				
20	HQAM	1	0	20.93	21.21	20.97				
20	HQAM	1	49	20.88	20.92	21.17	22.5	0		
20	HQAM	1	99	20.97	21.15	20.85				
20	HQAM	50	0	20.91	20.96	21.04				
20	HQAM	50	24	20.88	20.95	20.98	22.5	0		
20	HQAM	50	50	20.90	21.04	20.93				
20	HQAM	100	0	20.79	20.91	21.20				
20	HQAM	1	0	20.88	21.20	20.78				
20	HQAM	1	49	20.81	20.92	21.15	22.5	0		
20	HQAM	1	99	20.94	20.99	20.92				
20	HQAM	50	0	20.89	21.05	20.79				
20	HQAM	50	24	20.90	21.10	21.25	22.5	0		
20	HQAM	50	50	20.89	21.18	20.93				
20	HQAM	100	0	20.90	20.95	20.87				
20	SSQAM	1	0	18.92	19.37	18.95				
20	SSQAM	1	49	18.92	19.12	19.25	20.5	2		
20	SSQAM	1	99	19.08	19.11	18.91				
20	SSQAM	50	0	18.93	19.41	18.94				
20	SSQAM	50	24	18.95	19.21	18.92	20.5	2		
20	SSQAM	50	50	18.90	19.27	18.98				
20	SSQAM	100	0	18.95	19.19	18.94				
Channel				2071.8	2095	2093.8	Tune-up freq. (MHz)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	20.87	21.13	20.88				
15	QPSK	1	31	20.78	20.95	21.14	22.5	0		
15	QPSK	1	74	21.07	21.11	20.81				
15	QPSK	36	0	20.88	20.88	20.88				
15	QPSK	36	20	20.87	21.18	20.98	22.5	0		
15	QPSK	36	79	20.82	21.20	20.83				
15	QPSK	36	99	20.80	21.02	20.79	22.5	0		
15	HQAM	1	0	20.89	21.20	20.78				
15	HQAM	1	31	20.87	21.08	21.07	22.5	0		
15	HQAM	1	74	21.00	21.18	21.01				
15	HQAM	36	0	20.74	20.91	21.20				
15	HQAM	36	20	20.84	21.06	21.02	22.5	0		
15	HQAM	36	39	20.77	21.22	20.87				
15	HQAM	75	0	20.70	20.74	21.07				
15	HQAM	75	1	20.68	21.00	20.81	22.5	0		
15	HQAM	1	37	20.71	20.71	21.11				
15	HQAM	36	0	20.74	20.85	20.95				
15	HQAM	36	0	20.85	21.18	20.92				
15	HQAM	36	20	20.85	20.93	21.10	22.5	0		
15	HQAM	36	39	20.93	21.07	20.80				
15	HQAM	75	0	20.73	20.81	20.84				
15	SSQAM	1	0	18.92	19.22	18.94				
15	SSQAM	1	37	18.95	19.22	18.94	20.5	2		
15	SSQAM	1	74	18.97	19.17	18.85				
15	SSQAM	36	0	18.87	19.25	18.91				
15	SSQAM	36	20	18.92	19.21	19.25	20.5	2		
15	SSQAM	36	39	18.90	19.15	18.87				
15	SSQAM	75	0	18.98	19.17	18.91				
Channel				37600	38000	38000	Tune-up freq. (MHz)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	20.94	21.14	20.74				
10	QPSK	1	25	20.72	20.97	21.20	22.5	0		
10	QPSK	1	49	20.90	21.04	21.04				
10	QPSK	25	0	20.80	21.06	21.17				
10	QPSK	25	12	20.92	21.00	20.96	22.5	0		
10	QPSK	25	74	21.07	20.78	20.78				
10	QPSK	50	0	20.81	20.97	20.71				
10	HQAM	1	0	20.71	21.06	20.95				
10	HQAM	1	25	20.71	20.85	20.98	22.5	0		
10	HQAM	1	49	20.89	21.02	20.79				
10	HQAM	25	0	20.88	21.06	21.17				
10	HQAM	25	12	20.95	21.05	20.79	22.5	0		
10	HQAM	50	0	20.85	21.08	20.82				
10	HQAM	50	0	20.77	20.71	21.04				
10	HQAM	1	0	20.85	21.01	21.12				
10	HQAM	1	25	20.94	20.97	20.95	22.5	0		
10	HQAM	1	49	20.84	21.25	20.87				
10	HQAM	25	0	20.78	21.00	21.15				
10	HQAM	25	12	20.93	21.09	20.98	22.5	0		
10	HQAM	25	35	20.85	21.10	20.88				
10	HQAM	50	0	20.69	20.75	20.69				
10	SSQAM	1	0	19.03	19.00	19.33				
10	SSQAM	1	25	19.10	19.25	19.04	20.5	2		
10	SSQAM	1	49	19.07	19.13	18.85				
10	SSQAM	25	0	19.03	19.22	19.37				
10	SSQAM	25	12	19.09	19.26	18.96	20.5	2		
10	SSQAM	25	25	19.05	19.02	18.92				
10	SSQAM	50	0	19.08	19.19	18.79				
Channel				20922.0	2095	20973.8	Tune-up freq. (MHz)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	15	20.89	20.94	21.13				
5	QPSK	1	12	20.93	21.12	20.75	22.5	0		
5	QPSK	1	24	20.80	20.79	20.70				
5	QPSK	12	0	20.89	20.95	21.01				
5	QPSK	12	0	20.91	21.15	20.94				
5	QPSK	12	13	20.81	21.21	20.83	22.5	0		
5	QPSK	25	0	20.70	21.16	20.85				
5	HQAM	1	0	20.78	20.91	21.26				
5	HQAM	1	12	20.90	20.99	21.09	22.5	0		
5	HQAM	1	24	20.82	21.08	20.79				
5	HQAM	12	0	20.78	20.97	21.09				
5	HQAM	12	7	20.89	20.75	20.80	22.5	0		
5	HQAM	12	13	20.70	21.23	20.82				
5	HQAM	25	0	20.72	20.81	21.17				
5	HQAM	1	0	20.71	21.11	20.81				
5	HQAM	1	12	20.84	20.92	21.03	22.5	0		
5	HQAM	1	24	20.80	20.85	20.87				
5	HQAM	12	0	20.76	20.89	21.15				
5	HQAM	12	7	21.01	21.03	20.83	22.5	0		
5	HQAM	12	13	20.72	21.16	20.87				
5	HQAM	25	0	20.70	20.78	20.87				
5	SSQAM	1	15	18.73	19.20	18.92				
5	SSQAM	1	12	18.76	19.01	19.17	20.5	2		
5	SSQAM	1	24	19.01	19.12	18.90				
5	SSQAM	12	0	18.73	19.22	18.91				
5	SSQAM	12	7	18.89	19.17	19.23	20.5	2		
5	SSQAM	12	13	19.00	19.20	18.97				
5	SSQAM	25	0	18.93	19.07	18.91				

Band 41 Ant3 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq. (MHz)	MPR (dB)
Channel				38750	40885	40820	40885	40820	40885		
Frequency (MHz)											
20	QPSK	1	0	21.07	21.20	21.40	21.18	21.07			
20	QPSK	1	49	21.20	21.03	21.10	21.04	21.21		22.5	0
20	QPSK	1	99	20.98	21.17	21.14	21.02	20.95			
20	QPSK	36	0	20.98	21.14	21.13	21.04	20.89			
20	QPSK	50	24	21.10	21.01	20.89	20.89	21.25			
20	QPSK	50	74	20.98	21.10	21.02	21.05	20.95			
20	QPSK	100	0	20.99	21.12	21.10	21.10	20.94			
20	QPSK	100	50	21.08	20.98	21.02	21.05	20.94			
20	QPSK	1	49	20.97	21.09	21.03	21.01	20.87		22.5	0
20	QPSK	1	99	20.85	21.05	21.17	21.11	20.93			
20	QPSK	1	80	20.95	21.12	21.25	21.25	21.03			
20	QPSK	50	24	21.22	20.87	20.88	20.91	21.05			
20	QPSK	50	74	21.08	21.11	21.02	21.05	20.95			
20	QPSK	100	50	21.15	20.84	21.05	20.97	21.15			
20	QPSK	1	0	20.79	21.08	21.08	20.89	20.79			
20	QPSK	1	49	21.08	21.11	21.02	21.10	21.03		22.5	0
20	QPSK	1	99	21.04	20.80	21.10	21.07	21.08			
20	QPSK	36	0	21.08	21.17	21.10	21.06	20.89			
20	QPSK	50	24	21.09	21.00	20.89	20.89	21.25			
20	QPSK	50	74	20.92	21.02	21.10	21.05	20.98		22.5	0
20	QPSK	100	50	21.09	20.98	21.02	21.05	20.98			
20	QPSK	1	0	19.10	19.32	19.38	19.17	19.10			
20	QPSK	1	49	19.18	18.93	19.12	18.99	19.30		20.5	2
20	QPSK	1	99	19.10	19.12	19.21	19.08	19.04			
20	QPSK	36	0	18.97	19.30	19.42	19.28	18.98			
20	QPSK	50	24	19.08	19.08	19.14	19.22	19.15			
20	QPSK	50	74	19.13	19.05	19.18	19.04	19.25		20.5	2
20	QPSK	100	50	18.97	19.18	19.12	19.02	18.98			
Channel				38750	40885	40820	40885	40820	40885		
Frequency (MHz)											
20	QPSK	1	0	20.98	21.24	21.33	20.93	20.87	21.24		
20	QPSK	1	49	21.20	21.03	21.08	21.01	21.02		22.5	0
20	QPSK	1	99	20.98	21.17	21.14	21.02	20.95			
20	QPSK	36	0	20.97	20.93	21.22	20.93	20.74			
20	QPSK	50	24	21.24	21.03	20.99	20.94	21.05			
20	QPSK	50	74	20.93	20.96	20.94	20.99	20.87		22.5	0
20	QPSK	100	50	20.86	20.91	21.13	20.94	20.79			
20	QPSK	75	0	20.87	21.04	21.06	21.01	20.87			
20	QPSK	1	0	21.18	20.88	21.03	20.88	21.13			
20	QPSK	1	49	20.91	21.07	21.14	21.07	20.91		22.5	0
20	QPSK	1	99	20.77	21.11	21.13	21.05	20.87			
20	QPSK	36	0	20.82	20.99	21.03	20.90	21.03			
20	QPSK	50	24	21.18	20.70	20.85	20.80	21.03		22.5	0
20	QPSK	50	74	20.88	21.11	20.87	20.83	20.78			
20	QPSK	100	50	21.05	20.85	20.86	20.83	21.05			
20	QPSK	1	0	20.88	21.05	20.89	20.83	21.05			
20	QPSK	1	49	20.98	21.09	21.05	21.01	20.98		22.5	0
20	QPSK	1	99	20.90	20.95	21.12	21.05	20.90			
20	QPSK	36	0	20.95	20.87	20.94	20.87	20.95			
20	QPSK	50	24	21.07	21.08	21.22	21.05	20.77			
20	QPSK	50	74	20.94	20.82	21.07	20.89	21.01		22.5	0
20	QPSK	100	50	20.82	20.98	21.04	20.88	21.02			
20	QPSK	1	0	18.75	21.06	20.97	20.88	20.70			
20	QPSK	1	49	18.95	19.30	19.15	18.86	19.03		20.5	2
20	QPSK	1	99	18.88	19.01	18.94	18.92	18.87			
20	QPSK	36	0	18.88	19.12	19.25	19.08	18.88			
20	QPSK	50	24	18.92	19.24	19.34	19.15	19.04		20.5	2
20	QPSK	50	74	18.98	18.87	19.03	18.88	19.02			
20	QPSK	100	50	18.91	19.15	19.11	19.07	18.91			
Channel				38750	40885	40820	40885	40820	40885		
Frequency (MHz)											
20	QPSK	1	0	21.24	20.98	21.08	21.04	21.21			
20	QPSK	1	26	20.93	21.13	21.09	21.07	20.81		22.5	0
20	QPSK	1	52	20.93	21.11	21.06	21.04	20.81			
20	QPSK	36	0	21.14	20.89	21.07	20.89	21.18			
20	QPSK	50	24	20.97	21.09	20.94	20.94	20.86		22.5	0
20	QPSK	50	74	21.08	20.95	21.03	20.95	20.86			
20	QPSK	100	50	21.08	20.80	21.05	20.84	21.05			
20	QPSK	1	0	21.18	20.91	21.01	20.91	21.18			
20	QPSK	1	26	20.94	21.08	21.03	21.02	20.82		22.5	0
20	QPSK	1	52	20.80	21.08	21.14	21.08	20.71			
20	QPSK	36	0	21.18	20.94	21.04	20.94	21.18			
20	QPSK	50	24	20.92	21.19	21.14	21.01	20.91		22.5	0
20	QPSK	50	74	20.95	21.11	21.06	21.01	20.95			
20	QPSK	100	50	21.03	20.84	20.98	20.80	21.02			
20	QPSK	1	0	20.97	21.01	20.86	20.94	21.19			
20	QPSK	1	26	20.87	21.00	21.02	21.02	20.87		22.5	0
20	QPSK	1	49	20.79	21.03	21.10	21.01	20.89			
20	QPSK	1	75	21.08	21.13	21.10	21.07	20.89			
20	QPSK	36	0	21.05	20.85	21.01	20.81	20.89		22.5	0
20	QPSK	50	24	20.97	20.83	21.08	21.07	20.89			
20	QPSK	50	74	20.77	20.83	20.98	20.87	20.89			
20	QPSK	100	50	20.82	20.93	21.00	20.82	20.89			
20	QPSK	1	0	18.92	19.10	19.27	19.18	18.90		20.5	2
20	QPSK	1	26	18.98	19.16	19.28	19.18	18.92			
20	QPSK	1	52	19.08	19.08	19.18	19.08	18.92			
20	QPSK	36	0	18.87	19.31	19.38	19.16	18.88		20.5	2
20	QPSK	50	24	18.92	19.16	19.25	19.16	18.90			
20	QPSK	50	74	19.12	18.85	19.14	18.84	19.04			
20	QPSK	100	50	18.91	18.97	19.23	18.88	19.04			
Channel				38750	40885	40820	40885	40820	40885		
Frequency (MHz)											
20	QPSK	1	0	21.09	20.92	21.06	20.92	21.14			
20	QPSK	1	26	20.98	21.19	21.06	21.06	20.83		22.5	0
20	QPSK	1	52	20.98	21.04	21.12	21.08	20.83			
20	QPSK	36	0	21.08	21.03	21.08	21.08	21.25			
20	QPSK	50	24	20.79	21.16	21.14	21.01	20.85		22.5	0
20	QPSK	50	74	20.82	20.95	21.10	20.90	20.83			
20	QPSK	100	50	20.79	21.19	21.18	21.10	20.93		22.5	0
20	QPSK	1	0	21.17	20.82	21.10	20.89	21.18			
20	QPSK	1	26	20.98	21.18	21.06	21.06	20.83		22.5	0
20	QPSK	1	52	20.85	20.94	21.25	21.09	21.15			
20	QPSK	36	0	21.17	20.85	20.95	20.83	21.18			
20	QPSK	50	24	20.97	21.09	21.08	21.02	20.83		22.5	0
20	QPSK	50	74	20.91	20.93	21.24	21.01	20.83			
20	QPSK	100	50	21.11	20.88	21.01	20.76	21.06			
20	QPSK	1	0	20.88	21.07	21.18	21.08	20.83			
20	QPSK	1	26	20.93	21.05	21.06	21.01	20.83		22.5	0
20	QPSK	1	52	20.90	20.75	21.08	20.81	21.08			
20	QPSK	36	0	20.94	21.02	21.17	20.89	20.81			
20	QPSK	50	24	20.93	20.90	21.00	20.80	21.14		22.5	0
20	QPSK	50	74	20.74	20.95	20.99	20.87	20.79			
20	QPSK	100	50	20.88	20.93	20.84	20.84	20.86			
20	QPSK	1	0	18.98	19.28	19.35	19.18	18.90		20.5	2
20	QPSK	1	26	19.05	19.24	19.25	19.05	19.11			
20	QPSK	1	52	19.13	19.07	19.19	18.92	19.03			
20	QPSK	36	0	18.78	19.12	19.28	19.05	18.97		20.5	2
20	QPSK	50	24	18.85	19.07	19.25	19.17	18.90			
20	QPSK	50	74	19.12	18.80	19.14	19.02	19.15			
20	QPSK	100	50	18.93	19.08	19.18	18.94	19.09			

Band 2 Ant4 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
20	QPSK	1	48	20.67	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
20	QPSK	1	96	20.67	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
20	QPSK	1	144	20.67	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
20	QPSK	50	24	20.73	20.69	20.70	20.70	20.70	20.70	20.70	20.70	20.70
20	QPSK	50	50	20.73	20.73	20.69	20.69	20.69	20.69	20.69	20.69	20.69
20	QPSK	50	76	20.68	20.68	20.69	20.69	20.69	20.69	20.69	20.69	20.69
20	16QAM	1	0	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
20	16QAM	1	48	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
20	16QAM	1	96	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
20	16QAM	50	24	20.63	20.70	20.69	20.69	20.69	20.69	20.69	20.69	20.69
20	16QAM	50	50	20.63	20.71	20.69	20.69	20.69	20.69	20.69	20.69	20.69
20	16QAM	50	76	20.58	20.68	20.65	20.65	20.65	20.65	20.65	20.65	20.65
20	256QAM	1	0	18.62	18.60	18.60	18.60	18.60	18.60	18.60	18.60	18.60
20	256QAM	1	48	18.62	18.60	18.60	18.60	18.60	18.60	18.60	18.60	18.60
20	256QAM	1	96	18.62	18.60	18.60	18.60	18.60	18.60	18.60	18.60	18.60
20	256QAM	50	24	18.62	18.60	18.61	18.61	18.61	18.61	18.61	18.61	18.61
20	256QAM	50	50	18.62	18.60	18.61	18.61	18.61	18.61	18.61	18.61	18.61
20	256QAM	50	76	18.62	18.60	18.61	18.61	18.61	18.61	18.61	18.61	18.61
20	256QAM	100	0	18.57	18.62	18.75	18.75	18.75	18.75	18.75	18.75	18.75
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
15	QPSK	1	48	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
15	QPSK	1	96	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
15	QPSK	1	144	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
15	QPSK	50	24	20.61	20.59	20.57	20.57	20.57	20.57	20.57	20.57	20.57
15	QPSK	50	50	20.62	20.64	20.63	20.63	20.63	20.63	20.63	20.63	20.63
15	QPSK	75	0	20.58	20.75	20.68	20.68	20.68	20.68	20.68	20.68	20.68
15	16QAM	1	0	20.55	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67
15	16QAM	1	48	20.55	20.52	20.41	20.41	20.41	20.41	20.41	20.41	20.41
15	16QAM	1	96	20.55	20.52	20.41	20.41	20.41	20.41	20.41	20.41	20.41
15	16QAM	50	24	20.47	20.61	20.43	20.43	20.43	20.43	20.43	20.43	20.43
15	16QAM	50	50	20.61	20.58	20.59	20.59	20.59	20.59	20.59	20.59	20.59
15	16QAM	50	76	20.58	20.58	20.59	20.59	20.59	20.59	20.59	20.59	20.59
15	16QAM	100	0	20.47	20.58	20.65	20.65	20.65	20.65	20.65	20.65	20.65
15	16QAM	1	0	20.48	20.67	20.64	20.64	20.64	20.64	20.64	20.64	20.64
15	16QAM	1	48	20.48	20.67	20.64	20.64	20.64	20.64	20.64	20.64	20.64
15	16QAM	1	96	20.48	20.67	20.64	20.64	20.64	20.64	20.64	20.64	20.64
15	16QAM	50	24	20.52	20.53	20.58	20.58	20.58	20.58	20.58	20.58	20.58
15	16QAM	50	50	20.49	20.65	20.62	20.62	20.62	20.62	20.62	20.62	20.62
15	16QAM	50	76	20.52	20.53	20.58	20.58	20.58	20.58	20.58	20.58	20.58
15	16QAM	100	0	20.49	20.52	20.61	20.61	20.61	20.61	20.61	20.61	20.61
15	256QAM	1	0	18.42	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
15	256QAM	1	48	18.42	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
15	256QAM	1	96	18.42	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
15	256QAM	50	24	18.44	18.58	18.71	18.71	18.71	18.71	18.71	18.71	18.71
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.52	20.71	20.65	20.65	20.65	20.65	20.65	20.65	20.65
10	QPSK	1	25	20.57	20.68	20.67	20.67	20.67	20.67	20.67	20.67	20.67
10	QPSK	1	50	20.52	20.68	20.67	20.67	20.67	20.67	20.67	20.67	20.67
10	QPSK	25	0	20.49	20.70	20.67	20.67	20.67	20.67	20.67	20.67	20.67
10	QPSK	25	12	20.62	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
10	QPSK	50	24	20.62	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
10	16QAM	1	0	20.50	20.66	20.62	20.62	20.62	20.62	20.62	20.62	20.62
10	16QAM	1	48	20.54	20.66	20.62	20.62	20.62	20.62	20.62	20.62	20.62
10	16QAM	1	96	20.50	20.58	20.54	20.54	20.54	20.54	20.54	20.54	20.54
10	16QAM	50	24	20.62	20.68	20.67	20.67	20.67	20.67	20.67	20.67	20.67
10	16QAM	50	50	20.63	20.59	20.53	20.53	20.53	20.53	20.53	20.53	20.53
10	16QAM	100	0	20.63	20.59	20.53	20.53	20.53	20.53	20.53	20.53	20.53
10	256QAM	1	0	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
10	256QAM	1	48	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
10	256QAM	1	96	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
10	256QAM	50	24	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
10	256QAM	50	50	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
10	256QAM	100	0	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.52	20.71	20.65	20.65	20.65	20.65	20.65	20.65	20.65
5	QPSK	1	25	20.57	20.68	20.67	20.67	20.67	20.67	20.67	20.67	20.67
5	QPSK	1	50	20.52	20.68	20.67	20.67	20.67	20.67	20.67	20.67	20.67
5	QPSK	25	0	20.49	20.70	20.67	20.67	20.67	20.67	20.67	20.67	20.67
5	QPSK	25	12	20.62	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
5	QPSK	50	24	20.62	20.68	20.68	20.68	20.68	20.68	20.68	20.68	20.68
5	16QAM	1	0	20.50	20.66	20.62	20.62	20.62	20.62	20.62	20.62	20.62
5	16QAM	1	48	20.54	20.66	20.62	20.62	20.62	20.62	20.62	20.62	20.62
5	16QAM	1	96	20.50	20.58	20.54	20.54	20.54	20.54	20.54	20.54	20.54
5	16QAM	50	24	20.62	20.68	20.67	20.67	20.67	20.67	20.67	20.67	20.67
5	16QAM	50	50	20.63	20.59	20.53	20.53	20.53	20.53	20.53	20.53	20.53
5	16QAM	100	0	20.63	20.59	20.53	20.53	20.53	20.53	20.53	20.53	20.53
5	256QAM	1	0	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
5	256QAM	1	48	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
5	256QAM	1	96	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
5	256QAM	50	24	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
5	256QAM	50	50	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
5	256QAM	100	0	18.37	18.46	18.46	18.46	18.46	18.46	18.46	18.46	18.46
Channel												

Band 38 Ant4 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up time (min)	MPR (dB)			
Channel											
Frequency (MHz)				37650	38000	38150					
20	QPSK	1	0	22.21	22.26	22.29	23	0			
20	QPSK	1	49	22.10	22.28	22.13					
20	QPSK	1	99	21.99	22.16	22.07					
20	QPSK	50	0	22.10	22.20	22.19	23	0			
20	QPSK	50	24	21.92	22.08	22.08					
20	QPSK	50	50	21.82	22.15	22.33					
20	QPSK	100	0	22.10	22.20	22.17	23	0			
20	HQAM	1	0	21.90	22.25	22.13					
20	HQAM	1	49	21.93	21.97	22.20					
20	HQAM	1	99	22.16	22.30	22.16	23	0			
20	HQAM	50	0	22.00	22.18	22.14					
20	HQAM	50	24	21.95	22.13	22.15					
20	HQAM	50	50	22.00	22.14	22.15	23	0			
20	HQAM	100	0	21.90	22.10	22.05					
20	HQAM	1	0	22.21	22.22	22.26	23	0			
20	HQAM	1	49	21.98	22.08	22.07					
20	HQAM	1	99	21.81	22.17	22.07					
20	HQAM	50	0	21.90	22.07	22.04	22	1			
20	HQAM	50	24	21.20	21.25	21.21					
20	HQAM	50	50	21.21	21.27	21.65					
20	HQAM	100	0	21.97	21.21	21.35	20	3			
20	SSQAM	1	0	19.25	19.33	19.27					
20	SSQAM	1	49	19.13	19.31	19.21					
20	SSQAM	1	99	19.01	19.06	19.24	20	3			
20	SSQAM	50	0	19.00	19.43	19.30					
20	SSQAM	50	24	19.10	19.37	19.32					
20	SSQAM	50	50	19.11	19.27	19.16	20	3			
20	SSQAM	100	0	19.06	19.10	19.25					
Channel				2057.5	2065	2072.5					
Frequency (MHz)											
15	QPSK	1	0	22.17	22.18	22.25	23	0			
15	QPSK	1	37	22.16	22.14	21.93					
15	QPSK	1	74	21.78	21.95	22.21					
15	QPSK	36	0	22.00	22.14	22.13	23	0			
15	QPSK	36	20	21.83	21.92	22.03					
15	QPSK	36	39	21.75	22.07	22.07					
15	QPSK	36	58	21.93	22.07	22.04	23	0			
15	HQAM	1	0	21.80	22.10	22.12					
15	HQAM	1	37	22.13	22.16	22.07					
15	HQAM	1	74	22.13	22.18	22.07	23	0			
15	HQAM	36	0	21.86	22.05	21.93					
15	HQAM	36	20	21.74	22.06	22.13					
15	HQAM	36	39	22.07	22.03	22.11	23	0			
15	HQAM	75	0	21.89	22.04	21.96					
15	HQAM	1	0	22.00	22.04	22.00					
15	HQAM	1	37	21.85	21.97	21.91	23	0			
15	HQAM	1	74	21.73	21.90	21.90					
15	HQAM	36	0	21.77	21.94	21.90					
15	HQAM	36	20	21.69	21.69	21.12	22	1			
15	HQAM	36	39	21.15	21.22	21.02					
15	HQAM	75	0	20.77	21.91	21.20					
15	SSQAM	1	0	19.00	19.00	19.00	20	3			
15	SSQAM	1	37	19.14	19.24	19.05					
15	SSQAM	1	74	19.04	19.08	19.16					
15	SSQAM	36	0	19.00	19.24	19.21	20	3			
15	SSQAM	36	20	19.17	19.25	19.30					
15	SSQAM	36	39	19.10	19.17	19.00					
15	SSQAM	75	0	19.00	19.05	19.27	19	3			
Channel				37600	38000	38000					
Frequency (MHz)											
10	QPSK	1	0	22.00	22.05	22.10	23	0			
10	QPSK	1	25	21.92	22.22	22.60					
10	QPSK	1	49	21.94	22.17	22.15					
10	QPSK	25	0	21.96	22.16	22.11	23	0			
10	QPSK	25	12	21.93	21.99	22.05					
10	QPSK	25	37	21.80	21.96	22.00					
10	QPSK	50	0	22.16	22.07	22.04	23	0			
10	HQAM	1	0	21.72	22.16	22.16					
10	HQAM	1	25	21.90	21.76	22.21					
10	HQAM	1	49	22.12	22.13	21.93	23	0			
10	HQAM	25	0	21.97	22.08	21.79					
10	HQAM	25	12	21.88	21.99	22.11					
10	HQAM	50	0	22.02	22.12	22.05	23	0			
10	HQAM	50	25	21.94	21.92	21.60					
10	HQAM	1	0	22.01	22.12	22.12					
10	HQAM	1	25	21.76	22.15	21.94	23	0			
10	HQAM	1	49	21.78	22.15	21.87					
10	HQAM	25	0	21.12	21.43	21.16					
10	HQAM	25	12	21.07	21.15	21.04	22	1			
10	HQAM	25	37	21.16	21.09	21.01					
10	HQAM	50	0	20.97	21.17	21.01					
10	SSQAM	1	0	19.14	19.29	19.30	20	3			
10	SSQAM	1	25	19.14	19.28	19.19					
10	SSQAM	1	49	19.00	19.01	19.10					
10	SSQAM	25	0	19.08	19.41	19.30	20	3			
10	SSQAM	25	12	19.09	19.21	19.16					
10	SSQAM	25	37	19.01	19.15	19.00					
10	SSQAM	50	0	19.07	19.30	19.17	20	3			
Channel				2057.5	2065	2072.5					
Frequency (MHz)											
5	QPSK	1	0	22.05	22.15	22.10	23	0			
5	QPSK	1	12	22.05	22.07	22.13					
5	QPSK	1	24	21.94	22.07	22.20					
5	QPSK	12	0	21.99	22.06	22.07	23	0			
5	QPSK	12	6	21.92	21.88	22.01					
5	QPSK	12	13	21.82	21.91	22.00					
5	QPSK	25	0	22.14	22.12	22.11	23	0			
5	QPSK	25	12	21.93	21.99	22.05					
5	QPSK	25	37	21.80	21.97	22.00					
5	HQAM	1	0	21.86	22.17	21.93	23	0			
5	HQAM	1	12	21.82	21.99	22.12					
5	HQAM	1	24	21.95	22.25	22.00					
5	HQAM	12	0	22.00	22.06	21.86	23	0			
5	HQAM	12	7	21.79	21.96	22.07					
5	HQAM	12	13	21.95	21.92	21.90					
5	HQAM	25	0	21.85	21.94	21.90	23	0			
5	HQAM	25	12	21.79	21.92	22.07					
5	HQAM	25	37	21.88	21.95	22.07	23	0			
5	HQAM	50	0	21.82	22.05	21.97					
5	HQAM	50	25	21.75	22.06	21.96	23	0			
5	HQAM	100	0	21.21	21.43	21.23					
5	HQAM	12	0	21.81	21.92	21.93	22	1			
5	HQAM	12	7	21.61	21.72	21.76					
5	HQAM	12	13	21.77	21.84	20.93					
5	HQAM	25	0	20.88	21.13	21.36	22	1			
5	HQAM	25	12	20.88	21.08	21.23					
5	HQAM	25	37	20.88	21.03	21.23					
5	SSQAM	1	0	19.00	19.00	19.00	20	3			
5	SSQAM	1	12	19.11	19.15	19.01					
5	SSQAM	1	24	19.02	19.01	19.23					
5	SSQAM	12	0	19.00	19.24	19.24	20	3			
5	SSQAM	12	7	19.10	19.25	19.29					
5	SSQAM	12	13	19.16	19.25	19.16					
5	SSQAM	25	0	19.00	19.25	19.26	20	3			
5	SSQAM	25	12	19.00	19.25	19.24					
5	SSQAM	25	37	19.00	19.25	19.24					

GSM1900 Anti DSI-3 Default						
GSM1900	Power Average Power (dBm)			Tx Power Limit	Power Average Power (dBm)	
	TX Channel	Min	Max		Min	Max
Frequency (MHz)	1920	1920	1920	1920	1920	1920
CDMA 1 Tx anti	28.81	28.84	28.93	30.00	19.81	19.94
EDGE 1 Tx anti	28.78	28.80	28.82	30.00	19.76	19.80
EDGE 2 Tx anti	28.80	28.81	28.82	30.00	19.80	19.82
EDGE 3 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 4 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 1 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 2 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 3 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 4 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32

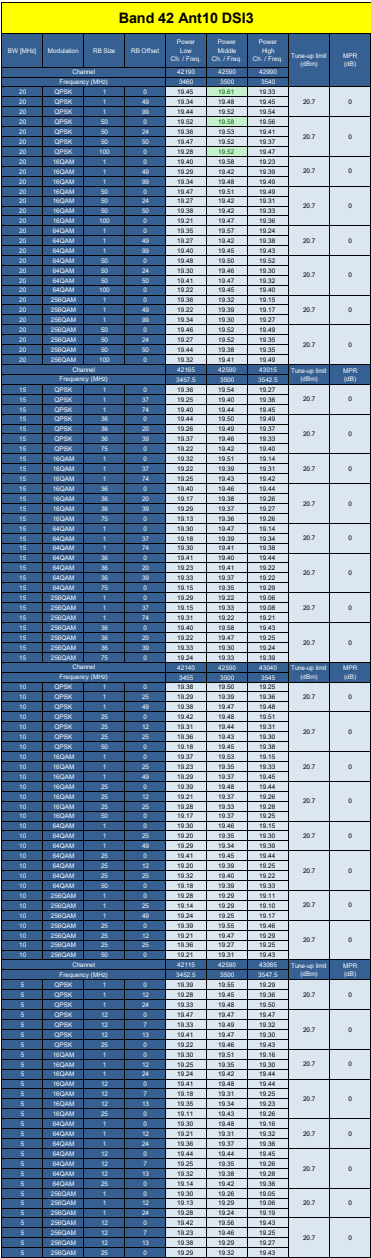
WCDMA 11 Anti DSI-3 Default						
WCDMA 11	Power Average Power (dBm)			Tx Power Limit	Power Average Power (dBm)	
	TX Channel	Min	Max		Min	Max
Frequency (MHz)	1920	1920	1920	1920	1920	1920
WCDMA 11 Tx anti	28.81	28.84	28.93	30.00	19.81	19.94
EDGE 1 Tx anti	28.78	28.80	28.82	30.00	19.76	19.80
EDGE 2 Tx anti	28.80	28.81	28.82	30.00	19.80	19.82
EDGE 3 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 4 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 1 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 2 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 3 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 4 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32

WCDMA 11 Anti DSI-3 Default						
WCDMA 11	Power Average Power (dBm)			Tx Power Limit	Power Average Power (dBm)	
	TX Channel	Min	Max		Min	Max
Frequency (MHz)	1920	1920	1920	1920	1920	1920
WCDMA 11 Tx anti	28.81	28.84	28.93	30.00	19.81	19.94
EDGE 1 Tx anti	28.78	28.80	28.82	30.00	19.76	19.80
EDGE 2 Tx anti	28.80	28.81	28.82	30.00	19.80	19.82
EDGE 3 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 4 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 1 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 2 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 3 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32
EDGE 4 Tx anti	28.84	28.82	28.58	25.00	19.88	19.32

Band 38 Ant5 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up time (min)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)										
20	QPSK	1	0	21.88	21.93	21.85				
20	QPSK	1	49	21.83	21.89	21.87	23	0		
20	QPSK	1	99	21.77	21.88	21.85				
20	QPSK	50	0	21.73	21.91	21.80				
20	QPSK	50	24	21.61	21.84	21.80				
20	QPSK	50	50	21.85	21.82	21.87	23	0		
20	QPSK	100	0	21.77	21.79	21.78				
20	HQAM	1	0	21.79	21.85	21.75				
20	HQAM	1	49	21.79	21.86	21.59	23	0		
20	HQAM	1	99	21.73	21.78	21.76				
20	HQAM	50	0	21.67	21.83	21.62				
20	HQAM	50	24	21.79	21.76	21.70	23	0		
20	HQAM	50	50	21.76	21.74	21.75				
20	HQAM	100	0	21.69	21.75	21.74				
20	HQAM	1	0	21.80	21.87	21.78				
20	HQAM	1	49	21.78	18.84	18.82	20	3		
20	HQAM	1	99	18.77	18.79	18.80				
20	SSBQAM	50	0	18.80	18.92	18.69				
20	SSBQAM	50	24	18.80	18.80	18.80	20	3		
20	SSBQAM	50	50	18.80	18.90	18.80				
20	SSBQAM	100	0	18.88	18.97	18.83				
Channel				2027.8	2035	2032.8	Tune-up time (min)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	21.77	21.84	21.85				
15	QPSK	1	37	21.75	21.79	21.81	23	0		
15	QPSK	1	74	21.67	21.81	21.81				
15	QPSK	36	0	21.68	21.88	21.85				
15	QPSK	36	20	21.72	21.74	21.73	23	0		
15	QPSK	36	39	21.74	21.76	21.81				
15	QPSK	1	0	21.67	21.73	21.71				
15	HQAM	1	0	21.75	21.74	21.71				
15	HQAM	1	36	21.69	21.82	21.65	23	0		
15	HQAM	1	74	21.69	21.74	21.70				
15	HQAM	36	0	21.63	21.79	21.78				
15	HQAM	36	20	21.71	21.67	21.73	23	0		
15	HQAM	75	0	21.69	21.85	21.87				
15	HQAM	1	0	21.71	21.82	21.76				
15	HQAM	1	37	21.71	21.81	21.80	23	0		
15	HQAM	1	36	21.68	21.87	21.85				
15	HQAM	36	0	20.54	20.77	20.76				
15	HQAM	36	20	20.67	20.68	20.67	22	1		
15	HQAM	36	39	20.69	20.63	20.71				
15	HQAM	75	0	20.57	20.84	20.87				
15	SSBQAM	1	0	18.72	18.77	18.74				
15	SSBQAM	1	37	18.72	18.77	18.74	20	3		
15	SSBQAM	1	74	18.67	18.73	18.84				
15	SSBQAM	36	0	18.67	18.87	18.85				
15	SSBQAM	36	20	18.81	18.80	18.87	20	3		
15	SSBQAM	36	39	18.85	18.81	18.85				
15	SSBQAM	75	0	18.83	18.89	18.79				
Channel				37650	38000	38050	Tune-up time (min)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	21.81	21.89	21.75				
10	QPSK	1	25	21.72	21.83	21.59	23	0		
10	QPSK	1	50	21.71	21.78	21.81				
10	QPSK	25	0	21.68	21.82	21.85				
10	QPSK	25	12	21.72	21.76	21.74	23	0		
10	QPSK	25	25	21.74	21.76	21.75				
10	QPSK	50	0	21.66	21.71	21.72				
10	HQAM	1	0	21.72	21.80	21.75				
10	HQAM	1	25	21.68	21.80	21.55	23	0		
10	HQAM	1	49	21.68	21.73	21.73				
10	HQAM	25	0	21.69	21.77	21.76				
10	HQAM	25	12	21.74	21.69	21.62	23	0		
10	HQAM	25	25	21.74	21.68	21.74				
10	HQAM	50	0	21.68	21.68	21.68				
10	HQAM	1	0	21.77	21.83	21.72				
10	HQAM	1	26	21.67	21.77	21.68	23	0		
10	HQAM	1	49	21.61	21.70	21.80				
10	HQAM	25	0	20.87	20.73	20.76				
10	HQAM	25	12	20.84	20.87	20.82	22	1		
10	HQAM	25	25	20.86	20.69	20.77				
10	HQAM	50	0	20.69	20.62	20.65				
10	SSBQAM	1	0	18.72	18.84	18.87				
10	SSBQAM	1	25	18.68	18.79	18.77	20	3		
10	SSBQAM	1	49	18.70	18.72	18.84				
10	SSBQAM	25	0	18.69	18.98	18.97				
10	SSBQAM	25	12	18.87	18.84	18.86	20	3		
10	SSBQAM	25	25	18.79	18.91	18.92				
10	SSBQAM	50	0	18.83	18.91	18.79				
Channel				2027.8	2035	2032.8	Tune-up time (min)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	21.77	21.83	21.77				
5	QPSK	1	12	21.72	21.84	21.83	23	0		
5	QPSK	1	24	21.72	21.79	21.80				
5	QPSK	12	0	21.69	21.87	21.87				
5	QPSK	12	12	21.75	21.74	21.74	23	0		
5	QPSK	12	13	21.79	21.78	21.83				
5	QPSK	25	0	21.66	21.72	21.71				
5	HQAM	1	0	21.69	21.78	21.69				
5	HQAM	1	12	21.75	21.76	21.48	23	0		
5	HQAM	1	24	21.68	21.70	21.70				
5	HQAM	12	0	21.57	21.76	21.78				
5	HQAM	12	7	21.74	21.66	21.69	23	0		
5	HQAM	12	13	21.71	21.64	21.74				
5	HQAM	25	0	21.61	21.65	21.67				
5	HQAM	1	0	21.76	21.84	21.69				
5	HQAM	1	12	21.70	21.77	21.54	23	0		
5	HQAM	1	24	21.67	21.69	21.75				
5	HQAM	12	7	20.54	20.79	20.76				
5	HQAM	12	7	20.71	20.69	20.60	22	1		
5	HQAM	12	13	20.69	20.66	20.74				
5	HQAM	25	0	20.81	20.82	20.88				
5	SSBQAM	1	0	18.75	18.82	18.75				
5	SSBQAM	1	12	18.74	18.76	18.79	20	3		
5	SSBQAM	1	24	18.71	18.74	18.88				
5	SSBQAM	12	0	18.75	18.97	18.96				
5	SSBQAM	12	7	18.87	18.81	18.98	20	3		
5	SSBQAM	12	13	18.82	18.93	18.82				
5	SSBQAM	25	0	18.77	18.92	18.79				

Band 41 Ant5 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up time (min)	MPR (dB)
Channel											
Frequency (MHz)				38750	40185	40620	41055	41490			
20	QPSK	1	0	21.82	21.94	21.97	21.89	21.98	21.78		
20	QPSK	1	49	21.81	21.70	21.93	21.88	21.85		23	0
20	QPSK	1	99	21.86	21.77	21.92	21.82	21.83			
20	QPSK	50	0	21.82	21.79	21.90	21.88	21.84			
20	QPSK	50	24	21.82	21.84	21.87	21.75	21.70			
20	QPSK	50	74	21.85	21.77	21.92	21.82	21.83			
20	QPSK	100	0	21.87	21.91	21.93	21.88	21.79			
20	QPSK	100	24	21.86	21.89	21.92	21.80	21.75			
20	QPSK	100	49	21.85	21.67	21.90	21.76	21.77		23	0
20	QPSK	1	99	21.78	21.67	21.88	21.73	21.75			
20	QPSK	1	149	21.78	21.66	21.88	21.73	21.75			
20	QPSK	50	24	21.83	21.74	21.78	21.68	21.69			
20	QPSK	100	0	21.75	21.79	21.79	21.62	21.71			
20	QPSK	1	99	21.76	21.71	21.83	21.75	21.77			
20	QPSK	50	0	21.84	21.82	20.83	21.04	20.99			
20	QPSK	50	24	20.97	21.09	21.09	20.82	20.83			
20	QPSK	100	0	20.74	21.01	20.97	20.95	20.88		22	1
20	QPSK	100	24	20.77	20.97	20.97	20.85	20.86			
20	SSB-W	1	0	19.00	18.87	18.87	18.75	18.84			
20	SSB-W	1	49	18.96	18.78	18.97	18.74	18.91		20	3
20	SSB-W	1	99	18.95	18.78	18.98	18.86	18.86			
20	SSB-W	50	0	18.90	19.79	18.92	18.87	18.87			
20	SSB-W	50	24	19.05	18.88	18.92	18.77	18.87			
20	SSB-W	50	74	18.95	18.83	18.95	18.80	18.89		20	3
20	SSB-W	100	0	18.80	18.88	18.93	18.72	18.81			
Channel											
Frequency (MHz)				25015	25413	25931	26013	26515	Tune-up time (min)	MPR (dB)	
15	QPSK	1	0	21.71	21.87	21.94	21.84	21.86			
15	QPSK	1	49	21.68	21.68	21.79	21.73	21.77		23	00
15	QPSK	1	94	21.76	21.72	21.79	21.73	21.72			
15	QPSK	50	0	21.68	21.74	21.76	21.67	21.70			
15	QPSK	50	24	21.87	21.70	21.83	21.68	21.65			
15	QPSK	50	49	21.73	21.67	21.80	21.77	21.78		23	0
15	QPSK	1	94	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	149	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	194	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	244	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	294	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	344	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	394	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	444	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	494	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	544	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	594	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	644	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	694	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	744	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	794	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	844	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	894	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	944	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	994	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1044	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1094	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1144	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1194	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1244	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1294	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1344	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1394	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1444	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1494	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1544	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1594	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1644	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1694	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1744	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1794	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1844	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1894	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1944	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	1994	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2044	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2094	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2144	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2194	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2244	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2294	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2344	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2394	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2444	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2494	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2544	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2594	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2644	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2694	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2744	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2794	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2844	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2894	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2944	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	2994	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3044	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3094	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3144	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3194	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3244	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3294	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3344	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3394	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3444	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3494	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3544	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3594	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3644	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3694	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3744	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3794	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3844	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3894	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3944	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	3994	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4044	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4094	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4144	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4194	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4244	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4294	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4344	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4394	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4444	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4494	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4544	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4594	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4644	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4694	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4744	21.81	21.81	21.81	21.70	21.73			
15	QPSK	1	4794	21.81	21.81</						

Band 42 Ant9 DS13																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPT (dB)	+ Time-up-2	- Time-up	Ch Delta +/-0.5						
Channel																	
42100 42500 42900																	
20	QPSK	1	0	18.33	18.37	18.27	20	0	1.73	1.83	0.25						
20	QPSK	1	40	18.34	18.21	18.28			1.70	1.86							
20	QPSK	1	80	18.32	18.30	18.33	20	0	1.80	1.87	0.27						
20	QPSK	50	24	18.20	18.08	18.19			1.82	1.75							
20	QPSK	50	0	18.06	18.16	18.26	20	0	1.94	1.74	0.17						
20	QPSK	100	0	18.15	18.30	18.23			1.85	1.70							
20	16QAM	1	0	18.31	18.16	18.14	20	0	1.80	1.89	0.30						
20	16QAM	1	40	18.01	18.24	18.22			1.89	1.71							
20	16QAM	50	0	18.18	18.15	18.14	20	0	1.85	1.74	0.31						
20	16QAM	50	24	18.02	18.11	18.18			1.88	1.84							
20	16QAM	100	0	18.23	18.20	18.12	20	0	1.85	1.77	0.23						
20	64QAM	1	0	18.11	18.30	18.17			1.80	1.70							
20	64QAM	1	40	18.09	18.17	18.15	20	0	1.85	1.81	0.24						
20	64QAM	1	80	18.02	18.06	18.18			1.84	1.78							
20	64QAM	50	0	18.08	18.20	18.25	20	0	1.82	1.82	0.13						
20	64QAM	50	24	18.00	18.21	18.18			1.82	1.75							
20	64QAM	100	0	18.17	18.20	18.17	20	0	1.83	1.75	0.08						
20	256QAM	1	0	18.06	18.27	18.14			1.88	1.65							
20	256QAM	1	40	18.17	18.01	18.25	20	0	1.80	1.75	0.16						
20	256QAM	1	80	18.12	18.30	18.23			1.80	1.75							
20	256QAM	50	0	18.27	18.18	18.27	20	0	1.82	1.73	0.16						
20	256QAM	50	24	18.20	18.24	18.11			1.80	1.75							
20	256QAM	100	0	18.25	18.20	18.20	20	0	1.80	1.75	0.23						
20	256QAM	100	0	18.07	18.17	18.34			1.85	1.86							
Channel																	
3472.5 3500 3527.5																	
Frequency (MHz)																	
15	QPSK	1	0	18.30	18.24	18.28	20	0	1.76	1.70	0.16						
15	QPSK	1	40	18.20	18.18	18.15			1.85	1.80							
15	QPSK	1	74	18.27	18.26	18.14	20	0	1.88	1.73	0.25						
15	QPSK	36	0	18.16	18.13	18.01			1.80	1.84							
15	QPSK	36	36	18.26	18.00	18.09	20	0	2.00	1.75	0.25						
15	QPSK	36	36	18.03	18.18	18.15			1.87	1.82							
15	QPSK	36	0	18.04	18.18	18.12	20	0	1.88	1.82	0.14						
15	16QAM	1	0	18.13	18.18	18.13			1.87	1.81							
15	16QAM	1	40	18.06	18.18	18.18	20	0	1.85	1.75	0.13						
15	16QAM	1	74	18.07	18.09	18.08			1.94	1.91							
15	16QAM	36	0	18.18	18.18	18.08	20	0	1.82	1.82	0.24						
15	16QAM	36	36	18.25	18.27	18.08			1.84	1.73							
15	16QAM	36	36	18.30	18.08	18.17	20	0	1.82	1.70	0.16						
15	64QAM	1	0	18.11	18.15	18.26			1.80	1.74							
15	64QAM	1	37	18.13	18.06	18.02	20	0	1.88	1.87	0.24						
15	64QAM	1	74	18.03	18.01	18.01			1.80	1.80							
15	64QAM	36	0	18.06	18.25	18.12	20	0	1.94	1.75	0.25						
15	64QAM	36	20	18.00	18.00	18.11			2.00	1.89							
15	64QAM	36	36	18.10	18.07	18.08	20	0	1.80	1.84	0.25						
15	64QAM	75	0	18.26	18.07	18.01			1.89	1.74							
15	256QAM	1	0	18.00	18.00	18.00	20	0	1.87	1.80	0.24						
15	256QAM	1	37	18.15	18.05	18.15			1.81	1.82							
15	256QAM	1	74	18.00	18.24	18.17	20	0	1.88	1.78	0.21						
15	256QAM	1	40	18.08	18.15	18.15			1.85	1.85							
15	256QAM	36	0	18.21	18.07	18.19	20	0	1.83	1.79	0.21						
15	256QAM	36	20	18.20	18.00	18.14			2.00	1.80							
15	256QAM	75	0	18.16	18.08	18.34	20	0	1.84	1.80	0.28						
15	256QAM	100	0	18.05	18.27	18.18			1.85	1.73							
Channel																	
42140 42500 42640																	
Frequency (MHz)																	
10	QPSK	1	0	18.38	18.20	18.23	20	0	1.77	1.71	0.29						
10	QPSK	1	25	18.33	18.04	18.28			1.86	1.87							
10	QPSK	1	50	18.29	18.17	18.15	20	0	1.83	1.71	0.29						
10	QPSK	25	0	18.32	18.18	18.03			1.87	1.68							
10	QPSK	25	12	18.00	18.07	18.10	20	0	1.87	1.80	0.29						
10	QPSK	25	25	18.33	18.19	18.20			1.81	1.77							
10	QPSK	50	0	18.24	18.30	18.21	20	0	1.79	1.70	0.09						
10	16QAM	1	0	18.31	18.16	18.15			1.87	1.85							
10	16QAM	1	25	18.16	18.14	18.16	20	0	1.88	1.84	0.20						
10	16QAM	1	40	18.10	18.21	18.27			1.80	1.73							
10	16QAM	25	0	18.12	18.18	18.06	20	0	1.84	1.84	0.22						
10	16QAM	25	12	18.24	18.01	18.02			1.89	1.76							
10	16QAM	25	25	18.31	18.10	18.14	20	0	1.88	1.89	0.30						
10	16QAM	50	0	18.18	18.00	18.22			2.00	1.78							
10	64QAM	1	0	18.10	18.17	18.08	20	0	1.82	1.83	0.14						
10	64QAM	1	25	18.05	18.18	18.00			1.80	1.81							
10	64QAM	1	40	18.06	18.07	18.14	20	0	1.94	1.86	0.18						
10	64QAM	25	0	18.10	18.30	18.20			1.80	1.70							
10	64QAM	25	12	18.15	18.00	18.13	20	0	1.85	1.85	0.25						
10	64QAM	25	25	18.18	18.10	18.10			1.80	1.82							
10	64QAM	50	0	18.24	18.17	18.21	20	0	1.82	1.76	0.07						
10	256QAM	1	0	18.32	18.17	18.03			1.97	1.88							
10	256QAM	1	25	18.01	18.01	18.13	20	0	1.80	1.87	0.31						
10	256QAM	1	40	18.08	18.10	18.24			1.82	1.78							
10	256QAM	25	0	18.12	18.05	18.11	20	0	1.89	1.85	0.25						
10	256QAM	25	12	18.01	18.00	18.28			1.81	1.82							
10	256QAM	25	25	18.31	18.07	18.29	20	0	1.80	1.71	0.22						
10	256QAM	50	0	18.25	18.18	18.26			1.81	1.82							
10	256QAM	50	0	18.02	18.27	18.18	20	0	1.85	1.73	0.28						
10	256QAM	50	0	18.02	18.27	18.18			1.85	1.73							
Channel																	
3472.5 3500 3527.5																	
Frequency (MHz)																	
5	QPSK	1	0	18.22	18.16	18.11	20	0	1.86	1.78	0.23						
5	QPSK	1	12	18.21	18.11	18.11			1.88	1.80							
5	QPSK	1	24	18.11	18.17	18.11	20	0	1.89	1.69	0.25						
5	QPSK	13	0	18.20	18.16	18.11			1.87	1.67							
5	QPSK	13	0	18.20	18.16	18.11	20	0	1.82	1.87	0.25						
5	QPSK	12	13	18.23	18.21	18.13			1.87	1.77							
5	QPSK	25	0	18.12	18.16	18.23	20	0	1.84	1.70	0.14						
5	16QAM	1	0	18.30	18.16	18.07			1.83	1.70							
5	16QAM	1	12	18.10	18.21	18.22	20	0	1.84	1.78	0.25						
5	16QAM	1	24	18.18	18.11	18.11			1.88	1.84							
5	16QAM	12	0	18.07	18.04	18.18	20	0	1.96	1.75	0.21						
5	16QAM	12	12	18.15	18.15	18.08			1.84	1.78							
5	16QAM	12	13	18.26	18.13	18.15	20	0	1.87	1.75	0.19						
5	16QAM	25	0	18.15	18.25	18.26			1.85	1.74							
5	16QAM	25	0	18.15	18.25	18.26	20	0	1.85	1.84	0.11						
5	16QAM	12	12	18.20	18.08	18.15			1.84	1.80							
5	16QAM	1	0	18.21	18.24	18.14	20	0	1.86	1.74	0.18						
5	16QAM	12	0	18.20	18.15	18.15			1.86	1.74							
5	64QAM	1	0	18.10	18.20	18.11	20	0	1.84	1.85	0.26						
5	64QAM	12	13	18.25	18.08	18.11			2.00	1.89							
5	64QAM	25	0	18.22	18.11	18.07	20	0	1.94	1.78	0.18						
5	256QAM	1	0	18.14	18.16	18.15			1.80	1.84							
5	256QAM	1	12	18.21	18.17	18.07	20	0	1.88	1.84	0.19						
5	256QAM	1	24	18.22	18.16	18.20			1.81	1.80							
5	256QAM	1	24	18.22	18.26	18.20	20	0	1.80	1.74	0.14						
5	256QAM	12	13	18.25	18.13	18.15			1.88	1.86							
5	256QAM	12	7	18.14	18.10	18.05	20	0	1.95	1.88	0.24						
5	256QAM	12	13	18.26	18.22	18.15			1.85	1.74							
5	256QAM	12	13	18.26	18.22	18.26	20	0	1.85	1.74	0.15						
5	256QAM	12	13	18.26	18.22	18.26			1.85	1.74							



Band 48 Ant10 DS13 Default										
RF (MHz)	Modulation	File Size	RF Offset	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Power (mW)	Turn-on time (dBm)	MPR (dB)
Channel				56300	56300	56100	56600			
20	QPSK	1	0	23.78	24.04	23.98	23.83			
20	QPSK	1	49	23.88	23.88	23.83	23.89		25.7	0
20	QPSK	1	99	23.81	24.03	23.98	23.84			
20	QPSK	56	0	22.69	23.03	22.95	22.81			
20	QPSK	56	24	23.00	22.94	23.00	22.94		24.7	1
20	QPSK	56	49	22.98	23.11	23.06	22.91			
20	QPSK	100	0	22.98	23.08	23.02	22.98			
20	HQAM	1	0	22.83	22.93	22.88	22.79			
20	HQAM	1	49	22.88	23.11	23.09	22.91		24.7	1
20	HQAM	1	99	22.74	22.86	22.76	22.75			
20	HQAM	56	0	21.89	21.90	21.87	21.84			
20	HQAM	56	24	21.84	21.90	21.97	21.90		23.7	2
20	HQAM	56	49	22.04	22.05	22.12	22.05			
20	HQAM	100	0	21.75	21.84	21.88	21.84			
20	HQAM	1	99	21.85	21.90	21.88	21.78		23.7	2
20	HQAM	1	99	21.83	21.93	21.81	21.81			
20	HQAM	1	99	21.01	20.99	21.03	20.99			
20	HQAM	56	24	21.75	21.76	21.79	21.76		22.7	3
20	HQAM	56	100	20.98	21.01	21.03	20.98			
20	HQAM	100	0	21.02	21.02	21.07	21.02			
20	HQAM	1	0	18.87	19.04	18.90	18.83			
20	HQAM	1	49	18.86	18.90	18.85	18.95		20.7	5
20	HQAM	1	99	19.03	19.09	19.07	19.06			
20	HQAM	56	0	18.99	19.09	18.94	18.87			
20	HQAM	56	24	19.09	18.87	18.88	19.03		20.7	5
20	HQAM	56	49	18.86	18.93	18.82	19.03			
20	HQAM	100	0	18.91	19.20	19.05	18.88			
Channel				56300	56300	56100	56600			
Frequency (MHz)				3651.5	3606	3642	3692.5	Turn-on time (dBm)	MPR (dB)	
15	QPSK	1	0	23.86	23.95	23.73	23.95			
15	QPSK	1	49	23.75	23.84	23.81	23.76		25.7	0
15	QPSK	1	99	23.88	23.85	23.81	23.93			
15	QPSK	36	0	22.61	22.99	22.95	22.81			
15	QPSK	36	24	22.93	22.95	23.00	22.83		24.7	1
15	QPSK	36	49	22.83	22.95	22.92	22.85			
15	QPSK	75	0	22.91	22.99	22.92	22.85			
15	HQAM	1	0	22.82	22.90	22.74	22.82			
15	HQAM	1	49	22.73	22.92	22.82	22.82		24.7	1
15	HQAM	1	99	22.82	22.78	22.80	22.78			
15	HQAM	36	0	21.78	21.87	21.79	21.82			
15	HQAM	36	24	21.75	21.93	21.93	21.78		23.7	2
15	HQAM	36	99	21.88	21.99	22.02	21.98			
15	HQAM	75	0	21.97	22.01	22.07	21.92			
15	HQAM	1	99	21.76	21.88	21.87	21.76		23.7	2
15	HQAM	1	99	21.75	21.76	21.72	21.70			
15	HQAM	36	24	21.73	21.88	21.87	21.73			
15	HQAM	36	49	21.70	21.85	21.84	21.70			
15	HQAM	75	0	20.98	21.00	21.01	20.95			
15	HQAM	1	99	20.93	21.00	20.98	20.88		22.7	3
15	HQAM	1	99	20.85	20.85	20.83	20.88			
15	HQAM	36	24	20.90	21.00	21.01	20.95			
15	HQAM	36	49	20.87	20.98	20.99	20.83			
15	HQAM	75	0	18.84	18.81	18.76	18.87		20.7	5
15	HQAM	1	99	18.85	18.81	18.86	18.82			
15	HQAM	36	24	18.90	18.82	18.82	18.83			
15	HQAM	36	49	19.10	18.76	18.85	18.87			
15	HQAM	75	0	18.86	18.75	18.77	18.86		20.7	5
15	HQAM	75	49	18.87	18.86	18.83	18.89			
Channel				56300	56415	56100	56600			
Frequency (MHz)				3651.5	3667	3642	3697.5	Turn-on time (dBm)	MPR (dB)	
15	QPSK	1	0	23.95	23.95	23.71	23.95			
15	QPSK	1	49	23.78	23.88	23.79	23.93		25.7	0
15	QPSK	1	99	23.81	23.91	23.86	23.93			
15	QPSK	25	0	22.61	22.90	22.77	22.76			
15	QPSK	25	12	22.94	23.00	22.96	22.82		24.7	1
15	QPSK	25	12	22.92	23.05	23.05	22.86			
15	QPSK	50	0	22.87	22.82	22.87	22.82			
15	QPSK	50	12	22.72	22.88	22.88	22.63			
15	HQAM	1	0	22.75	22.95	22.84	22.79		24.7	1
15	HQAM	1	49	22.79	23.01	23.01	22.72			
15	HQAM	1	99	22.85	23.00	22.99	22.79			
15	HQAM	25	12	21.75	21.90	21.84	21.80		23.7	2
15	HQAM	25	12	21.75	21.90	21.84	21.80			
15	HQAM	50	0	21.95	22.02	22.09	21.95			
15	HQAM	1	0	21.84	21.72	21.73	21.71		23.7	2
15	HQAM	1	49	21.83	21.80	21.79	21.71			
15	HQAM	1	49	21.73	21.80	21.77	21.76			
15	HQAM	25	12	20.98	20.87	20.89	20.76		22.7	3
15	HQAM	25	12	20.85	20.88	20.86	20.82			
15	HQAM	25	25	20.91	20.89	20.93	20.82			
15	HQAM	50	0	21.05	21.03	21.03	20.84			
15	HQAM	1	0	18.88	18.93	18.76	18.75			
15	HQAM	1	49	18.79	18.86	18.75	18.94		20.7	5
15	HQAM	1	99	18.81	18.89	18.88	18.88			
15	HQAM	25	12	18.82	18.89	18.84	18.83			
15	HQAM	25	25	18.87	18.74	18.74	18.81			
15	HQAM	50	0	18.80	18.75	18.80	18.75		20.7	5
15	HQAM	50	0	18.85	18.75	18.80	18.75			
Channel				56300	5667	5642	5697.5	Turn-on time (dBm)	MPR (dB)	
15	QPSK	1	0	23.75	23.95	23.76	23.73			
15	QPSK	1	49	23.72	23.84	23.82	23.76		25.7	0
15	QPSK	1	99	23.89	23.88	23.80	23.84			
15	QPSK	12	0	22.62	22.68	22.68	22.57			
15	QPSK	12	7	22.85	22.97	22.95	22.84		24.7	1
15	QPSK	12	15	22.90	22.89	22.88	22.84			
15	QPSK	25	0	22.93	22.98	22.98	22.83			
15	HQAM	1	0	22.83	22.79	22.84	22.79			
15	HQAM	1	49	22.83	22.77	22.82	22.79		24.7	1
15	HQAM	1	99	22.75	22.72	22.70	22.64			
15	HQAM	12	0	21.75	21.80	21.73	21.80		23.7	2
15	HQAM	12	13	21.86	21.98	21.91	21.83			
15	HQAM	12	13	21.98	22.00	22.05	21.93			
15	HQAM	25	0	21.98	21.90	22.03	21.95			
15	HQAM	25	0	21.75	21.82	21.81	21.71		23.7	2
15	HQAM	25	12	21.74	21.82	21.76	21.81			
15	HQAM	25	12	21.75	21.84	21.78	21.74			
15	HQAM	12	9	20.87	20.90	20.92	20.84			
15	HQAM	12	7	20.97	20.99	20.93	20.91		22.7	3
15	HQAM	12	15	20.90	20.88	21.01	20.88			
15	HQAM	25	0	20.95	20.98	20.97	20.83			
15	HQAM	25	12	20.87	20.87	20.87	20.81			
15	HQAM	25	12	18.80	18.85	18.81	18.84		20.7	5
15	HQAM	1	49	18.83	18.80	18.83	18.96			
15	HQAM	1	99	18.82	18.82	18.82	18.81			
15	HQAM	12	7	18.89	18.81	18.83	18.83		20.7	5
15	HQAM	12	13	18.87	18.82	18.80	18.85			
15	HQAM	25	0	18.81	18.82	18.80	18.80			

Band 42 Ant11 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)			
Channel				42160	42600	42660					
Frequency (MHz)				3466	3600	3646					
20	QPSK	1	0	20.58	20.84	20.88	22.5	0			
20	QPSK	1	40	20.59	20.87	20.84					
20	QPSK	1	80	20.63	20.86	20.81					
20	QPSK	50	0	20.62	20.78	20.54					
20	QPSK	50	24	20.58	20.64	20.72	22.5	0			
20	QPSK	50	48	20.51	20.61	20.53					
20	QPSK	100	0	20.56	20.71	20.53					
20	16QAM	1	0	20.60	20.68	20.59					
20	16QAM	1	40	20.67	20.74	20.76	22.5	0			
20	16QAM	1	80	20.59	20.59	20.68					
20	16QAM	50	0	20.72	20.72	20.80					
20	16QAM	50	24	20.66	20.75	20.54					
20	16QAM	100	0	20.68	20.49	20.70	21.5	1			
20	64QAM	1	0	20.61	20.76	20.64					
20	64QAM	1	40	20.59	20.51	20.45					
20	64QAM	1	80	20.67	20.63	20.69					
20	64QAM	1	160	20.62	20.61	20.61	21.5	1			
20	64QAM	50	24	19.51	19.63	19.85					
20	64QAM	50	50	19.59	19.62	19.69					
20	256QAM	1	0	17.52	17.95	17.99					
20	256QAM	1	40	17.54	17.54	17.68	18.5	4			
20	256QAM	1	80	17.74	17.58	17.74					
20	256QAM	50	0	17.48	17.72	17.67					
20	256QAM	50	24	17.52	17.61	17.61					
20	256QAM	50	48	17.73	17.50	17.67	18.5			4	
20	256QAM	100	0	17.75	17.63	17.61					
Channel				3467.5	3600	3642.5					
Frequency (MHz)				20.76 <td>20.86</td> <td>20.71</td> <th colspan="3"></th>	20.86	20.71					
15	QPSK	1	0	20.76	20.86	20.71	22.5	0			
15	QPSK	1	37	20.75	20.81	20.80					
15	QPSK	1	74	20.53	20.63	20.51					
15	QPSK	36	0	20.68	20.68	20.54					
15	QPSK	36	20	20.53	20.58	20.78	22.5	0			
15	QPSK	36	39	20.54	20.72	20.55					
15	QPSK	36	58	20.50	20.73	20.81					
15	16QAM	1	0	20.60	20.64	20.56					
15	16QAM	1	37	20.54	20.58	20.77	22.5	0			
15	16QAM	1	74	20.54	20.58	20.77					
15	16QAM	36	0	20.70	20.70	20.68					
15	16QAM	36	20	20.74	20.78	20.56					
15	16QAM	36	39	20.69	20.47	20.72	21.5	1			
15	16QAM	75	0	20.61	20.46	20.63					
15	64QAM	1	0	20.58	20.67	20.59					
15	64QAM	1	37	20.47	20.45	20.50					
15	64QAM	1	74	20.62	20.51	20.61	21.5	1			
15	64QAM	36	0	19.64	19.85	19.80					
15	64QAM	36	20	19.67	19.57	19.62					
15	64QAM	36	39	19.60	19.62	19.64					
15	64QAM	75	0	19.58	19.76	19.68	20.5	2			
15	256QAM	1	0	17.55	17.45	17.65					
15	256QAM	1	37	17.57	17.85	17.77					
15	256QAM	1	74	17.77	17.85	17.77					
15	256QAM	36	0	17.52	17.72	17.74	18.5	4			
15	256QAM	36	20	17.85	17.88	17.85					
15	256QAM	36	39	17.81	17.47	17.68					
15	256QAM	75	0	17.72	17.73	17.63					
Channel				42160	42600	42660					
Frequency (MHz)				3467.5	3600	3642.5					
10	QPSK	1	0	20.54	20.78	20.69	22.5	0			
10	QPSK	1	25	20.51	20.57	20.60					
10	QPSK	1	50	20.67	20.73	20.50					
10	QPSK	25	0	20.58	20.65	20.64					
10	QPSK	25	12	20.52	20.61	20.62	22.5	0			
10	QPSK	25	37	20.55	20.68	20.54					
10	QPSK	50	0	20.65	20.62	20.64					
10	16QAM	1	0	20.55	20.63	20.63					
10	16QAM	1	25	20.79	20.81	20.79	22.5	0			
10	16QAM	1	49	20.64	20.58	20.72					
10	16QAM	25	0	20.75	20.60	20.59					
10	16QAM	25	12	20.74	20.66	20.62					
10	16QAM	25	37	20.61	20.44	20.70	21.5	1			
10	16QAM	50	0	20.77	20.55	20.72					
10	64QAM	1	0	20.73	20.67	20.63					
10	64QAM	1	25	20.68	20.70	20.43					
10	64QAM	1	49	20.58	20.71	20.65	21.5	1			
10	64QAM	25	0	19.58	19.73	19.81					
10	64QAM	25	12	19.57	19.62	19.67					
10	64QAM	25	37	19.52	19.54	19.72					
10	64QAM	50	0	19.74	19.65	19.71	20.5	2			
10	64QAM	50	25	19.65	19.63	19.67					
10	256QAM	1	0	17.63	17.77	17.77					
10	256QAM	1	25	17.65	17.54	17.77					
10	256QAM	1	49	17.65	17.45	17.76	18.5	4			
10	256QAM	25	0	17.41	17.64	17.64					
10	256QAM	25	12	17.77	17.77	17.77					
10	256QAM	25	37	17.76	17.45	17.71					
10	256QAM	50	0	17.64	17.49	17.50	18.5	4			
10	256QAM	50	25	17.69	17.69	17.50					
Channel				3467.5	3600	3642.5					
Frequency (MHz)				20.56 <td>20.80</td> <td>20.69</td> <th colspan="3"></th>	20.80	20.69					
5	QPSK	1	0	20.56	20.80	20.69	22.5	0			
5	QPSK	1	10	20.61	20.66	20.59					
5	QPSK	1	24	20.59	20.79	20.60					
5	QPSK	12	0	20.52	20.67	20.54					
5	QPSK	12	7	20.55	20.74	20.53	22.5	0			
5	QPSK	12	13	20.51	20.62	20.58					
5	QPSK	25	0	20.55	20.62	20.63					
5	16QAM	1	0	20.63	20.62	20.64					
5	16QAM	1	12	20.56	20.64	20.61	22.5	0			
5	16QAM	1	24	20.56	20.64	20.77					
5	16QAM	12	0	20.71	20.69	20.58					
5	16QAM	12	7	20.73	20.74	20.59					
5	16QAM	12	13	20.76	20.43	20.61	21.5	1			
5	16QAM	25	0	20.59	20.47	20.61					
5	64QAM	1	0	20.65	20.78	20.76					
5	64QAM	1	12	20.68	20.60	20.48					
5	64QAM	1	24	20.75	20.53	20.72	21.5	1			
5	64QAM	12	0	19.72	19.92	19.81					
5	64QAM	12	7	19.69	19.69	19.67					
5	64QAM	12	13	19.60	19.60	19.65					
5	64QAM	25	0	19.60	19.79	19.79	20.5	2			
5	256QAM	1	0	17.48	17.83	17.69					
5	256QAM	1	10	17.45	17.45	17.60					
5	256QAM	1	24	17.79	17.62	17.77					
5	256QAM	12	0	17.69	17.66	17.68	18.5	4			
5	256QAM	12	7	17.69	17.88	17.77					
5	256QAM	12	13	17.78	17.49	17.78					
5	256QAM	25	0	17.69	17.66	17.55					

Band 48 Ant11 DSI3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power/ Ch / Freq	Power/ Ch / Freq	Power/ Ch / Freq	Power/ Ch / Freq	Time-up limit (dBm)	MFR (dB)
Channel				50340	50800	50160	50660		
Frequency (MHz)				3502.5	3600	3646	3697.5		
20	QPSK	1	0	21.70	21.79	21.76	21.62	23.5	0
20	QPSK	1	40	21.68	21.60	21.65	21.64		
20	QPSK	1	80	21.70	21.77	21.73	21.70		
20	QPSK	50	0	20.59	20.83	20.70	20.63		
20	QPSK	50	40	20.76	20.87	20.88	20.76	22.5	1
20	QPSK	50	80	20.79	20.77	20.77	20.79		
20	QPSK	100	0	20.74	20.76	20.69	20.68		
20	QPSK	100	40	20.80	20.78	20.78	20.79		
20	16QAM	1	0	20.74	20.83	20.79	20.71	22.5	1
20	16QAM	1	40	20.74	20.79	20.59	20.71		
20	16QAM	1	80	20.73	20.78	20.51	20.72		
20	16QAM	1	120	19.73	19.83	19.82	19.88		
20	16QAM	50	-24	19.92	19.75	19.89	19.81	21.5	2
20	16QAM	50	0	19.95	19.75	19.71	19.81		
20	16QAM	50	40	19.85	19.83	19.84	19.80		
20	16QAM	50	80	19.85	19.80	19.80	19.80		
20	64QAM	1	0	19.85	19.75	19.83	19.75	21.5	2
20	64QAM	1	40	19.85	19.75	19.83	19.75		
20	64QAM	1	80	19.87	19.83	19.80	19.85		
20	64QAM	1	120	19.85	19.78	19.88	19.80		
20	64QAM	50	0	19.82	19.85	19.88	19.80	20.5	3
20	64QAM	50	40	19.82	19.85	19.88	19.80		
20	64QAM	50	80	19.82	19.85	19.88	19.80		
20	64QAM	50	120	19.82	19.85	19.88	19.80		
20	256QAM	1	0	19.80	19.77	19.88	19.69	18.5	5
20	256QAM	1	40	19.83	19.80	19.88	19.80		
20	256QAM	1	80	19.72	19.82	19.88	19.80		
20	256QAM	50	0	19.69	19.89	19.88	19.82		
20	256QAM	50	40	19.68	19.89	19.88	19.82	18.5	5
20	256QAM	50	80	19.67	19.89	19.88	19.82		
20	256QAM	50	120	19.63	19.77	19.77	19.80		
20	256QAM	100	0	19.61	19.79	19.76	19.75		
Channel				50340	50800	50160	50660		
Frequency (MHz)				3502.5	3600	3646	3697.5	Time-up limit (dBm)	MFR (dB)
10	QPSK	1	0	21.67	21.69	21.69	21.64	23.5	0
10	QPSK	1	37	21.65	21.68	21.67	21.67		
10	QPSK	1	74	21.61	21.62	21.57	21.59		
10	QPSK	1	111	20.64	20.64	20.64	20.64		
10	QPSK	50	0	20.59	20.63	20.50	20.50	22.5	1
10	QPSK	50	39	20.75	20.62	20.74	20.74		
10	QPSK	50	77	20.63	20.71	20.67	20.64		
10	16QAM	1	0	20.67	20.65	20.75	20.67		
10	16QAM	1	37	20.58	20.63	20.66	20.67	20.5	1
10	16QAM	1	74	20.58	20.63	20.66	20.67		
10	16QAM	36	0	19.82	19.84	19.79	19.81		
10	16QAM	36	108	19.76	19.82	19.88	19.88		
10	16QAM	36	39	19.73	19.79	19.87	19.88	21.5	2
10	16QAM	75	0	19.73	19.88	19.90	19.83		
10	16QAM	75	37	19.87	19.80	19.88	19.88		
10	16QAM	1	267	19.62	19.54	19.83	19.68		
10	16QAM	1	274	19.64	19.58	19.83	19.64	21.5	2
10	16QAM	36	0	19.85	19.83	19.89	19.82		
10	64QAM	36	0	20.75	19.85	19.79	19.88		
10	64QAM	36	108	19.76	19.76	19.88	19.81		
10	64QAM	75	0	19.67	19.60	19.68	19.71	20.5	3
10	64QAM	75	37	19.60	19.76	19.88	19.81		
10	64QAM	75	74	19.60	19.76	19.88	19.81		
10	256QAM	1	87	19.55	19.65	19.62	19.55		
10	256QAM	1	124	19.59	19.84	19.68	19.67	18.5	5
10	256QAM	1	161	19.58	19.84	19.68	19.68		
10	256QAM	36	0	19.69	19.84	19.85	19.70		
10	256QAM	36	108	19.64	19.89	19.75	19.62		
10	256QAM	36	161	19.73	19.72	19.87	19.87	18.5	5
10	256QAM	50	0	19.70	19.72	19.87	19.87		
10	256QAM	50	39	19.70	19.72	19.87	19.87		
10	256QAM	50	77	19.70	19.72	19.87	19.87		
Channel				50340	50800	50160	50660		
Frequency (MHz)				3502.5	3600	3646	3697.5	Time-up limit (dBm)	MFR (dB)
10	QPSK	1	0	21.71	21.77	21.78	21.51	23.5	0
10	QPSK	1	37	21.68	21.69	21.50	21.67		
10	QPSK	1	74	21.68	21.71	21.71	21.63		
10	QPSK	20	0	20.56	20.65	20.60	20.59		
10	QPSK	20	12	20.56	20.64	20.63	20.70	22.5	1
10	QPSK	20	24	20.56	20.64	20.63	20.70		
10	QPSK	50	0	20.60	20.67	20.50	20.69		
10	QPSK	50	20	20.65	20.62	20.62	20.71		
10	16QAM	1	0	20.72	20.64	20.65	20.50	22.5	1
10	16QAM	1	40	20.60	20.60	20.65	20.57		
10	16QAM	1	80	19.69	19.78	19.79	19.64		
10	16QAM	20	12	19.93	19.55	19.69	19.81		
10	16QAM	20	24	19.98	19.76	19.76	19.81	21.5	2
10	16QAM	50	0	19.72	19.55	19.72	19.60		
10	64QAM	1	0	19.60	19.65	19.74	19.67		
10	64QAM	1	40	19.62	19.72	19.77	19.63		
10	64QAM	20	1	19.64	19.72	19.77	19.61	21.5	2
10	64QAM	20	13	19.64	19.72	19.77	19.63		
10	64QAM	20	25	19.80	19.74	19.82	19.67		
10	64QAM	20	37	19.81	19.68	19.84	19.67		
10	256QAM	1	0	19.67	19.63	19.76	19.60	18.5	5
10	256QAM	1	25	19.62	19.60	19.82	19.66		
10	256QAM	1	50	19.67	19.77	19.87	19.69		
10	256QAM	20	0	19.67	19.78	19.56	19.67		
10	256QAM	20	25	19.74	19.62	19.70	19.70	18.5	5
10	256QAM	50	0	19.75	19.68	19.69	19.65		
10	256QAM	50	25	19.75	19.68	19.69	19.65		
10	256QAM	50	50	19.75	19.68	19.69	19.65		
Channel				50340	50800	50160	50660		
Frequency (MHz)				3502.5	3600	3646	3697.5	Time-up limit (dBm)	MFR (dB)
10	QPSK	1	0	21.61	21.67	21.60	21.62	23.5	0
10	QPSK	1	12	21.61	21.67	21.61	21.62		
10	QPSK	1	24	21.52	21.67	21.72	21.69		
10	QPSK	1	36	20.56	20.78	20.62	20.59		
10	QPSK	12	7	20.64	20.67	20.68	20.77	22.5	1
10	QPSK	12	15	20.67	20.71	20.64	20.65		
10	QPSK	12	23	20.52	20.59	20.59	20.59		
10	QPSK	50	0	20.56	20.79	20.69	20.70		
10	16QAM	1	0	20.65	20.66	20.65	20.65	22.5	1
10	16QAM	1	24	20.63	20.65	20.79	20.71		
10	16QAM	12	0	19.60	19.84	19.67	19.60		
10	16QAM	12	12	19.63	19.84	19.84	19.63		
10	16QAM	12	13	19.84	19.82	19.77	19.82	21.5	2
10	16QAM	20	0	19.88	19.67	19.80	19.74		
10	16QAM	20	12	19.76	19.76	19.79	19.84		
10	16QAM	1	12	19.82	19.82	19.71	19.87		
10	64QAM	1	0	19.83	19.82	19.83	19.83	20.5	3
10	64QAM	12	0	19.84	19.80	19.80	19.79		
10	64QAM	12	0	19.69	19.68	19.59	19.78		
10	64QAM	12	12	19.68	19.68	19.68	19.68		
10	256QAM	1	12	19.54	19.68	19.55	19.63	18.5	5
10	256QAM	1	24	19.64	19.63	19.63	19.67		
10	256QAM	1	36	19.56	19.62	19.62	19.71		
10	256QAM	12	7	19.65	19.62	19.59	19.67		
10	256QAM	12	13	19.72	19.67	19.60	19.60	18.5	5
10	256QAM	12	15	19.72	19.67	19.60	19.60		
10	256QAM	12	23	19.61	19.67	19.67	19.67		
10	256QAM	50	0	19.61	19.67	19.67	19.67		

GSM850 Amd CDMA Default						
Channel	Power Average Power (dBm)			Power Average Power (dBm)		
TX Channel	Min	Max	Limit	Min	Max	Limit
Frequency (MHz)	254.2	371.5	381.8	254.2	371.5	381.8
CDMA 1 Tx amd	32.19	32.19	32.08	33.50	23.19	23.19
GP850 1 Tx amd	32.35	32.29	32.32	33.50	23.35	23.32
GP850 2 Tx amd	23.13	23.07	23.00	33.50	23.13	23.07
GP850 3 Tx amd	27.63	27.23	27.15	28.50	23.37	22.89
GP850 4 Tx amd	28.36	28.14	27.99	27.50	22.34	22.30
EDGE 1 Tx amd	26.33	26.17	26.12	27.33	17.33	17.19
EDGE 2 Tx amd	23.30	23.12	23.01	24.50	17.30	17.12
EDGE 3 Tx amd	23.37	23.12	23.04	22.50	17.31	17.30
EDGE 4 Tx amd	20.33	20.28	20.19	21.50	17.33	17.19

WCDMA V Amd CDMA Default						
Band	WCDMA V			Power Average Power (dBm)		
TX Channel	41.52	41.52	42.53	Min	Max	Limit
TX Channel	44.57	44.57	44.59	Min	Max	Limit
Frequency (MHz)	45.94	45.94	46.16	Min	Max	Limit
SCPP Rel 80	24.34	24.43	24.25	25.50		
SCPP Rel 81	24.35	24.45	24.27	25.50		
SCPP Rel 82	23.32	23.29	23.41	24.50		
SCPP Rel 83	23.34	23.41	23.27	24.50		
SCPP Rel 84	23.35	23.34	23.74	24.50		
SCPP Rel 85	23.03	22.61	22.87	24.50		
SCPP Rel 86	23.43	23.44	23.28	24.50		
SCPP Rel 87	22.85	23.01	23.25	24.50		
SCPP Rel 88	22.85	22.85	22.85	24.50		
SCPP Rel 89	22.75	22.88	23.07	24.50		
SCPP Rel 90	23.39	23.45	23.28	24.50		
SCPP Rel 91	23.42	23.43	23.35	25.50		
SCPP Rel 92	22.32	22.55	22.28	23.50		
SCPP Rel 93	22.47	22.44	22.43	23.50		
SCPP Rel 94	23.32	23.42	23.28	24.50		

Band 4 Ant0 DS14 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (mW)	Power High Ch / Freq. (mW)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. (mW)	Power High Ch / Freq. (mW)	Modulation
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.83	21.83	21.85	20	QPSK	1	0	21.83
20	QPSK	1	48	21.83	21.85	21.84	20	QPSK	1	48	21.83
20	QPSK	1	96	21.75	21.81	21.77	20	QPSK	1	96	21.75
20	QPSK	50	0	20.94	21.03	20.97	20	QPSK	50	0	20.94
20	QPSK	50	24	20.95	20.99	20.96	20	QPSK	50	24	20.95
20	QPSK	50	50	20.94	20.95	20.95	20	QPSK	50	50	20.94
20	QPSK	100	0	20.86	20.88	20.85	20	QPSK	100	0	20.86
20	QPSK	1	0	21.08	21.08	21.08	20	QPSK	1	0	21.08
20	QPSK	1	48	21.18	21.12	21.19	20	QPSK	1	48	21.18
20	QPSK	1	96	21.09	21.09	21.09	20	QPSK	1	96	21.09
20	QPSK	50	24	20.98	20.98	20.98	20	QPSK	50	24	20.98
20	QPSK	50	50	20.95	20.98	20.94	20	QPSK	50	50	20.95
20	QPSK	100	0	19.95	19.97	19.96	20	QPSK	100	0	19.95
20	QPSK	1	48	19.96	19.95	19.95	20	QPSK	1	48	19.96
20	QPSK	1	96	19.88	19.92	19.90	20	QPSK	1	96	19.88
20	QPSK	50	24	19.84	19.85	19.84	20	QPSK	50	24	19.84
20	QPSK	50	50	19.91	19.86	19.86	20	QPSK	50	50	19.91
20	QPSK	100	0	19.93	19.97	19.99	20	QPSK	100	0	19.93
20	QPSK	1	0	17.08	16.94	16.99	20	QPSK	1	0	17.08
20	QPSK	1	48	16.95	16.93	16.91	20	QPSK	1	48	16.95
20	QPSK	1	96	16.93	16.93	16.93	20	QPSK	1	96	16.93
20	QPSK	50	24	16.98	16.98	16.98	20	QPSK	50	24	16.98
20	QPSK	50	50	17.05	16.98	16.95	20	QPSK	50	50	17.05
20	QPSK	100	0	16.93	17.22	17.16	20	QPSK	100	0	16.93
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.72	21.72	21.75	15	QPSK	1	0	21.72
15	QPSK	1	48	21.73	21.68	21.73	15	QPSK	1	48	21.73
15	QPSK	1	96	21.69	21.62	21.61	15	QPSK	1	96	21.69
15	QPSK	50	24	20.87	20.87	20.83	15	QPSK	50	24	20.87
15	QPSK	50	50	20.77	20.82	20.77	15	QPSK	50	50	20.77
15	QPSK	100	0	20.73	20.70	20.64	15	QPSK	100	0	20.73
15	QPSK	1	0	20.88	20.61	20.81	15	QPSK	1	0	20.88
15	QPSK	1	48	20.88	20.81	20.81	15	QPSK	1	48	20.88
15	QPSK	1	96	21.08	21.10	21.12	15	QPSK	1	96	21.08
15	QPSK	50	24	19.87	19.86	19.78	15	QPSK	50	24	19.87
15	QPSK	50	50	19.87	19.86	19.86	15	QPSK	50	50	19.87
15	QPSK	100	0	19.88	19.87	19.74	15	QPSK	100	0	19.88
15	QPSK	1	48	19.88	19.87	19.86	15	QPSK	1	48	19.88
15	QPSK	1	96	19.85	19.74	19.83	15	QPSK	1	96	19.85
15	QPSK	50	24	19.91	19.91	19.86	15	QPSK	50	24	19.91
15	QPSK	50	50	19.91	19.91	19.86	15	QPSK	50	50	19.91
15	QPSK	100	0	19.88	19.87	19.76	15	QPSK	100	0	19.88
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	19.94	15	QPSK	50	50	19.94
15	QPSK	100	0	19.94	19.94	19.94	15	QPSK	100	0	19.94
15	QPSK	1	0	19.94	19.94	19.94	15	QPSK	1	0	19.94
15	QPSK	1	48	19.94	19.94	19.94	15	QPSK	1	48	19.94
15	QPSK	1	96	19.94	19.94	19.94	15	QPSK	1	96	19.94
15	QPSK	50	24	19.94	19.94	19.94	15	QPSK	50	24	19.94
15	QPSK	50	50	19.94	19.94	1					



Band 13 Ant0 DS14 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Time-up Int (min)	MPR (dB)					
Channel													
Frequency (MHz)													
762													
5	QPSK	1	0	23.30	23.30	23.30	24.5	0					
5	QPSK	1	25	23.33	23.33	23.33							
5	QPSK	1	49	23.33	23.33	23.33							
5	QPSK	1	73	23.33	23.33	23.33							
5	QPSK	25	12	22.50	22.50	22.50	23.5	1					
5	QPSK	25	25	22.44	22.44	22.44							
5	QPSK	25	38	22.44	22.44	22.44							
5	QPSK	25	51	22.44	22.44	22.44							
5	WQAM	1	0	22.28	22.28	22.28	23.5	1					
5	WQAM	1	25	22.43	22.43	22.43							
5	WQAM	1	49	22.59	22.59	22.59							
5	WQAM	25	0	21.49	21.49	21.49							
5	WQAM	25	12	21.55	21.55	21.55	22.5	2					
5	WQAM	25	25	21.59	21.59	21.59							
5	WQAM	50	0	21.48	21.48	21.48							
5	WQAM	50	0	21.53	21.53	21.53							
5	WQAM	1	25	21.54	21.54	21.54	22.5	2					
5	WQAM	1	49	21.62	21.62	21.62							
5	WQAM	25	0	20.46	20.46	20.46							
5	WQAM	25	25	21.69	21.69	21.69							
5	WQAM	25	12	21.65	21.65	21.65	21.5	3					
5	WQAM	25	25	21.68	21.68	21.68							
5	WQAM	50	0	20.35	20.35	20.35							
5	WQAM	50	0	20.40	20.40	20.40							
5	SSBQAM	1	0	18.46	18.46	18.46	19.5	5					
5	SSBQAM	1	49	18.45	18.45	18.45							
5	SSBQAM	1	98	18.39	18.39	18.39							
5	SSBQAM	25	0	18.51	18.51	18.51							
5	SSBQAM	25	12	18.42	18.42	18.42	19.5	5					
5	SSBQAM	25	25	18.44	18.44	18.44							
5	SSBQAM	25	38	18.45	18.45	18.45							
5	SSBQAM	50	0	18.53	18.53	18.53							
Time-up Int (min)													
762													
5	QPSK	1	0	23.18	23.23	23.21	24.5	0					
5	QPSK	1	13	23.25	23.25	23.28							
5	QPSK	1	24	23.22	23.28	23.30							
5	QPSK	12	0	22.40	22.35	22.39							
5	QPSK	12	7	22.34	22.38	22.44	23.5	1					
5	QPSK	12	13	22.48	22.44	22.48							
5	QPSK	25	0	22.35	22.40	22.51							
5	QPSK	25	7	22.34	22.38	22.44							
5	WQAM	1	12	22.38	22.38	22.37	23.5	1					
5	WQAM	1	24	22.36	22.36	22.39							
5	WQAM	12	5	21.43	21.41	21.48							
5	WQAM	12	7	21.49	21.43	21.47							
5	WQAM	12	13	21.50	21.48	21.44	22.5	2					
5	WQAM	25	6	21.41	21.41	21.48							
5	WQAM	1	0	21.42	21.47	21.51							
5	WQAM	1	19	21.58	21.57	21.63							
5	WQAM	1	24	21.45	21.59	21.46	21.5	3					
5	WQAM	12	0	20.47	20.44	20.41							
5	WQAM	12	7	20.44	20.43	20.43							
5	WQAM	12	13	20.38	20.34	20.35							
5	WQAM	25	0	20.39	20.26	20.26	19.5	5					
5	SSBQAM	1	0	18.37	18.45	18.27							
5	SSBQAM	1	12	18.29	18.22	18.25							
5	SSBQAM	12	0	18.40	18.23	18.27							
5	SSBQAM	12	7	18.35	18.24	18.21	19.5	5					
5	SSBQAM	12	13	18.34	18.24	18.44							
5	SSBQAM	25	0	18.39	18.30	18.33							
5	SSBQAM	25	6	18.38	18.30	18.33							

Band 17 Ant0 DS14 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Mode Ch./Freq.	Power High Ch./Freq.	Time-up Int (min)	MPR (dB)					
Channel													
Frequency (MHz)													
762													
5	QPSK	1	0	24.30	24.30	24.25	25.5	0					
5	QPSK	1	25	24.31	24.31	24.21							
5	QPSK	1	49	24.28	24.25	24.15							
5	QPSK	25	0	23.27	23.40	23.26							
5	QPSK	25	12	23.26	23.37	23.23	24.5	1					
5	QPSK	25	25	23.25	23.24	23.27							
5	QPSK	50	0	23.32	23.38	23.34							
5	WQAM	1	0	23.29	23.31	23.21							
5	WQAM	1	25	23.18	23.17	23.22	24.5	1					
5	WQAM	1	49	23.16	23.18	23.18							
5	WQAM	25	0	22.44	22.39	22.44							
5	WQAM	25	12	22.38	22.31	22.38							
5	WQAM	25	25	22.26	22.28	22.22	23.5	2					
5	WQAM	50	0	22.41	22.35	22.38							
5	WQAM	1	0	22.51	22.51	22.51							
5	WQAM	1	25	22.24	22.26	22.30							
5	WQAM	1	49	22.16	22.15	22.15	23.5	2					
5	WQAM	25	0	21.29	21.23	21.28							
5	WQAM	25	12	21.14	21.16	21.20							
5	WQAM	25	25	21.28	21.26	21.34							
5	SSBQAM	1	0	19.35	19.35	19.29	20.5	5					
5	SSBQAM	1	25	19.36	19.45	19.31							
5	SSBQAM	25	0	19.35	19.40	19.30							
5	SSBQAM	25	12	19.37	19.44	19.37							
5	SSBQAM	25	25	19.27	19.21	19.23	20.5	5					
5	SSBQAM	50	0	19.35	19.29	19.29							
Channel													
766.5													
5	QPSK	1	0	24.18	24.18	24.18			25.5	0			
5	QPSK	1	14	23.28	24.32	23.55							
5	QPSK	1	24	24.17	24.17	24.04							
5	QPSK	12	0	23.14	23.18	23.19							
5	QPSK	12	7	23.28	23.28	23.30	24.5	1					
5	QPSK	12	13	23.15	23.11	23.14							
5	QPSK	25	0	23.28	23.24	23.19							
5	QPSK	25	7	23.18	23.21	23.21	24.5	1					
5	QPSK	25	13	23.16	23.13	23.17							
5	WQAM	1	24	23.28	23.28	22.99							
5	WQAM	1	25	23.31	23.31	23.21							
5	WQAM	12	7	22.03	22.06	22.13							
5	WQAM	12	13	22.21	22.22	22.07							
5	WQAM	12	19	22.39	22.39	22.23							
5	WQAM	1	0	22.03	21.88	22.00	23.5	2					
5	WQAM	1	24	22.14	22.08	22.00							
5	WQAM	1	24	22.04	22.08	22.01							
5	WQAM	12	0	21.31	21.22	21.32							
5	WQAM	1	24	21.21	21.13	21.20	22.5	3					
5	WQAM	12	13	21.19	21.20	21.28							
5	WQAM	25	0	21.15	21.21	21.17							
5	WQAM	25	12	21.04	21.07	21.09							
5	WQAM	25	19	21.05	21.05	21.05							
5	WQAM	12	19	20.27	20.35	20.35							
5	SSBQAM	1	24	19.33	19.32	19.26	20.5	5					
5	SSBQAM	12	19	19.34	19.34	19.28							
5	SSBQAM	12	7	19.18	19.42	19.34							
5	SSBQAM	25	19	19.23	19.19	19.23							

Band 38 Ant0 DS14(only on channel required)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up Int. (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.66	21.67	21.68	23	0		
20	QPSK	1	49	21.66	21.67	21.68				
20	QPSK	1	98	21.66	21.67	21.68				
20	QPSK	50	0	20.78	20.79	20.80	22	1		
20	QPSK	50	24	20.78	20.79	20.80				
20	QPSK	50	49	20.78	20.79	20.80				
20	QPSK	100	0	20.78	20.79	20.80	22	1		
20	QPSK	100	50	20.78	20.79	20.80				
20	QPSK	100	99	20.78	20.79	20.80				
20	QPSK	1	0	19.84	19.85	19.86	21	2		
20	QPSK	1	49	19.84	19.85	19.86				
20	QPSK	1	98	19.84	19.85	19.86				
20	QPSK	50	0	18.78	18.79	18.80	21	2		
20	QPSK	50	24	18.78	18.79	18.80				
20	QPSK	50	49	18.78	18.79	18.80				
20	QPSK	100	0	18.78	18.79	18.80	21	2		
20	QPSK	100	50	18.78	18.79	18.80				
20	QPSK	100	99	18.78	18.79	18.80				
20	QPSK	1	0	18.84	18.85	18.86	20	3		
20	QPSK	1	49	18.84	18.85	18.86				
20	QPSK	1	98	18.84	18.85	18.86				
20	QPSK	50	0	17.78	17.79	17.80	18	5		
20	QPSK	50	24	17.78	17.79	17.80				
20	QPSK	50	49	17.78	17.79	17.80				
20	QPSK	100	0	17.78	17.79	17.80	18	5		
20	QPSK	100	50	17.78	17.79	17.80				
20	QPSK	100	99	17.78	17.79	17.80				
20	QPSK	1	0	17.84	17.85	17.86	18	5		
20	QPSK	1	49	17.84	17.85	17.86				
20	QPSK	1	98	17.84	17.85	17.86				
20	QPSK	50	0	16.78	16.79	16.80	18	5		
20	QPSK	50	24	16.78	16.79	16.80				
20	QPSK	50	49	16.78	16.79	16.80				
20	QPSK	100	0	16.78	16.79	16.80	18	5		
20	QPSK	100	50	16.78	16.79	16.80				
20	QPSK	100	99	16.78	16.79	16.80				
20	QPSK	1	0	16.84	16.85	16.86	18	5		
20	QPSK	1	49	16.84	16.85	16.86				
20	QPSK	1	98	16.84	16.85	16.86				
20	QPSK	50	0	15.78	15.79	15.80	18	5		
20	QPSK	50	24	15.78	15.79	15.80				
20	QPSK	50	49	15.78	15.79	15.80				
20	QPSK	100	0	15.78	15.79	15.80	18	5		
20	QPSK	100	50	15.78	15.79	15.80				
20	QPSK	100	99	15.78	15.79	15.80				
20	QPSK	1	0	15.84	15.85	15.86	18	5		
20	QPSK	1	49	15.84	15.85	15.86				
20	QPSK	1	98	15.84	15.85	15.86				
20	QPSK	50	0	14.78	14.79	14.80	18	5		
20	QPSK	50	24	14.78	14.79	14.80				
20	QPSK	50	49	14.78	14.79	14.80				
20	QPSK	100	0	14.78	14.79	14.80	18	5		
20	QPSK	100	50	14.78	14.79	14.80				
20	QPSK	100	99	14.78	14.79	14.80				
20	QPSK	1	0	14.84	14.85	14.86	18	5		
20	QPSK	1	49	14.84	14.85	14.86				
20	QPSK	1	98	14.84	14.85	14.86				
20	QPSK	50	0	13.78	13.79	13.80	18	5		
20	QPSK	50	24	13.78	13.79	13.80				
20	QPSK	50	49	13.78	13.79	13.80				
20	QPSK	100	0	13.78	13.79	13.80	18	5		
20	QPSK	100	50	13.78	13.79	13.80				
20	QPSK	100	99	13.78	13.79	13.80				
20	QPSK	1	0	13.84	13.85	13.86	18	5		
20	QPSK	1	49	13.84	13.85	13.86				
20	QPSK	1	98	13.84	13.85	13.86				
20	QPSK	50	0	12.78	12.79	12.80	18	5		
20	QPSK	50	24	12.78	12.79	12.80				
20	QPSK	50	49	12.78	12.79	12.80				
20	QPSK	100	0	12.78	12.79	12.80	18	5		
20	QPSK	100	50	12.78	12.79	12.80				
20	QPSK	100	99	12.78	12.79	12.80				
20	QPSK	1	0	12.84	12.85	12.86	18	5		
20	QPSK	1	49	12.84	12.85	12.86				
20	QPSK	1	98	12.84	12.85	12.86				
20	QPSK	50	0	11.78	11.79	11.80	18	5		
20	QPSK	50	24	11.78	11.79	11.80				
20	QPSK	50	49	11.78	11.79	11.80				
20	QPSK	100	0	11.78	11.79	11.80	18	5		
20	QPSK	100	50	11.78	11.79	11.80				
20	QPSK	100	99	11.78	11.79	11.80				
20	QPSK	1	0	11.84	11.85	11.86	18	5		
20	QPSK	1	49	11.84	11.85	11.86				
20	QPSK	1	98	11.84	11.85	11.86				
20	QPSK	50	0	10.78	10.79	10.80	18	5		
20	QPSK	50	24	10.78	10.79	10.80				
20	QPSK	50	49	10.78	10.79	10.80				
20	QPSK	100	0	10.78	10.79	10.80	18	5		
20	QPSK	100	50	10.78	10.79	10.80				
20	QPSK	100	99	10.78	10.79	10.80				
20	QPSK	1	0	10.84	10.85	10.86	18	5		
20	QPSK	1	49	10.84	10.85	10.86				
20	QPSK	1	98	10.84	10.85	10.86				
20	QPSK	50	0	9.78	9.79	9.80	18	5		
20	QPSK	50	24	9.78	9.79	9.80				
20	QPSK	50	49	9.78	9.79	9.80				
20	QPSK	100	0	9.78	9.79	9.80	18	5		
20	QPSK	100	50	9.78	9.79	9.80				
20	QPSK	100	99	9.78	9.79	9.80				
20	QPSK	1	0	9.84	9.85	9.86	18	5		
20	QPSK	1	49	9.84	9.85	9.86				
20	QPSK	1	98	9.84	9.85	9.86				

Band 48 Ant0 DSI4_FCC													
RF (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 freq (MHz)	MFR (dB)				
Channel				55360	55840	56360	56840						
Frequency (MHz)				3560	3600	3640	3680						
20	QPSK	1	0	21.35	21.43	21.43	21.29	23	0				
20	QPSK	1	40	21.42	21.44	21.44	21.24						
20	QPSK	1	80	21.44	21.46	21.35	21.43						
20	QPSK	30	0	20.52	20.52	20.58	20.48						
20	QPSK	30	34	20.58	20.46	20.50	20.53	22	1				
20	QPSK	30	60	20.59	20.53	20.61	20.59						
20	QPSK	100	0	20.42	20.48	20.45	20.58						
20	16QAM	1	0	20.63	20.57	20.55	20.57						
20	16QAM	1	40	20.71	20.64	20.68	20.65	22	1				
20	16QAM	1	80	20.58	20.59	20.57	20.59						
20	16QAM	30	0	19.63	19.67	19.70	19.69						
20	16QAM	50	24	19.64	19.59	19.59	19.67						
20	16QAM	30	60	19.45	19.46	19.46	19.52	21	2				
20	64QAM	1	0	19.47	19.52	19.45	19.54						
20	64QAM	1	40	19.60	19.57	19.57	19.64						
20	64QAM	1	80	19.47	19.36	19.46	19.42						
20	64QAM	1	99	19.55	19.46	19.46	19.55	21	2				
20	64QAM	30	0	18.61	18.42	18.42	18.64						
20	64QAM	30	34	18.49	18.51	18.50	18.55						
20	64QAM	50	50	18.66	18.60	18.64	18.64						
20	64QAM	100	0	18.55	18.45	18.51	18.55	20	3				
20	256QAM	1	0	18.57	18.48	18.34	18.34						
20	256QAM	1	40	18.47	18.63	18.34	18.49						
20	256QAM	1	80	18.52	18.56	18.37	18.62						
20	256QAM	30	0	18.61	18.77	18.74	18.48	18	5				
20	256QAM	30	34	18.63	18.50	18.55	18.67						
20	256QAM	30	60	18.80	18.61	18.78	18.70						
20	256QAM	100	0	18.54	18.58	18.44	18.50						
Channel				55090	55610	56160	56680						
Frequency (MHz)				3527.5	3569	3612	3653.5						
15	QPSK	1	0	21.21	21.40	21.42	21.24	23	0				
15	QPSK	1	40	21.31	21.33	21.32	21.27						
15	QPSK	1	74	21.31	21.35	21.29	21.40						
15	QPSK	30	0	20.48	20.45	20.47	20.41						
15	QPSK	30	30	20.45	20.40	20.43	20.39	22	1				
15	QPSK	30	60	20.48	20.40	20.49	20.44						
15	QPSK	1	0	20.37	20.30	20.31	20.28						
15	16QAM	1	0	20.52	20.54	20.50	20.47						
15	16QAM	1	37	20.58	20.56	20.56	20.55	22	1				
15	16QAM	1	74	20.52	20.43	20.52	20.52						
15	16QAM	30	0	19.55	19.55	19.64	19.65						
15	16QAM	30	30	19.58	19.51	19.47	19.57						
15	16QAM	30	60	19.37	19.41	19.43	19.43	21	2				
15	16QAM	75	0	19.35	19.45	19.40	19.40						
15	64QAM	1	0	19.49	19.51	19.48	19.58						
15	64QAM	1	37	19.38	19.29	19.41	19.53						
15	64QAM	1	74	19.47	19.42	19.36	19.47	21	2				
15	64QAM	30	0	18.55	18.56	18.55	18.50						
15	64QAM	30	30	18.38	18.47	18.35	18.50						
15	64QAM	30	60	18.52	18.47	18.53	18.49						
15	64QAM	70	0	18.49	18.32	18.48	18.41	20	3				
15	256QAM	1	0	18.42	18.42	18.42	18.42						
15	256QAM	1	37	18.35	18.27	18.27	18.45						
15	256QAM	1	74	18.52	18.52	18.37	18.56						
15	256QAM	30	0	18.50	18.63	18.64	18.35	18	5				
15	256QAM	30	30	18.68	18.54	18.42	18.48						
15	256QAM	30	60	18.67	18.51	18.71	18.59						
15	256QAM	70	0	18.49	18.43	18.24	18.35						
Channel				55090	55610	56160	56680						
Frequency (MHz)				3522.5	3570	3613	3655						
10	QPSK	1	0	21.27	21.44	21.41	21.24	23	0				
10	QPSK	1	25	21.35	21.33	21.13	21.33						
10	QPSK	1	40	21.41	21.45	21.24	21.32						
10	QPSK	20	0	20.53	20.46	20.52	20.38						
10	QPSK	25	12	20.48	20.32	20.50	20.43	22	1				
10	QPSK	25	25	20.54	20.45	20.51	20.45						
10	QPSK	30	0	20.35	20.37	20.37	20.25						
10	16QAM	1	0	20.56	20.44	20.42	20.51						
10	16QAM	1	35	20.82	20.58	20.64	20.60	22	1				
10	16QAM	1	40	20.44	20.54	20.52	20.44						
10	16QAM	20	0	19.48	19.54	19.54	19.65						
10	16QAM	20	12	19.56	19.54	19.52	19.49						
10	16QAM	20	20	19.41	19.44	19.52	19.51	21	2				
10	16QAM	30	0	19.41	19.42	19.39	19.41						
10	64QAM	1	0	19.48	19.49	19.45	19.61						
10	64QAM	1	35	19.33	19.32	19.36	19.30						
10	64QAM	1	40	19.43	19.37	19.39	19.48	21	2				
10	64QAM	25	0	18.57	18.54	18.61	18.59						
10	64QAM	20	12	18.44	18.40	18.38	18.48						
10	64QAM	20	25	18.57	18.54	18.50	18.51						
10	256QAM	1	0	18.49	18.32	18.50	18.41	20	3				
10	256QAM	1	0	18.51	18.38	18.43	18.52						
10	256QAM	1	25	18.52	18.40	18.23	18.38						
10	256QAM	1	40	18.52	18.53	18.17	18.47						
10	256QAM	20	0	18.47	18.50	18.75	18.49	18	5				
10	256QAM	20	12	18.64	18.57	18.57	18.64						
10	256QAM	25	25	18.56	18.47	18.74	18.68						
10	256QAM	30	0	18.43	18.58	18.32	18.59						
Channel				55290	5575	5623	5670						
Frequency (MHz)				3552.5	3607	3663	3697.5						
5	QPSK	1	0	21.22	21.38	21.41	21.15	23	0				
5	QPSK	1	12	21.52	21.50	21.11	21.28						
5	QPSK	1	24	21.37	21.30	21.22	21.30						
5	QPSK	12	0	20.55	20.39	20.45	20.20						
5	QPSK	12	7	20.42	20.43	20.38	20.45	22	1				
5	QPSK	12	13	20.54	20.49	20.51	20.50						
5	QPSK	20	0	20.42	20.34	20.34	20.34						
5	16QAM	1	0	20.85	20.46	20.48	20.47						
5	16QAM	1	12	20.64	20.50	20.64	20.52	22	1				
5	16QAM	1	24	20.53	20.48	20.46	20.49						
5	16QAM	12	0	19.51	19.54	19.60	19.59						
5	16QAM	12	7	19.61	19.55	19.45	19.59						
5	16QAM	12	13	19.40	19.45	19.38	19.52	21	2				
5	16QAM	20	0	19.38	19.44	19.39	19.45						
5	64QAM	1	0	19.48	19.46	19.53	19.61	21	2				
5	64QAM	1	12	19.31	19.30	19.39	19.33						
5	64QAM	1	24	19.47	19.33	19.33	19.43	21	2				
5	64QAM	12	0	18.54	18.50	18.59	18.53						
5	64QAM	12	7	18.35	18.48	18.39	18.50	20	3				
5	64QAM	12	13	18.57	18.57	18.39	18.53						
5	64QAM	20	0	18.45	18.42	18.44	18.45	20	3				
5	64QAM	20	12	18.62	18.48	18.48	18.51						
5	64QAM	1	12	18.29	18.60	18.33	18.46	18	5				
5	256QAM	1	0	18.41	18.56	18.35	18.57						
5	256QAM	1	12	18.50	18.73	18.27	18.56	18	5				
5	256QAM	12	7	18.61	18.41	18.51	18.62						
5	256QAM	12	13	18.63	18.51	18.62	18.61						



GEMM05 AVE DSDA Defect								
Citation		True Average Power (defect)			False Average Power (defect)			
TX Channel		158	169	251	Turnup Level	158	169	251
Power (dBm)		842.2	835.4	848.8		842.2	836.4	848.8
GEM1 TX rate		32.35	32.18	32.18	33.50	23.35	23.18	23.18
GEM2 TX rate		32.35	32.18	32.18	33.50	23.35	23.18	23.18
GEM3 TX rate		26.35	29.81	29.81	50.50	23.63	25.81	23.61
GEM5 TX rate		26.40	28.10	27.09	38.50	24.23	23.03	23.73
GEM6 TX rate		26.40	28.10	27.09	37.50	23.28	23.03	23.24
EDGE1 TX rate		26.35	26.45	26.01	27.50	17.30	17.45	17.01
EDGE2 TX rate		23.43	23.42	23.21	24.50	17.40	17.42	17.21
EDGE3 TX rate		21.93	21.75	21.63	22.50	17.87	17.49	17.37
EDGE4 TX rate		21.93	21.75	21.63	22.50	17.87	17.49	17.37

WCOMA V-Net D204					
	Band	WCOMA V			Time (s)
	TX Channel	4132	4192	4233	Sum
	Frequency (MHz)	4357	4407	4458	
SGPP Ref-0	ISMC 12-20gus	21.45	21.41	21.43	22.50
SGPP Ref-1	ISMC 12-20gus	21.46	21.61	21.58	22.50
SGPP Ref-2	ISMC Subnet-2	20.56	20.53	20.51	21.58
SGPP Ref-3	ISMC Subnet-2	20.56	20.53	20.53	21.58
SGPP Ref-4	ISMC Subnet-2	20.51	20.52	20.58	21.58
SGPP Ref-5	ISMC Subnet-2	20.56	20.53	20.53	21.58
SGPP Ref-6	DC-HSFGPA Subnet-1	20.56	20.56	20.56	21.58
SGPP Ref-7	DC-HSFGPA Subnet-2	20.50	20.57	20.46	21.58
SGPP Ref-8	DC-HSFGPA Subnet-3	20.50	20.57	20.46	21.58
SGPP Ref-9	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-10	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-11	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-12	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-13	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-14	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-15	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-16	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-17	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-18	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-19	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-20	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-21	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-22	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-23	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-24	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-25	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-26	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-27	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-28	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-29	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-30	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-31	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-32	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-33	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-34	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-35	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-36	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-37	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-38	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-39	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-40	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-41	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-42	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-43	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-44	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-45	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-46	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-47	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-48	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58
SGPP Ref-49	DC-HSFGPA Subnet-4	20.50	20.57	20.46	21.58

Band 5 Ant1 DS14													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up [mW]	MPR [dB]					
Channel													
Frequency [MHz]				836.5		844							
10	QPSK	1	0	20.98	21.18	21.18	22.5	0					
10	QPSK	1	25	21.08	21.35	21.08							
10	QPSK	1	40	20.97	21.18	20.98							
10	QPSK	36	0	20.98	21.18	21.18							
10	QPSK	36	12	21.01	21.27	20.98	22.5	0					
10	QPSK	36	25	20.93	21.13	20.88							
10	QPSK	50	0	20.81	21.21	21.18							
10	HQAM	1	0	20.98	21.17	21.18							
10	HQAM	1	25	21.05	21.11	20.91	22.5	0					
10	HQAM	1	40	20.92	21.08	20.87							
10	HQAM	25	0	20.98	21.27	20.87							
10	HQAM	25	12	20.98	21.07	20.79							
10	HQAM	25	25	20.78	21.27	21.20	22.5	0					
10	HQAM	50	0	20.88	21.26	21.18							
10	HQAM	1	0	20.92	21.22	21.07							
10	HQAM	1	25	20.95	21.17	20.87							
10	HQAM	1	40	20.96	21.15	20.80	22.5	0					
10	HQAM	25	0	20.98	21.21	21.21							
10	HQAM	25	12	20.96	21.12	21.02							
10	HQAM	25	25	20.87	21.11	20.84							
10	ZSSBQAM	1	0	18.96	19.28	19.18	20.5	2					
10	ZSSBQAM	1	25	19.15	19.38	18.94							
10	ZSSBQAM	1	40	19.07	19.52	18.88							
10	ZSSBQAM	25	0	18.98	19.28	19.21							
10	ZSSBQAM	25	12	19.08	19.26	19.24	20.5	2					
10	ZSSBQAM	25	25	19.02	19.39	19.08							
10	ZSSBQAM	50	0	18.84	19.19	18.90							
Channel													
Frequency [MHz]				836.5		836.5							
5	QPSK	1	0	21.04	21.14	20.92	22.5	0					
5	QPSK	1	19	20.98	21.15	20.81							
5	QPSK	1	24	20.85	21.21	21.11							
5	QPSK	12	0	21.07	21.22	20.87							
5	QPSK	12	7	20.87	21.02	20.78	22.5	0					
5	QPSK	12	13	20.76	21.12	21.05							
5	QPSK	25	0	20.88	21.12	21.09							
5	HQAM	1	0	20.83	21.02	21.02							
5	HQAM	1	12	20.95	21.08	20.79	22.5	0					
5	HQAM	12	0	20.87	21.13	21.03							
5	HQAM	12	7	20.88	21.15	20.83							
5	HQAM	13	0	20.95	21.08	20.81							
5	HQAM	25	0	20.84	21.12	21.05	22.5	0					
5	HQAM	1	0	21.00	21.16	21.09							
5	HQAM	1	12	20.98	21.08	20.77							
5	HQAM	1	24	20.83	21.11	20.87							
5	HQAM	12	0	20.92	21.24	20.82	22.5	0					
5	HQAM	12	7	20.80	21.08	20.80							
5	HQAM	12	13	20.78	21.26	21.07							
5	HQAM	25	0	20.76	20.96	20.71							
5	ZSSBQAM	1	0	18.76	18.93	18.91	20.5	2					
5	ZSSBQAM	1	12	18.64	18.21	18.21							
5	ZSSBQAM	1	24	18.68	18.26	18.26							
5	ZSSBQAM	12	0	19.25	19.15	19.15							
5	ZSSBQAM	12	7	18.89	18.22	18.08	20.5	2					
5	ZSSBQAM	12	13	18.96	18.26	18.16							
5	ZSSBQAM	25	0	18.86	19.01	18.92							
Channel													
Frequency [MHz]				836.5		836.5							
3	QPSK	1	0	20.95	21.29	21.02	22.5	0					
3	QPSK	1	8	20.83	21.09	20.84							
3	QPSK	14	0	20.96	21.11	21.08							
3	QPSK	8	0	20.76	21.21	20.95							
3	QPSK	8	4	20.87	21.25	20.89	22.5	0					
3	QPSK	8	7	20.75	20.95	20.78							
3	QPSK	16	0	20.77	21.03	20.98							
3	HQAM	1	0	20.91	21.16	21.01							
3	HQAM	1	8	20.85	21.08	20.81	22.5	0					
3	HQAM	1	14	20.82	20.87	20.79							
3	HQAM	8	0	20.94	21.13	20.81							
3	HQAM	8	4	20.80	21.18	20.79							
3	HQAM	8	7	20.76	21.08	20.90	22.5	0					
3	HQAM	15	0	20.84	21.13	20.90							
3	HQAM	1	0	21.03	21.22	21.04							
3	HQAM	1	8	20.70	21.11	20.75							
3	HQAM	1	14	20.85	21.15	20.99	22.5	0					
3	HQAM	8	0	21.08	21.15	20.84							
3	HQAM	8	4	20.96	21.13	20.72							
3	HQAM	8	7	20.91	21.12	21.03							
3	HQAM	15	0	20.64	21.09	20.71	20.5	2					
3	ZSSBQAM	1	0	18.96	19.13	18.91							
3	ZSSBQAM	1	8	18.95	19.25	18.93							
3	ZSSBQAM	1	14	18.79	18.13	18.71							
3	ZSSBQAM	8	0	18.82	19.26	18.11	20.5	2					
3	ZSSBQAM	8	4	18.95	19.29	18.91							
3	ZSSBQAM	8	7	18.72	19.08	18.90							
3	ZSSBQAM	15	0	18.88	18.18	18.79							
Channel													
Frequency [MHz]				836.5		836.5							
1.4	QPSK	1	0	20.97	21.25	21.07	22.5	0					
1.4	QPSK	1	3	20.87	21.16	21.06							
1.4	QPSK	1	5	20.90	20.97	20.88							
1.4	QPSK	3	0	20.81	21.30	20.84							
1.4	QPSK	3	1	20.90	21.19	20.84	22.5	0					
1.4	QPSK	3	3	20.85	21.06	21.10							
1.4	QPSK	3	5	21.00	21.11	21.06							
1.4	HQAM	1	0	20.91	21.32	21.02							
1.4	HQAM	1	3	20.98	21.03	20.91	22.5	0					
1.4	HQAM	1	5	20.95	21.24	21.10							
1.4	HQAM	3	0	20.91	21.11	20.92							
1.4	HQAM	3	1	20.98	21.08	20.76							
1.4	HQAM	3	3	20.79	21.25	21.11	22.5	0					
1.4	HQAM	6	0	20.70	21.03	21.04							
1.4	HQAM	1	3	20.85	21.21	21.03							
1.4	HQAM	1	3	20.80	21.38	20.73							
1.4	HQAM	1	6	20.81	21.23	21.03	22.5	0					
1.4	HQAM	3	0	20.86	21.18	21.21							
1.4	HQAM	3	1	20.72	20.99	21.01							
1.4	HQAM	6	3	20.75	20.97	20.88							
1.4	HQAM	6	0	20.57	20.97	20.88	22.5	0					
1.4	ZSSBQAM	1	0	18.97	19.15	18.97							
1.4	ZSSBQAM	1	3	19.08	19.18	18.87							
1.4	ZSSBQAM	1	5	18.95	19.08	18.87							
1.4	ZSSBQAM	3	0	18.89	19.21	19.01	20.5	2					
1.4	ZSSBQAM	3	1	18.95	19.26	19.23							
1.4	ZSSBQAM	3	3	18.89	19.21	19.01							
1.4	ZSSBQAM	6	0	18.98	19.18	18.91							

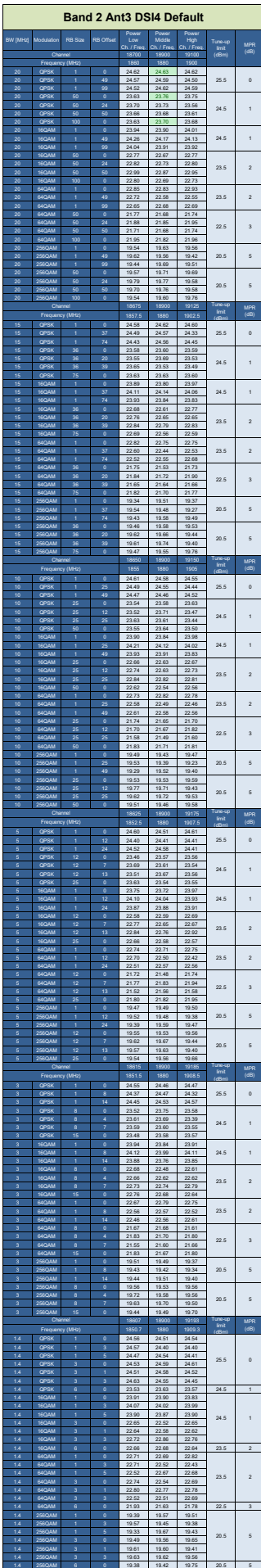
Band 17 Ant1 DS4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Peak / Freq	Time-up Int. (sec)	MPR (dB)	
Channel				700	710	711			
10	QPSK	1	0	24.08	24.12	24.13	25.0	0	
10	QPSK	1	25	24.03	24.05	24.11			
10	QPSK	1	49	24.10	24.13	24.21			
10	QPSK	25	0	23.09	23.10	23.33	24.0	1	
10	QPSK	25	12	23.09	23.29	23.33			
10	QPSK	25	25	23.08	23.35	23.28			
10	QPSK	50	0	23.12	23.18	23.15	24.0	1	
10	WQAM	1	0	23.12	23.14	23.13			
10	WQAM	1	25	23.27	23.27	23.39			
10	WQAM	1	49	23.41	23.38	23.48	24.0	1	
10	WQAM	25	0	22.22	22.19	22.23			
10	WQAM	25	12	22.09	22.07	22.02			
10	WQAM	25	25	22.21	22.09	22.12	23.0	2	
10	WQAM	50	0	22.17	22.11	22.18			
10	WQAM	1	0	22.11	22.08	22.28			
10	WQAM	1	25	22.15	22.13	22.28	23.0	2	
10	WQAM	1	49	22.24	22.16	22.13			
10	WQAM	25	0	21.13	21.11	21.14			
10	WQAM	25	12	21.03	21.28	21.25	22.0	3	
10	WQAM	25	25	21.26	21.30	21.27			
10	WQAM	50	0	21.08	21.14	21.11			
10	25QAM	1	0	19.25	19.38	19.28	20.0	5	
10	25QAM	1	25	19.30	19.24	19.22			
10	25QAM	1	49	19.21	19.14	19.21			
10	25QAM	25	0	19.07	19.32	19.25	20.0	5	
10	25QAM	25	12	19.25	19.24	19.18			
10	25QAM	25	25	19.20	19.23	19.22			
10	25QAM	50	0	19.06	19.14	19.05	20.0	5	
Frequency (MHz)				706.5	710	713.5			
0	QPSK	1	0	24.08	24.14	23.09	25.0	0	
0	QPSK	1	14	23.03	24.12	24.04			
0	QPSK	1	24	23.09	24.04	24.17			
0	QPSK	12	0	23.01	23.07	23.29	24.0	1	
0	QPSK	12	7	23.15	23.18	23.19			
0	QPSK	12	13	23.09	23.31	23.40			
0	QPSK	25	0	23.13	23.02	23.08	24.0	1	
0	WQAM	1	0	23.04	23.04	23.09			
0	WQAM	1	12	23.17	23.23	23.35			
0	WQAM	1	24	23.28	23.25	23.33	23.0	2	
0	WQAM	12	0	22.19	22.08	22.09			
0	WQAM	12	7	22.05	22.03	21.83			
0	WQAM	12	13	22.07	22.06	22.09	23.0	2	
0	WQAM	25	0	22.05	22.03	22.03			
0	WQAM	1	0	22.02	21.98	22.15			
0	WQAM	1	12	22.02	21.90	22.19	22.0	3	
0	WQAM	1	24	22.15	22.04	22.00			
0	WQAM	12	0	21.03	21.05	21.05			
0	WQAM	12	7	21.07	21.05	21.14	22.0	3	
0	WQAM	12	13	21.19	21.22	21.14			
0	WQAM	20	0	21.02	21.06	21.04			
0	25QAM	1	0	19.13	19.29	19.08	20.0	5	
0	25QAM	1	12	19.06	19.10	19.09			
0	25QAM	1	24	19.18	19.06	19.15			
0	25QAM	12	0	19.02	19.08	19.01	20.0	5	
0	25QAM	12	7	19.07	19.08	19.01			
0	25QAM	12	13	19.18	19.16	19.12			
0	25QAM	25	0	18.88	19.04	19.04			

Band 26 Ant1 DS4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Time-up Int. (min)	MPR (dB)
Channel				811.5	811.5	811.5	811.5		
10	QPSK	1	0	24.20	24.24	24.18	24.18	25.0	0
10	QPSK	1	37	24.13	24.17	24.13	24.13		
10	QPSK	1	74	24.10	24.11	24.11	24.11		
10	QPSK	35	0	23.40	23.43	23.34	23.34	24.0	1
10	QPSK	35	20	23.38	23.25	23.32	23.32		
10	QPSK	35	35	23.27	23.29	23.32	23.32		
10	QPSK	70	0	23.37	23.42	23.21	23.21	24.0	1
10	WQAM	1	0	23.33	23.31	23.45	23.45		
10	WQAM	1	37	23.25	23.24	23.24	23.24	24.0	1
10	WQAM	1	74	23.25	23.30	23.35	23.35		
10	WQAM	35	0	22.24	22.27	22.23	22.23	23.0	2
10	WQAM	35	20	22.22	22.16	22.22	22.22		
10	WQAM	35	35	22.33	22.29	22.31	22.31		
10	WQAM	70	0	22.25	22.20	22.30	22.30	23.0	2
10	WQAM	1	0	22.43	22.36	22.31	22.31		
10	WQAM	1	37	22.38	22.37	22.29	22.29		
10	WQAM	1	74	22.29	22.21	22.28	22.28	22.0	3
10	WQAM	35	0	21.30	21.28	21.42	21.42		
10	WQAM	35	20	21.44	21.33	21.39	21.39		
10	WQAM	35	35	21.24	21.22	21.38	21.38	20.0	5
10	25QAM	1	0	19.38	19.31	19.13	19.13		
10	25QAM	1	37	19.30	19.31	19.19	19.19		
10	25QAM	1	74	19.28	19.17	19.25	19.25	20.0	5
10	25QAM	35	0	19.33	19.37	19.27	19.27		
10	25QAM	35	20	19.12	19.18	19.27	19.27		
10	25QAM	35	35	19.24	19.25	19.25	19.25	20.0	5
10	25QAM	70	0	19.22	19.39	19.13	19.13		
Channel				811.5	811.5	811.5	811.5	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				811.5	811.5	811.5	811.5		
10	QPSK	1	0	24.15	24.10	24.12	24.12	25.0	0
10	QPSK	1	26	24.03	24.13	23.91	23.91		
10	QPSK	1	49	24.05	24.01	24.02	24.02		
10	QPSK	25	0	23.26	23.18	23.19	23.19	24.0	1
10	QPSK	25	12	23.24	23.20	23.25	23.25		
10	QPSK	25	25	23.17	23.13	23.37	23.37		
10	QPSK	50	0	23.42	23.30	23.29	23.29	24.0	1
10	WQAM	1	0	23.23	23.23	23.42	23.42		
10	WQAM	1	25	23.17	23.19	23.19	23.19		
10	WQAM	1	49	23.17	23.16	23.21	23.21	23.0	2
10	WQAM	25	0	22.19	22.21	22.25	22.25		
10	WQAM	25	12	22.12	22.02	22.17	22.17		
10	WQAM	25	13	22.37	22.16	22.27	22.27	23.0	2
10	WQAM	50	0	22.19	22.12	22.27	22.27		
10	WQAM	1	0	22.37	22.20	22.21	22.21		
10	WQAM	1	25	22.34	22.20	22.25	22.25	23.0	2
10	WQAM	1	49	22.21	22.11	22.21	22.21		
10	WQAM	25	0	21.27	21.20	21.38	21.38	22.0	3
10	WQAM	25	12	21.36	21.24	21.35	21.35		
10	WQAM	25	25	21.16	21.08	21.30	21.30		
10	WQAM	50	0	21.06	21.09	21.10	21.10	20.0	5
10	25QAM	1	0	19.32	19.05	19.25	19.25		
10	25QAM	1	25	19.11	19.12	19.12	19.12		
10	25QAM	1	49	19.15	19.14	19.15	19.15	20.0	5
10	25QAM	25	0	19.29	19.15	19.15	19.15		
10	25QAM	25	12	19.04	19.11	19.27	19.27		
10	25QAM	25	25	19.07	19.12	19.10	19.10	20.0	5
10	25QAM	50	0	19.07	19.12	19.10	19.10		
10	25QAM	50	0	19.10	19.29	19.09	19.09		
Channel				811.5	811.5	811.5	811.5	Time-up Int. (min)	MPR (dB)
Frequency (MHz)				811.5	811.5	811.5	811.5		
0	QPSK	1	0	24.09	24.12	24.07	24.07	25.0	0
0	QPSK	1	12	24.05	24.04	23.99	23.99		
0	QPSK	1	14	24.03	23.99	24.05	24.05		
0	QPSK	12	0	23.25	23.27	23.27	23.27	24.0	1
0	QPSK	12	7	23.20	23.21	23.25	23.25		
0	QPSK	12	14	23.18	23.20	23.21	23.21	24.0	1
0	QPSK	12	21	23.13	23.20	23.23	23.23		
0	QPSK	12	28	23.08	23.20	23.23	23.23		
0	QPSK	14	0	23.27	23.24	23.38	23.38	24.0	1
0	QPSK	14	7	23.23	23.23	23.37	23.37		
0	QPSK	14	14	23.18	23.23	23.32	23.32		
0	QPSK	14	21	23.13	23.23	23.31	23.31	24.0	1
0	QPSK	14	28	23.08	23.23	23.32	23.32		
0	QPSK	14	35	23.03	23.23	23.32	23.32		
0	QPSK	16	0	23.31	23.31	23.45	23.45	24.0	1
0	QPSK	16	8	23.26	23.32	23.34	23.34		
0	QPSK	16	16	23.22	23.34	23.37	23.37	24.0	1
0	QPSK	16	24	23.17	23.34	23.37	23.37		
0	QPSK	16	32	23.12	23.34	23.37	23.37		
0	QPSK	18	0	23.35	23.35	23.49	23.49	24.0	1
0	QPSK	18	9	23.30	23.36	23.38	23.38		
0	QPSK	18	18	23.25	23.36	23.39	23.39	24.0	1
0	QPSK	18	27	23.20	23.36	23.39	23.39		
0	QPSK	18	36	23.15	23.36	23.39	23.39		
0	QPSK	20	0	23.39	23.37	23.53	23.53	24.0	1
0	QPSK	20	10	23.34	23.37	23.51	23.51		
0	QPSK	20	20	23.29	23.37	23.51	23.51	24.0	1
0	QPSK	20	30	23.24	23.37	23.51	23.51		
0	QPSK	20	40	23.19	23.37	23.53	23.53		
0	QPSK	22	0	23.43	23.43	23.59	23.59	24.0	1
0	QPSK	22	11	23.38	23.43	23.57	23.57		
0	QPSK	22	22	23.33	23.43	23.57	23.57	24.0	1
0	QPSK	22	33	23.28	23.43	23.57	23.57		
0	QPSK	22	44	23.23	23.43	23.57	23.57		
0	QPSK	24	0	23.47	23.47	23.63	23.63	24.0	1
0	QPSK	24	12	23.42	23.47	23.61	23.61		
0	QPSK	24	24	23.37	23.47	23.61	23.61	24.0	1
0	QPSK	24	36	23.32	23.47	23.61	23.61		
0	QPSK	24	48	23.27	23.47	23.61	23.61		
0	QPSK	26	0	23.51	23.51	23.67	23.67	24.0	1
0	QPSK	26	13	23.46	23.51	23.65	23.65		
0	QPSK	26	26	23.41	23.51	23.65	23.65	24.0	1
0	QPSK	26	39	23.36	23.51	23.65	23.65		
0	QPSK	26	52	23.31	23.51	23.65	23.65		
0	QPSK	28	0	23.55	23.55	23.71	23.71	24.0	1
0	QPSK	28	14	23.50	23.55	23.69	23.69		
0	QPSK	28	28	23.45	23.55	23.69	23.69	24.0	1
0	QPSK	28	42	23.40	23.55	23.69	23.69		
0	QPSK	28	56	23.35	23.55	23.69	23.69		
0	QPSK	30	0	23.59	23.59	23.75	23.75	24.0	1
0	QPSK	30	15	23.54	23.59	23.73	23.73		
0	QPSK	30	30	23.49	23.59	23.73	23.73	24.0	1
0	QPSK	30	45	23.44	23.59	23.73	23.73		
0	QPSK	30	60	23.39	23.59	23.73	23.73		
0	QPSK	32	0	23.63	23.63	23.79	23.79	24.0	1
0	QPSK	32	16	23.58	23.63	23.77	23.77		
0	QPSK	32	32	23.53	23.63	23.77	23.77	24.0	1
0	QPSK	32	48	23.48	23.63	23.77	23.77		
0	QPSK	32	64	23.43	23.63	23.77	23.77		
0	QPSK	34	0	23.67	23.67	23.83	23.83	24.0	1
0	QPSK	34	17	23.62	23.67	23.81	23.81		
0	QPSK	34	34	23.57	23.67	23.81	23.81	24.0	1
0	QPSK	34	51	23.52	23.67	23.81	23.81		
0	QPSK	34	68	23.47	23.67	23.81	23.81		
0	QPSK	36	0	23.71	23.71	23.87	23.87	24.0	1
0	QPSK	36	18	23.66	23.71	23.85	23.85		
0	QPSK	36	36	23.61	23.71	23.85	23.85	24.0	1
0	QPSK	36	54	23.56	23.71	23.85	23.85		
0	QPSK	36	72	23.51	23.71	23.85	23.85		
0	QPSK	38	0	23.75	23.75	23.91	23.91	24.0	1
0	QPSK	38	19	23.70	23.75	23.89	23.89		
0	QPSK	38	38	23.65	23.75	23.89	23.89	24.0	1
0	QPSK	38	57	23.60	23.75	23.89	23.89		
0	QPSK	38	76	23.55	23.75	23.89	23.89		
0	QPSK	40	0	23.79	23.79	23.95	23.95	24.0	1
0	QPSK	40	20	23.74	23.79	23.93	23.93		
0	QPSK	40	40	23.69	23.79	23.93	23.93	24.0	1
0	QPSK	40	60	23.64	23.79	23.93	23.93		
0	QPSK	40	80	23.59	23.79	23.93	23.93		
0	QPSK	42	0	23.83	23.83	24.00	24.00	24.0	1
0	QPSK	42	21	23.78	23.83	23.98	23.98		
0	QPSK	42	42	23.73	23.83	23.98	23.98	24.0	1
0	QPSK	42	63	23.68	23.83	23.98	23.98		
0	QPSK	42	84	23.63	23.83	23.98	23.98		
0	QPSK	44	0	23.87	23.87	24.03	24.03	24.0	1
0	QPSK	44	22	23.82	23.87	24.01	24.01		
0	QPSK	44	44	23.77	23.87	24.01	24.01	24.0	1
0	QPSK	44	66	23.72	23.87	24.01	24.01		
0	QPSK	44	88	23.67	23.87	24.01	24.01		
0	QPSK	46	0	23.91	23.91	24.07	24.07	24.0	1
0	QPSK	46	23	23.86	23.91	24.05	24.05		
0	QPSK	46	46	23.81	23.91	24.05	24.05	24.0	1
0	QPSK	46	69	23.76	23				

GSM1900 Anti DSH4 Default						
GSM1900	Power Average Power (dBm)			Power Average Power (dBm)		
	TX Channel	812	868	TX Channel	812	868
Frequency (MHz)		812	868		812	868
EDGE 1 Tx ant	29.74	30.00	30.20	31.00	30.74	31.00
EDGE 1 Tx ant	29.73	30.00	30.01	31.00	30.73	31.00
EDGE 2 Tx ant	29.69	29.71	29.60	30.00	29.70	29.60
EDGE 3 Tx ant	24.82	25.03	25.00	26.00	25.98	25.74
EDGE 4 Tx ant	24.78	24.80	24.80	26.78	26.80	26.80
EDGE 1 Tx ant	25.60	25.67	25.68	27.00	26.90	26.80
EDGE 2 Tx ant	22.72	22.64	22.63	24.00	23.72	23.60
EDGE 3 Tx ant	20.97	20.90	20.91	22.00	21.90	21.80
EDGE 4 Tx ant	19.71	19.60	19.61	21.00	20.71	20.60

WCDMA II Anti DSH4 Default						
WCDMA II	Power Average Power (dBm)			Power Average Power (dBm)		
	TX Channel	812	868	TX Channel	812	868
Frequency (MHz)		812	868		812	868
SCPP Rel 00	24.43	24.46	24.41	25.50	24.43	24.46
SCPP Rel 01	24.40	24.07	24.43	25.50	24.00	24.40
SCPP Rel 02	23.70	23.70	23.70	24.50	23.70	23.70
SCPP Rel 03	23.25	23.29	23.28	24.50	23.42	23.48
SCPP Rel 04	22.44	22.37	22.36	24.50	22.00	22.00
SCPP Rel 05	22.80	22.68	22.62	24.50	22.00	22.00
SCPP Rel 06	23.37	23.30	23.31	24.50	23.00	23.00
SCPP Rel 07	23.25	23.37	23.41	24.50	23.00	23.00
SCPP Rel 08	22.51	22.75	22.81	24.50	22.75	22.87
SCPP Rel 09	22.60	22.67	22.76	24.50	22.00	22.00
SCPP Rel 10	22.08	22.01	22.09	24.50	22.10	22.00
SCPP Rel 11	22.00	22.00	22.00	25.00	22.10	22.00
SCPP Rel 12	21.98	21.95	21.83	22.50	22.00	21.90
SCPP Rel 13	22.00	22.00	22.01	22.50	22.10	22.00
SCPP Rel 14	22.00	22.00	22.00	24.50	22.00	22.00

WCDMA IV Anti DSH4 Default						
WCDMA IV	Power Average Power (dBm)			Power Average Power (dBm)		
	TX Channel	812	868	TX Channel	812	868
Frequency (MHz)		812	868		812	868
SCPP Rel 00	24.43	24.46	24.41	25.50	24.43	24.46
SCPP Rel 01	24.40	24.07	24.43	25.50	24.00	24.40
SCPP Rel 02	23.70	23.70	23.70	24.50	23.70	23.70
SCPP Rel 03	23.25	23.29	23.28	24.50	23.42	23.48
SCPP Rel 04	22.44	22.37	22.36	24.50	22.00	22.00
SCPP Rel 05	22.80	22.68	22.62	24.50	22.00	22.00
SCPP Rel 06	23.37	23.30	23.31	24.50	23.00	23.00
SCPP Rel 07	23.25	23.37	23.41	24.50	23.00	23.00
SCPP Rel 08	22.51	22.75	22.81	24.50	22.75	22.87
SCPP Rel 09	22.60	22.67	22.76	24.50	22.00	22.00
SCPP Rel 10	22.08	22.01	22.09	24.50	22.10	22.00
SCPP Rel 11	22.00	22.00	22.00	25.00	22.10	22.00
SCPP Rel 12	21.98	21.95	21.83	22.50	22.00	21.90
SCPP Rel 13	22.00	22.00	22.01	22.50	22.10	22.00
SCPP Rel 14	22.00	22.00	22.00	24.50	22.00	22.00

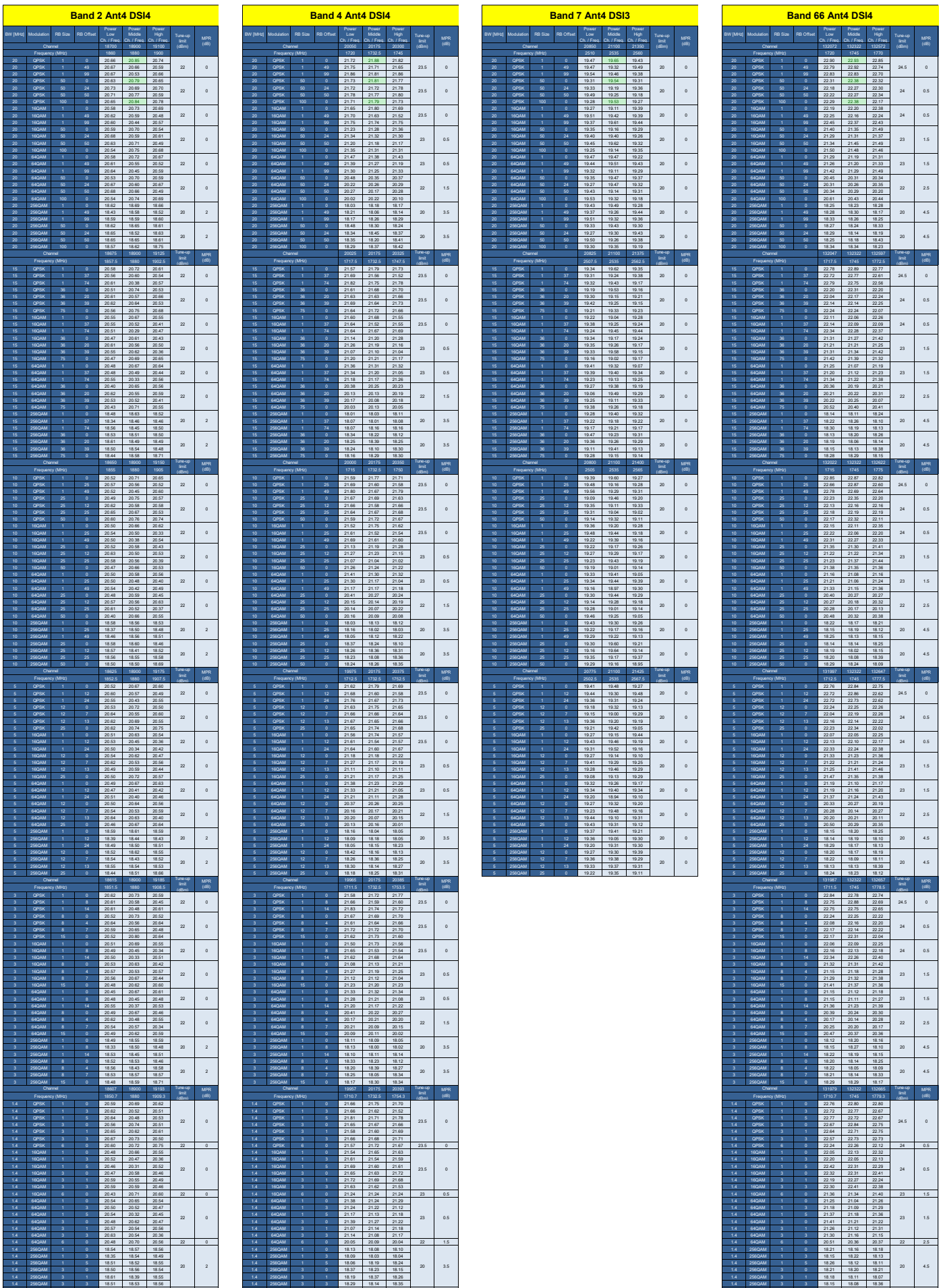


Band 4 Ant3 DS14 Default												
RF [MHz]	Modulation	RF BW	RF Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Time-on-air (min)	MPE (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.50	24.50	24.82	24.82					
20	QPSK	1	49	23.88	24.04	24.52	24.52	25.5	0			
20	QPSK	1	99	23.88	24.04	24.52	24.52					
20	QPSK	80	0	23.65	23.55	23.71	23.71					
20	QPSK	80	49	23.65	23.55	23.71	23.71	24.5	1			
20	QPSK	80	99	23.65	23.55	23.71	23.71					
20	QPSK	160	0	23.64	23.75	23.64	23.64					
20	QPSK	160	49	23.64	23.75	23.64	23.64	24.5	1			
20	QPSK	160	99	23.64	23.75	23.64	23.64					
20	HQAM	1	49	23.79	23.81	23.77	23.77					
20	HQAM	1	99	23.83	23.85	23.78	23.78					
20	HQAM	80	1	23.87	23.71	23.75	23.75					
20	HQAM	80	24	22.06	22.08	22.07	22.07	23.5	2			
20	HQAM	80	50	22.70	22.68	22.82	22.82					
20	HQAM	80	100	22.70	22.68	22.82	22.82					
20	HQAM	1	0	22.87	22.68	22.71	22.71	23.5	2			
20	HQAM	1	99	22.97	22.71	22.81	22.81					
20	HQAM	80	0	21.88	21.50	21.74	21.74					
20	HQAM	80	49	21.88	21.50	21.74	21.74	22.5	3			
20	HQAM	80	99	21.88	21.50	21.74	21.74					
20	HQAM	160	0	21.68	21.68	21.68	21.68					
20	HQAM	160	49	21.68	21.68	21.68	21.68	20.5	5			
20	HQAM	160	99	21.68	21.68	21.68	21.68					
20	25QAM	1	99	19.41	19.39	19.51	19.51					
20	25QAM	80	1	19.41	19.39	19.51	19.51					
20	25QAM	80	24	19.00	19.00	19.00	19.00	20.5				
20	25QAM	80	50	19.00	19.00	19.00	19.00					
20	25QAM	160	0	19.00	19.00	19.00	19.00					
20	25QAM	160	49	19.00	19.00	19.00	19.00	20.5	5			
20	25QAM	160	99	19.00	19.00	19.00	19.00					
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.50	24.50	24.82	24.82					
15	QPSK	1	37	24.38	24.49	24.37	24.37	25.5	0			
15	QPSK	1	74	24.30	24.40	24.50	24.50					
15	QPSK	8	0	23.65	23.55	23.71	23.71					
15	QPSK	8	20	23.61	23.55	23.69	23.69	24.5	1			
15	QPSK	8	40	23.61	23.55	23.69	23.69					
15	QPSK	25	0	23.59	23.59	23.45	23.45					
15	HQAM	1	0	23.80	23.55	23.45	23.45					
15	HQAM	1	37	23.80	23.55	23.45	23.45	24.5	1			
15	HQAM	1	74	23.72	23.45	23.68	23.68					
15	HQAM	80	0	23.76	22.68	22.54	22.54					
15	HQAM	80	20	23.76	22.68	22.54	22.54	23.5	2			
15	HQAM	80	40	23.76	22.68	22.54	22.54					
15	HQAM	80	60	23.82	22.75	22.68	22.68					
15	HQAM	1	49	23.53	22.67	22.73	22.73					
15	HQAM	25	0	23.66	22.48	22.65	22.65					
15	HQAM	25	12	23.62	21.82	21.84	21.84	23.5	2			
15	HQAM	25	12	23.62	21.82	21.84	21.84					
15	HQAM	80	0	23.58	22.51	22.57	22.57					
15	HQAM	80	60	23.82	22.75	22.68	22.68					
15	HQAM	1	49	23.53	22.67	22.73	22.73					
15	HQAM	25	0	23.62	21.82	21.84	21.84					
15	HQAM	25	12	23.62	21.82	21.84	21.84	23.5	2			
15	HQAM	25	12	23.62	21.82	21.84	21.84					
15	HQAM	80	0	23.58	22.51	22.57	22.57					
15	HQAM	80	60	23.82	22.75	22.68	22.68					
15	HQAM	1	49	23.53	22.67	22.73	22.73					
15	HQAM	25	0	23.61	21.81	21.83	21.83					
15	HQAM	25	12	23.61	21.81	21.83	21.83	20.5	5			
15	HQAM	25	12	23.61	21.81	21.83	21.83					
15	HQAM	80	0	23.52	22.47	22.52	22.52					
15	HQAM	80	60	23.82	22.75	22.68	22.68					
15	HQAM	1	49	23.53	22.67	22.73	22.73					
15	HQAM	25	0	23.62	21.82	21.84	21.84					
15	HQAM	25	12	23.62	21.82	21.84	21.84	20.5	5			
15	HQAM	25	12	23.62	21.82	21.84	21.84					
15	HQAM	80	0	23.56	22.61	22.67	22.67					
15	HQAM	80	60	23.86	22.75	22.68	22.68					
15	HQAM	1	49	23.53	22.67	22.73	22.73					
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.47	24.58	24.53	24.53					
15	QPSK	1	12	24.54	24.46	24.49	24.49	25.5	0			
15	QPSK	1	24	24.59	24.44	24.44	24.44					
15	QPSK	12	0	23.52	23.79	23.70	23.70					
15	QPSK	12	7	23.59	23.68	23.63	23.63	24.5	1			
15	QPSK	12	14	23.64	23.59	23.54	23.54					
15	QPSK	25	0	23.57	23.58	23.54	23.54					
15	HQAM	1	0	23.62	23.60	23.56	23.56					
15	HQAM	1	12	23.61	23.52	23.52	23.52	24.5	1			
15	HQAM	1	24	23.63	23.58	23.54	23.54					
15	HQAM	12	0	22.70	22.63	22.54	22.54					
15	HQAM	12	7	22.74	22.52	22.52	22.52	23.5	2			
15	HQAM	12	14	22.73	22.67	22.75	22.75					
15	HQAM	25	0	22.77	22.68	22.68	22.68					
15	HQAM	25	7	22.84	22.61	22.61	22.61	23.5	2			
15	HQAM	1	12	22.64	22.61	22.58	22.58					
15	HQAM	1	24	22.61	22.57	22.57	22.57	23.5	2			
15	HQAM	12	0	21.80	21.60	21.82	21.82					
15	HQAM	12	7	21.70	21.77	21.73	21.73	22.5	3			
15	HQAM	12	14	21.82	21.69	21.75	21.75					
15	HQAM	25	0	21.63	21.58	21.66	21.66					
15	HQAM	25	7	21.64	21.57	21.60	21.60	20.5	5			
15	HQAM	25	14	21.68	21.58	21.62	21.62					
15	HQAM	1	24	19.30	19.37	19.43	19.43					
15	HQAM	12	7	19.43	19.34	19.37	19.37	20.5	5			
15	HQAM	12	14	19.48	19.38	19.42	19.42					
15	HQAM	25	7	19.48	19.38	19.42	19.42	20.5	5			
15	HQAM	25	14	19.41	19.35	19.40	19.40					
15	HQAM	12	13	19.07	19.07	19.08	19.08	20.5	5			
15	HQAM	12	13	19.07	19.07	19.08	19.08					
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.42	24.58	24.53	24.53					
15	QPSK	1	14	24.32	24.38	24.47	24.47	25.5	0			
15	QPSK	1	28	24.37	24.32	24.43	24.43					
15	QPSK	8	0	23.56	23.58	23.74	23.74					
15	QPSK	8	7	23.54	23.63	23.68	23.68	24.5	1			
15	QPSK	8	14	23.62	23.54	23.64	23.64					
15	HQAM	1	0	23.69	23.64	23.52	23.52					
15	HQAM	1	8	23.64	23.75	23.77	23.77	24.5	1			
15	HQAM	1	16	23.63	23.63	23.52	23.52					
15	HQAM	8	0	22.56	22.59	22.54	22.54					
15	HQAM	8	8	22.46	22.50	22.59	22.59	23.5	2			
15	HQAM	8	16	22.59	22.48	22.56	22.56					
15	HQAM	15	0	22.69	22.79	22.69	22.69					
15	HQAM	15	8	22.74	22.71	22.71	22.71	23.5	2			
15	HQAM	1	14	22.54	22.51	22.72	22.72					
15	HQAM	1	28	22.57	22.54	22.71	22.71	23.5	2			
15	HQAM	8	4	21.67	21.62	21.79	21.79	22.5	3			
15	HQAM	8	7	21.66	21.62	21.60	21.60					
15	HQAM	8	14	21.66	21.62	21.60	21.60	20.5	5			
15	HQAM	1	16	19.36	19.05	19.08	19.08					
15	HQAM	1	8	19.44	19.07	19.34	19.34	20.5	5			
15	HQAM	8	16	19.41	19.01	19.21	19.21					
15	HQAM	8	24	19.41	19.08	19.40	19.40	20.5	5			
15	HQAM	1	14	19.01	19.35	19.03	19.03					
15	HQAM	8	16	19.41	19.01	19.21	19.21	20.5	5			
15	HQAM	8	24	19.41	19.08	19.40	19.40					
15	25QAM	1	5	19.22	19.44	19.29	19.29	20.5	5			
15	25QAM	1	10	19.29	19.44	19.29	19.29					
15	25QAM	1	15	19.48	19.48	19.29	19.29					
15	25QAM	8	1	19.03	19.02	19.08	19.08	20.5	5			

Band 7 Ant3 DSI4 Default												
RF (MHz)	Modulation	FE Rate	FE CFS	Power Power Frequency (MHz)	Power Power Ch. Freq	Power Power Ch. Freq	Power Power Ch. Freq	Time Time Time (min)	MT	MT	MT	
Channel												
20	QPSK	1	0	24.47	24.48	24.48	24.61					
20	QPSK	1	49	24.55	24.65	24.65	24.81		25.5	0	0	
20	QPSK	1	99	24.50	24.62	24.62	24.82					
20	QPSK	50	1	23.89	23.93	23.93	23.89					
20	QPSK	50	5	23.77	23.77	23.77	23.83					
20	QPSK	50	50	23.78	23.68	23.68	23.72		24.5	1	1	
20	QPSK	100	1	23.78	23.80	23.82	23.82					
20	QPSK	1	5	23.88	23.75	23.75	23.78					
20	16QAM	1	49	23.77	23.69	23.69	23.74		24.5	1	1	
20	16QAM	1	99	23.73	23.76	23.78	23.83					
20	16QAM	50	1	22.76	22.76	22.76	22.72					
20	16QAM	50	24	22.83	22.84	22.85	22.58		25.5	2	2	
20	16QAM	100	1	22.79	22.71	22.72	22.79					
20	16QAM	100	5	22.74	22.68	22.68	22.70					
20	64QAM	1	0	22.61	22.65	22.65	22.52					
20	64QAM	1	49	22.61	22.65	22.65	22.58		25.5	2	2	
20	64QAM	1	99	22.62	22.71	22.71	22.71					
20	64QAM	50	1	21.29	21.83	21.84	21.84					
20	64QAM	50	24	21.84	21.85	21.85	21.85		25.5	3	3	
20	64QAM	50	50	21.72	21.87	21.87	21.78					
20	64QAM	100	1	21.87	21.76	21.80	21.80					
20	64QAM	1	49	21.84	21.82	21.82	21.82					
20	256QAM	1	49	19.49	19.03	19.03	19.03		20.5	1	1	
20	256QAM	1	99	19.50	19.09	19.09	19.58					
20	256QAM	1	99	19.50	19.09	19.09	19.58					
20	256QAM	50	24	19.26	19.79	19.79	19.80		20.5	1	1	
20	256QAM	100	1	19.26	19.81	19.78	19.78					
20	256QAM	100	5	19.26	19.81	19.81	19.78					
Channel												
				20605	21000	21000	21000					
Frequency (MHz)												
15	QPSK	1	0	24.36	24.56	24.56	24.47					
15	QPSK	1	37	24.48	24.62	24.62	24.58		25.5	0	0	
15	QPSK	1	74	24.43	24.56	24.56	24.56					
15	QPSK	1	36	23.77	23.77	23.77	23.83					
15	QPSK	25	0	23.61	23.71	23.71	23.76		24.5	1	1	
15	QPSK	25	1	23.61	23.71	23.71	23.76					
15	16QAM	1	0	23.62	23.63	23.63	23.56					
15	16QAM	1	5	23.76	23.72	23.78	23.78					
15	16QAM	1	49	23.76	23.68	23.68	23.75					
15	16QAM	1	74	23.70	23.68	23.68	23.75					
15	16QAM	36	0	22.71	22.68	22.67	22.71		25.5	2	2	
15	16QAM	36	26	22.68	22.68	22.68	22.67					
15	16QAM	36	39	22.68	22.68	22.67	22.77					
15	16QAM	75	0	22.52	22.46	22.52	22.52					
15	16QAM	1	1	22.52	22.65	22.65	22.67					
15	16QAM	1	49	22.57	22.59	22.59	22.61					
15	16QAM	1	5	22.62	22.63	22.63	22.68		25.5	2	2	
15	16QAM	1	26	22.65	22.65	22.65	22.67					
15	16QAM	1	49	22.67	22.54	22.52	22.51					
15	16QAM	25	0	21.89	21.43	21.80	21.80		25.5	3	3	
15	16QAM	25	1	21.87	21.70	21.68	21.78					
15	16QAM	25	26	21.59	21.58	21.71	21.71					
15	16QAM	50	1	21.72	21.61	21.81	21.87					
15	16QAM	26	26	22.81	22.81	22.84	22.84					
15	256QAM	1	26	19.30	19.02	19.48	19.48		20.5	1	1	
15	256QAM	1	49	19.33	19.00	19.52	19.52					
15	256QAM	25	0	19.26	19.73	19.83	19.83					
15	256QAM	25	12	19.73	19.64	19.67	19.67		20.5	1	1	
15	256QAM	25	26	19.80	19.43	19.58	19.58					
15	256QAM	25	52	19.87	19.09	19.49	19.49					
Channel												
				20729	21000	21000	21000					
Frequency (MHz)												
5	QPSK	1	0	24.20	24.00	24.00	24.00					
5	QPSK	1	12	24.35	24.45	24.44	24.44		25.5	0	0	
5	QPSK	1	24	24.40	24.45	24.51	24.51					
5	QPSK	12	0	23.85	23.79	23.77	23.77					
5	QPSK	12	7	23.70	23.69	23.71	23.71		24.5	1	1	
5	QPSK	12	13	23.61	23.59	23.60	23.60					
5	QPSK	25	0	23.59	23.63	23.63	23.63					
5	QPSK	25	0	23.59	23.64	23.49	23.49					
5	16QAM	1	0	23.70	23.65	23.75	23.75		24.5	1	1	
5	16QAM	1	12	23.69	23.63	23.63	23.63					
5	16QAM	1	24	23.58	23.68	23.70	23.70					
5	16QAM	12	0	22.71	22.63	22.62	22.62					
5	16QAM	12	13	22.61	22.56	22.49	22.49		25.5	2	2	
5	16QAM	12	19	22.59	22.67	22.73	22.73					
5	16QAM	25	0	22.56	22.63	22.55	22.55					
5	16QAM	25	0	22.52	22.64	22.64	22.64					
5	64QAM	1	12	22.66	22.64	22.74	22.74		25.5	2	2	
5	64QAM	1	24	22.62	22.62	22.62	22.62					
5	64QAM	12	0	21.65	21.64	21.70	21.70					
5	64QAM	12	7	21.60	21.60	21.58	21.58		25.5	3	3	
5	64QAM	12	13	21.55	21.49	21.60	21.60					
5	64QAM	25	0	21.74	21.71	21.77	21.77					
5	256QAM	1	0	19.30	19.42	19.41	19.41					
5	256QAM	1	12	19.34	19.08	19.50	19.50		20.5	1	1	
5	256QAM	1	24	19.44	19.55	19.49	19.49					
5	256QAM	12	0	19.27	19.69	19.69	19.69					
5	256QAM	12	13	19.58	19.61	19.78	19.78		20.5	1	1	
5	256QAM	12	19	19.61	19.02	19.66	19.66					
5	256QAM	25	0	19.70	19.68	19.68	19.68					

Band 6e Ant3 DS14 Default												
RF (MHz)	Modulation	RF Rate	RF Offset	Ch. Power	Power	Power	Power	Time-up	Time-up	Time-up	Time-up	Time-up
				Flux	Flux	Flux	Flux	Ch. Power	Ch. Power	Ch. Power	Ch. Power	Ch. Power
Channel												
20	QPSK	1	0	24.62	24.68	24.68	24.57					
20	QPSK	1	66	24.61	24.66	24.66	24.50					
20	QPSK	1	132	24.58	24.65	24.65	24.43					
20	QPSK	50	0	23.79	23.83	23.83	23.78					
20	QPSK	50	66	23.76	23.82	23.82	23.65					
20	QPSK	50	132	23.64	23.75	23.75	23.59					
20	QPSK	100	0	23.72	23.77	23.77	23.75					
20	QPSK	100	66	23.69	23.76	23.76	23.67					
20	QPSK	100	132	23.66	23.74	23.74	23.59					
20	QPSK	1	0	22.72	22.68	22.76						
20	QPSK	1	66	22.69	22.72	22.78						
20	QPSK	1	132	22.66	22.71	22.78						
20	QPSK	50	0	21.74	21.68	21.68						
20	QPSK	50	66	21.71	21.66	21.66						
20	QPSK	50	132	21.68	21.63	21.63						
20	QPSK	100	0	21.79	21.68	21.66						
20	QPSK	100	66	21.76	21.65	21.64						
20	QPSK	100	132	21.73	21.62	21.61						
20	QPSK	1	69	19.71	19.61	19.58						
20	QPSK	1	139	19.69	19.58	19.73						
20	QPSK	1	278	19.67	19.56	19.67						
20	QPSK	50	69	19.76	19.66	19.65						
20	QPSK	50	139	19.73	19.62	19.67						
20	QPSK	50	278	19.71	19.60	19.67						
Channel												
15	QPSK	1	0	19.67	19.62	19.69	19.67					
15	QPSK	1	67	19.64	19.59	19.67	19.64					
15	QPSK	1	134	19.60	19.54	19.64	19.63					
15	QPSK	1	201	19.57	19.52	19.63	19.61					
15	QPSK	50	0	20.78	20.71	20.78						
15	QPSK	50	67	20.75	20.69	20.77						
15	QPSK	50	134	20.72	20.66	20.76						
15	QPSK	50	201	20.69	20.63	20.75						
15	QPSK	1	0	23.63	23.70	23.60						
15	QPSK	1	67	23.60	23.67	23.57						
15	QPSK	1	134	23.57	23.63	23.55						
15	QPSK	50	0	22.54	22.64	22.73						
15	QPSK	50	67	22.51	22.59	22.68						
15	QPSK	50	134	22.47	22.54	22.63						
15	QPSK	50	201	22.44	22.52	22.60						
15	QPSK	1	67	22.55	22.30	22.44						
15	QPSK	1	134	22.52	22.40	22.44						
15	QPSK	50	67	21.60	21.52	21.57						
15	QPSK	50	134	21.57	21.54	21.67						
15	QPSK	50	201	21.64	21.56	21.59						
15	QPSK	1	0	19.54	19.48	19.55						
15	QPSK	1	67	19.51	19.45	19.52						
15	QPSK	1	134	19.48	19.42	19.49						
15	QPSK	1	201	19.45	19.39	19.46						
15	QPSK	50	0	19.69	19.74	19.61						
15	QPSK	50	67	19.66	19.71	19.58						
15	QPSK	50	134	19.63	19.68	19.55						
15	QPSK	50	201	19.60	19.65	19.52						
15	QPSK	1	69	19.71	19.61	19.68						
15	QPSK	1	139	19.69	19.58	19.67						
15	QPSK	1	278	19.67	19.56	19.67						
15	QPSK	50	69	19.76	19.66	19.65						
15	QPSK	50	139	19.73	19.62	19.67						
15	QPSK	50	278	19.71	19.60	19.67						
Channel												
10	QPSK	1	0	17.16	17.14	17.15						
10	QPSK	1	6	24.58	24.56	24.57						
10	QPSK	1	12	24.55	24.53	24.54						
10	QPSK	1	69	24.48	24.45	24.49						
10	QPSK	25	0	23.73	23.70	23.69						
10	QPSK	25	69	23.70	23.67	23.66						
10	QPSK	25	138	23.67	23.64	23.63						
10	QPSK	25	207	23.64	23.61	23.60						
10	QPSK	50	0	23.55	23.67	23.68						
10	QPSK	50	69	23.52	23.64	23.65						
10	QPSK	50	138	23.49	23.57	23.57						
10	QPSK	50	207	23.46	23.54	23.54						
10	QPSK	1	69	23.88	23.71	23.79						
10	QPSK	1	139	23.85	23.68	23.76						
10	QPSK	1	278	23.82	23.65	23.73						
10	QPSK	50	69	23.97	23.80	23.88						
10	QPSK	50	139	23.94	23.77	23.85						
10	QPSK	50	278	23.91	23.74	23.82						
10	QPSK	1	0	22.80	22.82	22.81						
10	QPSK	1	69	22.81	22.73	22.84						
10	QPSK	1	138	22.80	22.75	22.83						
10	QPSK	50	0	22.70	22.75	22.73						
10	QPSK	50	69	22.71	22.76	22.74						
10	QPSK	50	138	22.68	22.73	22.71						
10	QPSK	50	207	22.65	22.70	22.68						
10	QPSK	1	69	22.85	22.68	22.76						
10	QPSK	1	139	22.82	22.65	22.73						
10	QPSK	1	278	22.79	22.62	22.70						
10	QPSK	50	69	22.96	22.79	22.87						
10	QPSK	50	139	22.93	22.76	22.84						
10	QPSK	50	278	22.90	22.73	22.81						
10	QPSK	1	0	21.60	21.58	21.59						
10	QPSK	1	67	21.57	21.54	21.57						
10	QPSK	1	134	21.54	21.51	21.54						
10	QPSK	1	201	21.51	21.48	21.51						
10	QPSK	50	0	21.64	21.47	21.52						
10	QPSK	50	67	21.61	21.44	21.49						
10	QPSK	50	134	21.58	21.41	21.46						
10	QPSK	50	201	21.55	21.38	21.43						
10	QPSK	1	69	19.58	19.56	19.57						
10	QPSK	1	139	19.55	19.53	19.54						
10	QPSK	1	278	19.52	19.50	19.51						
10	QPSK	50	69	19.67	19.64	19.65						
10	QPSK	50	139	19.64	19.61	19.62						
10	QPSK	50	278	19.61	19.58	19.59						
10	QPSK	1	69	19.76	19.73	19.74						
10	QPSK	1	139	19.73	19.70	19.71						
10	QPSK	1	278	19.70	19.67	19.68						
10	QPSK	50	69	19.85	19.84	19.87						
10	QPSK	50	139	19.82	19.80	19.81						
10	QPSK	50	278	19.79	19.77	19.78						
10	QPSK	1	69	19.92	19.90	19.93						
10	QPSK	1	139	19.89	19.87	19.88						
10	QPSK	1	278	19.86	19.84	19.85						
10	QPSK	50	69	21.93	21.90	21.91						
10	QPSK	50	139	21.90	21.87	21.88						
10	QPSK	50	278	21.87	21.84	21.85						
10	QPSK	1	69	24.00	23.97	23.98						
10	QPSK	1	139	23.97	23.94	23.95						
10	QPSK	1	278	23.94	23.91	23.92						
10	QPSK	50	69	24.05	24.02	24.03						
10	QPSK	50	139	24.02	23.99	24.00						
10	QPSK	50	278	24.00	23.97	23.98						
10	QPSK	1	0	23.81	23.86	23.84						
10	QPSK	1	66	23.81	23.88	23.83						
10	QPSK	1	132	23.78	23.83	23.79						
10	QPSK	50	0	23.79	23.83	23.78						
10	QPSK	50	66	23.76	23.81	23.77						
10	QPSK	50	132	23.73	23.77	23.76						
10	QPSK	100	0	23.72	23.77	23.72						
10	QPSK	100	66	23.69	23.74	23.69						
10	QPSK	100	132	23.66	23.71	23.66						
10	QPSK	1	0	22.72	22.68	22.76						
10	QPSK	1	66	22.69	22.72	22.78						
10	QPSK	1	132	22.66	22.71	22.78						
10	QPSK	50	0	21.74	21.68	21.68						
10	QPSK	50	66	21.71	21.66	21.66						
10	QPSK	50	132	21.68	21.63	21.63						
10	QPSK	100	0	21.79	21.68	21.66						
10	QPSK	100	66	21.76	21.65	21.64						
10	QPSK	100	132	21.73	21.62	21.						

Band 38 Ant3 DS4 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up freq (MHz)	MPR (dB)				
Channel				37650	38000	38150						
Frequency (MHz)												
20	QPSK	1	0	24.11	24.20	24.50	25.5	0				
20	QPSK	1	49	24.00	24.08	24.14						
20	QPSK	1	99	24.00	24.13	24.00						
20	QPSK	50	0	23.19	23.26	23.60	24.5	1				
20	QPSK	50	24	23.18	23.17	23.50						
20	QPSK	50	50	23.17	23.23	23.10						
20	QPSK	100	0	23.19	23.26	23.10	24.5	1				
20	HQAM	1	0	23.19	23.05	23.00						
20	HQAM	1	49	23.38	23.31	23.30						
20	HQAM	1	99	23.27	23.12	23.15	23.5	2				
20	HQAM	50	0	22.26	22.19	22.15						
20	HQAM	50	24	22.33	22.24	22.20						
20	HQAM	100	0	22.31	22.23	22.21	23.5	2				
20	HQAM	1	0	22.26	22.19	22.24						
20	HQAM	1	49	22.30	22.32	22.47						
20	HQAM	1	99	22.46	22.38	22.42	22.5	3				
20	HQAM	50	0	21.21	21.24	21.40						
20	HQAM	50	24	21.17	21.23	21.14						
20	HQAM	100	0	21.26	21.28	21.17	20.5	5				
20	SSQAM	1	0	19.08	19.22	19.08						
20	SSQAM	1	49	19.05	19.07	19.20						
20	SSQAM	1	99	19.07	19.08	19.07	20.5	5				
20	SSQAM	50	0	19.23	19.18	19.10						
20	SSQAM	50	24	19.23	19.14	19.20						
20	SSQAM	50	50	19.25	19.14	19.20	20.5	5				
20	SSQAM	100	0	19.18	19.27	19.14						
Channel				2577.5	2595	2612.5	Tune-up freq (MHz)	MPR (dB)				
Frequency (MHz)												
15	QPSK	1	0	24.00	24.07	23.98	25.5	0				
15	QPSK	1	37	23.98	24.01	24.00						
15	QPSK	1	74	23.94	24.07	23.89						
15	QPSK	36	0	23.10	23.15	23.00	24.5	1				
15	QPSK	36	20	23.10	23.10	23.12						
15	QPSK	36	39	23.31	23.11	23.06						
15	QPSK	1	0	23.33	23.14	23.21	24.5	1				
15	HQAM	1	0	23.08	22.97	22.92						
15	HQAM	1	37	23.16	23.08	23.07						
15	HQAM	1	74	23.18	23.09	23.07	23.5	2				
15	HQAM	36	0	22.11	22.08	22.00						
15	HQAM	36	39	22.36	22.12	22.17						
15	HQAM	36	39	22.20	22.19	22.18	23.5	2				
15	HQAM	75	0	22.20	22.19	22.11						
15	HQAM	1	0	22.24	22.09	22.16						
15	HQAM	1	37	22.22	22.19	22.39	23.5	2				
15	HQAM	1	74	22.36	22.15	22.16						
15	HQAM	36	0	21.34	21.21	21.38						
15	HQAM	36	39	21.23	21.23	21.20	22.5	3				
15	HQAM	36	39	21.16	21.09	21.00						
15	HQAM	75	0	21.28	21.24	21.20						
15	SSQAM	1	0	19.07	19.08	19.15	20.5	5				
15	SSQAM	1	37	19.02	19.08	19.15						
15	SSQAM	1	74	19.03	18.99	18.91						
15	SSQAM	36	0	19.11	19.07	19.00	20.5	5				
15	SSQAM	36	20	19.09	19.22	19.00						
15	SSQAM	36	39	19.11	19.13	19.17						
15	SSQAM	75	0	19.08	19.25	19.12	20.5	5				
15	SSQAM	1	0	19.00	19.00	19.00						
15	SSQAM	1	37	19.02	19.08	19.15						
Channel				38650	38650	38650	Tune-up freq (MHz)	MPR (dB)				
Frequency (MHz)												
10	QPSK	1	0	24.02	24.08	23.90	25.5	0				
10	QPSK	1	25	23.89	23.97	24.08						
10	QPSK	1	49	24.00	23.99	24.00						
10	QPSK	25	0	23.52	23.17	23.24	24.5	1				
10	QPSK	25	12	23.94	23.62	23.11						
10	QPSK	25	25	23.50	23.17	23.00						
10	QPSK	50	0	23.33	23.22	23.20	24.5	1				
10	HQAM	1	0	23.00	22.93	22.90						
10	HQAM	1	25	23.26	23.27	23.30						
10	HQAM	1	49	23.08	23.04	23.10	23.5	2				
10	HQAM	25	0	22.14	22.12	22.00						
10	HQAM	25	12	22.30	22.13	22.12						
10	HQAM	50	0	22.23	22.19	22.15	23.5	2				
10	HQAM	50	25	22.26	22.15	22.11						
10	HQAM	1	0	22.28	22.13	22.13						
10	HQAM	1	49	22.36	22.26	22.38	22.5	3				
10	HQAM	25	0	21.31	21.20	21.31						
10	HQAM	25	12	21.19	21.20	21.19						
10	HQAM	50	0	21.26	21.26	21.26	20.5	5				
10	HQAM	50	25	21.10	21.01	21.11						
10	SSQAM	1	0	19.09	19.08	19.07						
10	SSQAM	1	25	19.05	19.03	19.02	20.5	5				
10	SSQAM	1	49	19.03	19.00	19.00						
10	SSQAM	25	0	19.12	19.10	19.09						
10	SSQAM	25	12	19.09	19.08	19.04	20.5	5				
10	SSQAM	25	25	19.25	19.05	19.07						
10	SSQAM	50	0	19.07	19.15	19.09						
Channel				2692.5	2695	2697.5	Tune-up freq (MHz)	MPR (dB)				
Frequency (MHz)												
5	QPSK	1	0	24.01	24.10	23.93	25.5	0				
5	QPSK	1	12	23.97	23.94	24.00						
5	QPSK	1	24	24.00	23.99	23.90						
5	QPSK	12	0	23.07	23.11	23.00	24.5	1				
5	QPSK	12	7	23.07	23.10	23.10						
5	QPSK	12	13	23.26	23.15	23.10						
5	QPSK	25	0	23.10	22.97	22.90	24.5	1				
5	HQAM	1	0	23.10	22.97	22.90						
5	HQAM	1	12	23.25	23.27	23.32						
5	HQAM	1	24	23.18	23.07	23.09	23.5	2				
5	HQAM	12	0	22.11	22.12	22.11						
5	HQAM	12	7	22.26	22.14	22.17						
5	HQAM	12	13	22.21	22.21	22.11	23.5	2				
5	HQAM	25	0	22.28	22.13	22.00						
5	HQAM	1	0	22.23	22.12	22.11						
5	HQAM	1	12	22.24	22.25	22.40	22.5	3				
5	HQAM	1	24	22.29	22.24	22.37						
5	HQAM	12	7	21.36	21.22	21.34						
5	HQAM	12	7	21.34	21.13	21.10	22.5	3				
5	HQAM	12	13	21.11	21.06	21.08						
5	HQAM	25	0	21.26	21.31	21.24						
5	SSQAM	1	0	19.06	19.16	19.05	20.5	5				
5	SSQAM	1	12	19.03	19.01	19.04						
5	SSQAM	1	24	19.01	19.00	18.91						
5	SSQAM	12	0	19.22	19.12	19.00	20.5	5				
5	SSQAM	12	7	19.20	19.18	19.05						
5	SSQAM	12	13	19.14	19.07	19.20						



Band 38 Ant4 DSI4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up freq (MHz)	MPR (dB)				
Channel				37650	38000	38150						
Frequency (MHz)				25950	25965	26123.5						
20	QPSK	1	0	22.21	22.26	22.29	23	0				
20	QPSK	1	49	22.10	22.28	22.13						
20	QPSK	1	99	21.99	22.16	22.07						
20	QPSK	50	0	22.10	22.20	22.19	23	0				
20	QPSK	50	24	21.93	22.08	22.08						
20	QPSK	50	50	21.92	22.10	22.17						
20	QPSK	100	0	22.10	22.20	22.17	23	0				
20	HQAM	1	0	21.90	22.25	22.13						
20	HQAM	1	49	21.93	21.97	22.20						
20	HQAM	1	99	22.16	22.30	22.16	23	0				
20	HQAM	50	0	22.00	22.18	21.94						
20	HQAM	50	24	21.95	22.13	22.13						
20	HQAM	100	0	21.90	22.14	22.15	23	0				
20	HQAM	100	0	21.90	22.10	22.05						
20	HQAM	1	0	22.21	22.22	22.26	23	0				
20	HQAM	1	49	21.98	22.08	22.07						
20	HQAM	1	99	21.81	22.17	22.07						
20	HQAM	50	24	21.20	21.25	21.31	22	1				
20	HQAM	50	50	21.21	21.27	21.85						
20	HQAM	100	0	21.97	21.21	21.35						
20	SSBQAM	1	0	19.25	19.33	19.27	20	3				
20	SSBQAM	1	49	19.13	19.31	19.21						
20	SSBQAM	1	99	19.01	19.06	19.26						
20	SSBQAM	50	0	19.09	19.43	19.30	20	3				
20	SSBQAM	50	24	19.17	19.37	19.32						
20	SSBQAM	50	50	19.11	19.27	19.16						
20	SSBQAM	100	0	19.06	19.10	19.25	20	3				
20	SSBQAM	100	0	19.06	19.10	19.25						
20	SSBQAM	100	0	19.07	19.10	19.25						
Channel				37650	38000	38150	Tune-up freq (MHz)	MPR (dB)				
Frequency (MHz)				22.173	26065	26123.5						
10	QPSK	1	0	22.17	22.18	22.25	23	0				
10	QPSK	1	25	21.92	22.22	22.60						
10	QPSK	1	49	21.94	22.17	22.15						
10	QPSK	25	0	21.96	22.16	22.11	23	0				
10	QPSK	25	12	21.93	21.99	22.05						
10	QPSK	25	49	21.80	21.96	22.00						
10	QPSK	50	0	22.16	22.07	22.04	23	0				
10	HQAM	1	0	21.72	22.16	22.16						
10	HQAM	1	25	21.90	21.76	22.21						
10	HQAM	1	49	22.12	22.13	21.93	23	0				
10	HQAM	25	0	21.87	22.08	21.79						
10	HQAM	25	12	21.88	21.99	22.11						
10	HQAM	25	25	22.02	22.12	22.05	23	0				
10	HQAM	50	0	21.94	21.92	21.89						
10	HQAM	1	0	22.01	22.12	22.12						
10	HQAM	1	49	21.76	22.15	21.87	23	0				
10	HQAM	25	0	21.72	21.43	21.16						
10	HQAM	25	12	21.67	21.15	21.04						
10	HQAM	25	25	21.16	21.09	21.01	22	1				
10	HQAM	50	0	20.97	21.17	21.01						
10	SSBQAM	1	0	19.14	19.29	19.30						
10	SSBQAM	1	25	19.14	19.28	19.19	20	3				
10	SSBQAM	1	49	19.00	19.01	19.10						
10	SSBQAM	25	0	19.08	19.41	19.33						
10	SSBQAM	25	12	19.09	19.21	19.16	20	3				
10	SSBQAM	25	25	19.01	19.15	19.05						
10	SSBQAM	50	0	19.07	19.30	19.17						
Channel				37650	38000	38150	Tune-up freq (MHz)	MPR (dB)				
Frequency (MHz)				22.253	26065	26123.5						
5	QPSK	1	13	22.25	22.15	22.10	23	0				
5	QPSK	1	12	22.25	22.27	22.13						
5	QPSK	1	24	22.34	22.07	22.23						
5	QPSK	12	0	22.25	22.09	22.09	23	0				
5	QPSK	12	7	21.92	21.88	22.01						
5	QPSK	12	13	21.82	21.91	22.00						
5	QPSK	25	0	22.14	22.17	22.23	23	0				
5	QPSK	25	1	21.86	22.17	21.83						
5	HQAM	1	0	21.69	21.95	22.09						
5	HQAM	1	24	21.95	22.25	22.09	23	0				
5	HQAM	12	0	22.00	22.06	21.86						
5	HQAM	12	7	21.75	21.68	21.67						
5	HQAM	12	13	21.66	21.62	21.69	23	0				
5	HQAM	25	0	21.80	21.94	21.80						
5	HQAM	25	1	21.79	22.07	22.07						
5	HQAM	1	12	21.89	22.05	21.97	23	0				
5	HQAM	1	24	21.75	22.06	21.84						
5	HQAM	12	0	21.21	21.43	21.10						
5	HQAM	12	7	21.21	21.22	21.21	22	1				
5	HQAM	12	13	21.17	21.24	21.24						
5	HQAM	25	0	20.88	21.13	21.26						
5	SSBQAM	1	12	19.25	19.25	19.23	20	3				
5	SSBQAM	1	12	19.13	19.10	19.01						
5	SSBQAM	1	24	19.02	19.11	19.23						
5	SSBQAM	12	0	19.04	19.18	19.24	20	3				
5	SSBQAM	12	7	19.10	19.25	19.29						
5	SSBQAM	12	13	19.16	19.25	19.26						

Band 4 Ant5 DS14 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	2307	2314	2311			24.5	0
20	QPSK	1	40	2303	2310	2317				
20	QPSK	1	80	2310	2319	2329				
20	QPSK	16	0	2208	2217	2227				
20	QPSK	50	6	2206	2217	2221			23.5	1
20	QPSK	50	30	2210	2221	2225				
20	QPSK	100	0	2188	2212	2220				
20	NRAM	1	0	2220	2223	2225				
20	NRAM	1	40	2230	2232	2235			23.5	1
20	NRAM	1	80	2230	2231	2237				
20	NRAM	50	24	2128	2128	2124				
20	NRAM	50	50	2130	2131	2125				
20	NRAM	100	0	2120	2117	2128			22.5	2
20	NRAM	1	0	2130	2128	2136				
20	NRAM	1	80	2140	2140	2153				
20	NRAM	1	90	2135	2135	2135				
20	NRAM	50	6	2017	2021	2035			21.5	3
20	NRAM	50	30	2020	2025	2021				
20	NRAM	100	0	2033	2037	2025				
20	ZSSGAM	1	40	1800	1808	1802				
20	ZSSGAM	1	90	1802	1807	1804			19.5	5
20	ZSSGAM	1	100	1803	1802	1794				
20	ZSSGAM	50	24	1807	1803	1828				
20	ZSSGAM	50	50	1813	1822	1812				
20	ZSSGAM	100	0	1803	1810	1813				
Channel				19665	19715	19650	Turn-up (dB)	MPE (dB)		
Frequency (MHz)										
15	QPSK	1	0	2214	2316	2295			24.5	0
15	QPSK	1	37	2288	2307	2285				
15	QPSK	1	74	2306	2295	2288				
15	QPSK	16	0	2210	2212	2218				
15	QPSK	36	20	2222	2229	2214			23.5	1
15	QPSK	36	50	2223	2237	2219				
15	QPSK	75	0	2225	2222	2236				
15	NRAM	1	40	2208	2210	2213				
15	NRAM	1	77	2223	2228	2227			23.5	1
15	NRAM	1	74	2223	2224	2224				
15	NRAM	50	0	2113	2110	2118				
15	NRAM	50	20	2125	2117	2111				
15	NRAM	50	39	2123	2116	2129			22.5	2
15	NRAM	75	0	2108	2111	2125				
15	NRAM	1	0	2124	2122	2127				
15	NRAM	1	37	2124	2137	2125				
15	NRAM	1	74	2124	2122	2127			22.5	2
15	NRAM	50	0	2030	2031	2030				
15	NRAM	50	20	2025	2024	2013				
15	NRAM	50	39	2022	2012	2007				
15	ZSSGAM	1	0	1787	1799	1805			19.5	5
15	ZSSGAM	1	40	1797	1807	1796				
15	ZSSGAM	1	37	1781	1807	1786				
15	ZSSGAM	50	0	1803	1803	1802				
15	ZSSGAM	50	24	1797	1813	1822			19.5	5
15	ZSSGAM	50	50	1803	1818	1829				
15	ZSSGAM	100	0	1803	1804	1815				
15	ZSSGAM	75	0	1789	1798	1796				
Channel				19665	19715	19650	Turn-up (dB)	MPE (dB)		
Frequency (MHz)										
10	QPSK	1	0	2293	2304	2298			24.5	0
10	QPSK	1	12	2297	2297	2292				
10	QPSK	1	40	2306	2305	2294				
10	QPSK	25	0	2217	2204	2214				
10	QPSK	25	12	2231	2214	2215			23.5	1
10	QPSK	25	25	2232	2219	2215				
10	QPSK	50	0	2215	2224	2236				
10	NRAM	1	0	2216	2212	2217				
10	NRAM	1	25	2217	2227	2231			23.5	1
10	NRAM	1	40	2203	2201	2197				
10	NRAM	1	75	2218	2217	2211				
10	NRAM	25	12	2126	2120	2119				
10	NRAM	25	25	2120	2116	2128			22.5	2
10	NRAM	50	0	2108	2108	2114				
10	NRAM	1	0	2113	2128	2128				
10	NRAM	1	25	2152	2134	2144				
10	NRAM	1	40	2129	2122	2126			21.5	3
10	NRAM	25	0	2034	2037	2029				
10	NRAM	25	12	2027	2023	2017				
10	NRAM	25	25	2035	2011	2028				
10	NRAM	50	0	2030	2025	2017			19.5	5
10	NRAM	50	24	1928	1928	1928				
10	NRAM	1	25	1725	1805	1794				
10	ZSSGAM	1	40	1804	1803	1796				
Channel				19665	19715	19650	Turn-up (dB)	MPE (dB)		
Frequency (MHz)										
5	QPSK	1	0	2244	2248	2247			24.5	0
5	QPSK	1	12	2248	2240	2245				
5	QPSK	1	24	2300	2300	2285				
5	QPSK	12	0	2215	2214	2218				
5	QPSK	12	7	2220	2211	2216			23.5	1
5	QPSK	12	13	2228	2200	2215				
5	QPSK	25	0	2226	2226	2218				
5	NRAM	1	0	2214	2219	2215				
5	NRAM	1	12	2222	2222	2222			23.5	1
5	NRAM	1	24	2201	2188	2203				
5	NRAM	12	0	2118	2116	2118				
5	NRAM	12	7	2132	2119	2126				
5	NRAM	12	13	2128	2119	2131			22.5	2
5	NRAM	25	0	2107	2111	2118				
5	NRAM	1	0	2123	2117	2128				
5	NRAM	1	12	2150	2137	2143				
5	NRAM	1	24	2129	2125	2123			21.5	3
5	NRAM	12	0	2030	2031	2025				
5	NRAM	12	7	2017	2024	2009				
5	NRAM	12	13	2018	2012	2007				
5	NRAM	25	0	2018	2012	2015			19.5	5
5	ZSSGAM	1	0	1788	1807	1794				
5	ZSSGAM	1	13	1787	1798	1785				
5	ZSSGAM	1	24	1801	1800	1793				
5	ZSSGAM	12	0	1800	1823	1818				
5	ZSSGAM	12	7	1805	1821	1822			19.5	5
5	ZSSGAM	12	13	1805	1811	1803				
5	ZSSGAM	25	0	1788	1797	1794				
Channel				19665	19715	19650	Turn-up (dB)	MPE (dB)		
Frequency (MHz)										
3	QPSK	1	0	2302	2309	2308			24.5	0
3	QPSK	1	8	2244	2226	2237				
3	QPSK	1	14	2303	2304	2290				
3	QPSK	8	0	2223	2212	2213				
3	QPSK	8	4	2226	2226	2219			23.5	1
3	QPSK	8	7	2239	2213	2223				
3	NRAM	1	0	2208	2212	2215				
3	NRAM	1	8	2220	2224	2221				
3	NRAM	1	14	2236	2225	2225			23.5	1
3	NRAM	8	0	2113	2108	2117				
3	NRAM	8	4	2130	2121	2120				
3	NRAM	8	7	2122	2126	2123				
3	NRAM	15	0	2111	2114	2118			22.5	2
3	NRAM	1	0	2121	2119	2125				
3	NRAM	8	0	2130	2130	2140				
3	NRAM	1	14	2124	2130	2124				
3	NRAM	8	0	2137	2137	2147			21.5	3
3	NRAM	8	4	2016	2015	2009				
3	NRAM	8	7	2021	2013	2007				
3	NRAM	15	0	1804	1808	1808				
3	ZSSGAM	1	8	1785	1806	1786			19.5	5
3	ZSSGAM	1	14	1807	1806	1793				
3	ZSSGAM	8	0	1785	1812	1822				
3	ZSSGAM	8	4	1801	1818	1819				
3	ZSSGAM	8	7	1802	1811	1806			19.5	5
3	ZSSGAM	15	0	1799	1804	1793				
3	ZSSGAM	15	8	1797	1823	1823				
Channel				19665	19715	19650	Turn-up (dB)	MPE (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	2303	2308	2305			24.5	0
1.4	QPSK	1	3	2295	2298	2291				
1.4	QPSK	1	14	2303	2304	2290				
1.4	QPSK	3	0	2288	2302	2303				
1.4	QPSK	3	6	2290	2290	2283			23.5	1
1.4	QPSK	3	9	2291	2291	2285				
1.4	QPSK	8	0	2226	2231	2225				
1.4	NRAM	1	0	2226	2231	2225				
1.4	NRAM	1	3	2228	2234	2237			23.5	1
1.4	NRAM	1	6	2229	2236	2239				
1.4	NRAM	3	3	2198	2220	2221				
1.4	NRAM	3	6	2198	2211	2216				
1.4	NRAM	1	0	2125	2122	2111			22.5	2
1.4	NRAM	1	3	2122	2120	2131				
1.4	NRAM	3	0	2121	2140	2150				
1.4	NRAM	3	3	2122	2136	2138				
1.4	NRAM	1	0	2012	2010	2027			21.5	3
1.4	NRAM	1	3	2012	2010	2010				
1.4	NRAM	1	6	1800	1798	1801				
1.4	NRAM	1	9	1784	1803	1777				
1.4	ZSSGAM	1	3	1802	1822	1828			19.5	5
1.4	ZSSGAM	3	0	1804	1808	1808				
1.4	ZSSGAM	3	3	1813	1816	1808				
1.4	ZSSGAM	3	6	1788	1806	1788				

Band 38 Ant5 DS4 Default																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Max Ch / Freq.	Power High Ch / Freq.	Tune-up freq (MHz)	MPR (dB)									
Channel				37650	38000	38150											
Frequency (MHz)				25950	25950	25950											
20	QPSK	1	0	23.88	23.93	23.83	25	0									
20	QPSK	1	49	23.77	23.86	23.66											
20	QPSK	1	99	23.74	23.84	23.67											
20	QPSK	50	0	22.76	23.09	22.58											
20	QPSK	50	24	22.96	23.06	22.69											
20	QPSK	50	50	22.93	22.98	23.54	24	1									
20	QPSK	100	0	22.89	22.93	22.84											
20	HQAM	1	0	22.92	22.96	23.00											
20	HQAM	1	49	22.95	22.95	22.94											
20	HQAM	1	99	22.14	22.05	22.17											
20	HQAM	50	0	22.11	22.00	22.03	23	2									
20	HQAM	50	24	21.69	22.94	22.11											
20	HQAM	50	50	22.06	22.21	22.13											
20	HQAM	100	0	22.04	21.92	22.06											
20	HQAM	1	0	22.18	22.07	22.01											
20	HQAM	1	49	21.79	21.93	21.96	23	2									
20	HQAM	1	99	21.85	21.79	21.96											
20	HQAM	50	0	21.92	21.96	21.90											
20	HQAM	50	24	21.05	20.98	21.05											
20	HQAM	50	50	20.81	20.85	20.87											
20	HQAM	100	0	21.09	20.95	21.21	22	3									
20	SSQAM	1	0	18.87	18.89	18.86											
20	SSQAM	1	49	18.89	18.89	18.86											
20	SSQAM	1	99	18.92	18.89	18.97											
20	SSQAM	50	0	18.90	19.10	19.12											
20	SSQAM	50	24	18.90	19.10	19.12	20	5									
20	SSQAM	50	50	18.94	19.17	19.05											
20	SSQAM	100	0	18.96	19.02	18.97											
Channel				37650	38000	38150											
Frequency (MHz)				25973.8	25975	26123.8											
15	QPSK	1	0	23.14	23.17	23.16	25	0									
15	QPSK	1	49	23.05	23.80	23.66											
15	QPSK	1	74	23.71	23.89	23.74											
15	QPSK	36	20	23.02	22.86	23.08											
15	QPSK	36	20	23.02	22.86	23.08											
15	QPSK	36	79	23.08	22.82	22.95	24	1									
15	QPSK	36	79	22.99	22.17	22.89											
15	HQAM	1	0	22.81	22.92	22.89											
15	HQAM	1	49	22.97	22.96	22.96											
15	HQAM	1	74	23.11	22.99	23.08											
15	HQAM	36	0	21.99	21.95	21.97	23	2									
15	HQAM	36	0	21.85	21.94	22.00											
15	HQAM	36	39	21.98	22.14	22.09											
15	HQAM	75	0	21.92	21.81	21.96											
15	HQAM	1	0	22.04	22.02	21.98											
15	HQAM	1	37	21.88	21.80	21.82	23	2									
15	HQAM	1	37	21.76	21.74	21.80											
15	HQAM	36	0	21.02	20.91	21.04											
15	HQAM	36	39	20.92	20.92	20.94											
15	HQAM	36	39	20.77	20.71	20.82											
15	HQAM	75	0	20.99	20.88	21.12	22	3									
15	SSQAM	1	0	18.90	18.94	18.90											
15	SSQAM	1	37	18.75	18.91	18.75											
15	SSQAM	1	74	18.78	18.71	18.80											
15	SSQAM	36	0	18.86	18.93	18.93											
15	SSQAM	36	20	18.81	18.93	18.90	20	5									
15	SSQAM	36	39	18.84	18.99	18.96											
15	SSQAM	75	0	18.90	18.94	18.90											
Channel				37650	38000	38150											
Frequency (MHz)				25973.8	25975	26123.8											
10	QPSK	1	0	23.77	23.77	23.72	25	0									
10	QPSK	1	25	23.74	23.74	23.62											
10	QPSK	1	49	23.63	23.69	23.69											
10	QPSK	25	0	22.67	22.69	22.90											
10	QPSK	25	12	22.97	22.92	23.04											
10	QPSK	25	12	22.94	22.93	22.96	24	1									
10	QPSK	50	0	22.05	22.70	22.84											
10	HQAM	1	0	22.98	22.96	22.96											
10	HQAM	1	25	22.81	22.90	22.88											
10	HQAM	1	49	22.05	22.98	23.02											
10	HQAM	25	0	22.08	21.97	21.94	23	2									
10	HQAM	25	12	21.86	21.96	22.03											
10	HQAM	50	20	21.97	22.15	22.02											
10	HQAM	50	20	21.86	21.79	21.85											
10	HQAM	1	0	22.03	21.98	21.82											
10	HQAM	1	25	21.74	21.83	21.88	23	2									
10	HQAM	1	49	21.75	21.87	21.85											
10	HQAM	25	0	21.98	20.91	21.96											
10	HQAM	25	12	20.86	20.83	21.03											
10	HQAM	50	20	20.76	20.74	20.83											
10	HQAM	50	20	21.09	20.82	21.09	22	3									
10	SSQAM	1	0	18.75	18.91	18.87											
10	SSQAM	1	25	18.89	18.89	18.73											
10	SSQAM	1	49	18.76	18.78	18.80											
10	SSQAM	25	0	18.69	18.90	19.03											
10	SSQAM	25	12	18.81	18.92	18.96	20	5									
10	SSQAM	25	25	18.81	18.93	18.95											
10	SSQAM	50	0	18.79	18.91	18.83											
Channel				37650	38000	38150											
Frequency (MHz)				26123.8	26125	26173.8											
5	QPSK	1	0	23.79	23.79	23.69	25	0									
5	QPSK	1	12	23.65	23.79	23.62											
5	QPSK	1	24	23.62	23.82	23.72											
5	QPSK	12	0	22.92	22.76	22.97											
5	QPSK	12	13	22.94	22.88	23.07											
5	QPSK	12	13	22.88	22.83	22.85	24	1									
5	QPSK	25	0	22.06	22.78	22.84											
5	HQAM	1	0	22.85	22.87	22.90											
5	HQAM	1	12	22.88	22.91	22.87											
5	HQAM	1	24	22.97	22.99	23.00											
5	HQAM	12	0	21.97	21.89	21.90	23	2									
5	HQAM	12	7	21.99	21.97	22.00											
5	HQAM	12	13	22.02	22.18	22.10											
5	HQAM	25	0	21.94	21.83	22.02											
5	HQAM	1	0	22.03	21.95	21.85											
5	HQAM	1	12	21.66	21.80	21.80	23	2									
5	HQAM	1	12	21.66	21.80	21.80											
5	HQAM	12	7	21.95	21.97	22.00											
5	HQAM	12	13	22.01	22.01	22.07											
5	HQAM	25	0	21.85	20.91	21.85											
5	HQAM	25	12	20.85	20.85	20.87	20	5									
5	HQAM	25	25	20.85	20.85	20.87											
5	HQAM	50	0	20.83	20.83	20.83											
Channel				37650	38000	38150											
Frequency (MHz)				26173.8	26175	26223.8											
5	SSQAM	1	12	18.71	18.88	18.76	20	5									
5	SSQAM	1	24	18.63	18.88	18.94											
5	SSQAM	12	0	18.68	18.98	18.94											
5	SSQAM	12	7	18.88	18.87	19.00											
5	SSQAM	12	13	18.76	19.11	18.94											



Band 42 Ant9 DS4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				42160	42660	42666			
				3466	3600	3666			
20	QPSK	1	0	18.33	18.37	18.27	20	0	
20	QPSK	1	49	18.34	18.21	18.28			
20	QPSK	1	89	18.32	18.30	18.33			
20	QPSK	35	0	18.32	18.33	18.19			
20	QPSK	35	24	18.32	18.30	18.18	20	0	
20	QPSK	35	50	18.18	18.18	18.20			
20	QPSK	100	0	18.15	18.30	18.23			
20	16QAM	1	0	18.31	18.18	18.14			
20	16QAM	1	49	18.01	18.24	18.22	20	0	
20	16QAM	1	89	18.20	18.29	18.11			
20	16QAM	35	0	18.18	18.15	18.24			
20	16QAM	35	24	18.02	18.11	18.16			
20	16QAM	100	0	18.33	18.21	18.28	20	0	
20	16QAM	100	0	18.23	18.00	18.12			
20	64QAM	1	0	18.11	18.30	18.17		20	0
20	64QAM	1	49	18.19	18.17	18.15			
20	64QAM	1	89	18.22	18.06	18.18			
20	64QAM	1	35	18.22	18.06	18.18			
20	64QAM	35	24	18.25	18.21	18.15	20	0	
20	64QAM	35	50	18.17	18.20	18.20			
20	64QAM	100	0	18.25	18.24	18.17			
20	256QAM	1	0	18.35	18.27	18.14			
20	256QAM	1	49	18.17	18.01	18.20	20	0	
20	256QAM	1	89	18.12	18.30	18.23			
20	256QAM	35	0	18.27	18.18	18.27			
20	256QAM	35	24	18.22	18.24	18.11			
20	256QAM	50	0	18.25	18.20	18.20	20	0	
20	256QAM	50	24	18.25	18.20	18.20			
20	256QAM	100	0	18.07	18.17	18.34			
Channel									
Frequency (MHz)				3457.5	3500	3542.5	Time-up limit (dBm)	MFR (dB)	
15	QPSK	1	0	18.30	18.24	18.08	20	0	
15	QPSK	1	37	18.25	18.15	18.15			
15	QPSK	1	74	18.27	18.28	18.14			
15	QPSK	36	0	18.30	18.13	18.01			
15	QPSK	36	20	18.25	18.00	18.09	20	0	
15	QPSK	36	39	18.03	18.18	18.15			
15	QPSK	36	76	18.04	18.18	18.12			
15	16QAM	1	0	18.13	18.19	18.13		20	0
15	16QAM	1	37	18.07	18.09	18.09			
15	16QAM	1	74	18.07	18.09	18.09			
15	16QAM	36	0	18.18	18.18	18.08		20	0
15	16QAM	36	20	18.25	18.27	18.08			
15	16QAM	36	39	18.30	18.08	18.17			
15	16QAM	75	0	18.11	18.15	18.26		20	0
15	64QAM	1	37	18.13	18.08	18.02			
15	64QAM	1	74	18.03	18.05	18.02			
15	64QAM	36	0	18.08	18.25	18.12		20	0
15	64QAM	36	20	18.00	18.09	18.11			
15	64QAM	36	39	18.20	18.07	18.08		20	0
15	64QAM	75	0	18.28	18.07	18.01			
15	256QAM	1	37	18.15	18.00	18.15	20	0	
15	256QAM	1	74	18.02	18.24	18.17			
15	256QAM	36	0	18.05	18.18	18.16			
15	256QAM	36	20	18.21	18.07	18.16		20	0
15	256QAM	36	39	18.20	18.00	18.14			
15	256QAM	75	0	18.16	18.09	18.04			
Channel									
Frequency (MHz)				42160	42660	42666	Time-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	18.28	18.25	18.23	20	0	
10	QPSK	1	25	18.33	18.04	18.28			
10	QPSK	1	49	18.32	18.17	18.23			
10	QPSK	25	0	18.32	18.18	18.03		20	0
10	QPSK	25	12	18.03	18.07	18.10			
10	QPSK	25	49	18.23	18.19	18.20			
10	QPSK	50	0	18.24	18.30	18.21	20	0	
10	16QAM	1	0	18.12	18.18	18.02			
10	16QAM	1	25	18.18	18.14	18.16		20	0
10	16QAM	1	49	18.10	18.21	18.27			
10	16QAM	25	0	18.12	18.18	18.09		20	0
10	16QAM	25	12	18.24	18.01	18.02			
10	16QAM	25	49	18.11	18.10	18.14			
10	16QAM	50	0	18.18	18.00	18.22		20	0
10	64QAM	1	0	18.10	18.17	18.08			
10	64QAM	1	25	18.05	18.19	18.09		20	0
10	64QAM	1	49	18.08	18.07	18.14			
10	64QAM	25	0	18.10	18.30	18.02		20	0
10	64QAM	25	12	18.15	18.05	18.13			
10	64QAM	25	49	18.19	18.10	18.10			
10	64QAM	50	0	18.24	18.17	18.21	20	0	
10	64QAM	50	0	18.32	18.17	18.03			
10	256QAM	1	25	18.01	18.01	18.13		20	0
10	256QAM	1	49	18.09	18.10	18.24			
10	256QAM	25	0	18.12	18.15	18.11		20	0
10	256QAM	25	12	18.06	18.07	18.09			
10	256QAM	25	49	18.09	18.04	18.01		20	0
10	256QAM	50	0	18.05	18.27	18.18			
Channel									
Frequency (MHz)				3421.5	3500	3547.5	Time-up limit (dBm)	MFR (dB)	
5	QPSK	1	0	18.22	18.18	18.14	20	0	
5	QPSK	1	12	18.24	18.18	18.11			
5	QPSK	1	24	18.11	18.17	18.31			
5	QPSK	12	0	18.22	18.07	18.22		20	0
5	QPSK	12	7	18.05	18.18	18.05			
5	QPSK	12	13	18.23	18.21	18.13		20	0
5	QPSK	25	0	18.15	18.30	18.23			
5	16QAM	1	0	18.30	18.18	18.07	20	0	
5	16QAM	1	12	18.16	18.21	18.07			
5	16QAM	1	24	18.05	18.15	18.13		20	0
5	16QAM	12	0	18.07	18.04	18.25			
5	16QAM	12	7	18.21	18.06	18.08		20	0
5	16QAM	12	13	18.25	18.13	18.15			
5	16QAM	25	0	18.15	18.25	18.08		20	0
5	16QAM	25	0	18.12	18.13	18.18			
5	64QAM	1	12	18.20	18.06	18.15	20	0	
5	64QAM	1	24	18.21	18.24	18.16			
5	64QAM	12	0	18.20	18.26	18.15		20	0
5	64QAM	12	7	18.15	18.08	18.09			
5	64QAM	12	13	18.00	18.08	18.11		20	0
5	64QAM	25	0	18.22	18.11	18.06			
5	256QAM	1	0	18.14	18.18	18.15	20	0	
5	256QAM	1	12	18.11	18.20	18.07			
5	256QAM	1	24	18.22	18.26	18.20		20	0
5	256QAM	12	0	18.02	18.13	18.13			
5	256QAM	12	7	18.14	18.10	18.05		20	0
5	256QAM	12	13	18.28	18.22	18.15			
5	256QAM	25	0	18.25	18.11	18.28			

Band 48 Ant9 DS4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Time-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				50340	50830	50166			
				3660	3800	3660			
20	QPSK	1	0	19.70	19.82	19.78	19.63	21	0
20	QPSK	1	49	19.74	19.79	19.57	19.60		
20	QPSK	1	89	19.82	19.71	19.76	19.76	20	1
20	QPSK	50	24	18.77	18.84	18.74	18.65		
20	QPSK	100	0	18.84	18.85	18.80	18.78	19	2
20	QPSK	50	24	18.84	18.87	18.80	18.83		
20	HQAM	1	49	18.95	18.88	18.93	18.87	20	1
20	HQAM	50	24	19.03	18.95	18.95	18.98		
20	HQAM	100	0	17.77	17.78	17.73	17.63	19	2
20	HQAM	50	24	17.79	17.80	17.83	17.82		
20	HQAM	100	0	17.85	17.80	17.80	17.81	19	2
20	HQAM	1	49	17.89	17.83	17.87	17.88		
20	HQAM	50	24	18.99	18.91	17.94	18.97	18	3
20	HQAM	100	0	17.97	17.91	17.91	17.78		
20	HQAM	1	49	17.63	17.63	17.73	17.62	19	2
20	HQAM	50	24	17.55	17.56	17.52	17.54		
20	HQAM	100	0	14.70	14.84	14.84	14.79	18	5
20	HQAM	1	49	14.62	14.79	14.68	14.78		
20	HQAM	50	24	14.68	14.83	14.84	14.83	18	5
20	HQAM	100	0	13.01	14.08	14.92	14.95		
20	HQAM	1	49	14.86	14.76	14.76	14.80	18	5
20	HQAM	50	24	14.80	14.75	14.75	14.80		
20	HQAM	100	0	14.67	14.83	14.78	14.83	18	5
20	HQAM	1	49	14.67	14.83	14.78	14.83		
Channel									
Frequency (MHz)				3662.5	3800.5	3662.5			
				3662.5	3800.5	3662.5			
10	QPSK	1	0	19.60	19.70	19.71	19.61	21	0
10	QPSK	1	49	19.67	19.67	19.51	19.57		
10	QPSK	1	14	19.50	19.63	19.67	19.74	20	1
10	QPSK	50	24	18.79	18.79	18.79	18.79		
10	QPSK	36	20	19.01	19.82	19.80	19.82	20	1
10	QPSK	36	20	19.06	18.83	18.85	18.88		
10	HQAM	1	49	18.83	18.80	18.83	18.83	20	1
10	HQAM	1	89	18.78	18.83	18.75	18.85		
10	HQAM	1	74	18.90	18.86	18.93	18.84	20	1
10	HQAM	36	20	17.69	17.63	17.72	17.68		
10	HQAM	36	20	17.66	17.74	17.72	17.73	19	2
10	HQAM	36	20	17.68	17.73	17.78	17.77		
10	HQAM	36	20	17.81	17.74	17.77	17.81	19	2
10	HQAM	36	20	17.74	17.82	17.79	17.78		
10	HQAM	1	49	17.77	17.73	17.78	17.78	19	2
10	HQAM	1	74	17.72	17.73	17.78	17.77		
10	HQAM	36	20	18.88	18.83	18.90	18.88	18	5
10	HQAM	36	20	17.63	16.90	16.94	17.67		
10	HQAM	36	20	16.96	16.88	16.92	16.88	18	5
10	HQAM	36	20	17.15	16.96	16.97	17.10		
10	HQAM	36	20	16.98	16.83	16.90	16.90	18	5
10	HQAM	36	20	14.74	14.58	14.57	14.65		
10	HQAM	1	74	14.68	14.77	14.69	14.81	18	5
10	HQAM	36	20	14.63	14.76	14.76	14.68		
10	HQAM	36	20	14.76	14.70	14.69	14.80	18	5
10	HQAM	36	20	14.78	14.75	14.75	14.78		
10	HQAM	36	20	14.68	14.71	14.65	14.67	18	5
10	HQAM	36	20	14.68	14.71	14.65	14.67		
Channel									
Frequency (MHz)				50290	50416	50166			
				3660	3800	3660			
10	QPSK	1	0	19.50	19.78	19.69	19.52	21	0
10	QPSK	1	49	19.60	19.68	19.58	19.63		
10	QPSK	1	24	19.60	19.68	19.69	19.73	20	1
10	QPSK	25	12	19.60	19.68	19.69	19.73		
10	QPSK	25	12	19.60	19.68	19.69	19.73	20	1
10	QPSK	36	20	18.78	18.72	18.83	18.78		
10	QPSK	36	20	18.88	18.80	18.88	18.88	20	1
10	QPSK	36	20	18.88	18.80	18.89	18.90		
10	HQAM	1	49	18.77	18.78	18.79	18.83	20	1
10	HQAM	1	89	18.80	18.80	18.80	18.78		
10	HQAM	1	49	19.00	18.88	18.95	18.93	20	1
10	HQAM	1	74	17.57	17.68	17.72	17.78		
10	HQAM	1	24	17.70	17.73	17.72	17.78	19	2
10	HQAM	1	12	17.72	17.73	17.72	17.78		
10	HQAM	1	24	17.72	17.73	17.72	17.77	19	2
10	HQAM	50	0	17.70	17.75	17.69	17.68		
10	HQAM	1	49	17.76	17.67	17.72	17.68	19	2
10	HQAM	1	74	17.78	17.72	17.72	17.78		
10	HQAM	1	49	17.68	17.67	17.62	17.64	18	3
10	HQAM	25	12	16.99	16.81	16.81	16.86		
10	HQAM	25	12	16.99	16.81	16.81	16.86	18	3
10	HQAM	25	12	16.99	16.81	16.81	16.86		
10	HQAM	25	12	16.97	16.88	16.89	16.95	18	3
10	HQAM	25	12	17.00	16.92	16.95	16.98		
10	HQAM	1	49	14.69	14.83	14.72	14.78	18	5
10	HQAM	1	24	14.86	14.59	14.83	14.63		
10	HQAM	1	49	14.79	14.78	14.73	14.78	18	5
10	HQAM	1	24	14.87	14.83	14.83	14.85		
10	HQAM	25	0	14.79	14.74	14.72	14.78	18	5
10	HQAM	25	0	14.82	14.74	14.76	14.82		
10	HQAM	25	0	14.82	14.74	14.76	14.82	18	5
10	HQAM	25	0	14.80	14.72	14.70	14.76		
Channel									
Frequency (MHz)				3662.5	3800.5	3662.5			
				3662.5	3800.5	3662.5			
10	QPSK	1	0	19.66	19.76	19.71	19.67	21	0
10	QPSK	1	49	19.69	19.68	19.59	19.65		
10	QPSK	1	24	19.60	19.68	19.69	19.73	20	1
10	QPSK	25	12	19.60	19.68	19.69	19.73		
10	QPSK	12	7	18.99	18.80	18.81	18.81	20	1
10	QPSK	12	13	19.07	18.85	18.88	18.88		
10	QPSK	12	13	18.95	18.85	18.85	18.88	20	1
10	HQAM	1	49	18.78	18.79	18.79	18.84		
10	HQAM	1	89	18.77	18.80	18.78	18.83	20	1
10	HQAM	1	24	18.96	18.83	19.00	18.85		
10	HQAM	12	0	17.69	17.69	17.75	17.79	19	2
10	HQAM	12	0	17.65	17.72	17.72	17.78		
10	HQAM	12	13	17.74	17.72	17.79	17.81	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78	19	2
10	HQAM	12	13	17.72	17.73	17.77	17.78		
10	HQAM	12	13	17.72	17.73	17.77	17.78		

Band 42 Ant10 DS14 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPE (dB)	
Channel				42100	42500	42600			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.38	24.47	24.18	20.7	0	
20	QPSK	1	40	24.22	24.41	24.39			
20	QPSK	1	80	24.37	24.38	24.39			
20	QPSK	50	0	23.55	23.57	23.58	24.7	1	
20	QPSK	50	24	23.37	23.54	23.45			
20	QPSK	50	48	23.58	23.50	23.51			
20	QPSK	100	0	23.33	23.51	23.47	24.7	1	
20	16QAM	1	0	23.63	23.60	23.58			
20	16QAM	1	40	23.58	23.56	23.71			
20	16QAM	1	80	23.56	23.53	23.64	23.7	2	
20	16QAM	50	0	22.89	22.87	22.71			
20	16QAM	50	24	22.48	22.53	22.51			
20	16QAM	50	0	22.72	22.60	22.61	23.7	2	
20	16QAM	100	0	22.62	22.55	22.68			
20	8QAM	1	0	22.40	22.32	22.37	22.7	3	
20	8QAM	1	40	22.40	22.35	22.46			
20	8QAM	1	80	22.51	22.42	22.40			
20	8QAM	50	0	21.22	21.65	21.74	20.7	5	
20	8QAM	50	24	21.55	21.61	21.75			
20	8QAM	50	50	21.47	21.50	21.48			
20	256QAM	1	0	19.43	19.38	19.25	20.7	5	
20	256QAM	1	40	19.26	19.48	19.38			
20	256QAM	1	80	19.37	19.34	19.30			
20	256QAM	50	0	19.54	19.57	19.57	20.7	5	
20	256QAM	50	24	19.37	19.52	19.40			
20	256QAM	50	50	19.51	19.43	19.43			
20	256QAM	100	0	19.41	19.48	19.58			
Channel				42100	42500	42600	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.31	24.41	24.30	20.7	0	
15	QPSK	1	37	24.15	24.35	24.30			
15	QPSK	1	74	24.23	24.28	24.24			
15	QPSK	36	0	23.57	23.48	23.51	24.7	1	
15	QPSK	36	20	23.37	23.48	23.62			
15	QPSK	36	36	23.53	23.40	23.58			
15	QPSK	75	0	23.59	23.40	23.41	24.7	1	
15	16QAM	1	0	23.48	23.48	23.55			
15	16QAM	1	37	23.53	23.41	23.58			
15	16QAM	1	74	23.45	23.49	23.60	23.7	2	
15	16QAM	36	0	22.60	22.44	22.65			
15	16QAM	36	20	22.43	22.48	22.39			
15	16QAM	36	36	22.58	22.40	22.58	23.7	2	
15	16QAM	75	0	22.56	22.40	22.57			
15	8QAM	1	0	23.37	22.55	22.54			
15	8QAM	1	37	22.32	22.21	22.31	22.7	3	
15	8QAM	1	74	22.48	22.30	22.26			
15	8QAM	36	0	21.43	21.48	21.65			
15	8QAM	36	20	21.52	21.50	21.67	20.7	5	
15	8QAM	36	36	21.35	21.37	21.39			
15	8QAM	75	0	21.44	21.51	21.62			
15	256QAM	1	0	19.22	19.22	19.12	20.7	5	
15	256QAM	1	37	19.25	19.43	19.14			
15	256QAM	1	74	19.28	19.38	19.12			
15	256QAM	36	0	19.45	19.46	19.46	20.7	5	
15	256QAM	36	20	19.35	19.35	19.38			
15	256QAM	36	36	19.40	19.24	19.41			
15	256QAM	75	0	19.27	19.40	19.60			
Channel				42100	42500	42600	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
10	QPSK	1	0	24.38	24.37	24.13	20.7	0	
10	QPSK	1	25	24.18	24.38	24.35			
10	QPSK	1	40	24.27	24.28	24.25			
10	QPSK	25	0	23.43	23.47	23.42	24.7	1	
10	QPSK	25	12	23.52	23.40	23.60			
10	QPSK	25	24	23.51	23.48	23.53			
10	QPSK	50	0	23.59	23.38	23.32	24.7	1	
10	16QAM	1	0	23.57	23.50	23.54			
10	16QAM	1	25	23.44	23.44	23.63			
10	16QAM	1	40	23.42	23.49	23.56	23.7	2	
10	16QAM	25	0	22.84	22.83	22.80			
10	16QAM	25	12	22.38	22.40	22.42			
10	16QAM	50	0	22.68	22.52	22.57	23.7	2	
10	16QAM	50	0	22.53	22.45	22.50			
10	8QAM	1	0	22.32	22.17	22.33			
10	8QAM	1	25	22.35	22.31	22.41	22.7	3	
10	8QAM	1	40	22.40	22.32	22.26			
10	8QAM	25	0	21.48	21.51	21.63			
10	8QAM	25	12	21.54	21.48	21.72	20.7	5	
10	8QAM	25	25	21.40	21.43	21.39			
10	8QAM	50	0	21.48	21.51	21.67			
10	256QAM	1	0	19.35	19.30	19.10	20.7	5	
10	256QAM	1	25	19.13	19.30	19.14			
10	256QAM	1	40	19.23	19.33	19.20			
10	256QAM	25	0	19.48	19.53	19.37	20.7	5	
10	256QAM	25	12	19.25	19.48	19.38			
10	256QAM	25	25	19.38	19.38	19.34			
10	256QAM	50	0	19.19	19.47	19.59			
Channel				3457.5	3500	3542.5	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
5	QPSK	1	0	24.23	24.43	24.06	20.7	0	
5	QPSK	1	15	24.08	24.28	24.21			
5	QPSK	1	24	24.24	24.29	24.31			
5	QPSK	12	0	23.54	23.44	23.54	24.7	1	
5	QPSK	12	13	23.45	23.53	23.47			
5	QPSK	25	0	23.50	23.40	23.34			
5	16QAM	1	0	23.59	23.52	23.66	24.7	1	
5	16QAM	1	12	23.44	23.49	23.59			
5	16QAM	1	24	23.46	23.49	23.54			
5	16QAM	12	0	22.59	22.45	22.63	23.7	2	
5	16QAM	12	7	22.38	22.40	22.41			
5	16QAM	12	13	22.61	22.63	22.46			
5	16QAM	25	0	22.51	22.59	22.62	23.7	2	
5	8QAM	1	0	22.30	22.23	22.28			
5	8QAM	1	12	22.33	22.31	22.34			
5	8QAM	1	24	22.48	22.32	22.27	22.7	3	
5	8QAM	12	0	21.52	21.57	21.69			
5	8QAM	12	7	21.52	21.60	21.65			
5	8QAM	12	13	21.35	21.59	21.38	20.7	5	
5	8QAM	25	0	21.54	21.51	21.68			
5	256QAM	1	0	19.32	19.29	19.16			
5	256QAM	1	15	19.07	19.41	19.06	20.7	5	
5	256QAM	1	24	19.31	19.26	19.19			
5	256QAM	12	0	19.44	19.59	19.25			
5	256QAM	12	7	19.32	19.48	19.41	20.7	5	
5	256QAM	12	13	19.50	19.24	19.25			
5	256QAM	25	0	19.30	19.47	19.53			

Band 48 Ant10 DS14 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPE (dB)
Channel				50340	50800	50160	50660		
Frequency (MHz)				3460	3500	3540	3580		
20	QPSK	1	0	23.78	24.04	23.88	23.83	25.7	0
20	QPSK	1	40	23.86	23.96	23.83	23.89		
20	QPSK	1	80	23.88	24.03	23.85	24.02		
20	QPSK	50	0	22.99	23.05	22.90	22.85	24.7	1
20	QPSK	50	24	23.00	22.84	23.00	22.84		
20	QPSK	50	48	22.99	22.83	23.01	22.83		
20	QPSK	100	0	22.06	22.04	22.36	22.07	24.7	1
20	16QAM	1	0	22.82	22.92	22.80	22.80		
20	16QAM	1	40	22.88	23.01	22.91	22.91		
20	16QAM	1	80	22.74	22.86	22.76	22.76	23.7	2
20	16QAM	50	0	21.69	21.69	21.69	21.69		
20	16QAM	50	24	21.84	21.98	21.87	21.90		
20	16QAM	50	50	22.09	22.08	22.07	22.08	23.7	2
20	16QAM	50	75	22.04	22.05	22.02	22.06		
20	64QAM	1	0	21.75	21.84	21.88	21.84		
20	64QAM	1	40	21.89	21.95	21.77	21.78	23.7	2
20	64QAM	1	80	21.93	21.93	21.81	21.81		
20	64QAM	50	0	21.61	20.99	21.03	20.89		
20	64QAM	50	24	21.61	21.00	21.04	20.89	22.7	3
20	64QAM	50	50	20.84	21.61	21.63	21.63		
20	64QAM	100	0	21.94	21.07	21.10	20.86		
20	256QAM	1	0	18.87	18.84	18.84	18.84	20.7	5
20	256QAM	1	40	18.86	18.86	18.85	18.85		
20	256QAM	1	80	18.93	18.87	18.90	18.88		
20	256QAM	50	0	18.99	18.87	18.92	19.03	20.7	5
20	256QAM	50	24	18.99	18.93	18.93	19.01		
20	256QAM	100	0	18.91	18.20	18.90	18.98		
Channel				3657.5	3690	3642	3692.5	Time-up limit (dBm)	MPE (dB)
Frequency (MHz)				3657.5	3690	3642	3692.5		
20	QPSK	1	0	23.86	23.95	23.73	23.78	25.7	0
20	QPSK	1	24	23.75	23.84	23.84	23.84		
20	QPSK	1	74	23.86	23.95	23.81	23.93		
20	QPSK	50	0	22.86	22.87	22.80	22.76	24.7	1
20	QPSK	50	24	22.91	22.84	22.94	22.84		
20	QPSK	50	50	23.83	22.85	22.99	22.82		
20	16QAM	1	0	22.81	22.99	22.80	22.80	24.7	1
20	16QAM	1	40	22.82	22.90	22.74	22.82		
20	16QAM	1	80	22.73	22.82	22.68	22.80		
20	16QAM	50	0	21.78	21.87	21.79	21.82	23.7	2
20	16QAM	50	24	21.78	21.87	21.79	21.82		
20	16QAM	50	50	21.08	21.99	22.02	21.90		
20	16QAM	75	0	21.97	22.01	22.07	21.82	23.7	2
20	64QAM	1	0	21.76	21.78	21.76	21.76		
20	64QAM	1	24	21.75	21.78	21.72	21.70		
20	64QAM	1	74	21.76	21.86	21.77	21.76	22.7	3
20	64QAM	50	0	20.93	21.00	20.98	20.88		
20	64QAM	50	24	20.95	20.88	20.98	20.88		
20	64QAM	50	50	20.90	21.00	21.01	20.90	20.7	5
20	256QAM	1	0	18.88	18.85	18.86	18.84		
20	256QAM	1	40	18.84	18.81	18.81	18.87		
20	256QAM	1	80	18.85	18.81	18.86	18.82	20.7	5
20	256QAM	50	0	18.92	18.82	18.90	18.92		
20	256QAM	50	24	19.10	18.78	18.95	18.97		
20	256QAM	50	50	18.86	18.75	18.87	18.86	20.7	5
20	256QAM	50	75	18.77	18.96	18.83	18.83		
20	256QAM	100	0	16.77	16.86	16.86	16.86		
Channel				3652.5	3648.5	3668.5	3669.5	Time-up limit (dBm)	MPE (dB)
Frequency (MHz)				3652.5	3648.5	3668.5	3669.5		
20	QPSK	1	0	23.55	23.55	23.71	23.70	25.7	0
20	QPSK	1	24	23.78	23.86	23.79	23.83		
20	QPSK	1	74	23.81	23.93	23.71	23.83		
20	QPSK	50	0	22.91	22.90	22.77	22.78	24.7	1
20	QPSK	50	24	22.94	23.00	22.96	22.82		
20	QPSK	50	50	22.92	22.86	22.98	22.86		
20	QPSK	100	0	22.87	22.92	22.87	22.82	24.7	1
20	16QAM	1	0	22.79	22.88	22.80	22.80		
20	16QAM	1	24	22.75	22.95	22.84	22.70		
20	16QAM	1	40	22.79	22.81	22.72	22.80	23.7	2
20	16QAM	1	80	21.78	21.79	21.78	21.80		
20	16QAM	50	0	21.75	21.90	21.84	21.80		
20	16QAM	50	24	22.02	21.97	21.97	21.84	23.7	2
20	16QAM	50	50	21.85	21.92	21.98	21.84		
20	64QAM	1	0	21.84	21.72	21.73	21.73		
20	64QAM	1	24	21.83	21.85	21.80	21.80	23.7	2
20	64QAM	1	40	21.73	21.80	21.77	21.70		
20	64QAM	50	0	20.98	20.87	20.99	20.79		
20	64QAM	50	24	20.93	20.98	20.98	20.90	22.7	3
20	64QAM	50	50	20.91	20.89	20.93	20.82		
20	64QAM	100	0	21.05	21.03	21.03	20.94		
20	256QAM	1	0	18.86	18.81	18.76	18.75	20.7	5
20	256QAM	1	24	18.79	18.86	18.75	19.04		
20	256QAM	1	40	18.81	18.85	18.86	18.80		
20	256QAM	50	0	18.82	18.80	18.94	18.83	20.7	5
20	256QAM	50	24	18.95	18.74	18.90	18.90		
20	256QAM	50	50	18.91	18.74	18.90	18.70		
20	256QAM	50	75	18.88	18.75	18.90	18.70	20.7	5
20	256QAM	50	100	18.87	18.82	18.82	18.82		
20	256QAM	100	0	18.81	18.07	18.90	18.83		
Channel				3652.5	3607	3643	3697.5	Time-up limit (dBm)	MPE (dB)
Frequency (MHz)				3652.5	3607	3643	3697.5		
20	QPSK	1	0	23.75	23.99	23.76	23.75	25.7	0
20	QPSK	1	24	23.84	23.84	23.84	23.86		
20	QPSK	1	74	23.89	23.88	23.90	23.90		
20	QPSK	50	0	22.88	22.88	22.76	22.76	24.7	1
20	QPSK	50	24	22.85	22.97	22.90	22.84		
20	QPSK	50	50	22.90	22.88	22.88	22.84		
20	16QAM	1	0	22.83	22.79	22.94	22.80	24.7	1
20	16QAM	1	40	22.92	22.92	22.70	22.84		
20	16QAM	1	80	22.70	22.92	22.70	22.84		
20	16QAM	50	0	21.75	21.80	21.73	21.80	23.7	2
20	16QAM	50	24	21.86	21.96	21.78	21.80		
20	16QAM	50	50	21.98	22.00	22.00	21.93		
20	64QAM	1	0	21.88	21.95	22.03	21.85	23.7	2
20	64QAM	1	24	21.79	21.86	21.86	21.83		
20	64QAM	1	74	21.82	21.82	21.76	21.81		
20	64QAM	50	0	20.87	20.90	20.90	20.84	22.7	3
20	64QAM	50	24	20.97	20.98	20.93	20.91		
20	64QAM	50	50	20.95	20.98	20.97	20.83		
20	256QAM	1	0	18.80	18.80	18.80	18.80	20.7	5
20	256QAM	1	12	18.80	18.83	18.81	18.84		
20	256QAM	1	24	18.83	18.80	18.83	19.06		
20	256QAM	50	0	18.92	18.82	18.94	18.81	20.7	5
20	256QAM	50	24	18.96	18.81	18.83	18.83		
20	256QAM	50	50	18.97	18.82	18.90	18.80		
20	256QAM	50	75	18.91	18.87	18.90	18.83	20.7	5
20	256QAM	50	100	18.89	18.82	18.85	18.80		
20	256QAM	100	0	18.81	18.07	18.90	18.83		

Band 42 Ant11 DS14 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)			
Channel				42160	42580	42660					
Frequency (MHz)				3466	3500	3546					
20	QPSK	1	0	21.68	21.72	21.81	23.5	0			
20	QPSK	1	49	21.64	21.68	21.67					
20	QPSK	1	99	21.60	21.69	21.63					
20	QPSK	35	0	20.72	20.79	20.68	22.5	1			
20	QPSK	35	34	20.67	20.69	20.68					
20	QPSK	35	69	20.74	20.68	20.70					
20	16QAM	1	0	20.64	20.63	20.65	22.5	1			
20	16QAM	1	49	20.71	20.69	20.64					
20	16QAM	1	99	20.61	20.68	20.70					
20	16QAM	35	0	19.76	19.86	19.75	21.5	2			
20	16QAM	35	34	19.79	19.75	19.81					
20	16QAM	100	0	19.74	19.82	19.76					
20	16QAM	100	0	19.71	19.72	19.72	21.5	2			
20	16QAM	1	0	19.65	19.65	19.67					
20	16QAM	1	49	19.70	19.67	19.66					
20	16QAM	1	99	19.74	19.68	19.61	20.5	3			
20	16QAM	35	0	18.74	18.81	18.74					
20	16QAM	35	50	18.90	18.79	18.78					
20	16QAM	100	0	18.71	18.82	18.85	19.5	5			
20	256QAM	1	0	18.78	18.81	18.67					
20	256QAM	1	49	18.69	18.74	18.68					
20	256QAM	1	99	18.59	18.69	18.79	18.5	5			
20	256QAM	35	0	18.79	18.78	18.77					
20	256QAM	35	34	18.67	18.69	18.69					
20	256QAM	50	0	18.61	18.67	18.61	18.5	5			
20	256QAM	50	30	18.61	18.67	18.61					
20	256QAM	100	0	18.63	18.65	18.75					
Channel				42160	42580	42660					
Frequency (MHz)				3467.5	3500.5	3542.5					
15	QPSK	1	0	21.54	21.68	21.54	23.5	0			
15	QPSK	1	37	21.61	21.69	21.58					
15	QPSK	1	74	21.63	21.67	21.64					
15	QPSK	36	0	20.68	20.69	20.68	22.5	1			
15	QPSK	36	20	20.62	20.63	20.67					
15	QPSK	36	39	20.58	20.59	20.67					
15	QPSK	75	0	20.58	20.63	20.59	22.5	1			
15	16QAM	1	0	20.70	20.74	20.59					
15	16QAM	1	37	20.73	20.69	20.59					
15	16QAM	36	0	19.62	19.73	19.71	21.5	2			
15	16QAM	36	39	19.70	19.65	19.79					
15	16QAM	36	39	19.69	19.64	19.65					
15	16QAM	75	0	19.63	19.59	19.58	21.5	2			
15	16QAM	1	1	19.64	19.74	19.62					
15	16QAM	1	37	19.55	19.62	19.57					
15	16QAM	1	74	19.61	19.65	19.61	20.5	3			
15	16QAM	36	0	18.67	18.61	18.60					
15	16QAM	36	39	18.70	18.67	18.59					
15	16QAM	36	39	18.69	18.67	18.74	18.5	5			
15	16QAM	75	0	18.53	18.64	18.58					
15	256QAM	1	37	18.71	18.69	18.55					
15	256QAM	1	74	18.54	18.58	18.58	18.5	5			
15	256QAM	36	0	18.61	18.72	18.61					
15	256QAM	36	39	18.79	18.55	18.64					
15	256QAM	36	39	18.68	18.70	18.65	18.5	5			
15	256QAM	75	0	18.62	18.60	18.61					
15	256QAM	75	0	18.62	18.60	18.61					
Channel				42160	42580	42660					
Frequency (MHz)				3470	3500	3542.5					
10	QPSK	1	0	21.62	21.65	21.64	23.5	0			
10	QPSK	1	25	21.59	21.65	21.58					
10	QPSK	1	50	21.60	21.58	21.58					
10	QPSK	25	0	20.64	20.72	20.67	22.5	1			
10	QPSK	25	12	20.51	20.59	20.70					
10	QPSK	25	37	20.53	20.55	20.59					
10	QPSK	50	0	20.62	20.75	20.59	22.5	1			
10	16QAM	1	0	20.65	20.74	20.63					
10	16QAM	1	25	20.62	20.71	20.60					
10	16QAM	1	49	20.62	20.69	20.63	21.5	2			
10	16QAM	25	0	19.67	19.66	19.69					
10	16QAM	25	12	19.69	19.60	19.61					
10	16QAM	50	0	19.63	19.68	19.75	21.5	2			
10	16QAM	1	0	19.78	19.79	19.62					
10	16QAM	1	36	19.67	19.68	19.59					
10	16QAM	1	49	19.65	19.59	19.74	20.5	3			
10	16QAM	25	0	18.61	18.68	18.64					
10	16QAM	25	12	18.64	18.62	18.71					
10	16QAM	50	0	18.59	18.62	18.65	18.5	5			
10	256QAM	1	0	18.75	18.60	18.52					
10	256QAM	1	25	18.56	18.64	18.58					
10	256QAM	1	49	18.59	18.55	18.77	18.5	5			
10	256QAM	25	0	18.74	18.61	18.64					
10	256QAM	25	12	18.63	18.58	18.75					
10	256QAM	25	25	18.70	18.76	18.60	18.5	5			
10	256QAM	50	0	18.61	18.75	18.67					
10	256QAM	50	0	18.61	18.75	18.67					
Channel				3470.5	3500	3542.5					
Frequency (MHz)				3470.5	3500	3542.5					
5	QPSK	1	0	21.65	21.63	21.61	23.5	0			
5	QPSK	1	12	21.60	21.61	21.55					
5	QPSK	1	24	21.54	21.61	21.52					
5	QPSK	12	0	20.67	20.77	20.64	22.5	1			
5	QPSK	12	7	20.55	20.62	20.50					
5	QPSK	12	13	20.59	20.58	20.64					
5	QPSK	25	0	20.67	20.63	20.60	22.5	1			
5	16QAM	1	0	20.62	20.68	20.66					
5	16QAM	1	12	20.53	20.60	20.64					
5	16QAM	1	24	20.73	20.66	20.69	21.5	2			
5	16QAM	12	0	19.60	19.63	19.58					
5	16QAM	12	7	19.78	19.71	19.61					
5	16QAM	12	13	19.60	19.76	19.75	21.5	2			
5	16QAM	25	0	19.60	19.62	19.67					
5	16QAM	1	0	19.74	19.78	19.66					
5	16QAM	1	12	19.71	19.62	19.59	20.5	3			
5	16QAM	1	24	19.64	19.61	19.60					
5	16QAM	12	0	18.62	18.75	18.67					
5	16QAM	12	7	18.94	18.68	18.58	18.5	5			
5	16QAM	12	13	18.78	18.61	18.67					
5	16QAM	25	0	18.59	18.79	18.61					
5	256QAM	1	0	18.73	18.69	18.63	18.5	5			
5	256QAM	1	12	18.59	18.75	18.63					
5	256QAM	1	24	18.59	18.58	18.58					
5	256QAM	12	0	18.67	18.67	18.75	18.5	5			
5	256QAM	12	7	18.65	18.58	18.60					
5	256QAM	12	13	18.62	18.69	18.79					
5	256QAM	25	0	18.61	18.77	18.67					

Band 48 Ant11 DS14 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power/ Ch / Freq	Power/ Ch / Freq	Power/ Ch / Freq	Power/ Ch / Freq	Time-up limit (dBm)	MPR (dB)
Channel				50340	50800	50916	56600		
Frequency (MHz)				3502.5	3608	3642	3697.5		
20	QPSK	1	0	21.70	21.79	21.78	21.62	23.5	0
20	QPSK	1	49	21.68	21.60	21.65	21.64		
20	QPSK	1	99	21.70	21.77	21.71	21.70		
20	QPSK	50	0	20.99	20.83	20.70	20.63		
20	QPSK	1	24	20.76	20.87	20.88	20.76	22.5	1
20	QPSK	1	74	20.79	20.77	20.77	20.79		
20	QPSK	100	0	20.74	20.70	20.69	20.68		
20	QPSK	100	24	20.69	20.67	20.67	20.69		
20	QPSK	1	49	20.74	20.69	20.79	20.71	22.5	1
20	16QAM	1	49	20.74	20.69	20.79	20.71		
20	16QAM	1	99	20.73	20.78	20.51	20.72		
20	16QAM	1	149	20.73	20.83	20.72	20.68		
20	16QAM	50	24	19.92	19.75	19.89	19.81	21.5	2
20	16QAM	50	74	19.92	19.75	19.89	19.81		
20	16QAM	100	0	19.95	19.75	19.71	19.67		
20	16QAM	100	49	19.95	19.83	19.84	19.80		
20	16QAM	1	99	19.95	19.75	19.83	19.75	21.5	2
20	16QAM	1	149	19.95	19.75	19.83	19.75		
20	16QAM	50	0	19.87	19.83	19.80	19.85		
20	16QAM	50	49	19.85	19.78	19.78	19.80		
20	16QAM	100	0	19.82	19.85	19.88	19.80	20.5	3
20	16QAM	100	49	19.82	19.85	19.88	19.80		
20	256QAM	1	99	18.79	18.79	18.79	18.79		
20	256QAM	1	0	18.80	18.77	18.88	18.69		
20	256QAM	1	49	18.83	18.80	18.88	18.80	18.5	5
20	256QAM	1	99	18.82	18.80	18.88	18.80		
20	256QAM	50	0	18.69	18.69	18.88	18.62		
20	256QAM	50	49	18.67	18.69	18.88	18.62		
20	256QAM	100	0	18.72	18.68	18.77	18.69	18.5	5
20	256QAM	100	49	18.63	18.77	18.77	18.69		
20	256QAM	100	99	18.63	18.77	18.67	18.70		
20	256QAM	100	149	18.61	18.79	18.70	18.75		
Channel				50340	50800	50916	56600		
Frequency (MHz)				3502.5	3608	3642	3697.5		
20	QPSK	1	0	21.67	21.67	21.69	21.64	23.5	0
20	QPSK	1	49	21.65	21.68	21.64	21.67		
20	QPSK	1	99	21.67	21.62	21.57	21.59		
20	QPSK	50	0	20.94	20.84	20.82	20.79		
20	QPSK	1	24	20.69	20.83	20.50	20.69	22.5	1
20	QPSK	1	74	20.75	20.62	20.74	20.74		
20	QPSK	100	0	20.63	20.71	20.72	20.64		
20	QPSK	100	49	20.67	20.85	20.75	20.67		
20	16QAM	1	49	20.67	20.85	20.75	20.67	20.5	1
20	16QAM	1	99	20.67	20.85	20.75	20.67		
20	16QAM	1	149	20.68	20.83	20.86	20.67		
20	16QAM	50	0	19.92	19.84	19.79	19.61		
20	16QAM	50	49	19.76	19.82	19.88	19.68	21.5	2
20	16QAM	100	0	19.73	19.78	19.87	19.58		
20	16QAM	100	49	19.73	19.88	19.59	19.63		
20	16QAM	100	99	19.67	19.80	19.83	19.63		
20	16QAM	1	24	19.62	19.54	19.63	19.68	21.5	2
20	16QAM	1	74	19.64	19.63	19.63	19.71		
20	16QAM	100	0	19.55	19.63	19.69	19.62		
20	16QAM	100	49	19.57	19.65	19.78	19.68		
20	16QAM	50	0	18.75	18.65	18.78	18.68	20.5	3
20	16QAM	50	49	18.60	18.76	18.88	18.61		
20	16QAM	100	0	18.67	18.60	18.68	18.71		
20	16QAM	100	49	18.60	18.65	18.62	18.65		
20	256QAM	1	99	18.55	18.65	18.62	18.55	18.5	5
20	256QAM	1	0	18.59	18.64	18.68	18.67		
20	256QAM	1	49	18.59	18.64	18.68	18.67		
20	256QAM	50	0	18.59	18.58	18.75	18.62		
20	256QAM	50	49	18.59	18.58	18.75	18.62	18.5	5
20	256QAM	100	0	18.70	18.72	18.67	18.67		
20	256QAM	100	49	18.63	18.65	18.65	18.70		
20	256QAM	100	99	18.64	18.68	18.68	18.67		
Channel				50340	50800	50916	56600		
Frequency (MHz)				3502.5	3608	3642	3697.5		
20	QPSK	1	0	21.71	21.77	21.78	21.51	23.5	0
20	QPSK	1	49	21.68	21.69	21.50	21.67		
20	QPSK	1	99	21.71	21.75	21.71	21.63		
20	QPSK	20	0	20.96	20.85	20.80	20.59		
20	QPSK	20	12	20.65	20.84	20.63	20.70	22.5	1
20	QPSK	20	24	20.69	20.84	20.63	20.70		
20	QPSK	50	0	20.60	20.67	20.50	20.69		
20	QPSK	50	24	20.65	20.62	20.52	20.71		
20	16QAM	1	24	20.72	20.64	20.65	20.50	22.5	1
20	16QAM	1	49	20.60	20.60	20.65	20.57		
20	16QAM	1	99	20.69	20.78	20.79	20.64		
20	16QAM	1	149	20.69	20.78	20.79	20.64		
20	16QAM	20	12	19.93	19.55	19.59	19.81	21.5	2
20	16QAM	20	24	19.98	19.58	19.59	19.84		
20	16QAM	50	0	19.72	19.55	19.72	19.60		
20	16QAM	50	49	19.60	19.65	19.74	19.67		
20	16QAM	1	99	19.67	19.72	19.79	19.63	21.5	2
20	16QAM	1	149	19.60	19.72	19.77	19.61		
20	16QAM	20	12	19.58	19.72	19.79	19.63		
20	16QAM	20	24	19.58	19.74	19.82	19.67		
20	16QAM	20	49	19.58	19.74	19.82	19.67	20.5	3
20	16QAM	50	0	18.80	18.74	18.82	18.67		
20	16QAM	50	49	18.71	18.68	18.68	18.67		
20	16QAM	100	0	18.67	18.63	18.76	18.60		
20	256QAM	1	99	18.62	18.60	18.62	18.66	18.5	5
20	256QAM	1	0	18.67	18.67	18.67	18.69		
20	256QAM	1	49	18.67	18.79	18.56	18.67		
20	256QAM	20	12	18.64	18.67	18.62	18.71		
20	256QAM	20	24	18.74	18.62	18.70	18.70	18.5	5
20	256QAM	50	0	18.75	18.68	18.69	18.65		
20	256QAM	50	49	18.68	18.68	18.68	18.68		
20	256QAM	100	0	18.68	18.68	18.68	18.68		
Channel				50340	50800	50916	56600		
Frequency (MHz)				3502.5	3608	3642	3697.5		
20	QPSK	1	0	21.61	21.67	21.60	21.62	23.5	0
20	QPSK	1	49	21.62	21.67	21.64	21.62		
20	QPSK	1	99	21.62	21.67	21.72	21.69		
20	QPSK	12	0	20.56	20.78	20.52	20.59		
20	QPSK	12	7	20.64	20.67	20.68	20.77	22.5	1
20	QPSK	12	15	20.67	20.71	20.64	20.65		
20	QPSK	12	23	20.62	20.59	20.59	20.59		
20	QPSK	50	0	20.56	20.79	20.59	20.70		
20	16QAM	1	24	20.63	20.65	20.79	20.71	20.5	1
20	16QAM	1	49	20.63	20.65	20.79	20.71		
20	16QAM	12	0	19.60	19.64	19.67	19.59		
20	16QAM	12	7	19.63	19.64	19.64	19.65		
20	16QAM	12	13	19.64	19.62	19.77	19.62	21.5	2
20	16QAM	20	0	19.68	19.67	19.60	19.74		
20	16QAM	20	7	19.76	19.75	19.75	19.69		
20	16QAM	1	12	19.62	19.62	19.71	19.67		
20	16QAM	1	13	19.63	19.62	19.63	19.63	21.5	2
20	16QAM	12	6	19.69	19.63	19.70	19.66		
20	16QAM	12	7	19.76	19.68	19.63	19.63		
20	16QAM	1	18	19.64	19.60	19.60	19.72		
20	16QAM	1	49	18.69	18.68	19.59	18.78	20.5	3
20	16QAM	1	99	18.68	18.68	18.68	18.68		
20	256QAM	1	12	18.54	18.68	18.55	18.63		
20	256QAM	1	24	18.64	18.63	18.63	18.67		
20	256QAM	1	49	18.56	18.62	18.62	18.71	18.5	5
20	256QAM	12	7	18.65	18.62	18.59	18.67		
20	256QAM	12	13	18.72	18.67	18.60	18.60		
20	256QAM	12	15	18.61	18.67	18.60	18.60		

GSM850 Amd DSS Default							
Channel	Power Average Power (dBm)			Low-up	Power Average Power (dBm)		
TV Channel	Min	Max	BS	Limit	Min	Max	Limit
Frequency (MHz)	254.2	371.6	381.8	(dBm)	254.2	371.6	381.8
CDMA 1 Tx airt	32.19	32.19	32.08	33.50	23.19	23.19	24.90
GP850 1 Tx airt	32.35	32.29	32.32	33.50	23.35	23.29	24.90
GP850 2 Tx airt	23.13	23.07	23.00	33.50	23.13	23.07	24.90
GP850 3 Tx airt	27.63	27.23	27.15	28.50	23.37	22.97	24.24
EDGE 1 Tx airt	28.36	28.34	28.35	27.50	22.34	22.34	24.90
EDGE 1 Tx airt	26.33	26.17	26.12	27.50	17.33	17.17	18.50
EDGE 2 Tx airt	23.30	23.12	23.01	24.50	17.30	17.12	18.50
EDGE 3 Tx airt	23.37	23.12	23.04	22.50	17.31	17.48	18.24
EDGE 4 Tx airt	20.33	20.28	20.19	21.50	17.33	17.28	18.50

WCDMA V Amd DSS Default							
Band	WCDMA V			Time up			
TV Channel	41.92	41.92	42.03	Limit			
TV Channel	44.92	44.92	44.93	(dBm)			
Frequency (MHz)	45.94	45.94	46.06				
SCPP Rel 80	Rel 12.250ca	24.34	24.43	25.50			
SCPP Rel 81	HSPA Relat-1	23.32	24.01	25.50			
SCPP Rel 82	HSPA Relat-2	23.34	23.41	24.50			
SCPP Rel 83	HSPA Relat-3	23.36	23.44	24.50			
SCPP Rel 84	HSPA Relat-4	23.38	23.46	24.50			
SCPP Rel 85	HSPA Relat-5	23.40	23.48	24.50			
SCPP Rel 86	HSPA Relat-6	23.42	23.50	24.50			
SCPP Rel 87	HSPA Relat-7	23.44	23.52	24.50			
SCPP Rel 88	HSPA Relat-8	23.46	23.54	24.50			
SCPP Rel 89	HSPA Relat-9	23.48	23.56	24.50			
SCPP Rel 90	HSPA Relat-10	23.50	23.58	24.50			
SCPP Rel 91	HSPA Relat-11	23.52	23.60	24.50			
SCPP Rel 92	HSPA Relat-12	23.54	23.62	24.50			
SCPP Rel 93	HSPA Relat-13	23.56	23.64	24.50			
SCPP Rel 94	HSPA Relat-14	23.58	23.66	24.50			
SCPP Rel 95	HSPA Relat-15	23.60	23.68	24.50			
SCPP Rel 96	HSPA Relat-16	23.62	23.70	24.50			
SCPP Rel 97	HSPA Relat-17	23.64	23.72	24.50			
SCPP Rel 98	HSPA Relat-18	23.66	23.74	24.50			
SCPP Rel 99	HSPA Relat-19	23.68	23.76	24.50			
SCPP Rel 100	HSPA Relat-20	23.70	23.78	24.50			
SCPP Rel 101	HSPA Relat-21	23.72	23.80	24.50			
SCPP Rel 102	HSPA Relat-22	23.74	23.82	24.50			
SCPP Rel 103	HSPA Relat-23	23.76	23.84	24.50			
SCPP Rel 104	HSPA Relat-24	23.78	23.86	24.50			
SCPP Rel 105	HSPA Relat-25	23.80	23.88	24.50			
SCPP Rel 106	HSPA Relat-26	23.82	23.90	24.50			
SCPP Rel 107	HSPA Relat-27	23.84	23.92	24.50			
SCPP Rel 108	HSPA Relat-28	23.86	23.94	24.50			
SCPP Rel 109	HSPA Relat-29	23.88	23.96	24.50			
SCPP Rel 110	HSPA Relat-30	23.90	23.98	24.50			
SCPP Rel 111	HSPA Relat-31	23.92	24.00	24.50			
SCPP Rel 112	HSPA Relat-32	23.94	24.02	24.50			
SCPP Rel 113	HSPA Relat-33	23.96	24.04	24.50			
SCPP Rel 114	HSPA Relat-34	23.98	24.06	24.50			
SCPP Rel 115	HSPA Relat-35	24.00	24.08	24.50			
SCPP Rel 116	HSPA Relat-36	24.02	24.10	24.50			
SCPP Rel 117	HSPA Relat-37	24.04	24.12	24.50			
SCPP Rel 118	HSPA Relat-38	24.06	24.14	24.50			
SCPP Rel 119	HSPA Relat-39	24.08	24.16	24.50			
SCPP Rel 120	HSPA Relat-40	24.10	24.18	24.50			
SCPP Rel 121	HSPA Relat-41	24.12	24.20	24.50			
SCPP Rel 122	HSPA Relat-42	24.14	24.22	24.50			
SCPP Rel 123	HSPA Relat-43	24.16	24.24	24.50			
SCPP Rel 124	HSPA Relat-44	24.18	24.26	24.50			
SCPP Rel 125	HSPA Relat-45	24.20	24.28	24.50			
SCPP Rel 126	HSPA Relat-46	24.22	24.30	24.50			
SCPP Rel 127	HSPA Relat-47	24.24	24.32	24.50			
SCPP Rel 128	HSPA Relat-48	24.26	24.34	24.50			
SCPP Rel 129	HSPA Relat-49	24.28	24.36	24.50			
SCPP Rel 130	HSPA Relat-50	24.30	24.38	24.50			
SCPP Rel 131	HSPA Relat-51	24.32	24.40	24.50			
SCPP Rel 132	HSPA Relat-52	24.34	24.42	24.50			
SCPP Rel 133	HSPA Relat-53	24.36	24.44	24.50			
SCPP Rel 134	HSPA Relat-54	24.38	24.46	24.50			
SCPP Rel 135	HSPA Relat-55	24.40	24.48	24.50			
SCPP Rel 136	HSPA Relat-56	24.42	24.50	24.50			
SCPP Rel 137	HSPA Relat-57	24.44	24.52	24.50			
SCPP Rel 138	HSPA Relat-58	24.46	24.54	24.50			
SCPP Rel 139	HSPA Relat-59	24.48	24.56	24.50			
SCPP Rel 140	HSPA Relat-60	24.50	24.58	24.50			
SCPP Rel 141	HSPA Relat-61	24.52	24.60	24.50			
SCPP Rel 142	HSPA Relat-62	24.54	24.62	24.50			
SCPP Rel 143	HSPA Relat-63	24.56	24.64	24.50			
SCPP Rel 144	HSPA Relat-64	24.58	24.66	24.50			
SCPP Rel 145	HSPA Relat-65	24.60	24.68	24.50			
SCPP Rel 146	HSPA Relat-66	24.62	24.70	24.50			
SCPP Rel 147	HSPA Relat-67	24.64	24.72	24.50			
SCPP Rel 148	HSPA Relat-68	24.66	24.74	24.50			
SCPP Rel 149	HSPA Relat-69	24.68	24.76	24.50			
SCPP Rel 150	HSPA Relat-70	24.70	24.78	24.50			
SCPP Rel 151	HSPA Relat-71	24.72	24.80	24.50			
SCPP Rel 152	HSPA Relat-72	24.74	24.82	24.50			
SCPP Rel 153	HSPA Relat-73	24.76	24.84	24.50			
SCPP Rel 154	HSPA Relat-74	24.78	24.86	24.50			
SCPP Rel 155	HSPA Relat-75	24.80	24.88	24.50			
SCPP Rel 156	HSPA Relat-76	24.82	24.90	24.50			
SCPP Rel 157	HSPA Relat-77	24.84	24.92	24.50			
SCPP Rel 158	HSPA Relat-78	24.86	24.94	24.50			
SCPP Rel 159	HSPA Relat-79	24.88	24.96	24.50			
SCPP Rel 160	HSPA Relat-80	24.90	24.98	24.50			
SCPP Rel 161	HSPA Relat-81	24.92	25.00	24.50			
SCPP Rel 162	HSPA Relat-82	24.94	25.02	24.50			
SCPP Rel 163	HSPA Relat-83	24.96	25.04	24.50			
SCPP Rel 164	HSPA Relat-84	24.98	25.06	24.50			
SCPP Rel 165	HSPA Relat-85	25.00	25.08	24.50			
SCPP Rel 166	HSPA Relat-86	25.02	25.10	24.50			
SCPP Rel 167	HSPA Relat-87	25.04	25.12	24.50			
SCPP Rel 168	HSPA Relat-88	25.06	25.14	24.50			
SCPP Rel 169	HSPA Relat-89	25.08	25.16	24.50			
SCPP Rel 170	HSPA Relat-90	25.10	25.18	24.50			
SCPP Rel 171	HSPA Relat-91	25.12	25.20	24.50			
SCPP Rel 172	HSPA Relat-92	25.14	25.22	24.50			
SCPP Rel 173	HSPA Relat-93	25.16	25.24	24.50			
SCPP Rel 174	HSPA Relat-94	25.18	25.26	24.50			
SCPP Rel 175	HSPA Relat-95	25.20	25.28	24.50			
SCPP Rel 176	HSPA Relat-96	25.22	25.30	24.50			
SCPP Rel 177	HSPA Relat-97	25.24	25.32	24.50			
SCPP Rel 178	HSPA Relat-98	25.26	25.34	24.50			
SCPP Rel 179	HSPA Relat-99	25.28	25.36	24.50			
SCPP Rel 180	HSPA Relat-100	25.30	25.38	24.50			
SCPP Rel 181	HSPA Relat-101	25.32	25.40	24.50			
SCPP Rel 182	HSPA Relat-102	25.34	25.42	24.50			
SCPP Rel 183	HSPA Relat-103	25.36	25.44	24.50			
SCPP Rel 184	HSPA Relat-104	25.38	25.46	24.50			
SCPP Rel 185	HSPA Relat-105	25.40	25.48	24.50			
SCPP Rel 186	HSPA Relat-106	25.42	25.50	24.50			
SCPP Rel 187	HSPA Relat-107	25.44	25.52	24.50			
SCPP Rel 188	HSPA Relat-108	25.46	25.54	24.50			
SCPP Rel 189	HSPA Relat-109	25.48	25.56	24.50			
SCPP Rel 190	HSPA Relat-110	25.50	25.58	24.50			
SCPP Rel 191	HSPA Relat-111	25.52	25.60	24.50			
SCPP Rel 192	HSPA Relat-112	25.54	25.62	24.50			
SCPP Rel 193	HSPA Relat-113	25.56	25.64	24.50			
SCPP Rel 194	HSPA Relat-114	25.58	25.66	24.50			
SCPP Rel 195	HSPA Relat-115	25.60	25.68	24.50			
SCPP Rel 196	HSPA Relat-116	25.62	25.70	24.50			
SCPP Rel 197	HSPA Relat-117	25.64	25.72	24.50			
SCPP Rel 198	HSPA Relat-118	25.66	25.74	24.50			
SCPP Rel 199	HSPA Relat-119	25.68	25.76	24.50			
SCPP Rel 200	HSPA Relat-120	25.70	25.78	24.50			
SCPP Rel 201	HSPA Relat-121	25.72	25.80	24.50			
SCPP Rel 202	HSPA Relat-122	25.74	25.82	24.50			
SCPP Rel 203	HSPA Relat-123	25.76	25.84	24.50			
SCPP Rel 204	HSPA Relat-124	25.78	25.86	24.50			
SCPP Rel 205	HSPA Relat-125	25.80	25.88	24.50			
SCPP Rel 206	HSPA Relat-126	25.82	25.90	24.50			
SCPP Rel 207	HSPA Relat-127	25.84	25.92	24.50			
SCPP Rel 208	HSPA Relat-128	25.86	25.94	24.50			
SCPP Rel 209	HSPA Relat-129	25.88	25.96	24.50			
SCPP Rel 210	HSPA Relat-130	25.90	25.98	24.50			
SCPP Rel 211	HSPA Relat-131	25.92	26.00	24.50			
SCPP Rel 212	HSPA Relat-132	25.94	26.02	24.50			
SCPP Rel 213	HSPA Relat-133	25.96	26.04	24.50			
SCPP Rel 214	HSPA Relat-134	25.98	26.06	24.50			
SCPP Rel 215	HSPA Relat-135	26.00	26.08	24.50			
SCPP Rel 216	HSPA Relat-136	26.02	26.10	24.50			
SCPP Rel 217	HSPA Relat-137	26.04	26.12	24.50			
SCPP Rel 218	HSPA Relat-138	26.06	26.14	24.50			
SCPP Rel 219	HSPA Relat-139	26.08	26.16	24.50			
SCPP Rel 220	HSPA Relat-140	26.10	26.18	24.50			
SCPP Rel 221	HSPA Relat-141	26.12	26.20	24.50			
SCPP Rel 222	HSPA Relat-142	26.14	26.22	24.50			
SCPP Rel 223	HSPA Relat-143	26.16	26.24	24.50			
SCPP Rel 224	HSPA Relat-144	26.18	26.26	24.50			
SCPP Rel 225	HSPA Relat-145	26.20	26.28	24.50			
SCPP Rel 226	HSPA Relat-146	26.22	26.30	24.50			
SCPP Rel 227	HSPA Relat-147	26.24	26.32	24.50			
SCPP Rel 228	HSPA Relat-148	26.26	26.34	24.50			
SCPP Rel 229	HSPA Relat-149	26.28	26.36	24.50			
SCPP Rel 230	HSPA Relat-150	26.30	26.38	24.50			
SCPP Rel 231	HSPA Relat-151	26.32	26.40	24.50			
SCPP Rel 232	HSPA Relat-152	26.34	26.42	24.50			
SCPP Rel 233	HSPA Relat-153	26.36	26.44	24.50			
SCPP Rel 234	HSPA Relat-154	26.38	26.46	24.50			
SCPP Rel 235	HSPA Relat-155	26.40	26.48	24.50			
SCPP Rel 236	HSPA Relat-156	26.42	26.50	24.50			
SCPP Rel 237	HSPA Relat-157	26.44	26.52	24.50			
SCPP Rel 238	HSPA Relat-158	26.46	26.54	24.50			
SCPP Rel 239	HSPA Relat-159	26.48	26.56	24.50			
SCPP Rel 240	HSPA Relat-160	26.50	26.58	24.50			
SCPP Rel 241	HSPA Relat-161	26.52	26.60	24.50			
SCPP Rel 242	HSPA Relat-162	26.54	26.62	24.50			
SCPP Rel 243	HSPA Relat-163	26.56	26.64	24.50			
SCPP Rel 244	HSPA Relat-164	26.58	26.66	24.50			
SCPP Rel 245	HSPA Relat-165	26.60	26.68	24.50			
SCPP Rel 246	HSPA Relat-166	26.62	26.70	24.50			
SCPP Rel 247	HSPA Relat-167	26.64	26.72	24.50			
SCPP Rel 248	HSPA Relat-168	26.66	26.74	24.50			
SCPP Rel 249	HSPA Relat-169	26.68	26.76	24.50			
SCPP Rel 250	HSPA Relat-170	26.70	26.78	24.50			
SCPP Rel 251	HSPA Relat-171	26.72	26.80	24.50			
SCPP Rel 252	HSPA Relat-172	26.74	26.82	24.50			
SCPP Rel 253	HSPA Relat-173	26.76	26.84	24.50			
SCPP Rel 254	HSPA Relat-174	26.78	26.86	24.50			
SCPP Rel 255	HSPA Relat-175	26.80	26.88	24.50			
SCPP Rel 256	HSPA Relat-176	26.82	26.90	24.50			
SCPP Rel 257	HSPA Relat-177	26.84	26.92	24.50			
SCPP Rel 258	HSPA Relat-178	26.86	26.94	24.50			
SCPP Rel 259	HSPA Relat-179	26.88	26.96	24.50			
SCPP Rel 260	HSPA Relat-180	26.90	26.98	24.50			
SCPP Rel 261	HSPA Relat-181	26.92	27.00	24.50			
SCPP Rel 262	HSPA Relat-182	26.94	27.02	24.50			
SCPP Rel 263	HSPA Relat-183	26.96	27.04	24.50			
SCPP Rel 264	HSPA Relat-184	26.98	27.06	24.50			
SCPP Rel 265	HSPA Relat-185	27.00	27.08	24.50			
SCPP Rel 266	HSPA Relat-186	27.02	27.10	24.50			
SCPP Rel 267	HSPA Relat-187	27.04	27.12	24.50			
SCPP Rel 268	HSPA Relat-188	27.06	27.14	24.50			
SCPP Rel 269	HSPA Relat-189	27.08	27.16	24.50			
SCPP Rel 270	HSPA Relat-190	27.10	27.18	24.			

Band 4 Ant0 DS15 Default											
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Mode Ch./Freq.	High Ch./Freq.	Turn-on Time (ms)	MPE (dB)		
Channel											
Frequency (MHz)				1730	1732.5	1745					
10	QPSK	1	0	21.83	21.87	21.89		23.5	0		
10	QPSK	1	25	21.83	21.87	21.89					
10	QPSK	1	99	21.75	21.81	21.77					
10	QPSK	5	0	20.94	20.98	20.99		22.5	1		
10	QPSK	5	24	20.95	20.96	20.95					
10	QPSK	50	50	20.94	20.90	20.99					
10	QPSK	100	0	20.96	20.99	20.99					
10	HQAM	1	0	21.08	21.13	21.12		22.5	1		
10	HQAM	1	49	21.18	21.12	21.10					
10	HQAM	1	99	20.91	20.97	20.93					
10	HQAM	5	0	20.02	19.97	19.99		21.5	2		
10	HQAM	5	24	20.01	19.99	20.04					
10	HQAM	50	50	19.95	19.98	19.95					
10	HQAM	100	0	19.95	19.95	19.95					
10	HQAM	1	49	20.02	19.92	20.13		21.5	2		
10	HQAM	1	99	19.88	19.92	19.92					
10	HQAM	5	0	19.92	19.92	19.92		20.5	3		
10	HQAM	5	24	19.94	19.93	19.94					
10	HQAM	50	50	19.81	19.88	19.86					
10	HQAM	100	0	19.93	19.97	19.99					
20	25GQAM	1	0	17.08	16.94	16.99		18.5	5		
20	25GQAM	1	49	16.95	16.93	16.91					
20	25GQAM	1	99	16.93	16.93	16.93					
20	25GQAM	5	0	17.12	17.18	16.99		18.5	5		
20	25GQAM	5	24	16.97	16.97	16.97					
20	25GQAM	50	50	17.05	16.98	16.95					
20	25GQAM	100	0	16.93	17.22	17.15					
Channel											
Frequency (MHz)				1720	1732.5	1747.5	Turn-on Time (ms)	MPE (dB)			
15	QPSK	1	0	21.72	21.79	21.75		23.5	0		
15	QPSK	1	25	21.72	21.82	21.75					
15	QPSK	1	74	21.69	21.62	21.61					
15	QPSK	5	0	20.87	20.87	20.83		22.5	1		
15	QPSK	5	24	20.77	20.80	20.77					
15	QPSK	50	50	20.73	20.76	20.84					
15	QPSK	75	0	20.68	20.77	20.85					
15	HQAM	1	0	20.88	20.91	20.91		22.5	1		
15	HQAM	1	37	21.08	21.13	21.12					
15	HQAM	1	74	20.89	20.95	20.94					
15	HQAM	5	0	19.87	19.88	19.78		21.5	2		
15	HQAM	5	20	19.88	19.87	19.74					
15	HQAM	5	49	19.86	19.86	19.86					
15	HQAM	5	99	19.86	19.74	19.83					
15	HQAM	1	0	20.07	20.05	19.98		21.5	2		
15	HQAM	1	37	16.74	16.73	16.78					
15	HQAM	1	74	16.96	16.96	16.96					
15	HQAM	5	0	16.91	16.87	16.88		20.5	3		
15	HQAM	5	24	16.82	16.78	16.89					
15	HQAM	5	39	19.88	19.87	19.87					
15	HQAM	5	75	19.84	19.94	19.86					
15	HQAM	5	99	19.78	19.85	19.85					
15	25GQAM	1	37	16.74	16.73	16.78		18.5	5		
15	25GQAM	1	74	16.97	16.97	16.97					
15	25GQAM	5	0	17.12	17.17	16.97					
15	25GQAM	5	20	16.88	16.78	17.11		18.5	5		
15	25GQAM	5	39	16.93	16.93	16.93					
15	25GQAM	5	99	16.93	17.21	16.99					
Channel											
Frequency (MHz)				1716	1725	1735	Turn-on Time (ms)	MPE (dB)			
10	QPSK	1	0	21.82	21.89	21.82		23.5	0		
10	QPSK	1	25	21.84	21.74	21.71					
10	QPSK	1	74	21.84	21.86	21.86					
10	QPSK	5	0	20.88	20.99	20.88		22.5	1		
10	QPSK	5	24	20.73	20.95	20.75					
10	QPSK	50	50	20.89	20.74	20.79					
10	QPSK	50	0	20.87	20.85	20.78					
10	HQAM	1	0	20.87	21.09	21.06		22.5	1		
10	HQAM	1	24	21.05	21.02	21.10					
10	HQAM	1	49	20.84	20.85	20.87					
10	HQAM	5	0	19.95	19.97	19.95		21.5	2		
10	HQAM	5	20	19.75	19.76	19.73					
10	HQAM	5	26	19.82	19.87	19.81					
10	HQAM	5	49	19.76	19.78	19.78					
10	HQAM	1	0	20.01	19.86	20.01		21.5	2		
10	HQAM	1	26	19.85	19.77	19.86					
10	HQAM	5	0	19.90	19.82	19.82					
10	HQAM	5	0	19.91	19.84	19.75		20.5	3		
10	HQAM	5	20	19.88	19.86	19.89					
10	HQAM	5	39	19.88	19.71	19.89					
10	HQAM	5	75	19.84	19.94	19.86					
10	HQAM	5	99	19.78	19.85	19.85					
10	25GQAM	1	37	16.96	16.74	16.72		18.5	5		
10	25GQAM	1	74	16.97	16.97	16.97					
10	25GQAM	5	0	17.12	17.17	16.97					
10	25GQAM	5	20	16.88	16.78	17.11		18.5	5		
10	25GQAM	5	39	16.93	16.93	16.93					
10	25GQAM	5	99	16.93	17.21	16.99					

Band 13 Ant0 DS15 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Time-up (ms)	MPR (dB)
Channel									
Frequency (MHz)									
762									
10	QPSK	1	0	23.36	23.36	23.36	23.36	24.5	0
10	QPSK	1	25	23.33	23.33	23.33	23.33		
10	QPSK	1	49	23.30	23.30	23.30	23.30		
10	QPSK	1	73	23.27	23.27	23.27	23.27		
10	QPSK	25	0	23.40	23.40	23.40	23.40	23.5	1
10	QPSK	25	25	23.37	23.37	23.37	23.37		
10	QPSK	25	50	23.34	23.34	23.34	23.34		
10	QPSK	25	75	23.31	23.31	23.31	23.31		
10	16QAM	1	0	22.43	22.43	22.43	22.43	23.5	1
10	16QAM	1	25	22.40	22.40	22.40	22.40		
10	16QAM	1	49	22.37	22.37	22.37	22.37		
10	16QAM	1	73	22.34	22.34	22.34	22.34		
10	16QAM	25	0	22.47	22.47	22.47	22.47	22.5	2
10	16QAM	25	12	22.50	22.50	22.50	22.50		
10	16QAM	25	36	22.53	22.53	22.53	22.53		
10	16QAM	25	60	22.56	22.56	22.56	22.56		
10	16QAM	50	0	21.50	21.50	21.50	21.50	22.5	2
10	16QAM	50	25	21.47	21.47	21.47	21.47		
10	16QAM	50	50	21.44	21.44	21.44	21.44		
10	16QAM	50	75	21.41	21.41	21.41	21.41		
10	16QAM	1	25	22.10	22.10	22.10	22.10	22.5	2
10	16QAM	1	49	22.07	22.07	22.07	22.07		
10	16QAM	1	73	22.04	22.04	22.04	22.04		
10	16QAM	1	97	22.01	22.01	22.01	22.01		
10	16QAM	25	12	22.04	22.04	22.04	22.04	21.5	3
10	16QAM	25	36	22.07	22.07	22.07	22.07		
10	16QAM	25	60	22.10	22.10	22.10	22.10		
10	16QAM	25	84	22.13	22.13	22.13	22.13		
10	256QAM	1	0	18.43	18.43	18.43	18.43	19.5	5
10	256QAM	1	25	18.46	18.46	18.46	18.46		
10	256QAM	1	49	18.49	18.49	18.49	18.49		
10	256QAM	1	73	18.52	18.52	18.52	18.52		
10	256QAM	25	0	18.51	18.51	18.51	18.51	19.5	5
10	256QAM	25	25	18.54	18.54	18.54	18.54		
10	256QAM	25	50	18.57	18.57	18.57	18.57		
10	256QAM	25	75	18.60	18.60	18.60	18.60		
10	256QAM	50	0	18.63	18.63	18.63	18.63	19.5	5
10	256QAM	50	25	18.66	18.66	18.66	18.66		
10	256QAM	50	50	18.69	18.69	18.69	18.69		
10	256QAM	50	75	18.72	18.72	18.72	18.72		
10	256QAM	50	100	18.75	18.75	18.75	18.75		
10	256QAM	50	125	18.78	18.78	18.78	18.78		
Channel									
779.5									
5	QPSK	1	0	23.18	23.23	23.21	23.21	24.5	0
5	QPSK	1	12	23.25	23.29	23.28	23.28		
5	QPSK	1	24	23.32	23.36	23.35	23.35		
5	QPSK	1	36	23.40	23.44	23.43	23.43		
5	QPSK	12	0	22.40	22.50	22.59	22.59	23.5	1
5	QPSK	12	7	22.34	22.36	22.44	22.44		
5	QPSK	12	13	22.48	22.49	22.48	22.48		
5	QPSK	12	19	22.55	22.46	22.61	22.61		
5	QPSK	25	0	22.17	22.19	22.25	22.25	23.5	1
5	QPSK	25	12	22.36	22.39	22.37	22.37		
5	QPSK	25	24	22.58	22.59	22.62	22.62		
5	QPSK	25	36	22.83	22.81	22.87	22.87		
5	16QAM	1	0	21.43	21.47	21.46	21.46	22.5	2
5	16QAM	1	12	21.49	21.43	21.47	21.47		
5	16QAM	1	24	21.56	21.46	21.44	21.44		
5	16QAM	1	36	21.61	21.47	21.51	21.51		
5	16QAM	1	48	21.68	21.57	21.63	21.63	22.5	2
5	16QAM	1	60	21.75	21.59	21.46	21.46		
5	16QAM	1	72	21.84	21.61	21.61	21.61		
5	16QAM	1	84	21.91	21.67	21.65	21.65		
5	16QAM	12	0	20.47	20.44	20.41	20.41	21.5	3
5	16QAM	12	7	20.44	20.45	20.43	20.43		
5	16QAM	12	13	20.58	20.39	20.39	20.39		
5	16QAM	12	19	20.70	20.26	20.26	20.26		
5	256QAM	1	0	18.37	18.45	18.37	18.37	19.5	5
5	256QAM	1	12	18.29	18.32	18.25	18.25		
5	256QAM	1	24	18.40	18.25	18.27	18.27		
5	256QAM	1	36	18.47	18.40	18.32	18.32		
5	256QAM	12	0	18.25	18.44	18.21	18.21	19.5	5
5	256QAM	12	7	18.25	18.44	18.21	18.21		
5	256QAM	12	13	18.34	18.34	18.44	18.44		
5	256QAM	12	19	18.39	18.32	18.33	18.33		

Band 17 Ant0 DS15 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.	Time-up (ms)	MPR (dB)		
Channel											
Frequency (MHz)											
706											
5	QPSK	1	0	24.30	24.30	24.25	24.25	25.5	0		
5	QPSK	1	25	24.31	24.29	24.31	24.31				
5	QPSK	1	49	24.28	24.25	24.15	24.15				
5	QPSK	25	0	23.27	23.40	23.28	23.28				
5	QPSK	25	12	23.26	23.34	23.27	23.27	24.5	1		
5	QPSK	25	36	23.25	23.24	23.27	23.27				
5	QPSK	25	60	23.32	23.35	23.34	23.34				
5	QPSK	25	84	23.39	23.31	23.41	23.41				
5	16QAM	1	0	23.29	23.31	23.22	23.22	24.5	1		
5	16QAM	1	25	23.16	23.17	23.22	23.22				
5	16QAM	1	49	23.16	23.19	23.16	23.16				
5	16QAM	25	0	22.44	22.59	22.44	22.44				
5	16QAM	25	12	22.18	22.21	22.21	22.21	23.5	2		
5	16QAM	25	36	22.28	22.26	22.22	22.22				
5	16QAM	25	60	22.41	22.36	22.38	22.38				
5	16QAM	25	84	22.51	22.11	22.11	22.11				
5	16QAM	1	25	22.24	22.29	22.36	22.36	23.5	2		
5	16QAM	1	49	22.16	22.20	22.26	22.26				
5	16QAM	1	73	22.26	22.15	22.15	22.15				
5	16QAM	25	12	21.14	21.16	21.14	21.14				
5	16QAM	25	36	21.29	21.23	21.28	21.28	22.5	3		
5	16QAM	25	60	21.29	21.30	21.39	21.39				
5	256QAM	1	0	19.35	19.40	19.30	19.30				
5	256QAM	1	25	19.17	19.44	19.17	19.17	20.5	5		
5	256QAM	1	49	19.27	19.47	19.30	19.30				
5	256QAM	1	73	19.27	19.21	19.35	19.35				
5	256QAM	25	0	19.35	19.29	19.29	19.29				
Channel											
706.5											
5	QPSK	1	0	24.18	24.18	24.19	24.19	25.5	0		
5	QPSK	1	12	23.99	24.22	24.05	24.05				
5	QPSK	1	24	24.17	24.17	24.04	24.04				
5	QPSK	12	0	23.14	23.16	23.19	23.19				
5	QPSK	12	7	23.28	23.29	23.30	23.30	24.5	1		
5	QPSK	12	13	23.13	23.11	23.13	23.13				
5	QPSK	25	0	23.26	23.24	23.19	23.19				
5	QPSK	25	12	23.39	23.29	23.41	23.41				
5	16QAM	1	0	23.19	23.31	23.37	23.37	24.5	1		
5	16QAM	1	12	23.09	23.13	23.17	23.17				
5	16QAM	1	24	23.08	23.08	23.09	23.09				
5	16QAM	12	0	22.33	22.31	22.41	22.41				
5	16QAM	12	7	22.53	22.58	22.13	22.13	23.5	2		
5	16QAM	12	13	22.21	22.26	22.07	22.07				
5	16QAM	1	25	22.27	22.22	22.23	22.23	23.5	2		
5	16QAM	1	0	22.03	21.98	22.00	22.00				
5	16QAM	1	12	22.09	22.14	22.26	22.26				
5	16QAM	1	24	22.11	22.11	22.26	22.26				
5	16QAM	12	0	21.31	21.22	21.30	21.30	22.5	3		
5	16QAM	12	7	21.40	21.13	21.16	21.16				
5	16QAM	12	13	21.28	21.28	21.28	21.28				
5	16QAM	25	0	21.15	21.18	21.17	21.17				
5	256QAM	1	0	19.35	19.41	19.30	19.30	20.5	5		
5	256QAM	1	12	19.27	19.28	19.30	19.30				
5	256QAM	1	24	19.33	19.32	19.32	19.32				
5	256QAM	1	48	19.35	19.35	19.35	19.35				
5	256QAM	12	7	19.18	19.42	19.14	19.14	20.5	5		
5	256QAM	12	13	19.11	19.39	19.12	19.12				
5	256QAM	12	19	19.11	19.11	19.12	19.12				
5	256QAM	25	0	19.11	19.11	19.12	19.12				

Band 38 Ant0 DS15(only on channel required)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Max Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.66	21.67	21.68				
20	QPSK	1	49	21.67	21.68	21.69			23	0
20	QPSK	1	98	21.68	21.69	21.70				
20	QPSK	50	0	20.78	20.80	20.82				
20	QPSK	50	49	20.79	20.81	20.83			22	1
20	QPSK	50	98	20.80	20.82	20.84				
20	QPSK	100	0	20.78	20.80	20.82				
20	QPSK	100	49	20.79	20.81	20.83			22	1
20	QPSK	100	98	20.80	20.82	20.84				
20	QPSK	50	24	19.38	19.43	19.50			21	2
20	QPSK	50	50	19.50	19.55	19.55				
20	QPSK	50	75	19.45	19.45	19.45				
20	QPSK	1	0	19.35	19.47	19.34				
20	QPSK	1	49	19.44	19.38	19.35			21	2
20	QPSK	1	98	19.45	19.45	19.45				
20	QPSK	50	3	18.83	18.84	18.80				
20	QPSK	50	51	18.84	18.84	18.84			20	3
20	QPSK	50	50	18.39	18.35	18.37				
20	QPSK	100	0	16.44	16.44	16.33				
20	QPSK	100	49	16.45	16.45	16.43				
20	QPSK	1	49	16.38	16.49	16.39			18	5
20	QPSK	1	98	16.40	16.40	16.40				
20	QPSK	50	0	14.86	14.88	14.84				
20	QPSK	50	24	14.83	14.79	14.84			18	5
20	QPSK	50	49	14.82	14.82	14.82				
20	QPSK	100	0	13.55	13.62	13.58				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.73	21.74	21.75				
15	QPSK	1	32	21.73	21.74	21.75			23	0
15	QPSK	1	74	21.74	21.75	21.76				
15	QPSK	50	0	20.81	20.80	20.82				
15	QPSK	50	33	20.81	20.80	20.82			22	1
15	QPSK	50	36	20.81	20.80	20.48				
15	QPSK	50	39	20.81	20.80	20.48				
15	QPSK	100	0	20.79	20.48	20.52				
15	QPSK	1	37	20.53	20.53	20.54			22	1
15	QPSK	1	74	20.54	20.54	20.54				
15	QPSK	50	0	19.38	19.32	19.28				
15	QPSK	50	36	19.23	19.42	19.40			21	2
15	QPSK	50	39	19.39	19.43	19.43				
15	QPSK	100	0	18.27	18.44	18.43				
15	QPSK	100	33	18.37	18.44	18.43				
15	QPSK	50	20	18.40	18.40	18.35			21	2
15	QPSK	1	37	19.39	19.22	19.23				
15	QPSK	1	74	18.51	19.33	19.43				
15	QPSK	50	0	16.39	16.38	16.38				
15	QPSK	50	36	16.35	16.27	16.39			20	3
15	QPSK	50	39	16.35	16.27	16.39				
15	QPSK	100	0	15.29	15.38	15.33				
15	QPSK	1	0	14.40	14.46	14.52			18	5
15	QPSK	1	32	14.40	14.46	14.52				
15	QPSK	1	74	14.40	14.46	14.52				
15	QPSK	50	0	13.06	13.05	13.06				
15	QPSK	50	33	13.03	13.06	13.07			18	5
15	QPSK	50	36	13.03	13.06	13.07				
15	QPSK	100	0	11.87	11.86	11.87				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.90	21.94	21.92				
10	QPSK	1	26	21.92	21.97	21.91			23	0
10	QPSK	1	52	21.94	21.97	21.94				
10	QPSK	25	0	20.38	20.37	20.46				
10	QPSK	25	12	20.49	20.33	20.47			22	1
10	QPSK	25	18	20.47	20.41	20.46				
10	QPSK	50	0	20.53	20.51	20.59				
10	QPSK	1	0	20.41	20.41	20.40			22	1
10	QPSK	1	26	20.41	20.41	20.40				
10	QPSK	1	48	20.38	20.35	20.46				
10	QPSK	25	0	19.46	19.46	19.33				
10	QPSK	25	12	19.24	19.23	19.25			21	2
10	QPSK	25	18	19.22	19.23	19.22				
10	QPSK	50	0	18.27	18.27	18.27				
10	QPSK	1	48	18.42	19.38	19.38			20	3
10	QPSK	25	0	16.38	16.42	16.42				
10	QPSK	25	26	16.30	16.32	16.32				
10	QPSK	50	0	14.83	14.87	14.86				
10	QPSK	1	26	14.83	14.87	14.86			18	5
10	QPSK	25	0	13.52	13.57	13.56				
10	QPSK	25	12	13.49	13.48	13.50				
10	QPSK	25	18	13.49	13.48	13.50			18	5
10	QPSK	50	0	12.46	12.46	12.50				
10	QPSK	1	26	12.46	12.46	12.50				
10	QPSK	25	0	11.25	11.28	11.28				
10	QPSK	25	12	11.25	11.28	11.28			18	5
10	QPSK	25	18	11.25	11.28	11.28				
10	QPSK	50	0	10.04	10.04	10.05				
10	QPSK	1	26	10.04	10.04	10.05				
10	QPSK	25	0	8.83	8.84	8.84			20	3
10	QPSK	25	12	8.83	8.84	8.84				
10	QPSK	25	18	8.83	8.84	8.84				
10	QPSK	50	0	7.62	7.63	7.63				
10	QPSK	1	26	7.62	7.63	7.63			18	5
10	QPSK	25	0	6.41	6.41	6.41				
10	QPSK	25	12	6.41	6.41	6.41				
10	QPSK	25	18	6.41	6.41	6.41			18	5

Band 48 Ant0 DSI5_FCC														
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 freq (MHz)	MFR (dB)					
Channel				55360	55840	56320	56800							
Frequency (MHz)				3560	3600	3640	3680							
20	QPSK	1	0	21.35	21.43	21.43	21.29	23	0					
20	QPSK	1	40	21.42	21.44	21.24	21.40							
20	QPSK	1	80	21.44	21.48	21.35	21.43							
20	QPSK	30	0	20.52	20.62	20.58	20.48							
20	QPSK	30	34	20.58	20.46	20.50	20.61	22	1					
20	QPSK	30	68	20.59	20.53	20.61	20.59							
20	QPSK	100	0	20.42	20.48	20.45	20.58							
20	16QAM	1	0	20.63	20.57	20.55	20.57							
20	16QAM	1	40	20.71	20.64	20.88	20.65	22	1					
20	16QAM	1	80	20.58	20.59	20.57	20.59							
20	16QAM	30	0	19.63	19.67	19.70	19.69							
20	16QAM	50	24	19.64	19.59	19.59	19.67							
20	16QAM	30	68	19.65	19.46	19.46	19.52	21	2					
20	16QAM	100	0	19.47	19.52	19.48	19.54							
20	64QAM	1	0	19.60	19.57	19.57	19.64							
20	64QAM	1	40	19.42	19.36	19.46	19.42							
20	64QAM	1	80	19.52	19.46	19.46	19.52	21	2					
20	64QAM	30	0	18.61	18.42	18.42	18.64							
20	64QAM	30	34	18.49	18.51	18.50	18.55							
20	64QAM	50	50	18.66	18.60	18.64	18.64							
20	64QAM	100	0	18.55	18.45	18.51	18.55	20	3					
20	256QAM	1	0	18.57	18.48	18.34	18.34							
20	256QAM	1	40	18.47	18.63	18.34	18.49							
20	256QAM	1	80	18.52	18.56	18.37	18.62							
20	256QAM	30	0	18.61	18.77	18.74	18.48	18	5					
20	256QAM	30	34	18.63	18.50	18.55	18.67							
20	256QAM	30	68	18.63	18.61	18.78	18.70							
20	256QAM	100	0	18.54	18.58	18.44	18.50							
Channel				55000	55480	55960	56440							
Frequency (MHz)				3517.5	3558	3604	3652							
15	QPSK	1	0	21.21	21.40	21.42	21.24	23	0					
15	QPSK	1	37	21.31	21.33	21.12	21.27							
15	QPSK	1	74	21.31	21.35	21.29	21.40							
15	QPSK	30	0	20.48	20.45	20.47	20.43							
15	QPSK	30	30	20.45	20.40	20.43	20.39	22	1					
15	QPSK	30	60	20.48	20.40	20.49	20.44							
15	QPSK	1	0	20.37	20.30	20.31	20.28							
15	16QAM	1	0	20.52	20.54	20.50	20.47							
15	16QAM	1	37	20.58	20.56	20.56	20.55	22	1					
15	16QAM	1	74	20.52	20.43	20.52	20.52							
15	16QAM	30	0	19.55	19.55	19.64	19.65							
15	16QAM	30	30	19.58	19.51	19.47	19.57							
15	16QAM	30	60	19.37	19.41	19.43	19.43	21	2					
15	16QAM	75	0	19.35	19.45	19.40	19.40							
15	64QAM	1	0	19.49	19.51	19.48	19.58							
15	64QAM	1	37	19.38	19.29	19.41	19.53							
15	64QAM	1	74	19.47	19.42	19.36	19.42	21	2					
15	64QAM	30	0	18.55	18.56	18.55	18.50							
15	64QAM	30	30	18.38	18.47	18.35	18.50							
15	64QAM	30	60	18.52	18.47	18.53	18.49							
15	64QAM	75	0	18.49	18.32	18.48	18.41	20	3					
15	256QAM	1	0	18.42	18.42	18.42	18.42							
15	256QAM	1	37	18.35	18.27	18.45	18.45							
15	256QAM	1	74	18.52	18.52	18.17	18.56							
15	256QAM	30	0	18.50	18.63	18.64	18.35	18	5					
15	256QAM	30	30	18.58	18.54	18.42	18.48							
15	256QAM	30	60	18.67	18.51	18.71	18.59							
15	256QAM	75	0	18.49	18.43	18.24	18.35							
Channel				55296	55816	56336	56856							
Frequency (MHz)				3529.5	35736	36256	36776							
10	QPSK	1	0	21.27	21.44	21.41	21.24	23	0					
10	QPSK	1	25	21.35	21.33	21.13	21.53							
10	QPSK	1	40	21.41	21.45	21.24	21.52							
10	QPSK	20	0	20.53	20.46	20.52	20.38							
10	QPSK	25	12	20.48	20.32	20.50	20.43	22	1					
10	QPSK	25	25	20.54	20.45	20.51	20.45							
10	QPSK	30	0	20.35	20.37	20.37	20.25							
10	16QAM	1	0	20.56	20.44	20.42	20.51							
10	16QAM	1	25	20.82	20.58	20.64	20.60	22	1					
10	16QAM	1	40	20.44	20.54	20.52	20.44							
10	16QAM	20	0	19.48	19.54	19.56	19.60							
10	16QAM	20	12	19.56	19.54	19.52	19.49							
10	16QAM	20	20	19.41	19.44	19.52	19.51	21	2					
10	16QAM	30	0	19.41	19.42	19.39	19.41							
10	64QAM	1	0	19.48	19.49	19.45	19.61							
10	64QAM	1	20	19.33	19.32	19.36	19.30							
10	64QAM	1	40	19.43	19.37	19.39	19.48	21	2					
10	64QAM	25	0	18.57	18.54	18.61	18.59							
10	64QAM	25	12	18.44	18.40	18.38	18.48							
10	64QAM	30	0	18.67	18.54	18.60	18.51							
10	256QAM	1	0	18.49	18.32	18.50	18.41	20	3					
10	256QAM	1	0	18.51	18.38	18.43	18.52							
10	256QAM	1	25	18.52	18.40	18.23	18.58							
10	256QAM	1	40	18.52	18.53	18.17	18.47							
10	256QAM	20	0	18.47	18.50	18.75	18.49	18	5					
10	256QAM	20	12	18.64	18.57	18.57	18.64							
10	256QAM	25	25	18.56	18.47	18.74	18.68							
10	256QAM	30	0	18.43	18.58	18.32	18.59							
Channel				55296	55772	56248	56712							
Frequency (MHz)				3529.5	3569	3604	3637.5							
5	QPSK	1	0	21.22	21.38	21.41	21.15	23	0					
5	QPSK	1	12	21.52	21.50	21.11	21.28							
5	QPSK	1	24	21.37	21.30	21.22	21.50							
5	QPSK	12	0	20.55	20.39	20.45	20.20							
5	QPSK	12	7	20.42	20.43	20.38	20.45	22	1					
5	QPSK	12	13	20.54	20.49	20.51	20.50							
5	QPSK	20	0	20.42	20.34	20.34	20.34							
5	16QAM	1	0	20.80	20.46	20.48	20.47							
5	16QAM	1	12	20.64	20.50	20.64	20.52	22	1					
5	16QAM	1	24	20.53	20.48	20.46	20.49							
5	16QAM	12	0	19.51	19.54	19.60	19.59							
5	16QAM	20	7	19.61	19.55	19.45	19.60							
5	16QAM	12	13	19.40	19.45	19.38	19.52	21	2					
5	16QAM	20	0	19.38	19.44	19.39	19.45							
5	64QAM	1	0	19.48	19.46	19.53	19.61	21	2					
5	64QAM	1	12	19.31	19.30	19.39	19.33							
5	64QAM	12	0	19.47	19.33	19.33	19.43	21	2					
5	64QAM	12	0	18.54	18.50	18.59	18.53							
5	64QAM	12	7	18.35	18.48	18.39	18.50	20	3					
5	64QAM	12	13	18.57	18.57	18.34	18.63							
5	64QAM	20	0	18.45	18.42	18.44	18.45	20	3					
5	64QAM	20	7	18.62	18.48	18.48	18.51							
5	256QAM	1	0	18.29	18.60	18.33	18.46	18	5					
5	256QAM	1	12	18.41	18.56	18.35	18.57							
5	256QAM	12	0	18.50	18.73	18.72	18.36	18	5					
5	256QAM	12	7	18.61	18.41	18.61	18.62							
5	256QAM	12	13	18.63	18.51	18.62	18.61							

GEM50 Ant D015									
GEM50		Serial Average (dBm)			Turn-up	Frame-Average (Frame) (dBm)			Turn-up
TX Channel	Power (dBm)	128	160	251	Level	128	160	251	Level
Frequency (MHz)	5.000	4.85	4.85	4.85	-	4.85	4.85	4.85	-
GEM 1 tx rate	30.01	50.01	50.01	50.01	21.11	20.01	21.01	21.26	22.50
GEM1 1 Tx ant	29.69	50.21	50.31	51.31	20.99	21.01	21.31	21.13	22.50
GEM2 1 tx rate	27.62	27.33	27.13	28.50	21.62	21.31	21.13	22.50	
GEM2 1 Tx ant	27.35	27.55	27.65	28.48	21.48	21.31	21.13	22.50	
GEM3 1 tx rate	24.43	24.12	24.10	25.50	21.43	21.12	21.10	22.50	
GEM3 1 Tx ant	26.32	28.45	28.01	27.50	17.32	17.45	17.61	18.50	
EDGE 2 tx rate	23.43	23.42	23.21	24.50	17.43	17.42	17.21	18.50	
EDGE 2 Tx ant	21.80	21.75	21.63	22.48	17.48	17.42	17.30	18.50	
EDGE 4 tx rate	20.51	20.42	20.27	21.50	17.51	17.42	17.27	18.50	

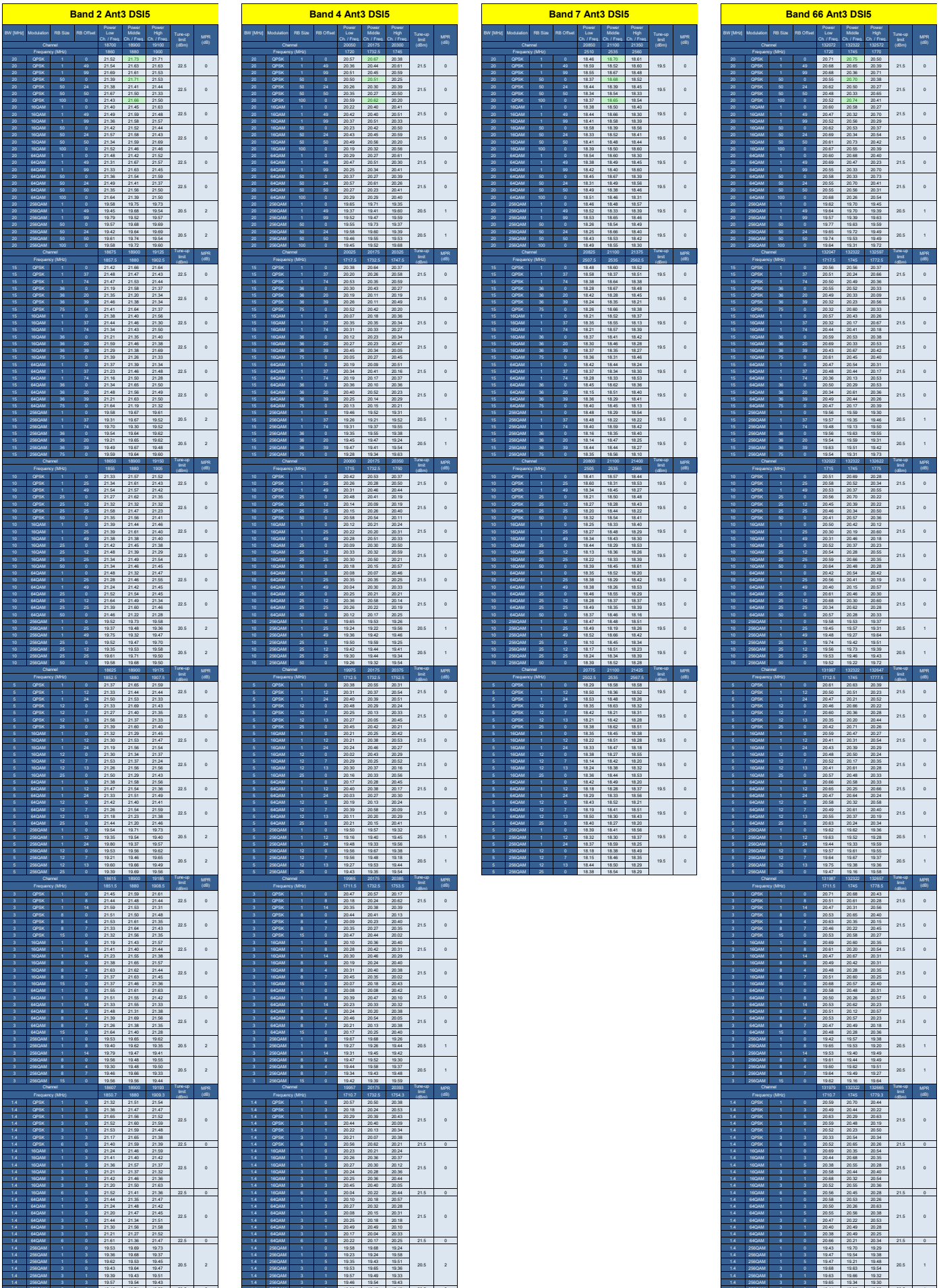
WCDA V Airt Disb				
	Band	WCDA V		Time up (Lmtd)
	Tx Channel	4152	4162	4203
3GPP Rel 9a	4152	4152	4162	4203
	Frequency (MHz)	806.4	836.4	846.6
3GPP Rel 9a	HSRPA Subchannel 1	20.58	20.52	20.44
3GPP Rel 9a	HSRPA Subchannel 2	20.58	20.52	20.44
3GPP Rel 9a	HSRPA Subchannel 3	19.54	19.78	19.73
3GPP Rel 9a	HSRPA Subchannel 4	18.69	19.79	19.62
3GPP Rel 9a	HSRPA Subchannel 5	18.69	19.79	19.62
3GPP Rel 9a	HSRPA Subchannel 6	18.05	19.43	19.45
3GPP Rel 9a	OC-HSRPA Subchannel 1	18.73	19.53	19.68
3GPP Rel 9a	OC-HSRPA Subchannel 2	18.73	19.53	19.68
3GPP Rel 9a	OC-HSRPA Subchannel 3	19.23	19.04	19.14
3GPP Rel 9a	OC-HSRPA Subchannel 4	18.31	19.36	19.05
3GPP Rel 9a	OC-HSRPA Subchannel 5	18.31	19.36	19.05
3GPP Rel 9a	HSRPA Subchannel 1	17.87	17.82	17.82
3GPP Rel 9a	HSRPA Subchannel 2	18.82	18.85	18.82
3GPP Rel 9a	HSRPA Subchannel 3	17.87	17.82	17.82
3GPP Rel 9a	HSRPA Subchannel 4	19.81	19.58	19.70

Band 5 Ant1 DS15														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up [mW]	MPE [dB]						
Channel														
Frequency [MHz]														
10	QPSK	1	0	18.16	18.27	18.16	20.5	0						
10	QPSK	1	25	18.16	18.24	18.27								
10	QPSK	1	40	18.02	18.20	18.06								
10	QPSK	1	0	18.16	18.27	18.16								
10	QPSK	25	12	18.85	18.90	18.86	20.5	0						
10	QPSK	25	25	18.88	18.93	18.83								
10	QPSK	25	0	18.87	18.92	18.87								
10	16QAM	1	0	18.73	18.08	18.87								
10	16QAM	1	25	18.86	18.17	18.76	20.5	0						
10	16QAM	1	40	18.96	18.21	18.98								
10	16QAM	25	0	18.71	18.02	18.73								
10	16QAM	25	12	18.81	18.09	18.83								
10	16QAM	25	25	18.98	18.06	18.79	20.5	0						
10	16QAM	50	0	18.79	18.84	18.85								
10	16QAM	1	0	18.86	18.21	18.85								
10	16QAM	1	25	18.95	18.22	18.10		20.5	0					
10	16QAM	1	40	18.82	18.87	18.82								
10	16QAM	25	0	18.86	18.08	18.75								
10	16QAM	25	12	18.04	18.14	18.17	20.5	0						
10	16QAM	25	25	18.88	18.01	18.73								
10	16QAM	50	0	18.90	18.08	18.79								
10	256QAM	1	0	18.98	18.08	18.10	20.5	0						
10	256QAM	1	25	18.88	18.05	18.92								
10	256QAM	1	40	18.85	18.87	18.85								
10	256QAM	25	0	18.18	18.07	18.14								
10	256QAM	25	12	18.88	18.01	18.85	20.5	0						
10	256QAM	25	25	18.81	18.90	18.84								
10	256QAM	50	0	18.85	18.08	18.77								
Channel														
Frequency [MHz]														
5	QPSK	1	0	18.08	18.17	18.07	20.5	0						
5	QPSK	1	12	18.14	18.03	18.17								
5	QPSK	1	24	18.93	18.17	18.84								
5	QPSK	12	0	18.87	18.89	18.87								
5	QPSK	12	7	18.76	18.85	18.81	20.5	0						
5	QPSK	12	13	18.83	18.89	18.72								
5	QPSK	25	0	18.91	18.07	18.97								
5	16QAM	1	0	18.87	18.89	18.87								
5	16QAM	1	12	18.95	18.03	18.73	20.5	0						
5	16QAM	1	24	18.96	18.09	18.85								
5	16QAM	12	0	18.88	18.84	18.87								
5	16QAM	12	7	18.88	18.14	18.79		20.5	0					
5	16QAM	12	13	18.95	18.04	18.85								
5	16QAM	25	0	18.86	18.78	18.85								
5	16QAM	1	0	18.82	18.01	18.78		20.5	0					
5	16QAM	1	12	18.95	18.03	18.85								
5	16QAM	1	24	18.91	18.08	18.83								
5	16QAM	12	0	18.74	18.83	18.87		20.5	0					
5	16QAM	12	7	18.87	18.09	18.87								
5	16QAM	12	13	18.85	18.84	18.81								
5	16QAM	25	0	18.90	18.03	18.90		20.5	0					
5	256QAM	1	0	18.75	18.85	18.81								
5	256QAM	1	12	18.89	18.12	18.83								
5	256QAM	1	24	18.96	18.08	18.85		20.5	0					
5	256QAM	12	0	18.97	18.08	18.85								
5	256QAM	12	7	18.81	18.80	18.80								
5	256QAM	12	13	18.88	18.88	18.88		20.5	0					
5	256QAM	25	0	18.91	18.08	18.88								
Channel														
Frequency [MHz]														
3	QPSK	1	0	18.98	18.15	18.97	20.5	0						
3	QPSK	1	8	18.74	18.84	18.83								
3	QPSK	1	14	18.85	18.17	18.87								
3	QPSK	8	0	18.88	18.84	18.83		20.5	0					
3	QPSK	8	4	18.82	18.85	18.74								
3	QPSK	8	7	18.74	18.79	18.81								
3	QPSK	16	0	18.80	18.10	18.90		20.5	0					
3	16QAM	1	0	18.72	18.94	18.82								
3	16QAM	1	8	18.86	18.81	18.87								
3	16QAM	1	14	18.85	18.81	18.90		20.5	0					
3	16QAM	8	0	18.81	18.88	18.75								
3	16QAM	8	4	18.79	18.91	18.90								
3	16QAM	8	7	18.95	18.87	18.91		20.5	0					
3	16QAM	16	0	18.88	18.71	18.72								
3	16QAM	1	0	18.80	18.18	18.81		20.5	0					
3	16QAM	1	8	18.91	18.01	18.93								
3	16QAM	1	14	18.72	18.88	18.80								
3	16QAM	8	0	18.90	18.86	18.89		20.5	0					
3	16QAM	8	4	18.95	18.96	18.81								
3	16QAM	8	7	18.85	18.81	18.91								
3	16QAM	16	0	18.82	18.01	18.77		20.5	0					
3	16QAM	1	0	18.78	18.94	18.85								
3	256QAM	1	8	18.84	18.88	18.85								
3	256QAM	8	0	18.88	18.06	18.90		20.5	0					
3	256QAM	8	4	18.91	18.90	18.92								
3	256QAM	8	7	18.72	18.85	18.75								
3	256QAM	16	0	18.87	18.02	18.88		20.5	0					
3	256QAM	1	0	18.80	18.88	18.84								
3	256QAM	1	3	18.88	18.87	18.84								
3	256QAM	1	5	18.85	18.10	18.75		20.5	0					
3	256QAM	1	14	18.85	18.84	18.83								
3	256QAM	1	14	18.72	18.88	18.80								
3	256QAM	3	0	18.77	18.79	18.75		20.5	0					
3	256QAM	3	1	18.87	18.11	18.90								
3	256QAM	3	1	18.88	18.86	18.85								
3	256QAM	3	1	18.85	18.02	18.85		20.5	0					
3	256QAM	1	0	18.72	18.08	18.74								
3	256QAM	3	0	18.85	18.01	18.76								
3	256QAM	1	5	18.85	18.80	18.85		20.5	0					
3	256QAM	3	0	18.98	18.08	18.98								
3	256QAM	3	1	18.88	18.04	18.82								
3	256QAM	3	1	18.77	18.09	18.74		20.5	0					
3	256QAM	6	0	18.88	18.04	18.70								

Band 12 Ant1 DS15										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up [mW]	MPE [dB]		
Channel										
Frequency [MHz]										
10	QPSK	1	0	20.28	20.41	20.34	21.5	0		
10	QPSK	1	25	20.25	20.21	20.28				
10	QPSK	1	40	20.38	20.08	20.28				
10	QPSK	25	0	20.24	20.24	20.24	21.5	0		
10	QPSK	25	25	20.13	20.03	20.17				
10	QPSK	25	50	20.22	20.24	20.24				
10	HQAM	1	25	20.23	19.98	20.25	21.5	0		
10	HQAM	1	50	20.27	20.03	20.17				
10	HQAM	1	75	20.13	20.17	20.20				
10	HQAM	25	0	20.38	19.90	20.15	21.5	0		
10	HQAM	25	25	20.22	20.03	20.25				
10	HQAM	25	50	20.16	20.10	20.90				
10	HQAM	50	0	20.23	20.80	20.21	21.5	0		
10	HQAM	50	25	20.22	20.03	20.25				
10	HQAM	50	50	20.10	20.07	20.92				
10	HQAM	1	40	20.10	20.07	20.92	21.5	0		
10	HQAM	1	65	20.10	20.07	20.92				
10	HQAM	1	90	20.23	20.37	20.20				
10	HQAM	25	10	20.38	19.90	20.15	21.5	0		
10	HQAM	25	35	20.22	20.03	20.25				
10	HQAM	25	60	20.16	20.10	20.90				
10	HQAM	50	10	19.28	19.38	19.50	20.5	1		
10	HQAM	50	35	19.21	19.30	19.21				
10	HQAM	50	60	19.21	19.40	19.30				
10	HQAM	1	10	19.23	19.38	19.21	20.5	1		
10	HQAM	1	35	19.23	19.38	19.21				
10	HQAM	1	60	19.42	19.34	19.23				
Channel										
Frequency [MHz]										
5	QPSK	1	0	20.24	20.37	20.32	21.5	0		
5	QPSK	1	24	20.28	20.13	20.38				
5	QPSK	1	24	20.28	20.09	20.11				
5	QPSK	12	0	20.02	20.07	20.13	21.5	0		
5	QPSK	12	12	19.08	19.08	19.08				
5	QPSK	12	18	19.08	19.07	20.11				
5	QPSK	25	0	19.88	20.13	20.13	21.5	0		
5	QPSK	25	12	20.01	19.08	19.08				
5	QPSK	25	12	20.01	19.05	20.24				
5	HQAM	1	12	20.01	19.05	20.24	21.5	0		
5	HQAM	1	24	20.01	19.05	20.24				
5	HQAM	1	24	19.02	20.05	19.05				
5	HQAM	12	7	20.29	19.81	19.86	21.5	0		
5	HQAM	12	19	20.18	19.75	19.81				
5	HQAM	12	19	20.02	19.75	20.16				
5	HQAM	25	0	20.10	20.12	20.16	21.5	0		
5	HQAM	25	1	20.03	19.96	19.92				
5	HQAM	25	1	20.17	19.90	19.90				
5	HQAM	12	0	20.25	19.30	19.30	20.5	1		
5	HQAM	12	10	20.01	19.07	19.05				
5	HQAM	12	10	19.08	19.32	19.14				
5	HQAM	1	12	19.17	19.68	19.67	20.5	1		
5	HQAM	1	12	19.03	19.33	19.33				
5	HQAM	1	12	19.07	19.33	19.30				
5	HQAM	12	7	19.02	19.25	19.20	20.5	1		
5	HQAM	12	17	19.02	19.20	19.87				
5	HQAM	12	17	19.02	19.25	19.10				
5	HQAM	25	0	19.29	19.45	19.45	21.5	0		
5	HQAM	25	12	19.05	19.05	19.05				
5	HQAM	25	12	19.05	19.07	19.14				
Channel										
Frequency [MHz]										
3	QPSK	1	0	20.24	20.37	20.32	21.5	0		
3	QPSK	1	0	20.28	20.18	20.20				
3	QPSK	1	24	20.28	20.09	20.11				
3	QPSK	8	0	20.21	20.08	20.07	21.5	0		
3	QPSK	8	8	20.21	20.08	20.07				
3	QPSK	8	8	19.94	19.97	20.15				
3	QPSK	16	0	20.08	20.21	20.04	21.5	0		
3	QPSK	16	8	20.00	19.00	19.00				
3	QPSK	16	8	20.00	19.00	19.00				
3	HQAM	1	20	20.15	19.75	20.08	21.5	0		
3	HQAM	1	14	19.99	20.05	20.10				
3	HQAM	1	14	19.99	20.05	20.10				
3	HQAM	8	0	20.31	19.86	20.00	21.5	0		
3	HQAM	8	8	20.18	19.16	20.00				
3	HQAM	8	8	19.98	19.99	19.99				
3	HQAM	1	20	20.17	19.00	19.88	21.5	0		
3	HQAM	1	14	19.99	20.05	20.10				
3	HQAM	1	14	19.99	20.05	20.10				
3	HQAM	1	14	19.98	20.06	20.08	21.5	0		
3	HQAM	8	0	20.08	19.94	20.00				
3	HQAM	8	8	20.12	19.84	20.00				
3	HQAM	16	0	20.24	19.98	20.14	20.5	1		
3	HQAM	16	8	20.00	19.00	19.00				
3	HQAM	16	8	20.00	19.00	19.00				
3	HQAM	8	0	19.26	19.36	19.26	20.5	1		
3	HQAM	8	8	19.26	19.36	19.26				
3	HQAM	8	8	19.17	19.32	19.18				
3	HQAM	8	4	19.04	19.47	19.17	20.5	1		
3	HQAM	8	4	19.04	19.47	19.17				
3	HQAM	8	4	19.04	19.47	19.17				
3	HQAM	16	0	19.33	19.00	19.00	21.5	0		
3	HQAM	16	8	19.33	19.00	19.00				
3	HQAM	16	8	19.33	19.00	19.00				
Channel										
Frequency [MHz]										
1.4	QPSK	1	0	20.18	20.34	20.25	21.5	0		
1.4	QPSK	1	0	20.02	20.09	19.86				
1.4	QPSK	1	10	20.04	20.04	20.13				
1.4	QPSK	3	0	20.08	20.12	20.04	21.5	0		
1.4	QPSK	3	0	19.86	19.84	19.87				
1.4	QPSK	3	10	19.90	19.90	19.90				
1.4	QPSK	6	0	19.90	19.12	20.01	21.5	0		
1.4	QPSK	6	0	20.05	19.90	19.91				
1.4	QPSK	6	0	20.22	19.84	20.13				
1.4	HQAM	1	6	20.05	19.90	19.91	21.5	0		
1.4	HQAM	1	6	20.11	19.86	20.03				
1.4	HQAM	1	6	20.04	20.08	20.13				
1.4	HQAM	1	3	20.17	19.86	19.93	21.5	0		
1.4	HQAM	1	3	19.87	19.88	19.88				
1.4	HQAM	1	3	19.87	19.88	19.88				
1.4	HQAM	3	0	20.02	20.22	20.00	20.5	1		
1.4	HQAM	3	0	20.23	20.28	20.21				
1.4	HQAM	3	0	20.02	20.28	20.21				
1.4	HQAM	6	0	20.20	19.88	20.03	21.5	0		
1.4	HQAM	6	0	20.18	19.28	19.84				
1.4	HQAM	6	0	19.17	19.23	19.84				
1.4	HQAM	1	6	19.20	19.83	19.20	20.5	1		
1.4	HQAM	1	6	19.17	19.23	19.84				
1.4	HQAM	1	6	19.22	19.30	19.90				
1.4	HQAM	3	0	19.12	19.26	19.86	20.5	0		
1.4	HQAM	3	0	19.12	19.26	19.86				
1.4	HQAM	3	0	19.12	19.26	19.86				

Band 17 Ant1 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up [ms]	MPE [dB]	
Channel				700	710	711			
10	QPSK	1	0	20.12	20.30	20.10	21.5	0	
10	QPSK	1	25	19.93	20.23	20.10			
10	QPSK	1	49	19.96	20.06	20.14			
10	QPSK	25	0	19.88	20.23	19.91	21.5	0	
10	QPSK	25	12	19.83	20.12	19.91			
10	QPSK	25	25	19.82	19.92	20.02			
10	QPSK	50	0	19.93	20.02	19.92	21.5	0	
10	16QAM	1	0	19.98	20.06	20.15			
10	16QAM	1	25	19.81	20.01	20.16			
10	16QAM	1	49	20.13	20.24	19.93	21.5	0	
10	16QAM	25	0	19.88	20.08	20.07			
10	16QAM	25	12	19.91	19.95	20.10			
10	16QAM	25	25	19.96	20.28	19.95	21.5	0	
10	16QAM	50	0	19.98	20.28	20.21			
10	16QAM	1	0	19.81	19.86	20.15	21.5	0	
10	16QAM	1	25	20.06	20.06	19.92			
10	16QAM	1	49	19.87	20.07	20.05			
10	16QAM	25	0	19.14	20.02	19.12	21.5	0	
10	16QAM	25	12	20.05	20.21	19.98			
10	16QAM	25	25	19.86	20.10	20.02			
10	16QAM	50	0	19.14	19.91	20.00	20.5	1	
10	256QAM	1	0	19.19	19.22	19.16			
10	256QAM	1	25	19.92	19.20	19.26			
10	256QAM	1	49	19.93	19.02	19.12	20.5	1	
10	256QAM	25	0	19.08	19.37	19.12			
10	256QAM	25	12	19.14	19.22	19.17			
10	256QAM	25	25	19.10	19.19	19.26	20.5	1	
10	256QAM	50	0	19.07	19.05	19.18			
Channel				700.5	710	710.5			
5	QPSK	1	0	19.91	20.17	20.05	21.5	0	
5	QPSK	1	19	19.94	20.02	20.16			
5	QPSK	1	24	19.79	19.89	20.11			
5	QPSK	12	0	19.93	20.11	19.88	21.5	0	
5	QPSK	12	7	19.79	20.00	19.97			
5	QPSK	12	13	19.82	19.83	19.83			
5	QPSK	25	0	19.89	20.23	19.84	21.5	0	
5	16QAM	1	0	19.81	19.89	20.07			
5	16QAM	1	12	19.79	19.91	20.15			
5	16QAM	1	24	20.08	20.19	19.89	21.5	0	
5	16QAM	12	0	19.71	19.89	19.95			
5	16QAM	12	7	19.75	19.82	19.82			
5	16QAM	12	13	19.91	20.12	19.90	21.5	0	
5	16QAM	25	0	19.97	20.23	20.12			
5	16QAM	1	0	19.76	19.83	20.07			
5	16QAM	1	12	20.05	20.08	19.86	21.5	0	
5	16QAM	1	24	19.73	20.02	19.86			
5	16QAM	12	0	19.88	19.99	19.93			
5	16QAM	12	7	20.04	20.16	19.82	21.5	0	
5	16QAM	12	13	19.99	19.90	19.85			
5	16QAM	25	0	19.84	19.73	19.96			
5	256QAM	1	0	19.89	19.17	19.95	20.5	1	
5	256QAM	1	12	18.89	19.19	19.23			
5	256QAM	1	24	19.08	19.06	19.02			
5	256QAM	12	0	19.04	19.18	19.94	20.5	1	
5	256QAM	12	7	19.16	19.06	19.18			
5	256QAM	12	13	18.96	19.16	19.12			
5	256QAM	25	0	18.79	19.04	19.04			

Band 26 Ant1 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up [ms]	MPE [dB]	
Channel				811.5	811.5	811.5			
15	QPSK	1	0	21.25	21.23	21.25	22.5	0	
15	QPSK	1	37	21.04	21.21	20.92			
15	QPSK	1	74	21.04	21.07	21.21			
15	QPSK	36	0	21.12	21.06	21.11	22.5	0	
15	QPSK	36	20	21.08	21.09	20.89			
15	QPSK	36	36	20.91	20.98	21.18			
15	QPSK	72	0	21.24	21.22	21.22	22.5	0	
15	16QAM	1	0	20.99	21.05	20.89			
15	16QAM	1	37	20.88	20.88	21.04			
15	16QAM	1	74	21.24	21.28	21.17	22.5	0	
15	16QAM	36	0	20.92	21.23	20.89			
15	16QAM	36	20	21.06	21.05	21.11			
15	16QAM	36	36	21.08	21.24	21.17	22.5	0	
15	16QAM	72	0	21.02	21.03	20.88			
15	16QAM	1	0	21.28	21.19	21.15	22.5	0	
15	16QAM	1	37	21.28	21.19	21.15			
15	16QAM	1	74	20.87	21.18	20.92			
15	16QAM	36	0	21.23	20.27	20.25	22.5	0	
15	16QAM	36	20	20.84	21.08	20.89			
15	16QAM	36	36	20.89	21.03	21.00			
15	256QAM	1	0	19.22	19.22	19.28	20.5	2	
15	256QAM	1	37	19.22	19.22	19.28			
15	256QAM	1	74	19.99	19.90	19.94			
15	256QAM	36	0	19.11	19.08	19.27	20.5	2	
15	256QAM	36	20	19.34	19.24	19.17			
15	256QAM	36	36	19.10	19.12	19.94			
15	256QAM	72	0	19.12	19.19	19.14			
Channel				811.5	811.5	811.5	Time-up [ms]	MPE [dB]	
10	QPSK	1	0	21.19	21.21	21.19	22.5	0	
10	QPSK	1	37	21.06	21.03	20.78			
10	QPSK	1	49	20.82	20.95	21.07			
10	QPSK	25	0	21.08	21.17	20.95	22.5	0	
10	QPSK	25	12	20.92	20.91	20.74			
10	QPSK	25	25	20.79	20.90	21.11			
10	QPSK	50	0	21.06	21.21	21.04	22.5	0	
10	16QAM	1	0	20.99	20.97	20.97			
10	16QAM	1	25	20.71	20.68	21.01			
10	16QAM	1	49	21.14	21.17	21.13	22.5	0	
10	16QAM	25	0	20.87	21.20	20.84			
10	16QAM	25	12	20.91	20.94	20.93			
10	16QAM	25	25	20.86	21.24	21.08	22.5	0	
10	16QAM	50	0	20.98	20.85	20.79			
10	16QAM	1	0	20.80	21.02	21.14			
10	16QAM	1	25	21.10	21.14	20.91	22.5	0	
10	16QAM	1	49	20.68	21.11	20.89			
10	16QAM	25	0	21.11	21.15	21.11			
10	16QAM	25	12	20.81	20.94	20.96	22.5	0	
10	16QAM	25	25	20.68	20.95	20.95			
10	16QAM	50	0	20.91	20.71	21.06			
10	256QAM	1	0	19.15	19.16	19.14	20.5	2	
10	256QAM	1	25	19.18	19.16	19.09			
10	256QAM	1	49	19.00	19.26	19.14			
10	256QAM	25	0	19.13	19.05	19.25	20.5	2	
10	256QAM	25	12	19.28	19.18	19.00			
10	256QAM	25	25	19.04	19.04	19.00			
10	256QAM	50	0	19.02	19.08	19.02			
Channel				2071.5	2071.5	2071.5	Time-up [ms]	MPE [dB]	
15	QPSK	1	0	21.15	21.15	21.15	22.5	0	
15	QPSK	1	12	20.85	21.21	20.89			
15	QPSK	1	24	20.93	21.08	21.15			
15	QPSK	12	0	21.06	21.19	20.89	22.5	0	
15	QPSK	12	7	20.98	20.96	20.75			
15	QPSK	12	13	20.72	20.78	21.01			
15	QPSK	36	0	21.14	21.06	21.11	22.5	0	
15	QPSK	36	20	21.09	21.09	20.89			
15	QPSK	36	36	20.92	20.92	21.04			
15	QPSK	72	0	21.22	21.22	21.22	22.5	0	
15	16QAM	1	0	20.99	21.05	20.89			
15	16QAM	1	37	20.88	20.88	21.04			
15	16QAM	1	74	21.24	21.28	21.17	22.5	0	
15	16QAM	36	0	20.92	21.23	20.89			
15	16QAM	36	20	21.06	21.05	21.11			
15	16QAM	36	36	21.08	21.24	21.17	22.5	0	
15	16QAM	72	0	21.02	21.03	20.88			
15	16QAM	1	0	21.28	21.19	21.15	22.5	0	
15	16QAM	1	37	21.28	21.19	21.15			
15	16QAM	1	74	20.87	21.18	20.92			
15	16QAM	36	0	21.23	20.27	20.25	22.5	0	
15	16QAM	36	20	20.84	21.08	20.89			
15	16QAM	36	36	20.89	21.03	21.00			
15	256QAM	1	0	19.22	19.22	19.28	20.5	2	
15	256QAM	1	37	19.22	19.22	19.28			
15	256QAM	1	74	19.99	19.90	19.94			
15	256QAM	36	0	19.11	19.08	19.27	20.5	2	
15	256QAM	36	20	19.34	19.24	19.17			
15	256QAM	36	36	19.10	19.12	19.94			
15	256QAM	72	0	19.12	19.19	19.14			
Channel				811.5	811.5	811.5	Time-up [ms]	MPE [dB]	
10	QPSK	1	0	21.19	21.21	21.19	22.5	0	
10	QPSK	1	37	21.06	21.03	20.78			
10	QPSK	1	49	20.82	20.95	21.07			
10	QPSK	25	0	21.08	21.17	20.95	22.5	0	
10	QPSK	25	12	20.92	20.91	20.74			
10	QPSK	25	25	20.79	20.90	21.11			
10	QPSK	50	0	21.06	21.21	21.04	22.5	0	
10	16QAM	1	0	20.99	20.97	20.97			
10	16QAM	1	25	20.71	20.68	21.01			
10	16QAM	1	49	21.14	21.17	21.13	22.5	0	
10	16QAM	25	0	20.87	21.20	20.84			
10	16QAM	25	12	20.91	20.94	20.93			
10	16QAM	25	25	20.86	21.24	21.08	22.5	0	
10	16QAM	50	0	20.98	20.85	20.79			
10	16QAM	1	0	20.80	21.02	21.14			
10	16QAM	1	25	21.10	21.14	20.91	22.5	0	
10	16QAM	1	49	20.68	21.11	20.89			
10	16QAM	25	0	21.11	21.15	21.11			
10	16QAM	25	12	20.81	20.94	20.96	22.5	0	
10	16QAM	25	25	20.68	20.95	20.95			
10	16QAM	50	0	20.91	20.71	21.06			
10	256QAM	1	0	19.15	19.16	19.14	20.5	2	
10	256QAM	1	25	19.18	19.16	19.09			
10	256QAM	1	49	19.00	19.26	19.14			
10	256QAM	25	0	19.13	19.05	19.25	20.5	2	
10	256QAM	25	12	19.28	19.18	19.00			
10	256QAM	25	25	19.04	19.04	19.00			
10	256QAM	50	0	19.02	19.08	19.02			
Channel				2071.5	2071.5	2071.5	Time-up [ms]	MPE [dB]	
15	QPSK	1	0	21.15	21.15	21.15	22.5	0	
15	QPSK	1	12	20.85	21.21	20.89			
15	QPSK	1	24	20.93	21.08	21.15			
15	QPSK	12	0	21.06	21.19	20.89	22.5	0	
15	QPSK	12	7	20.98	20.96	20.75			
15	QPSK	12	13	20.72	20.78	21.01			
15	QPSK	36	0	21.14	21.06	21.11	22.5	0	
15	QPSK	36	20	21.09	21.09	20.89			
15	QPSK	36	36	20.92	20.92	21.04			
15	QPSK	72	0	21.22	21.22	21.22	22.5	0	
15	16QAM	1	0	20.99	21.05	20.89			
15	16QAM	1	37	20.88	20.88	21.04			
15	16QAM	1	74	21.24	21.28	21.17	22.5	0	
15	16QAM	36	0	20.92	21.23	20.89			
15	16QAM	36	20	21.06	21.05	21.11			
15	16QAM	36	36	21.08	21.24	21.17	22.5	0	
15	16QAM	72	0	21.02	21.03	20.88			
15	16QAM	1	0	21.28	21.19	21.15	22.5	0	
15	16QAM	1	37	21.28	21.19	21.15			
15	16QAM	1	74	20.87	21.18	20.92			
15	16QAM	36	0	21.23	20.27	20.25	22.5	0	
15	16QAM	36	20	20.84	21.08	20.89			
15	16QAM	36	36	20.89	21.03	21.00			
15	256QAM	1	0	19.22	19.22	19.28	20.5	2	
15	256QAM	1	37	19.22	19.22	19.28			
15	256QAM	1	74	19.99	19.90	19.94			
15	256QAM	36	0	19.11	19.08	19.27	20.5	2	
15	256QAM	36	20	19.34	19.24	19.17			
15	256QAM	36	36	19.10	19.12	19.94			
15	256QAM	72	0	19.12	19.19	19.14			
Channel				814.7	814.7	844.3	Time-up [ms]	MPE [dB]	
14	QPSK	1	0	21.14	21.20	21.21	22.5	0	
14	QPSK	1	3	20.93	21.17	20.84			
14	QPSK	1	6	20.90	21.08	21.01			
14	QPSK	3	0	21.07	21.05	20.94	22.5	0	
14	QPSK	3	3	20.86	21.04	20.81			
14	QPSK	3	6	20.80	20.94	21.05			
14	QPSK	6	0	21.21	21.20	21.21	22.5	0	
14	QPSK	6	3	21.02	21.03	20.98			
14	QPSK	6	6	20.85	20.75	20.88			
14	QPSK	1	0	21.06	21.19	21.12	22.5	0	
14	QPSK	1	3	20.89	21.07	21.01			
14	QPSK	1	6	20.88	21.12	21.12			
14	QPSK	3	0	21.06	21.12	21.08	22.5	0	
14	QPSK	3	3	20.86	21.06	21.02			
14	QPSK	3	6	20.86	21.10	21.10			
14	QPSK	6	0	21.06	21.15	21.04	22.5	0	
14	QPSK	6	3	21.21	21.00	21.14			
14	QPSK	6	6	21.00	20.93	20.93			
14	QPSK	1	0	20.79	21.01	20.80	22.5	0	
14	QPSK	1	3	20.86	20.69	21.06			
14	QPSK	1	6	20.89	20.89	21.06			
14	QPSK	3	0	21.05	21.				



Band 38 Ant3 DSI5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq. (MHz)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.98	21.35	20.95		22.5	0			
20	QPSK	1	49	20.91	21.09	21.31						
20	QPSK	1	99	21.08	21.16	21.01						
20	QPSK	50	0	20.85	21.27	20.88		22.5	0			
20	QPSK	50	24	20.90	20.96	21.13						
20	QPSK	50	50	20.85	21.15	20.78						
20	HQAM	1	0	20.93	21.21	20.97		22.5	0			
20	HQAM	1	49	20.88	20.92	21.17						
20	HQAM	1	99	20.97	21.15	20.85						
20	HQAM	50	0	20.91	20.96	21.04		22.5	0			
20	HQAM	50	24	20.88	20.95	20.98						
20	HQAM	50	50	20.90	21.04	20.93						
20	HQAM	100	0	20.79	20.91	21.20		22.5	0			
20	HQAM	1	0	20.88	21.20	20.78						
20	HQAM	1	49	20.81	20.92	21.13		22.5	0			
20	HQAM	1	99	20.94	20.99	20.92						
20	HQAM	50	0	20.89	21.02	20.79						
20	HQAM	50	24	20.90	21.10	21.20		22.5	0			
20	HQAM	50	50	20.89	21.18	20.93						
20	HQAM	100	0	20.90	20.95	20.87						
20	SSQAM	1	0	18.92	19.37	18.95		20.5	2			
20	SSQAM	1	49	18.92	19.12	19.25						
20	SSQAM	1	99	19.08	19.11	18.91						
20	SSQAM	50	0	18.93	19.41	18.94		20.5	2			
20	SSQAM	50	24	18.95	19.21	18.92						
20	SSQAM	50	50	18.90	19.27	18.98						
20	SSQAM	100	0	18.95	19.19	18.94		20.5	2			
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.87	21.13	20.88				22.5	0	
15	QPSK	1	39	20.78	20.95	21.14						
15	QPSK	1	74	21.07	21.11	20.81						
15	QPSK	36	0	20.88	20.98	20.88		22.5	0			
15	QPSK	36	20	20.87	21.18	20.98						
15	QPSK	36	39	20.82	21.20	20.83						
15	QPSK	36	74	20.80	21.02	20.79		22.5	0			
15	HQAM	1	0	20.89	21.20	20.78						
15	HQAM	1	39	20.87	21.15	21.07						
15	HQAM	1	74	21.00	21.18	21.01		22.5	0			
15	HQAM	36	0	20.74	20.91	21.20						
15	HQAM	36	20	20.84	21.06	21.02						
15	HQAM	36	39	20.77	21.22	20.87		22.5	0			
15	HQAM	75	0	20.70	20.74	21.07						
15	HQAM	1	0	20.80	21.00	20.81		22.5	0			
15	HQAM	1	37	20.71	20.71	21.11						
15	HQAM	1	39	20.74	20.65	20.85						
15	HQAM	36	0	20.85	21.18	20.92		22.5	0			
15	HQAM	36	20	20.85	20.93	21.10						
15	HQAM	36	39	20.93	21.07	20.80						
15	HQAM	75	0	20.73	20.81	20.84		20.5	2			
15	SSQAM	1	0	18.92	19.22	18.94						
15	SSQAM	1	74	18.97	19.17	18.85						
15	SSQAM	36	0	18.87	19.25	18.81		20.5	2			
15	SSQAM	36	20	18.92	19.21	19.25						
15	SSQAM	36	39	18.90	19.15	18.87						
15	SSQAM	75	0	18.98	19.17	18.91		20.5	2			
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.94	21.14	20.74		22.5	0			
10	QPSK	1	25	20.72	20.97	21.20						
10	QPSK	1	50	20.90	21.04	20.83						
10	QPSK	25	0	20.80	21.06	21.17		22.5	0			
10	QPSK	25	12	20.92	21.00	20.86						
10	QPSK	25	25	20.74	21.07	20.78						
10	QPSK	50	0	20.81	20.97	20.71		22.5	0			
10	HQAM	1	0	20.71	21.06	20.80						
10	HQAM	1	25	20.71	20.85	20.98						
10	HQAM	1	49	20.89	21.02	20.79		22.5	0			
10	HQAM	25	0	20.86	21.06	21.17						
10	HQAM	25	12	20.95	21.05	20.79						
10	HQAM	50	0	20.85	21.08	20.82		22.5	0			
10	HQAM	50	25	20.77	20.71	21.04						
10	HQAM	1	0	20.85	21.01	21.12		22.5	0			
10	HQAM	1	25	20.94	20.97	20.95						
10	HQAM	1	49	20.84	21.25	20.87						
10	HQAM	25	0	20.78	21.00	21.15		22.5	0			
10	HQAM	25	12	20.93	21.09	20.86						
10	HQAM	25	25	20.85	21.10	20.88						
10	HQAM	50	0	20.69	20.75	20.69		20.5	2			
10	SSQAM	1	0	19.03	19.00	19.33						
10	SSQAM	1	25	19.10	19.25	18.94						
10	SSQAM	1	49	19.07	19.13	18.85		20.5	2			
10	SSQAM	25	0	19.03	19.22	19.37						
10	SSQAM	25	12	19.09	19.26	18.96						
10	SSQAM	25	25	19.05	19.02	18.92		20.5	2			
10	SSQAM	50	0	19.08	19.19	18.79						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.89	20.94	21.13		22.5	0			
5	QPSK	1	12	20.93	21.12	20.79						
5	QPSK	1	24	20.80	20.79	20.70						
5	QPSK	12	0	20.89	20.95	21.01		22.5	0			
5	QPSK	12	6	20.91	21.15	20.94						
5	QPSK	12	13	20.81	21.21	20.83						
5	QPSK	25	0	20.70	21.16	20.85		22.5	0			
5	HQAM	1	0	20.78	20.91	21.26						
5	HQAM	1	12	20.90	20.99	20.85						
5	HQAM	1	24	20.82	21.08	20.79		22.5	0			
5	HQAM	12	0	20.78	20.97	21.09						
5	HQAM	12	7	20.89	20.75	20.80						
5	HQAM	12	13	20.70	21.23	20.82		22.5	0			
5	HQAM	25	0	20.72	20.81	21.17						
5	HQAM	1	0	20.71	21.11	20.81		22.5	0			
5	HQAM	1	12	20.84	20.92	21.03						
5	HQAM	1	24	20.80	20.85	20.87						
5	HQAM	12	0	20.76	20.89	21.15		22.5	0			
5	HQAM	12	7	21.01	21.03	20.93						
5	HQAM	12	13	20.72	21.16	20.87						
5	HQAM	25	0	20.70	20.78	20.87		20.5	2			
5	SSQAM	1	0	18.73	19.20	18.92						
5	SSQAM	1	12	18.76	19.01	19.17						
5	SSQAM	1	24	19.01	19.12	18.60		20.5	2			
5	SSQAM	12	0	18.73	19.22	18.92						
5	SSQAM	12	7	18.95	19.07	19.23						
5	SSQAM	12	13	19.00	19.20	18.97		20.5	2			
5	SSQAM	25	0	18.93	19.07	18.91						

Band 41 Ant3 DSI5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq (MHz)	MPR (dB)	
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.07	21.20	21.40	21.18	21.07			22.5	0
20	QPSK	1	49	21.20	21.03	21.10	21.04	21.21				
20	QPSK	1	99	20.98	21.17	21.14	21.02	20.95				
20	QPSK	50	0	20.96	21.11	21.30	21.04	20.88			22.5	0
20	QPSK	50	24	21.10	21.01	20.86	20.90	21.23				
20	QPSK	100	0	20.96	21.12	21.30	21.10	20.94			22.5	0
20	QPSK	100	24	21.10	20.86	20.86	21.02	21.02				
20	QPSK	1	49	20.87	21.09	21.03	20.91	20.87			22.5	0
20	QPSK	1	99	20.86	21.05	21.27	21.11	20.93				
20	QPSK	1	149	20.85	21.10	21.23	21.07	20.90			22.5	0
20	QPSK	50	24	21.22	20.87	20.88	20.91	21.00				
20	QPSK	100	0	21.08	21.10	21.23	21.07	20.90			22.5	0
20	QPSK	100	24	21.15	20.84	21.05	20.97	21.15				
20	QPSK	1	49	20.79	21.08	21.04	20.89	20.79			22.5	0
20	QPSK	1	99	21.04	20.80	21.10	20.87	21.08				
20	QPSK	50	0	21.08	21.17	21.30	21.06	20.86			22.5	0
20	QPSK	50	24	21.09	21.02	21.10	21.00	20.90				
20	QPSK	100	0	20.96	21.02	21.10	21.00	20.96			22.5	0
20	QPSK	100	24	21.10	20.86	20.86	21.02	21.02				
20	256QAM	1	0	19.10	19.32	19.38	19.17	19.13			20.5	2
20	256QAM	1	49	19.18	18.93	19.12	18.99	19.33				
20	256QAM	1	99	19.15	19.12	19.12	19.08	19.08			20.5	2
20	256QAM	50	0	18.87	19.30	19.42	19.28	18.98				
20	256QAM	50	24	19.30	19.07	19.10	19.22	19.35			20.5	2
20	256QAM	100	0	19.13	19.05	19.21	19.04	19.29				
20	256QAM	100	24	19.07	19.18	19.12	19.02	19.08				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.615	20.613	20.613	20.615	20.613			22.5	0
20	QPSK	1	49	20.615	20.583	20.583	20.602	20.615				
20	QPSK	1	99	20.583	21.00	21.00	21.00	20.583				
20	QPSK	1	149	20.583	21.00	21.00	21.00	20.583			22.5	0
20	QPSK	50	0	20.583	20.59	21.00	20.59	20.74				
20	QPSK	50	24	21.00	20.59	20.59	20.74	21.00			22.5	0
20	QPSK	100	0	20.583	20.59	20.58	20.59	20.85				
20	QPSK	100	24	20.86	20.59	21.13	20.94	20.78			22.5	0
20	QPSK	1	49	20.87	21.06	21.13	21.07	20.87				
20	QPSK	1	99	21.18	20.88	21.03	20.88	21.13			22.5	0
20	QPSK	1	149	20.87	21.07	21.13	21.07	20.87				
20	QPSK	50	0	20.85	20.99	21.03	20.90	21.03			22.5	0
20	QPSK	50	24	21.18	20.70	20.70	20.85	21.18				
20	QPSK	100	0	20.86	21.11	20.87	20.83	20.78			22.5	0
20	QPSK	100	24	21.00	20.86	20.86	20.83	21.00				
20	QPSK	1	49	20.88	21.09	20.89	20.83	21.09			22.5	0
20	QPSK	1	99	20.88	21.06	21.06	20.88	21.06				
20	QPSK	50	0	20.90	20.95	21.14	21.00	20.90			22.5	0
20	QPSK	50	24	21.14	20.90	20.90	21.14	21.14				
20	QPSK	100	0	21.07	21.08	21.22	21.07	20.77			22.5	0
20	QPSK	100	24	20.94	20.82	21.07	20.86	21.01				
20	QPSK	1	49	20.83	21.08	21.08	20.83	21.08			22.5	0
20	QPSK	1	99	21.07	21.06	21.07	20.98	21.07				
20	QPSK	50	0	20.78	21.06	20.97	20.86	20.78			22.5	0
20	QPSK	50	24	21.08	20.87	20.87	21.08	21.08				
20	QPSK	100	0	20.78	21.06	20.97	20.86	20.78			22.5	0
20	QPSK	100	24	21.08	20.87	20.87	21.08	21.08				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.24	21.08	21.08	21.04	21.21			22.5	0
20	QPSK	1	26	20.90	21.13	21.06	21.07	20.81				
20	QPSK	1	52	20.90	21.11	21.14	21.07	21.04				
20	QPSK	25	0	21.14	20.89	21.07	20.89	21.18			22.5	0
20	QPSK	25	12	20.87	21.09	20.94	20.84	20.86				
20	QPSK	50	0	20.86	20.93	21.14	21.07	20.86			22.5	0
20	QPSK	50	12	21.08	20.80	20.80	20.94	21.00				
20	QPSK	100	0	21.18	20.81	21.00	20.81	21.18			22.5	0
20	QPSK	100	12	21.00	21.08	21.03	20.87	21.03				
20	QPSK	1	49	20.93	21.04	20.80	20.92	21.12			22.5	0
20	QPSK	1	99	20.97	21.01	20.86	20.94	21.19				
20	QPSK	1	149	20.89	21.00	21.00	21.19	21.03			22.5	0
20	QPSK	50	0	20.79	21.03	21.10	20.91	20.89				
20	QPSK	50	12	21.08	21.13	21.10	21.07	20.85			22.5	0
20	QPSK	100	0	20.97	20.83	21.08	20.87	20.89				
20	QPSK	100	12	20.77	20.83	20.83	20.87	20.89			20.5	2
20	256QAM	1	0	18.82	19.10	19.27	19.28	18.80				
20	256QAM	1	26	18.86	19.16	19.26	19.18	19.20			20.5	2
20	256QAM	1	52	19.08	19.08	19.16	19.16	19.02				
20	256QAM	25	0	18.87	19.31	19.30	19.16	18.80			20.5	2
20	256QAM	25	12	19.30	18.87	18.87	19.30	19.30				
20	256QAM	50	0	19.12	18.85	19.14	18.94	19.00			20.5	2
20	256QAM	50	12	19.11	18.97	19.23	18.88	19.00				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.615	20.615	20.615	20.602	20.615			22.5	0
20	QPSK	1	26	20.615	21.18	21.18	20.583	20.615				
20	QPSK	1	52	20.583	21.04	21.12	21.08	20.79				
20	QPSK	12	0	21.06	21.04	21.04	21.06	21.06			22.5	0
20	QPSK	12	7	20.79	21.16	21.14	21.01	20.85				
20	QPSK	12	13	20.82	20.95	21.15	21.00	20.83			22.5	0
20	QPSK	12	19	20.79	21.19	21.19	21.03	20.87				
20	QPSK	1	0	21.17	20.82	21.10	20.80	21.10			22.5	0
20	QPSK	1	26	20.86	21.18	21.18	20.86	21.18				
20	QPSK	1	52	20.88	20.94	21.25	20.96	20.80			22.5	0
20	QPSK	12	0	21.17	20.85	20.85	20.83	21.18				
20	QPSK	12	7	20.89	21.08	21.12	21.02	20.83			22.5	0
20	QPSK	12	13	20.89	20.93	21.04	21.01	20.83				
20	QPSK	12	19	21.11	20.88	21.17	21.07	21.06			22.5	0
20	QPSK	1	0	20.86	20.91	21.07	21.07	20.86				
20	QPSK	1	12	20.87	20.96	21.08	20.81	20.86			22.5	0
20	QPSK	1	26	20.83	21.07	21.08	21.08	20.83				
20	QPSK	12	0	20.84	21.02	21.17	20.80	20.81			22.5	0
20	QPSK	12	7	20.93	20.94	20.80	20.85	21.14				
20	QPSK	12	13	20.74	20.95	20.95	20.97	20.79			22.5	0
20	QPSK	12	19	20.80	20.93	20.84	20.84	20.80				
20	QPSK	25	0	20.86	20.86	19.26	20.86	20.86			20.5	2
20	256QAM	1	0	19.05	19.24	19.25	19.05	19.11				
20	256QAM	1	26	19.13	19.07	19.10	18.92	19.03			20.5	2
20	256QAM	1	52	18.76	19.12	19.16	19.20	18.76				
20	256QAM	12	0	18.85	19.07	19.20	19.17	18.90			20.5	2
20	256QAM	12	13	19.12	18.80	19.14	19.02	19.15				
20	256QAM	12	19	19.07	18.98	19.08	19.08	18.98				

Band 2 Ant4 D515									
Ref Band	Modulation	Ref ID	Ref Offset	Power C/N ₀ (dB) Frequency (MHz)	Power C/N ₀ (dB) Frequency (MHz)	Power C/N ₀ (dB) Frequency (MHz)	Turnup rate (dB/s)	MPR (dB)	
20	QPSK	1	0	15.65	15.62	15.68			
20	QPSK	1	49	15.57	15.71	15.61			
20	QPSK	1	99	15.69	15.52	15.77			
20	QPSK	50	0	15.81	15.77	15.85			
20	QPSK	50	49	15.72	15.86	15.82			17
20	QPSK	50	99	15.68	15.42	15.93			
20	QPSK	100	0	15.82	15.70	15.89			
20	QPSK	100	49	15.73	15.84	15.84			
20	HQPSK	1	49	15.58	15.33	15.38			17
20	HQPSK	1	99	15.69	15.52	15.41			
20	HQPSK	50	56	15.68	15.52	15.41			
20	HQPSK	50	24	15.56	15.67	15.62			
20	HQPSK	50	99	15.77	15.42	15.43			
20	HQPSK	100	56	15.68	15.52	15.41			
20	HQPSK	1	0	15.46	15.62	15.39			
20	HQPSK	1	49	15.74	15.43	15.39			
20	HQPSK	1	99	15.67	15.52	15.41			
20	HQPSK	50	0	15.55	15.32	15.47			
20	HQPSK	50	49	15.72	15.81	15.72			17
20	HQPSK	50	99	15.61	15.57	15.39			
20	HQPSK	100	0	15.67	15.71	15.47			
20	HQPSK	100	49	15.73	15.84	15.84			
20	28QAM	1	49	15.58	15.70	15.59			17
20	28QAM	1	99	15.53	15.68	15.49			
20	28QAM	50	56	15.68	15.52	15.41			
20	28QAM	50	24	15.55	15.51	15.54			17
20	28QAM	50	99	15.68	15.50	15.33			
20	28QAM	100	56	15.68	15.50	15.33			
Channel				156515	156605	156120	Turnup rate (dB/s)	MPR (dB)	
Frequency (MHz)				15.62	15.69	15.63			
15	QPSK	1	37	15.37	15.55	15.43			17
15	QPSK	1	74	15.77	15.39	15.42			
15	QPSK	1	111	15.44	15.42	15.41			
15	QPSK	36	20	15.70	15.49	15.38			
15	QPSK	36	56	15.47	15.50	15.32			
15	QPSK	36	92	15.48	15.35	15.62			
15	HQPSK	1	0	15.33	15.52	15.54			
15	HQPSK	1	37	15.53	15.37	15.43			17
15	HQPSK	1	74	15.63	15.43	15.43			
15	HQPSK	36	0	15.38	15.51	15.49			
15	HQPSK	36	36	15.58	15.38	15.32			17
15	HQPSK	36	56	15.65	15.38	15.32			
15	HQPSK	75	0	15.39	15.58	15.50			
15	HQPSK	75	36	15.51	15.31	15.52			
15	HQPSK	1	37	15.51	15.27	15.55			17
15	HQPSK	1	74	15.52	15.44	15.44			
15	HQPSK	36	92	15.48	15.34	15.41			
15	HQPSK	36	20	15.56	15.17	15.43			17
15	HQPSK	75	36	15.53	15.39	15.33			
15	28QAM	1	0	15.64	15.38	15.20			
15	28QAM	1	37	15.30	15.51	15.39			17
15	28QAM	1	74	15.38	15.57				
15	28QAM	36	0	15.39	15.58	15.50			
15	28QAM	36	36	15.51	15.31	15.52			
15	28QAM	36	56	15.61	15.31	15.52			
15	28QAM	75	0	15.66	15.28	15.47			17
15	28QAM	75	36	15.66	15.28	15.47			
Channel				156515	156605	156120	Turnup rate (dB/s)	MPR (dB)	
Frequency (MHz)				15.62	15.69	15.63			
5	QPSK	1	0	15.66	15.71	15.69			
5	QPSK	1	12	15.48	15.65	15.52			
5	QPSK	12	24	15.37	15.55	15.42			
5	QPSK	12	36	15.37	15.55	15.42			
5	QPSK	12	48	15.77	15.42	15.42			
5	QPSK	12	60	15.72	15.42	15.42			
5	QPSK	25	0	15.44	15.65	15.65			
5	HQPSK	1	0	15.29	15.58	15.52			17
5	HQPSK	1	12	15.30	15.29	15.30			
5	HQPSK	1	24	15.60	15.48	15.29			
5	HQPSK	12	0	15.25	15.43	15.31			
5	HQPSK	12	12	15.42	15.48	15.48			
5	HQPSK	12	36	15.42	15.48	15.48			
5	HQPSK	12	60	15.42	15.48	15.48			
5	HQPSK	25	0	15.42	15.30	15.45			
5	HQPSK	25	12	15.44	15.30	15.45			17
5	HQPSK	25	24	15.44	15.30	15.45			
5	HQPSK	25	36	15.44	15.30	15.45			
5	HQPSK	25	48	15.44	15.30	15.45			
5	HQPSK	25	60	15.44	15.30	15.45			
5	HQPSK	12	0	15.52	15.54	15.50			
5	HQPSK	12	7	15.53	15.36	15.48			
5	HQPSK	12	19	15.53	15.36	15.48			
5	HQPSK	12	31	15.53	15.36	15.48			
5	HQPSK	12	43	15.53	15.36	15.48			
5	HQPSK	12	55	15.53	15.36	15.48			
5	HQPSK	12	67	15.53	15.36	15.48			
5	HQPSK	12	79	15.53	15.36	15.48			
5	HQPSK	12	91	15.53	15.36	15.48			
5	HQPSK	12	103	15.53	15.36	15.48			
5	HQPSK	12	115	15.53	15.36	15.48			
5	HQPSK	12	127	15.53	15.36	15.48			
5	HQPSK	12	139	15.53	15.36	15.48			
5	HQPSK	12	151	15.53	15.36	15.48			
5	HQPSK	12	163	15.53	15.36	15.48			
5	HQPSK	12	175	15.53	15.36	15.48			
5	HQPSK	12	187	15.53	15.36	15.48			
5	HQPSK	12	199	15.53	15.36	15.48			
5	HQPSK	12	211	15.53	15.36	15.48			
5	HQPSK	12	223	15.53	15.36	15.48			
5	HQPSK	12	235	15.53	15.36	15.48			
5	HQPSK	12	247	15.53	15.36	15.48			
5	HQPSK	12	259	15.53	15.36	15.48			
5	HQPSK	12	271	15.53	15.36	15.48			
5	HQPSK	12	283	15.53	15.36	15.48			
5	HQPSK	12	295	15.53	15.36	15.48			
5	HQPSK	12	307	15.53	15.36	15.48			
5	HQPSK	12	319	15.53	15.36	15.48			
5	HQPSK	12	331	15.53	15.36	15.48			
5	HQPSK	12	343	15.53	15.36	15.48			
5	HQPSK	12	355	15.53	15.36	15.48			
5	HQPSK	12	367	15.53	15.36	15.48			
5	HQPSK	12	379	15.53	15.36	15.48			
5	HQPSK	12	391	15.53	15.36	15.48			
5	HQPSK	12	403	15.53	15.36	15.48			
5	HQPSK	12	415	15.53	15.36	15.48			
5	HQPSK	12	427	15.53	15.36	15.48			
5	HQPSK	12	439	15.53	15.36	15.48			
5	HQPSK	12	451	15.53	15.36	15.48			
5	HQPSK	12	463	15.53	15.36	15.48			
5	HQPSK	12	475	15.53	15.36	15.48			
5	HQPSK	12	487	15.53	15.36	15.48			
5	HQPSK	12	499	15.53	15.36	15.48			
5	HQPSK	12	511	15.53	15.36	15.48			
5	HQPSK	12	523	15.53	15.36	15.48			
5	HQPSK	12	535	15.53	15.36	15.48			
5	HQPSK	12	547	15.53	15.36	15.48			
5	HQPSK	12	559	15.53	15.36	15.48			
5	HQPSK	12	571	15.53	15.36	15.48			
5	HQPSK	12	583	15.53	15.36	15.48			
5	HQPSK	12	595	15.53	15.36	15.48			
5	HQPSK	12	607	15.53	15.36	15.48			
5	HQPSK	12	619	15.53	15.36	15.48			
5	HQPSK	12	631	15.53	15.36	15.48			
5	HQPSK	12	643	15.53	15.36	15.48			
5	HQPSK	12	655	15.53	15.36	15.48			
5	HQPSK	12	667	15.53	15.36	15.48			
5	HQPSK	12	679	15.53	15.36	15.48			
5	HQPSK	12	691	15.53	15.36	15.48			
5	HQPSK	12	703	15.53	15.36	15.48			
5	HQPSK	12	715	15.53	15.36	15.48			
5	HQPSK	12	727	15.53	15.36	15.48			
5	HQPSK	12	739	15.53	15.36	15.48			
5	HQPSK	12	751	15.53	15.36	15.48			
5	HQPSK	12	763	15.53	15.36	15.48			
5	HQPSK	12	775	15.53	15.36	15.48			
5	HQPSK	12	787	15.53	15.36	15.48			
5	HQPSK	12	799	15.53	15.36	15.48			
5	HQPSK	12	811	15.53	15.36	15.48			
5	HQPSK	12	823	15.53	15.36	15.48			
5	HQPSK	12	835	15.53	15.36	15.48			
5	HQPSK	12	847	15.53	15.36	15.48			
5	HQPSK	12	859	15.53	15.36	15.48			
5	HQPSK	12	871	15.53	15.36	15.48			
5	HQPSK	12	883	15.53	15.36	15.48			
5	HQPSK	12	895	15.53	15.36	15.48			
5	HQPSK	12	907	15.53	15.36	15.48			
5	HQPSK	12	919	15.53	15.36	15.48			
5	HQPSK	12	931	15.53	15.36	15.48			
5	HQPSK	12	943	15.53	15.36	15.48			
5	HQPSK	12	955	15.53	15.36	15.48			
5	HQPSK	12	967	15.53	15.36	15.48			
5	HQPSK	12	979	15.53	15.36	15.48			
5	HQPSK	12	991	15.53	15.36	15.48			
5	HQPSK	12	1003	15.53	15.36	1			

Band 4 Ant4 D515												
Ref	Mod	ModName	Ref ID	Ref Object	Power Ch1, Freq	Power Ch2, Freq	Power Ch3, Freq	Turn-on Time	Aperture (mm)			
Channel												
20	QPSK	1	0	18.23	18.40	18.29						
20	QPSK	1	49	18.28	18.30	18.38			17	0		
20	QPSK	1	99	18.33	18.34	18.37						
20	QPSK	36	0	18.20	18.30	18.15						
20	QPSK	36	49	18.25	18.27	18.29			17	0		
20	QPSK	36	99	18.14	18.20	18.15						
20	QPSK	100	0	18.22	18.23	18.08						
20	QPSK	100	49	18.27	18.28	18.13			17	0		
20	HQAM	1	49	18.08	18.20	18.27			17	0		
20	HQAM	1	99	18.16	18.18	18.09						
20	HQAM	36	0	18.09	18.10	18.03						
20	HQAM	36	24	18.03	18.13	18.27			17	0		
20	HQAM	36	99	18.18	18.08	18.25						
20	HQAM	100	0	18.04	18.20	18.20						
20	HQAM	100	49	18.07	18.17	18.11			17	0		
20	HQAM	36	0	18.24	18.11	18.17						
20	HQAM	36	49	18.08	18.27	18.15						
20	HQAM	36	99	18.07	18.17	18.23			17	0		
20	HQAM	36	0	18.04	18.20	18.20						
20	HQAM	36	24	18.04	18.14	18.27						
20	HQAM	36	99	18.15	18.10	18.13			17	0		
20	HQAM	100	0	18.05	18.21	18.15						
20	HQAM	100	49	18.08	18.18	18.13			17	0		
20	HQAM	1	49	18.08	18.31	18.14						
20	HQAM	1	99	18.10	18.18	18.23						
20	HQAM	36	0	18.20	18.22	18.20						
20	HQAM	36	24	18.01	18.28	18.25			17	0		
20	HQAM	36	99	18.20	18.18	18.23						
20	HQAM	100	0	18.20	18.22	18.20						
20	HQAM	100	49	18.08	18.25	18.15			17	0		
Channel												
Frequency (MHz)								Turn-on Time	Aperture (mm)			
18	QPSK	1	0	17.17	18.12	17.17						
18	QPSK	1	97	18.15	18.32	18.33			17	0		
18	QPSK	1	74	18.22	18.22	18.24						
18	QPSK	36	0	18.11	18.20	18.23						
18	QPSK	36	20	18.16	18.26	18.24						
18	QPSK	36	99	18.20	18.27	18.22						
18	QPSK	75	0	18.21	18.18	18.20						
18	HQAM	1	0	18.11	18.24	18.21			17	0		
18	HQAM	1	97	18.18	18.31	18.31						
18	HQAM	1	74	18.21	18.30	18.18						
18	HQAM	36	0	18.11	18.30	18.16						
18	HQAM	36	20	18.16	18.26	18.23			17	0		
18	HQAM	36	99	18.20	18.27	18.20						
18	HQAM	75	0	18.18	18.31	18.23						
18	HQAM	75	0	18.08	18.24	18.22						
18	HQAM	1	49	18.08	18.29	18.28						
18	HQAM	1	99	18.10	18.18	18.23						
18	HQAM	36	0	18.16	18.25	18.14						
18	HQAM	36	24	18.01	18.28	18.25			17	0		
18	HQAM	36	99	18.20	18.18	18.23						
18	HQAM	100	0	18.20	18.22	18.20						
18	HQAM	100	49	18.08	18.25	18.15			17	0		
18	HQAM	36	0	18.24	18.11	18.17						
18	HQAM	36	49	18.08	18.27	18.15						
18	HQAM	36	99	18.07	18.17	18.23			17	0		
18	HQAM	36	0	18.04	18.20	18.20						
18	HQAM	36	24	18.04	18.14	18.27						
18	HQAM	36	99	18.15	18.10	18.13			17	0		
18	HQAM	100	0	18.05	18.21	18.15						
18	HQAM	100	49	18.08	18.18	18.13			17	0		
18	HQAM	1	49	18.08	18.31	18.14						
18	HQAM	1	99	18.10	18.18	18.23						
18	HQAM	36	0	18.20	18.22	18.20						
18	HQAM	36	24	18.01	18.28	18.25			17	0		
18	HQAM	36	99	18.20	18.18	18.23						
18	HQAM	100	0	18.20	18.22	18.20						
18	HQAM	100	49	18.08	18.25	18.15			17	0		
Channel												
Frequency (MHz)								Turn-on Time	Aperture (mm)			
14	QPSK	1	0	18.21	18.20	18.24						
14	QPSK	1	8	18.11	18.22	18.19						
14	QPSK	1	16	18.14	18.26	18.21			17	0		
14	QPSK	3	0	18.21	18.26	18.22						
14	QPSK	3	1	18.08	18.17	18.14						
14	QPSK	3	2	18.13	18.21	18.20						
14	QPSK	8	0	18.02	18.00	18.09			17	0		
14	QPSK	8	1	18.00	18.01	18.09						
14	QPSK	8	2	18.05	18.08	18.02						
14	QPSK	8	3	18.06	18.05	18.10						
14	QPSK	8	4	18.17	18.14	18.23			17	0		
14	QPSK	8	5	18.07	18.21	18.17						
14	QPSK	8	6	18.16	18.10	18.28						
14	QPSK	8	7	18.14	18.21	18.27			17	0		
14	QPSK	8	8	18.01	18.10	18.21						
14	QPSK	8	9	18.05	18.14	18.20						
14	QPSK	8	10	18.13	18.15	18.18						
14	QPSK	8	11	18.20	18.18	18.24			17	0		
14	QPSK	8	12	18.17	18.12	18.27						
14	QPSK	8	13	18.23	18.27	18.26						
14	QPSK	8	14	18.15	18.34	18.15			17	0		
14	QPSK	8	15	18.03	18.30	18.15						
14	QPSK	8	16	18.10	18.20	18.23						
Channel												
Frequency (MHz)								Turn-on Time	Aperture (mm)			
14	QPSK	1	0	18.21	18.20	18.24						
14	QPSK	1	8	18.11	18.22	18.19						
14	QPSK	1	16	18.14	18.26	18.21			17	0		
14	QPSK	3	0	18.21	18.26	18.22						
14	QPSK	3	1	18.08	18.17	18.14						
14	QPSK	3	2	18.13	18.21	18.20						
14	QPSK	8	0	18.02	18.00	18.09			17	0		
14	QPSK	8	1	18.00	18.01	18.09						
14	QPSK	8	2	18.05	18.08	18.02						
14	QPSK	8	3	18.06	18.05	18.10						
14	QPSK	8	4	18.17	18.14	18.23			17	0		
14	QPSK	8	5	18.07	18.21	18.17						
14	QPSK	8	6	18.16	18.10	18.28						
14	QPSK	8	7	18.14	18.21	18.27			17	0		
14	QPSK	8	8	18.01	18.10	18.21						
14	QPSK	8	9	18.05	18.14	18.20						
14	QPSK	8	10	18.13	18.15	18.18						
14	QPSK	8	11	18.20	18.18	18.24			17	0		
14	QPSK	8	12	18.17	18.12	18.27						
14	QPSK	8	13	18.23	18.27	18.26						
14	QPSK	8	14	18.15	18.30	18.15			17	0		
14	QPSK	8	15	18.03	18.30	18.15						
14	QPSK	8	16	18.10	18.20	18.23						
14	QPSK	8	17	18.23	18.18	18.24			17	0		
14	QPSK	8	18	18.17	18.12	18.27						
14	QPSK	8	19	18.23	18.27	18.26						
14	QPSK	8	20	18.15	18.30	18.15			17	0		
14	QPSK	8	21	18.03	18.30	18.15						
14	QPSK	8	22	18.10	18.20	18.23						
14	QPSK	8	23	18.23	18.18	18.24			17	0		
14	QPSK	8	24	18.17	18.12	18.27						
14	QPSK	8	25	18.23	18.27	18.26						
14	QPSK	8	26	18.15	18.30	18.15			17	0		
14	QPSK	8	27	18.03	18.30	18.15						
14	QPSK	8	28	18.10	18.20	18.23						
14	QPSK	8	29	18.23	18.18	18.24			17	0		
14	QPSK	8	30	18.17	18.12	18.27						
14	QPSK	8	31	18.23	18.27	18.26						
14	QPSK	8	32	18.15	18.30	18.15			17	0		
14	QPSK	8	33	18.03	18.30	18.15						
14	QPSK	8	34	18.10	18.20	18.23						
14	QPSK	8	35	18.23	18.18	18.24			17	0		
14	QPSK	8	36	18.17	18.12	18.27						
14	QPSK	8	37	18.23	18.27	18.26						
14	QPSK	8	38	18.15	18.30	18.15			17	0		
14	QPSK	8	39	18.03	18.30	18.15						
14	QPSK	8	40	18.10	18.20	18.23						
14	QPSK	8	41	18.23	18.18	18.24			17	0		
14	QPSK</											

Band 7 Ant4 DS15												
Ref (MHz)	Modulation	RF BW (MHz)	RB Offset	Ch. Power (dBm)	Ch. Power (dBm)	Ch. Power (dBm)	Ch. Power (dBm)	Time-on-Air (min)	Aggr (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.55	16.62	16.58	21300					
20	QPSK	1	49	16.41	16.47	16.48	21300			17	0	
20	QPSK	1	98	16.43	16.48	16.42	21300					
20	QPSK	30	0	16.44	16.53	16.49						
20	QPSK	30	49	16.24	16.31	16.31						
20	QPSK	50	0	16.22	16.32	16.37				17	0	
20	QPSK	100	0	16.37	16.50	16.44						
20	HQAM	1	0	16.23	16.47	16.32	21300					
20	HQAM	1	49	16.36	16.42	16.40	21300			17	0	
20	HQAM	1	98	16.50	16.61	16.41						
20	HQAM	30	0	16.33	16.43	16.38						
20	HQAM	50	24	16.42	16.20	16.28						
20	HQAM	50	50	16.45	16.46	16.49						
20	HQAM	100	0	16.23	16.37	16.32				17	0	
20	HQAM	1	0	16.33	16.30	16.36						
20	HQAM	1	49	16.40	16.48	16.38						
20	HQAM	1	98	16.35	16.46	16.33				17	0	
20	HQAM	30	0	16.43	16.30	16.21						
20	HQAM	50	0	16.21	16.30	16.45						
20	HQAM	50	50	16.37	16.46	16.31				17	0	
20	HQAM	100	0	16.25	16.33	16.28						
20	HQAM	80	0	16.43	16.32	16.34						
20	HQAM	1	49	16.29	16.37	16.28						
20	25GSM	1	0	16.44	16.31	16.27						
20	25GSM	1	49	16.25	16.37	16.29						
20	25GSM	30	24	16.30	16.50	16.47				17		
20	25GSM	50	50	16.39	16.31	16.28						
20	25GSM	100	0	16.27	16.29	16.30						
Channel												
Frequency (MHz)												
15	QPSK	1	0	16.55	16.54	16.49	21300					
15	QPSK	1	47	16.38	16.40	16.27				17	0	
15	QPSK	1	74	16.42	16.34	16.25						
15	QPSK	30	0	16.24	16.31	16.31						
15	QPSK	30	20	16.20	16.18	16.29				17	0	
15	QPSK	50	0	16.18	16.40	16.33						
15	QPSK	75	0	16.21	16.32	16.45						
15	HQAM	1	0	16.22	16.27	16.28						
15	HQAM	1	47	16.37	16.29	16.29						
15	HQAM	1	74	16.48	16.42	16.38						
15	HQAM	30	0	16.08	16.33	16.31						
15	HQAM	30	20	16.48	16.32	16.29						
15	HQAM	30	50	16.26	16.30	16.42				17	0	
15	HQAM	75	0	16.21	16.30	16.15						
15	HQAM	1	0	16.23	16.27	16.28						
15	HQAM	1	47	16.29	16.37	16.30				17	0	
15	HQAM	1	74	16.29	16.27	16.28						
15	HQAM	30	0	16.17	16.47	16.44						
15	HQAM	30	20	16.23	16.42	16.45						
15	HQAM	30	50	16.18	16.41	16.39						
15	HQAM	75	0	16.17	16.44	16.16						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.55	16.54	16.49	21300					
10	QPSK	1	47	16.38	16.40	16.27				17	0	
10	QPSK	1	98	16.43	16.48	16.42						
10	QPSK	25	0	16.25	16.65	16.60						
10	QPSK	25	49	16.24	16.31	16.31						
10	QPSK	25	20	16.12	16.21	16.17				17	0	
10	QPSK	50	0	16.29	16.44	16.40						
10	QPSK	100	0	16.14	16.39	16.32						
10	HQAM	1	0	16.25	16.27	16.33				17	0	
10	HQAM	1	49	16.38	16.55	16.22						
10	HQAM	1	98	16.08	16.33	16.31						
10	HQAM	25	12	16.24	16.21	16.15				17	0	
10	HQAM	25	49	16.11	16.04	16.16						
10	HQAM	50	0	16.29	16.24	16.32						
10	HQAM	25	12	16.23	16.42	16.45				17	0	
10	HQAM	25	49	16.44	16.42	16.34						
10	HQAM	25	98	16.48	16.47	16.38						
10	HQAM	25	20	16.43	16.30	16.24				17	0	
10	HQAM	50	0	16.22	16.26	16.21						
10	25GSM	1	0	16.48	16.47	16.38						
10	25GSM	1	49	16.22	16.36	16.31						
10	25GSM	25	0	16.33	16.46	16.44						
10	25GSM	25	12	16.40	16.50	16.49				17	0	
10	25GSM	50	0	16.22	16.21	16.17						
10	25GSM	50	0	16.20	16.50	16.09						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.55	16.48	16.49	21300					
5	QPSK	1	12	16.34	16.40	16.40	21300			17	0	
5	QPSK	1	49	16.34	16.42	16.39						
5	QPSK	10	0	16.35	16.37	16.35						
5	QPSK	12	7	16.20	16.28	16.33				17	0	
5	QPSK	10	13	16.30	16.27	16.12						
5	QPSK	25	0	16.07	16.54	16.03						
5	HQAM	1	0	16.31	16.48	16.48						
5	HQAM	1	12	16.43	16.47	16.45				17	0	
5	HQAM	1	24	16.30	16.61	16.31						
5	HQAM	10	0	16.12	16.22	16.21						
5	HQAM	10	7	16.39	16.27	16.12						
5	HQAM	12	13	16.33	16.30	16.21				17	0	
5	HQAM	25	0	16.27	16.11	16.22						
5	HQAM	1	0	16.34	16.33	16.32						
5	HQAM	1	12	16.25	16.33	16.60				17	0	
5	HQAM	1	24	16.38	16.46	16.33						
5	HQAM	12	0	16.44	16.23	16.26						
5	HQAM	10	7	16.39	16.62	16.42				17	0	
5	HQAM	10	13	16.20	16.40	16.11						
5	25GSM	1	0	16.10	16.10	16.37						
5	25GSM	1	0	16.34	16.60	16.64				17	0	
5	25GSM	1	12	16.33	16.50	16.52						
5	25GSM	1	24	16.36	16.10	16.10						
5	25GSM	10	0	16.33	16.44	16.44						
5	25GSM	10	7	16.32	16.46	16.43						
5	25GSM	12	10	16.22	16.10	16.17						
5	25GSM	25	0	16.14	16.24	16.11						

Band 66 Ant4 DS15									
RF (MHz)	Mode	RF BW (MHz)	RB Offset	Power (W)	Power (dBm)	Power (dBm)	Power (dBm)	Time-on-Air (min)	Spurs (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.41	15.48	15.58			
20	QPSK	46	0	15.31	15.37	15.50		17	0
20	QPSK	50	0	15.21	15.27	15.50			
20	QPSK	50	0	15.37	15.42	15.57			
20	QPSK	50	0	15.47	15.52	15.57			
20	QPSK	50	0	15.16	15.20	15.15		17	0
20	QPSK	100	0	15.24	15.48	15.58			
20	QPSK	150	0	15.22	15.25	15.15			
20	16QAM	1	46	15.24	15.14	15.15			
20	16QAM	1	46	15.24	15.24	15.30		17	0
20	16QAM	50	24	15.23	15.28	15.17			
20	16QAM	50	50	15.22	15.31	15.58			
20	16QAM	50	50	15.37	15.57	15.59			
20	16QAM	1	0	15.07	15.14	15.13			
20	16QAM	50	50	15.26	15.26	15.27		17	0
20	16QAM	50	50	15.15	15.27	15.15			
20	16QAM	50	0	15.10	15.14	15.19			
20	16QAM	50	50	15.15	15.15	15.15		17	0
20	16QAM	50	50	15.28	15.18	15.19			
20	16QAM	100	0	15.19	15.17	15.27			
20	16QAM	150	0	15.18	15.18	15.15			
20	16QAM	1	46	15.27	15.28	15.15			
20	16QAM	1	46	15.10	15.11	15.12			
20	16QAM	50	50	15.11	15.11	15.17			
20	16QAM	50	50	15.14	15.11	15.15			
20	16QAM	50	50	15.04	15.02	15.01		Time-on-Air (min)	Spurs (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	0	15.17	15.14	15.23			
15	QPSK	1	37	15.28	15.19	15.23		17	0
15	QPSK	1	74	15.20	15.31	15.17			
15	QPSK	36	0	15.00	15.00	15.00			
15	QPSK	36	0	15.07	15.03	15.08			
15	QPSK	36	0	15.00	15.00	15.00		17	0
15	QPSK	75	0	15.08	15.08	15.04			
15	16QAM	1	0	15.27	15.20	15.17			
15	16QAM	1	37	15.15	15.11	15.15		17	0
15	16QAM	1	74	15.11	15.12	15.20			
15	16QAM	36	0	15.11	15.05	15.11			
15	16QAM	36	0	15.18	15.03	15.10			
15	16QAM	36	0	15.16	15.18	15.02			
15	16QAM	75	0	15.22	15.20	15.15		17	0
15	16QAM	75	0	15.21	15.21	15.21			
15	16QAM	1	37	15.13	15.14	15.23			
15	16QAM	1	74	15.24	15.34	15.09			
15	16QAM	36	0	15.18	15.21	15.01			
15	16QAM	36	0	15.21	15.21	15.21			
15	16QAM	36	0	15.08	15.14	15.19			
15	16QAM	75	0	15.18	15.28	15.15			
15	16QAM	75	0	15.17	15.10	15.14		17	0
15	16QAM	75	0	15.15	15.05	15.15			
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.16	15.48	15.75		Time-on-Air (min)	Spurs (dB)
10	QPSK	1	37	15.28	15.19	15.23			
10	QPSK	1	74	15.20	15.31	15.17			
10	QPSK	36	0	15.00	15.00	15.00			
10	QPSK	36	0	15.07	15.03	15.08			
10	QPSK	36	0	15.00	15.00	15.00		17	0
10	QPSK	75	0	15.08	15.08	15.04			
10	16QAM	1	0	15.27	15.20	15.17			
10	16QAM	1	37	15.15	15.11	15.15		17	0
10	16QAM	1	74	15.11	15.12	15.20			
10	16QAM	36	0	15.11	15.05	15.11			
10	16QAM	36	0	15.18	15.03	15.10			
10	16QAM	36	0	15.16	15.18	15.02			
10	16QAM	75	0	15.22	15.20	15.15		17	0
10	16QAM	75	0	15.21	15.21	15.21			
10	16QAM	1	37	15.13	15.14	15.23			
10	16QAM	1	74	15.24	15.34	15.09			
10	16QAM	36	0	15.18	15.21	15.01			
10	16QAM	36	0	15.21	15.21	15.21			
10	16QAM	36	0	15.08	15.28	15.15			
10	16QAM	75	0	15.18	15.28	15.15			
10	16QAM	75	0	15.17	15.10	15.14		17	0
10	16QAM	75	0	15.15	15.05	15.15			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.03	15.22	15.04		Time-on-Air (min)	Spurs (dB)
5	QPSK	12	15	15.14	15.18	15.15		17	0
5	QPSK	12	15	15.20	15.18	15.15			
5	QPSK	12	15	15.25	15.20	15.15			
5	QPSK	12	7	15.29	15.27	15.16			
5	QPSK	12	7	15.34	15.30	15.16			
5	QPSK	12	7	15.39	15.35	15.16			
5	QPSK	12	7	15.44	15.40	15.16			
5	16QAM	0	0	15.29	15.17	15.17			
5	16QAM	0	0	15.34	15.44	15.28			
5	16QAM	1	24	15.15	15.20	15.13			
5	16QAM	12	0	15.15	15.14	15.28			
5	16QAM	12	0	15.20	15.28	15.17			
5	16QAM	12	13	15.25	15.27	15.14			
5	16QAM	24	0	15.06	15.20	15.11			
5	16QAM	12	0	15.10	15.20	15.17			
5	16QAM	12	0	15.15	15.24	15.18			
5	16QAM	12	13	15.18	15.31	15.18			
5	16QAM	12	0	15.23	15.38	15.17			
5	16QAM	12	0	15.28	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			
5	16QAM	12	0	15.15	15.30	15.20			
5	16QAM	1	24	15.12	15.12	15.29			
5	16QAM	12	0	15.30	15.27	15.11			
5	16QAM	12	13	15.31	15.44	15.18			
5	16QAM	12	0	15.37	15.38	15.17			
5	16QAM	12	0	15.42	15.43	15.17			
5	16QAM	12	0	15.25	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			
5	16QAM	12	0	15.15	15.30	15.20			
5	16QAM	1	24	15.12	15.12	15.29			
5	16QAM	12	0	15.30	15.27	15.11			
5	16QAM	12	13	15.31	15.44	15.18			
5	16QAM	12	0	15.37	15.38	15.17			
5	16QAM	12	0	15.42	15.43	15.17			
5	16QAM	12	0	15.25	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			
5	16QAM	12	0	15.15	15.30	15.20			
5	16QAM	1	24	15.12	15.12	15.29			
5	16QAM	12	0	15.30	15.27	15.11			
5	16QAM	12	13	15.31	15.44	15.18			
5	16QAM	12	0	15.37	15.38	15.17			
5	16QAM	12	0	15.42	15.43	15.17			
5	16QAM	12	0	15.25	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			
5	16QAM	12	0	15.15	15.30	15.20			
5	16QAM	1	24	15.12	15.12	15.29			
5	16QAM	12	0	15.30	15.27	15.11			
5	16QAM	12	13	15.31	15.44	15.18			
5	16QAM	12	0	15.37	15.38	15.17			
5	16QAM	12	0	15.42	15.43	15.17			
5	16QAM	12	0	15.25	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			
5	16QAM	12	0	15.15	15.30	15.20			
5	16QAM	1	24	15.12	15.12	15.29			
5	16QAM	12	0	15.30	15.27	15.11			
5	16QAM	12	13	15.31	15.44	15.18			
5	16QAM	12	0	15.37	15.38	15.17			
5	16QAM	12	0	15.42	15.43	15.17			
5	16QAM	12	0	15.25	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			
5	16QAM	12	0	15.15	15.30	15.20			
5	16QAM	1	24	15.12	15.12	15.29			
5	16QAM	12	0	15.30	15.27	15.11			
5	16QAM	12	13	15.31	15.44	15.18			
5	16QAM	12	0	15.37	15.38	15.17			
5	16QAM	12	0	15.42	15.43	15.17			
5	16QAM	12	0	15.25	15.29	15.21			
5	16QAM	12	7	15.41	15.52	15.29			
5	16QAM	12	7	15.43	15.58	15.31			
5	16QAM	24	0	15.10	15.08	15.28			
5	16QAM	0	0	15.28	15.27	15.15			

Band 38 Ant4 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up time (min)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				25950	25955	25958			
20	QPSK	1	0	19.28	19.43	19.22	20	0	
20	QPSK	1	49	19.22	19.12	19.08			
20	QPSK	1	99	19.16	19.33	19.31	20	0	
20	QPSK	50	0	19.14	19.43	19.04			
20	QPSK	50	24	19.13	19.45	19.02	20	0	
20	QPSK	50	50	19.05	19.18	19.23			
20	QPSK	100	0	19.23	19.29	19.20	20	0	
20	HQAM	1	0	19.03	19.04	19.03			
20	HQAM	1	49	19.02	19.26	19.30	20	0	
20	HQAM	1	99	19.21	19.02	19.16			
20	HQAM	50	0	19.04	19.37	19.02	20	0	
20	HQAM	50	24	19.23	19.11	19.12			
20	HQAM	50	50	19.10	19.15	19.01	20	0	
20	HQAM	100	0	19.06	19.91	19.92			
20	HQAM	1	0	19.08	19.12	19.26	20	0	
20	HQAM	1	49	19.24	19.35	19.05			
20	HQAM	1	99	19.08	19.02	19.18	20	0	
20	HQAM	50	0	19.14	19.34	19.05			
20	HQAM	50	24	19.14	19.34	19.05	20	0	
20	HQAM	50	50	19.16	19.07	19.01			
20	HQAM	100	0	19.03	19.12	19.17	20	0	
20	HQAM	1	0	19.05	19.35	19.10			
20	HQAM	1	49	19.08	19.08	19.06	20	0	
20	HQAM	1	99	19.24	19.33	19.29			
20	HQAM	50	0	19.14	19.31	19.07	20	0	
20	HQAM	50	24	19.21	19.21	19.07			
20	HQAM	50	50	19.07	19.11	19.04	20	0	
20	HQAM	100	0	19.07	19.28	19.25			
Channel				25973.8	25955	26173.8	Tune-up time (min)	MPR (dB)	
Frequency (MHz)				19.18	19.13	19.06			
15	QPSK	1	0	19.07	19.03	19.10	20	0	
15	QPSK	1	97	19.03	19.32	19.20			
15	QPSK	1	74	19.03	19.32	19.20	20	0	
15	QPSK	36	0	19.07	19.26	19.08			
15	QPSK	36	20	19.01	19.88	19.91	20	0	
15	QPSK	36	79	19.89	19.21	19.27			
15	QPSK	36	98	19.18	19.24	19.18	20	0	
15	HQAM	1	0	19.06	19.04	19.07			
15	HQAM	1	74	19.16	19.16	19.08	20	0	
15	HQAM	1	74	19.05	19.22	19.07			
15	HQAM	36	0	19.03	19.04	19.91	20	0	
15	HQAM	36	20	19.06	19.17	19.09			
15	HQAM	36	39	19.17	19.29	19.03	20	0	
15	HQAM	75	0	19.17	19.04	19.02			
15	HQAM	1	0	19.11	19.15	19.05	20	0	
15	HQAM	1	37	19.07	19.08	19.91			
15	HQAM	1	37	19.08	19.12	19.05	20	0	
15	HQAM	36	0	19.08	19.09	19.90			
15	HQAM	36	20	19.26	19.19	19.90	20	0	
15	HQAM	36	39	19.11	19.07	19.02			
15	HQAM	75	0	19.08	19.06	19.14	20	0	
15	HQAM	1	0	19.05	19.17	19.05			
15	HQAM	1	37	19.05	19.17	19.05	20	0	
15	HQAM	1	74	19.25	19.26	19.13			
15	HQAM	36	0	19.11	19.16	19.07	20	0	
15	HQAM	36	20	19.18	19.14	19.00			
15	HQAM	36	39	19.09	19.09	19.07	20	0	
15	HQAM	75	0	19.03	19.04	19.00			
Channel				37650	38000	38050	Tune-up time (min)	MPR (dB)	
Frequency (MHz)				25973.8	25955	26173.8			
10	QPSK	1	0	19.20	19.32	19.21	20	0	
10	QPSK	1	25	19.14	19.04	19.89			
10	QPSK	1	49	19.15	19.21	19.07	20	0	
10	QPSK	25	0	19.04	19.22	19.03			
10	QPSK	25	12	19.04	19.04	19.07	20	0	
10	QPSK	25	12	19.01	19.19	19.14			
10	QPSK	50	0	19.18	19.22	19.19	20	0	
10	HQAM	1	0	19.04	19.04	19.02			
10	HQAM	1	25	19.09	19.23	19.00	20	0	
10	HQAM	1	49	19.07	19.16	19.00			
10	HQAM	25	0	19.00	19.09	19.07	20	0	
10	HQAM	25	12	19.08	19.03	19.00			
10	HQAM	50	0	19.10	19.14	19.15	20	0	
10	HQAM	50	25	19.04	19.02	19.06			
10	HQAM	1	0	19.09	19.18	19.00	20	0	
10	HQAM	1	25	19.13	19.29	19.00			
10	HQAM	1	49	19.05	19.11	19.00	20	0	
10	HQAM	25	0	19.01	19.00	19.06			
10	HQAM	25	12	19.13	19.29	19.13	20	0	
10	HQAM	50	0	19.14	19.07	19.07			
10	HQAM	50	25	19.07	19.05	19.02	20	0	
10	HQAM	25	12	19.18	19.08	19.07			
10	HQAM	1	0	19.03	19.23	19.00	20	0	
10	HQAM	1	25	19.05	19.00	19.03			
10	HQAM	1	49	19.11	19.32	19.00	20	0	
10	HQAM	25	0	19.00	19.29	19.00			
10	HQAM	25	12	19.12	19.20	19.06	20	0	
10	HQAM	25	25	19.01	19.08	19.00			
10	HQAM	50	0	19.04	19.03	19.21	20	0	
10	HQAM	1	0	19.04	19.16	19.00			
Channel				38150	38000	38050	Tune-up time (min)	MPR (dB)	
Frequency (MHz)				25973.8	25955	26173.8			
5	QPSK	1	12	19.08	19.17	19.24	20	0	
5	QPSK	1	12	19.00	19.07	19.05			
5	QPSK	1	24	19.10	19.19	19.07	20	0	
5	QPSK	12	0	19.00	19.24	19.00			
5	QPSK	12	7	19.24	19.51	19.00	20	0	
5	QPSK	12	13	19.00	19.07	19.19			
5	QPSK	25	0	19.23	19.23	19.00	20	0	
5	HQAM	1	0	19.73	19.07	19.00			
5	HQAM	1	12	19.83	19.12	19.15	20	0	
5	HQAM	1	24	19.11	19.15	19.01			

GSM1900 Anti DSS1 Default						
Channel	Power Average Power (dBm)			Power Average Power (dBm)		
TX Channel	812	868	810	Limit	812	868
Frequency (MHz)	812	868	810	Limit	812	868
GSM 1 Tx anti	28.61	28.94	28.73	30.00	19.81	19.94
GSM 1 Tx anti	28.78	28.80	28.82	30.00	19.76	19.80
GSM 2 Tx anti	25.40	25.01	25.30	27.00	18.40	18.38
GSM 3 Tx anti	23.84	23.82	23.58	25.00	18.58	18.32
GSM 4 Tx anti	23.84	23.58	24.00	25.00	18.76	18.82
EDGE 1 Tx anti	24.38	24.30	24.17	26.00	18.38	18.37
EDGE 2 Tx anti	21.69	21.72	21.83	23.00	15.89	15.72
EDGE 3 Tx anti	19.90	19.80	19.85	21.00	15.84	15.82
EDGE 4 Tx anti	18.60	18.68	18.80	20.00	15.89	15.80

WCDMA U Anti DSS				WCDMA IV Anti DSS			
Band	WCDMA U			WCDMA IV			
TX Channel	9450	9450	9450	Limit	9450	9450	Limit
TX Channel	9450	9450	9450	Limit	9450	9450	Limit
Frequency (MHz)	9450	9450	9450	Limit	9450	9450	Limit
SCPP Rel 00	18.30	18.46	18.49	19.50	17.47	17.52	17.48
SCPP Rel 00	18.49	18.50	18.47	19.50	17.48	17.52	17.50
SCPP Rel 01	17.50	17.59	17.53	18.50	16.39	16.49	16.50
SCPP Rel 01	17.49	17.51	17.49	18.50	16.39	16.47	16.54
SCPP Rel 01	16.38	16.41	16.44	18.50	15.39	15.48	15.50
SCPP Rel 01	17.05	17.14	17.11	18.50	15.95	16.01	16.09
SCPP Rel 01	17.45	17.60	17.56	18.50	16.51	16.64	16.59
SCPP Rel 01	17.07	17.00	17.06	18.50	16.47	16.50	16.75
SCPP Rel 01	17.05	16.96	17.13	18.50	16.94	16.16	16.10
SCPP Rel 01	17.11	17.09	17.05	18.50	16.94	16.23	16.11
SCPP Rel 01	17.05	17.09	17.09	18.50	16.57	16.76	16.60
SCPP Rel 01	16.51	16.57	16.49	18.50	16.31	16.52	16.50
SCPP Rel 01	16.51	16.41	16.38	17.50	15.43	15.58	15.72
SCPP Rel 01	16.46	16.63	16.48	18.50	16.30	16.49	16.50
SCPP Rel 01	17.04	17.52	17.31	18.50	16.94	16.77	17.00

Band 4 Ant5 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Middle Ch./Frac.	Power High Ch./Frac.	Turn-on [ms]	APR [dB]	
Channel									
Frequency [MHz]									
20	QPSK	1	0	1720	1720.5	1720			
20	QPSK	1	0	18.11	18.05	18.10	17.5	0	
20	QPSK	1	50	18.14	18.09	18.03			
20	QPSK	10	0	15.98	15.94	15.92			
20	QPSK	50	24	15.98	16.03	15.97	17.5	0	
20	QPSK	100	0	15.98	15.98	15.94			
20	QPSK	50	0	16.03	15.97	15.97			
20	HQAM	1	0	16.03	16.02	16.05			
20	HQAM	1	40	15.93	16.03	15.79	17.5	0	
20	HQAM	1	80	15.99	16.06	15.88			
20	HQAM	50	0	16.11	15.94	15.92			
20	HQAM	50	24	15.99	16.02	15.77	17.5	0	
20	HQAM	50	50	16.06	16.06	15.99			
20	HQAM	100	0	16.08	15.99	15.91			
20	HQAM	1	0	16.03	16.02	16.01			
20	HQAM	1	40	15.91	16.01	15.86	17.5	0	
20	HQAM	1	80	15.91	15.95	16.04			
20	HQAM	50	0	15.99	15.93	15.94			
20	HQAM	50	24	16.00	16.08	16.03	17.5	0	
20	HQAM	50	50	16.05	15.99	16.01			
20	HQAM	100	0	16.09	15.92	15.92			
20	ZSFGM	1	0	15.93	15.99	16.02			
20	ZSFGM	1	40	16.00	15.96	15.93	17.5	0	
20	ZSFGM	1	80	15.95	16.15	15.81			
20	ZSFGM	50	0	16.08	16.14	16.03			
20	ZSFGM	50	24	15.98	16.02	15.94	17.5	0	
20	ZSFGM	50	50	15.98	15.92	15.95			
20	ZSFGM	100	0	16.10	15.98	15.81			
Channel									
Frequency [MHz]									
15	QPSK	1	0	16.08	16.05	15.98			
15	QPSK	1	37	15.99	16.03	15.84	17.5	0	
15	QPSK	1	74	16.04	16.04	15.79			
15	QPSK	36	0	15.86	16.07	15.72			
15	QPSK	36	20	16.00	16.02	15.82	17.5	0	
15	QPSK	36	36	15.91	15.89	15.81			
15	QPSK	75	0	15.80	16.00	15.85			
15	HQAM	1	0	16.00	16.02	15.84			
15	HQAM	1	37	15.74	15.97	15.65	17.5	0	
15	HQAM	1	74	15.81	15.97	15.74			
15	HQAM	36	0	15.98	15.72	15.74			
15	HQAM	36	20	16.02	15.69	15.71	17.5	0	
15	HQAM	36	36	15.99	15.82	15.76			
15	HQAM	75	0	16.00	15.78	15.71			
15	HQAM	1	0	15.88	15.69	15.72			
15	HQAM	1	37	15.72	15.62	15.67	17.5	0	
15	HQAM	1	74	15.84	15.69	15.66			
15	HQAM	36	0	15.88	15.60	15.61			
15	HQAM	36	20	15.87	15.62	15.68	17.5	0	
15	HQAM	36	36	16.05	15.71	15.67			
15	HQAM	75	0	15.90	15.60	15.53			
15	ZSFGM	1	0	15.91	15.69	15.66			
15	ZSFGM	1	37	16.00	15.63	15.61	17.5	0	
15	ZSFGM	1	74	15.95	15.67	15.64			
15	ZSFGM	36	0	15.95	15.67	15.64			
15	ZSFGM	36	20	15.88	16.08	15.85	17.5	0	
15	ZSFGM	36	36	15.99	15.69	15.67			
15	ZSFGM	75	0	16.00	15.68	15.62			
15	ZSFGM	75	20	15.90	15.58	15.62	17.5	0	
Channel									
Frequency [MHz]									
10	QPSK	1	0	16.07	16.13	16.30			
10	QPSK	1	25	16.00	15.89	15.85	17.5	0	
10	QPSK	1	40	15.99	15.89	15.84			
10	QPSK	25	0	15.96	16.01	15.76			
10	QPSK	25	12	15.91	16.03	15.77	17.5	0	
10	QPSK	25	25	15.92	15.98	15.67			
10	QPSK	50	0	15.84	16.09	15.99			
10	HQAM	1	0	16.03	15.96	15.82			
10	HQAM	1	25	15.90	15.82	15.67	17.5	0	
10	HQAM	1	40	16.00	15.90	15.87			
10	HQAM	25	0	16.10	15.79	15.67			
10	HQAM	25	12	16.00	15.86	15.71	17.5	0	
10	HQAM	25	25	16.01	15.86	15.86			
10	HQAM	50	0	15.86	15.86	15.76			
10	HQAM	1	0	15.82	15.97	15.70			
10	HQAM	1	25	15.80	16.00	15.67	17.5	0	
10	HQAM	1	40	15.80	16.00	15.67			
10	HQAM	25	0	15.80	15.71	15.84			
10	HQAM	25	12	15.80	15.96	15.65	17.5	0	
10	HQAM	25	25	15.90	15.86	15.70			
10	HQAM	50	0	15.80	16.02	15.98			
10	HQAM	50	12	15.90	15.78	15.72	17.5	0	
10	ZSFGM	1	0	16.10	15.78	15.69			
10	ZSFGM	1	25	15.84	15.92	15.64	17.5	0	
10	ZSFGM	1	40	15.78	16.09	15.72			
10	ZSFGM	25	0	16.00	15.80	15.69			
10	ZSFGM	25	12	15.79	16.08	15.65	17.5	0	
10	ZSFGM	25	25	15.78	15.86	16.04			
10	ZSFGM	50	0	15.84	15.61	15.79			
Channel									
Frequency [MHz]									
5	QPSK	1	0	16.07	16.13	16.17			
5	QPSK	1	12	15.97	15.94	16.06	17.5	0	
5	QPSK	1	24	15.94	16.06	15.99			
5	QPSK	12	0	15.84	16.01	15.85			
5	QPSK	12	7	15.84	15.90	15.93	17.5	0	
5	QPSK	12	13	15.86	16.00	15.83			
5	QPSK	15	0	15.98	16.03	15.81			
5	HQAM	1	0	15.82	15.91	16.03			
5	HQAM	1	12	15.80	15.95	15.84	17.5	0	
5	HQAM	1	24	16.00	16.00	15.82			
5	HQAM	12	0	16.04	16.15	15.94			
5	HQAM	12	7	15.97	15.86	15.83	17.5	0	
5	HQAM	12	13	15.97	15.89	15.79			
5	HQAM	25	0	15.99	16.00	15.81			
5	HQAM	1	0	15.84	15.93	15.73			
5	HQAM	1	12	15.86	16.03	15.82	17.5	0	
5	HQAM	1	24	15.90	15.92	15.87			
5	HQAM	12	0	15.94	16.09	15.86			
5	HQAM	12	7	15.90	15.80	15.76	17.5	0	
5	HQAM	12	13	16.07	16.00	15.86			
5	HQAM	25	0	15.97	15.80	15.80			
5	ZSFGM	1	0	16.01	15.86	15.97			
5	ZSFGM	1	12	15.98	16.04	15.74	17.5	0	
5	ZSFGM	1	24	15.83	16.04	15.61			
5	ZSFGM	12	0	15.90	16.15	15.86			
5	ZSFGM	12	7	15.83	15.92	15.61	17.5	0	
5	ZSFGM	12	13	15.80	15.78	15.82			
5	ZSFGM	25	0	16.00	15.92	15.94			
Channel									
Frequency [MHz]									
3	QPSK	1	0	16.02	16.15	16.06			
3	QPSK	1	8	15.87	15.86	15.86	17.5	0	
3	QPSK	1	14	16.07	15.97	15.81			
3	QPSK	8	0	15.94	15.97	16.06			
3	QPSK	8	4	15.94	15.98	16.08	17.5	0	
3	QPSK	8	7	16.07	16.03	15.71			
3	HQAM	1	0	15.92	15.82	15.94			
3	HQAM	1	8	15.92	15.89	15.86	17.5	0	
3	HQAM	1	14	15.86	16.04	15.76			
3	HQAM	8	0	15.99	15.81	15.84			
3	HQAM	8	4	15.91	15.88	15.78	17.5	0	
3	HQAM	8	7	16.04	15.89	15.85			
3	HQAM	15	0	16.06	15.92	15.85			
3	HQAM	1	0	15.80	15.91	15.82	17.5	0	
3	HQAM	1	14	15.76	15.81	15.84			
3	HQAM	1	8	15.93	15.87	15.87			
3	HQAM	8	0	15.87	16.03	15.86	17.5	0	
3	HQAM	8	4	15.91	15.97	15.85			
3	HQAM	8	7	15.99	15.83	15.84			
3	ZSFGM	1	0	16.07	15.95	15.73	17.5	0	
3	ZSFGM	1	14	15.77	15.80	15.63			
3	ZSFGM	8	0	16.00	15.98	15.92			
3	ZSFGM	8	4	15.85	16.03	15.91	17.5	0	
3	ZSFGM	8	7	15.99	15.83	15.84			
3	ZSFGM	15	0	15.93	15.91	15.78			
Channel									
Frequency [MHz]									
1.4	QPSK	1	0	15.97	16.11	16.04			
1.4	QPSK	1	3	15.86	16.04	16.04	17.5	0	
1.4	QPSK	5	0	15.99	16.02	15.78			
1.4	QPSK	3	0	15.99	16.10	16.09			
1.4	QPSK	3	3	16.12	15.91	15.91	17.5	0	
1.4	QPSK	3	5	16.14	16.05	15.84			
1.4	QPSK	3	9	15.82	15.97	15.91	17.5	0	
1.4	HQAM	1	0	16.00	16.00	15.80			
1.4	HQAM	1	3	15.83	16.02	15.74			
1.4	HQAM	5	0	16.01	15.97	15.80			
1.4	HQAM	3	0	15.99	16.07	15.89			
1.4	HQAM	3	3	15.81	15.87	15.87	17.5	0	
1.4	HQAM	3	5	15.97	16.08	15.86			
1.4	HQAM	3	9	15.80	15.93	15.84			
1.4	HQAM	1	0	15.93	16.11	15.68			
1.4	HQAM	1	3	15.74	16.01	15.88	17.5	0	
1.4	HQAM	1	5	15.84	16.02	15.83			
1.4	HQAM	3	0	16.09	16.11	15.87			
1.4	HQAM	3	3	16.11	15.91	15.91			
1.4	HQAM	3	9	16.15	16.05	16.05	17.5	0	
1.4	HQAM	5	0	16.03	16.02	15.82			
1.4	HQAM	1	0	15.90	1				

Band 38 Ant5 DSI5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up freq. (MHz)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)											
20	QPSK	1	0	18.71	18.90	18.72	20	0			
20	QPSK	1	49	18.83	18.75	18.54					
20	QPSK	1	99	18.97	18.81	18.84	20	0			
20	QPSK	50	0	18.62	18.58	18.73					
20	QPSK	50	24	18.77	18.59	18.43	20	0			
20	QPSK	50	50	18.78	18.77	18.80					
20	QPSK	100	0	18.72	18.57	18.51	20	0			
20	HQAM	1	0	18.84	18.84	18.45					
20	HQAM	1	49	18.84	18.84	18.83	20	0			
20	HQAM	1	99	18.92	18.87	18.81					
20	HQAM	50	0	18.93	18.83	18.92	20	0			
20	HQAM	50	24	18.69	18.80	18.87					
20	HQAM	100	0	18.85	18.86	18.90	20	0			
20	HQAM	1	0	18.80	18.86	18.73					
20	HQAM	1	49	18.93	18.83	18.92	20	0			
20	HQAM	1	99	18.71	18.81	18.69					
20	HQAM	50	24	18.69	18.80	18.87	20	0			
20	HQAM	100	0	18.85	18.86	18.90					
20	HQAM	50	0	18.93	18.83	18.92	20	0			
20	HQAM	50	24	18.69	18.80	18.87					
20	HQAM	100	0	18.85	18.73	18.88	20	0			
Channel <th>2077.8</th> <th>2095</th> <th>2019.3</th> <th>Tune-up freq. (MHz)</th> <th>MPR (dB)</th> <th colspan="3" rowspan="2"></th>				2077.8	2095	2019.3			Tune-up freq. (MHz)	MPR (dB)	
Frequency (MHz)											
15	QPSK	1	0	18.69	18.84	18.67	20	0			
15	QPSK	1	37	18.80	18.70	18.85					
15	QPSK	1	74	18.71	18.67	18.70	20	0			
15	QPSK	36	0	18.71	18.69	18.65					
15	QPSK	36	20	18.80	18.82	18.62	20	0			
15	QPSK	36	39	18.92	18.77	18.73					
15	QPSK	36	58	18.84	18.89	18.92	20	0			
15	HQAM	1	0	18.78	18.78	18.43					
15	HQAM	1	37	18.80	18.87	18.85	20	0			
15	HQAM	1	74	18.84	18.74	18.60					
15	HQAM	36	0	18.72	18.57	18.52	20	0			
15	HQAM	36	20	18.93	18.44	18.48					
15	HQAM	36	39	18.34	18.79	18.73	20	0			
15	HQAM	75	0	18.74	18.82	18.92					
15	HQAM	1	0	18.42	18.89	18.83	20	0			
15	HQAM	1	37	18.71	18.53	18.51					
15	HQAM	1	74	18.72	18.51	18.51	20	0			
15	HQAM	36	0	18.82	18.75	18.71					
15	HQAM	36	20	18.94	18.83	18.87	20	0			
15	HQAM	36	39	18.81	18.51	18.51					
15	HQAM	75	0	18.84	18.87	18.87	20	0			
15	256QAM	1	37	18.71	18.50	18.45					
15	256QAM	1	74	18.80	18.68	18.61	20	0			
15	256QAM	36	0	18.82	18.06	18.06					
15	256QAM	36	20	18.82	18.74	18.46	20	0			
15	256QAM	36	39	18.71	18.73	18.70					
15	256QAM	75	0	18.88	18.81	18.73	20	0			
15	256QAM	100	0	18.60	18.60	18.60					
Channel				37650	38000	38050	Tune-up freq. (MHz)	MPR (dB)			
Frequency (MHz)											
10	QPSK	1	0	18.80	18.79	18.85	20	0			
10	QPSK	1	25	18.71	18.66	18.38					
10	QPSK	1	49	18.79	18.65	18.65	20	0			
10	QPSK	25	0	18.83	18.73	18.49					
10	QPSK	25	12	18.80	18.71	18.84	20	0			
10	QPSK	25	37	18.83	18.81	18.82					
10	QPSK	50	0	18.54	18.93	18.60	20	0			
10	HQAM	1	0	18.81	18.68	18.68					
10	HQAM	1	25	18.87	18.59	18.61	20	0			
10	HQAM	1	49	18.42	18.84	18.46					
10	HQAM	25	0	18.83	18.84	18.85	20	0			
10	HQAM	25	12	18.68	18.78	18.69					
10	HQAM	50	25	18.87	18.87	18.45	20	0			
10	HQAM	50	50	18.81	18.81	18.75					
10	HQAM	1	0	18.51	18.78	18.73	20	0			
10	HQAM	1	25	18.80	18.60	18.30					
10	HQAM	1	49	18.71	18.52	18.70	20	0			
10	HQAM	25	0	18.83	18.72	18.45					
10	HQAM	25	12	18.88	18.70	18.70	20	0			
10	HQAM	25	37	18.50	18.75	18.69					
10	HQAM	50	25	18.87	18.82	18.60	20	0			
10	HQAM	50	50	18.89	18.87	18.41					
10	256QAM	1	25	18.78	18.71	18.37	20	0			
10	256QAM	1	49	18.71	18.87	18.83					
10	256QAM	25	0	18.53	18.82	18.70	20	0			
10	256QAM	25	12	18.71	18.58	18.51					
10	256QAM	25	37	18.82	18.58	18.80	20	0			
10	256QAM	50	0	18.83	18.83	18.73					
Channel				2077.8	2095	2019.3	Tune-up freq. (MHz)	MPR (dB)			
Frequency (MHz)											
5	QPSK	1	0	18.71	18.75	18.71	20	0			
5	QPSK	1	12	18.74	18.73	18.45					
5	QPSK	1	24	18.80	18.73	18.69	20	0			
5	QPSK	12	0	18.79	18.65	18.65					
5	QPSK	12	7	18.90	18.83	18.82	20	0			
5	QPSK	12	13	18.81	18.79	18.81					
5	QPSK	25	0	18.60	18.78	18.31	20	0			
5	HQAM	1	0	18.85	18.89	18.31					
5	HQAM	1	24	18.47	18.79	18.37	20	0			
5	HQAM	12	0	18.85	18.45	18.90					
5	HQAM	12	7	18.69	18.46	18.	20	0			
5	HQAM	12	13	18.80	18.60	18.55					
5	HQAM	25	0	18.74	18.67	18.40	20	0			
5	HQAM	25	12	18.90	18.79	18.71					
5	HQAM	1	0	18.73	18.56	18.80	20	0			
5	HQAM	1	12	18.80	18.62	18.40					
5	HQAM	1	24	18.79	18.60	18.54	20	0			
5	HQAM	12	7	18.82	18.74	18.70					
5	HQAM	12	13	18.44	18.75	18.80	20	0			
5	HQAM	25	0	18.80	18.58	18.49					
5	HQAM	25	12	18.81	18.58	18.53	20	0			
5	HQAM	25	37	18.82	18.53	18.47					
5	HQAM	25	12	18.77	18.75	18.74	20	0			
5	HQAM	25	37	18.81	18.78	18.83					
5	256QAM	1	12	18.77	18.71	18.40	20	0			
5	256QAM	1	24	18.77	18.75	18.47					

Band 42 Ant9 DS15												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (min)	MFR (dB)				
Channel												
Frequency (MHz)				42160	42560	42660						
20	QPSK	1	0	18.20	18.22	18.12	18	0				
20	QPSK	1	49	18.19	18.18	18.20						
20	QPSK	1	98	18.15	18.19	18.12						
20	QPSK	50	0	18.12	18.13	18.14						
20	QPSK	50	24	18.20	18.13	18.14	18	0				
20	QPSK	50	49	18.13	18.08	18.09						
20	QPSK	100	0	18.12	18.14	18.00						
20	16QAM	1	0	18.11	18.12	18.20						
20	16QAM	1	49	18.19	18.10	18.14	18	0				
20	16QAM	1	99	18.21	18.13	18.04						
20	16QAM	50	0	18.04	18.13	18.15						
20	16QAM	50	24	18.01	18.18	18.02						
20	16QAM	50	49	18.20	18.18	18.00	18	0				
20	16QAM	100	0	18.12	18.09	18.16						
20	64QAM	1	0	18.07	18.21	18.02						
20	64QAM	1	49	18.04	18.01	18.06						
20	64QAM	1	99	18.05	18.18	18.02	18	0				
20	64QAM	50	0	18.09	18.07	18.00						
20	64QAM	50	24	18.17	18.08	18.05						
20	64QAM	50	49	18.15	18.05	18.12						
20	64QAM	100	0	18.09	18.02	18.13	18	0				
20	256QAM	1	0	18.14	18.02	18.02						
20	256QAM	1	49	18.15	18.11	18.15						
20	256QAM	1	99	18.09	18.07	18.00	18	0				
20	256QAM	50	0	18.04	18.13	18.14						
20	256QAM	50	24	18.07	18.15	18.00						
20	256QAM	50	49	18.18	18.05	18.15						
20	256QAM	100	0	18.12	18.05	18.04	18	0				
Channel												
Frequency (MHz)				3457.5	3500	3542.5				Time-up limit (min)	MFR (dB)	
15	QPSK	1	0	18.08	18.18	18.08	18	0				
15	QPSK	1	37	18.05	18.12	18.17						
15	QPSK	1	74	18.17	18.03	18.09						
15	QPSK	36	0	18.11	18.14	18.13						
15	QPSK	36	20	18.18	18.08	18.12	18	0				
15	QPSK	36	39	18.05	18.09	18.19						
15	QPSK	36	58	18.00	18.00	18.02						
15	16QAM	1	0	18.09	18.10	18.10						
15	16QAM	1	37	18.00	18.10	18.10	18	0				
15	16QAM	1	74	18.00	18.10	18.10						
15	16QAM	36	0	18.18	18.08	18.14						
15	16QAM	36	39	18.21	18.05	18.04						
15	16QAM	36	58	18.19	18.08	18.21	18	0				
15	16QAM	75	0	18.10	18.04	18.08						
15	64QAM	1	0	18.02	18.04	18.13						
15	64QAM	1	37	18.08	18.03	18.02						
15	64QAM	1	74	18.13	18.06	18.06	18	0				
15	64QAM	36	0	18.01	18.04	18.09						
15	64QAM	36	20	18.02	18.13	18.11						
15	64QAM	36	39	18.00	18.00	18.06						
15	64QAM	75	0	18.07	18.10	18.02	18	0				
15	256QAM	1	0	18.05	18.07	18.01						
15	256QAM	1	37	18.07	18.01	18.00						
15	256QAM	1	74	18.07	18.01	18.00						
15	256QAM	36	0	18.06	18.15	18.12	18	0				
15	256QAM	36	20	18.05	18.15	18.02						
15	256QAM	36	39	18.10	18.15	18.20						
15	256QAM	75	0	18.03	18.01	18.14						
Channel												
Frequency (MHz)				42160	42560	42660	Time-up limit (min)	MFR (dB)				
10	QPSK	1	0	18.13	18.21	18.04	18	0				
10	QPSK	1	25	18.12	18.14	18.13						
10	QPSK	1	50	18.07	18.03	18.02						
10	QPSK	25	0	18.09	18.19	18.05						
10	QPSK	25	12	18.04	18.18	18.09	18	0				
10	QPSK	25	25	18.18	18.08	18.18						
10	QPSK	50	0	18.02	18.12	18.01						
10	16QAM	1	0	18.08	18.13	18.16						
10	16QAM	1	25	18.09	18.12	18.05	18	0				
10	16QAM	1	49	18.00	18.17	18.02						
10	16QAM	25	0	18.00	18.05	18.08						
10	16QAM	25	12	18.08	18.08	18.07						
10	16QAM	50	0	18.17	18.19	18.18	18	0				
10	16QAM	50	4	18.13	18.02	18.05						
10	64QAM	1	0	18.18	18.18	18.18						
10	64QAM	1	26	18.01	18.07	18.01	18	0				
10	64QAM	1	49	18.14	18.13	18.02						
10	64QAM	25	0	18.03	18.09	18.01						
10	64QAM	25	12	18.08	18.04	18.03						
10	64QAM	50	0	18.13	18.12	18.10	18	0				
10	64QAM	50	4	18.04	18.01	18.10						
10	256QAM	1	0	18.02	18.01	18.10						
10	256QAM	1	25	18.13	18.09	18.08	18	0				
10	256QAM	1	49	18.13	18.04	18.03						
10	256QAM	25	0	18.08	18.15	18.09						
10	256QAM	25	12	18.01	18.07	18.06						
10	256QAM	25	25	18.05	18.07	18.01	18	0				
10	256QAM	50	0	18.12	18.03	18.02						
Channel												
Frequency (MHz)				3521.5	3560	3547.5	Time-up limit (min)	MFR (dB)				
5	QPSK	1	0	18.10	18.12	18.06	18	0				
5	QPSK	1	12	18.19	18.04	18.17						
5	QPSK	1	24	18.05	18.14	18.09						
5	QPSK	12	0	18.07	18.17	18.10						
5	QPSK	12	7	18.02	18.01	18.10	18	0				
5	QPSK	12	13	18.15	18.15	18.04						
5	QPSK	25	0	18.07	18.05	18.13						
5	16QAM	1	0	18.07	18.11	18.05	18	0				
5	16QAM	1	12	18.00	18.13	18.09						
5	16QAM	1	24	18.13	18.00	18.06						
5	16QAM	12	0	18.11	18.01	18.15						
5	16QAM	12	7	18.00	18.14	18.18	18	0				
5	16QAM	12	13	18.15	18.10	18.01						
5	16QAM	25	0	18.03	18.09	18.04						
5	64QAM	1	0	18.01	18.18	18.13	18	0				
5	64QAM	1	12	18.05	18.13	18.01						
5	64QAM	1	24	18.01	18.00	18.00						
5	64QAM	12	0	18.02	18.02	18.06						
5	64QAM	12	7	18.18	18.09	18.04	18	0				
5	64QAM	12	13	18.04	18.11	18.10						
5	64QAM	25	0	18.09	18.00	18.08						
5	256QAM	1	0	18.00	18.03	18.02	18	0				
5	256QAM	1	12	18.10	18.11	18.08						
5	256QAM	1	24	18.02	18.02	18.04						
5	256QAM	12	0	18.03	18.13	18.01						
5	256QAM	12	7	18.08	18.18	18.15	18	0				
5	256QAM	12	13	18.17	18.07	18.18						
5	256QAM	25	0	18.09	18.03	18.13						

Band 48 Ant9 DS15									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up limit (min)	MFR (dB)
Channel									
Frequency (MHz)				50340	50800	50160	50660		
				3560	3900	3560	3900		
20	QPSK	1	0	18.18	18.13	18.22	18.11		
20	QPSK	1	49	18.21	18.27	18.04	18.12	19.5	0
20	QPSK	1	99	18.19	18.22	18.04	18.21		
20	QPSK	1	149	18.25	18.25	18.25	18.25		
20	QPSK	50	24	18.17	18.08	18.14	18.03	19.5	0
20	QPSK	50	74	18.18	18.18	18.18	18.18		
20	QPSK	100	0	18.20	18.22	17.99	18.15		
20	16QAM	1	0	18.10	18.20	18.13	18.00		
20	16QAM	1	49	18.12	18.18	17.97	18.02	19.5	0
20	16QAM	1	99	18.08	18.08	18.15	18.21		
20	16QAM	1	149	17.97	17.97	18.20	18.20		
20	16QAM	50	24	17.89	17.88	17.75	17.77	19.5	0.5
20	16QAM	50	74	17.70	17.70	17.76	17.78		
20	64QAM	1	0	17.70	17.63	17.72	17.68		
20	64QAM	1	49	17.76	17.80	17.62	17.76	19.5	0.5
20	64QAM	1	99	17.71	17.71	17.78	17.78		
20	64QAM	1	149	17.63	17.63	17.85	17.85		
20	64QAM	50	50	16.90	16.92	17.02	16.88	19.5	1.5
20	64QAM	100	0	17.09	16.94	16.89	17.01		
20	256QAM	1	0	14.82	14.73	14.73	14.72		
20	256QAM	1	49	14.81	14.70	14.52	14.67	19.5	3.5
20	256QAM	1	99	14.72	14.71	14.84	14.82		
20	256QAM	50	0	14.54	14.87	14.84	14.84		
20	256QAM	50	24	14.69	14.64	14.73	14.68	19.5	3.5
20	256QAM	50	74	14.69	14.69	14.69	14.70		
20	256QAM	100	0	14.46	14.44	14.71	14.62		
Channel									
Frequency (MHz)				3567.5	3900	3567.5	3902.5	Time-up limit (min)	MFR (dB)
15	QPSK	1	0	18.08	18.22	18.08	18.02		
15	QPSK	1	37	18.13	18.18	18.12	18.01	19.5	0
15	QPSK	1	74	18.04	18.11	18.17	18.10		
15	QPSK	36	0	18.18	18.20	18.10	18.14		
15	QPSK	36	37	18.05	17.87	17.97	17.88	19.5	0
15	QPSK	36	74	18.10	17.92	17.92	18.10		
15	QPSK	36	111	18.07	18.14	18.14	18.07		
15	16QAM	1	0	17.99	18.09	18.05	17.88		
15	16QAM	1	37	17.88	17.84	17.84	17.82	19.5	0
15	16QAM	1	74	18.00	18.00	18.00	18.00		
15	16QAM	36	0	17.45	17.61	17.59	17.68		
15	16QAM	36	37	17.44	17.59	17.62	17.69	19.5	0.5
15	16QAM	36	74	17.62	17.59	17.62	17.62		
15	16QAM	75	0	17.62	17.65	17.59	17.63		
15	64QAM	1	0	17.61	17.63	17.61	17.64		
15	64QAM	1	37	17.64	17.67	17.73	17.67	19.5	0.5
15	64QAM	1	74	17.58	17.57	17.70	17.64		
15	64QAM	1	111	18.04	18.04	18.03	18.01		
15	64QAM	36	0	16.84	16.85	16.88	16.87	19.5	1.5
15	64QAM	36	37	16.84	16.84	16.84	16.84		
15	64QAM	75	0	16.38	16.82	16.74	16.94		
15	256QAM	1	0	14.54	14.68	14.72	14.85		
15	256QAM	1	37	14.58	14.58	14.42	14.55	19.5	3.5
15	256QAM	1	74	14.81	14.58	14.48	14.70		
15	256QAM	1	111	14.69	14.78	14.78	14.69		
15	256QAM	36	0	14.57	14.58	14.64	14.50	19.5	3.5
15	256QAM	36	37	14.57	14.61	14.58	14.61		
15	256QAM	75	0	14.75	14.73	14.74	14.69		
Channel									
Frequency (MHz)				3562.5	3900	3562.5	3900	Time-up limit (min)	MFR (dB)
15	QPSK	1	0	18.04	18.25	18.14	17.98		
15	QPSK	1	15	18.08	18.18	18.17	18.04	19.5	0
15	QPSK	1	30	18.03	18.03	18.03	18.03		
15	QPSK	25	0	18.13	18.17	18.09	18.14		
15	QPSK	25	12	18.08	17.85	18.05	17.94	19.5	0
15	QPSK	25	30	18.05	18.05	18.12	18.12		
15	QPSK	50	0	18.00	18.15	17.87	18.03		
15	16QAM	1	0	17.98	18.08	18.03	17.89		
15	16QAM	1	25	17.99	18.08	17.87	18.05	19.5	0
15	16QAM	1	49	18.00	17.99	18.04	18.12		
15	16QAM	1	74	17.46	17.49	17.49	17.49		
15	16QAM	25	12	17.68	17.55	17.62	17.67	19.5	0.5
15	16QAM	25	30	17.58	17.61	17.64	17.65		
15	16QAM	50	0	17.45	17.45	17.62	17.62		
15	64QAM	1	0	17.56	17.53	17.58	17.63		
15	64QAM	1	25	17.67	17.54	17.62	17.64	19.5	0.5
15	64QAM	1	49	17.58	17.60	17.64	17.69		
15	64QAM	25	0	16.83	16.91	16.81	16.77		
15	64QAM	25	12	16.83	16.79	16.80	16.77	19.5	1.5
15	64QAM	25	30	16.76	16.81	16.88	16.70		
15	64QAM	50	0	17.01	16.84	16.86	16.86		
15	256QAM	1	0	14.53	14.64	14.75	14.62		
15	256QAM	1	12	14.65	14.58	14.43	14.54	19.5	3.5
15	256QAM	1	25	14.62	14.59	14.48	14.59		
15	256QAM	1	49	14.85	14.80	14.76	14.70		
15	256QAM	1	74	14.61	14.50	14.54	14.57		
15	256QAM	50	0	14.50	14.40	14.55	14.45	19.5	3.5
15	256QAM	50	12	14.73	14.70	14.61	14.68		
Channel									
Frequency (MHz)				3552.5	3900	3552.5	3907.5	Time-up limit (min)	MFR (dB)
15	QPSK	1	0	18.04	18.26	18.14	18.02		
15	QPSK	1	15	18.03	18.18	18.17	18.03	19.5	0
15	QPSK	1	30	18.01	18.13	18.12	18.02		
15	QPSK	1	45	18.11	18.11	18.11	18.11		
15	QPSK	12	7	18.03	17.88	18.06	17.92	19.5	0
15	QPSK	12	15	18.10	17.97	18.12	18.14		
15	QPSK	25	0	18.05	18.13	18.13	18.02		
15	16QAM	1	0	17.96	18.08	18.05	17.89		
15	16QAM	1	12	17.96	18.02	17.81	17.95	19.5	0
15	16QAM	1	24	17.84	17.85	17.85	17.85		
15	16QAM	12	0	17.48	17.63	17.68	17.62		
15	16QAM	12	12	17.47	17.60	17.60	17.60	19.5	0.5
15	16QAM	12	15	17.60	17.60	17.64	17.67		
15	64QAM	1	0	17.63	17.61	17.66	17.63		
15	64QAM	1	12	17.67	17.62	17.67	17.68	19.5	0.5
15	64QAM	1	12	17.66	17.64	17.71	17.67		
15	64QAM	12	0	16.79	16.81	16.81	16.78		
15	64QAM	12	7	16.79	16.80	16.87	16.95		
15	64QAM	12	12	16.83	16.83	16.80	16.79	19.5	1.5
15	256QAM	1	0	16.95	16.85	16.76	16.90		
15	256QAM	1	12	14.71	14.61	14.41	14.50	19.5	3.5
15	256QAM	1	24	14.59	14.67	14.55	14.69		
15	256QAM	1	45	14.62	14.72	14.74	14.74		
15	256QAM	12	7	14.97	14.51	14.59	14.58	19.5	3.5
15	256QAM	12	15	14.52	14.57	14.53	14.60		
15	256QAM	50	0	14.50	14.40	14.55	14.45		

Band 42 Ant10 DSI5													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)					
Channel				42160	42560	42660							
Frequency (MHz)				3466	3500	3546							
20	QPSK	1	0	18.43	18.47	18.16	19.7	0					
20	QPSK	1	40	18.28	18.32	18.45							
20	QPSK	1	80	18.42	18.34	18.42							
20	QPSK	50	0	18.23	18.48	18.26	19.7	0					
20	QPSK	50	24	18.17	18.18	18.42							
20	QPSK	50	48	18.35	18.15	18.29							
20	QPSK	100	0	18.26	18.39	17.96	19.7	0					
20	16QAM	1	0	18.25	18.33	18.44							
20	16QAM	1	40	18.22	18.25	18.26							
20	16QAM	1	80	18.37	18.44	18.11	19.7	0					
20	16QAM	50	0	18.24	18.11	18.85							
20	16QAM	50	24	18.27	18.18	18.33							
20	16QAM	100	0	18.21	18.13	18.25	19.7	0					
20	16QAM	100	0	18.25	18.29	18.31							
20	8QAM	1	0	18.26	18.33	17.82	19.7	0					
20	8QAM	1	80	18.11	18.17	18.42							
20	8QAM	1	96	18.35	18.28	18.25							
20	8QAM	50	0	18.22	18.17	18.27	19.7	0					
20	8QAM	50	24	18.35	18.25	18.05							
20	8QAM	50	50	18.17	18.31	18.27							
20	256QAM	1	0	18.49	18.25	17.99	19.7	0					
20	256QAM	1	40	18.11	18.27	18.39							
20	256QAM	1	80	18.33	18.18	18.35							
20	256QAM	50	0	18.28	18.38	18.03	19.7	0					
20	256QAM	50	24	18.28	18.36	18.44							
20	256QAM	50	48	18.25	18.33	18.35							
20	256QAM	100	0	18.30	18.27	18.35							
Channel				42160	42560	42660							
Frequency (MHz)				3467.5	3500	3547.5							
15	QPSK	1	0	18.39	18.37	17.89	19.7	0					
15	QPSK	1	32	18.11	18.25	18.32							
15	QPSK	1	74	18.35	18.27	18.29							
15	QPSK	36	0	18.18	18.26	17.86	19.7	0					
15	QPSK	36	20	17.89	18.12	18.26							
15	QPSK	36	36	18.35	18.16	18.28							
15	16QAM	1	0	18.07	18.21	18.29	19.7	0					
15	16QAM	1	32	18.21	18.27	18.18							
15	16QAM	1	74	18.14	18.38	17.90							
15	16QAM	36	0	18.05	18.23	17.84	19.7	0					
15	16QAM	36	20	18.04	18.03	18.11							
15	16QAM	36	36	18.03	18.02	18.25							
15	16QAM	75	0	18.24	18.28	18.35							
15	8QAM	1	0	18.35	18.14	18.14	19.7	0					
15	8QAM	1	32	18.19	18.43	17.82							
15	8QAM	1	74	18.19	18.19	18.15	19.7	0					
15	8QAM	36	0	18.13	18.03	18.11							
15	8QAM	36	20	18.36	18.03	17.91	19.7	0					
15	8QAM	36	36	18.10	18.27	18.27							
15	8QAM	75	0	18.10	18.18	18.15		19.7	0				
15	256QAM	1	0	18.27	18.24	18.27							
15	256QAM	1	32	17.95	18.24	18.27	19.7	0					
15	256QAM	1	74	18.25	18.12	18.29							
15	256QAM	36	0	18.14	18.28	17.80	19.7	0					
15	256QAM	36	20	18.09	18.20	18.26							
15	256QAM	36	36	18.14	18.14	18.30		19.7	0				
15	256QAM	75	0	18.18	18.17	18.32							
Channel				42160	42560	42660							
Frequency (MHz)				3451.5	3500	3547.5							
10	QPSK	1	0	18.14	18.45	18.08	19.7	0					
10	QPSK	1	25	18.07	18.15	18.43							
10	QPSK	1	40	18.35	18.53	18.14		19.7	0				
10	QPSK	25	0	18.03	18.39	18.03							
10	QPSK	25	12	18.09	18.17	18.27	19.7	0					
10	QPSK	25	37	18.15	18.04	18.13							
10	QPSK	50	0	18.31	18.28	17.88		19.7	0				
10	16QAM	1	0	18.07	18.19	18.25							
10	16QAM	1	25	18.29	18.44	18.11	19.7	0					
10	16QAM	1	40	18.07	18.12	18.33							
10	16QAM	25	0	18.38	18.17	18.28		19.7	0				
10	16QAM	25	12	17.88	18.27	18.23							
10	16QAM	50	0	18.23	18.11	18.11	19.7	0					
10	8QAM	1	0	18.43	18.33	18.11							
10	8QAM	1	25	18.07	18.11	18.25	19.7	0					
10	8QAM	1	40	18.38	18.36	18.26							
10	8QAM	25	0	18.20	17.89	18.12		19.7	0				
10	8QAM	25	12	18.30	18.19	18.23							
10	8QAM	25	37	18.01	18.18	18.09	19.7	0					
10	8QAM	50	0	18.18	18.23	18.14							
10	256QAM	1	0	18.25	18.29	18.01	19.7	0					
10	256QAM	1	25	18.09	18.30	18.43							
10	256QAM	1	40	18.22	18.23	18.21		19.7	0				
10	256QAM	25	0	18.19	18.18	17.96							
10	256QAM	25	12	18.11	18.26	18.37	19.7	0					
10	256QAM	25	37	18.18	18.24	18.29							
10	256QAM	50	0	18.18	18.18	18.28		19.7	0				
Channel				3451.5	3500	3547.5							
Frequency (MHz)				3451.5	3500	3547.5							
5	QPSK	1	0	18.36	18.31	17.86	19.7	0					
5	QPSK	1	15	18.27	18.13	18.29							
5	QPSK	1	24	18.36	18.13	18.19		19.7	0				
5	QPSK	12	7	18.02	18.16	18.21							
5	QPSK	12	13	18.28	17.86	18.13	19.7	0					
5	QPSK	12	19	18.15	18.23	18.18							
5	16QAM	1	0	18.08	18.12	18.36		19.7	0				
5	16QAM	1	12	18.07	18.25	18.04							
5	16QAM	1	24	18.34	18.30	17.92	19.7	0					
5	16QAM	12	0	18.23	18.28	17.99							
5	16QAM	12	7	17.97	18.05	18.19		19.7	0				
5	16QAM	12	13	18.17	18.14	18.24							
5	16QAM	25	0	18.23	18.29	18.15	19.7	0					
5	16QAM	25	7	18.35	18.12	17.99							
5	8QAM	1	0	18.37	18.27	18.37		19.7	0				
5	8QAM	1	12	18.07	18.27	18.37							
5	8QAM	1	24	18.32	18.13	18.26	19.7		0				
5	8QAM	12	0	18.28	17.86	18.23							
5	8QAM	12	7	18.38	18.14	17.92	19.7	0					
5	8QAM	12	13	17.86	18.26	18.08							
5	8QAM	25	0	18.38	18.24	17.95	19.7	0					
5	8QAM	25	7	18.30	18.27	18.35							
5	256QAM	1	0	18.21	18.18	18.29	19.7	0					
5	256QAM	1	12	18.17	18.34	18.38							
5	256QAM	1	24	18.27	18.33	18.35		19.7	0				
5	256QAM	12	0	18.32	18.13	18.15							
5	256QAM	12	7	18.06	18.24	18.32	19.7	0					
5	256QAM	12	13	18.18	18.12	18.24							
5	256QAM	25	0	18.15	18.14	18.23		19.7	0				
5	256QAM	25	7	18.22	18.33	18.33							

Band 42 Ant11 DSI5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPE (dB)			
Channel				42160	42600	42660					
Frequency (MHz)				3466	3600	3646					
20	QPSK	1	0	20.58	20.84	20.88	22.5	0			
20	QPSK	1	40	20.59	20.87	20.84					
20	QPSK	1	80	20.63	20.86	20.81					
20	QPSK	50	0	20.62	20.78	20.54					
20	QPSK	50	24	20.58	20.64	20.72	22.5	0			
20	QPSK	50	48	20.51	20.61	20.53					
20	QPSK	100	0	20.56	20.71	20.53					
20	16QAM	1	0	20.60	20.68	20.59					
20	16QAM	1	40	20.67	20.74	20.76	22.5	0			
20	16QAM	1	80	20.59	20.59	20.68					
20	16QAM	50	0	20.72	20.72	20.80					
20	16QAM	50	24	20.66	20.75	20.54					
20	16QAM	100	0	20.73	20.52	20.70	21.5	1			
20	16QAM	100	0	20.68	20.49	20.70					
20	64QAM	1	0	20.61	20.76	20.64					
20	64QAM	1	40	20.59	20.51	20.45					
20	64QAM	1	80	20.67	20.63	20.69	21.5	1			
20	64QAM	1	160	20.62	20.61	20.71					
20	64QAM	50	24	19.51	19.61	19.85					
20	64QAM	50	50	19.59	19.62	19.69					
20	64QAM	100	0	19.65	19.74	19.73	20.5	4			
20	256QAM	1	0	17.52	17.95	17.89					
20	256QAM	1	40	17.54	17.54	17.68					
20	256QAM	1	80	17.74	17.58	17.74					
20	256QAM	50	0	17.48	17.72	17.67					
20	256QAM	50	24	17.52	17.61	17.61					
20	256QAM	50	48	17.73	17.50	17.67					
20	256QAM	100	0	17.75	17.63	17.61					
Channel				42160	42600	42660					
Frequency (MHz)				3467.5	3600	3642.5					
15	QPSK	1	0	20.70	20.68	20.71	22.5	0			
15	QPSK	1	37	20.71	20.61	20.50					
15	QPSK	1	74	20.53	20.55	20.51					
15	QPSK	36	0	20.68	20.68	20.54					
15	QPSK	36	20	20.53	20.58	20.78	22.5	0			
15	QPSK	36	39	20.54	20.72	20.55					
15	QPSK	36	78	20.50	20.73	20.61					
15	16QAM	1	0	20.60	20.64	20.56					
15	16QAM	1	37	20.54	20.58	20.77	22.5	0			
15	16QAM	1	74	20.54	20.58	20.77					
15	16QAM	36	0	20.70	20.70	20.68					
15	16QAM	36	20	20.74	20.70	20.56					
15	16QAM	36	39	20.69	20.47	20.72	21.5	1			
15	16QAM	75	0	20.61	20.46	20.63					
15	64QAM	1	0	20.58	20.67	20.59					
15	64QAM	1	37	20.47	20.45	20.50					
15	64QAM	1	74	20.62	20.51	20.51	21.5	1			
15	64QAM	36	0	19.64	19.65	19.69					
15	64QAM	36	20	19.67	19.57	19.62					
15	64QAM	36	39	19.65	19.62	19.64					
15	64QAM	75	0	19.59	19.76	19.68	20.5	2			
15	256QAM	1	0	17.55	17.45	17.65					
15	256QAM	1	74	17.77	17.65	17.77					
15	256QAM	36	0	17.57	17.72	17.74					
15	256QAM	36	20	17.85	17.88	17.85	18.5	4			
15	256QAM	36	39	17.81	17.47	17.68					
15	256QAM	75	0	17.72	17.73	17.63					
Channel				42160	42600	42660					
Frequency (MHz)				3621.5	3660	3697.5					
10	QPSK	1	0	20.54	20.78	20.69	22.5	0			
10	QPSK	1	25	20.51	20.57	20.60					
10	QPSK	1	50	20.67	20.73	20.55					
10	QPSK	25	0	20.58	20.65	20.64					
10	QPSK	25	12	20.52	20.61	20.62	22.5	0			
10	QPSK	25	37	20.58	20.68	20.54					
10	QPSK	50	0	20.65	20.62	20.64					
10	16QAM	1	0	20.55	20.63	20.60					
10	16QAM	1	25	20.79	20.81	20.79	22.5	0			
10	16QAM	1	49	20.64	20.58	20.72					
10	16QAM	25	0	20.75	20.60	20.59					
10	16QAM	25	12	20.74	20.66	20.62					
10	16QAM	25	37	20.61	20.44	20.70	21.5	1			
10	16QAM	50	0	20.77	20.65	20.72					
10	64QAM	1	0	20.73	20.67	20.63					
10	64QAM	1	25	20.68	20.59	20.43					
10	64QAM	1	49	20.59	20.71	20.65	21.5	1			
10	64QAM	25	0	19.59	19.73	19.61					
10	64QAM	25	12	19.57	19.62	19.67					
10	64QAM	25	37	19.52	19.54	19.72					
10	64QAM	50	0	19.74	19.65	19.71	20.5	2			
10	64QAM	50	25	19.65	19.58	19.70					
10	256QAM	1	0	17.63	17.77	17.77					
10	256QAM	1	25	17.65	17.54	17.77					
10	256QAM	1	49	17.65	17.45	17.76	18.5	4			
10	256QAM	25	0	17.41	17.64	17.64					
10	256QAM	25	12	17.77	17.77	17.77					
10	256QAM	25	37	17.76	17.45	17.71					
10	256QAM	50	0	17.64	17.49	17.50	18.5	4			
Channel				3621.5	3660	3697.5					
Frequency (MHz)				3622.5	3660	3697.5					
5	QPSK	1	0	20.56	20.80	20.69	22.5	0			
5	QPSK	1	12	20.51	20.66	20.58					
5	QPSK	1	24	20.59	20.75	20.60					
5	QPSK	12	0	20.62	20.67	20.64					
5	QPSK	12	7	20.55	20.74	20.53	22.5	0			
5	QPSK	12	13	20.51	20.62	20.58					
5	QPSK	25	0	20.55	20.62	20.63					
5	16QAM	1	0	20.63	20.62	20.64					
5	16QAM	1	12	20.56	20.64	20.61	22.5	0			
5	16QAM	1	24	20.56	20.64	20.77					
5	16QAM	12	0	20.71	20.69	20.58					
5	16QAM	12	7	20.73	20.74	20.59					
5	16QAM	12	13	20.75	20.43	20.61	21.5	1			
5	16QAM	25	0	20.59	20.47	20.61					
5	64QAM	1	0	20.65	20.78	20.76					
5	64QAM	1	12	20.66	20.60	20.48					
5	64QAM	1	24	20.75	20.53	20.72	21.5	1			
5	64QAM	12	0	19.72	19.92	19.81					
5	64QAM	12	7	19.69	19.69	19.67					
5	64QAM	12	13	19.60	19.60	19.65					
5	64QAM	25	0	19.60	19.79	19.79	20.5	2			
5	256QAM	1	0	17.48	17.83	17.69					
5	256QAM	1	12	17.45	17.45	17.60					
5	256QAM	1	24	17.79	17.62	17.77					
5	256QAM	12	0	17.69	17.66	17.68	18.5	4			
5	256QAM	12	7	17.69	17.88	17.67					
5	256QAM	12	13	17.78	17.49	17.78					
5	256QAM	25	0	17.69	17.66	17.55					

Band 48 Ant11 DSI5											
BW (MHz)	Modulation	RB Size	RB Offset	Power/ Ch / Freq (dBm)	Power/ Ch / Freq (dBm)	Power/ Ch / Freq (dBm)	Power/ Ch / Freq (dBm)	Time-up limit (dBm)	MPE (dB)		
Channel				50340	50800	50160	50680				
Frequency (MHz)				3660	3660	3661	3661				
20	QPSK	1	0	19.74	19.84	19.71	19.59	21.5	0		
20	QPSK	1	49	19.69	19.52	19.58	19.55				
20	QPSK	1	89	19.61	19.70	19.59	19.62				
20	QPSK	50	0	19.53	19.80	19.58	19.67				
20	QPSK	1	0	19.66	19.81	19.59	19.62	21.5	0		
20	QPSK	1	49	19.61	19.52	19.58	19.55				
20	QPSK	1	89	19.74	19.75	19.59	19.53				
20	QPSK	50	0	19.53	19.80	19.58	19.67				
20	16QAM	1	49	19.65	19.65	19.62	19.57	21.5	0		
20	16QAM	1	89	19.55	19.71	19.54	19.65				
20	16QAM	1	129	19.57	19.63	19.52	19.67				
20	16QAM	50	24	19.71	19.62	19.76	19.62				
20	16QAM	1	0	19.74	19.74	19.59	19.55	21.5	0		
20	16QAM	1	49	19.65	19.55	19.59	19.57				
20	16QAM	1	89	19.57	19.74	19.59	19.57				
20	16QAM	50	0	19.57	19.74	19.59	19.57				
20	64QAM	1	0	19.67	19.69	19.61	19.57	21.5	0		
20	64QAM	1	49	19.62	19.62	19.59	19.59				
20	64QAM	1	89	19.70	19.63	19.71	19.57				
20	64QAM	50	0	19.63	19.57	19.62	19.57				
20	64QAM	1	0	19.69	19.78	19.59	19.59	20.5	1		
20	64QAM	1	49	19.66	19.58	19.78	19.69				
20	64QAM	1	89	19.65	19.64	19.50	19.59				
20	64QAM	50	0	19.58	19.78	19.59	19.59				
20	256QAM	1	0	19.70	19.70	19.62	19.60	18.5	3		
20	256QAM	1	49	19.61	19.61	19.55	19.66				
20	256QAM	1	89	19.77	19.78	19.62	19.65				
20	256QAM	50	0	19.70	19.60	19.62	19.67				
20	256QAM	1	0	19.67	19.64	19.54	19.75	18.5	3		
20	256QAM	1	49	19.70	19.73	19.62	19.65				
20	256QAM	1	89	19.73	19.62	19.62	19.69				
20	256QAM	50	0	19.74	19.76	19.68	19.65				
Channel				50340	50800	50160	50680	Time-up limit (dBm)	MPE (dB)		
Frequency (MHz)				3661.5	3608	3641	3607.5				
15	QPSK	1	0	19.52	19.78	19.50	19.63	21.5	0		
15	QPSK	1	37	19.59	19.63	19.63	19.63				
15	QPSK	1	74	19.62	19.62	19.75	19.57				
15	QPSK	30	0	19.59	19.65	19.59	19.65				
15	QPSK	30	0	19.51	19.69	19.58	19.62	21.5	0		
15	QPSK	30	39	19.51	19.72	19.59	19.59				
15	QPSK	30	78	19.65	19.62	19.64	19.71				
15	16QAM	1	0	19.57	19.62	19.72	19.54				
15	16QAM	1	37	19.59	19.62	19.72	19.57	21.5	0		
15	16QAM	1	74	19.62	19.62	19.72	19.54				
15	16QAM	30	39	19.54	19.60	19.64	19.60				
15	16QAM	30	78	19.64	19.62	19.72	19.63				
15	64QAM	1	0	19.52	19.60	19.67	19.57	21.5	0		
15	64QAM	1	37	19.62	19.62	19.72	19.64				
15	64QAM	1	74	19.62	19.59	19.87	19.57				
15	64QAM	30	0	19.64	19.65	19.65	19.65				
15	64QAM	30	0	19.59	19.58	19.62	19.54	20.5	1		
15	64QAM	30	20	19.62	19.58	19.66	19.62				
15	64QAM	30	59	19.62	19.63	19.53	19.58				
15	64QAM	70	0	19.61	19.70	19.68	19.54				
15	256QAM	1	0	19.65	19.65	19.71	19.54	18.5	3		
15	256QAM	1	37	19.51	19.65	19.71	19.54				
15	256QAM	1	74	19.61	19.71	19.50	19.53				
15	256QAM	30	0	19.64	19.64	19.64	19.64				
15	256QAM	30	0	19.59	19.58	19.54	19.54	18.5	3		
15	256QAM	30	20	19.65	19.71	19.60	19.59				
15	256QAM	30	59	19.69	19.64	19.54	19.55				
15	256QAM	70	0	19.71	19.73	19.62	19.59				
Channel				50340	50800	50160	50680	Time-up limit (dBm)	MPE (dB)		
Frequency (MHz)				3660	3607	3641	3607.5				
15	QPSK	1	0	19.70	19.80	19.51	19.50	21.5	0		
15	QPSK	1	25	19.58	19.58	19.53	19.51				
15	QPSK	1	50	19.65	19.65	19.53	19.58				
15	QPSK	20	0	19.59	19.73	19.60	19.59				
15	QPSK	25	12	19.52	19.67	19.50	19.68	21.5	0		
15	QPSK	25	37	19.55	19.67	19.50	19.68				
15	QPSK	50	0	19.73	19.58	19.57	19.57				
15	QPSK	50	25	19.55	19.64	19.64	19.64				
15	16QAM	1	24	19.65	19.72	19.53	19.62	21.5	0		
15	16QAM	1	24	19.55	19.72	19.53	19.62				
15	16QAM	1	49	19.59	19.60	19.64	19.55				
15	16QAM	20	12	19.55	19.51	19.73	19.52				
15	16QAM	20	12	19.55	19.51	19.73	19.52	21.5	0		
15	16QAM	20	37	19.55	19.51	19.73	19.52				
15	16QAM	50	0	19.54	19.55	19.61	19.60				
15	64QAM	1	0	19.54	19.68	19.57	19.69				
15	64QAM	1	24	19.53	19.64	19.64	19.54	21.5	0		
15	64QAM	1	49	19.63	19.55	19.59	19.63				
15	64QAM	25	0	19.61	19.69	19.54	19.59				
15	64QAM	25	12	19.57	19.64	19.51	19.61				
15	64QAM	25	20	19.57	19.58	19.56	19.61	20.5	1		
15	64QAM	25	37	19.57	19.58	19.56	19.61				
15	64QAM	25	49	19.68	19.55	19.64	19.52				
15	256QAM	1	0	19.64	19.74	19.73	19.61				
15	256QAM	1	24	19.61	19.61	19.51	19.61	18.5	3		
15	256QAM	1	49	19.71	19.60	19.70	19.71				
15	256QAM	1	89	19.68	19.68	19.50	19.68				
15	256QAM	20	0	19.70	19.71	19.58	19.54				
15	256QAM	50	0	19.72	19.72	19.78	19.58	18.5	3		
15	256QAM	50	25	19.72	19.72	19.78	19.58				
Channel				5052.5	3607	3641	3607.5			Time-up limit (dBm)	MPE (dB)
Frequency (MHz)				3660	3607	3641	3607.5				
5	QPSK	1	0	19.86	19.74	19.66	19.68	21.5	0		
5	QPSK	1	12	19.82	19.68	19.58	19.58				
5	QPSK	1	24	19.79	19.59	19.63	19.54				
5	QPSK	12	0	19.60	19.60	19.54	19.53				
5	QPSK	12	7	19.53	19.50	19.68	19.59	21.5	0		
5	QPSK	12	15	19.61	19.60	19.56	19.52				
5	QPSK	12	24	19.69	19.61	19.54	19.59				
5	QPSK	12	32	19.65	19.63	19.58	19.59				
5	16QAM	1	0	19.55	19.63	19.58	19.59	21.5	0		
5	16QAM	1	12	19.57	19.62	19.58	19.59				
5	16QAM	1	24	19.59	19.58	19.58	19.54				
5	16QAM	12	0	19.63	19.63	19.51	19.63				
5	16QAM	12	7	19.68	19.63	19.53	19.61	21.5	0		
5	16QAM	12	15	19.61	19.72	19.63	19.59				
5	16QAM	12	24	19.53	19.57	19.61	19.52				
5	16QAM	12	32	19.52	19.52	19.58	19.59				
5	64QAM	1	12	19.64	19.68	19.55	19.58	21.5	0		
5	64QAM	1	24	19.63	19.63	19.53	19.63				
5	64QAM	12	0	19.61	19.67	19.58	19.60				
5	64QAM	12	6	19.51	19.67	19.58	19.60				
5	64QAM	12	7	19.52	19.67	19.58	19.51	20.5	1		
5	64QAM	12	15	19.51	19.55	19.60	19.55				
5	64QAM	12	24	19.64	19.53	19.59	19.60				
5	64QAM	12	32	19.66	19.58	19.58	19.58				
5	256QAM	1	12	19.51	19.61	19.73	19.73	18.5	3		
5	256QAM	1	24	19.64	19.72	19.74	19.61				
5	256QAM	1	32	19.55	19.64	19.64	19.64				
5	256QAM	12	7	19.70	19.70	19.77	19.63				
5	256QAM	12	15	19.74	19.59	19.53	19.54	18.5	3		
5	256QAM	12	24	19.72	19.69	19.63	19.63				
5	256QAM	12	32	19.74	19.69	19.53	19.54				
5	256QAM	12	32	19.72	19.69	19.63	19.63				

Full Power level/Default Power level for WWAN Other PA

Band 4 Ant5 Default										Band 66 Ant5 DSI4																				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mode	Power High Ch. Freq. (MHz)	Tune-up (dB)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mode	Power High Ch. Freq. (MHz)	Tune-up (dB)	MPR (dB)												
Channel										Channel																				
Frequency (MHz)										Frequency (MHz)																				
20	QPSK	1	0	24.36	24.45	24.44			25.5	0	20	QPSK	1	0	24.31	24.52	24.49			25.5	0									
20	QPSK	1	49	24.30	24.33	24.38				20	QPSK	1	49	24.30	24.45	24.44			20		QPSK	1	49	24.30	24.45	24.44				
20	QPSK	1	99	24.43	24.44	24.18				20	QPSK	1	99	24.39	24.47	24.46			20		QPSK	1	99	24.39	24.47	24.46				
20	QPSK	50	5	23.47	23.58	23.47				20	QPSK	50	5	23.34	23.54	23.55			20		QPSK	50	5	23.34	23.54	23.55				
20	QPSK	36	24	23.29	23.40	23.29				20	QPSK	36	24	23.29	23.40	23.29			20		QPSK	36	24	23.29	23.40	23.29				
20	QPSK	36	50	23.55	23.44	23.36			24.5	1	20	QPSK	36	50	23.50	23.30	23.61			24.5	1	20	QPSK	36	50	23.50	23.30	23.61		
20	QPSK	100	0	23.53	23.46	23.38				20	QPSK	100	0	23.54	23.55	23.51			24.5	1	20	QPSK	100	0	23.54	23.55	23.51			
20	16QAM	1	5	23.59	23.59	23.48				20	16QAM	1	5	23.59	23.68	23.58			24.5	1	20	16QAM	1	5	23.59	23.68	23.58			
20	16QAM	1	49	23.46	23.72	23.67				20	16QAM	1	49	23.67	23.67	23.72			24.5	1	20	16QAM	1	49	23.67	23.67	23.72			
20	16QAM	1	99	23.48	23.31	23.48				20	16QAM	1	99	23.58	23.58	23.66			24.5	1	20	16QAM	1	99	23.58	23.58	23.66			
20	16QAM	50	1	22.53	22.47	22.52			23.5	2	20	16QAM	50	1	22.72	22.52	22.59			23.5	2	20	16QAM	50	1	22.72	22.52	22.59		
20	16QAM	50	24	22.74	22.61	22.68				20	16QAM	50	24	22.65	22.68	22.58			23.5	2	20	16QAM	50	24	22.65	22.68	22.58			
20	16QAM	50	50	22.88	22.58	22.71				20	16QAM	50	50	22.94	22.75	22.59			23.5	2	20	16QAM	50	50	22.94	22.75	22.59			
20	16QAM	100	0	22.55	22.47	22.63				20	16QAM	100	0	22.83	22.79	22.69			23.5	2	20	16QAM	100	0	22.83	22.79	22.69			
20	16QAM	1	49	22.72	22.68	22.92				20	16QAM	1	49	22.62	22.58	22.87			23.5	2	20	16QAM	1	49	22.62	22.58	22.87			
20	16QAM	50	5	21.47	21.80	21.55			22.5	3	20	16QAM	50	5	21.59	21.52	21.78			22.5	3	20	16QAM	50	5	21.59	21.52	21.78		
20	16QAM	50	24	21.55	21.55	21.47				20	16QAM	50	24	21.68	21.68	21.42			22.5	3	20	16QAM	50	24	21.68	21.68	21.42			
20	16QAM	50	50	21.64	21.46	21.60				20	16QAM	50	50	21.78	21.79	21.82			22.5	3	20	16QAM	50	50	21.78	21.79	21.82			
20	16QAM	100	5	21.52	21.43	21.48				20	16QAM	100	5	21.71	21.62	21.68			22.5	3	20	16QAM	100	5	21.71	21.62	21.68			
20	16QAM	1	0	19.22	19.33	19.42				20	16QAM	1	0	19.42	19.45	19.49			22.5	3	20	16QAM	1	0	19.42	19.45	19.49			
20	256QAM	1	49	19.27	19.38	19.24			20.5	5	20	256QAM	1	49	19.37	19.31	19.49			20.5	5	20	256QAM	1	49	19.37	19.31	19.49		
20	256QAM	1	99	19.28	19.46	19.29				20	256QAM	1	99	19.33	19.36	19.35			20.5	5	20	256QAM	1	99	19.33	19.36	19.35			
20	256QAM	50	1	19.31	19.31	19.47				20	256QAM	50	1	19.31	19.47	19.47			20.5	5	20	256QAM	50	1	19.31	19.47	19.47			
20	256QAM	50	24	19.31	19.48	19.48				20	256QAM	50	24	19.38	19.47	19.61			20.5	5	20	256QAM	50	24	19.38	19.47	19.61			
20	256QAM	100	0	19.42	19.39	19.40				20	256QAM	100	0	19.71	19.32	19.57			20.5	5	20	256QAM	100	0	19.71	19.32	19.57			
Channel										Channel																				
Frequency (MHz)										Frequency (MHz)																				
15	QPSK	1	0	24.18	24.20	24.14			25.5	0	15	QPSK	1	0	24.10	24.25	24.18			25.5	0									
15	QPSK	1	37	24.07	24.32	24.18				15	QPSK	1	37	24.18	24.31	24.23			15		QPSK	1	37	24.18	24.31	24.23				
15	QPSK	1	74	24.34	24.33	24.01				15	QPSK	1	74	24.38	24.35	24.01			15		QPSK	1	74	24.38	24.35	24.01				
15	QPSK	36	0	23.28	23.27	23.38				15	QPSK	36	0	23.34	23.54	23.49			15		QPSK	36	0	23.34	23.54	23.49				
15	QPSK	36	20	23.38	23.40	23.29				15	QPSK	36	20	23.46	23.39	23.54			15		QPSK	36	20	23.46	23.39	23.54				
15	QPSK	36	59	23.50	23.38	23.45			24.5	1	15	QPSK	36	59	23.49	23.38	23.45			24.5	1	15	QPSK	36	59	23.49	23.38	23.45		
15	QPSK	75	0	23.39	23.38	23.62				15	QPSK	75	0	23.22	23.30	23.42			24.5	1	15	QPSK	75	0	23.22	23.30	23.42			
15	16QAM	1	5	23.34	23.38	23.35				15	16QAM	1	5	23.37	23.33	23.29			24.5	1	15	16QAM	1	5	23.37	23.33	23.29			
15	16QAM	1	37	23.39	23.45	23.53				15	16QAM	1	37	23.44	23.44	23.39			24.5	1	15	16QAM	1	37	23.44	23.44	23.39			
15	16QAM	1	74	23.28	23.31	23.28				15	16QAM	1	74	23.45	23.39	23.41			24.5	1	15	16QAM	1	74	23.45	23.39	23.41			
15	16QAM	36	0	22.35	22.19	22.33			23.5	2	15	16QAM	36	0	22.47	22.49	22.49			23.5	2	15	16QAM	36	0	22.47	22.49	22.49		
15	16QAM	36	20	22.38	22.41	22.33				15	16QAM	36	20	22.45	22.48	22.38			23.5	2	15	16QAM	36	20	22.45	22.48	22.38			
15	16QAM	36	59	22.48	22.29	22.52				15	16QAM	36	59	22.53	22.43	22.48			23.5	2	15	16QAM	36	59	22.53	22.43	22.48			
15	16QAM	75	0	22.39	22.29	22.49				15	16QAM	75	0	22.39	22.53	22.53			23.5	2	15	16QAM	75	0	22.39	22.53	22.53			
15	16QAM	1	0	22.45	22.49	22.48				15	16QAM	1	0	22.46	22.53	22.52			23.5	2	15	16QAM	1	0	22.46	22.53	22.52			
15	16QAM	1	37	22.55	22.49	22.57			23.5	2	15	16QAM	1	37	22.49	22.39	22.35			23.5	2	15	16QAM	1	37	22.49	22.39	22.35		
15	16QAM	1	74	22.38	22.41	22.55				15	16QAM	1	74	22.33	22.31	22.49			23.5	2	15	16QAM	1	74	22.33	22.31	22.49			
15	16QAM	36	0	21.33	21.45	21.42				15	16QAM	36	0	21.37	21.49	21.39			23.5	2	15	16QAM	36	0	21.37	21.49	21.39			
15	16QAM	36	20	21.42	21.39	21.34				15	16QAM	36	20	21.58	21.48	21.30			23.5	2	15	16QAM	36	20	21.58	21.48	21.30			
15	16QAM	36	59	21.51	21.37	21.19				15	16QAM	36	59	21.62	21.46	21.30			23.5	2	15	16QAM	36	59	21.62	21.46	21.30			
15	16QAM	75	0	21.25	21.26	21.31			22.5	3	15	16QAM	75	0	21.62	21.58	21.50			22.5	3	15	16QAM	75	0	21.62	21.58	21.50		
15	256QAM	1	0	19.19	19.26	19.28				15	256QAM	1	0	19.44	19.46	19.33			22.5	3	15	256QAM	1	0	19.44	19.46	19.33			
15	256QAM	1	37	19.00	19.21	19.07				15	256QAM	1	37	19.23	19.29	19.23			22.5	3	15	256QAM	1	37	19.23	19.29	19.23			
15	256QAM	1	74	19.24	19.08	19.30				15	256QAM	1	74	19.39	19.31	19.23			22.5	3	15	256QAM	1	74	19.39	19.31	19.23			
15	256QAM	36	0	19.22	19.32	19.45				15	256QAM	36	0	19.23	19.42	19.37			22.5	3	15	256QAM	36	0	19.23	19.42	19.37			
15	256QAM	36	20	19.18	19.38	19.41			20.5	5	15	256QAM	36	20	19.35	19.12	19.21			20.5	5	15	256QAM	36	20	19.35	19.12	19.21		
15	256QAM	36	59	19.27	19.40	19.15				15	256QAM	36	59	19.41	19.22	19.22			20.5	5	15	256QAM	36	59	19.41	19.22	19.22			
15	256QAM	75	0	19.11	19.14	19.45				15	256QAM	75	0	19.12	19.12	19.45			20.5	5	15	256QAM	75	0	19.12	19.12	19.45			
Channel										Channel																				
Frequency (MHz)										Frequency (MHz)																				
10	QPSK	1	0	24.21	24.19	24.24			25.5	0	10	QPSK	1	0	24.27	24.24	24.26			25.5	0									
10	QPSK	1	25	24.09	24.18	24.16				10	QPSK	1	25	24.10	24.26	24.19			10		QPSK	1	25	24.10	24.26	24.19				

Reduced power level for WWAN Other PA

Band 4 Ant5 DSI1										
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Middle Ch (dBm)	Power High Ch (dBm)	Turn-up time (sec)	APRS (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.24	15.32	15.31				
20	QPSK	1	49	15.02	15.14	15.25	16.5	0		
20	QPSK	1	98	15.14	15.26	14.89				
20	QPSK	50	0	15.36	15.07	15.23				
20	QPSK	50	24	14.95	14.94	15.21	16.5	0		
20	QPSK	50	49	15.21	15.06	15.01				
20	QPSK	100	0	15.17	15.25	15.25				
20	HQAM	1	0	15.16	15.27	15.24				
20	HQAM	1	49	14.98	15.12	15.16	16.5	0		
20	HQAM	1	98	15.06	15.36	14.81				
20	HQAM	50	0	15.16	15.13	15.27				
20	HQAM	50	24	15.04	15.08	15.13				
20	HQAM	50	49	15.03	15.09	14.86	16.5	0		
20	HQAM	100	0	14.91	14.94	15.15				
20	HQAM	1	0	15.21	15.26	15.27				
20	HQAM	1	49	14.96	15.12	15.09	16.5	0		
20	HQAM	50	0	15.01	15.02	14.81				
20	HQAM	50	49	15.15	15.08	14.87				
20	HQAM	100	0	15.26	15.22	15.15	16.5	0		
20	HQAM	50	24	14.98	15.05	14.79				
20	256QAM	1	0	15.14	15.11	15.13	16.5	0		
20	256QAM	1	49	14.95	14.93	15.25				
20	256QAM	1	98	15.12	15.27	14.85				
20	256QAM	50	0	15.22	15.12	15.25				
20	256QAM	50	24	14.92	15.09	15.12	16.5	0		
20	256QAM	50	49	14.96	15.22	14.88				
20	256QAM	100	0	14.93	15.12	14.75				
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.19	15.17	15.18				
15	QPSK	1	37	14.98	15.13	15.08	16.5	0		
15	QPSK	1	74	15.02	15.07	14.75				
15	QPSK	50	0	15.21	15.12	15.18				
15	QPSK	50	24	14.78	14.78	15.17	16.5	0		
15	QPSK	50	39	14.84	15.10	14.73				
15	QPSK	100	0	15.08	15.12	15.12				
15	HQAM	1	0	15.07	15.23	15.12	16.5	0		
15	HQAM	1	37	14.87	15.08	15.25				
15	HQAM	1	74	15.13	15.22	14.84				
15	HQAM	50	0	14.96	15.03	15.07				
15	HQAM	50	24	14.96	14.86	15.03	16.5	0		
15	HQAM	50	39	14.90	15.09	14.82				
15	HQAM	75	0	14.78	14.89	15.09				
15	HQAM	1	0	14.75	14.58	14.51	16.5	0		
15	HQAM	1	37	14.75	14.58	14.51				
15	HQAM	1	74	14.92	15.12	14.83				
15	HQAM	50	0	15.06	15.12	15.05				
15	HQAM	50	24	15.27	15.05	15.10	16.5	0		
15	HQAM	50	39	14.96	14.85	15.06				
15	HQAM	100	0	15.15	15.22	14.86				
15	256QAM	1	0	15.16	15.21	15.26				
15	256QAM	1	37	15.04	15.06	15.29	16.5	0		
15	256QAM	1	74	15.05	15.12	14.78				
15	256QAM	50	0	14.84	15.17	15.29				
15	256QAM	50	24	15.06	15.15	15.17	16.5	0		
15	256QAM	50	39	15.01	15.06	15.10				
15	256QAM	75	0	15.15	15.22	14.86				
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.10	15.26	15.12				
10	QPSK	1	12	15.23	15.25	15.21	16.5	0		
10	QPSK	1	24	15.02	15.14	15.25				
10	QPSK	12	0	15.10	15.18	15.25				
10	QPSK	12	7	14.84	14.90	15.25				
10	QPSK	12	15	15.12	15.15	15.25				
10	QPSK	25	0	15.16	15.20	15.15	16.5	0		
10	QPSK	25	7	15.23	15.10	15.11				
10	QPSK	25	15	14.81	14.98	15.19				
10	QPSK	50	0	15.24	15.18	14.86				
10	QPSK	1	0	15.23	15.22	15.30				
10	QPSK	1	12	15.07	15.20	15.07	16.5	0		
10	QPSK	1	24	15.01	15.13	15.15				
10	QPSK	12	19	15.03	15.08	14.83				
10	QPSK	25	0	14.78	14.87	15.17				
10	QPSK	25	7	15.13	15.15	15.15	16.5	0		
10	QPSK	25	15	15.13	14.92	14.73				
10	QPSK	50	0	15.13	15.08	14.83				
10	QPSK	1	0	15.01	15.13	14.72				
10	QPSK	1	12	15.10	15.08	15.23	16.5	0		
10	QPSK	1	24	15.10	15.08	15.23				
10	QPSK	12	0	14.93	15.10	14.84				
10	QPSK	12	7	14.93	15.10	14.84				
10	QPSK	12	15	14.93	15.10	14.84				
10	QPSK	25	0	14.83	15.10	15.24	16.5	0		
10	QPSK	25	7	14.83	15.10	15.24				
10	QPSK	25	15	14.83	15.10	15.24				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.15	15.22	15.25				
3	QPSK	1	8	14.83	15.22	15.28	16.5	0		
3	QPSK	1	14	14.93	15.10	14.89				
3	QPSK	8	0	15.15	15.22	15.25				
3	QPSK	8	4	14.76	14.77	15.25	16.5	0		
3	QPSK	8	7	14.80	15.09	14.80				
3	QPSK	8	15	14.87	15.09	14.80				
3	HQAM	1	0	15.19	15.11	15.25				
3	HQAM	1	8	14.83	15.08	15.29	16.5	0		
3	HQAM	1	14	14.93	15.08	14.83				
3	HQAM	8	0	15.04	15.02	15.13				
3	HQAM	8	4	14.86	14.85	15.27	16.5	0		
3	HQAM	8	7	14.87	14.86	15.11				
3	HQAM	8	15	14.87	14.86	15.11				
3	HQAM	1	0	15.16	15.12	15.25				
3	HQAM	1	8	14.83	15.03	14.98	16.5	0		
3	HQAM	1	14	14.83	15.03	14.98				
3	HQAM	8	0	15.04	15.02	15.16				
3	HQAM	8	4	14.85	14.85	15.23	16.5	0		
3	HQAM	8	7	14.85	14.85	15.23				
3	HQAM	8	15	14.85	14.85	15.23				
3	HQAM	1	0	14.94	15.07	14.88	16.5	0		
3	HQAM	1	8	14.94	15.07	14.88				
3	HQAM	1	14	14.94	15.07	14.88				
Channel										
Frequency (MHz)										
14	QPSK	1	0	15.08	15.22	15.30				
14	QPSK	1	3	14.84	15.07	15.11	16.5	0		
14	QPSK	1	6	14.93	15.15	14.88				
14	QPSK	3	0	15.13	15.31	15.25				
14	QPSK	3	3	15.02	15.12	15.07	16.5	0		
14	QPSK	3	6	15.02	15.12	15.07				
14	QPSK	6	0	15.16	15.17	15.05	16.5	0		
14	QPSK	1	0	15.16	15.21	15.16				
14	QPSK	1	3	14.85	15.08	15.11				
14	QPSK	1	6	15.05	15.13	14.83				
14	QPSK	3	0	15.07	15.24	15.11	16.5	0		
14	QPSK	3	3	14.87	14.86	15.11				
14	QPSK	3	6	14.94	14.99	14.81				
14	QPSK	6	0	15.03	15.14	15.11	16.5	0		
14	QPSK	6	3	15.16	15.12	15.25				
14	QPSK	6	6	14.83	15.03	14.98				
14	QPSK	1	0	15.04	15.03	14.78	16.5	0		
14	QPSK	1	3	15.07	15.07	14.81				
14	QPSK	1	6	14.93	15.07	14.84				
14	QPSK	3	0	14.92	15.18	15.18				
14	QPSK	3	3	14.81	14.86	15.14	16.5	0		



Ant 0 Full Power DS11&2&3&4&5									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	21.90	23.50	
21100	21298	QPSK	0	0	1	99	22.03	23.50	
21350	21152	QPSK	0	0	1	99	21.90	23.50	

Ant 3 Full Power DS11&4									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	24.49	25.50	
21100	21298	QPSK	1	0	1	99	24.57	25.50	
21350	21152	QPSK	1	0	1	99	24.56	25.50	

Ant 4 Full Power Full									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	24.35	25.00	
21100	21298	QPSK	1	0	1	99	24.40	25.00	
21350	21152	QPSK	1	0	1	99	24.32	25.00	

Ant 5 Full Power DS12&4									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	24.38	25.00	
21100	21298	QPSK	1	0	1	99	24.48	25.00	
21350	21152	QPSK	1	0	1	99	24.32	25.00	

Ant 3 Down Power DS12&3&5									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	18.47	19.50	
21100	21298	QPSK	0	0	1	99	18.56	19.50	
21350	21152	QPSK	0	0	1	99	18.40	19.50	
20850	21048	QPSK	50	0	1	49	18.44	19.50	
21100	21298	QPSK	50	0	1	49	18.51	19.50	
21350	21152	QPSK	50	0	1	49	18.38	19.50	

Ant 4 Down Power DS11&3&5									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	16.53	17.00	
21100	21298	QPSK	0	0	1	99	16.59	17.00	
21350	21152	QPSK	0	0	1	99	16.50	17.00	
20850	21048	QPSK	50	0	1	49	16.35	17.00	
21100	21298	QPSK	50	0	1	49	16.50	17.00	
21350	21152	QPSK	50	0	1	49	16.37	17.00	

Ant 4 Down Power DS12&4									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	19.40	20.00	
21100	21298	QPSK	1	0	1	99	19.47	20.00	
21350	21152	QPSK	1	0	1	99	19.33	20.00	
20850	21048	QPSK	50	0	1	49	19.37	20.00	
21100	21298	QPSK	50	0	1	49	19.43	20.00	
21350	21152	QPSK	50	0	1	49	19.31	20.00	

Ant 5 Down Power DS13									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	20.31	21.00	
21100	21298	QPSK	1	0	1	99	20.40	21.00	
21350	21152	QPSK	1	0	1	99	20.30	21.00	
20850	21048	QPSK	50	0	1	49	20.28	21.00	
21100	21298	QPSK	50	0	1	49	20.16	21.00	
21350	21152	QPSK	50	0	1	49	20.19	21.00	

Ant 5 Down Power DS11&5									
CA_7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	17.40	18.00	
21100	21298	QPSK	1	0	1	99	17.41	18.00	
21350	21152	QPSK	1	0	1	99	17.16	18.00	
20850	21048	QPSK	50	0	1	49	17.38	18.00	
21100	21298	QPSK	50	0	1	49	17.40	18.00	
21350	21152	QPSK	50	0	1	49	17.21	18.00	

UL CA									
Ant 0 Full Power DS11&2&3&4&5									
CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	21.40	23.00	
38000	38198	QPSK	1	0	1	99	21.50	23.00	
38150	37952	QPSK	1	0	1	99	21.47	23.00	

Ant 3 Full Power DS11&4									
CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	23.97	25.50	
38000	38198	QPSK	1	0	1	99	24.20	25.50	
38150	38348	QPSK	1	0	1	99	23.87	25.50	

Ant 4 Full Power Full									
CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	24.09	25.00	
38000	38198	QPSK	1	0	1	99	24.29	25.00	
38150	37952	QPSK	1	0	1	99	24.17	25.00	

Ant 5 Full Power DS12&4									
CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	23.82	25.00	
38000	38198	QPSK	1	0	1	99	23.92	25.00	
38150	37952	QPSK	1	0	1	99	23.76	25.00	

Ant 3 Down Power DS12&3&5									
CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	20.89	22.50	
38000	38198	QPSK	1	0	1	99	21.17	22.50	
38150	37952	QPSK	1	0	1	99	20.74	22.50	
37850	38048	QPSK	50	0	1	49	20.83	22.50	
38000	38198	QPSK	50	0	1	49	21.15	22.50	
38150	37952	QPSK	50	0	1	49	20.89	22.50	

Ant 4 Down Power DS11&5									
CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		measured Power (dBm)	run up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	19.06	20.00	
38000	38198	QPSK	1	0	1	99	19.30	20.00	
38150	38348	QPSK	1	0	1	99	19.10	20.00	
37850	38048	QPSK	50	0	1	49	19.10	20.00	
38000	38198	QPSK	50	0	1	49	19.28	20.00	
38150	38348	QPSK	50	0	1	49	19.12	20.00	

2CA DL

Configure	PCC										SCC					Power	
	LTE	Ant	BW (MHz)	UL Freq (MHz)	UL Channel	Mod.	UL#		DL Antenna Configuration	DL Antenna Configuration	LTE	BW (MHz)	DL Freq (MHz)	DL Channel	DL Antenna Configuration	With CA	Without CA
	Band						RB	RB								Tx Power (dBm)	Tx Power (dBm)
	Offset																
CA_2C	Band 2	Ant3	20M	1880	18900	QPSK	1	0			Band 2	20M	1979.8	1098		24.55	24.63
	Band 2	Ant4	20M	1880	18900	QPSK	1	0			Band 2	20M	1979.8	1098		23.55	23.77
CA_4A-17A	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 17	10M	740	5790		21.79	21.87
	Band 4	Ant3	10M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 17	10M	740	5790		24.63	24.66
	Band 4	Ant4	10M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 17	10M	740	5790		23.10	23.25
	Band 4	Ant5	10M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 17	10M	740	5790		23.10	23.14
	Band 17	Ant0	10M	710	23790	QPSK	1	0			Band 4	10M	2132.5	2175	4x4MMO	24.21	24.36
CA_4A_48A	Band 17	Ant1	10M	710	23790	QPSK	1	0			Band 4	10M	2132.5	2175	4x4MMO	24.21	24.22
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	21.72	21.87
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	24.54	24.66
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	23.14	23.25
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	22.93	23.14
	Band 48	Ant0	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	21.39	21.45
	Band 48	Ant9	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	23.76	23.75
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	24.16	24.36
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	21.60	21.76
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 41	20M	40620	2593	4x4MMO	24.18	24.39
CA_5A_41A	Band 5	Ant1	10M	836.5	20525	QPSK	1	0			Band 41	20M	2593	40620	4x4MMO	24.19	24.22
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		21.72	21.77
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		24.24	24.26
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		24.42	24.45
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		23.82	23.97
CA_5A_48A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 48	20M	3641	56150	4x4MMO	24.18	24.39
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0			Band 48	20M	3641	56150	4x4MMO	24.03	24.22
	Band 48	Ant0	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		21.38	21.45
	Band 48	Ant9	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		23.63	23.75
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		24.30	24.36
CA_7A-25A	Band 48	Ant11	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 5	10M	881.5	2525		21.67	21.76
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 26	15M	876.5	8865		21.93	22.11
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 26	15M	876.5	8865		24.58	24.66
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 26	15M	876.5	8865		24.42	24.57
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 26	15M	876.5	8865		24.42	24.53
CA_7A-42A (Pair27Q)	Band 26	Ant0	15M	831.5	26865	QPSK	1	0			Band 7	20M	2655	3100	4x4MMO	24.21	24.41
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0			Band 7	20M	2655	3100	4x4MMO	24.16	24.24
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3575	43340	4x4MMO	22.03	22.11
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3575	43340	4x4MMO	24.61	24.66
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3575	43340	4x4MMO	24.50	24.57
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3575	43340	4x4MMO	24.50	24.53
	Band 42	Ant0	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 7	20M	2655	3100	4x4MMO	21.71	21.78
	Band 42	Ant9	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 7	20M	2655	3100	4x4MMO	23.83	23.81
	Band 42	Ant10	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 7	20M	2655	3100	4x4MMO	24.38	24.47
	Band 42	Ant11	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 7	20M	2655	3100	4x4MMO	21.52	21.72
CA_12A_48A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0			Band 48	20M	3641	56150	4x4MMO	24.40	24.38
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0			Band 48	20M	3641	56150	4x4MMO	24.19	24.28
	Band 48	Ant0	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 12	10M	737.5	5095		21.25	21.45
	Band 48	Ant9	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 12	10M	737.5	5095		23.73	23.75
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 12	10M	737.5	5095		24.28	24.36
CA_38C	Band 48	Ant11	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 12	10M	737.5	5095		21.72	21.76
	Band 38	Ant0	20M	2595	38000	QPSK	1	0	4x4MMO	4x4MMO	Band 38	20M	2614.8	38198	4x4MMO	21.44	21.52
	Band 38	Ant3	20M	2595	38000	QPSK	1	0	4x4MMO	4x4MMO	Band 38	20M	2614.8	38198	4x4MMO	24.10	24.20
	Band 38	Ant4	20M	2595	38000	QPSK	1	0	4x4MMO	4x4MMO	Band 38	20M	2614.8	38198	4x4MMO	24.11	24.30
	Band 38	Ant5	20M	2595	38000	QPSK	1	0	4x4MMO	4x4MMO	Band 38	20M	2614.8	38198	4x4MMO	23.84	23.93
CA_41A-42A (Pair27Q)	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3500	42590	4x4MMO	21.69	21.77
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3500	42590	4x4MMO	24.10	24.26
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3500	42590	4x4MMO	24.23	24.45
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 42	20M	3500	42590	4x4MMO	23.90	23.97
	Band 42	Ant0	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	21.67	21.78
	Band 42	Ant9	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	23.82	23.81
CA_41A_48A	Band 42	Ant10	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	24.46	24.47
	Band 42	Ant11	20M	3500	42590	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	21.63	21.72
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	21.77	21.77
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	24.06	24.26
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	24.46	24.45
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MMO	4x4MMO	Band 48	20M	3641	56150	4x4MMO	23.82	23.97
	Band 48	Ant0	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	21.24	21.45
	Band 48	Ant9	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	23.59	23.75
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	24.27	24.36
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 41	20M	2593	40620	4x4MMO	21.61	21.76
CA_48A_48A	Band 48	Ant0	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 48	5M	3552.5	55265	4x4MMO	21.33	21.45
	Band 48	Ant9	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 48	5M	3552.5	55265	4x4MMO	23.58	23.75
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 48	5M	3552.5	55265	4x4MMO	24.35	24.36
	Band 48	Ant11	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 48	5M	3552.5	55265	4x4MMO	21.77	21.76
CA_48A_56A	Band 48	Ant0	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 66	20M	2145	66786	4x4MMO	21.31	21.45
	Band 48	Ant9	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 66	20M	2145	66786	4x4MMO	23.72	23.75
	Band 48	Ant10	20M	3641	56150	QPSK	1	0	4x4MMO	4x4MMO	Band 66	20M	2145	66786	4x4MMO	24.15	

3CA DL

Configure	PCC									SCC1					SCC2					Power	
	LTE	Ant	BW	UL	Channel	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band		(MHz)	Freq. (MHz)			RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx Power (dBm)	Tx Power (dBm)
CA_2A-4A-5A	Band 2	An3	20M	1880	18800	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMO	Band 5	10M	881.5	2525		24.63	24.63
	Band 2	An4	20M	1880	18800	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMO	Band 5	10M	881.5	2525		23.86	23.77
	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		21.74	21.87
	Band 4	An3	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		24.45	24.66
	Band 4	An4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		23.07	23.25
	Band 4	An5	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		23.14	23.14
CA_2A_4A_7A	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.28	24.39
	Band 5	An1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.02	24.22
	Band 2	An3	20M	1880	18800	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMO	Band 7	20M	2655	3100	4x4MMO	24.47	24.63
	Band 2	An4	20M	1880	18800	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMO	Band 7	20M	2655	3100	4x4MMO	23.76	23.77
	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MMO	21.67	21.87
	Band 4	An3	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MMO	24.64	24.66
CA_2A_4A_12A	Band 4	An4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MMO	23.11	23.25
	Band 4	An5	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MMO	22.96	23.14
	Band 7	An0	20M	2535	21100	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	21.92	22.11
	Band 7	An3	20M	2535	21100	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.6	24.66
	Band 7	An4	20M	2535	21100	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.49	24.57
	Band 7	An5	20M	2535	21100	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.45	24.53
CA_2A-7A-12A	Band 2	An3	20M	1880	18800	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095		24.63	24.63
	Band 2	An4	20M	1880	18800	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095		23.57	23.77
	Band 4	An0	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 12	10M	737.5	5095		21.66	21.87
	Band 4	An3	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 12	10M	737.5	5095		24.99	24.66
	Band 4	An4	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 12	10M	737.5	5095		23.06	23.25
	Band 4	An5	20M	1732.5	20175	QPSK	1	0	4x4MMO	Band 2	20M	1960	900		Band 12	10M	737.5	5095		23.11	23.14
CA_2A-7A-7A	Band 12	An0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.21	24.38
	Band 12	An1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MMO	24.28	24.28
	Band 2	An3	20M	1880	18800	QPSK	1	0		Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	24.53	24.63
	Band 2	An4	20M	1880	18800	QPSK	1	0		Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	23.68	23.77
	Band 7	An0	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 2	20M	1960	900		21.89	22.11
	Band 7	An3	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 2	20M	1960	900		24.45	24.66
CA_2A-12A-66A	Band 7	An4	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 2	20M	1960	900		24.57	24.57
	Band 7	An5	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 2	20M	1960	900		24.43	24.53
	Band 2	An3	20M	1880	18800	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MMO	24.42	24.63
	Band 2	An4	20M	1880	18800	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MMO	23.76	23.77
	Band 12	An0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886	4x4MMO	24.39	24.38
	Band 12	An1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886	4x4MMO	24.2	24.28
CA_5A-7A-7A	Band 66	An0	20M	1745	132322	QPSK	1	0	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095		21.7	21.89
	Band 66	An3	20M	1745	132322	QPSK	1	0	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095		24.6	24.68
	Band 66	An4	20M	1745	132322	QPSK	1	0	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095		23.21	23.38
	Band 66	An5	20M	1745	132322	QPSK	1	0	4x4MMO	Band 4	20M	2132.5	2175	4x4MMO	Band 12	10M	737.5	5095		23.1	23.16
	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	24.4	24.39
	Band 5	An1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	24.21	24.22
CA_12-66A-66A	Band 7	An0	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 5	10M	881.5	2525		21.93	22.11
	Band 7	An3	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 5	10M	881.5	2525		24.63	24.66
	Band 7	An4	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 5	10M	881.5	2525		24.53	24.57
	Band 7	An5	20M	2535	21100	QPSK	1	0	4x4MMO	Band 7	5M	2687.5	3425	4x4MMO	Band 5	10M	881.5	2525		24.34	24.53
	Band 12	An0	10M	704	23060	QPSK	1	0		Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	24.22	24.38
	Band 12	An1	10M	704	23060	QPSK	1	0		Band 66	20M	2155	66886	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	24.22	24.28
CA_41A-42C	Band 66	An0	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		21.84	21.89
	Band 66	An3	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		24.54	24.68
	Band 66	An4	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		23.35	23.38
	Band 66	An5	20M	1745	132322	QPSK	1	0	4x4MMO	Band 66	5M	2197.5	67311	4x4MMO	Band 12	10M	737.5	5095		22.94	23.16
	Band 41	An0	20M	2593	40620	QPSK	1	0	4x4MMO	Band 42	20M	3575	43340	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	21.99	21.77
	Band 41	An3	20M	2593	40620	QPSK	1	0	4x4MMO	Band 42	20M	3575	43340	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	24.22	24.26
CA_41C-42A (Part 27Q)	Band 41	An4	20M	2593	40620	QPSK	1	0	4x4MMO	Band 42	20M	3575	43340	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	24.24	24.45
	Band 41	An5	20M	2593	40620	QPSK	1	0	4x4MMO	Band 42	20M	3575	43340	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	23.76	23.97
	Band 42	An0	20M	3575	43340	QPSK	1	0	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	Band 41	20M	2593	40620	4x4MMO	21.62	21.78
	Band 42	An9	20M	3575	43340	QPSK	1	0	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	Band 41	20M	2593	40620	4x4MMO	23.6	23.81
	Band 42	An10	20M	3575	43340	QPSK	1	0	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	Band 41	20M	2593	40620	4x4MMO	24.29	24.47
	Band 42	An11	20M	3575	43340	QPSK	1	0	4x4MMO	Band 42	20M	3594.8	43538	4x4MMO	Band 41	20M	2593	40			



4CA DL

Configure	PCC									SCC1					SCC2					SCC3					Power					
	LTE	Ant	BW	UL	UL	Mod.	ULF RB	UL RB Offset	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA (dBm)	Without CA Tx Power (dBm)				
	Band		(MHz)	Freq (MHz)	Channel					Band	(MHz)	Freq (MHz)	Channel		Band	(MHz)	Freq (MHz)	Channel		Band	(MHz)	Freq (MHz)	Channel				Band	(MHz)	Freq (MHz)	Channel
CA_2A-4A-7C	Band 2	Ant3	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	24.59	24.63				
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	23.78	23.77				
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900	21.85	21.87					
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900	24.87	24.66					
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900	23.11	23.25					
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900	22.95	23.14					
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175	4x4MMIMO	22.83	22.11				
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175	4x4MMIMO	24.49	24.66				
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175	4x4MMIMO	24.55	24.57				
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175	4x4MMIMO	24.43	24.53				
CA_5A-7A-6SA-6SA	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	22.83	22.11				
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.45	24.66				
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.55	24.57				
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.32	24.53				
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	24.28	24.39				
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	24.62	24.22				
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	21.82	21.89				
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	24.52	24.68				
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	23.38	23.38				
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	23.11	23.16				
CA_7C-6SA-6SA	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	22.84	22.11				
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.52	24.66				
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.46	24.57				
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 66	20M	2155	66886	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	24.62	24.53				
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	21.71	21.89				
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	24.56	24.68				
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	23.20	23.38				
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 66	5M	2197.5	67311	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	23.15	23.16				
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	22.83	22.11				
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	24.56	24.66				
CA_5A-7C-6SA	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	24.36	24.57				
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MMIMO	24.42	24.53				
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	24.38	24.39				
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MMIMO	Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	24.17	24.22				
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	21.79	21.89				
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	24.49	24.68				
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	23.28	23.38				
	Band 66	Ant5	20M	1745	132322	QPSK	1	0	4x4MMIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MMIMO	Band 7	20M	2674.8	3298	4x4MMIMO	22.88	23.16				

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPE (dB)
Channel									
Frequency (MHz)				166800	167300	167600	Turn-up time (dBm)		
20	PSS BPSK	1	1	24.48	24.52	24.53			0.0
20	PSS BPSK	1	53	24.37	24.41	24.24	25.0		0.0
20	PSS BPSK	1	104	24.26	24.40	24.33			
20	PSS BPSK	50	5	24.17	24.08	24.08	25.0	0.5	
20	PSS BPSK	50	28	24.13	23.95	23.96	25.0	0.0	
20	PSS BPSK	50	56	24.21	24.34	24.29			
20	PSS BPSK	100	0	23.85	23.53	23.53	25.0	0.5	
20	QPSK	1	1	24.44	24.50	24.53			
20	QPSK	1	53	24.37	24.50	24.48	25.0	0.0	
20	QPSK	1	104	24.46	24.50	24.36			
20	QPSK	50	0	23.40	23.50	23.62	24.5	1.0	
20	QPSK	50	26	23.57	23.67	23.58	25.0	0.0	
20	QPSK	50	50	23.67	23.85	23.58			
20	QPSK	100	0	22.55	22.60	22.58	24.5	1.0	
20	ISQAM	1	1	23.50	23.40	23.50	24.0	1.0	
20	ISQAM	1	1	22.25	22.17	22.15	23.0	1.5	
20	ISQAM	1	1	20.12	20.04	20.16	21.0	4.5	
Channel									
15	QPSK	1	1	24.40	24.60	24.47	25.0	0.0	
Channel									
10	QPSK	1	1	24.46	24.50	24.54	25.0	0.0	
Channel									
5	QPSK	1	1	24.42	24.67	24.40	25.0	0.0	

Full Power level/Default Power level for 5G NR Main PA

n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPE (dB)
Channel									
Frequency (MHz)				505000	507000	509000	Turn-up time (dBm)		
50	PSS BPSK	1	1	22.12	22.18	22.09			
50	PSS BPSK	1	135	22.07	22.10	22.02	24.0	0.0	
50	PSS BPSK	1	266	22.01	22.11	22.17			
50	PSS BPSK	136	5	21.87	21.73	21.84	23.0	0.5	
50	PSS BPSK	136	48	22.08	22.23	22.08	24.0	0.0	
50	PSS BPSK	136	135	21.84	21.79	21.86			
50	PSS BPSK	270	0	21.68	21.78	21.84	23.5	0.5	
50	QPSK	1	1	22.16	22.09	22.02			
50	QPSK	1	135	22.05	22.15	22.02	24.0	0.0	
50	QPSK	1	266	22.03	22.12	22.05			
50	QPSK	136	0	21.07	21.10	21.11	23.0	1.0	
50	QPSK	136	48	22.07	22.17	22.01	24.0	0.0	
50	QPSK	136	135	20.81	20.91	20.80			
50	QPSK	270	0	20.90	21.00	20.86	23.0	1.0	
50	ISQAM	1	1	21.14	21.20	21.16	23.0	1.0	
50	ISQAM	1	1	19.76	19.67	19.70	21.0	1.5	
50	ISQAM	1	1	17.88	17.76	17.92	19.0	4.5	
Channel									
40	QPSK	1	1	21.84	22.11	21.86	24.0	0.0	
Channel									
30	QPSK	1	1	21.88	22.08	21.97	24.0	0.0	
Channel									
25	QPSK	1	1	21.83	22.13	21.94	24.0	0.0	
Channel									
20	QPSK	1	1	21.89	22.03	21.91	24.0	0.0	
Channel									
10	QPSK	1	1	21.87	22.00	21.96	24.0	0.0	
Channel									
5	QPSK	1	1	22.07	22.00	22.08	24.0	0.0	

n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPE (dB)
Channel									
Frequency (MHz)				345000	346000	346000	Turn-up time (dBm)		
40	PSS BPSK	1	1	22.05	22.05	22.02			
40	PSS BPSK	1	108	22.71	22.68	22.59	24.5	0.0	
40	PSS BPSK	1	214	22.54	22.70	22.70			
40	PSS BPSK	108	5	22.11	22.16	22.19	24.0	0.5	
40	PSS BPSK	108	54	22.87	22.82	22.83	24.5	0.0	
40	PSS BPSK	108	108	22.37	22.30	22.41			
40	PSS BPSK	216	0	22.13	22.10	22.24	24.0	0.5	
40	QPSK	1	1	22.06	22.07	22.02			
40	QPSK	1	108	22.59	22.65	22.76	24.5	0.0	
40	QPSK	1	214	22.62	22.63	22.84			
40	QPSK	108	0	21.70	21.64	21.77	23.5	1.0	
40	QPSK	108	54	22.85	22.88	22.83	24.5	0.0	
40	QPSK	108	108	21.93	21.84	21.86			
40	QPSK	216	0	22.51	22.50	22.63	23.5	1.0	
40	ISQAM	1	1	21.66	21.58	21.63	23.0	1.0	
40	ISQAM	1	1	20.11	20.06	20.16	21.0	1.5	
40	ISQAM	1	1	18.07	18.00	18.10	19.0	4.5	
Channel									
30	QPSK	1	1	22.68	22.59	22.59	24.0	0.0	
Channel									
20	QPSK	1	1	22.58	22.70	22.80	24.5	0.0	
Channel									
15	QPSK	1	1	22.57	22.68	22.75	24.5	0.0	
Channel									
10	QPSK	1	1	22.54	22.70	22.75	24.5	0.0	
Channel									
5	QPSK	1	1	22.07	22.70	22.71	24.5	0.0	

n38 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel				2160.02	2160	2160.98			
Frequency (MHz)									
40	P12 BPSK	1	1	21.09	22.02	21.92			
40	P12 BPSK	1	93	21.83	21.80	21.79	23.5	0.0	
40	P12 BPSK	1	104	21.81	21.88	21.81			
40	P12 BPSK	30	0	21.42	21.43	21.43	23.0	0.5	
40	P12 BPSK	30	28	21.74	21.72	21.85	23.0	0.0	
40	P12 BPSK	30	66	21.52	21.62	21.54			
40	P12 BPSK	190	0	21.23	21.27	21.32	23.0	0.5	
40	QPSK	1	1	21.98	22.04	21.85			
40	QPSK	1	93	21.80	21.85	21.84	23.5	0.0	
40	QPSK	1	104	21.88	21.87	21.88			
40	QPSK	30	0	20.83	20.87	20.87	22.5	1.0	
40	QPSK	30	28	21.85	21.85	21.87	23.5	0.0	
40	QPSK	30	66	20.73	20.67	20.74	22.5	1.0	
40	QPSK	190	0	20.67	20.75	20.72			
40	8QAM	1	1	21.08	20.95	21.08	32.5	1.0	
40	8QAM	1	1	19.59	19.57	19.57	21.0	2.5	
40	25QAM	1	1	17.58	17.48	17.42	19.5	4.5	
Channel				5170.02	5169.99	5169.98	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)									
30	QPSK	1	1	22.01	22.01	22.01	23.5	0.0	
Channel				5180.00	5180.00	5220.00	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)									
30	QPSK	1	1	21.93	22.02	21.74	23.5	0.0	

n41 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid Ch./ Freq.	Power Mid Ch./ Freq.	Power Low Ch./ Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel									
Frequency (MHz)				2146.01	2150.30	2145			
100	P12 BPSK	1	1	21.03	21.04	21.17			
100	P12 BPSK	1	137	21.09	21.83	21.73	23.5	0.0	
100	P12 BPSK	1	271	21.58	21.7	21.85			
100	P12 BPSK	136	0	21.31	21.23	21.22	23.0	0.5	
100	P12 BPSK	136	66	21.51	21.50	21.88	23.0	0.0	
100	P12 BPSK	136	138	21.61	21.60	21.80			
100	P12 BPSK	236	0	21.24	21.15	21.31	23.0	0.5	
100	QPSK	1	1	22.09	22.13	21.83			
100	QPSK	1	137	21.82	21.83	21.81	23.5	0.0	
100	QPSK	1	271	21.85	21.83	21.88			
100	QPSK	136	0	20.79	20.85	20.89	22.5	1.0	
100	QPSK	136	66	22.05	22.07	21.91	23.5	0.0	
100	QPSK	136	138	20.51	20.67	20.88	22.5	1.0	
100	QPSK	236	0	21.65	21.64	21.82			
100	16QAM	1	1	20.53	20.54	20.97	32.5	1.0	
100	8QAM	1	1	19.43	19.41	19.49	21.0	2.5	
100	25QAM	1	1	17.38	17.33	17.40	19.5	4.5	
Channel									
Frequency (MHz)				5090.00	5180.98	5269.98	Time-up limit (dBfs)	MTR (dB)	
90	QPSK	1	1	22.04	22.02	21.9	23.5	0.0	
Channel									
Frequency (MHz)				5072.04	5180.98	5269.98	Time-up limit (dBfs)	MTR (dB)	
80	QPSK	1	1	21.98	22.03	21.92	23.5	0.0	
Channel									
Frequency (MHz)				5080.02	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
70	QPSK	1	1	22.03	22.08	21.82	23.5	0.0	
Channel									
Frequency (MHz)				5050.00	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
60	QPSK	1	1	21.98	22.03	21.83	23.5	0.0	
Channel									
Frequency (MHz)				5120.00	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
50	QPSK	1	1	21.94	22.00	21.83	23.5	0.0	
Channel									
Frequency (MHz)				5136.01	5180.30	5305	Time-up limit (dBfs)	MTR (dB)	
40	QPSK	1	1	21.89	22.02	21.86	23.5	0.0	
Channel									
Frequency (MHz)				5020.00	5180.98	5360.98	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	22.01	22.07	21.84	23.5	0.0	
Channel									
Frequency (MHz)				5012.04	5180.98	5360.98	Time-up limit (dBfs)	MTR (dB)	
20	QPSK	1	1	22.05	22.05	21.85	23.5	0.0	

Par270 n77 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel				3750	3690	3660			
Frequency (MHz)				3750	3690	3660			
100	P12 BPSK	1	1	21.84	21.83	21.87			
100	P12 BPSK	1	137	21.60	21.65	21.53	23.5	0.0	
100	P12 BPSK	1	271	21.58	21.52	21.68			
100	P12 BPSK	136	0	21.45	21.50	21.51	23.0	0.5	
100	P12 BPSK	136	66	21.76	21.67	21.74	23.0	0.0	
100	P12 BPSK	136	138	21.59	21.74	21.68			
100	P12 BPSK	236	0	21.30	21.35	21.38	23.0	0.0	0.0
100	QPSK	1	1	21.82	21.88	21.88			
100	QPSK	1	137	21.66	21.75	21.75	23.5	0.0	
100	QPSK	1	271	21.82	21.87	21.88			
100	QPSK	136	0	21.87	21.86	21.70	22.5	1.0	
100	QPSK	136	66	21.81	21.80	21.79	23.5	0.0	
100	QPSK	136	138	20.84	20.89	20.70	22.5	1.0	
100	QPSK	270	0	20.86	20.86	20.87			
100	8QAM	1	1	20.53	20.54	20.97	32.5	1.0	
100	8QAM	1	1	19.48	19.35	19.48	21.0	2.5	
100	25QAM	1	1	17.97	17.80	17.90	19.5	4.5	
Channel				8496.68	8560.00	8620.24	Time-up limit (dBfs)	MTR (dB)	
90	QPSK	1	1	21.94	22.00	21.91	23.5	0.0	
Channel				8493.34	8560.00	8626.68	Time-up limit (dBfs)	MTR (dB)	
80	QPSK	1	1	21.81	21.79	21.83	23.5	0.0	
Channel				8490.00	8560.00	8630.00	Time-up limit (dBfs)	MTR (dB)	
70	QPSK	1	1	21.81	21.74	21.57	23.5	0.0	
Channel				8486.68	8560.00	8633.34	Time-up limit (dBfs)	MTR (dB)	
60	QPSK	1	1	21.82	21.76	21.96	23.5	0.0	
Channel				8510.11	8560.00	8640.00	Time-up limit (dBfs)	MTR (dB)	
50	QPSK	1	1	21.88	21.91	21.80	23.5	0.0	
Channel				8490.00	8560.00	8640.00	Time-up limit (dBfs)	MTR (dB)	
40	QPSK	1	1	21.89	21.80	21.86	23.5	0.0	
Channel				8476.68	8560.00	8643.34	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	21.72	21.84	21.80	23.5	0.0	
Channel				8473.34	8560.00	8646.68	Time-up limit (dBfs)	MTR (dB)	
20	QPSK	1	1	21.64	21.76	21.67	23.5	0.0	

Part27Q n77 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6333.94					
100	PSS-BPSK	1	1	21.08					
100	PSS-BPSK	1	137	21.70			23.5	0.0	
100	PSS-BPSK	1	271	21.69					
100	PSS-BPSK	135	0	21.08					
100	PSS-BPSK	135	66	21.91			23.5	0.0	
100	PSS-BPSK	135	135	21.94					
100	PSS-BPSK	270	0	21.52			25.0	0.5	
100	QPSK	1	1	22.04					
100	QPSK	1	137	22.00			23.5	0.0	
100	QPSK	1	271	21.81					
100	QPSK	135	0	21.78					
100	QPSK	135	66	22.00			23.5	0.0	
100	QPSK	135	135	20.99					
100	QPSK	270	0	22.34			22.5	1.0	
100	ISQAM	1	1	21.04			25.5	1.0	
100	ISQAM	1	1	19.59			24.0	2.5	
100	ISQAM	1	1	17.08			18.0	4.5	
Channel									
Frequency (MHz)				6333.94		6333.98	Tune-up Int. (dBm)	MPR	
50	QPSK	1	1	21.70	21.67	21.67	23.5	0.0	
Channel									
Frequency (MHz)				6336.98		6333.94	Tune-up Int. (dBm)	MPR	
80	QPSK	1	1	6300.00	6300.01	6300	23.5	0.0	
80	QPSK	1	1	21.70	21.72	21.87	23.5	0.0	
Channel									
Frequency (MHz)				6333.94		6333.94	Tune-up Int. (dBm)	MPR	
70	QPSK	1	1	6300.00	6300.01	6315.81	23.5	0.0	
70	QPSK	1	1	21.63	21.89	21.80	23.5	0.0	
Channel									
Frequency (MHz)				6460		6460.01	Tune-up Int. (dBm)	MPR	
80	QPSK	1	1	21.63	21.74	21.89	23.5	0.0	
Channel									
Frequency (MHz)				6310.01		6310.01	Tune-up Int. (dBm)	MPR	
50	QPSK	1	1	21.70	21.77	21.68	23.5	0.0	
Channel									
Frequency (MHz)				6310.01		6310.01	Tune-up Int. (dBm)	MPR	
40	QPSK	1	1	21.68	21.69	21.73	23.5	0.0	
Channel									
Frequency (MHz)				6310.01		6310.01	Tune-up Int. (dBm)	MPR	
30	QPSK	1	1	21.60	21.64	21.73	23.5	0.0	
Channel									
Frequency (MHz)				6409.69		6333.94	Tune-up Int. (dBm)	MPR	
20	QPSK	1	1	21.70	21.69	21.68	23.5	0.0	

Part27O n78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PSS-BPSK	1	1	21.84					
100	PSS-BPSK	1	137	21.08			23.5	0.0	
100	PSS-BPSK	1	271	21.64					
100	PSS-BPSK	135	0	21.91			23.5	0.0	
100	PSS-BPSK	135	66	21.79			23.5	0.0	
100	PSS-BPSK	135	135	21.92					
100	PSS-BPSK	270	0	21.74			23.5	0.0	
100	QPSK	1	1	22.04					
100	QPSK	1	137	21.89			23.5	0.0	
100	QPSK	1	271	21.78					
100	QPSK	135	0	21.89			23.5	0.0	
100	QPSK	135	66	21.79			23.5	0.0	
100	QPSK	135	135	21.53			23.5	0.0	
100	QPSK	270	0	22.34			23.5	0.0	
100	ISQAM	1	1	21.05			25.5	1.0	
100	ISQAM	1	1	21.09			24.5	1.0	
100	ISQAM	1	1	19.01			18.5	3.5	
Channel									
Frequency (MHz)				6469.69	6500.00	6500.00	Tune-up Int. (dBm)	MPR	
50	QPSK	1	1	6470.01	6469.69	6470.01	23.5	0.0	
Channel									
Frequency (MHz)				6493.94	6500.00	6500.00	Tune-up Int. (dBm)	MPR	
80	QPSK	1	1	6460.00	6460.01	6460.00	23.5	0.0	
80	QPSK	1	1	21.65	21.64	21.80	23.5	0.0	
Channel									
Frequency (MHz)				6490.00	6500.00	6500.00	Tune-up Int. (dBm)	MPR	
70	QPSK	1	1	6490.00	6490.00	6490.00	23.5	0.0	
70	QPSK	1	1	21.65	21.81	21.57	23.5	0.0	
Channel									
Frequency (MHz)				6469.69	6469.69	6469.69	Tune-up Int. (dBm)	MPR	
80	QPSK	1	1	21.61	21.59	21.58	23.5	0.0	
Channel									
Frequency (MHz)				6310.01	6310.01	6310.01	Tune-up Int. (dBm)	MPR	
50	QPSK	1	1	21.50	21.68	21.50	23.5	0.0	
Channel									
Frequency (MHz)				6470.01	6470.01	6470.01	Tune-up Int. (dBm)	MPR	
40	QPSK	1	1	21.63	21.69	21.60	23.5	0.0	
Channel									
Frequency (MHz)				6470.01	6470.01	6470.01	Tune-up Int. (dBm)	MPR	
30	QPSK	1	1	21.64	21.63	21.59	23.5	0.0	
Channel									
Frequency (MHz)				6473.94	6500.00	6500.00	Tune-up Int. (dBm)	MPR	
20	QPSK	1	1	21.59	21.64	21.58	23.5	0.0	

Part27O n78 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 950000	Power Mode Ch. / Freq. 950000	Power High Ch. / Freq. 950000	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750				
100	PSS-BPSK	1	1	21.78					
100	PSS-BPSK	1	137	21.62			25.0	0.0	
100	PSS-BPSK	1	271	22.62					
100	PSS-BPSK	135	0	22.07			24.5	0.5	
100	PSS-BPSK	135	66	23.24			25.0	0.0	
100	PSS-BPSK	135	135	22.84			24.5	0.5	
100	PSS-BPSK	270	0	21.09			24.5	0.5	
100	QPSK	1	1	23.46			25.0	0.0	
100	QPSK	1	137	23.14					
100	QPSK	1	271	22.45			24.5	1.0	
100	QPSK	135	0	22.33			25.0	0.0	
100	QPSK	135	66	23.05			24.5	1.0	
100	QPSK	135	135	21.89			24.5	1.0	
100	QPSK	270	0	22.34			24.5	1.0	
100	ISQAM	1	1	21.00			25.0	1.0	
100	ISQAM	1	1	20.77			24.5	2.5	
100	ISQAM	1	1	18.38			18.5	4.5	
Channel									
Frequency (MHz)				6469.69	6500.00	Tune-up Int. (dBm)	MPR		
50	QPSK	1	1	6470.01	6469.69	6470.01	23.5	0.0	
Channel									
Frequency (MHz)				6493.94	6500.00	Tune-up Int. (dBm)	MPR		
80	QPSK	1	1	6460.00	6460.01	6460.00	23.5	0.0	
80	QPSK	1	1	23.26	25.24	23.18	25.0	0.0	
Channel									
Frequency (MHz)				6490.00	6500.00	Tune-up Int. (dBm)	MPR		
70	QPSK	1	1	6490.00	6490.00	6490.00	23.5	0.0	
70	QPSK	1	1	23.29	25.16	23.22	25.0	0.0	
Channel									
Frequency (MHz)				6469.69	6469.69	Tune-up Int. (dBm)	MPR		
80	QPSK	1	1	23.30	25.24	23.29	25.0	0.0	
Channel									
Frequency (MHz)				6310.01	6310.01	Tune-up Int. (dBm)	MPR		
50	QPSK	1	1	23.11	25.35	23.36	25.0	0.0	
Channel									
Frequency (MHz)				6470.01	6470.01	Tune-up Int. (dBm)	MPR		
40	QPSK	1	1	23.27	25.29	23.10	23.0	0.0	
Channel									
Frequency (MHz)				6470.01	6470.01	Tune-up Int. (dBm)	MPR		
30	QPSK	1	1	23.30	25.25	23.20	23.0	0.0	
Channel									
Frequency (MHz)				6473.94	6500.00	Tune-up Int. (dBm)	MPR		
20	QPSK	1	1	23.22	25.09	23.20	25.0	0.0	

Part27Q 78 PC3 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MPR (dB)			
Channel				633334		3500151					
Frequency (MHz)											
100	PSS-BPSK	1	1	21.79				23.5	0.0		
100	PSS-BPSK	1	137	21.87							
100	PSS-BPSK	1	271	21.93							
100	PSS-BPSK	135	0	21.98				23.5	0.0		
100	PSS-BPSK	135	66	21.94							
100	PSS-BPSK	135	138	21.78							
100	PSS-BPSK	270	0	21.76				23.0	0.5		
100	QPSK	1	1	22.00							
100	QPSK	1	137	21.94				23.5	0.0		
100	QPSK	1	271	21.83							
100	QPSK	135	0	21.86				23.5	0.0		
100	QPSK	135	66	21.93							
100	QPSK	135	138	21.59							
100	QPSK	270	0	21.64				22.2	1.0		
100	16QAM	1	1	21.70							
100	64QAM	1	1	21.19				24.0	2.5		
100	256QAM	1	1	19.07							
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
50	QPSK	1	1	21.79		21.86		23.5	0.0		
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
80	QPSK	1	1	21.70		21.79		23.5	0.0		
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
70	QPSK	1	1	21.73		21.68		21.79	23.5	0.0	
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
60	QPSK	1	1	21.70		21.77		21.79	23.5	0.0	
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
50	QPSK	1	1	21.68		21.68		21.68	23.5	0.0	
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
40	QPSK	1	1	21.68		21.64		21.87	22.9	0.5	
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
30	QPSK	1	1	21.71		21.73		21.63	23.5	0.0	
Channel				633334		633334		Tune-up Intvl (dB)			
Frequency (MHz)				633334		633334					
20	QPSK	1	1	21.62		21.64		21.60	23.5	0.0	

Part27Q 78 PC2 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334							
Frequency (MHz)				3500.91							
100	PSS-BPSK	1	1		23.21		25.0	0.0			
100	PSS-BPSK	1	137		23.27						
100	PSS-BPSK	1	271		22.74		24.5	0.5			
100	PSS-BPSK	135	0		22.75						
100	PSS-BPSK	135	66		23.08		25.0	0.0			
100	PSS-BPSK	135	138		22.82						
100	PSS-BPSK	270	0		21.27		24.5	0.5			
100	QPSK	1	1		23.30						
100	QPSK	1	137		22.23		25.0	0.0			
100	QPSK	1	271		22.27						
100	QPSK	135	0		22.76		24.5	1.0			
100	QPSK	135	66		23.79						
100	QPSK	135	138		21.70		25.0	0.0			
100	QPSK	270	0		21.70						
100	ISQAM	1	1		22.24		24.5	1.0			
100	ISQAM	1	1		21.75						
100	BQAM	1	1		20.68		22.5	2.5			
100	BQAM	1	1		19.73						
Channel				633500		633534	633568			Tune-up limit (dBm)	
Frequency (MHz)				3470		3500.91	3530.92				
50	QPSK	1	1	23.10	23.23	23.20	25.0			0.0	
Channel				633568		633594	634000			Tune-up limit (dBm)	
Frequency (MHz)				3490.00		3500.91	3510				
80	QPSK	1	1	23.17	23.25	23.29	25.0			0.0	
Channel				633534		633594	634334			Tune-up limit (dBm)	
Frequency (MHz)				3485.01		3500.91	3515.81				
70	QPSK	1	1	23.20	23.29	23.28	25.0			0.0	
Channel				633500		633534	634000			Tune-up limit (dBm)	
Frequency (MHz)				3490		3500.91	3500.99				
60	QPSK	1	1	23.19	23.08	23.19	25.0			0.0	
Channel				633500		633534	633568			Tune-up limit (dBm)	
Frequency (MHz)				3475.02		3500.91	3520				
50	QPSK	1	1	23.22	23.21	23.21	25.0			0.0	
Channel				633534		633568	633594			Tune-up limit (dBm)	
Frequency (MHz)				3470.01		3500.91	3500.91				
40	QPSK	1	1	23.27	23.23	23.19	23.0			0.0	
Channel				633500		633534	633568			Tune-up limit (dBm)	
Frequency (MHz)				3465		3500.91	3505.02				
30	QPSK	1	1	23.14	23.28	23.23	23.0			0.0	
Channel				633568		633594	634000			Tune-up limit (dBm)	
Frequency (MHz)				3460.02		3500.91	3510				
20	QPSK	1	1	23.12	23.29	23.17	25.0			0.0	

n5 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MFR (dB)
Channel				16400	16700	16900		
Frequency (MHz)				164	168	169		
20	PL2 BPSK	1	1	24.57	24.68	24.81	25.0	0.0
20	PL2 BPSK	1	63	24.53	24.65	24.86		
20	PL2 BPSK	1	104	24.34	24.41	24.31		
20	PL2 BPSK	50	0	23.91	24.03	23.90	24.5	0.5
20	PL2 BPSK	50	26	24.41	24.47	24.38	25.0	0.0
20	PL2 BPSK	50	56	23.50	23.56	23.69	24.5	0.5
20	PL2 BPSK	100	0	23.55	24.01	23.97		
20	QPSK	1	1	24.59	24.65	24.58		
20	QPSK	1	63	24.55	24.62	24.54	25.0	0.0
20	QPSK	1	104	24.27	24.43	24.31	24.0	1.0
20	QPSK	50	0	23.44	23.55	23.41		
20	QPSK	50	26	24.38	24.45	24.35		
20	QPSK	50	56	22.42	23.51	23.36	24.0	1.0
20	QPSK	100	0	22.44	23.55	23.36	24.0	1.0
20	16QAM	1	1	23.50	23.92	23.95		
20	16QAM	1	1	21.63	22.01	21.86		
20	256QAM	1	1	19.61	19.61	19.60	20.5	4.5
Channel				16850	16730	16850	Time-up limit	MFR
Frequency (MHz)				168.5	167.3	168.5	(dBm)	(dB)
15	QPSK	1	1	24.51	24.35	24.21	25.0	0.0
Channel				16860	16730	16860	Time-up limit	MFR
Frequency (MHz)				168.6	167.3	168.6	(dBm)	(dB)
10	QPSK	10	1	24.27	24.33	24.28	25.0	0.0
Channel				16500	16730	16500	Time-up limit	MFR
Frequency (MHz)				165.0	167.3	165.0	(dBm)	(dB)
5	QPSK	1	1	24.24	24.41	24.28	25.0	0.0

n7 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50700	50000			
Frequency (MHz)				2425	2430	2445			
50	P12 BPSK	1	1	22.10	22.30	22.70			
50	P12 BPSK	1	136	22.27	22.33	22.22	24.0	0.0	
50	P12 BPSK	1	268	22.21	22.31	22.17			
50	P12 BPSK	136	0	21.87	21.93	21.84	23.5	0.5	
50	P12 BPSK	136	68	22.28	22.43	22.28	24.0	0.0	
50	P12 BPSK	136	136	21.84	21.96	21.86			
50	P12 BPSK	272	0	21.58	21.65	21.84	23.5	0.5	
50	QPSK	1	1	22.48	22.68	22.52			
50	QPSK	1	136	22.25	22.35	22.32	24.0	0.0	
50	QPSK	1	268	22.23	22.32	22.28			
50	QPSK	136	0	21.27	21.36	21.31	23.0	1.0	
50	QPSK	136	68	22.15	22.30	22.21	24.0	0.0	
50	QPSK	136	136	21.31	21.47	21.36			
50	QPSK	272	0	21.46	21.60	21.36	23.0	1.0	
50	16QAM	1	1	21.34	21.45	21.36	23.0	1.0	
50	64QAM	1	1	19.67	19.77	19.83	21.5	2.5	
50	256QAM	1	1	17.88	17.98	17.82	19.5	4.5	
Channel				50400	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2420	2425	2430			
40	QPSK	1	1	22.44	22.62	22.41	24.0	0.0	
Channel				50300	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2415	2420	2425			
30	QPSK	1	1	22.43	22.65	22.34	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2433.2	2435	2437.5			
25	QPSK	1	1	22.31	22.61	22.53	24.0	0.0	
Channel				50600	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2430	2435	2440			
20	P12 BPSK	1	1	22.34	22.55	22.38	24.0	0.0	
Channel				50700	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2427.5	2430	2432.5			
15	QPSK	1	1	22.12	22.47	22.48	24.0	0.0	
Channel				50800	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2430	2425	2420			
10	QPSK	1	1	22.38	22.60	22.43	24.0	0.0	
Channel				50900	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2427.5	2425	2422.5			
5	QPSK	1	1	22.27	22.60	22.43	24.0	0.0	

n66 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000			
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	24.48	24.63	24.50			
40	P12 BPSK	1	108	24.52	24.60	24.54	25.5	0.0	
40	P12 BPSK	1	214	24.49	24.54	24.60			
40	P12 BPSK	108	0	24.11	24.63	24.67	25.0	0.5	
40	P12 BPSK	108	54	24.49	24.47	24.48	25.0	0.0	
40	P12 BPSK	108	108	24.15	24.52	24.11			
40	P12 BPSK	216	0	24.07	24.63	24.65	25.0	0.5	
40	QPSK	1	1	24.54	24.61	24.58			
40	QPSK	1	108	24.55	24.55	24.42	25.5	0.0	
40	QPSK	1	214	24.48	24.51	24.58			
40	QPSK	108	0	23.45	23.45	23.46	24.5	1.0	
40	QPSK	108	54	24.28	24.42	24.38	25.5	0.0	
40	QPSK	108	108	23.77	23.62	23.72	24.5	1.0	
40	QPSK	216	0	22.26	23.62	23.41			
40	16QAM	1	1	23.28	23.31	23.27	24.5	1.0	
40	64QAM	1	1	22.08	21.97	22.07	23.0	2.5	
40	256QAM	1	1	19.89	19.82	19.84	21.0	4.5	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1729	1730	1730			
30	QPSK	1	1	24.42	24.53	24.53	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1740	1740			
30	QPSK	1	1	24.42	24.50	24.54	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1731.2	1740	1732.5			
15	QPSK	1	1	24.41	24.54	24.55	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1735	1740	1735			
10	QPSK	1	1	24.43	24.50	24.54	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1732.5	1740	1737.5			
5	QPSK	1	1	24.51	24.57	24.50	25.5	0.0	

n38 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				5160.0	5160.0	5160.0			
40	PSSBPSK	1	1	22.65	22.70	22.74			
40	PSSBPSK	1	53	22.64	22.68	22.72	24.0	0.0	
40	PSSBPSK	1	104	22.64	22.68	22.72			
40	PSSBPSK	50	0	22.16	22.14	22.23	23.5	0.5	
40	PSSBPSK	50	28	22.59	22.60	22.61	24.0	0.0	
40	PSSBPSK	50	56	22.59	22.59	22.61			
40	PSSBPSK	100	0	22.25	22.17	22.11	33.5	0.5	
40	QPSK	1	1	22.67	22.74	22.71			
40	QPSK	1	53	22.65	22.64	22.62	24.0	0.0	
40	QPSK	1	104	22.61	22.43	22.53			
40	QPSK	50	0	21.72	21.62	21.62	23.0	1.0	
40	QPSK	50	28	22.60	22.60	22.48	24.0	0.0	
40	QPSK	50	56	22.51	22.50	22.36	23.0	1.0	
40	QPSK	100	0	21.56	21.60	21.54			
40	84QAM	1	1	21.55	21.55	21.55	23.0	1.0	
40	84QAM	1	1	20.20	20.25	20.34	21.5	2.5	
40	84QAM	1	1	18.12	18.11	18.31	13.5	4.5	
Channel									
Frequency (MHz)				5170.0	5169.0	5169.0	Time-up (ms)	MPR	
Frequency (MHz)				5204.0	5202.0	5204.0	Time-up (ms)	MPR	
30	QPSK	1	1	22.64	22.60	22.62	24.0	0.0	
Channel									
Frequency (MHz)				5180.0	5180.0	5200.0	Time-up (ms)	MPR	
Frequency (MHz)				5200.0	5200.0	5200.0	Time-up (ms)	MPR	
30	QPSK	1	1	22.63	22.61	22.68	24.0	0.0	

n41 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				2146.01	2142.30	2145			
100	PSSBPSK	1	1	22.71	22.60	22.80			
100	PSSBPSK	1	137	22.78	22.80	22.82	24.0	0.0	
100	PSSBPSK	1	271	22.61	22.72	22.75			
100	PSSBPSK	136	0	22.19	22.21	22.31	23.5	0.5	
100	PSSBPSK	136	68	22.71	22.60	22.82	24.0	0.0	
100	PSSBPSK	136	136	22.44	22.50	22.56			
100	PSSBPSK	270	0	22.43	22.35	22.31	33.5	0.5	
100	QPSK	1	1	22.73	22.80	22.80			
100	QPSK	1	137	22.68	22.61	22.82	24.0	0.0	
100	QPSK	1	271	22.76	22.73	22.82			
100	QPSK	136	0	21.82	21.66	21.73	23.0	1.0	
100	QPSK	136	68	22.65	22.60	22.61	24.0	0.0	
100	QPSK	136	136	21.82	21.78	21.82	23.0	1.0	
100	QPSK	270	0	21.76	21.66	21.66			
100	84QAM	1	1	21.66	21.70	21.70	23.0	1.0	
100	84QAM	1	1	20.39	20.37	20.34	21.5	2.5	
100	84QAM	1	1	18.38	18.21	18.30	13.5	4.5	
Channel									
Frequency (MHz)				5200.00	5180.00	5200.00	Time-up (ms)	MPR	
Frequency (MHz)				5204.01	5202.30	5204.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.63	22.70	22.74	24.0	0.0	
Channel									
Frequency (MHz)				5202.00	5180.00	5200.00	Time-up (ms)	MPR	
Frequency (MHz)				5204.02	5202.30	5204.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.70	22.61	22.67	24.0	0.0	
Channel									
Frequency (MHz)				5202.02	5180.00	5210.00	Time-up (ms)	MPR	
Frequency (MHz)				5204.03	5202.30	5204.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.72	22.77	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5206.00	5180.00	5210.00	Time-up (ms)	MPR	
Frequency (MHz)				5208.00	5202.30	5208.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.61	22.82	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5208.02	5206.30	5208.00	Time-up (ms)	MPR	
Frequency (MHz)				5210.03	5202.30	5210.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.68	22.67	22.72	24.0	0.0	
Channel									
Frequency (MHz)				5208.05	5180.00	5210.00	Time-up (ms)	MPR	
Frequency (MHz)				5210.01	5202.30	5210.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.67	22.62	22.78	24.0	0.0	
Channel									
Frequency (MHz)				5210.02	5202.30	5210.00	Time-up (ms)	MPR	
Frequency (MHz)				5211.00	5202.30	5210.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.70	22.70	22.63	24.0	0.0	
Channel									
Frequency (MHz)				5210.04	5180.00	5208.00	Time-up (ms)	MPR	
Frequency (MHz)				5210.05	5202.30	5210.00	Time-up (ms)	MPR	
20	QPSK	1	1	22.69	22.78	22.73	24.0	0.0	

n7 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)	
Channel				50000	50700	50000			
Frequency (MHz)				2435	2434	2445			
50	P12 BPSK	1	1	21.60	21.74	21.88	23.0	0.0	
50	P12 BPSK	1	136	21.55	21.70	21.58	23.0	0.0	
50	P12 BPSK	1	268	21.55	21.66	21.55	22.5	0.5	
50	P12 BPSK	136	0	21.12	21.22	21.15	22.5	0.5	
50	P12 BPSK	136	68	21.64	21.69	21.61	23.0	0.0	
50	P12 BPSK	136	136	21.12	21.12	21.04	22.5	0.5	
50	P12 BPSK	272	0	21.16	21.25	21.23	22.5	0.5	
50	QPSK	1	1	21.63	21.60	21.79	23.0	0.0	
50	QPSK	1	136	21.57	21.67	21.53	23.0	0.0	
50	QPSK	1	268	21.47	21.62	21.58	22.0	1.0	
50	QPSK	136	0	20.82	20.74	20.88	23.0	0.0	
50	QPSK	136	68	21.59	21.72	21.67	23.0	0.0	
50	QPSK	136	136	20.68	20.73	20.63	22.0	1.0	
50	QPSK	272	0	20.64	20.70	20.71	22.0	1.0	
50	16QAM	1	1	20.38	20.45	20.41	22.0	1.0	
50	64QAM	1	1	18.97	18.99	18.99	20.5	2.5	
50	256QAM	1	1	17.12	17.21	17.00	19.5	4.5	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	50700	50700	limit	limit	
40	QPSK	1	1	21.68	21.77	21.65	23.0	0.0	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	5068	5068	limit	limit	
30	QPSK	1	1	21.71	21.83	21.74	23.0	0.0	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	5070	5070	limit	limit	
25	QPSK	1	1	21.68	21.68	21.67	23.0	0.0	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	5070	5070	limit	limit	
20	P12 BPSK	1	1	21.63	21.76	21.59	23.0	0.0	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	5070	5070	limit	limit	
15	QPSK	1	1	21.73	21.77	21.68	23.0	0.0	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	5070	5070	limit	limit	
10	QPSK	1	1	21.77	21.63	21.50	23.0	0.0	
Channel				50000	50700	51000	Time-up limit	MPE	
Frequency (MHz)				50700	5070	5070	limit	limit	
5	QPSK	1	1	21.64	21.78	21.67	23.0	0.0	

n66 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)	
Channel				34000	34000	34000			
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	23.40	23.52	23.50	24.0	0.0	
40	P12 BPSK	1	108	23.71	23.70	23.69	24.0	0.0	
40	P12 BPSK	1	214	23.67	23.77	23.73	23.5	0.5	
40	P12 BPSK	108	0	23.13	23.11	23.18	23.5	0.5	
40	P12 BPSK	108	54	23.75	23.69	23.73	24.0	0.0	
40	P12 BPSK	108	108	23.36	23.32	23.42	23.5	0.5	
40	P12 BPSK	216	0	23.15	23.15	23.30	23.0	1.0	
40	QPSK	1	1	23.67	23.65	23.70	24.0	0.0	
40	QPSK	1	108	23.76	23.80	23.83	24.0	0.0	
40	QPSK	1	214	23.82	23.78	23.78	23.0	1.0	
40	QPSK	108	0	22.86	22.88	22.84	23.0	1.0	
40	QPSK	108	54	23.58	23.70	23.77	24.0	0.0	
40	QPSK	108	108	22.87	22.80	22.86	23.0	1.0	
40	QPSK	216	0	22.54	22.52	22.60	23.0	1.0	
40	16QAM	1	1	22.38	22.35	22.42	23.0	1.0	
40	64QAM	1	1	21.08	21.61	21.61	21.5	2.5	
40	256QAM	1	1	18.34	18.81	18.70	19.5	4.5	
Channel				34000	34000	34000	Time-up limit	MPE	
Frequency (MHz)				1730	1740	1740	limit	limit	
30	QPSK	1	1	23.65	23.73	23.64	24.0	0.0	
Channel				34000	34000	34000	Time-up limit	MPE	
Frequency (MHz)				1740	1740	1740	limit	limit	
30	QPSK	1	1	23.61	23.78	23.68	24.0	0.0	
Channel				34000	34000	34000	Time-up limit	MPE	
Frequency (MHz)				1711.2	1740	1722.5	limit	limit	
15	QPSK	1	1	23.60	23.79	23.58	24.0	0.0	
Channel				34000	34000	34000	Time-up limit	MPE	
Frequency (MHz)				1715	1740	1715	limit	limit	
10	QPSK	1	1	23.58	23.71	23.61	24.0	0.0	
Channel				34000	34000	34000	Time-up limit	MPE	
Frequency (MHz)				1712.5	1740	1717.5	limit	limit	
5	QPSK	1	1	23.67	23.74	23.59	24.0	0.0	

n38 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq. S16004	Power Middle Ch./Freq. S16006	Power High Ch./Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2160.02	2160	2160.98			
40	P12 BPSK	1	1	21.09	22.13	22.13			
40	P12 BPSK	1	53	22.08	22.13	21.38	23.5	0.0	
40	P12 BPSK	1	104	22.03	21.96	22.07			
40	P12 BPSK	50	5	21.87	21.53	21.87	23.0	0.5	
40	P12 BPSK	50	28	21.97	22.00	21.88	23.0	0.0	
40	P12 BPSK	50	56	22.15	22.07	22.07			
40	P12 BPSK	100	5	21.51	21.53	21.87	23.0	0.5	
40	QPSK	1	1	22.10	22.17	22.02			
40	QPSK	1	53	22.05	22.03	22.03	23.5	0.0	
40	QPSK	1	104	21.83	21.88	21.85			
40	QPSK	50	5	21.23	21.85	21.07	22.5	1.0	
40	QPSK	50	28	21.90	22.07	21.86	23.5	0.0	
40	QPSK	50	56	21.52	21.50	21.51	22.5	1.0	
40	QPSK	100	5	21.56	21.50	21.56			
40	16QAM	1	1	21.15	21.02	21.15	22.5	1.0	
40	64QAM	1	1	19.82	19.87	19.82	21.0	2.5	
40	256QAM	1	1	17.15	17.63	17.80	19.5	4.5	
Channel				5170.02	5169.98	5169.98	Time-up (ms)	MTR	
Frequency (MHz)				5169.01	5169	5169.99			
30	QPSK	1	1	21.06	22.00	21.00	23.5	0.0	
Channel				5180.00	5180.00	5180.00	Time-up (ms)	MTR	
Frequency (MHz)				5180	5180	5180			
30	QPSK	1	1	22.04	22.14	21.93	23.5	0.0	

n41 PC3 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S60005	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S60007	Time-up (ms) (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2148.01	2148.30	2148			
100	P12 BPSK	1	1	21.11	22.10	22.02			
100	P12 BPSK	1	137	22.08	22.13	22.10	23.5	0.0	
100	P12 BPSK	1	271	22.05	21.90	21.90			
100	P12 BPSK	136	5	21.82	21.53	21.88	23.0	0.5	
100	P12 BPSK	136	66	22.02	22.00	22.10	23.0	0.0	
100	P12 BPSK	136	136	21.86	21.94	21.83			
100	P12 BPSK	270	5	21.78	21.87	21.88	23.0	0.5	
100	QPSK	1	1	22.19	22.21	22.18			
100	QPSK	1	137	22.17	22.05	22.15	23.5	0.0	
100	QPSK	1	271	22.14	22.01	22.08			
100	QPSK	136	5	21.84	21.85	21.07	22.5	1.0	
100	QPSK	136	66	22.07	22.11	22.07	23.5	0.0	
100	QPSK	136	136	21.26	21.10	21.15	22.5	1.0	
100	QPSK	270	5	21.96	21.08	21.84			
100	16QAM	1	1	19.73	19.73	19.83	21.0	2.5	
100	256QAM	1	1	17.46	17.45	17.50	19.5	4.5	
Channel				5160.00	5160.00	5160.00	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5160.01	5160.00	5160.00			
90	QPSK	1	1	22.13	22.13	22.16	23.5	0.0	
Channel				5170.04	5169.98	5169.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5169.03	5169.99	5169.99			
80	QPSK	1	1	22.14	22.30	22.16	23.5	0.0	
Channel				5180.02	5180.00	5180.00	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5181.01	5180.30	5180			
70	QPSK	1	1	22.20	22.00	22.15	23.5	0.0	
Channel				5190.00	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5190.01	5189.99	5189.98			
60	QPSK	1	1	22.06	22.18	22.05	23.5	0.0	
Channel				5190.05	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5191.02	5190.30	5190.30			
Channel				5190.03	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5190.01	5189.98	5189.98			
40	QPSK	1	1	22.11	22.00	22.10	23.5	0.0	
Channel				5190.00	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5191.01	5190.30	5190.30			
30	QPSK	1	1	22.20	22.18	22.18	23.5	0.0	
Channel				5190.04	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5190.02	5189.99	5190.00			
20	QPSK	1	1	22.20	22.10	21.98	23.5	0.0	

n7 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MTR (dB)	
Channel									
				2525	2535	2545			
50	P12 BPSK	1	1	23.75	23.80	23.80	24.5	0.0	
50	P12 BPSK	1	136	23.77	23.87	23.75			
50	P12 BPSK	1	268	23.67	23.81	23.89			
50	P12 BPSK	136	0	23.22	23.32	23.21	24.0	0.5	
50	P12 BPSK	136	68	23.67	23.60	23.74	24.0	0.0	
50	P12 BPSK	136	136	23.25	23.32	23.21	24.0	0.5	
50	P12 BPSK	272	0	23.19	23.32	23.23			
50	QPSK	1	1	23.80	23.50	23.91			
50	QPSK	1	136	23.72	23.70	23.60	24.5	0.0	
50	QPSK	1	268	23.67	23.74	23.64			
50	QPSK	136	0	22.75	22.86	22.73	23.5	1.0	
50	QPSK	136	68	23.78	23.61	23.75	24.5	0.0	
50	QPSK	136	136	22.79	22.69	22.77	23.5	1.0	
50	QPSK	272	0	22.74	22.69	22.74	23.5	1.0	
50	16QAM	1	1	22.95	22.95	22.95			
50	16QAM	1	1	21.62	21.14	21.09	22.0	2.5	
50	256QAM	1	1	18.32	16.35	18.20	20.0	4.5	
Channel									
				504500	507000	510000	Time-up (ms)	MTR	
				504500	507000	510000	(dB)	(dB)	
40	QPSK	1	1	23.70	23.70	23.83	24.5	0.0	
Channel									
				503000	507000	511000	Time-up (ms)	MTR	
				503000	507000	511000	(dB)	(dB)	
30	QPSK	1	1	23.72	23.81	23.75	24.5	0.0	
Channel									
				502500	507000	511500	Time-up (ms)	MTR	
				502500	507000	511500	(dB)	(dB)	
25	QPSK	1	1	23.70	23.67	23.85	24.5	0.0	
Channel									
				501000	507000	510000	Time-up (ms)	MTR	
				501000	507000	510000	(dB)	(dB)	
20	P12 BPSK	1	1	23.68	23.64	23.69	24.5	0.0	
Channel									
				500500	507000	510500	Time-up (ms)	MTR	
				500500	507000	510500	(dB)	(dB)	
15	QPSK	1	1	23.73	23.67	23.72	24.5	0.0	
Channel									
				500000	507000	510000	Time-up (ms)	MTR	
				500000	507000	510000	(dB)	(dB)	
10	QPSK	1	1	23.72	23.70	23.75	24.5	0.0	
Channel									
				500000	507000	510000	Time-up (ms)	MTR	
				500000	507000	510000	(dB)	(dB)	
5	QPSK	1	1	23.80	23.84	23.71	24.5	0.0	

n66 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (ms)	MTR (dB)	
Channel									
				1730	1740	1750			
40	P12 BPSK	1	1	23.75	23.43	23.44	24.5	0.0	
40	P12 BPSK	1	108	23.32	23.43	23.31			
40	P12 BPSK	1	214	23.10	23.42	23.46			
40	P12 BPSK	108	0	22.98	22.98	22.98	24.0	0.5	
40	P12 BPSK	108	54	23.41	23.40	23.14	24.0	0.0	
40	P12 BPSK	108	108	22.96	22.94	23.12	24.0	0.5	
40	P12 BPSK	216	0	22.97	22.95	23.01			
40	QPSK	1	1	23.40	23.40	23.33			
40	QPSK	1	108	23.11	23.42	23.30	24.5	0.0	
40	QPSK	1	214	23.40	23.38	23.21			
40	QPSK	108	0	22.80	22.48	22.83	23.5	1.0	
40	QPSK	108	54	23.39	23.42	23.29	24.5	0.0	
40	QPSK	108	108	22.69	22.57	22.81	23.5	1.0	
40	QPSK	216	0	22.25	22.44	22.34	23.5	1.0	
40	16QAM	1	1	22.38	22.33	22.35			
40	16QAM	1	1	20.89	20.86	20.81	22.0	2.5	
40	256QAM	1	1	18.79	18.71	18.81	20.0	4.5	
Channel									
				340500	340900	341000	Time-up (ms)	MTR	
				340500	340900	341000	(dB)	(dB)	
30	QPSK	1	1	23.28	23.30	23.29	24.5	0.0	
Channel									
				340000	340900	340900	Time-up (ms)	MTR	
				340000	340900	340900	(dB)	(dB)	
30	QPSK	1	1	23.30	23.30	23.29	24.5	0.0	
Channel									
				340500	340900	340900	Time-up (ms)	MTR	
				340500	340900	340900	(dB)	(dB)	
15	QPSK	1	1	23.30	23.30	23.20	24.5	0.0	
Channel									
				340000	340900	340900	Time-up (ms)	MTR	
				340000	340900	340900	(dB)	(dB)	
10	QPSK	1	1	23.33	23.37	23.29	24.5	0.0	
Channel									
				340000	340900	340900	Time-up (ms)	MTR	
				340000	340900	340900	(dB)	(dB)	
5	QPSK	1	1	23.28	23.36	23.19	24.5	0.0	

n38 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. 518004	Power Middle Ch. / Freq. 518006	Power High Ch. / Freq. 518008	Time-up (ms)	MTR	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	23.97	24.02	23.91	24.5	0.0	
40	P12 BPSK	1	53	23.85	24.00	23.91			
40	P12 BPSK	1	104	23.91	23.91	23.91			
40	P12 BPSK	50	0	23.92	23.91	23.80	24.0	0.5	
40	P12 BPSK	50	28	23.93	24.01	24.01	24.0	0.0	
40	P12 BPSK	50	56	23.96	23.98	23.87	24.0	0.5	
40	P12 BPSK	100	0	23.97	23.95	23.88			
40	P12 BPSK	100	56	23.97	23.95	23.88			
40	QPSK	1	1	24.05	24.00	23.90	24.5	0.0	
40	QPSK	1	53	23.98	23.93	24.00			
40	QPSK	1	104	23.84	23.78	23.85			
40	QPSK	50	0	23.99	23.93	23.98	23.5	1.0	
40	QPSK	50	28	23.99	24.00	23.82	24.5	0.0	
40	QPSK	50	56	23.96	23.40	23.44	23.5	1.0	
40	QPSK	100	0	22.97	23.02	22.96	23.5	1.0	
40	QPSK	100	1	23.05	23.05	23.05			
40	QPSK	100	1	23.70	21.65	24.80			
40	84QAM	1	1	23.70	21.65	24.80	22.0	2.5	
40	256QAM	1	1	18.58	18.51	18.70	20.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.00	23.90	23.83	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.90	23.90	23.75	24.5	0.0	

n41 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. 506005	Power Middle Ch. / Freq. 518006	Power High Ch. / Freq. 520000	Time-up (ms)	MTR	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	23.84	24.04	24.04	24.5	0.0	
100	P12 BPSK	1	137	24.08	24.00	24.00			
100	P12 BPSK	1	271	23.98	23.83	23.90			
100	P12 BPSK	136	0	23.84	23.41	23.80	24.0	0.5	
100	P12 BPSK	136	68	23.92	23.91	23.88	24.0	0.0	
100	P12 BPSK	136	136	23.96	24.00	23.90	24.0	0.5	
100	P12 BPSK	270	0	23.83	23.05	23.08			
100	P12 BPSK	270	136	23.96	24.00	23.90			
100	QPSK	1	1	24.08	24.10	24.05	24.5	0.0	
100	QPSK	1	137	23.76	23.81	23.76			
100	QPSK	1	271	24.05	23.91	23.98			
100	QPSK	136	0	22.92	22.90	23.04	23.5	1.0	
100	QPSK	136	68	23.75	23.97	23.85	24.5	0.0	
100	QPSK	136	136	23.91	22.90	23.91	23.5	1.0	
100	QPSK	270	0	22.96	22.96	22.87	23.5	1.0	
100	QPSK	270	1	23.04	23.04	23.02			
100	84QAM	1	1	23.68	21.58	24.70			
100	256QAM	1	1	18.87	18.53	18.80	20.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.03	24.00	24.00	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.07	24.00	23.94	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.92	23.90	23.85	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.87	24.00	23.88	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.06	24.00	24.00	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.89	23.90	23.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.04	24.00	24.00	24.5	0.0	



Par270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	23.76	23.60	23.79	25.5	0.0	
100	P12 BPSK	1	137	23.78	23.60	23.79			
100	P12 BPSK	1	271	23.69	23.74	23.78			
100	P12 BPSK	136	0	23.17	23.11	23.22			
100	P12 BPSK	136	66	23.53	23.57	23.68	25.0	0.5	
100	P12 BPSK	136	136	23.24	23.17	23.15	25.0	0.5	
100	P12 BPSK	236	0	23.27	23.14	23.10			
100	QPSK	1	1	23.67	23.61	23.70			
100	QPSK	1	137	23.77	23.60	23.70			
100	QPSK	1	271	23.51	23.55	23.59	25.5	0.0	
100	QPSK	136	0	22.70	22.61	22.68	24.5	1.0	
100	QPSK	136	66	23.55	23.53	23.57	25.5	0.0	
100	QPSK	136	136	22.62	22.61	22.63	24.5	1.0	
100	16QAM	270	0	22.56	22.50	22.57	24.5	1.0	
100	16QAM	1	1	22.55	22.57	22.57			
100	16QAM	1	1	21.68	21.12	21.23			
100	16QAM	1	1	19.10	19.05	19.07			
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.54	23.60	23.57	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.60	23.74	23.60	25.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.57	23.70	23.64	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.63	23.71	23.61	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.60	23.70	23.64	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.59	23.70	23.64	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.53	23.71	23.66	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.53	23.72	23.65	25.5	0.0	

Part27Q n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	23.67	23.60	23.71	25.5	0.0	
100	P12 BPSK	1	137	23.67	23.60	23.71			
100	P12 BPSK	1	271	23.55	23.55	23.55			
100	P12 BPSK	136	0	23.13	23.13	23.13			
100	P12 BPSK	136	66	23.67	23.67	23.67	25.5	0.0	
100	P12 BPSK	136	136	23.07	23.07	23.07	25.5	0.5	
100	P12 BPSK	236	0	23.09	23.09	23.09			
100	QPSK	1	1	23.77	23.67	23.77			
100	QPSK	1	137	23.61	23.61	23.61			
100	QPSK	1	271	23.57	23.57	23.57	25.5	0.0	
100	QPSK	136	0	22.56	22.56	22.56	24.5	0.0	
100	QPSK	136	66	23.59	23.59	23.59			
100	QPSK	136	136	22.52	22.52	22.52			
100	QPSK	270	0	22.50	22.50	22.50			
100	16QAM	1	1	22.55	22.55	22.55	24.5	1.0	
100	16QAM	1	1	21.54	21.54	21.54	24.5	2.5	
100	16QAM	1	1	19.20	19.20	19.20	23.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.59	23.62	23.73	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.70	23.59	23.66	25.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.61	23.60	23.65	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.63	23.60	23.70	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.68	23.60	23.70	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.59	23.60	23.67	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.58	23.60	23.66	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.60	23.60	23.72	25.5	0.0	

Part270 n78 PC3 Ant9												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	23.67	23.67	23.67	25.5	0.0				
100	P12 BPSK	1	137	23.67	23.67	23.67						
100	P12 BPSK	1	271	23.57	23.57	23.57						
100	P12 BPSK	136	0	23.60	23.60	23.60						
100	P12 BPSK	136	66	23.71	23.71	23.71	25.0	0.0				
100	P12 BPSK	136	136	23.47	23.47	23.47	25.0	0.5				
100	P12 BPSK	270	0	23.47	23.47	23.47						
100	QPSK	1	1	23.62	23.62	23.62						
100	QPSK	1	137	23.71	23.71	23.71						
100	QPSK	1	271	23.53	23.53	23.53	25.5	0.0				
100	QPSK	136	0	23.73	23.73	23.73	24.5	1.0				
100	QPSK	136	66	23.65	23.65	23.65	25.5	0.0				
100	QPSK	136	136	23.46	23.46	23.46	24.5	1.0				
100	16QAM	270	0	23.46	23.46	23.46	24.5	1.0				
100	16QAM	1	1	23.75	23.75	23.75						
100	16QAM	1	1	22.86	22.86	22.86						
100	16QAM	1	1	20.73	20.73	20.73						
Channel												
Frequency (MHz)												
90	QPSK	1	1	23.54	23.64	23.65	25.5	0.0				
Channel												
Frequency (MHz)												
80	QPSK	1	1	23.66	23.76	23.66	25.5	0.0				
Channel												
Frequency (MHz)												
70	QPSK	1	1	23.65	23.61	23.61	25.0	0.0				
Channel												
Frequency (MHz)												
60	QPSK	1	1	23.76	23.76	23.86	25.5	0.0				
Channel												
Frequency (MHz)												
50	QPSK	1	1	23.75	23.69	23.67	25.5	0.0				
Channel												
Frequency (MHz)												
40	QPSK	1	1	23.69	23.62	23.67	25.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	23.68	23.70	23.66	25.5	0.0				
Channel												
Frequency (MHz)												

Part270 n78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PB2-BPSK	1	1	25.29	3750	3750	27.0	0.0	
100	PB2-BPSK	1	137	25.41					
100	PB2-BPSK	1	271	24.95			26.5	0.5	
100	PB2-BPSK	135	0	24.81			26.5	0.0	
100	PB2-BPSK	135	66	25.22			27.0	0.0	
100	PB2-BPSK	135	135	24.98			25.5	3.5	
100	PB2-BPSK	270	0	24.54			25.5	0.5	
100	QPSK	1	1	25.43			27.0	0.0	
100	QPSK	1	137	25.18			26.5	0.5	
100	QPSK	1	271	24.81					
100	QPSK	135	0	24.26			27.0	0.0	
100	QPSK	135	66	25.15			27.0	0.0	
100	QPSK	135	138	23.98			23.5	3.5	
100	QPSK	270	0	24.34			24.5	1.0	
100	SDCIAM	1	1	23.75			25.0	1.0	
100	SDCIAM	1	1	22.67			24.5	2.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	60689	65000	65038	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	60693	65000	65068	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	60698	65000	65108	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	60699	65000	65108	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	60699	65000	65108	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	60699	65000	65108	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	60699	65000	65108	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	60699	65000	65108	Tune-up Int. (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	60699	65000	65108	Tune-up Int. (dBm)	MPR	

Part27Q 78 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PB2-BPSK	1	1	23.82	33334		25.5	0.0	
100	PB2-BPSK	1	137	23.83					
100	PB2-BPSK	1	271	23.65			25.5	0.0	
100	PB2-BPSK	135	0	23.78			25.5	0.0	
100	PB2-BPSK	135	66	23.76			25.5	0.0	
100	PB2-BPSK	135	138	23.63			25.5	0.0	
100	PB2-BPSK	270	0	23.75			25.5	0.0	
100	QPSK	1	1	23.81			25.5	0.0	
100	QPSK	1	137	23.84					
100	QPSK	1	271	23.68			24.5	1.0	
100	QPSK	135	0	23.80			25.5	0.0	
100	QPSK	135	66	23.83			25.5	0.0	
100	QPSK	135	138	23.68			24.5	1.0	
100	QPSK	270	0	23.82			25.5	0.0	
100	IQCIAM	1	1	23.75			25.0	1.0	
100	SDCIAM	1	1	22.61			24.5	1.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	63000	63334	63368	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
50	QPSK	1	1	63000	63334	63400	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
80	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
70	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
60	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
50	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
40	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
30	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
20	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	

Part27Q 78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PB2-BPSK	1	1	25.41	3300.51		27.0	0.0	
100	PB2-BPSK	1	137	25.28					
100	PB2-BPSK	1	271	25.05			26.5	0.5	
100	PB2-BPSK	135	0	24.81			26.5	0.0	
100	PB2-BPSK	135	66	25.21			27.0	0.0	
100	PB2-BPSK	135	138	24.98			25.5	3.5	
100	PB2-BPSK	270	0	24.50			25.5	0.5	
100	QPSK	1	1	25.44			27.0	0.0	
100	QPSK	1	137	25.26			26.5	0.5	
100	QPSK	1	271	25.02					
100	QPSK	135	0	24.41			27.0	0.0	
100	QPSK	135	66	25.34			27.0	0.0	
100	QPSK	135	138	24.45			23.5	3.5	
100	QPSK	270	0	24.42			24.5	1.0	
100	IQCIAM	1	1	24.75			25.0	1.0	
100	IQCIAM	1	1	22.67			24.5	2.5	
100	SDCIAM	1	1	23.37			23.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	63000	63334	63368	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
50	QPSK	1	1	63000	63334	63400	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
80	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
70	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
60	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
50	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
40	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
30	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
20	QPSK	1	1	63000	63334	63434	Tune-up Int. (dBm)	MPR	

Par270 n77 PC3 Ant10							
RF (MHz)	Modulation	RF Size	RF Offset	Power Frontal (dBm)	Power Main (dBm)	Power Side (dBm)	Power Leak (dBm)
Channel							
Frequency (MHz)				3740	3640	3680	
100	PQPSK	1	1	24.38	24.29	24.27	
100	PQPSK	1	137	24.38	24.29	24.27	25.5 0.0
100	PQPSK	1	271	24.38	24.28	24.30	
100	PQPSK	1	405	24.38	24.29	24.31	25.5 0.0
100	PQPSK	1	539	24.38	24.29	24.30	25.5 0.0
100	PQPSK	1	673	24.38	24.29	24.30	25.5 0.0
100	QPSK	1	1	24.24	24.37	24.14	
100	QPSK	1	137	24.24	24.37	24.14	25.0 0.0
100	QPSK	1	271	24.24	24.38	24.20	
100	QPSK	1	405	24.24	24.37	24.14	25.0 0.0
100	QPSK	1	539	24.24	24.38	24.20	
100	QPSK	1	673	24.24	24.37	24.14	25.0 1.0
100	QPSK	1	807	24.24	24.37	24.14	25.5 0.0
100	QPSK	1	941	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1075	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1209	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1343	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1477	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1611	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1745	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	1879	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2013	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2147	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2281	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2415	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2549	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2683	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2817	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	2951	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3085	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3219	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3353	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3487	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3621	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3755	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	3889	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4023	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4157	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4291	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4425	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4559	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4693	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4827	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	4961	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5095	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5229	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5363	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5497	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5631	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5765	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	5899	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6033	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6167	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6301	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6435	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6569	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6703	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6837	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	6971	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7105	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7239	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7373	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7507	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7641	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7775	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	7909	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8043	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8177	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8311	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8445	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8579	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8713	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8847	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	8981	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9115	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9249	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9383	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9517	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9651	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9785	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	9919	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10053	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10187	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10321	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10455	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10589	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10723	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10857	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	10991	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11125	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11259	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11393	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11527	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11661	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11795	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	11929	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12063	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12197	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12331	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12465	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12599	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12733	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	12867	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13001	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13135	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13269	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13403	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13537	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13671	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13805	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	13939	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14073	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14207	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14341	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14475	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14609	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14743	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	14877	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15011	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15145	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15279	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15413	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15547	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15681	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15815	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	15949	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16083	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16217	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16351	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16485	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16619	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16753	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	16887	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17021	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17155	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17289	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17423	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17557	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17691	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17825	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	17959	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18093	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18227	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18361	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18495	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18629	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18763	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	18897	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19031	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19165	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19299	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19433	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19567	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19701	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19835	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	19969	24.23	24.37	24.22	24.5 1.0
100	QPSK	1	20103				

Part27Q n77 PC3 Ant10							
Ref	Modulation	Ref Size	Ref Offset	Power Flux (dBm)	Power Mask Co. (dBm)	Power Flux (dBm)	1-sec Avg Power (dBm)
Channel							
Frequency (MHz)							
100	PQPSK	156	1	24.00	24.00		
100	QPSK	156	1	24.38	24.38	25.5	0.0
100	PQPSK	156	1	24.38	24.38		
100	QPSK	156	1	24.38	24.38	25.5	0.0
100	PQPSK	156	139	24.38	24.38		
100	QPSK	156	139	24.38	24.38	25.5	0.0
100	PQPSK	156	271	24.38	24.38		
100	QPSK	156	271	24.38	24.38	25.5	0.0
100	PQPSK	156	66	24.38	24.38		
100	QPSK	156	66	24.38	24.38	25.5	0.0
100	PQPSK	156	198	24.38	24.38		
100	QPSK	156	198	24.38	24.38	25.5	0.0
100	PQPSK	156	279	24.38	24.38		
100	QPSK	156	279	24.38	24.38	25.5	0.0
100	PQPSK	156	138	24.38	24.38		
100	QPSK	156	138	24.38	24.38	25.5	0.0
100	PQPSK	156	278	24.38	24.38		
100	QPSK	156	278	24.38	24.38	25.5	0.0
100	PQPSK	156	65	24.38	24.38		
100	QPSK	156	65	24.38	24.38	25.5	0.0
100	PQPSK	156	197	24.38	24.38		
100	QPSK	156	197	24.38	24.38	25.5	0.0
100	PQPSK	156	277	24.38	24.38		
100	QPSK	156	277	24.38	24.38	25.5	0.0
100	PQPSK	156	137	24.38	24.38		
100	QPSK	156	137	24.38	24.38	25.5	0.0
100	PQPSK	156	276	24.38	24.38		
100	QPSK	156	276	24.38	24.38	25.5	0.0
100	PQPSK	156	64	24.38	24.38		
100	QPSK	156	64	24.38	24.38	25.5	0.0
100	PQPSK	156	196	24.38	24.38		
100	QPSK	156	196	24.38	24.38	25.5	0.0
100	PQPSK	156	275	24.38	24.38		
100	QPSK	156	275	24.38	24.38	25.5	0.0
100	PQPSK	156	136	24.38	24.38		
100	QPSK	156	136	24.38	24.38	25.5	0.0
100	PQPSK	156	274	24.38	24.38		
100	QPSK	156	274	24.38	24.38	25.5	0.0
100	PQPSK	156	63	24.38	24.38		
100	QPSK	156	63	24.38	24.38	25.5	0.0
100	PQPSK	156	195	24.38	24.38		
100	QPSK	156	195	24.38	24.38	25.5	0.0
100	PQPSK	156	273	24.38	24.38		
100	QPSK	156	273	24.38	24.38	25.5	0.0
100	PQPSK	156	135	24.38	24.38		
100	QPSK	156	135	24.38	24.38	25.5	0.0
100	PQPSK	156	272	24.38	24.38		
100	QPSK	156	272	24.38	24.38	25.5	0.0
100	PQPSK	156	62	24.38	24.38		
100	QPSK	156	62	24.38	24.38	25.5	0.0
100	PQPSK	156	194	24.38	24.38		
100	QPSK	156	194	24.38	24.38	25.5	0.0
100	PQPSK	156	271	24.38	24.38		
100	QPSK	156	271	24.38	24.38	25.5	0.0
100	PQPSK	156	134	24.38	24.38		
100	QPSK	156	134	24.38	24.38	25.5	0.0
100	PQPSK	156	270	24.38	24.38		
100	QPSK	156	270	24.38	24.38	25.5	0.0
100	PQPSK	156	61	24.38	24.38		
100	QPSK	156	61	24.38	24.38	25.5	0.0
100	PQPSK	156	193	24.38	24.38		
100	QPSK	156	193	24.38	24.38	25.5	0.0
100	PQPSK	156	269	24.38	24.38		
100	QPSK	156	269	24.38	24.38	25.5	0.0
100	PQPSK	156	133	24.38	24.38		
100	QPSK	156	133	24.38	24.38	25.5	0.0
100	PQPSK	156	268	24.38	24.38		
100	QPSK	156	268	24.38	24.38	25.5	0.0
100	PQPSK	156	132	24.38	24.38		
100	QPSK	156	132	24.38	24.38	25.5	0.0
100	PQPSK	156	267	24.38	24.38		
100	QPSK	156	267	24.38	24.38	25.5	0.0
100	PQPSK	156	131	24.38	24.38		
100	QPSK	156	131	24.38	24.38	25.5	0.0
100	PQPSK	156	266	24.38	24.38		
100	QPSK	156	266	24.38	24.38	25.5	0.0
100	PQPSK	156	130	24.38	24.38		
100	QPSK	156	130	24.38	24.38	25.5	0.0
100	PQPSK	156	265	24.38	24.38		
100	QPSK	156	265	24.38	24.38	25.5	0.0
100	PQPSK	156	129	24.38	24.38		
100	QPSK	156	129	24.38	24.38	25.5	0.0
100	PQPSK	156	264	24.38	24.38		
100	QPSK	156	264	24.38	24.38	25.5	0.0
100	PQPSK	156	128	24.38	24.38		
100	QPSK	156	128	24.38	24.38	25.5	0.0
100	PQPSK	156	263	24.38	24.38		
100	QPSK	156	263	24.38	24.38	25.5	0.0
100	PQPSK	156	127	24.38	24.38		
100	QPSK	156	127	24.38	24.38	25.5	0.0
100	PQPSK	156	262	24.38	24.38		
100	QPSK	156	262	24.38	24.38	25.5	0.0
100	PQPSK	156	126	24.38	24.38		
100	QPSK	156	126	24.38	24.38	25.5	0.0
100	PQPSK	156	261	24.38	24.38		
100	QPSK	156	261	24.38	24.38	25.5	0.0
100	PQPSK	156	125	24.38	24.38		
100	QPSK	156	125	24.38	24.38	25.5	0.0
100	PQPSK	156	260	24.38	24.38		
100	QPSK	156	260	24.38	24.38	25.5	0.0
100	PQPSK	156	124	24.38	24.38		
100	QPSK	156	124	24.38	24.38	25.5	0.0
100	PQPSK	156	259	24.38	24.38		
100	QPSK	156	259	24.38	24.38	25.5	0.0
100	PQPSK	156	123	24.38	24.38		
100	QPSK	156	123	24.38	24.38	25.5	0.0
100	PQPSK	156	258	24.38	24.38		
100	QPSK	156	258	24.38	24.38	25.5	0.0
100	PQPSK	156	122	24.38	24.38		
100	QPSK	156	122	24.38	24.38	25.5	0.0
100	PQPSK	156	257	24.38	24.38		
100	QPSK	156	257	24.38	24.38	25.5	0.0
100	PQPSK	156	121	24.38	24.38		
100	QPSK	156	121	24.38	24.38	25.5	0.0
100	PQPSK	156	256	24.38	24.38		
100	QPSK	156	256	24.38	24.38	25.5	0.0
100	PQPSK	156	120	24.38	24.38		
100	QPSK	156	120	24.38	24.38	25.5	0.0
100	PQPSK	156	255	24.38	24.38		
100	QPSK	156	255	24.38	24.38	25.5	0.0
100	PQPSK	156	119	24.38	24.38		
100	QPSK	156	119	24.38	24.38	25.5	0.0
100	PQPSK	156	254	24.38	24.38		
100	QPSK	156	254	24.38	24.38	25.5	0.0
100	PQPSK	156	118	24.38	24.38		
100	QPSK	156	118	24.38	24.38	25.5	0.0
100	PQPSK	156	253	24.38	24.38		
100	QPSK	156	253	24.38	24.38	25.5	0.0
100	PQPSK	156	117	24.38	24.38		
100	QPSK	156	117	24.38	24.38	25.5	0.0
100	PQPSK	156	252	24.38	24.38		
100	QPSK	156	252	24.38	24.38	25.5	0.0
100	PQPSK	156	116	24.38	24.38		
100	QPSK	156	116	24.38	24.38	25.5	0.0
100	PQPSK	156	251	24.38	24.38		
100	QPSK	156	251	24.38	24.38	25.5	0.0
100	PQPSK	156	115	24.38	24.38		
100	QPSK	156	115	24.38	24.38	25.5	0.0
100	PQPSK	156	250	24.38	24.38		
100	QPSK	156	250	24.38	24.38	25.5	0.0
100	PQPSK	156	114	24.38	24.38		
100	QPSK	156	114	24.38	24.38	25.5	0.0
100	PQPSK	156	249	24.38	24.38		
100	QPSK	156	249	24.38	24.38	25.5	0.0
100	PQPSK	156	113	24.38	24.38		
100	QPSK	156	113	24.38	24.38	25.5	0.0
100	PQPSK	156	248	24.38	24.38		
100	QPSK	156	248	24.38	24.38	25.5	0.0
100	PQPSK	156	112	24.38	24.38		
100	QPSK	156	112	24.38	24.38	25.5	0.0
100	PQPSK	156	247	24.38	24.38		
100	QPSK	156	247	24.38	24.38	25.5	0.0
100	PQPSK	156	111	24.38	24.38		
100	QPSK	156	111	24.38	24.38	25.5	0.0
100	PQPSK	156	246	24.38	24.38		
100	QPSK	156	246	24.38	24.38	25.5	0.0
100	PQPSK	156	110	24.38	24.38		
100	QPSK	156	110	24.38	24.38	25.5	0.0
100	PQPSK	156	245	24.38	24.38		
100	QPSK	156	245	24.38	24.38	25.5	0.0
100	PQPSK	156	109	24.38	24.38		
100	QPSK	156	109	24.38	24.38	25.5	0.0
100	PQPSK	156	244	24.38	24.38		
100	QPSK	156	244	24.38	24.38	25.5	0.0
100	PQPSK	156	108	24.38	24.38		
100	QPSK	156	108	24.38	24.38	25.5	0.0
100	PQPSK	156	243	24.38	24.38		
100	QPSK	156	243	24.38	24.38	25.5	0.0
100	PQPSK	156	107	24.38	24.38		
100	QPSK	156	107	24.38	24.38	25.5	0.0
100	PQPSK	156	242	24.38	24.38		
100	QPSK	156	242	24.38	24.38	25.5	0.0
100	PQPSK	156	106	24.38	24.38		
100	QPSK	156	106	24.38	24.38	25.5	0.0
100	PQPSK	156	241	24.38	24.38		
100	QPSK	156	241	24.38	24.38	25.5	0.0
100	PQPSK	156	105	24.38	24.38		
100	QPSK	156	105	24.38	24.38	25.5	0.0
100	PQPSK	156	240	24.38	24.38		
100							

Part270 n78 PC3 Ant10									
Ref ID#	Modulation	Ref Size	Ref Offset	Power Fwd (mW)	Power Fwd Ch. Freq.	Power Fwd Ch. Freq.	Power Fwd Ch. Freq.	Turnup Time (sec)	APN URL
Channel				3750	3550	3750	3550		
50	P252 BPSK	1	1	24.41	24.42	24.43	25.5	0.0	
100	P252 BPSK	144	137	24.43	24.42	24.43	25.5	0.0	
150	P252 BPSK	1	271	24.38	24.41	24.42	25.5	0.0	
200	P252 BPSK	1	271	24.43	24.41	24.42	25.5	0.0	
250	P252 BPSK	136	66	24.38	24.41	24.42	25.5	0.0	
300	P252 BPSK	136	139	24.38	24.41	24.42	25.5	0.0	
350	P252 BPSK	275	5	24.43	24.41	24.42	25.5	0.0	
400	QPSK	1	1	24.38	24.39	24.40	25.5	0.0	
450	QPSK	136	139	24.38	24.39	24.40	25.5	0.0	
500	QPSK	1	271	24.38	24.39	24.40	25.5	0.0	
550	QPSK	136	0	24.32	24.33	24.34	25.5	0.0	
600	QPSK	136	66	24.37	24.38	24.39	25.5	0.0	
650	QPSK	136	138	24.38	24.39	24.40	25.5	0.0	
700	QPSK	270	5	24.43	24.41	24.42	25.5	0.0	
750	SSB400	1	1	24.43	24.44	24.45	25.5	0.0	
800	SSB400	1	1	24.44	24.45	24.46	25.5	0.0	
Channel				45666	45666	45634	Turnup Time (sec)	APN	
Frequency (MHz)				45666	45666	45634	Turnup Time (sec)	APN	
50	QPSK	1	1	24.41	24.43	24.44	25.5	0.0	
100	QPSK	1	1	46434	45666	45666	Turnup Time (sec)	APN	
150	QPSK	1	1	37410	37500	37500	Turnup Time (sec)	APN	
200	QPSK	1	1	24.38	24.38	24.35	25.5	0.0	
Channel				46500	46500	46500	Turnup Time (sec)	APN	
Frequency (MHz)				46500	46500	46500	Turnup Time (sec)	APN	
70	QPSK	1	1	24.41	24.40	24.47	25.5	0.0	
Channel				37410	37500	37310	Turnup Time (sec)	APN	
80	QPSK	1	1	24.40	24.40	24.34	25.5	0.0	
Channel				37410	37500	37410	Turnup Time (sec)	APN	
Frequency (MHz)				37410	37500	37410	Turnup Time (sec)	APN	
50	QPSK	1	1	24.40	24.40	24.36	25.5	0.0	
Channel				46500	46500	46500	Turnup Time (sec)	APN	
Frequency (MHz)				46500	46500	46500	Turnup Time (sec)	APN	
80	QPSK	1	1	24.41	24.39	24.35	25.5	0.0	
Channel				46166	46500	46234	Turnup Time (sec)	APN	
Frequency (MHz)				46166	46500	46234	Turnup Time (sec)	APN	
30	QPSK	1	1	24.19	24.20	24.33	25.5	0.0	
Channel				46734	45666	45666	Turnup Time (sec)	APN	
Frequency (MHz)				46734	45666	45666	Turnup Time (sec)	APN	
30	QPSK	1	1	24.41	24.33	24.46	25.5	0.0	



Part270 n78 PC2 Ant10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)			
Channel											
Frequency [MHz]											
100	P12-BPSK	1	1	26.19	3760	3760	27.0	0.0			
100	P12-BPSK	1	137	26.21							
100	P12-BPSK	1	271	26.28							
100	P12-BPSK	135	0	25.18			26.5	0.5			
100	P12-BPSK	135	66	26.31			27.0	0.0			
100	P12-BPSK	135	135	25.29			25.5	3.5			
100	P12-BPSK	270	0	25.21			25.5	0.5			
100	QPSK	1	1	26.32			27.0	0.0			
100	QPSK	1	137	26.17			26.5	0.5			
100	QPSK	1	271	26.14							
100	QPSK	135	0	25.26			27.0	0.0			
100	QPSK	135	66	25.20			27.0	0.0			
100	QPSK	135	138	25.28			25.5	3.5			
100	QPSK	270	0	25.28			25.5	0.5			
100	IQ-QAM	1	1	25.15			25.0	1.0			
100	IQ-QAM	1	1	25.79			24.5	2.5			
100	SD-QAM	1	1	21.88			22.5	4.5			
Channel											
Frequency [MHz]											
50	QPSK	1	1	50.689	55036	55038	Tune-up Int. (dBm)	MPR			
Channel											
Frequency [MHz]											
80	QPSK	1	1	80.634	55036	55038	Tune-up Int. (dBm)	MPR			
Channel											
Frequency [MHz]											
80	QPSK	1	1	80.634	55036	55038	Tune-up Int. (dBm)	MPR			
Channel											
Frequency [MHz]											
70	QPSK	1	1	26.15	26.27	26.28	27.0	0.0			
Channel											
Frequency [MHz]											
80	QPSK	1	1	26.22	26.29	26.18	27.0	0.0			
Channel											
Frequency [MHz]											
50	QPSK	1	1	26.16	26.30	26.15	27.0	0.0			
Channel											
Frequency [MHz]											
40	QPSK	1	1	37.23	3760	3760	Tune-up Int. (dBm)	MPR			
Channel											
Frequency [MHz]											
30	QPSK	1	1	26.23	26.29	26.17	27.0	0.0			
Channel											
Frequency [MHz]											
20	QPSK	1	1	26.19	26.31	26.18	27.0	0.0			

Part27Q 78 PC3 Ant10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)			
Channel											
Frequency [MHz]											
100	P12-BPSK	1	1	24.49			25.5	0.0			
100	P12-BPSK	1	137	24.52							
100	P12-BPSK	1	271	24.41							
100	P12-BPSK	135	0	24.38			25.5	0.0			
100	P12-BPSK	135	66	24.38			25.5	0.0			
100	P12-BPSK	135	138	24.32			25.5	0.0			
100	P12-BPSK	270	0	24.52			25.5	0.0			
100	QPSK	1	1	24.53			25.5	0.0			
100	QPSK	1	137	24.51							
100	QPSK	1	271	24.46							
100	QPSK	135	0	24.27			25.5	0.0			
100	QPSK	135	66	25.25			25.5	0.0			
100	QPSK	135	138	24.32			25.5	0.0			
100	QPSK	270	0	24.48			25.5	0.0			
100	IQ-QAM	1	1	24.31			25.0	0.0			
100	SD-QAM	1	1	25.41			24.5	1.0			
100	SD-QAM	1	1	21.35			22.5	3.5			
Channel											
Frequency [MHz]											
50	QPSK	1	1	50.689	53334	53388	Tune-up Int. (dBm)	MPR			
Channel											
Frequency [MHz]											
80	QPSK	1	1	24.47	24.48	24.40	25.5	0.0			
Channel											
Frequency [MHz]											
80	QPSK	1	1	24.41	24.24	24.39	25.5	0.0			
Channel											
Frequency [MHz]											
70	QPSK	1	1	24.41	24.32	24.44	25.5	0.0			
Channel											
Frequency [MHz]											
80	QPSK	1	1	24.45	24.33	24.37	25.5	0.0			
Channel											
Frequency [MHz]											
50	QPSK	1	1	24.40	24.48	24.41	25.5	0.0			
Channel											
Frequency [MHz]											
40	QPSK	1	1	34.70	35.00	35.30	Tune-up Int. (dBm)	MPR			
Channel											
Frequency [MHz]											
30	QPSK	1	1	24.41	24.41	24.44	25.5	0.0			
Channel											
Frequency [MHz]											
20	QPSK	1	1	24.41	24.42	24.42	25.5	0.0			

Part27Q 78 PC2 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	P12-BPSK	1	1	25.28	3500.51		27.0	0.0	
100	P12-BPSK	1	137	26.37					
100	P12-BPSK	1	271	26.33					
100	P12-BPSK	135	0	25.31			23.5	3.5	
100	P12-BPSK	135	66	26.38			27.0	0.0	
100	P12-BPSK	135	138	25.28			25.5	3.5	
100	P12-BPSK	270	0	25.29			25.5	0.5	
100	QPSK	1	1	26.34			27.0	0.0	
100	QPSK	1	137	26.29			23.5	3.5	
100	QPSK	1	271	26.26					
100	QPSK	135	0	25.27			27.0	0.0	
100	QPSK	135	66	25.21			27.0	0.0	
100	QPSK	135	138	25.35			25.5	3.5	
100	QPSK	270	0	25.32			25.5	0.5	
100	IQ-QAM	1	1	25.09			24.5	1.0	
100	IQ-QAM	1	1	25.88			24.5	2.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	50.689	53334	53388	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.25	26.29	26.36	27.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.24	26.23	26.35	27.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	25.24	25.25	25.35	27.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.21	25.26	25.32	27.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.22	25.27	25.31	27.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	53.131	53354	53374	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
80	QPSK	1	1	25.20	26.23	26.32	27.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	50.689	53334	53388	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
30	QPSK	1	1	26.29	26.21	26.34	27.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	53.668	53334	53360	Tune-up Int. (dBm)	MPR	
Channel									
Frequency [MHz]									
30	QPSK	1	1	26.29	26.27	26.28	27.0	0.0	

Par270 n77 PC3 Ant11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	22.13	22.14	22.16	23.5	0.0				
100	P12 BPSK	1	137	22.08	21.98	21.89						
100	P12 BPSK	1	271	21.96	21.78	21.53						
100	P12 BPSK	136	0	21.58	21.52	21.45	23.5	0.5				
100	P12 BPSK	136	66	21.88	22.01	21.94						
100	P12 BPSK	136	136	21.58	21.52	21.42						
100	P12 BPSK	236	0	21.43	21.45	21.48	23.5	0.5				
100	QPSK	1	1	22.06	22.21	22.19						
100	QPSK	1	137	22.05	22.20	21.95						
100	QPSK	1	271	21.74	21.78	21.78	23.5	0.0				
100	QPSK	136	0	21.07	20.95	20.90						
100	QPSK	136	66	21.64	21.70	21.54						
100	QPSK	136	136	21.13	20.80	20.93	22.5	1.0				
100	QPSK	236	0	21.16	21.00	20.96						
100	ISB4M	1	1	21.18	21.05	20.99						
100	ISB4M	1	1	19.88	19.51	19.58	21.0	2.5				
100	ISB4M	1	1	17.78	17.51	17.68						
Channel												
Frequency (MHz)												
649668 650000 650324												
90	QPSK	1	1	22.04	22.04	22.01	23.5	0.0				
Channel												
Frequency (MHz)												
849334 850000 850668												
80	QPSK	1	1	21.98	22.00	22.08	23.5	0.0				
Channel												
Frequency (MHz)												
649000 650000 650000												
70	QPSK	1	1	21.94	22.00	22.20	23.5	0.0				
Channel												
Frequency (MHz)												
616000 650000 650324												
60	QPSK	1	1	21.92	22.12	22.11	23.5	0.0				
Channel												
Frequency (MHz)												
3726.01 3840 3950.02												
50	QPSK	1	1	21.91	22.07	22.16	23.5	0.0				
Channel												
Frequency (MHz)												
3700 3840 3950												
40	QPSK	1	1	21.89	22.00	22.14	23.5	0.0				
Channel												
Frequency (MHz)												
647668 650000 650324												
30	QPSK	1	1	22.08	22.00	22.10	23.5	0.0				
Channel												
Frequency (MHz)												
647334 650000 650668												
20	QPSK	1	1	21.93	22.17	22.19						

Part27Q n77 PC3 Ant11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)				
Channel												
Frequency (MHz)												
3700.01 3839.99 3950.01												
100	P12 BPSK	1	1	22.02			23.5	0.0				
100	P12 BPSK	1	137	21.89								
100	P12 BPSK	1	271	21.80								
100	P12 BPSK	136	0	21.51			23.5	0.0				
100	P12 BPSK	136	66	21.50								
100	P12 BPSK	136	136	21.39								
100	P12 BPSK	236	0	21.39			23.5	0.5				
100	QPSK	1	1	22.17								
100	QPSK	1	137	22.00								
100	QPSK	1	271	22.00			23.5	0.0				
100	QPSK	136	0	22.08								
100	QPSK	136	66	22.10								
100	QPSK	136	136	22.02			23.0	1.0				
100	QPSK	236	0	21.92								
100	ISB4M	1	1	20.84								
100	ISB4M	1	1	19.20			22.5	2.5				
100	ISB4M	1	1	17.47								
Channel												
Frequency (MHz)												
633600 633336 633668												
90	QPSK	1	1	21.84	22.00	22.16	23.5	0.0				
Channel												
Frequency (MHz)												
833668 833336 834000												
80	QPSK	1	1	21.84	22.00	22.00	23.5	0.0				
Channel												
Frequency (MHz)												
632334 833336 834334												
70	QPSK	1	1	22.00	22.10	22.12	23.5	0.0				
Channel												
Frequency (MHz)												
3480 8600.01 3600.02												
60	QPSK	1	1	22.02	22.18	22.01	23.5	0.0				
Channel												
Frequency (MHz)												
3476.02 3600.01 3600.02												
50	QPSK	1	1	21.98	22.05	22.10	23.5	0.0				
Channel												
Frequency (MHz)												
3476.01 3600.01 3600.01												
40	QPSK	1	1	22.07	22.22	22.17	23.5	0.0				
Channel												
Frequency (MHz)												
631000 833336 833668												
30	QPSK	1	1	22.04	22.14	22.09	23.5	0.0				
Channel												
Frequency (MHz)												
630668 833336 833600												
20	QPSK	1	1	21.85	22.12	22.18						

Part27O n78 PC3 Ant11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)				
Channel												
Frequency (MHz)												
3750 3750 3950												
100	P12 BPSK	1	1	21.87			23.5	0.0				
100	P12 BPSK	1	137	21.94								
100	P12 BPSK	1	271	21.62								
100	P12 BPSK	136	0	21.60			23.5	0.0				
100	P12 BPSK	136	66	21.60								
100	P12 BPSK	136	136	21.60								
100	P12 BPSK	236	0	21.60			23.5	0.5				
100	QPSK	1	1	22.05								
100	QPSK	1	137	21.85								
100	QPSK	1	271	21.90			23.5	0.0				
100	QPSK	136	0	21.94								
100	QPSK	136	66	21.84								
100	QPSK	136	136	21.83			23.5	0.0				
100	QPSK	236	0	21.86								
100	QPSK	236	66	21.87								
100	QPSK	236	136	21.88			23.5	0.5				
100	QPSK	236	200	20.75								
100	QPSK	236	266	18.88								
Channel												
Frequency (MHz)												
40669 40669 40539												
90	QPSK	1	1	21.62	21.52	22.07	23.5	0.0				
Channel												
Frequency (MHz)												
40634 40634 40568												
86	QPSK	1	1	21.50	21.40	22.03	23.5	0.0				
Channel												
Frequency (MHz)												
40736 40736 40508												
76	QPSK	1	1	21.35	21.26	22.03	23.5	0.0				
Channel												
Frequency (MHz)												
40780 40780 40560												
60	QPSK	1	1	21.51	21.41	21.92	23.5	0.0				
Channel												
Frequency (MHz)												
40730 40730 40594												
50	QPSK	1	1	21.77	21.69	21.81	23.5	0.0				
Channel												
Frequency (MHz)												
40700 40700 40590												
40	QPSK	1	1	21.60	21.50	21.81	23.5	0.0				
Channel												
Frequency (MHz)												
40668 40668 40538												
30	QPSK	1	1	21.70	21.60	21.71	23.5	0.0				
Channel												
Frequency (MHz)												
40724 40724 40588												
20	QPSK	1	1	21.69	21.60	21.70	23.5	0.0				
Channel												
Frequency (MHz)												
40710 40710 40592												
10	QPSK	1	1	21.72	21.60	21.61	23.5	0.0				
Channel												
Frequency (MHz)												
40704 40704 40596												

Part270 n78 PC2 Ant11									
Set/Band	Modulation	RF rate	RF Offset	Ch. Power (dBm)	Power Spectrum (dBm)	Ch. Power (dBm)	Power Spectrum (dBm)	Turn-up unit (dB)	MPE (dB)
Channel									
Frequency (MHz)									
100	PC2 BPSK	1	1	23.75	23.75	23.75	23.75	26.0	0.4
100	PC2 BPSK	1	271	23.27	23.27	23.27	23.27	24.5	0.5
100	PC2 BPSK	135	0	23.16	23.16	23.16	23.16	24.5	0.5
100	PC2 BPSK	135	271	23.16	23.16	23.16	23.16	24.5	0.5
100	PC2 BPSK	335	138	22.84	22.84	22.84	22.84	24.5	0.5
100	PC2 BPSK	335	271	22.84	22.84	22.84	22.84	24.5	0.5
100	QPSK	1	1	23.74	23.74	23.74	23.74	26.0	0.0
100	QPSK	1	137	23.87	23.87	23.87	23.87	24.5	0.5
100	QPSK	135	271	23.87	23.87	23.87	23.87	24.5	0.5
100	QPSK	135	0	22.48	22.48	22.48	22.48	24.5	0.5
100	QPSK	135	138	22.57	22.57	22.57	22.57	24.5	1.0
100	QPSK	270	0	23.55	23.55	23.55	23.55	24.5	1.0
100	16QAM	1	1	24.50	24.50	24.50	24.50	26.0	0.0
100	16QAM	1	1	20.20	20.20	20.20	20.20	22.2	2.2
100	SSB/CW	1	1	18.94	18.94	18.94	18.94	20.0	2.2
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.72	23.72	23.72	23.72	26.0	0.0
80	QPSK	1	271	23.32	23.32	23.32	23.32	26.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.63	23.63	23.63	23.63	26.0	0.0
80	QPSK	1	271	23.65	23.65	23.65	23.65	26.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.68	23.68	23.68	23.68	26.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.54	23.54	23.54	23.54	26.0	0.0
60	QPSK	1	271	23.55	23.55	23.55	23.55	26.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.69	23.67	23.63	23.60	26.0	0.0
40	QPSK	1	1	23.68	23.64	23.60	23.56	26.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.63	23.61	23.57	23.54	26.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.59	23.57	23.54	23.50	26.0	0.0

Part27Q 78 PC3 Ant11							
Serial Number	Modulation	RF Size	RF Offset	Power Class [mW]	Power Class [dBm]	Turn-up unit [dB]	MPE [dB]
Channel Frequency (MHz)							
100	PV2 BPSK	1	137	21.78	21.78	23.5	0.0
100	PV2 BPSK	1	137	21.84	21.84	23.5	0.0
100	PV2 BPSK	1	271	21.87	21.87	23.5	0.0
100	PV2 BPSK	1	135	0	21.82	23.5	0.0
100	PV2 BPSK	1	135	21.86	21.86	23.5	0.0
100	PV2 BPSK	1	135	21.48	21.48	23.5	0.0
100	QPSK	1	271	21.87	21.87	23.5	0.0
100	QPSK	1	1	21.51	21.51	23.5	0.0
100	QPSK	1	137	21.78	21.78	23.5	0.0
100	QPSK	1	271	21.78	21.78	23.5	0.0
100	QPSK	1	135	0	21.86	23.5	0.0
100	QPSK	1	135	21.86	21.86	23.5	0.0
100	QPSK	1	135	21.47	21.47	23.5	0.0
100	QPSK	1	270	0	21.54	23.5	0.0
100	16QAM	1	272	21.72	21.72	23.5	0.0
160	BPSK	1	1	20.72	20.72	22.2	1.0
160	SSB-SC	1	1	20.84	20.84	22.2	1.0
Channel Frequency (MHz)							
50	QPSK	1	21.88	21.87	21.87	23.5	0.0
Channel Frequency (MHz)							
80	QPSK	1	21.84	21.86	21.72	23.5	0.0
Channel Frequency (MHz)							
70	QPSK	1	21.87	21.82	21.83	23.5	0.0
Channel Frequency (MHz)							
60	QPSK	1	21.84	21.78	21.50	23.5	0.0
Channel Frequency (MHz)							
50	QPSK	1	21.81	21.66	21.30	23.5	0.0
Channel Frequency (MHz)							
40	QPSK	1	21.84	21.72	21.38	23.5	0.0
Channel Frequency (MHz)							
30	QPSK	1	21.83	21.61	21.29	23.5	0.0
Channel Frequency (MHz)							
20	QPSK	1	21.67	21.58	21.71	23.5	0.0

Part27Q 78 PC2 Ant11											
Part 27Q	Modulation	RF Size	RF Ch. Offset	Power Ch./Power Fch	Power Ch./Power Fch	Power Ch./Power Fch	Power Ch./Power Fch	Time-up rate (dB)	MPR (dB)		
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
100	QPSK	Frequency (MHz)									
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	1	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	0	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	0	21.54	21.54	21.54	20.0	0.0
			100	QPSK	150	0	21.25	21.25	21.25	21.0	3.5
			100	QPSK	150	1	21.47	21.47	21.47	20.0	0.0
			100	QPSK	150	1	21.54	21.54	21.54	20.0	0.0
			100								



Reduced power level for 5G NR Main PA
DS11

n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl2 Ch / Freq	Power Lvl3 Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				834	834.5	835			
20	PB2 BPSK	1	1	24.48	24.52	24.53			
20	PB2 BPSK	1	0	24.37	24.41	24.4	25.5	0.0	
20	PB2 BPSK	104		24.28	24.4	24.33			
20	PB2 BPSK	50	0	24.17	24.08	24.09	25.0	0.5	
20	PB2 BPSK	50	36	24.13	23.95	23.95	25.5	0.0	
20	PB2 BPSK	50	56	24.21	24.34	24.28	25.0	0.5	
20	PB2 BPSK	130	0	23.85	23.53	23.53			
20	QPSK	1	1	24.45	24.60	24.53			
20	QPSK	1	03	24.37	24.50	24.46	25.5	0.0	
20	QPSK	104		24.46	24.52	24.56			
20	QPSK	50	0	23.49	23.52	23.52	24.5	1.0	
20	QPSK	50	28	23.57	23.67	23.58	25.5	0.0	
20	QPSK	50	55	23.57	23.81	23.53	24.5	1.0	
20	QPSK	100	0	22.55	22.64	22.55			
20	16QAM	1	1	22.50	22.43	22.50	24.5	1.0	
20	16QAM	1	1	22.23	22.11	22.15	23.5	2.5	
20	256QAM	1	1	20.12	20.04	20.10	21.0	4.5	
Channel				833.5	833.5	833.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.40	24.60	24.47	25.5	0.0	
Channel				1021.5	1020.5	1021.5	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.48	24.45	24.54	24.5	0.0	
Channel				1020.5	1020.5	1020.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	24.42	24.67	24.43	25.5	0.0	

n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl2 Ch / Freq	Power Lvl3 Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				50300	50300	50300			
Frequency (MHz)				2505	2505	2505			
50	PB2 BPSK	1	1	22.12	22.18	22.09			
50	PB2 BPSK	1	0	22.07	22.15	22.02	24.0	0.0	
50	PB2 BPSK	1	308	22.01	22.11	22.17			
50	PB2 BPSK	136	0	21.67	21.73	21.84	23.5	0.5	
50	PB2 BPSK	136	68	22.08	22.23	22.05	24.0	0.0	
50	PB2 BPSK	136	136	21.84	21.78	21.88	23.5	0.5	
50	PB2 BPSK	270	0	21.88	21.78	21.84			
50	QPSK	1	1	22.16	22.28	22.02	24.0	0.0	
50	QPSK	1	136	22.05	22.15	22.02			
50	QPSK	1	308	22.05	22.12	22.05			
50	QPSK	136	0	21.07	21.15	21.11	23.5	1.0	
50	QPSK	136	68	22.07	22.17	22.01	24.0	0.0	
50	QPSK	136	136	20.81	20.91	20.83	23.0	1.0	
50	QPSK	270	0	20.90	21.00	20.85			
50	16QAM	1	1	21.14	21.25	21.16	23.5	1.0	
50	16QAM	1	1	19.70	19.57	19.53	21.5	2.5	
50	256QAM	1	1	17.88	17.78	17.82	18.5	4.5	
Channel				50300.5	50300.5	50300.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500	2500	2500			
40	QPSK	1	1	21.84	22.11	21.86	24.0	0.0	
Channel				52510	52510	52510	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2505	2505			
30	QPSK	1	1	21.88	22.08	21.89	24.0	0.0	
Channel				52500	52500	52500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2527.5	2510	2510			
25	QPSK	1	1	21.13	22.13	21.16	24.0	0.0	
Channel				50200	50700	51000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2505	2510			
20	QPSK	1	1	21.32	22.03	21.91	24.0	0.0	
Channel				50160	50700	51000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.5	2500	2499.5			
15	QPSK	1	1	21.87	22.08	21.96	24.0	0.0	
Channel				50100	50700	51000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2500	2495			
10	QPSK	1	1	22.18	22.04	22.04	24.0	0.0	
Channel				2500.5	2497.0	2494.0	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.5	2500	2499.5			
5	QPSK	1	1	22.07	22.09	22.09	24.0	0.0	

n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Lvl Ch / Freq	Power Lvl2 Ch / Freq	Power Lvl3 Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				1700	1700	1700			
40	PB2 BPSK	1	1	22.09	22.62	22.82			
40	PB2 BPSK	1	0	22.71	22.88	22.88	24.5	0.0	
40	PB2 BPSK	1	214	22.54	22.75	22.72			
40	PB2 BPSK	104	0	22.11	22.18	22.19	24.0	0.5	
40	PB2 BPSK	104	54	22.87	22.82	22.83	24.5	0.0	
40	PB2 BPSK	104	104	22.37	22.35	22.41	24.0	0.5	
40	PB2 BPSK	216	0	22.13	22.13	22.24			
40	QPSK	1	1	22.68	22.76	22.72	24.5	0.0	
40	QPSK	1	104	22.59	22.65	22.70			
40	QPSK	1	214	22.56	22.65	22.64			
40	QPSK	104	0	21.70	21.65	21.77	23.5	1.0	
40	QPSK	104	54	22.85	22.86	22.83	24.5	0.0	
40	QPSK	104	104	21.93	21.84	21.88	23.5	1.0	
40	QPSK	216	0	22.51	22.55	22.83			
40	16QAM	1	1	21.55	21.52	21.63	23.5	1.0	
40	16QAM	1	1	20.12	20.05	20.16	23.0	2.5	
40	256QAM	1	1	18.07	18.00	18.10	20.0	4.5	
Channel				1700.5	1700.5	1700.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1705	1705	1705			
30	QPSK	1	1	22.08	22.58	22.59	24.5	0.0	
Channel				1810.5	1810.5	1810.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1705	1710			
20	QPSK	1	1	22.58	22.91	22.89	24.5	0.0	
Channel				34300	34300	34300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1710	1712.5			
15	QPSK	1	1	22.17	22.48	22.75	24.5	0.0	
Channel				34300	34900	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710	1810	1810			
10	QPSK	1	1	22.14	22.71	22.75	24.5	0.0	
Channel				34260	34900	35000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1718.5	1705	1711.5			
5	QPSK	1	1	22.87	22.73	22.71	24.0	0.0	

n38 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel									
Frequency (MHz)				2160.02	2160	2160.98			
40	P12 BPSK	1	1	21.06	22.02	21.92			
40	P12 BPSK	1	93	21.83	21.80	21.79	23.5	0.0	
40	P12 BPSK	1	104	21.81	21.88	21.81			
40	P12 BPSK	30	0	21.42	21.43	21.43	23.0	0.5	
40	P12 BPSK	30	28	21.74	21.72	21.85	23.0	0.0	
40	P12 BPSK	30	66	21.52	21.70	21.24			
40	P12 BPSK	196	0	21.23	21.27	21.32	23.0	0.5	
40	QPSK	1	1	21.98	22.04	21.85			
40	QPSK	1	93	21.80	21.88	21.84	23.5	0.0	
40	QPSK	1	104	21.88	21.87	21.88			
40	QPSK	30	0	20.83	20.87	20.87	22.5	1.0	
40	QPSK	30	28	21.85	21.88	21.87	23.5	0.0	
40	QPSK	30	66	20.73	20.67	20.74	22.5	1.0	
40	QPSK	196	0	20.67	20.70	20.72			
40	8QAM	1	1	21.08	20.95	21.09	22.5	1.0	
40	8QAM	1	1	19.59	19.57	19.57	21.0	2.5	
40	25QAM	1	1	17.58	17.48	17.42	19.5	4.5	
Channel									
Frequency (MHz)				5170.02	5169.98	5169.98	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	22.01	22.01	21.97	23.5	0.0	
Channel									
Frequency (MHz)				5180.00	5180.00	5180.00	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	21.93	22.00	21.74	23.5	0.0	

n41 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel									
Frequency (MHz)				2146.01	2150.30	2145			
100	P12 BPSK	1	1	21.02	21.04	21.17			
100	P12 BPSK	1	137	21.59	21.63	21.73	23.5	0.0	
100	P12 BPSK	1	271	21.58	21.7	21.85			
100	P12 BPSK	136	0	21.31	21.23	21.22	23.0	0.5	
100	P12 BPSK	136	66	21.51	21.50	21.88	23.0	0.0	
100	P12 BPSK	136	138	21.61	21.02	21.30			
100	P12 BPSK	270	0	21.24	21.15	21.31	23.0	0.5	
100	QPSK	1	1	22.09	22.13	21.83			
100	QPSK	1	137	21.62	21.63	21.81	23.5	0.0	
100	QPSK	1	271	21.85	21.69	21.88			
100	QPSK	136	0	20.79	20.85	20.89	22.5	1.0	
100	QPSK	136	66	22.05	22.07	21.91	23.5	0.0	
100	QPSK	136	138	20.51	20.67	20.88	22.5	1.0	
100	QPSK	270	0	21.66	21.64	21.82			
100	16QAM	1	1	20.53	20.54	20.57	32.5	1.0	
100	64QAM	1	1	19.43	19.41	19.49	21.0	2.5	
100	256QAM	1	1	17.38	17.31	17.40	19.5	4.5	
Channel									
Frequency (MHz)				5090.00	5189.98	5289.98	Time-up limit (dBfs)	MTR (dB)	
90	QPSK	1	1	22.04	22.02	21.97	23.5	0.0	
Channel									
Frequency (MHz)				5072.04	5189.98	5289.98	Time-up limit (dBfs)	MTR (dB)	
80	QPSK	1	1	21.98	22.03	21.95	23.5	0.0	
Channel									
Frequency (MHz)				5080.02	5189.98	5310.00	Time-up limit (dBfs)	MTR (dB)	
70	QPSK	1	1	22.03	22.08	21.92	23.5	0.0	
Channel									
Frequency (MHz)				5050.00	5189.98	5319.98	Time-up limit (dBfs)	MTR (dB)	
60	QPSK	1	1	21.98	22.03	21.83	23.5	0.0	
Channel									
Frequency (MHz)				5120.00	5189.98	5320.00	Time-up limit (dBfs)	MTR (dB)	
50	QPSK	1	1	21.94	22.00	21.83	23.5	0.0	
Channel									
Frequency (MHz)				5136.01	5189.98	5335	Time-up limit (dBfs)	MTR (dB)	
40	QPSK	1	1	21.89	22.02	21.86	23.5	0.0	
Channel									
Frequency (MHz)				5020.00	5189.98	5369.98	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	22.01	22.07	21.84	23.5	0.0	
Channel									
Frequency (MHz)				5012.04	5189.98	5369.98	Time-up limit (dBfs)	MTR (dB)	
20	QPSK	1	1	22.05	22.05	21.85	23.5	0.0	

Par270 n77 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel									
Frequency (MHz)				3720	3690	3675			
100	P12 BPSK	1	1	21.94	21.83	21.87			
100	P12 BPSK	1	137	21.60	21.65	21.53	23.5	0.0	
100	P12 BPSK	1	271	21.58	21.52	21.88			
100	P12 BPSK	136	0	21.45	21.50	21.51	23.0	0.5	
100	P12 BPSK	136	66	21.76	21.67	21.74	23.0	0.0	
100	P12 BPSK	136	138	21.59	21.76	21.38			
100	P12 BPSK	270	0	21.30	21.35	21.38	23.0	0.5	
100	QPSK	1	1	21.82	21.88	21.88			
100	QPSK	1	137	21.66	21.70	21.75	23.5	0.0	
100	QPSK	1	271	21.82	21.87	21.88			
100	QPSK	136	0	21.87	21.86	21.70	22.5	1.0	
100	QPSK	136	66	21.81	21.80	21.79	23.5	0.0	
100	QPSK	136	138	20.84	20.89	20.70	22.5	1.0	
100	QPSK	270	0	20.86	20.86	20.87			
100	8QAM	1	1	20.53	20.54	20.57	32.5	1.0	
100	8QAM	1	1	19.48	19.35	19.48	21.0	2.5	
100	25QAM	1	1	17.97	17.80	17.98	19.5	4.5	
Channel				8496.68	8560.00	8623.24	Time-up limit (dBfs)	MTR (dB)	
90	QPSK	1	1	21.94	22.00	21.87	23.5	0.0	
Channel				8483.34	8560.00	8626.68	Time-up limit (dBfs)	MTR (dB)	
80	QPSK	1	1	21.81	21.79	21.83	23.5	0.0	
Channel				8490.00	8560.00	8630.00	Time-up limit (dBfs)	MTR (dB)	
70	QPSK	1	1	21.81	21.74	21.57	23.5	0.0	
Channel				8476.68	8560.00	8633.34	Time-up limit (dBfs)	MTR (dB)	
60	QPSK	1	1	21.82	21.76	21.96	23.5	0.0	
Channel				8470.00	8560.00	8640.00	Time-up limit (dBfs)	MTR (dB)	
50	QPSK	1	1	21.88	21.91	21.80	23.5	0.0	
Channel				8460.00	8560.00	8640.00	Time-up limit (dBfs)	MTR (dB)	
40	QPSK	1	1	21.89	21.90	21.86	23.5	0.0	
Channel				8476.68	8560.00	8643.34	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	21.72	21.84	21.80	23.5	0.0	
Channel				8473.34	8560.00	8646.68	Time-up limit (dBfs)	MTR (dB)	
20	QPSK	1	1	21.44	21.76	21.67	23.5	0.0	

Part27Q n77 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				6333.34					
100	PSS-BPSK	1	1	21.08			23.5	0.0	
100	PSS-BPSK	1	137	21.70					
100	PSS-BPSK	1	271	21.69					
100	PSS-BPSK	135	0	21.08			23.5	0.0	
100	PSS-BPSK	135	66	21.91					
100	PSS-BPSK	135	135	21.94					
100	PSS-BPSK	270	0	21.52			20.0	0.5	
100	QPSK	1	1	22.04			23.5	0.0	
100	QPSK	1	137	22.00					
100	QPSK	1	271	21.81					
100	QPSK	135	0	21.78			23.5	0.0	
100	QPSK	135	66	22.00					
100	QPSK	135	135	20.99					
100	QPSK	270	0	22.04			22.5	1.0	
100	ISQAM	1	1	19.59			22.5	2.5	
100	ISQAM	1	1	18.99			21.0	2.5	
100	SSBQAM	1	1	19.59			19.0	4.0	
Channel									
Frequency (MHz)				6333.34		6333.34			
50	QPSK	1	1	21.75	21.81	21.87	23.5	0.0	
Channel									
Frequency (MHz)				6333.34		6340.00			
80	QPSK	1	1	21.70	21.72	21.87	23.5	0.0	
Channel									
Frequency (MHz)				6333.34		6343.34			
70	QPSK	1	1	21.63	21.89	21.80	23.5	0.0	
Channel									
Frequency (MHz)				6400.00		6400.00			
80	QPSK	1	1	21.63	21.74	21.89	23.5	0.0	
Channel									
Frequency (MHz)				6470.00		6470.00			
50	QPSK	1	1	21.70	21.77	21.68	23.5	0.0	
Channel									
Frequency (MHz)				6470.00		6470.00			
40	QPSK	1	1	21.68	21.69	21.73	23.5	0.0	
Channel									
Frequency (MHz)				6510.00		6510.00			
30	QPSK	1	1	21.80	21.84	21.73	23.5	0.0	
Channel									
Frequency (MHz)				6569.00		6569.00			
20	QPSK	1	1	21.70	21.69	21.68	23.5	0.0	

Part27O n78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	PSS-BPSK	1	1	21.84			23.5	0.0	
100	PSS-BPSK	1	137	21.08					
100	PSS-BPSK	1	271	21.64					
100	PSS-BPSK	135	0	21.91			23.5	0.0	
100	PSS-BPSK	135	66	21.79					
100	PSS-BPSK	135	135	21.92					
100	PSS-BPSK	270	0	21.74			23.5	0.0	
100	QPSK	1	1	22.04					
100	QPSK	1	137	21.89					
100	QPSK	1	271	21.78			23.5	0.0	
100	QPSK	135	0	21.89					
100	QPSK	135	66	21.79					
100	QPSK	135	135	21.53			23.5	0.0	
100	QPSK	270	0	22.04					
100	QPSK	270	0	21.95					
100	ISQAM	1	1	21.09			22.5	1.0	1.0
100	ISQAM	1	1	19.01					
Channel									
Frequency (MHz)				6569					
50	QPSK	1	1	21.62	21.68	21.64	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
80	QPSK	1	1	21.55	21.64	21.80	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
70	QPSK	1	1	21.65	21.81	21.57	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
80	QPSK	1	1	21.61	21.59	21.58	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
50	QPSK	1	1	21.50	21.68	21.50	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
40	QPSK	1	1	21.53	21.69	21.60	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
30	QPSK	1	1	21.64	21.63	21.59	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					
20	QPSK	1	1	21.59	21.64	21.58	23.5	0.0	0.0
Channel									
Frequency (MHz)				6569					

Part27O n78 PC2 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3750		3750					
100	PSS-BPSK	1	1	21.78				25.0	0.0		
100	PSS-BPSK	1	137	21.62							
100	PSS-BPSK	1	271	22.02							
100	PSS-BPSK	135	0	22.07				24.5	0.5		
100	PSS-BPSK	135	66	22.24							
100	PSS-BPSK	135	135	21.09							
100	PSS-BPSK	270	0	21.09			24.5	0.5	0.5		
100	QPSK	1	1	23.46							
100	QPSK	1	137	23.14							
100	QPSK	1	271	22.45				25.0	0.0		
100	QPSK	135	0	22.33							
100	QPSK	135	66	23.05							
100	QPSK	135	135	21.89				24.5	1.0		
100	QPSK	270	0	22.15			24.5				
100	QPSK	270	0	21.90			25.0				
100	ISQAM	1	1	20.77			22.5	2.5	2.5		
100	ISQAM	1	1	18.38			18.38				
Channel											
Frequency (MHz)				6569.00		6569.00					
50	QPSK	1	1	21.52	21.50	21.34	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
80	QPSK	1	1	21.26	21.24	21.18	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
70	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
50	QPSK	1	1	21.11	21.05	21.36	25.0	0.0	0.0		
Channel											
Frequency (MHz)				3750.51		3750.51					
50	QPSK	1	1	21.11	21.05	21.36	25.0	0.0	0.0		
Channel											
Frequency (MHz)				3750.51		3750.51					
80	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
80	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
50	QPSK	1	1	21.52	21.50	21.34	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
80	QPSK	1	1	21.26	21.24	21.18	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
70	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
50	QPSK	1	1	21.11	21.05	21.36	25.0	0.0	0.0		
Channel											
Frequency (MHz)				3750.51		3750.51					
50	QPSK	1	1	21.11	21.05	21.36	25.0	0.0	0.0		
Channel											
Frequency (MHz)				3750.51		3750.51					
80	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
80	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					
50	QPSK	1	1	21.52	21.50	21.34	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6569.00		6569.00					

Part27Q 78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MPR (dB)	
Channel									
Frequency [MHz]				63300	63334	63368	Tune-up Int.		
100	PSS-BPSK	1	1	21.29				23.5	0.0
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	21.53					
100	PSS-BPSK	135	5	21.88				23.5	0.0
100	PSS-BPSK	135	89	21.94					
100	PSS-BPSK	135	125	21.78					
100	PSS-BPSK	270	5	21.28				23.0	0.5
100	QPSK	1	1	22.00					
100	QPSK	1	137	21.84					
100	QPSK	1	271	21.83				23.5	0.0
100	QPSK	135	5	21.88					
100	QPSK	135	89	21.83					
100	QPSK	135	125	21.59				23.5	0.0
100	QPSK	270	5	21.84					
100	QPSK	270	5	21.20					
100	ISQAM	1	1	21.20				25.0	1.0
100	ISQAM	1	1	21.19					
100	ISQAM	1	1	21.19					
100	ISQAM	1	1	21.19				24.0	2.5
100	ISQAM	1	1	21.19					
100	ISQAM	1	1	21.19					
Channel				63300	63334	63368	Tune-up Int.	MPR	
Frequency [MHz]				63300	63334	63368	dBm	dB	
50	QPSK	1	1	23.75	23.77	23.88	23.5	0.0	
Channel				63368	63334	63400	Tune-up Int.	MPR	
Frequency [MHz]				63368	63334	63400	dBm	dB	
80	QPSK	1	1	23.70	23.73	23.70	23.5	0.0	
Channel				63234	63334	63434	Tune-up Int.	MPR	
Frequency [MHz]				63234	63334	63434	dBm	dB	
70	QPSK	1	1	23.73	23.68	23.79	23.5	0.0	
Channel				63400	63334	63468	Tune-up Int.	MPR	
Frequency [MHz]				63400	63334	63468	dBm	dB	
60	QPSK	1	1	23.70	23.77	23.70	23.5	0.0	
Channel				3576.02	3500.91	3623	Tune-up Int.	MPR	
Frequency [MHz]				3576.02	3500.91	3623	dBm	dB	
50	QPSK	1	1	23.68	23.68	23.68	23.5	0.0	
Channel				63134	63134	63134	Tune-up Int.	MPR	
Frequency [MHz]				63134	63134	63134	dBm	dB	
40	QPSK	1	1	23.68	23.68	23.67	23.5	0.0	
Channel				63100	63334	63668	Tune-up Int.	MPR	
Frequency [MHz]				63100	63334	63668	dBm	dB	
30	QPSK	1	1	23.71	23.72	23.63	23.5	0.0	
Channel				63668	63334	63600	Tune-up Int.	MPR	
Frequency [MHz]				63668	63334	63600	dBm	dB	
20	QPSK	1	1	23.67	23.66	23.60	23.5	0.0	

Part27Q 78 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63300		63334	63368	Tune-up Int.	MPR
Frequency [MHz]				63300		63334	63368	dBm	dB
100	PSS-BPSK	1	1	23.29				25.0	0.0
100	PSS-BPSK	1	137	23.27					
100	PSS-BPSK	1	271	22.74					
100	PSS-BPSK	135	5	22.75				24.5	0.5
100	PSS-BPSK	135	89	23.08					
100	PSS-BPSK	135	125	22.88					
100	PSS-BPSK	270	5	23.27				24.5	0.5
100	QPSK	1	1	23.50					
100	QPSK	1	137	22.23					
100	QPSK	1	271	22.27				24.5	1.0
100	QPSK	135	5	22.76					
100	QPSK	135	89	23.39					
100	QPSK	135	125	21.70				25.0	1.0
100	QPSK	270	5	22.24					
100	QPSK	270	5	21.75					
100	ISQAM	1	1	21.75				25.0	1.0
100	ISQAM	1	1	21.75					
100	ISQAM	1	1	21.75					
100	ISQAM	1	1	21.75				22.5	2.5
100	ISQAM	1	1	21.75					
100	ISQAM	1	1	21.75					
Channel				63300		63334	63368	Tune-up Int.	MPR
Frequency [MHz]				63300		63334	63368	dBm	dB
50	QPSK	1	1	23.10	23.25	23.20	25.0	0.0	
Channel				63368		63334	63400	Tune-up Int.	MPR
Frequency [MHz]				63368		63334	63400	dBm	dB
80	QPSK	1	1	23.17	23.26	23.29	25.0	0.0	
Channel				63234		63334	63434	Tune-up Int.	MPR
Frequency [MHz]				63234		63334	63434	dBm	dB
70	QPSK	1	1	23.20	23.29	23.28	25.0	0.0	
Channel				63400		63334	63468	Tune-up Int.	MPR
Frequency [MHz]				63400		63334	63468	dBm	dB
60	QPSK	1	1	23.19	23.28	23.19	25.0	0.0	
Channel				6370.02		3500.91	3623	Tune-up Int.	MPR
Frequency [MHz]				6370.02		3500.91	3623	dBm	dB
50	QPSK	1	1	23.22	23.21	23.21	25.0	0.0	
Channel				63134		63134	63134	Tune-up Int.	MPR
Frequency [MHz]				63134		63134	63134	dBm	dB
40	QPSK	1	1	23.27	23.23	23.20	25.0	0.0	
Channel				63100		63334	63668	Tune-up Int.	MPR
Frequency [MHz]				63100		63334	63668	dBm	dB
30	QPSK	1	1	23.14	23.28	23.20	25.0	0.0	
Channel				63668		63334	63600	Tune-up Int.	MPR
Frequency [MHz]				63668		63334	63600	dBm	dB
20	QPSK	1	1	23.12	23.29	23.17	25.0	0.0	

n5 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MFR (dB)
Channel				16480	16736	16992		
Frequency (MHz)				164	168.5	173		
20	PL2 BPSK	1	1	20.03	20.03	19.94	20.5	0.0
20	PL2 BPSK	1	63	20.05	20.05	19.93		
20	PL2 BPSK	1	104	20.03	20	19.94		
20	PL2 BPSK	50	0	19.97	19.93	19.81	20.5	0.0
20	PL2 BPSK	50	26	20.00	20.04	19.81	20.5	0.0
20	PL2 BPSK	50	66	19.96	20.04	19.86	20.5	0.0
20	PL2 BPSK	100	0	20.12	20.05	20.04		
20	QPSK	1	1	20.12	20.21	20.03		
20	QPSK	1	63	20.05	20.12	19.85	20.5	0.0
20	QPSK	1	104	20	19.98	19.98	20.5	0.0
20	QPSK	50	0	19.94	20.15	19.88		
20	QPSK	50	26	20.02	20.17	19.93		
20	QPSK	50	66	19.98	20.07	20.02	20.5	0.0
20	QPSK	100	0	19.93	20.05	19.96	20.5	0.0
20	16QAM	1	1	19.99	20.04	19.95		
20	16QAM	1	1	19.99	20.04	19.92		
20	256QAM	1	1	20.14	20.04	19.88	20.5	0.0
Channel				16850	16736	16950	Time-up limit	MFR
Frequency (MHz)				168.5	168.4	168.5	100%	0.0
15	QPSK	1	1	20.05	20.11	19.85	20.5	0.0
Channel				16880	16736	16850	Time-up limit	MFR
Frequency (MHz)				168	168.5	168	100%	0.0
10	QPSK	1	1	20.05	20.15	19.91	20.5	0.0
Channel				16500	16736	16900	Time-up limit	MFR
Frequency (MHz)				165.5	168.5	168.5	100%	0.0
5	QPSK	1	1	19.96	20.05	19.95	20.5	0.0

n7 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50700	50000			
Frequency (MHz)				2425	2430	2445			
50	P12 BPSK	1	1	22.10	22.20	22.30			
50	P12 BPSK	1	136	22.27	22.37	22.22	24.0	0.0	
50	P12 BPSK	1	268	22.21	22.31	22.17			
50	P12 BPSK	136	0	21.87	21.93	21.84	23.5	0.5	
50	P12 BPSK	136	68	22.28	22.43	22.28	24.0	0.0	
50	P12 BPSK	136	136	21.84	21.98	21.86			
50	P12 BPSK	272	0	21.88	21.95	21.84	23.5	0.5	
50	QPSK	1	1	22.48	22.68	22.52			
50	QPSK	1	136	22.25	22.35	22.32	24.0	0.0	
50	QPSK	1	268	22.23	22.32	22.28			
50	QPSK	136	0	21.27	21.38	21.31	23.0	1.0	
50	QPSK	136	68	22.15	22.30	22.21	24.0	0.0	
50	QPSK	136	136	21.31	21.47	21.36			
50	QPSK	272	0	21.46	21.60	21.36	23.0	1.0	
50	16QAM	1	1	21.34	21.45	21.36	23.0	1.0	
50	64QAM	1	1	19.67	19.77	19.83	21.5	2.5	
50	256QAM	1	1	17.88	17.98	17.82	19.5	4.5	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50625	50700			
40	QPSK	1	1	22.44	22.62	22.41	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50600	50600			
30	QPSK	1	1	22.43	22.65	22.34	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50500	50500			
25	QPSK	1	1	22.31	22.61	22.53	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50500	50500			
20	P12 BPSK	1	1	22.34	22.65	22.38	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50500	50500			
15	QPSK	1	1	22.12	22.47	22.48	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50500	50500			
10	QPSK	1	1	21.38	21.68	21.43	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50500	50500			
5	QPSK	1	1	22.27	22.60	22.43	24.0	0.0	

n66 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000			
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	24.48	24.61	24.50			
40	P12 BPSK	1	108	24.52	24.60	24.54	25.5	0.0	
40	P12 BPSK	1	214	24.49	24.54	24.60			
40	P12 BPSK	108	0	24.11	24.05	24.07	25.0	0.5	
40	P12 BPSK	108	54	24.49	24.47	24.48	25.0	0.0	
40	P12 BPSK	108	108	24.15	24.12	24.11			
40	P12 BPSK	216	0	24.07	24.01	24.05	25.0	0.5	
40	QPSK	1	1	24.54	24.61	24.58			
40	QPSK	1	108	24.56	24.55	24.42	25.5	0.0	
40	QPSK	1	214	24.48	24.51	24.58			
40	QPSK	108	0	23.45	23.45	23.46	24.5	1.0	
40	QPSK	108	54	24.28	24.42	24.38	25.5	0.0	
40	QPSK	108	108	23.77	23.62	23.72	24.5	1.0	
40	QPSK	216	0	22.26	22.07	22.34			
40	16QAM	1	1	23.28	23.31	23.27	24.5	1.0	
40	64QAM	1	1	22.08	21.97	22.07	23.0	2.5	
40	256QAM	1	1	19.89	19.81	19.84	21.0	4.5	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1730	1730			
30	QPSK	1	1	24.42	24.53	24.53	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1740	1740			
30	QPSK	1	1	24.42	24.50	24.54	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1740	1722.5			
15	QPSK	1	1	24.41	24.54	24.55	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1740	1715			
10	QPSK	1	1	24.43	24.50	24.54	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1740	1712.5			
5	QPSK	1	1	24.51	24.57	24.50	25.5	0.0	

n38 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				5160.0	5160.0	5160.0			
40	P12 BPSK	1	1	22.65	22.70	22.84			
40	P12 BPSK	1	53	22.64	22.68	22.68	24.0	0.0	
40	P12 BPSK	1	104	22.64	22.62	22.62			
40	P12 BPSK	50	0	22.16	22.14	22.23	23.5	0.5	
40	P12 BPSK	50	28	22.59	22.60	22.61	24.0	0.0	
40	P12 BPSK	50	56	22.56	22.54	22.61			
40	P12 BPSK	100	0	22.25	22.17	22.11	33.5	0.5	
40	QPSK	1	1	22.67	22.74	22.71			
40	QPSK	1	53	22.65	22.64	22.62	24.0	0.0	
40	QPSK	1	104	22.61	22.43	22.53			
40	QPSK	50	0	21.72	21.62	21.62	23.0	1.0	
40	QPSK	50	28	22.60	22.60	22.48	24.0	0.0	
40	QPSK	50	56	22.51	22.50	22.36	23.0	1.0	
40	QPSK	100	0	21.56	21.60	21.54			
40	16QAM	1	1	21.55	21.55	21.55	23.0	1.0	
40	64QAM	1	1	20.20	20.25	20.34	21.5	2.5	
40	256QAM	1	1	18.12	18.11	18.31	19.5	4.5	
Channel									
Frequency (MHz)				5170.0	5169.0	5169.0	Time-up (ms)	MPR	
30	QPSK	1	1	22.61	22.62	22.61	24.0	0.0	
Channel									
Frequency (MHz)				5180.0	5180.0	5200.0	Time-up (ms)	MPR	
Channel									
Frequency (MHz)				5180.0	5180.0	5180.0			
30	QPSK	1	1	22.63	22.61	22.68	24.0	0.0	

n41 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MPR (dB)	
Channel									
Frequency (MHz)				256.81	2562.50	2620			
100	P12 BPSK	1	1	22.71	22.62	22.80			
100	P12 BPSK	1	137	22.76	22.62	22.62	24.0	0.0	
100	P12 BPSK	1	271	22.61	22.72	22.75			
100	P12 BPSK	136	0	22.19	22.21	22.31	23.5	0.5	
100	P12 BPSK	136	68	22.71	22.60	22.82	24.0	0.0	
100	P12 BPSK	136	136	22.44	22.52	22.66			
100	P12 BPSK	270	0	22.43	22.32	22.31	23.5	0.5	
100	QPSK	1	1	22.73	22.65	22.80			
100	QPSK	1	137	22.68	22.61	22.62	24.0	0.0	
100	QPSK	1	271	22.76	22.73	22.82			
100	QPSK	136	0	21.82	21.66	21.73	23.0	1.0	
100	QPSK	136	68	22.65	22.67	22.61	24.0	0.0	
100	QPSK	136	136	21.82	21.78	21.86	23.0	1.0	
100	QPSK	270	0	21.76	21.66	21.66			
100	16QAM	1	1	20.39	20.37	20.34	21.5	2.5	
100	256QAM	1	1	18.38	18.21	18.30	19.5	4.5	
Channel									
Frequency (MHz)				5165.00	5163.00	5209.00	Time-up (ms)	MPR	
90	QPSK	1	1	22.61	22.62	22.61	24.0	0.0	
Channel									
Frequency (MHz)				5172.04	5169.00	5209.00	Time-up (ms)	MPR	
Channel									
Frequency (MHz)				5182.03	5180.00	5180.00	Time-up (ms)	MPR	
80	QPSK	1	1	22.70	22.61	22.67	24.0	0.0	
Channel									
Frequency (MHz)				5182.02	5180.00	5210.00	Time-up (ms)	MPR	
70	QPSK	1	1	22.72	22.77	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5185.00	5180.00	5210.00	Time-up (ms)	MPR	
60	QPSK	1	1	22.61	22.62	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5185.01	5180.00	5210.00	Time-up (ms)	MPR	
Channel									
Frequency (MHz)				5181.02	5182.50	5184.50			
50	QPSK	1	1	22.68	22.67	22.72	24.0	0.0	
Channel									
Frequency (MHz)				5186.03	5180.00	5180.00	Time-up (ms)	MPR	
40	QPSK	1	1	21.67	22.62	22.78	24.0	0.0	
Channel									
Frequency (MHz)				5187.00	5180.00	5180.00	Time-up (ms)	MPR	
30	QPSK	1	1	22.73	22.73	22.63	24.0	0.0	
Channel									
Frequency (MHz)				5187.04	5180.00	5180.00	Time-up (ms)	MPR	
20	QPSK	1	1	22.69	22.78	22.73	24.0	0.0	

n7 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				2525	2525	2545			
50	P12 BPSK	1	1	17.81	17.84	17.76			
50	P12 BPSK	1	136	17.68	17.50	17.75	19.0	0.0	
50	P12 BPSK	1	268	17.89	17.86	17.84			
50	P12 BPSK	136	0	17.83	17.54	17.81	19.0	0.0	
50	P12 BPSK	136	68	17.81	17.62	17.88	19.0	0.0	
50	P12 BPSK	136	136	17.62	17.64	17.65			
50	P12 BPSK	272	0	17.51	17.51	17.73	19.0	0.0	
50	QPSK	1	1	17.89	17.87	17.80			
50	QPSK	1	136	17.85	17.85	17.76	19.0	0.0	
50	QPSK	1	268	17.80	17.82	17.81			
50	QPSK	136	0	17.88	17.85	17.85	19.0	1.0	
50	QPSK	136	68	17.71	17.54	17.80	19.0	0.0	
50	QPSK	136	136	17.84	17.69	17.71	19.0	1.0	
50	QPSK	272	0	17.56	17.57	17.74			
50	16QAM	1	1	17.76	17.65	17.76	19.0	0.0	
50	64QAM	1	1	17.78	17.66	17.82	19.0	0.0	
50	256QAM	1	1	17.37	17.53	17.40	19.5	0.5	
Channel				504500	507000	510000	Time-up limit (dBm)	MPR	
Frequency (MHz)				50500	50625	50700	19.0	0.0	
40	QPSK	1	1	17.80	17.80	17.91	19.0	0.0	
Channel				503000	507000	511000	Time-up limit (dBm)	MPR	
Frequency (MHz)				50316	50488	50600	19.0	0.0	
30	QPSK	1	1	17.88	17.81	17.72	19.0	0.0	
Channel				505000	507000	511000	Time-up limit (dBm)	MPR	
Frequency (MHz)				5053.2	50530	5053.5	19.0	0.0	
25	QPSK	1	1	17.82	17.89	17.81	19.0	0.0	
Channel				504000	507000	510000	Time-up limit (dBm)	MPR	
Frequency (MHz)				50410	50510	50600	19.0	0.0	
20	P12 BPSK	1	1	17.79	17.82	17.89	19.0	0.0	
Channel				505000	507000	511000	Time-up limit (dBm)	MPR	
Frequency (MHz)				50527.5	50530	5053.5	19.0	0.0	
15	QPSK	1	1	17.77	17.82	17.88	19.0	0.0	
Channel				505000	507000	511000	Time-up limit (dBm)	MPR	
Frequency (MHz)				50510	50510	50510	19.0	0.0	
10	QPSK	1	1	17.76	17.80	17.86	19.0	0.0	
Channel				506000	507000	510000	Time-up limit (dBm)	MPR	
Frequency (MHz)				50613.8	50614	50614.8	19.0	0.0	
5	QPSK	1	1	17.91	17.94	17.74	19.0	0.0	

n66 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				1730	1740	1746			
40	P12 BPSK	1	1	19.37	19.40	19.36			
40	P12 BPSK	1	108	19.58	19.87	19.37	20.0	0.0	
40	P12 BPSK	1	214	19.47	19.88	19.53			
40	P12 BPSK	108	0	19.56	19.83	19.89	20.0	0.0	
40	P12 BPSK	108	54	19.48	19.70	19.45	20.0	0.0	
40	P12 BPSK	108	108	19.46	19.77	19.47			
40	P12 BPSK	216	0	19.44	19.73	19.58	20.0	0.0	
40	QPSK	1	1	19.65	19.91	19.89			
40	QPSK	1	108	19.45	19.84	19.48	20.0	0.0	
40	QPSK	1	214	19.46	19.75	19.46			
40	QPSK	108	0	19.45	19.86	19.53	20.0	0.0	
40	QPSK	108	54	19.45	19.80	19.56	20.0	0.0	
40	QPSK	108	108	19.69	19.79	19.53	20.0	0.0	
40	QPSK	216	0	19.44	19.66	19.55			
40	16QAM	1	1	19.57	19.85	19.46	20.0	0.0	
40	64QAM	1	1	19.67	19.68	19.49	20.0	0.0	
40	256QAM	1	1	19.15	19.37	19.10	19.5	0.5	
Channel				345000	346000	347000	Time-up limit (dBm)	MPR	
Frequency (MHz)				34520	34575	34600	19.0	0.0	
30	QPSK	1	1	19.54	19.80	19.46	20.0	0.0	
Channel				344000	346000	348000	Time-up limit (dBm)	MPR	
Frequency (MHz)				34410	34460	34510	19.0	0.0	
30	QPSK	1	1	19.65	19.81	19.53	20.0	0.0	
Channel				343000	346000	349000	Time-up limit (dBm)	MPR	
Frequency (MHz)				34312.2	34360	3432.5	19.0	0.0	
15	QPSK	1	1	19.59	19.91	19.58	20.0	0.0	
Channel				345000	346000	347000	Time-up limit (dBm)	MPR	
Frequency (MHz)				34510	34560	34610	19.0	0.0	
10	QPSK	1	1	19.54	19.83	19.59	20.0	0.0	
Channel				345000	346000	347000	Time-up limit (dBm)	MPR	
Frequency (MHz)				34512.5	34560	3457.5	19.0	0.0	
5	QPSK	1	1	19.61	19.74	19.47	20.0	0.0	

n38 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq. S16004	Power Middle Ch./ Freq. S16006	Power High Ch./ Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2090.02	2090	2090.98			
40	P12 BPSK	1	1	16.92	17.02	17.07			
40	P12 BPSK	1	53	16.98	17.17	16.97	18.5	0.0	
40	P12 BPSK	1	104	16.80	17.03	17.02			
40	P12 BPSK	50	0	16.98	17.09	17.08	18.5	0.0	
40	P12 BPSK	50	28	16.92	17.12	17.05	18.5	0.0	
40	P12 BPSK	50	56	16.95	17.10	16.96			
40	P12 BPSK	100	0	16.90	17.15	17.06	18.5	0.0	
40	QPSK	1	1	17.00	17.17	17.13			
40	QPSK	1	53	16.98	17.08	17.13	18.5	0.0	
40	QPSK	1	104	16.95	16.99	17.06			
40	QPSK	50	0	16.91	17.05	17.02	18.5	0.0	
40	QPSK	50	28	16.95	17.11	16.93	18.5	0.0	
40	QPSK	50	56	16.92	17.01	17.06	18.5	0.0	
40	QPSK	100	0	16.94	17.00	17.00	18.5	0.0	
40	84QAM	1	1	16.82	16.96	16.98	18.5	0.0	
40	84QAM	1	1	16.84	16.96	17.11	18.5	0.0	
40	84QAM	1	1	16.88	17.11	17.04	18.5	0.0	
Channel									
Frequency (MHz)				5170.02	5169.99	5169.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5203.17	5203	5203.87	18.5	0.0	
30	QPSK	1	1	16.59	17.04	17.13	18.5	0.0	
Channel									
Frequency (MHz)				5180.00	5180.00	5200.00	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2090	2090	2090			
30	QPSK	1	1	16.97	17.12	17.13	18.5	0.0	

n41 PC3 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S06005	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S06000	Time-up (ms) (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2046.01	2042.50	2045			
100	P12 BPSK	1	1	17.07	16.90	17.13			
100	P12 BPSK	1	137	17.10	17.14	16.97	18.5	0.0	
100	P12 BPSK	1	271	16.97	17.10	17.11			
100	P12 BPSK	136	0	16.99	17.12	17.00	18.5	0.0	
100	P12 BPSK	136	68	17.15	17.09	16.93	18.5	0.0	
100	P12 BPSK	136	136	17.05	17.05	17.06			
100	QPSK	1	1	17.16	17.10	17.15			
100	QPSK	1	137	16.99	17.17	17.06	18.5	0.0	
100	QPSK	1	271	17.11	17.12	17.14			
100	QPSK	136	0	17.10	17.04	17.06	18.5	0.0	
100	QPSK	136	68	17.07	17.11	17.05	18.5	0.0	
100	QPSK	136	136	17.10	17.04	17.10			
100	QPSK	270	0	16.96	17.00	16.97	18.5	0.0	
100	84QAM	1	1	16.98	17.01	17.04	18.5	0.0	
100	84QAM	1	1	17.14	17.01	17.04	18.5	0.0	
100	84QAM	1	1	17.05	17.03	17.02	18.5	0.0	
Channel									
Frequency (MHz)				5205.00	5189.98	5209.99	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				5203.17	5202.97	5203.87	18.5	0.0	
30	QPSK	1	1	17.08	17.09	17.02	18.5	0.0	
Channel									
Frequency (MHz)				5072.04	5189.98	5209.99	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2042.02	2042.50	2042.98	18.5	0.0	
30	QPSK	1	1	17.03	16.97	16.93	18.5	0.0	
Channel									
Frequency (MHz)				5062.02	5189.98	5210.00	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2031.01	2042.50	2055	18.5	0.0	
70	QPSK	1	1	17.03	17.14	17.17	18.5	0.0	
Channel									
Frequency (MHz)				5050.00	5189.98	5210.00	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2036	2042.50	2049.98	18.5	0.0	
60	QPSK	1	1	17.08	17.13	17.13	18.5	0.0	
Channel									
Frequency (MHz)				2031.02	2042.50	2044.99	18.5	0.0	
Channel									
Frequency (MHz)				2046.01	2042.50	2045	18.5	0.0	
50	QPSK	1	1	17.16	17.10	17.12	18.5	0.0	
Channel									
Frequency (MHz)				5050.00	5189.98	5207.02	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2036.01	2042.50	2045	18.5	0.0	
40	QPSK	1	1	16.97	17.00	17.11	18.5	0.0	
Channel									
Frequency (MHz)				5020.00	5189.98	5206.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2011	2042.50	2044.99	18.5	0.0	
30	QPSK	1	1	17.14	16.98	16.98	18.5	0.0	
Channel									
Frequency (MHz)				5012.04	5189.98	5206.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2008.12	2042.50	2043.99	18.5	0.0	
20	QPSK	1	1	17.08	17.00	17.15	18.5	0.0	

n7 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel				2525	2535	2545			
50	P12 BPSK	1	1	15.77	15.80	15.71			
50	P12 BPSK	1	136	15.79	15.50	15.84	16.5	0.0	
50	P12 BPSK	1	268	15.69	15.52	15.84			
50	P12 BPSK	136	0	15.68	15.85	15.77	16.5	0.0	
50	P12 BPSK	136	68	15.61	16.00	15.79	16.0	0.0	
50	P12 BPSK	136	136	15.74	15.96	15.75			
50	P12 BPSK	272	0	15.72	15.55	15.88	16.5	0.0	
50	QPSK	1	1	15.80	16.02	15.87			
50	QPSK	1	136	15.82	15.83	15.74	16.5	0.0	
50	QPSK	1	268	15.86	15.88	15.71			
50	QPSK	136	0	15.83	15.85	15.72	15.5	1.0	
50	QPSK	136	68	15.71	15.97	15.74	16.5	0.0	
50	QPSK	136	136	15.59	15.87	15.86	16.5	1.0	
50	QPSK	272	0	15.66	15.95	15.87			
50	16QAM	1	1	15.79	15.95	15.82	16.5	0.0	
50	16QAM	1	1	15.68	16.00	15.75	16.5	0.0	
50	256QAM	1	1	15.81	15.80	15.81	16.5	0.0	
Channel				504500	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				504500	507000	510000	(dB)	(dB)	
40	QPSK	1	1	15.73	15.85	15.84	16.5	0.0	
Channel				503000	507000	511000	Time-up (ms)	MTR	
Frequency (MHz)				503000	506000	510000	(dB)	(dB)	
30	QPSK	1	1	15.71	15.84	15.78	16.0	0.0	
Channel				502500	507000	511500	Time-up (ms)	MTR	
Frequency (MHz)				502500	505000	505500	(dB)	(dB)	
25	QPSK	1	1	15.82	15.93	15.85	16.0	0.0	
Channel				506000	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				506000	507000	508000	(dB)	(dB)	
20	P12 BPSK	1	1	15.71	15.93	15.74	16.5	0.0	
Channel				505500	507000	511000	Time-up (ms)	MTR	
Frequency (MHz)				505500	506500	508000	(dB)	(dB)	
15	QPSK	1	1	15.72	15.90	15.83	16.5	0.0	
Channel				5035000	5070000	5110000	Time-up (ms)	MTR	
Frequency (MHz)				5035000	5070000	5110000	(dB)	(dB)	
10	QPSK	1	1	15.74	15.93	15.79	16.5	0.0	
Channel				5000000	5070000	5130000	Time-up (ms)	MTR	
Frequency (MHz)				5000000	5070000	5130000	(dB)	(dB)	
5	QPSK	1	1	15.63	15.90	15.86	16.5	0.0	

n66 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel				1730	1740	1740			
40	P12 BPSK	1	1	15.76	15.84	15.72			
40	P12 BPSK	1	108	15.83	15.97	15.79	17.0	0.0	
40	P12 BPSK	1	214	15.72	15.86	15.84			
40	P12 BPSK	108	0	15.81	15.81	15.71	17.0	0.0	
40	P12 BPSK	108	54	15.84	15.84	15.81	17.0	0.0	
40	P12 BPSK	108	108	15.75	15.82	15.80			
40	P12 BPSK	216	0	15.85	15.83	15.79	17.0	0.0	
40	QPSK	1	1	15.92	15.98	15.84			
40	QPSK	1	108	15.73	15.77	15.80	17.0	0.0	
40	QPSK	1	214	15.79	15.75	15.72			
40	QPSK	108	0	15.81	15.82	15.84	17.0	0.0	
40	QPSK	108	54	15.87	15.86	15.86	17.0	0.0	
40	QPSK	108	108	15.91	15.78	15.79	17.0	0.0	
40	QPSK	216	0	15.86	15.86	15.86			
40	16QAM	1	1	15.80	15.84	15.83	17.0	0.0	
40	16QAM	1	1	15.89	15.75	15.72	17.0	0.0	
40	256QAM	1	1	15.76	15.83	15.79	17.0	0.0	
Channel				345000	349000	353000	Time-up (ms)	MTR	
Frequency (MHz)				345000	347000	349000	(dB)	(dB)	
30	QPSK	1	1	15.82	15.75	15.73	17.0	0.0	
Channel				344000	349000	358000	Time-up (ms)	MTR	
Frequency (MHz)				344000	346000	348000	(dB)	(dB)	
30	QPSK	1	1	15.84	15.90	15.78	17.0	0.0	
Channel				343000	349000	354000	Time-up (ms)	MTR	
Frequency (MHz)				343000	346000	347000	(dB)	(dB)	
15	QPSK	1	1	15.71	15.91	15.82	17.0	0.0	
Channel				345000	349000	350000	Time-up (ms)	MTR	
Frequency (MHz)				345000	346000	347000	(dB)	(dB)	
10	QPSK	1	1	15.90	15.96	15.81	17.0	0.0	
Channel				345000	349000	350000	Time-up (ms)	MTR	
Frequency (MHz)				345000	346000	347000	(dB)	(dB)	
5	QPSK	1	1	15.72	15.96	15.80	17.0	0.0	

n38 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				518004	518000	518008			
Frequency (MHz)				2090.02	2090	2090.98			
40	P12 BPSK	1	1	18.06	18.00	17.94			
40	P12 BPSK	1	53	17.88	18.03	17.79	18.5	0.0	
40	P12 BPSK	1	104	17.98	17.87	17.72			
40	P12 BPSK	50	0	17.99	18.15	17.88	18.5	0.0	
40	P12 BPSK	50	28	17.93	18.12	17.84	18.0	0.0	
40	P12 BPSK	50	56	18.02	18.14	17.84			
40	P12 BPSK	100	0	17.98	18.05	17.78	18.5	0.0	
40	QPSK	1	1	18.04	18.17	17.87			
40	QPSK	1	53	17.97	18.21	17.82	18.5	0.0	
40	QPSK	1	104	18.05	18.10	17.83			
40	QPSK	50	0	17.89	18.05	17.79	18.5	0.0	
40	QPSK	50	28	17.90	18.10	17.85	18.5	0.0	
40	QPSK	50	56	17.88	18.00	17.74	18.5	0.0	
40	QPSK	100	0	17.96	18.00	17.86			
40	16QAM	1	1	17.94	18.07	17.70	18.5	0.0	
40	16QAM	1	1	17.85	18.04	17.73	18.5	0.0	
40	256QAM	1	1	17.83	17.88	17.88	18.5	0.0	
Channel				517000	518000	520000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.01	2090	2093.99			
30	QPSK	1	1	17.91	18.13	17.85	18.5	0.0	
Channel				518000	518000	520000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2090	2090	2090			
30	QPSK	1	1	18.03	18.03	17.82	18.5	0.0	

n41 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				2048.01	2092.50	2048			
Frequency (MHz)				2048.01	2092.50	2048			
100	P12 BPSK	1	1	17.82	18.00	17.80			
100	P12 BPSK	1	137	17.87	18.00	17.89	18.5	0.0	
100	P12 BPSK	1	271	17.78	18.11	17.75			
100	P12 BPSK	136	0	17.88	18.03	17.74	18.5	0.0	
100	P12 BPSK	136	68	17.94	18.02	17.86	18.0	0.0	
100	P12 BPSK	136	136	18.00	18.00	17.85			
100	P12 BPSK	270	0	18.00	18.00	17.85	18.5	0.0	
100	QPSK	1	1	18.00	18.10	17.85			
100	QPSK	1	137	17.85	18.13	17.83	18.5	0.0	
100	QPSK	1	271	17.84	18.00	17.88			
100	QPSK	136	0	17.86	18.02	17.80	18.5	0.0	
100	QPSK	136	68	17.92	18.10	17.75	18.5	0.0	
100	QPSK	136	136	17.89	18.14	17.80	18.5	0.0	
100	QPSK	270	0	18.00	18.00	17.80			
100	16QAM	1	1	17.98	18.07	17.70	18.5	0.0	
100	16QAM	1	1	17.85	18.00	17.80	18.5	0.0	
100	256QAM	1	1	17.97	18.03	17.79	18.5	0.0	
Channel				520000	518000	520000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.01	2092.50	2093.99			
30	QPSK	1	1	17.83	18.00	17.87	18.5	0.0	
Channel				520204	518000	520000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.03	2092.50	2093.99			
30	QPSK	1	1	17.99	17.88	17.84	18.0	0.0	
Channel				520202	518000	521000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.01	2092.50	2095			
70	QPSK	1	1	17.87	18.12	17.77	18.0	0.0	
Channel				520200	518000	521000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.00	2092.50	2093.99			
60	QPSK	1	1	17.92	18.11	17.76	18.5	0.0	
Channel				520201	518000	521000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.02	2092.50	2094.99			
50	QPSK	1	1	17.90	18.13	17.85	18.0	0.0	
Channel				520203	518000	520000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.03	2092.50	2095			
40	QPSK	1	1	17.89	18.00	17.80	18.0	0.0	
Channel				520200	518000	530000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093	2092.50	214.99			
30	QPSK	1	1	17.88	18.03	17.87	18.5	0.0	
Channel				520204	518000	530000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2093.02	2092.50	210.99			
20	QPSK	1	1	17.90	17.88	17.86	18.5	0.0	



Par270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	13.08	13.03	13.51			
100	PSS-BPSK	1	137	13.05	13.03	13.52	15.5	0.0	
100	PSS-BPSK	1	271	13.01	13.00	13.52			
100	PSS-BPSK	135	0	13.54	13.54	13.45	15.5	0.0	
100	PSS-BPSK	135	0	13.49	13.47	13.58	15.5	0.0	
100	PSS-BPSK	135	138	13.44	13.41	13.58	15.5	0.0	
100	PSS-BPSK	270	0	13.52	13.54	13.51			
100	QPSK	1	1	13.08	13.03	13.51			
100	QPSK	1	137	13.05	13.01	13.54	15.5	0.0	
100	QPSK	1	271	13.52	13.54	13.51			
100	QPSK	135	0	13.52	13.53	13.60	15.5	0.0	
100	QPSK	135	0	13.49	13.46	13.56	15.5	0.0	
100	QPSK	135	138	13.52	13.51	13.60	15.5	0.0	
100	QPSK	270	0	13.45	13.45	13.60	15.5	0.0	
100	SSB-QAM	1	1	13.51	13.52	13.58	15.5	0.0	
100	SSB-QAM	1	1	13.51	13.49	13.52	15.5	0.0	
100	SSB-QAM	1	1	13.51	13.51	13.58	15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.03	13.08	13.50	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.43	13.49	13.60	15.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.30	13.47	13.55	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.25	13.60	13.55	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.11	13.68	13.57	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.04	13.72	13.58	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.08	13.64	13.51	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.13	13.59	13.50	15.5	0.0	

Part27Q n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	13.57					
100	PSS-BPSK	1	137	13.51			15.5		0.0
100	PSS-BPSK	1	271	13.57					
100	PSS-BPSK	135	0	13.58			15.5		0.0
100	PSS-BPSK	135	0	13.59			15.5		0.0
100	PSS-BPSK	135	138	13.51			15.5		0.0
100	PSS-BPSK	270	0	13.51			15.5		0.0
100	QPSK	1	1	13.55					
100	QPSK	1	137	13.51			15.5		0.0
100	QPSK	1	271	13.55					
100	QPSK	135	0	13.57			15.5		0.0
100	QPSK	135	0	13.58			15.5		0.0
100	QPSK	135	138	13.58			15.5		0.0
100	QPSK	270	0	13.54			15.5		0.0
100	SSB-QAM	1	1	13.58			15.5		0.0
100	SSB-QAM	1	1	13.47			15.5		0.0
100	SSB-QAM	1	1	13.51			15.5		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.51	13.54	13.52	15.5		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.59	13.55	13.52	15.5		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.40	13.40	13.55	15.5		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.59	13.55	13.58	15.5		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.40	13.38	13.55	15.5		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.53	13.69	13.54	15.5		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.58	13.64	13.54	15.5		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.55	13.60	13.54	15.5		0.0

Part270 n78 PC2 Ant9											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PSS-BPSK	1	1	15.45			17.0	0.0			
100	PSS-BPSK	1	137	15.45							
100	PSS-BPSK	1	271	15.51			17.0	0.0			
100	PSS-BPSK	135	0	15.45			17.0	0.0			
100	PSS-BPSK	135	0	15.50			17.0	0.0			
100	PSS-BPSK	135	138	15.52			17.0	0.0			
100	PSS-BPSK	270	0	15.47			17.0	0.0			
100	QPSK	1	1	15.50			17.0	0.0			
100	QPSK	1	137	15.48							
100	QPSK	1	271	15.52			17.0	0.0			
100	QPSK	135	0	15.52			17.0	0.0			
100	QPSK	135	0	15.55			17.0	0.0			
100	QPSK	135	138	15.52			17.0	0.0			
100	QPSK	270	0	15.52			17.0	0.0			
100	SSB-QAM	1	1	15.47			17.0	0.0			
100	SSB-QAM	1	1	15.51			17.0	0.0			
100	SSB-QAM	1	1	15.44			17.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	15.43	15.45	15.41	17.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	15.33	15.44	15.38	17.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	15.37	15.50	15.33	17.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	15.31	15.50	15.33	17.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	15.41	15.38	15.37	17.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	15.30	15.34	15.40	17.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	15.35	15.46	15.38	17.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	15.29	15.46	15.41	17.0	0.0			
Channel											
Frequency (MHz)											

Par270 n77 PC3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turnup time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	14.23	14.33	13.97			
100	PSS-BPSK	1	137	14.22	14.34	14.06	15.5	0.0	
100	PSS-BPSK	1	271	14.20	14.36	14.17			
100	PSS-BPSK	135	0	14.28	14.30	14.13	15.5	0.0	
100	PSS-BPSK	135	0	14.27	14.30	14.20	15.5	0.0	
100	PSS-BPSK	135	138	14.30	14.40	13.96	15.5	0.0	
100	PSS-BPSK	270	0	14.21	14.24	14.11			
100	QPSK	1	1	14.23	14.35	14.17			
100	QPSK	1	137	14.26	14.25	14.16	15.5	0.0	
100	QPSK	1	271	14.26	14.30	14.15			
100	QPSK	135	0	14.28	14.30	14.13	15.5	0.0	
100	QPSK	135	0	14.29	14.30	14.16	15.5	0.0	
100	QPSK	135	138	14.25	14.24	14.06	15.5	0.0	
100	QPSK	270	0	14.19	14.30	13.97			
100	SSB-QAM	1	1	14.30	14.26	14.06	15.5	0.0	
100	SSB-QAM	1	1	14.25	14.33	14.00	15.5	0.0	
100	SSB-QAM	1	1	14.13	14.33	14.00	15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	14.20	14.40	13.95	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.34	14.36	14.06	15.5	0.0	
80	QPSK	1	1	14.12	14.20	13.97	15.5	0.0	
80	QPSK	1	1	14.34	14.26	14.04	15.5	0.0	
70	QPSK	1	1	14.12	14.20	13.97	15.5	0.0	
70	QPSK	1	1	14.35	14.20	13.95	15.5	0.0	
70	QPSK	1	1	14.35	14.26	14.03	15.5	0.0	
60	QPSK	1	1	14.22	14.26	14.00	15.5	0.0	
60	QPSK	1	1	14.22	14.26	14.00	15.5	0.0	
60	QPSK	1	1	14.22	14.26	14.00	15.5	0.0	
50	QPSK	1	1	14.24	14.32	14.00	15.5	0.0	
50	QPSK	1	1	14.24	14.32	14.00	15.5	0.0	
50	QPSK	1	1	14.24	14.32	14.00	15.5	0.0	
40	QPSK	1	1	14.29	14.23	14.00	15.5	0.0	
40	QPSK	1	1	14.29	14.23	14.00	15.5	0.0	
40	QPSK	1	1	14.29	14.23	14.00	15.5	0.0	
30	QPSK	1	1	14.12	14.22	14.00	15.5	0.0	
30	QPSK	1	1	14.12	14.22	14.00	15.5	0.0	
30	QPSK	1	1	14.12	14.22	14.00	15.5	0.0	
30	QPSK	1	1	14.30	14.26	13.96	15.5	0.0	
30	QPSK	1	1	14.30	14.26	13.96	15.5	0.0	
30	QPSK	1	1	14.30	14.26	13.96	15.5	0.0	

Part27Q n77 PC3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	14.25					
100	PSS-BPSK	1	137	14.31			15.5		0.0
100	PSS-BPSK	1	271	14.28					
100	PSS-BPSK	135	0	14.22			15.5		0.0
100	PSS-BPSK	135	0	14.20			15.5		0.0
100	PSS-BPSK	135	138	14.30			15.5		0.0
100	PSS-BPSK	270	0	14.24					0.0
100	QPSK	1	1	14.25					
100	QPSK	1	137	14.15			15.5		0.0
100	QPSK	1	271	14.30					
100	QPSK	135	0	14.30			15.5		0.0
100	QPSK	135	0	14.28			15.5		0.0
100	QPSK	135	138	14.16			15.5		0.0
100	QPSK	270	0	14.08			15.5		0.0
100	SSB-QAM	1	1	14.10			15.5		0.0
100	SSB-QAM	1	1	14.22			15.5		0.0
100	SSB-QAM	1	1	14.10			15.5		0.0
Channel				831000	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.08	14.20	13.90	15.5		0.0
90	QPSK	1	1	14.10	14.30	13.91	15.5		0.0
Channel				831668	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.04	14.20	13.90	15.5		0.0
80	QPSK	1	1	14.15	14.24	13.91	15.5		0.0
Channel				831820	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.04	14.20	13.90	15.5		0.0
70	QPSK	1	1	13.99	14.31	13.95	15.5		0.0
Channel				831972	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.04	14.20	13.90	15.5		0.0
60	QPSK	1	1	14.04	14.20	13.90	15.5		0.0
Channel				832124	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.04	14.20	13.90	15.5		0.0
50	QPSK	1	1	14.06	14.25	13.90	15.5		0.0
Channel				832276	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.06	14.26	13.90	15.5		0.0
40	QPSK	1	1	14.08	14.26	13.90	15.5		0.0
Channel				832428	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.08	14.28	13.90	15.5		0.0
30	QPSK	1	1	14.13	14.16	13.80	15.5		0.0
Channel				832580	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.13	14.16	13.80	15.5		0.0
20	QPSK	1	1	14.16	14.17	13.77	15.5		0.0
Channel				832732	831534	831534	Turn-up time (dBm)	MPR	
Frequency (MHz)				14.16	14.17	13.77	15.5		0.0

Part270 n78 PC2 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Max Ch.1 Freq.	Power High Ch.1 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PSS-BPSK	1	1	16.25			17.0	0.0	
100	PSS-BPSK	1	137	16.21					
100	PSS-BPSK	1	271	16.30			17.0	0.0	
100	PSS-BPSK	135	0	16.24			17.0	0.0	
100	PSS-BPSK	135	0	16.20			17.0	0.0	
100	PSS-BPSK	135	138	16.29			17.0	0.0	
100	PSS-BPSK	270	0	16.25			17.0	0.0	
100	QPSK	1	1	16.25			17.0	0.0	
100	QPSK	1	137	16.33			17.0	0.0	
100	QPSK	1	271	16.30			17.0	0.0	
100	QPSK	135	0	16.23			17.0	0.0	
100	QPSK	135	0	16.20			17.0	0.0	
100	QPSK	135	138	16.24			17.0	0.0	
100	QPSK	270	0	16.20			17.0	0.0	
100	SSB-QAM	1	1	16.20			17.0	0.0	
100	SSB-QAM	1	1	16.42			17.0	0.0	
100	SSB-QAM	1	1	16.20			17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	16.31	16.30	16.40	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.18	16.25	16.20	17.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	16.16	16.23	16.20	17.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.27	16.30	16.30	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.18	16.30	16.37	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.29	16.30	16.24	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.16	16.24	16.20	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.22	16.35	16.30	17.0	0.0	



Par270 n77 PC3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turnup time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	16.51	17.13	17.54			
100	PIQ-BPSK	1	137	17.02	17.04	17.05	18.5	0.0	
100	PIQ-BPSK	1	271	17.09	17.21	17.05			
100	PIQ-BPSK	135	0	17.08	16.99	17.03	18.5	0.0	
100	PIQ-BPSK	135	88	16.95	16.95	16.95	18.5	0.0	
100	PIQ-BPSK	135	138	16.99	17.12	17.05	18.5	0.0	
100	PIQ-BPSK	270	0	17.06	17.19	17.05			
100	QPSK	1	1	17.11	17.22	17.15			
100	QPSK	1	137	17.11	16.99	17.16	18.5	0.0	
100	QPSK	1	271	16.95	17.02	17.05			
100	QPSK	135	0	17.09	17.10	17.05	18.5	0.0	
100	QPSK	135	88	16.95	17.02	17.05	18.5	0.0	
100	QPSK	135	138	16.99	17.12	17.05	18.5	0.0	
100	QPSK	270	0	16.95	17.15	17.14			
100	16QAM	1	1	17.03	17.14	17.11	18.5	0.0	
100	16QAM	1	1	16.95	17.04	16.95	18.5	0.0	
100	256QAM	1	1	16.95	17.10	17.05	18.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	17.01	17.13	16.95	18.5	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.07	17.05	16.95	18.5	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	17.03	17.04	17.12	18.5	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	16.92	17.00	16.94	18.5	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	16.98	17.04	16.98	18.5	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	16.98	17.16	17.04	18.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.12	17.02	17.10	18.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.98	17.06	17.05	18.5	0.0	

Part27Q n77 PC3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	17.05					
100	PIQ-BPSK	1	137	16.94			18.5	0.0	
100	PIQ-BPSK	1	271	17.05					
100	PIQ-BPSK	135	0	16.92			18.5	0.0	
100	PIQ-BPSK	135	88	16.94			18.5	0.0	
100	PIQ-BPSK	135	138	16.94			18.5	0.0	
100	PIQ-BPSK	270	0	17.10					
100	QPSK	1	1	17.05					
100	QPSK	1	137	17.05			18.5	0.0	
100	QPSK	1	271	17.00					
100	QPSK	135	0	16.95			18.5	0.0	
100	QPSK	135	88	16.95			18.5	0.0	
100	QPSK	135	138	16.94			18.5	0.0	
100	QPSK	270	0	17.12					
100	16QAM	1	1	17.13			18.5	0.0	
100	64QAM	1	1	16.92			18.5	0.0	
100	256QAM	1	1	16.91			18.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	17.04	16.96	17.04	18.5	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	17.00	17.08	17.10	18.5	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	16.92	16.92	16.94	18.5	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	16.95	16.95	16.95	18.5	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	17.01	17.05	17.09	18.5	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	16.99	17.16	17.16	18.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	17.05	16.95	17.05	18.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.98	17.05	16.99	18.5	0.0	

Part27O n78 PC2 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	16.82	17.00		18.0	0.0	
100	PIQ-BPSK	1	137	16.49					
100	PIQ-BPSK	1	271	16.54			18.0	0.0	
100	PIQ-BPSK	135	0	16.51			18.0	0.0	
100	PIQ-BPSK	135	88	16.54			18.0	0.0	
100	PIQ-BPSK	135	138	16.50			18.0	0.0	
100	PIQ-BPSK	270	0	16.50			18.0	0.0	
100	QPSK	1	1	16.72			18.0	0.0	
100	QPSK	1	137	16.58					
100	QPSK	1	271	16.67			18.0	0.0	
100	QPSK	135	0	16.60			18.0	0.0	
100	QPSK	135	88	16.60			18.0	0.0	
100	QPSK	135	138	16.65			18.0	0.0	
100	QPSK	270	0	16.60			18.0	0.0	
100	16QAM	1	1	16.62			18.0	0.0	
100	256QAM	1	1	16.62			18.0	0.0	
100	256QAM	1	1	16.60			18.0	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	16.53	16.50	16.50	18.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	16.52	16.58	16.54	18.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	16.49	16.50	16.43	18.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	16.52	16.50	16.50	18.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	16.38	16.37	16.34	18.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	16.45	16.38	16.45	18.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.40	16.35	16.40	18.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.40	16.37	16.34	18.0	0.0	

Part27Q 78 PC2 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
100	PIQ-BPSK	1	1	16.49			18.0	0.0	
100	PIQ-BPSK	1	137	16.27					
100	PIQ-BPSK	1	271	16.49			18.0	0.0	
100	PIQ-BPSK	135	0	16.51			18.0	0.0	
1	PIQ-BPSK	135	136	16.50					
100	PIQ-BPSK	271	0	16.53			18.0	0.0	
100	PIQ-BPSK	271	136	16.51			18.0	0.0	
100	PIQ-BPSK	1	137	16.48					
100	PIQ-BPSK	1	271	16.51					
100	PIQ-BPSK	135	0	16.43			18.0	0.0	
100	PIQ-BPSK	135	136	16.46			18.0	0.0	
100	PIQ-BPSK	1	271	16.44			18.0	0.0	
100	PIQ-BPSK	1	137	16.53			18.0	0.0	
100	PIQ-BPSK	1	137	16.54			18.0	0.0	
100	PIQ-BPSK	1	137	16.54			18.0	0.0	
Channel				933000	933354	933698	Turn-up time	MPE	
100	PIQ-BPSK	1	137	16.48			18.0	0.0	
100	PIQ-BPSK	1	271	16.51			18.0	0.0	
100	PIQ-BPSK	1	137	933000	933354	933698	Turn-up time	MPE	
100	PIQ-BPSK	1	271	933402	933756	934100	Turn-up time	MPE	
100	PIQ-BPSK	1	137	16.48			18.0	0.0	
100	PIQ-BPSK	1	271	16.51			18.0	0.0	
100	PIQ-BPSK	1	137	933451	933805	934159	Turn-up time	MPE	
100	PIQ-BPSK	1	271	16.47			18.0	0.0	
100	PIQ-BPSK	1	137	16.48			18.0	0.0	
100	PIQ-BPSK	1	271	16.51			18.0	0.0	
Channel				931668	933036	934404	Turn-up time	MPE	
100	PIQ-BPSK	1	137	16.47			18.0	0.0	
100	PIQ-BPSK	1	271	16.51			18.0	0.0	
100	PIQ-BPSK	1	137	16.38			18.0	0.0	
100	PIQ-BPSK	1	271	16.54			18.0	0.0	
40	PIQ-BPSK	1	1	16.44			18.0	0.0	
40	PIQ-BPSK	1	137	16.23			18.0	0.0	
40	PIQ-BPSK	1	271	16.44			18.0	0.0	
40	PIQ-BPSK	135	0	16.51			18.0	0.0	
40	PIQ-BPSK	135	136	16.46			18.0	0.0	
40	PIQ-BPSK	271	0	16.53			18.0	0.0	
40	PIQ-BPSK	271	136	16.51			18.0	0.0	
40	PIQ-BPSK	1	137	16.48			18.0	0.0	
40	PIQ-BPSK	1	271	16.51			18.0	0.0	
40	PIQ-BPSK	135	0	16.43			18.0	0.0	
40	PIQ-BPSK	135	136	16.46			18.0	0.0	
40	PIQ-BPSK	1	271	16.44			18.0	0.0	
40	PIQ-BPSK	1	137	16.53			18.0	0.0	
40	PIQ-BPSK	1	137	16.54			18.0	0.0	
40	PIQ-BPSK	1	137	16.54			18.0	0.0	
Channel				933668	933914	934160	Turn-up time	MPE	
40	PIQ-BPSK	1	137	16.47			18.0	0.0	
40	PIQ-BPSK	1	271	16.51			18.0	0.0	



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n7 Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power		Turn-up limit (dBm)	MPR (dB)		
				Ch. F (MHz)	Ch. F (MHz)	Ch. F (MHz)	Ch. F (MHz)				
Channel											
Frequency (MHz)											
40	PUSC BPSK	1	1	15.13	15.42	15.37	15.37	17.0	0.0		
	PUSC BPSK	1	108	15.44	15.70	15.37	15.37				
	PUSC BPSK	1	214	15.75	15.42	15.37	15.37				
40	PUSC BPSK	108	5	15.85	15.68	15.68	15.68	17.0	0.0		
	PUSC BPSK	108	54	15.69	15.52	15.60	15.60				
	PUSC BPSK	108	108	15.51	15.71	15.68	15.68				
40	PUSC BPSK	216	5	15.81	15.69	15.52	15.52	17.0	0.0		
	QPSK	1	1	15.78	15.60	15.60	15.60				
	QPSK	1	108	15.58	15.55	15.58	15.58				
40	QPSK	1	214	15.58	15.68	15.67	15.67	17.0	0.0		
	QPSK	108	5	15.76	15.73	15.50	15.50				
	QPSK	108	54	15.51	15.84	15.63	15.63				
40	QPSK	108	108	15.71	15.72	15.54	15.54	16.0	1.0		
	QPSK	216	5	15.64	15.80	15.46	15.46				
	16QAM	1	1	15.47	15.60	15.46	15.46				
40	16QAM	1	1	15.56	15.47	15.75	15.75	17.0	0.0		
	16QAM	1	1	15.57	15.60	15.53	15.53				
	16QAM	1	1	15.57	15.60	15.53	15.53				
Channel											
Frequency (MHz)											
30	QPSK	1	1	15.77	15.73	15.65	15.65	17.0	0.0		
	QPSK	1	108	15.50	15.70	15.50	15.50				
	QPSK	1	214	15.79	15.65	15.80	15.80				
Channel											
Frequency (MHz)											
20	PUSC BPSK	1	1	15.69	15.73	15.44	15.44	17.0	0.0		
	QPSK	1	1	15.70	15.70	15.73	15.73				
	QPSK	1	1	15.71	15.71	15.73	15.73				
Channel											
Frequency (MHz)											
15	QPSK	1	1	15.79	15.73	15.72	15.72	17.0	0.0		
	QPSK	1	1	15.79	15.73	15.72	15.72				
	QPSK	1	1	15.79	15.73	15.72	15.72				
Channel											
Frequency (MHz)											
5	QPSK	1	1	15.72	15.73	15.68	15.68	17.0	0.0		
	QPSK	1	1	15.72	15.73	15.68	15.68				
	QPSK	1	1	15.72	15.73	15.68	15.68				

n66 Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (Hz)	Power High Ch. F (Hz)	Power Low Ch. F (Hz)	Power High Ch. F (Hz)	Turn-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)											
40	PUSC BPSK	1	1	17.34	17.53	17.52	17.52	18.0	0.0		
	PUSC BPSK	1	108	17.45	17.70	17.34	17.34				
	PUSC BPSK	1	214	17.25	17.52	17.41	17.41				
40	PUSC BPSK	108	5	17.52	17.63	17.48	17.48	18.0	0.0		
	PUSC BPSK	108	54	17.45	17.61	17.34	17.34				
	PUSC BPSK	108	108	17.28	17.64	17.30	17.30				
40	PUSC BPSK	216	5	17.35	17.50	17.51	17.51	18.0	0.0		
	QPSK	1	1	17.47	17.50	17.50	17.50				
	QPSK	1	108	17.32	17.72	17.22	17.22				
40	QPSK	1	214	17.28	17.53	17.23	17.23	18.0	0.0		
	QPSK	108	5	17.41	17.63	17.47	17.47				
	QPSK	108	54	17.37	17.60	17.37	17.37				
40	QPSK	108	108	17.45	17.56	17.53	17.53	18.0	0.0		
	QPSK	216	5	17.37	17.50	17.45	17.45				
	16QAM	1	1	17.53	17.78	17.41	17.41				
40	16QAM	1	1	17.52	17.50	17.51	17.51	18.0	0.0		
	16QAM	1	1	17.43	17.65	17.52	17.52				
	16QAM	1	1	17.43	17.65	17.52	17.52				
Channel											
Frequency (MHz)											
30	QPSK	1	1	17.59	17.77	17.65	17.65	18.0	0.0		
	QPSK	1	108	17.50	17.45	17.50	17.50				
	QPSK	1	214	17.44	17.61	17.45	17.45				
Channel											
Frequency (MHz)											
20	QPSK	1	1	17.44	17.61	17.45	17.45	18.0	0.0		
	QPSK	1	1	17.44	17.61	17.45	17.45				
	QPSK	1	1	17.44	17.61	17.45	17.45				
Channel											
Frequency (MHz)											
15	QPSK	1	1	17.59	17.61	17.48	17.48	18.0	0.0		
	QPSK	1	1	17.59	17.61	17.48	17.48				
	QPSK	1	1	17.59	17.61	17.48	17.48				
Channel											
Frequency (MHz)											
10	QPSK	1	1	17.46	17.63	17.43	17.43	18.0	0.0		
	QPSK	1	1	17.46	17.63	17.43	17.43				
	QPSK	1	1	17.46	17.63	17.43	17.43				
Channel											
Frequency (MHz)											
5	QPSK	1	1	17.53	17.72	17.41	17.41	18.0	0.0		
	QPSK	1	1	17.53	17.72	17.41	17.41				
	QPSK	1	1	17.53	17.72	17.41	17.41				

n38 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms) (dBm)	MPE (dB)	
Channel				516004	516006	516008			
Frequency (MHz)				2090.02	2090	2090.98			
40	P12 BPSK	1	1	13.75	14.02	13.50			
40	P12 BPSK	1	53	13.68	13.97	13.88	15.5	0.0	
40	P12 BPSK	1	104	13.63	13.88	13.91			
40	P12 BPSK	50	0	13.71	13.85	13.95	15.5	0.0	
40	P12 BPSK	50	28	13.73	14.03	13.82	15.0	0.0	
40	P12 BPSK	50	56	13.67	13.87	13.86			
40	P12 BPSK	100	0	13.74	14.01	13.96	15.5	0.0	
40	QPSK	1	1	13.80	14.10	13.88			
40	QPSK	1	53	13.68	13.95	14.03	15.5	0.0	
40	QPSK	1	104	13.70	13.89	13.78			
40	QPSK	50	0	13.79	13.92	13.87	15.5	0.0	
40	QPSK	50	28	13.83	13.89	13.82	15.5	0.0	
40	QPSK	50	56	13.75	13.82	13.84	15.5	0.0	
40	QPSK	100	0	13.66	13.97	13.76			
40	16QAM	1	1	13.69	13.75	13.77	15.5	0.0	
40	16QAM	1	1	13.60	13.82	13.85	15.5	0.0	
40	256QAM	1	1	13.14	13.85	13.84	15.5	0.0	
Channel				517000	516998	516998	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2100.01	2100	2100.01			
30	QPSK	1	1	13.59	13.85	13.82	15.5	0.0	
Channel				518000	518000	520000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2090	2090	2100			
30	QPSK	1	1	13.63	13.60	13.62	15.5	0.0	

n41 PC3 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms) (dBm)	MPE (dB)	
Channel				506005	516008	506005			
Frequency (MHz)				2046.01	2092.50	2046			
100	P12 BPSK	1	1	14.09	13.80	14.01			
100	P12 BPSK	1	137	13.93	14.03	13.82	15.5	0.0	
100	P12 BPSK	1	271	13.88	14.10	13.93			
100	P12 BPSK	136	0	13.99	14.02	14.04	15.5	0.0	
100	P12 BPSK	136	68	13.99	13.99	13.72	15.0	0.0	
100	P12 BPSK	136	136	14.06	13.95	13.86			
100	P12 BPSK	270	0	14.10	13.85	14.11	15.5	0.0	
100	QPSK	1	1	14.04	14.10	14.00			
100	QPSK	1	137	13.96	14.10	14.07	15.5	0.0	
100	QPSK	1	271	13.95	14.10	13.94			
100	QPSK	136	0	14.10	14.11	14.01	15.5	0.0	
100	QPSK	136	68	13.97	14.02	13.98	15.5	0.0	
100	QPSK	136	136	14.07	13.94	13.94	15.5	0.0	
100	QPSK	270	0	14.11	13.96	14.11			
100	16QAM	1	1	13.86	13.92	13.82	15.5	0.0	
100	16QAM	1	1	14.07	14.01	13.88	15.5	0.0	
100	256QAM	1	1	14.01	14.01	14.04	15.5	0.0	
Channel				506000	516008	520000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2046.01	2092.50	2100.00			
90	QPSK	1	1	13.97	13.90	13.79	15.5	0.0	
Channel				507004	516008	520000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2046.02	2092.50	2100.00			
80	QPSK	1	1	13.97	14.01	13.83	15.0	0.0	
Channel				508002	516008	521000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2051.01	2092.50	2100			
70	QPSK	1	1	13.88	13.90	14.01	15.0	0.0	
Channel				509000	516008	521000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2056	2092.50	2100.00			
60	QPSK	1	1	13.96	13.81	13.90	15.5	0.0	
Channel				510005	516008	521000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2061.02	2092.50	2104.99			
50	QPSK	1	1	14.03	13.95	13.87	15.5	0.0	
Channel				509005	516008	521000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2056.01	2092.50	2100			
40	QPSK	1	1	14.05	13.82	13.87	15.0	0.0	
Channel				502000	516008	530000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2111	2100.00	214.99			
30	QPSK	1	1	13.13	13.98	14.01	15.5	0.0	
Channel				501004	516008	530000	Time-up (ms) (dBm)	MPE	
Frequency (MHz)				2104.02	2100.00	214.99			
20	QPSK	1	1	13.52	13.88	13.83	15.5	0.0	

n7 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel									
Frequency (MHz)				2430	2430	2430			
40	P12 BPSK	1	1	14.79	14.80	14.80	15.5	0.0	
40	P12 BPSK	1	108	14.71	14.87	14.78			
40	P12 BPSK	1	214	14.74	14.93	14.77			
40	P12 BPSK	108	0	14.73	14.73	14.72	15.5	0.0	
40	P12 BPSK	108	64	14.67	14.70	14.80	15.0	0.0	
40	P12 BPSK	108	108	14.70	14.90	14.80	15.5	0.0	
40	P12 BPSK	216	0	14.69	14.62	14.80			
40	QPSK	1	1	14.70	14.80	14.80			
40	QPSK	1	108	14.66	14.83	14.80	15.5	0.0	
40	QPSK	1	214	14.83	14.77	14.81			
40	QPSK	108	0	14.80	14.80	14.70	14.5	0.0	
40	QPSK	108	64	14.62	14.67	14.83	15.5	0.0	
40	QPSK	108	108	14.49	14.70	14.80	14.5	1.0	
40	QPSK	216	0	14.56	14.60	14.81	15.5	0.0	
40	16QAM	1	1	14.52	14.57	14.87			
40	64QAM	1	1	14.72	14.80	14.80	15.5	0.0	
40	256QAM	1	1	14.81	14.83	14.83	15.5	0.0	
Channel									
Frequency (MHz)				50500	50700	51100	Time-up (ms)	MTR (dB)	
30	QPSK	1	1	14.53	14.87	14.91	15.5	0.0	
Channel									
Frequency (MHz)				50550	50700	51100	Time-up (ms)	MTR (dB)	
30	QPSK	1	1	14.72	14.80	14.74	15.5	0.0	
Channel									
Frequency (MHz)				50500	50700	51000	Time-up (ms)	MTR (dB)	
20	P12 BPSK	1	1	14.81	14.81	14.77	15.0	0.0	
Channel									
Frequency (MHz)				50500	50700	51000	Time-up (ms)	MTR (dB)	
15	QPSK	1	1	14.83	14.80	14.75	15.5	0.0	
Channel									
Frequency (MHz)				50500	50700	51000	Time-up (ms)	MTR (dB)	
10	QPSK	1	1	14.70	14.81	14.84	15.5	0.0	
Channel									
Frequency (MHz)				50500	50700	51000	Time-up (ms)	MTR (dB)	
5	QPSK	1	1	14.67	14.82	14.73	15.5	0.0	

n66 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel									
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	14.91	14.90	14.83	16.0	0.0	
40	P12 BPSK	1	108	14.89	14.90	14.81			
40	P12 BPSK	1	214	14.72	14.80	14.74			
40	P12 BPSK	108	0	14.83	14.83	14.80	16.0	0.0	
40	P12 BPSK	108	64	14.73	14.70	14.80	16.0	0.0	
40	P12 BPSK	108	108	14.79	14.70	14.80	16.0	0.0	
40	P12 BPSK	216	0	14.79	14.70	14.80			
40	QPSK	1	1	14.80	14.84	14.82			
40	QPSK	1	108	14.82	14.70	14.80	16.0	0.0	
40	QPSK	1	214	14.75	14.84	14.80			
40	QPSK	108	0	14.87	14.84	14.72	16.0	0.0	
40	QPSK	108	64	14.81	14.80	14.71	16.0	0.0	
40	QPSK	108	108	14.81	14.83	14.75	16.0	0.0	
40	QPSK	216	0	14.86	14.80	14.70	16.0	0.0	
40	16QAM	1	1	14.80	14.80	14.80			
40	64QAM	1	1	14.82	14.76	14.80	16.0	0.0	
Channel									
Frequency (MHz)				34500	34900	35300	Time-up (ms)	MTR (dB)	
30	QPSK	1	1	14.85	14.85	14.80	16.0	0.0	
Channel									
Frequency (MHz)				34400	34900	35300	Time-up (ms)	MTR (dB)	
30	QPSK	1	1	14.85	14.87	14.87	16.0	0.0	
Channel									
Frequency (MHz)				34500	34900	35400	Time-up (ms)	MTR (dB)	
15	QPSK	1	1	14.89	14.73	14.70	16.0	0.0	
Channel									
Frequency (MHz)				34500	34900	35400	Time-up (ms)	MTR (dB)	
10	QPSK	1	1	14.75	14.82	14.84	16.0	0.0	
Channel									
Frequency (MHz)				34500	34900	35400	Time-up (ms)	MTR (dB)	
5	QPSK	1	1	14.81	14.80	14.80	16.0	0.0	

n38 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (mHz)	MPE (dB)	
Channel				518004	518006	518008			
Frequency (MHz)				2190.02	2190	2190.98			
40	P12 BPSK	1	1	14.59	14.62	14.59			
40	P12 BPSK	1	53	14.58	14.81	14.84	15.5	0.0	
40	P12 BPSK	1	104	14.76	14.73	14.71			
40	P12 BPSK	50	0	14.91	15.05	14.83	15.5	0.0	
40	P12 BPSK	50	28	14.90	15.02	14.82	15.0	0.0	
40	P12 BPSK	50	56	15.03	15.12	14.85			
40	P12 BPSK	100	0	14.88	15.07	15.08	15.5	0.0	
40	QPSK	1	1	14.83	15.10	14.89			
40	QPSK	1	53	14.96	15.01	14.77	15.5	0.0	
40	QPSK	1	104	15.01	15.01	14.82			
40	QPSK	50	0	14.88	15.00	14.78	15.5	0.0	
40	QPSK	50	28	14.71	14.97	14.82	15.5	0.0	
40	QPSK	50	56	14.73	14.60	14.83	15.5	0.0	
40	QPSK	100	0	14.86	15.05	14.40			
40	16QAM	1	1	14.85	15.05	15.08	15.5	0.0	
40	16QAM	1	1	14.89	14.80	14.85	15.5	0.0	
40	256QAM	1	1	14.77	14.82	14.80	15.5	0.0	
Channel				517950	518000	520500	Tune-up (mHz)	MPE	
Frequency (MHz)				2193.00	518000	5205.00	(dB)	(dB)	
30	QPSK	1	1	14.51	14.81	14.84	15.5	0.0	
Channel				518000	518000	520500	Tune-up (mHz)	MPE	
Frequency (MHz)				2193	518000	5205	(dB)	(dB)	
30	QPSK	1	1	14.58	14.81	14.78	15.5	0.0	

n41 PC3 Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (mHz)	MPE (dB)	
Channel				504005	518008	520500			
Frequency (MHz)				2148.01	2192.90	2195			
100	P12 BPSK	1	1	14.78	15.02	14.90			
100	P12 BPSK	1	137	14.99	15.03	15.77	15.5	0.0	
100	P12 BPSK	1	271	14.85	15.17	14.73			
100	P12 BPSK	130	0	14.88	15.03	15.80	15.5	0.0	
100	P12 BPSK	130	66	15.02	14.60	14.84	15.0	0.0	
100	P12 BPSK	130	130	14.94	14.90	14.81			
100	P12 BPSK	270	0	15.08	14.87	14.98	15.5	0.0	
100	QPSK	1	1	15.07	15.23	14.88			
100	QPSK	1	137	14.95	15.13	14.90	15.5	0.0	
100	QPSK	1	271	15.05	15.04	14.82			
100	QPSK	130	0	14.89	15.12	14.75	15.5	0.0	
100	QPSK	130	66	14.84	15.00	14.72	15.5	0.0	
100	QPSK	130	130	14.81	15.05	14.90	15.5	0.0	
100	QPSK	270	0	15.05	14.97	14.87			
100	16QAM	1	1	15.06	15.15	15.08	15.5	0.0	
100	16QAM	1	1	14.87	14.88	14.78	15.5	0.0	
100	256QAM	1	1	15.08	15.15	14.80	15.5	0.0	
Channel				520500	518008	520500	Tune-up (mHz)	MPE	
Frequency (MHz)				2148	518008	5205.00	(dB)	(dB)	
30	QPSK	1	1	14.58	15.11	14.89	15.5	0.0	
Channel				520504	518008	520500	Tune-up (mHz)	MPE	
Frequency (MHz)				2154.03	518008	5205.00	(dB)	(dB)	
30	QPSK	1	1	14.94	15.03	14.78	15.5	0.0	
Channel				520502	518008	521000	Tune-up (mHz)	MPE	
Frequency (MHz)				2153.01	518008	5210	(dB)	(dB)	
70	QPSK	1	1	15.00	15.05	14.90	15.0	0.0	
Channel				520500	518008	521000	Tune-up (mHz)	MPE	
Frequency (MHz)				2153.00	518008	5210.00	(dB)	(dB)	
60	QPSK	1	1	14.90	15.00	14.91	15.5	0.0	
Channel				520505	518008	521000	Tune-up (mHz)	MPE	
Frequency (MHz)				2153.02	518008	5210.00	(dB)	(dB)	
50	QPSK	1	1	14.98	15.07	14.81	15.5	0.0	
Channel				520505	518008	521000	Tune-up (mHz)	MPE	
Frequency (MHz)				2153.01	518008	5210	(dB)	(dB)	
40	QPSK	1	1	14.79	15.22	14.94	15.5	0.0	
Channel				522000	518008	530500	Tune-up (mHz)	MPE	
Frequency (MHz)				2171	518008	5305.00	(dB)	(dB)	
30	QPSK	1	1	15.10	15.13	14.94	15.5	0.0	
Channel				521204	518008	530500	Tune-up (mHz)	MPE	
Frequency (MHz)				2168.02	518008	5305.00	(dB)	(dB)	
20	QPSK	1	1	15.18	15.24	14.79	15.5	0.0	

Par27O n77 PC3 Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (mHz)	MTR (dB)	
Channel									
Frequency (MHz)				1930	1940	1950			
100	P12 BPSK	1	1	11.70	11.70	11.87			
100	P12 BPSK	1	137	11.83	11.54	11.82	13.5	0.0	
100	P12 BPSK	1	271	11.64	11.55	11.56			
100	P12 BPSK	136	0	11.82	11.70	11.82	13.5	0.0	
100	P12 BPSK	136	66	11.57	11.74	11.84	13.5	0.0	
100	P12 BPSK	136	126	11.55	11.71	11.84			
100	P12 BPSK	270	0	11.51	11.65	11.58	13.5	0.0	
100	QPSK	1	1	11.70	11.72	11.85			
100	QPSK	1	137	11.54	11.60	11.51	13.5	0.0	
100	QPSK	1	271	11.58	11.70	11.67			
100	QPSK	136	0	11.82	11.65	11.66	13.5	0.0	
100	QPSK	136	66	11.71	11.70	11.70	13.5	0.0	
100	QPSK	136	136	11.60	11.59	11.73	13.5	0.0	
100	QPSK	270	0	11.56	11.70	11.72			
100	16QAM	1	1	11.60	11.55	11.57	13.5	0.0	
100	16QAM	1	1	11.52	11.70	11.52	13.5	0.0	
100	256QAM	1	1	11.82	11.68	11.58	13.5	0.0	
Channel									
Frequency (MHz)				64068	65000	66234	Tune-up (mHz)	MTR	
Frequency (MHz)				2424.02	2424	2424.01	(dB)	MTR	
90	QPSK	1	1	11.54	11.70	11.75	13.5	0.0	
Channel									
Frequency (MHz)				64034	65000	66268	Tune-up (mHz)	MTR	
Frequency (MHz)				3749.01	3640	3649.00	(dB)		
80	QPSK	1	1	11.73	11.67	11.56	13.5	0.0	
Channel									
Frequency (MHz)				64000	65000	66300	Tune-up (mHz)	MTR	
Frequency (MHz)				3750	3640	3640	(dB)		
70	QPSK	1	1	11.72	11.67	11.61	13.5	0.0	
Channel									
Frequency (MHz)				64068	65000	66234	Tune-up (mHz)	MTR	
Frequency (MHz)				3750.02	3640	3650.01	(dB)		
60	QPSK	1	1	11.65	11.66	11.57	13.5	0.0	
Channel									
Frequency (MHz)				3720.01	3640	3650.02	Tune-up (mHz)	MTR	
Frequency (MHz)				11.87	11.71	11.61	(dB)		
50	QPSK	1	1	11.67	11.71	11.61	13.5	0.0	
Channel									
Frequency (MHz)				64000	65000	66300	Tune-up (mHz)	MTR	
Frequency (MHz)				3720	3640	3650	(dB)		
40	QPSK	1	1	11.61	11.70	11.61	13.5	0.0	
Channel									
Frequency (MHz)				64366	65000	66334	Tune-up (mHz)	MTR	
Frequency (MHz)				3712.02	3674	3715.01	(dB)		
30	QPSK	1	1	11.57	11.74	11.70	13.5	0.0	
Channel									
Frequency (MHz)				64334	65000	66668	Tune-up (mHz)	MTR	
Frequency (MHz)				3710.01	3624	3610.00	(dB)		
20	QPSK	1	1	11.41	11.57	11.65	13.5	0.0	

Part27Q n77 PC3 Ant 9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (mHz)	MTR (dB)	
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up (mHz)	MTR	
Frequency (MHz)				2424	2424.01	2424.02	(dB)		
100	P12 BPSK	1	1	11.72	11.56	11.81	13.5	0.0	
100	P12 BPSK	1	137						
100	P12 BPSK	1	271				13.5	0.0	
100	P12 BPSK	136	0				11.51		
100	P12 BPSK	136	66				11.58	13.5	
100	P12 BPSK	136	126				11.57	0.0	
100	P12 BPSK	270	0				11.65	13.5	
100	QPSK	1	1				11.73	13.5	
100	QPSK	1	137				11.61		
100	QPSK	1	271				11.68	13.5	
100	QPSK	136	0				11.57	13.5	
100	QPSK	136	66				11.70	13.5	
100	QPSK	136	136				11.59	13.5	
100	QPSK	270	0				11.60		
100	16QAM	1	1				11.53	13.5	
100	16QAM	1	1				11.66	13.5	
100	64QAM	1	1				11.60	13.5	
100	256QAM	1	1				11.58	13.5	
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up (mHz)	MTR	
Frequency (MHz)				2424	2424.01	2424.02	(dB)		
90	QPSK	1	1	11.72	11.56	11.81	13.5	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up (mHz)	MTR	
Frequency (MHz)				3449.02	3400.01	3410	(dB)		
80	QPSK	1	1	11.53	11.67	11.64	13.5	0.0	
Channel									
Frequency (MHz)				63034	63334	63434	Tune-up (mHz)	MTR	
Frequency (MHz)				3449.01	3500.01	3510.01	(dB)		
70	QPSK	1	1	11.67	11.72	11.68	13.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up (mHz)	MTR	
Frequency (MHz)				3450	3500.01	3500.02	(dB)		
60	QPSK	1	1	11.89	11.70	11.53	13.5	0.0	
Channel									
Frequency (MHz)				3470.01	3470.01	3470.01	Tune-up (mHz)	MTR	
Frequency (MHz)				3470.02	3500.01	3500	(dB)		
50	QPSK	1	1	11.52	11.62	11.66	13.5	0.0	
Channel									
Frequency (MHz)				63034	63334	63434	Tune-up (mHz)	MTR	
Frequency (MHz)				3450.01	3500.01	3500.01	(dB)		
40	QPSK	1	1	11.69	11.60	11.50	13.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Tune-up (mHz)	MTR	
Frequency (MHz)				3450	3500.01	3510.02	(dB)		
30	QPSK	1	1	11.66	11.64	11.52	13.5	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Tune-up (mHz)	MTR	
Frequency (MHz)				3449.02	3500.01	3510	(dB)		
20	QPSK	1	1	11.72	11.63	11.59	13.5	0.0	

Part27O n78 PC2 Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]				84000	85000	86000	3760		
100	PSS-BPSK	1	1	12.47			14.0	0.0	
100	PSS-BPSK	1	137	12.57					
100	PSS-BPSK	1	271	12.57			14.0	0.0	
100	PSS-BPSK	135	5	12.47					
100	PSS-BPSK	135	86	12.49			14.0	0.0	
100	PSS-BPSK	135	135	12.38			14.0	0.0	
100	PSS-BPSK	270	5	12.44			14.0	0.0	
100	QPSK	1	1	12.54			14.0	0.0	
100	QPSK	1	137	12.57					
100	QPSK	1	271	12.57			14.0	0.0	
100	QPSK	135	5	12.47					
100	QPSK	135	86	12.49			14.0	0.0	
100	QPSK	135	135	12.38			14.0	0.0	
100	QPSK	270	5	12.57			14.0	0.0	
100	16QAM	1	1	12.50			14.0	0.0	
100	256QAM	1	1	12.58			14.0	0.0	
Channel				84860	85000	85020	Tune-up Int.	MPR	
Frequency [MHz]				84830	84830	84830	100		
50	QPSK	1	1	12.54	12.54	12.44	17.0	0.0	
Channel				84934	85000	85068	Tune-up Int.	MPR	
Frequency [MHz]				84904	84904	84904	100		
80	QPSK	1	1	12.49	12.54	12.83	17.0	0.0	
Channel				84900	85000	85100	Tune-up Int.	MPR	
Frequency [MHz]				84900	84900	84900	100		
70	QPSK	1	1	12.43	12.48	12.57	17.0	0.0	
Channel				84860	84900	84920	Tune-up Int.	MPR	
Frequency [MHz]				84860	84860	84860	100		
60	QPSK	1	1	12.63	12.45	12.86	17.0	0.0	
Channel				84934	85000	85034	Tune-up Int.	MPR	
Frequency [MHz]				84934	84934	84934	100		
50	QPSK	1	1	12.57	12.63	12.56	17.0	0.0	
Channel				84900	85000	85000	Tune-up Int.	MPR	
Frequency [MHz]				84900	84900	84900	100		
40	QPSK	1	1	12.50	12.29	12.50	17.0	0.0	
Channel				84768	84800	84824	Tune-up Int.	MPR	
Frequency [MHz]				84768	84768	84768	100		
30	QPSK	1	1	12.61	12.53	12.50	17.0	0.0	
Channel				84734	84800	84868	Tune-up Int.	MPR	
Frequency [MHz]				84734	84734	84734	100		
20	QPSK	1	1	12.45	12.42	12.40	17.0	0.0	

Part27Q 78 PC2 Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				83334			3660.91		
100	PSS-BPSK	1	1	12.48			14.0	0.0	
100	PSS-BPSK	1	137	12.51					
100	PSS-BPSK	1	271	12.25			17.0	0.0	
100	PSS-BPSK	135	5	12.47					
100	PSS-BPSK	135	86	12.58			14.0	0.0	
100	PSS-BPSK	135	135	12.34			14.0	0.0	
100	PSS-BPSK	270	5	12.29			14.0	0.0	
100	QPSK	1	1	12.63			14.0	0.0	
100	QPSK	1	137	12.54					
100	QPSK	1	271	12.21			17.0	0.0	
100	QPSK	135	5	12.54			14.0	0.0	
100	QPSK	135	86	12.55			14.0	0.0	
100	QPSK	135	135	12.27			17.0	0.0	
100	QPSK	270	5	12.27			14.0	0.0	
100	16QAM	1	1	12.56			14.0	0.0	
100	256QAM	1	1	12.57			14.0	0.0	
Channel				83300	83334	83368	Tune-up Int.	MPR	
Frequency (MHz)				83300	83300	83300	100		
50	QPSK	1	1	12.55	12.54	12.26	17.0	0.0	
Channel				83368	83334	83400	Tune-up Int.	MPR	
Frequency (MHz)				83368	83368	83368	100		
80	QPSK	1	1	12.50	12.49	12.35	17.0	0.0	
Channel				83334	83334	83434	Tune-up Int.	MPR	
Frequency (MHz)				83334	83334	83334	100		
70	QPSK	1	1	12.42	12.54	12.49	17.0	0.0	
Channel				83300	83334	83400	Tune-up Int.	MPR	
Frequency (MHz)				83300	83300	83300	100		
60	QPSK	1	1	12.48	12.48	12.32	17.0	0.0	
Channel				83300	83334	83334	Tune-up Int.	MPR	
Frequency (MHz)				83300	83300	83300	100		
50	QPSK	1	1	12.41	12.48	12.44	17.0	0.0	
Channel				83334	83334	83334	Tune-up Int.	MPR	
Frequency (MHz)				83334	83334	83334	100		
40	QPSK	1	1	12.54	12.23	12.40	17.0	0.0	
Channel				83300	83334	83368	Tune-up Int.	MPR	
Frequency (MHz)				83300	83300	83300	100		
30	QPSK	1	1	12.60	12.43	12.50	17.0	0.0	
Channel				83368	83334	83400	Tune-up Int.	MPR	
Frequency (MHz)				83368	83368	83368	100		
20	QPSK	1	1	12.51	12.42	12.55	17.0	0.0	



Par270 n77 PC3 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	13.20	13.34	13.37	-	14.5	0.0
100	P12 BPSK	1	137	13.20	13.30	13.02	-	-	-
100	P12 BPSK	1	271	13.20	13.27	13.25	-	-	-
100	P12 BPSK	136	0	13.23	13.30	13.08	14.5	0.0	-
100	P12 BPSK	136	46	13.23	13.20	12.37	14.5	0.0	-
100	P12 BPSK	136	138	13.21	13.12	12.36	-	14.5	0.0
100	P12 BPSK	236	0	13.19	13.27	13.10	-	-	-
100	QPSK	1	1	13.23	13.30	13.18	-	-	-
100	QPSK	1	137	13.20	13.20	13.14	14.5	0.0	-
100	QPSK	1	271	13.13	13.30	13.18	-	-	-
100	QPSK	136	0	13.22	13.11	13.24	14.5	0.0	-
100	QPSK	136	46	13.28	13.37	12.85	14.5	0.0	-
100	QPSK	136	138	13.02	13.22	12.34	14.5	0.0	-
100	QPSK	236	0	13.16	13.20	13.00	-	-	-
100	REGAM	1	1	13.32	13.25	13.07	14.5	0.0	-
100	REGAM	1	1	13.30	13.26	13.10	14.5	0.0	-
100	REGAM	1	1	13.13	13.24	13.00	14.5	0.0	-
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.08	13.34	13.27	14.5	0.0	-
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.02	13.34	13.15	14.5	0.0	-
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.18	13.34	13.36	14.5	0.0	-
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.10	13.30	13.11	14.5	0.0	-
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.10	13.20	13.10	14.5	0.0	-
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.05	13.22	13.07	14.5	0.0	-
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.11	13.21	13.16	14.5	0.0	-
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.10	13.24	13.16	14.5	0.0	-

Part27Q n77 PC3 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	13.23	13.334	13.334	-	14.5	0.0
100	P12 BPSK	1	137	13.24	-	-	-	-	-
100	P12 BPSK	1	271	13.30	-	-	-	-	-
100	P12 BPSK	136	0	13.21	-	-	14.5	0.0	-
100	P12 BPSK	136	46	13.22	-	-	14.5	0.0	-
100	P12 BPSK	136	138	13.17	-	-	-	14.5	0.0
100	P12 BPSK	236	0	13.01	-	-	-	-	-
100	QPSK	1	1	13.37	-	-	-	-	-
100	QPSK	1	137	13.34	-	-	14.5	0.0	-
100	QPSK	1	271	13.27	-	-	-	-	-
100	QPSK	136	0	13.26	-	-	14.5	0.0	-
100	QPSK	136	46	13.22	-	-	14.5	0.0	-
100	QPSK	136	138	13.12	-	-	14.5	0.0	-
100	QPSK	236	0	13.06	-	-	-	-	-
100	REGAM	1	1	13.11	-	-	14.5	0.0	-
100	REGAM	1	1	13.11	-	-	14.5	0.0	-
100	REGAM	1	1	13.25	-	-	14.5	0.0	-
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.20	13.35	13.32	15.5	0.0	-
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.34	13.17	13.21	15.5	0.0	-
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.20	13.10	13.27	15.5	0.0	-
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.18	13.22	13.30	15.5	0.0	-
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.14	13.24	13.26	15.5	0.0	-
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.11	13.134	13.134	15.5	0.0	-
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.25	13.22	13.10	15.5	0.0	-
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.22	13.30	13.34	15.5	0.0	-

Part27O n78 PC2 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	13.50	13.50	13.50	-	14.0	0.0
100	P12 BPSK	1	137	13.27	-	-	-	-	-
100	P12 BPSK	1	271	13.43	-	-	-	-	-
100	P12 BPSK	136	0	13.32	-	-	14.0	0.0	-
100	P12 BPSK	136	46	13.26	-	-	14.0	0.0	-
100	P12 BPSK	136	138	13.26	-	-	14.0	0.0	-
100	P12 BPSK	236	0	13.25	-	-	14.0	0.0	-
100	QPSK	1	1	13.55	13.55	13.55	-	14.0	0.0
100	QPSK	1	137	13.32	-	-	-	-	-
100	QPSK	1	271	13.42	-	-	14.0	0.0	-
100	QPSK	136	0	13.44	-	-	14.0	0.0	-
100	QPSK	136	46	13.37	-	-	14.0	0.0	-
100	QPSK	136	138	13.10	-	-	14.0	0.0	-
100	QPSK	236	0	13.26	-	-	14.0	0.0	-
100	REGAM	1	1	13.11	-	-	14.0	0.0	-
100	REGAM	1	1	13.43	-	-	14.0	0.0	-
100	REGAM	1	1	13.25	-	-	14.0	0.0	-
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.54	13.53	13.50	17.0	0.0	-
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.54	13.43	13.36	17.0	0.0	-
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.38	13.37	13.46	17.0	0.0	-
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.48	13.33	13.41	17.0	0.0	-
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.38	13.43	13.37	17.0	0.0	-
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.44	13.36	13.44	17.0	0.0	-
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.39	13.47	13.47	17.0	0.0	-
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.48	13.47	13.50	17.0	0.0	-

Part27Q 78 PC2 Ant 10									
BW (MHz)	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		3500101			
Frequency (MHz)						13.19			
100	PSS-BPSK	1	1			13.19	14.0	0.0	
100	PSS-BPSK	1	137			13.29			
100	PSS-BPSK	1	271			13.29	14.0	0.0	
100	PSS-BPSK	135	0			13.22			
100	PSS-BPSK	135	66			13.22	14.0	0.0	
100	PSS-BPSK	135	138			13.28			
100	PSS-BPSK	270	0			13.28	14.0	0.0	
100	QPSK	1	1			13.53			
100	QPSK	1	137			13.23	14.0	0.0	
100	QPSK	1	271			13.26			
100	QPSK	135	0			13.20			
100	QPSK	135	66			13.28	14.0	0.0	
100	QPSK	135	138			13.28			
100	QPSK	270	0			13.28	14.0	0.0	
100	16QAM	1	1			13.25			
100	16QAM	1	1			13.49	14.0	0.0	
100	256QAM	1	1			13.14			
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
50	QPSK	1	1	13.43	13.43	13.30	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
80	QPSK	1	1	13.43	13.43	13.42	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
70	QPSK	1	1	13.31	13.37	13.43	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
60	QPSK	1	1	13.37	13.43	13.45	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
50	QPSK	1	1	13.49	13.52	13.48	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
40	QPSK	1	1	13.48	13.49	13.51	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
30	QPSK	1	1	13.43	13.51	13.43	17.0	0.0	
Channel				633334		633334			
Frequency (MHz)						13.19	13.19		
20	QPSK	1	1	13.50	13.57	13.41	17.0	0.0	

Par270 n77 PC3 Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)		MPR (dB)
Channel									
Frequency (MHz)				3730	3640	3650			
100	P12 BPSK	1	1	16.83	16.82	17.92	17.5	0.0	
100	P12 BPSK	1	137	16.08	15.99	15.94			
100	P12 BPSK	1	271	16.02	16.20	16.03			
100	P12 BPSK	136	0	16.04	16.02	16.04	17.5	0.0	
100	P12 BPSK	136	66	15.87	15.87	15.94	17.5	0.0	
100	P12 BPSK	136	136	15.94	16.12	15.95	17.5	0.0	
100	P12 BPSK	270	0	16.01	16.02	15.91			
100	QPSK	1	1	16.00	16.02	16.25			
100	QPSK	1	137	16.05	15.95	16.04	17.5	0.0	
100	QPSK	1	271	16.79	15.95	16.12			
100	QPSK	136	0	15.96	16.15	16.13	17.5	0.0	
100	QPSK	136	66	16.02	15.92	16.06	17.5	0.0	
100	QPSK	136	136	16.04	16.04	16.02	17.5	0.0	
100	QPSK	270	0	16.06	16.02	16.02	17.5	0.0	
100	16QAM	1	1	16.07	16.02	16.19			
100	256QAM	1	1	16.02	16.10	16.06	17.5	0.0	
Channel									
Frequency (MHz)				64668	65600	66234	Turn-up limit	MPR	
Channel				3743.02	3640	3743.02	dBm	dB	
90	QPSK	1	1	16.81	16.30	16.17	17.5	0.0	
Channel									
Frequency (MHz)				64634	65600	66268	Turn-up limit	MPR	
Channel				3743.02	3640	3743.02	(dBm)	(dB)	
80	QPSK	1	1	16.79	16.14	16.06	17.5	0.0	
Channel									
Frequency (MHz)				64600	65600	66300	Turn-up limit	MPR	
Channel				3732	3640	3640	(dBm)	(dB)	
70	QPSK	1	1	16.88	16.19	16.19	17.5	0.0	
Channel									
Frequency (MHz)				3730.02	3640	3650.01	Turn-up limit	MPR	
Channel				3730.02	3640	3650.01	(dBm)	(dB)	
60	QPSK	1	1	16.00	16.16	16.10	17.5	0.0	
Channel									
Frequency (MHz)				3726.01	3640	3650.02	Turn-up limit	MPR	
Channel				3726.01	3640	3650.02	(dBm)	(dB)	
50	QPSK	1	1	16.82	16.14	16.15	17.5	0.0	
Channel									
Frequency (MHz)				3720	3640	3650	Turn-up limit	MPR	
Channel				3720	3640	3650	(dBm)	(dB)	
40	QPSK	1	1	16.89	16.20	16.12	17.5	0.0	
Channel									
Frequency (MHz)				64766	65600	66134	Turn-up limit	MPR	
Channel				3712.02	3640	3650.01	(dBm)	(dB)	
30	QPSK	1	1	16.13	16.23	16.27	17.5	0.0	
Channel									
Frequency (MHz)				64734	65600	66068	Turn-up limit	MPR	
Channel				3712.01	3640	3650.02	(dBm)	(dB)	
20	QPSK	1	1	16.79	16.02	16.26	17.5	0.0	

Part27Q n77 PC3 Ant 11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit		MPR (dB)
Channel									
Frequency (MHz)				63000					
100	P12 BPSK	1	1				17.5	0.0	
100	P12 BPSK	1	137						
100	P12 BPSK	1	271						
100	P12 BPSK	136	0				17.5	0.0	
100	P12 BPSK	136	66				17.5	0.0	
100	P12 BPSK	136	136				17.5	0.0	
100	P12 BPSK	270	0						
100	QPSK	1	1	16.26					
100	QPSK	1	137				17.5	0.0	
100	QPSK	1	271						
100	QPSK	136	0				17.5	0.0	
100	QPSK	136	66				17.5	0.0	
100	QPSK	136	136				17.5	0.0	
100	QPSK	270	0						
100	16QAM	1	1	15.99					
100	16QAM	1	1	15.97			17.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Turn-up limit	MPR	
Channel				3676	63334	63668	(dBm)	(dB)	
90	QPSK	1	1	16.09	16.16	16.16	17.5	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Turn-up limit	MPR	
Channel				3680.02	63334	63600	(dBm)	(dB)	
80	QPSK	1	1	16.07	16.07	16.12	17.5	0.0	
Channel									
Frequency (MHz)				63034	63334	63434	Turn-up limit	MPR	
Channel				3685.01	63334	6350.01	(dBm)	(dB)	
70	QPSK	1	1	16.14	16.10	16.07	17.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Turn-up limit	MPR	
Channel				3680	63334	6360.02	(dBm)	(dB)	
60	QPSK	1	1	16.01	16.05	16.03	17.5	0.0	
Channel									
Frequency (MHz)				63068	63334	63600	Turn-up limit	MPR	
Channel				3676.02	63334	63600	(dBm)	(dB)	
50	QPSK	1	1	16.08	16.12	16.06	17.5	0.0	
Channel									
Frequency (MHz)				63034	63334	63434	Turn-up limit	MPR	
Channel				3676.01	63334	6350.01	(dBm)	(dB)	
40	QPSK	1	1	16.16	16.02	16.06	17.5	0.0	
Channel									
Frequency (MHz)				63000	63334	63668	Turn-up limit	MPR	
Channel				3676	63334	6360.02	(dBm)	(dB)	
30	QPSK	1	1	16.03	15.98	16.06	17.5	0.0	



n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPE (dB)
Channel									
Frequency (MHz)				166800	167300	167600	Turn-up time (dBm)		
20	PSS BPSK	1	1	24.48	24.52	24.53			0.0
20	PSS BPSK	1	53	24.37	24.41	24.24	25.5		0.0
30	PSS BPSK	1	104	24.26	24.40	24.33			
20	PSS BPSK	50	5	24.17	24.08	24.08	25.0	0.5	
20	PSS BPSK	50	28	24.13	23.95	23.96	25.5	0.0	
20	PSS BPSK	50	55	24.21	24.34	24.29			
20	PSS BPSK	100	0	23.85	23.53	23.53	25.0	0.5	
20	QPSK	1	1	24.44	24.50	24.53			
20	QPSK	1	53	24.37	24.50	24.48	25.5	0.0	
20	QPSK	1	104	24.46	24.52	24.36			
20	QPSK	50	0	23.40	23.53	23.62	24.5	1.0	
20	QPSK	50	26	23.57	23.67	23.58	25.0	0.8	
20	QPSK	50	50	23.67	23.85	23.58			
20	QPSK	100	0	22.55	22.60	22.55	24.5	1.0	
20	ISQAM	1	1	23.50	23.40	23.50	24.0	1.0	
20	ISQAM	1	1	22.25	22.17	22.15	23.0	1.5	
20	ISQAM	1	1	20.12	20.04	20.16	21.0	4.5	
Channel									
15	QPSK	1	1	24.40	24.60	24.47	25.5	0.0	
Channel									
10	QPSK	1	1	24.46	24.50	24.54	25.5	0.0	
Channel									
5	QPSK	1	1	24.42	24.67	24.40	25.5	0.0	

DSIS									
n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPE (dB)
Channel									
Frequency (MHz)				505000	507000	509000	Turn-up time (dBm)		
50	PSS BPSK	1	1	22.12	22.18	22.09			
50	PSS BPSK	1	135	22.07	22.15	22.02	24.0	0.0	
50	PSS BPSK	1	266	22.01	22.11	22.17			
50	PSS BPSK	136	5	21.87	21.73	21.84	23.0	0.5	
50	PSS BPSK	136	48	22.08	22.23	22.08	24.0	0.0	
50	PSS BPSK	136	135	21.84	21.79	21.86			
50	PSS BPSK	270	0	21.68	21.78	21.84	23.5	0.5	
50	QPSK	1	1	22.16	22.09	22.02			
50	QPSK	1	135	22.05	22.15	22.02	24.0	0.0	
50	QPSK	1	266	22.03	22.12	22.05			
50	QPSK	136	0	21.07	21.15	21.11	23.0	1.0	
50	QPSK	136	48	22.07	22.17	22.01	24.0	0.8	
50	QPSK	136	135	20.81	20.91	20.80			
50	QPSK	270	0	20.90	21.00	20.86	23.0	1.0	
50	ISQAM	1	1	21.14	21.20	21.16	23.0	1.0	
50	ISQAM	1	1	19.76	19.67	19.83	21.0	1.5	
50	ISQAM	1	1	17.88	17.75	17.92	18.5	4.5	
Channel									
40	QPSK	1	1	21.84	22.11	21.86	24.0	0.0	
Channel									
30	QPSK	1	1	21.88	22.08	21.97	24.0	0.0	
Channel									
25	QPSK	1	1	21.83	22.13	21.94	24.0	0.0	
Channel									
20	QPSK	1	1	21.89	22.03	21.91	24.0	0.0	
Channel									
10	QPSK	1	1	21.17	22.00	21.96	24.0	0.0	
Channel									
5	QPSK	1	1	22.07	22.00	22.08	24.0	0.0	

n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPE (dB)
Channel									
Frequency (MHz)				345000	346000	346000	Turn-up time (dBm)		
40	PSS BPSK	1	1	22.58	22.60	22.62			
40	PSS BPSK	1	108	22.71	22.68	22.59	24.5	0.0	
40	PSS BPSK	1	214	22.54	22.70	22.70			
40	PSS BPSK	108	5	22.11	22.16	22.19	24.0	0.5	
40	PSS BPSK	108	54	22.87	22.82	22.83	24.5	0.0	
40	PSS BPSK	108	108	22.37	22.30	22.41			
40	PSS BPSK	216	0	22.13	22.10	22.24	24.0	0.5	
40	QPSK	1	1	22.58	22.60	22.72			
40	QPSK	1	108	22.59	22.67	22.76	24.5	0.0	
40	QPSK	1	214	22.62	22.63	22.84			
40	QPSK	108	0	21.70	21.64	21.77	23.5	1.0	
40	QPSK	108	54	22.85	22.88	22.83	24.5	0.0	
40	QPSK	108	108	21.83	21.84	21.86			
40	QPSK	216	0	22.51	22.55	22.63	23.5	1.0	
40	ISQAM	1	1	21.65	21.58	21.63	23.0	1.0	
40	ISQAM	1	1	20.11	20.06	20.16	21.0	1.5	
40	ISQAM	1	1	18.07	18.00	18.16	18.0	4.5	
Channel									
30	QPSK	1	1	22.68	22.59	22.59	24.0	0.0	
Channel									
20	QPSK	1	1	22.58	22.70	22.80	24.5	0.0	
Channel									
15	QPSK	1	1	22.57	22.68	22.75	24.5	0.0	
Channel									
10	QPSK	1	1	22.54	22.70	22.75	24.5	0.0	
Channel									
5	QPSK	1	1	22.07	22.70	22.71	24.5	0.0	



n38 Ant0 DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (s)	MTR (dB)	
Channel									
Frequency (MHz)				2060.02	2060	2060.98			
40	PQ2 BPSK	1	1	21.22	21.63	21.83			
40	PQ2 BPSK	1	93	21.18	21.50	21.37	23.0	0.0	
40	PQ2 BPSK	1	104	21.37	21.50	21.29			
40	PQ2 BPSK	30	0	21.37	21.50	21.40	23.0	0.0	
40	PQ2 BPSK	30	26	21.39	21.37	21.44	23.0	0.0	
40	PQ2 BPSK	30	66	21.36	21.42	21.31			
40	PQ2 BPSK	196	0	21.30	21.35	21.24	23.0	0.0	
40	QPSK	1	1	21.39	21.52	21.44			
40	QPSK	1	93	21.37	21.40	21.30	23.0	0.0	
40	QPSK	1	104	21.25	21.30	21.38			
40	QPSK	30	0	20.91	21.10	20.94	22.5	0.5	
40	QPSK	30	26	21.27	21.40	21.23	23.0	0.0	
40	QPSK	30	66	20.90	21.00	20.84	22.5	0.5	
40	QPSK	196	0	20.86	20.90	20.86			
40	16QAM	1	1	20.89	21.10	21.02	22.5	0.5	
40	16QAM	1	1	19.45	19.48	19.85	21.0	2.5	
40	256QAM	1	1	17.51	17.60	17.47	19.0	4.0	
Channel									
Frequency (MHz)				5170.02	5190.00	5209.98	Time-up limit (s)	MTR (dB)	
30	QPSK	1	1	20.51	20.95	20.87	23.0	0.0	
30	QPSK	1	1	21.18	21.54	21.25	23.0	0.0	
Channel									
Frequency (MHz)				5180.00	5190.00	5200.00	Time-up limit (s)	MTR (dB)	
30	QPSK	1	1	21.20	21.30	21.44	23.0	0.0	

n41 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (s)	MTR (dB)	
Channel									
Frequency (MHz)				2046.01	2050.30	2045			
100	PQ2 BPSK	1	1	21.03	21.04	21.10			
100	PQ2 BPSK	1	137	21.09	21.63	21.73	23.5	0.0	
100	PQ2 BPSK	1	271	21.06	21.7	21.65			
100	PQ2 BPSK	136	0	21.31	21.23	21.22	23.0	0.5	
100	PQ2 BPSK	136	66	21.51	21.50	21.66	23.0	0.0	
100	PQ2 BPSK	136	136	21.61	21.00	21.00			
100	PQ2 BPSK	236	0	21.24	21.15	21.31	23.0	0.5	
100	QPSK	1	1	22.09	22.12	21.93			
100	QPSK	1	137	21.62	21.63	21.61	23.5	0.0	
100	QPSK	1	271	21.55	21.60	21.66			
100	QPSK	136	0	20.79	20.85	20.80	22.5	1.0	
100	QPSK	136	66	22.05	22.07	21.91	23.5	0.0	
100	QPSK	136	136	20.51	20.61	20.66	22.5	1.0	
100	16QAM	1	1	20.53	20.84	20.97	22.5	1.0	
100	64QAM	1	1	19.43	19.41	19.49	21.0	2.5	
100	256QAM	1	1	17.38	17.33	17.40	19.0	4.0	
Channel									
Frequency (MHz)				5090.00	5160.98	5260.98	Time-up limit (s)	MTR (dB)	
90	QPSK	1	1	22.04	22.02	22.01	23.0	0.0	
Channel									
Frequency (MHz)				5070.04	5160.98	5260.98	Time-up limit (s)	MTR (dB)	
80	QPSK	1	1	21.96	22.03	21.95	23.0	0.0	
Channel									
Frequency (MHz)				5080.02	5160.98	5310.98	Time-up limit (s)	MTR (dB)	
70	QPSK	1	1	22.03	22.08	21.92	23.0	0.0	
Channel									
Frequency (MHz)				5050.00	5160.98	5310.98	Time-up limit (s)	MTR (dB)	
60	QPSK	1	1	21.96	22.03	21.93	23.0	0.0	
Channel									
Frequency (MHz)				5020.00	5160.98	5360.98	Time-up limit (s)	MTR (dB)	
50	QPSK	1	1	21.94	22.00	21.83	23.0	0.0	
Channel									
Frequency (MHz)				5030.03	5160.98	5410.98	Time-up limit (s)	MTR (dB)	
40	QPSK	1	1	21.09	22.00	21.80	23.0	0.0	
Channel									
Frequency (MHz)				5020.00	5160.98	5360.98	Time-up limit (s)	MTR (dB)	
30	QPSK	1	1	22.01	22.07	21.94	23.0	0.0	
Channel									
Frequency (MHz)				5010.04	5160.98	5360.98	Time-up limit (s)	MTR (dB)	
20	QPSK	1	1	22.05	22.05	21.90	23.0	0.0	

Par270 n77 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (s)	MTR (dB)	
Channel									
Frequency (MHz)				3700	3690	3690			
100	PQ2 BPSK	1	1	21.94	21.60	21.87			
100	PQ2 BPSK	1	137	21.60	21.60	21.53	23.5	0.0	
100	PQ2 BPSK	1	271	21.58	21.52	21.66			
100	PQ2 BPSK	136	0	21.45	21.50	21.51	23.0	0.5	
100	PQ2 BPSK	136	66	21.76	21.67	21.74	23.0	0.0	
100	PQ2 BPSK	136	136	21.59	21.70	21.66			
100	PQ2 BPSK	236	0	21.30	21.35	21.38	23.0	0.5	
100	QPSK	1	1	21.62	21.60	21.66			
100	QPSK	1	137	21.66	21.70	21.70	23.5	0.0	
100	QPSK	1	271	21.62	21.67	21.58			
100	QPSK	136	0	21.67	21.66	21.70	22.5	1.0	
100	QPSK	136	66	21.61	21.60	21.70	22.5	0.0	
100	QPSK	136	136	20.84	20.89	20.70	22.5	1.0	
100	QPSK	270	0	20.86	20.86	20.87			
100	16QAM	1	1	20.83	20.84	20.97	22.5	1.0	
100	16QAM	1	1	19.48	19.35	19.85	21.0	2.5	
100	256QAM	1	1	17.97	17.80	17.90	19.0	4.0	
Channel									
Frequency (MHz)				6490.68	6560.00	6630.34	Time-up limit (s)	MTR (dB)	
90	QPSK	1	1	21.94	21.90	21.93	23.0	0.0	
Channel									
Frequency (MHz)				6493.34	6560.00	6630.68	Time-up limit (s)	MTR (dB)	
80	QPSK	1	1	21.81	21.79	21.83	23.0	0.0	
Channel									
Frequency (MHz)				6490.00	6560.00	6630.00	Time-up limit (s)	MTR (dB)	
70	QPSK	1	1	21.81	21.74	21.57	23.0	0.0	
Channel									
Frequency (MHz)				6486.68	6560.00	6630.32	Time-up limit (s)	MTR (dB)	
60	QPSK	1	1	21.62	21.76	21.96	23.0	0.0	
Channel									
Frequency (MHz)				6473.34	6560.00	6630.68	Time-up limit (s)	MTR (dB)	
50	QPSK	1	1	21.68	21.91	21.60	23.0	0.0	
Channel									
Frequency (MHz)				6460.00	6560.00	6630.00	Time-up limit (s)	MTR (dB)	
40	QPSK	1	1	21.69	21.90	21.80	23.0	0.0	
Channel									
Frequency (MHz)				6446.68	6560.00	6630.34	Time-up limit (s)	MTR (dB)	
30	QPSK	1	1	21.72	21.84	21.60	23.0	0.0	
Channel									
Frequency (MHz)				6433.34	6560.00	6630.68	Time-up limit (s)	MTR (dB)	
20	QPSK	1	1	21.64	21.76	21.67	23.0	0.0	

Part27Q n77 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. [dBm]	MPR [dB]	
Channel									
Frequency [MHz]				6333.94					
100	PSS-BPSK	1	1	21.08					
100	PSS-BPSK	1	137	21.70			23.5	0.0	
100	PSS-BPSK	1	271	21.69					
100	PSS-BPSK	135	0	21.08					
100	PSS-BPSK	135	66	21.91			23.5	0.0	
100	PSS-BPSK	135	135	21.94					
100	PSS-BPSK	270	0	21.52			25.0	0.5	
100	QPSK	1	1	22.04					
100	QPSK	1	137	22.00			23.5	0.0	
100	QPSK	1	271	21.81					
100	QPSK	135	0	21.78					
100	QPSK	135	66	22.00			23.5	0.0	
100	QPSK	135	135	20.99					
100	QPSK	270	0	22.34			22.5	1.0	
100	ISQAM	1	1	21.04			25.5	1.0	
100	ISQAM	1	1	19.59			24.0	2.5	
100	ISQAM	1	1	17.08			18.0	4.5	
Channel									
Frequency [MHz]				6333.94		6333.98	Tune-up Int.	MPR	
Channel				6333.94		6333.98	23.5	0.0	
50	QPSK	1	1	21.75	21.81	21.87			
Channel									
Frequency [MHz]				6333.98		6333.94	Tune-up Int.	MPR	
Channel				6333.98		6333.94	23.5	0.0	
80	QPSK	1	1	21.70	21.72	21.87			
Channel									
Frequency [MHz]				6333.94		6333.94	Tune-up Int.	MPR	
Channel				6333.94		6333.94	23.5	0.0	
70	QPSK	1	1	21.63	21.89	21.89			
Channel									
Frequency [MHz]				6333.98		6333.98	Tune-up Int.	MPR	
Channel				6333.98		6333.98	23.5	0.0	
80	QPSK	1	1	21.63	21.74	21.89			
Channel									
Frequency [MHz]				6333.94		6333.94	Tune-up Int.	MPR	
Channel				6333.94		6333.94	23.5	0.0	
50	QPSK	1	1	21.70	21.77	21.68			
Channel									
Frequency [MHz]				6333.94		6333.94	Tune-up Int.	MPR	
Channel				6333.94		6333.94	23.5	0.0	
40	QPSK	1	1	21.68	21.69	21.73			
Channel									
Frequency [MHz]				6333.94		6333.94	Tune-up Int.	MPR	
Channel				6333.94		6333.94	23.5	0.0	
30	QPSK	1	1	21.60	21.64	21.73			
Channel									
Frequency [MHz]				6333.94		6333.94	Tune-up Int.	MPR	
Channel				6333.94		6333.94	23.5	0.0	
20	QPSK	1	1	21.70	21.69	21.68			

Part27O n78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. [dBm]	MPR [dB]	
Channel									
Frequency [MHz]				3750		3750			
100	PSS-BPSK	1	1	21.84					
100	PSS-BPSK	1	137	21.08			23.5	0.0	
100	PSS-BPSK	1	271	21.64					
100	PSS-BPSK	135	0	21.91			23.5	0.0	
100	PSS-BPSK	135	66	21.79			23.5	0.0	
100	PSS-BPSK	135	135	21.92					
100	PSS-BPSK	270	0	21.74			23.5	0.0	
100	QPSK	1	1	22.04					
100	QPSK	1	137	21.89			23.5	0.0	
100	QPSK	1	271	21.78					
100	QPSK	135	0	21.89			23.5	0.0	
100	QPSK	135	66	21.79			23.5	0.0	
100	QPSK	135	135	21.53					
100	QPSK	270	0	22.34			23.5	0.0	
100	ISQAM	1	1	21.05			25.5	1.0	
100	ISQAM	1	1	21.09			24.5	1.0	
100	ISQAM	1	1	19.01			18.5	3.5	
Channel									
Frequency [MHz]				6500.00		6500.00	Tune-up Int.	MPR	
Channel				6500.00		6500.00	23.5	0.0	
50	QPSK	1	1	21.62	21.68	21.64			
Channel									
Frequency [MHz]				6493.34		6500.00	Tune-up Int.	MPR	
Channel				6493.34		6500.00	23.5	0.0	
80	QPSK	1	1	21.55	21.64	21.80			
Channel									
Frequency [MHz]				6490.00		6500.00	Tune-up Int.	MPR	
Channel				6490.00		6500.00	23.5	0.0	
70	QPSK	1	1	21.65	21.81	21.57			
Channel									
Frequency [MHz]				6490.00		6493.34	Tune-up Int.	MPR	
Channel				6490.00		6493.34	23.5	0.0	
80	QPSK	1	1	21.61	21.59	21.58			
Channel									
Frequency [MHz]				6493.34		6493.34	Tune-up Int.	MPR	
Channel				6493.34		6493.34	23.5	0.0	
50	QPSK	1	1	21.50	21.68	21.50			
Channel									
Frequency [MHz]				6490.00		6490.00	Tune-up Int.	MPR	
Channel				6490.00		6490.00	23.5	0.0	
40	QPSK	1	1	21.53	21.49	21.46			
Channel									
Frequency [MHz]				6490.00		6490.00	Tune-up Int.	MPR	
Channel				6490.00		6490.00	23.5	0.0	
30	QPSK	1	1	21.54	21.61	21.50			
Channel									
Frequency [MHz]				6493.34		6490.00	Tune-up Int.	MPR	
Channel				6493.34		6490.00	23.5	0.0	
20	QPSK	1	1	21.59	21.64	21.58			

Part27O n78 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. [dBm]	MPR [dB]	
Channel									
Frequency [MHz]				3750		3750			
100	PSS-BPSK	1	1	21.78					
100	PSS-BPSK	1	137	21.62			25.0	0.0	
100	PSS-BPSK	1	271	22.02					
100	PSS-BPSK	135	0	22.07			24.5	0.5	
100	PSS-BPSK	135	66	23.24			25.0	0.0	
100	PSS-BPSK	135	135	22.04					
100	PSS-BPSK	270	0	21.09			24.5	0.5	
100	QPSK	1	1	23.46			25.0	0.0	
100	QPSK	1	137	23.14					
100	QPSK	1	271	22.45			24.5	1.0	
100	QPSK	135	0	22.33			25.0	0.0	
100	QPSK	135	66	23.05			24.5	1.0	
100	QPSK	135	135	21.89					
100	QPSK	270	0	22.34			24.5	1.0	
100	ISQAM	1	1	21.00			25.0	1.0	
100	ISQAM	1	1	20.77			24.5	2.5	
100	ISQAM	1	1	20.59			24.0	4.5	
Channel				66500	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
100	QPSK	1	1	21.53			25.0	0.0	
Channel				66734	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
100	QPSK	1	1	21.78	23.24		25.0	0.0	
Channel				66500	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
70	QPSK	1	1	23.29	25.16	23.22	25.0	0.0	
Channel				66500	66500	665134	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
60	QPSK	1	1	23.30	23.24	23.29	25.0	0.0	
Channel				66500	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
30	QPSK	1	1	23.11	23.25	23.36	25.0	0.0	
Channel				66500	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
40	QPSK	1	1	23.27	23.29	23.32	25.0	0.0	
Channel				66500	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
30	QPSK	1	1	23.23	23.19	23.29	25.0	0.0	
Channel				66734	66500	66500	Tune-up Int.	MPR	
Frequency [MHz]				3751.5	3751.5	3751.5			
20	QPSK	1	1	23.22	23.19	23.29	25.0	0.0	

Part27Q 78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]				63300	63334	63368	Tune-up Int. (dBm)		
100	PSS-BPSK	1	1	21.29				23.5	0.0
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	21.53					
100	PSS-BPSK	135	5	21.88				23.5	0.0
100	PSS-BPSK	135	89	21.94					
100	PSS-BPSK	135	126	21.78					
100	PSS-BPSK	270	5	21.28				23.0	0.5
100	QPSK	1	1	22.00					
100	QPSK	1	137	21.84					
100	QPSK	1	271	21.83				23.5	0.0
100	QPSK	135	5	21.88					
100	QPSK	135	89	21.83					
100	QPSK	135	126	21.59				23.5	0.0
100	QPSK	270	5	21.24					
100	QPSK	270	5	21.20					
100	ISQAM	1	1	21.10				25.0	1.0
100	ISQAM	1	1	21.13					
100	ISQAM	1	1	21.13					
100	ISQAM	1	1	21.07				25.0	4.5
100	ISQAM	1	1	21.07					
100	ISQAM	1	1	21.07					
Channel				63300	63334	63368	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63300	63334	63368			
50	QPSK	1	1	23.75	23.77	23.88	23.5	0.0	
Channel				63368	63334	63400	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63368	63334	63400			
80	QPSK	1	1	23.70	23.79	23.70	23.5	0.0	
Channel				63234	63334	63434	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63234	63334	63434			
70	QPSK	1	1	23.73	23.68	23.79	23.5	0.0	
Channel				63400	63334	63468	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63400	63334	63468			
80	QPSK	1	1	23.70	23.77	23.70	23.5	0.0	
Channel				3576.02	3500.91	3623	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				3576.02	3500.91	3623			
50	QPSK	1	1	23.68	23.68	23.68	23.5	0.0	
Channel				63134	63134	63134	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63134	63134	63134			
40	QPSK	1	1	23.68	23.68	23.67	23.5	0.0	
Channel				63100	63334	63668	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63100	63334	63668			
30	QPSK	1	1	23.71	23.72	23.63	23.5	0.0	
Channel				63668	63334	63600	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63668	63334	63600			
20	QPSK	1	1	23.67	23.66	23.60	23.5	0.0	

Part27Q 78 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
100	PSS-BPSK	1	1	23.21			25.0	0.0	
100	PSS-BPSK	1	137	23.27					
100	PSS-BPSK	1	271	22.74					
100	PSS-BPSK	135	5	22.75			24.5	0.5	
100	PSS-BPSK	135	89	23.08					
100	PSS-BPSK	135	126	22.38					
100	PSS-BPSK	270	5	23.27			24.5	0.5	
100	QPSK	1	1	23.30					
100	QPSK	1	137	22.23					
100	QPSK	1	271	22.27			24.5	1.0	
100	QPSK	135	5	22.76					
100	QPSK	135	89	23.39					
100	QPSK	135	126	21.70			25.0	1.0	
100	QPSK	270	5	22.24					
100	QPSK	270	5	21.75					
100	ISQAM	1	1	21.75			25.0	1.0	
100	ISQAM	1	1	21.75					
100	ISQAM	1	1	21.75					
100	ISQAM	1	1	21.73			25.5	2.5	
100	ISQAM	1	1	21.73					
100	ISQAM	1	1	21.73					
Channel				63300	63334	63368	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63300	63334	63368			
50	QPSK	1	1	23.10	23.25	23.20	25.0	0.0	
Channel				63368	63334	63400	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63368	63334	63400			
80	QPSK	1	1	23.17	23.26	23.29	25.0	0.0	
Channel				63234	63334	63434	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63234	63334	63434			
70	QPSK	1	1	23.20	23.29	23.28	25.0	0.0	
Channel				63400	63334	63468	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63400	63334	63468			
80	QPSK	1	1	23.19	23.28	23.19	25.0	0.0	
Channel				3475.50	3500.91	3623	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				3475.50	3500.91	3623			
50	QPSK	1	1	23.22	23.21	23.21	25.0	0.0	
Channel				63134	63134	63134	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63134	63134	63134			
40	QPSK	1	1	23.27	23.23	23.20	25.0	0.0	
Channel				63100	63334	63668	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63100	63334	63668			
30	QPSK	1	1	23.14	23.28	23.20	25.0	0.0	
Channel				63668	63334	63600	Tune-up Int. (dBm)	MPR	
Frequency [MHz]				63668	63334	63600			
20	QPSK	1	1	23.12	23.29	23.17	25.0	0.0	

n5 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 16800	Power Middle Ch./Freq. 16750	Power High Ch./Freq. 16900	Time-up limit (dBm)	MFR (dB)
Channel				16800	16750	16900		
Frequency (MHz)				16800	16750	16900		
20	PLC BPSK	1	1	22.43	22.43	22.83		
20	PLC BPSK	1	63	22.40	22.50	22.43	23.0	0.0
20	PLC BPSK	1	104	22.53	22.50	22.47		
20	PLC BPSK	50	0	22.37	22.51	22.56	23.0	0.0
20	PLC BPSK	50	26	22.35	22.61	22.46	23.0	0.0
20	PLC BPSK	50	56	22.39	22.42	22.47		
20	PLC BPSK	100	0	22.38	22.51	22.57	23.0	0.0
20	QPSK	1	1	22.51	22.60	22.83		
20	QPSK	1	63	22.40	22.40	22.43	23.0	0.0
20	QPSK	1	104	22.38	22.5	22.58		
20	QPSK	50	0	22.44	22.56	22.55	23.0	0.0
20	QPSK	50	26	22.45	22.55	22.54	23.0	0.0
20	QPSK	50	56	22.32	22.61	22.63		
20	QPSK	100	0	22.47	22.50	22.46	23.0	0.0
20	16QAM	1	1	22.49	22.50	22.59	23.0	0.0
20	16QAM	1	1	21.77	21.80	21.87	22.5	0.5
20	256QAM	1	1	19.54	19.53	19.80	20.5	2.5
Channel				16850	16750	16850	Time-up limit	MFR
Frequency (MHz)				16850	16750	16850	limit	limit
15	QPSK	1	1	22.42	22.60	22.55	23.0	0.0
Channel				16880	16750	16880	Time-up limit	MFR
Frequency (MHz)				16880	16750	16880	limit	limit
10	QPSK	1	1	22.30	22.55	22.57	23.0	0.0
Channel				16500	16750	16500	Time-up limit	MFR
Frequency (MHz)				16500	16750	16500	limit	limit
5	QPSK	1	1	22.47	22.61	22.48	23.0	0.0

n7 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2471	2474	2545	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1914	1916	1916			
50	P12 BPSK	1	1	19.14	19.16	19.16	21.0	0.0	
50	P12 BPSK	1	136	19.18	19.19	19.37			
50	P12 BPSK	1	268	19.23	19.66	19.43			
50	P12 BPSK	136	0	19.34	19.63	19.29	21.0	0.0	
50	P12 BPSK	136	68	19.34	19.61	19.35	21.0	0.0	
50	P12 BPSK	136	136	19.19	19.67	19.26			
50	P12 BPSK	272	0	19.18	19.65	19.41	21.0	0.0	
50	QPSK	1	1	19.35	19.60	19.42			
50	QPSK	1	136	19.35	19.70	19.21	21.0	0.0	
50	QPSK	1	268	19.20	19.74	19.38			
50	QPSK	136	0	19.24	19.66	19.21	21.0	0.0	
50	QPSK	136	68	19.23	19.70	19.23	21.0	0.0	
50	QPSK	136	136	19.15	19.70	19.42	21.0	0.0	
50	QPSK	272	0	19.26	19.67	19.41			
50	16QAM	1	1	19.20	19.65	19.31	21.0	0.0	
50	16QAM	1	1	19.28	19.66	19.27	21.0	0.0	
50	256QAM	1	1	17.76	17.77	17.81	19.5	1.5	
Channel				504500	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50500	50500	50500			
40	QPSK	1	1	19.32	19.53	19.36	21.0	0.0	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50510	50500	50500			
30	QPSK	1	1	19.22	19.70	19.38	21.0	0.0	
Channel				505500	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50532	50530	50535			
25	QPSK	1	1	19.27	19.73	19.30	21.0	0.0	
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50510	50510	50510			
20	P12 BPSK	1	1	19.34	19.70	19.38	21.0	0.0	
Channel				506500	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50675	50630	50635			
15	QPSK	1	1	19.25	19.65	19.33	21.0	0.0	
Channel				5065000	5070000	5100000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5065000	5065000	5065000			
10	QPSK	1	1	19.15	19.60	19.43	21.0	0.0	
Channel				5065000	5070000	5100000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				5065000	5065000	5065000			
5	QPSK	1	1	19.37	19.60	19.21	21.0	0.0	

n66 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1740	1740			
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	24.46	24.61	24.59			
40	P12 BPSK	1	108	24.52	24.60	24.54	25.0	0.0	
40	P12 BPSK	1	214	24.49	24.54	24.60			
40	P12 BPSK	108	0	24.11	24.65	24.57	25.0	0.5	
40	P12 BPSK	108	54	24.49	24.47	24.48	25.0	0.0	
40	P12 BPSK	108	108	24.15	24.52	24.11			
40	P12 BPSK	216	0	24.07	24.61	24.05	25.0	0.5	
40	QPSK	1	1	24.54	24.61	24.58			
40	QPSK	1	108	24.55	24.55	24.42	25.0	0.0	
40	QPSK	1	214	24.48	24.51	24.58			
40	QPSK	108	0	23.45	23.45	23.46	24.5	1.0	
40	QPSK	108	54	24.28	24.62	24.38	25.0	0.0	
40	QPSK	108	108	23.77	23.62	23.72	24.5	1.0	
40	QPSK	216	0	22.26	23.67	22.34			
40	16QAM	1	1	23.28	23.31	23.27	24.5	1.0	
40	16QAM	1	1	22.08	21.97	22.07	23.0	2.5	
40	256QAM	1	1	19.88	19.83	19.84	21.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34500	34500	34500			
30	QPSK	1	1	24.42	24.53	24.53	25.0	0.0	
Channel				346000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34600	34600	34600			
30	QPSK	1	1	24.42	24.50	24.54	25.0	0.0	
Channel				345500	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34512.5	34600	34725.0			
15	QPSK	1	1	24.41	24.54	24.55	25.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34510	34510	34510			
10	QPSK	1	1	24.43	24.50	24.54	25.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34512.5	34600	34725.0			
5	QPSK	1	1	24.51	24.61	24.50	25.0	0.0	

n38 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S16004	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel				2160.02	2160	2160.98			
40	P12 BPSK	1	1	19.59	19.62	19.53			
40	P12 BPSK	1	53	19.63	19.55	19.55	21.0	0.0	
40	P12 BPSK	1	104	19.60	19.55	19.59			
40	P12 BPSK	50	0	19.55	19.51	19.53	21.0	0.0	
40	P12 BPSK	50	28	19.55	19.63	19.60	21.0	0.0	
40	P12 BPSK	50	56	19.51	19.47	19.45			
40	P12 BPSK	100	0	19.58	19.47	19.50	21.0	0.0	
40	QPSK	1	1	19.67	19.71	19.81			
40	QPSK	1	53	19.63	19.54	19.54	21.0	0.0	
40	QPSK	1	104	19.69	19.63	19.48			
40	QPSK	50	0	19.55	19.64	19.61	21.0	0.0	
40	QPSK	50	28	19.53	19.65	19.50	21.0	0.0	
40	QPSK	50	56	19.47	19.60	19.52	21.0	0.0	
40	QPSK	100	0	19.56	19.65	19.50			
40	16QAM	1	1	19.52	19.53	19.54	21.0	0.0	
40	16QAM	1	1	19.54	19.54	19.57	21.0	0.0	
40	256QAM	1	1	17.04	18.31	18.37	19.5	1.5	
Channel				517050	516990	516980	Time-up (ms)	MTR	
Frequency (MHz)				2153.01	2160	2167.99	1000	0.0	
30	QPSK	1	1	19.46	19.61	19.60	21.0	0.0	
Channel				518000	518000	520000	Time-up (ms)	MTR	
Frequency (MHz)				2160	2160	2160	1000	0.0	
30	QPSK	1	1	19.50	19.62	19.48	21.0	0.0	

n41 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S16005	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S16000	Time-up (ms) (dBm)	MTR (dB)	
Channel				2148.01	2148.30	2148			
100	P12 BPSK	1	1	19.61	19.61	19.53			
100	P12 BPSK	1	137	19.55	19.62	19.68	21.0	0.0	
100	P12 BPSK	1	271	19.51	19.70	19.67			
100	P12 BPSK	136	0	19.67	19.63	19.60	21.0	0.0	
100	P12 BPSK	136	68	19.70	19.61	19.60	21.0	0.0	
100	P12 BPSK	136	136	19.47	19.55	19.72			
100	P12 BPSK	270	0	19.62	19.65	19.58	21.0	0.0	
100	QPSK	1	1	19.69	19.62	19.74			
100	QPSK	1	137	19.60	19.74	19.57	21.0	0.0	
100	QPSK	1	271	19.47	19.70	19.73			
100	QPSK	136	0	19.50	19.61	19.53	21.0	0.0	
100	QPSK	136	68	19.60	19.60	19.63	21.0	0.0	
100	QPSK	136	136	19.59	19.59	19.52	21.0	0.0	
100	QPSK	270	0	19.54	19.65	19.71			
100	16QAM	1	1	19.54	19.55	19.55	21.0	0.0	
100	16QAM	1	1	19.58	19.61	19.60	21.0	0.0	
100	256QAM	1	1	18.18	18.21	18.27	19.5	1.5	
Channel				520500	518008	520500	Time-up (ms)	MTR	
Frequency (MHz)				2141	2148.30	2148.99	1000	0.0	
90	QPSK	1	1	19.71	19.70	19.60	21.0	0.0	
Channel				520204	518008	520600	Time-up (ms)	MTR	
Frequency (MHz)				2148.02	2148.30	2148.99	1000	0.0	
80	QPSK	1	1	19.61	19.64	19.60	21.0	0.0	
Channel				520202	518008	521000	Time-up (ms)	MTR	
Frequency (MHz)				2153.01	2148.30	2150	1000	0.0	
70	QPSK	1	1	19.58	19.60	19.65	21.0	0.0	
Channel				520500	518008	521000	Time-up (ms)	MTR	
Frequency (MHz)				2148.02	2148.30	2148.99	1000	0.0	
60	QPSK	1	1	19.61	19.72	19.53	21.0	0.0	
Channel				520205	518008	521000	Time-up (ms)	MTR	
Frequency (MHz)				2153.02	2148.30	2154.99	1000	0.0	
50	QPSK	1	1	19.52	19.62	19.66	21.0	0.0	
Channel				520205	518008	521000	Time-up (ms)	MTR	
Frequency (MHz)				2158.01	2148.30	2170	1000	0.0	
40	QPSK	1	1	19.57	19.62	19.60	21.0	0.0	
Channel				522000	518008	520000	Time-up (ms)	MTR	
Frequency (MHz)				2171	2148.30	2174.99	1000	0.0	
30	QPSK	1	1	19.54	19.70	19.68	21.0	0.0	
Channel				521204	518008	520600	Time-up (ms)	MTR	
Frequency (MHz)				2168.02	2148.30	2171.99	1000	0.0	
20	QPSK	1	1	19.55	19.63	19.60	21.0	0.0	

n7 Ant4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)				
Channel												
Frequency (MHz)				2025	2030	2045						
50	P12 BPSK	1	1	20.19	20.41	20.15	21.5	0.0				
50	P12 BPSK	1	136	20.11	20.37	20.08						
50	P12 BPSK	1	268	20.34	20.28	20.28						
50	P12 BPSK	136	0	20.11	20.35	20.23	21.5	0.0				
50	P12 BPSK	136	68	20.16	20.27	20.27	21.5	0.0				
50	P12 BPSK	136	136	20.31	20.27	20.27	21.5	0.0				
50	P12 BPSK	272	0	20.20	20.45	20.28	21.5	0.0				
50	QPSK	1	1	20.33	20.40	20.27	21.5	0.0				
50	QPSK	1	136	20.25	20.31	20.11						
50	QPSK	1	268	20.30	20.29	20.24						
50	QPSK	136	0	18.43	18.56	18.32	20.5	1.0				
50	QPSK	136	68	20.34	20.35	20.23	21.5	0.0				
50	QPSK	136	136	19.32	19.58	19.16	20.5	1.0				
50	QPSK	272	0	19.56	19.35	19.35	20.5	1.0				
50	QPSK	1	1	20.33	20.33	20.07	21.5	0.0				
50	64QAM	1	1	19.44	19.54	19.23						
50	256QAM	1	1	17.43	17.54	17.33						
Channel												
Frequency (MHz)				504500	507000	510000	Time-up limit	MTR				
Frequency (MHz)				507000	507000	507000	limit	limit				
40	QPSK	1	1	20.35	20.37	20.28	21.5	0.0				
Channel												
Frequency (MHz)				510000	507000	511000				Time-up limit	MTR	
Frequency (MHz)				511000	506800	510000	limit	limit				
30	QPSK	1	1	20.22	20.37	20.10	21.5	0.0				
Channel												
Frequency (MHz)				520500	507000	511500				Time-up limit	MTR	
Frequency (MHz)				520500	507000	520500	limit	limit				
25	QPSK	1	1	20.24	20.40	20.13	21.5	0.0				
Channel												
Frequency (MHz)				520500	507000	516000				Time-up limit	MTR	
Frequency (MHz)				520500	507000	520500	limit	limit				
20	P12 BPSK	1	1	20.19	20.34	20.08	21.5	0.0				
Channel												
Frequency (MHz)				520500	507000	520500				Time-up limit	MTR	
Frequency (MHz)				520500	507000	520500	limit	limit				
15	QPSK	1	1	20.13	20.44	20.12	21.5	0.0				
Channel												
Frequency (MHz)				530000	507000	513000				Time-up limit	MTR	
Frequency (MHz)				530000	507000	530000	limit	limit				
10	QPSK	1	1	20.31	20.33	20.24	21.5	0.0				
Channel												
Frequency (MHz)				540000	507000	518000				Time-up limit	MTR	
Frequency (MHz)				540000	507000	540000	limit	limit				
5	QPSK	1	1	20.24	20.30	20.26	21.5	0.0				
Channel												
Frequency (MHz)				550000	507000	519000				Time-up limit	MTR	
Frequency (MHz)				550000	507000	550000	limit	limit				

n66 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	23.70	23.70	23.70	24.0	0.0	
40	P12 BPSK	1	108	23.71	23.72	23.69	24.0	0.0	
40	P12 BPSK	1	214	23.67	23.77	23.73	23.5	0.5	
40	P12 BPSK	108	0	23.13	23.11	23.18	23.5	0.5	
40	P12 BPSK	108	54	23.75	23.68	23.73	24.0	0.0	
40	P12 BPSK	108	108	23.58	23.58	23.42	23.5	0.5	
40	P12 BPSK	216	0	23.15	23.15	23.38	24.0	0.0	
40	QPSK	1	1	23.67	23.65	23.70	24.0	0.0	
40	QPSK	1	108	23.78	23.80	23.85	24.0	0.0	
40	QPSK	1	214	23.82	23.78	23.78	24.0	0.0	
40	QPSK	108	0	22.88	22.88	22.84	23.0	1.0	
40	QPSK	108	54	23.58	23.70	23.77	24.0	0.0	
40	QPSK	108	108	22.87	22.80	22.86	23.0	1.0	
40	QPSK	216	0	22.54	22.52	22.88	23.0	1.0	
40	16QAM	1	1	22.38	22.35	22.42	23.0	1.0	
40	64QAM	1	1	21.08	21.61	24.81	21.5	2.5	
40	256QAM	1	1	18.04	18.81	18.70	19.5	4.5	
Channel									
				340000	340000	340000	Time-up limit	MTR	
Frequency (MHz)									
30	QPSK	1	1	23.60	23.73	23.64	24.0	0.0	
Channel									
				344000	340000	348000	Time-up limit	MTR	
Frequency (MHz)									
30	QPSK	1	1	23.61	23.78	23.68	24.0	0.0	
Channel									
				345000	340000	354000	Time-up limit	MTR	
Frequency (MHz)									
15	QPSK	1	1	23.72	23.72	23.72	24.0	0.0	
15	QPSK	1	1	23.70	23.70	23.70	24.0	0.0	
15	QPSK	1	108	23.71	23.72	23.69	24.0	0.0	
15	QPSK	1	214	23.67	23.77	23.73	23.5	0.5	
15	QPSK	108	0	23.13	23.11	23.18	23.5	0.5	
15	QPSK	108	54	23.75	23.68	23.73	24.0	0.0	
15	QPSK	108	108	23.58	23.58	23.42	23.5	0.5	
15	QPSK	216	0	23.15	23.15	23.38	24.0	0.0	
Channel									
				345000	340000	350000	Time-up limit	MTR	
Frequency (MHz)									
5	QPSK	1	1	23.67	23.74	23.69	24.0	0.0	

n38 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq. S16004	Power Middle Ch./ Freq. S16006	Power High Ch./ Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2090.02	2090	2090.98			
40	P12 BPSK	1	1	18.82	18.20	18.72			
40	P12 BPSK	1	53	18.81	18.24	18.80	20.5	0.0	
40	P12 BPSK	1	104	18.88	18.85	18.91			
40	P12 BPSK	50	0	18.82	18.21	18.76	20.5	0.0	
40	P12 BPSK	50	28	18.96	18.22	18.81	20.5	0.0	
40	P12 BPSK	50	56	18.77	18.07	18.81			
40	P12 BPSK	100	0	18.78	18.13	18.77	20.5	0.0	
40	QPSK	1	1	18.99	18.20	18.94			
40	QPSK	1	53	18.76	18.24	18.80	20.5	0.0	
40	QPSK	1	104	18.84	18.12	18.77			
40	QPSK	50	0	18.79	18.23	18.88	20.5	0.0	
40	QPSK	50	28	18.97	18.22	18.88	20.5	0.0	
40	QPSK	50	56	18.88	18.60	18.82	20.5	0.0	
40	QPSK	100	0	18.84	18.05	18.81			
40	16QAM	1	1	18.79	18.23	18.86	20.5	0.0	
40	16QAM	1	1	18.90	18.84	18.85	20.5	0.0	
40	256QAM	1	1	17.44	17.88	17.49	19.5	1.5	
Channel									
Frequency (MHz)				517050	516990	516980	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				520511	520522	520510	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	18.48	18.10	18.75	20.5	0.0	
Channel									
Frequency (MHz)				518000	518000	520500	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2090	2090	2090	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	18.00	18.22	18.38	20.5	0.0	

n41 PC3 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S06005	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S06005	Time-up (ms) (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2048.01	2042.50	2048			
100	P12 BPSK	1	1	18.23	18.22	18.18			
100	P12 BPSK	1	137	18.28	18.21	18.22	20.5	0.0	
100	P12 BPSK	1	271	18.14	18.24	18.27			
100	P12 BPSK	136	0	18.02	18.21	18.25	20.5	0.0	
100	P12 BPSK	136	68	18.26	18.21	18.13	20.5	0.0	
100	P12 BPSK	136	136	18.14	18.21	18.16			
100	P12 BPSK	270	0	18.12	18.21	18.17	20.5	0.0	
100	QPSK	1	1	18.28	18.30	18.30			
100	QPSK	1	137	18.11	18.22	18.32	20.5	0.0	
100	QPSK	1	271	18.22	18.30	18.38			
100	QPSK	136	0	18.18	18.32	18.20	20.5	0.0	
100	QPSK	136	68	18.12	18.32	18.28	20.5	0.0	
100	QPSK	136	136	18.27	18.20	18.26	20.5	0.0	
100	QPSK	270	0	18.16	18.20	18.16			
100	16QAM	1	1	18.24	18.34	18.18	20.5	0.0	
100	16QAM	1	1	18.07	18.28	18.12	20.5	0.0	
100	256QAM	1	1	17.86	17.81	17.88	19.5	1.5	
Channel									
Frequency (MHz)				520500	518008	520500	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				520511	520522	520510	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	18.23	18.32	18.31	20.5	0.0	
Channel									
Frequency (MHz)				507204	518008	520500	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2042.02	2042.50	2042.00	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	18.22	18.30	18.18	20.5	0.0	
Channel									
Frequency (MHz)				508202	518008	520500	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2031.01	2032.50	2035	Time-up (ms) (dBm)	MTR (dB)	
70	QPSK	1	1	18.22	18.32	18.30	20.5	0.0	
Channel									
Frequency (MHz)				505200	518008	520500	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2036.01	2032.50	2035.00	Time-up (ms) (dBm)	MTR (dB)	
60	QPSK	1	1	18.22	18.22	18.23	20.5	0.0	
Channel									
Frequency (MHz)				520511	520522	520510	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2031.02	2032.50	2034.99	Time-up (ms) (dBm)	MTR (dB)	
50	QPSK	1	1	18.12	18.12	18.11	20.5	0.0	
Channel									
Frequency (MHz)				520500	518008	520500	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2036.01	2032.50	2035	Time-up (ms) (dBm)	MTR (dB)	
40	QPSK	1	1	18.07	18.20	18.16	20.5	0.0	

n7 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2025	2030	2045			
50	P12 BPSK	1	1	20.79	20.84	20.90	21.5	0.0	
50	P12 BPSK	1	136	20.73	20.80	20.87			
50	P12 BPSK	1	268	20.72	20.80	20.90			
50	P12 BPSK	136	0	20.75	20.85	20.84	21.5	0.0	
50	P12 BPSK	136	68	20.81	20.89	20.73	21.5	0.0	
50	P12 BPSK	136	136	20.83	20.88	20.86	21.5	0.0	
50	P12 BPSK	272	0	20.87	20.87	20.73			
50	QPSK	1	1	20.87	21.02	20.94			
50	QPSK	1	136	20.75	20.85	20.73	21.5	0.0	
50	QPSK	1	268	20.86	20.82	20.74			
50	QPSK	136	0	20.78	21.00	20.73			
50	QPSK	136	68	20.79	20.89	20.84	21.5	0.0	
50	QPSK	136	136	20.86	20.86	20.79	21.5	0.0	
50	QPSK	272	0	20.86	20.86	20.77	21.5	0.0	
50	16QAM	1	1	20.81	21.07	20.75			
50	64QAM	1	1	20.79	20.82	20.87			
50	256QAM	1	1	18.14	18.35	18.30	20.5	1.5	
Channel									
Frequency (MHz)				504500	507000	510000	Time-up limit	MPR	
				504500	507000	510000	limit	dBm	
40	QPSK	1	1	20.68	20.80	20.96	21.5	0.0	
Channel									
Frequency (MHz)				503000	507000	511000	Time-up limit	MPR	
				503000	506000	510000	limit	dBm	
30	QPSK	1	1	20.80	20.82	20.86	21.5	0.0	
Channel									
Frequency (MHz)				505000	507000	511000	Time-up limit	MPR	
				505000	507000	507.5	limit	dBm	
25	QPSK	1	1	20.79	20.80	20.84	21.5	0.0	
Channel									
Frequency (MHz)				506000	507000	510000	Time-up limit	MPR	
				506000	507000	508.0	limit	dBm	
20	P12 BPSK	1	1	20.78	21.01	20.79	21.5	0.0	
Channel									
Frequency (MHz)				507000	507000	510000	Time-up limit	MPR	
				507000	507000	508.5	limit	dBm	
15	QPSK	1	1	20.74	20.87	20.88	21.5	0.0	
Channel									
Frequency (MHz)				505000	507000	510000	Time-up limit	MPR	
				505000	507000	509.0	limit	dBm	
10	QPSK	1	1	20.76	20.83	20.85	21.5	0.0	
Channel									
Frequency (MHz)				506000	507000	510000	Time-up limit	MPR	
				506000	507000	509.5	limit	dBm	
5	QPSK	1	1	20.71	20.81	20.83	21.5	0.0	

n66 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				1730	1740	1760			
40	P12 BPSK	1	1	22.35	22.40	22.33	23.5	0.0	
40	P12 BPSK	1	108	22.31	22.35	22.29			
40	P12 BPSK	1	214	22.34	22.35	22.19			
40	P12 BPSK	108	0	22.23	22.24	22.13	23.5	0.0	
40	P12 BPSK	108	54	22.25	22.40	22.13	23.5	0.0	
40	P12 BPSK	108	108	22.18	22.27	22.26	23.5	0.0	
40	P12 BPSK	216	0	22.38	22.45	22.15			
40	QPSK	1	1	22.39	22.45	22.29			
40	QPSK	1	108	22.26	22.44	22.35	23.5	0.0	
40	QPSK	1	214	22.22	22.44	22.25			
40	QPSK	108	0	22.31	22.42	22.28			
40	QPSK	108	54	22.38	22.39	22.35	23.5	0.0	
40	QPSK	108	108	22.34	22.34	22.08	23.5	0.0	
40	QPSK	216	0	22.31	22.45	22.36	23.5	0.0	
40	16QAM	1	1	22.23	22.33	22.08			
40	64QAM	1	1	20.91	20.71	20.75	22.0	1.5	
40	256QAM	1	1	18.15	18.61	18.80	20.5	3.5	
Channel									
				345000	349000	353000	Time-up limit	MPR	
Frequency (MHz)				345000	348000	353000	limit	dBm	
30	QPSK	1	1	22.35	22.45	22.16	23.5	0.0	
Channel									
				344000	349000	356000	Time-up limit	MPR	
Frequency (MHz)				344000	348000	356000	limit	dBm	
30	QPSK	1	1	22.37	22.37	22.36	23.5	0.0	
Channel									
				345000	349000	354000	Time-up limit	MPR	
Frequency (MHz)				345000	349000	354000	limit	dBm	
15	QPSK	1	1	22.23	22.38	22.27	23.5	0.0	
Channel									
				345000	349000	354000	Time-up limit	MPR	
Frequency (MHz)				345000	349000	354000	limit	dBm	
10	QPSK	1	1	22.36	22.46	22.23	23.5	0.0	
Channel									
				345000	349000	354000	Time-up limit	MPR	
Frequency (MHz)				345000	349000	354000	limit	dBm	
5	QPSK	1	1	22.39	22.50	22.19	23.5	0.0	

n38 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Time-up (ms)	MTR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	20.14	21.05	20.70	21.5	0.0	
40	P12 BPSK	1	53	20.30	20.50	20.88			
40	P12 BPSK	1	104	20.34	21.01	20.92			
40	P12 BPSK	50	0	20.81	20.50	20.71	21.5	0.0	
40	P12 BPSK	50	28	20.79	20.94	20.83	21.5	0.0	
40	P12 BPSK	50	56	20.55	20.92	20.72	21.5	0.0	
40	P12 BPSK	100	0	20.59	21.07	20.88			
40	QPSK	1	1	20.98	21.10	20.91			
40	QPSK	1	53	20.78	20.94	20.91	21.5	0.0	
40	QPSK	1	104	20.95	21.02	20.78			
40	QPSK	50	0	20.90	20.85	20.78	21.5	0.0	
40	QPSK	50	28	20.83	21.00	20.83	21.5	0.0	
40	QPSK	50	56	20.79	20.92	20.72	21.5	0.0	
40	QPSK	100	0	20.85	20.95	20.85	21.5	0.0	
40	16QAM	1	1	20.70	20.95	20.85			
40	64QAM	1	1	20.83	21.04	20.72			
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.15	20.62	20.61	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.98	20.95	20.77	21.5	0.0	

n41 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	21.11	21.04	21.02	21.5	0.0	
100	P12 BPSK	1	137	20.97	21.08	20.98			
100	P12 BPSK	1	271	21.11	21.00	20.88			
100	P12 BPSK	136	0	20.89	20.95	21.04	21.5	0.0	
100	P12 BPSK	136	68	21.07	20.90	20.88	21.5	0.0	
100	P12 BPSK	136	136	21.07	21.12	20.89	21.5	0.0	
100	P12 BPSK	270	0	20.98	20.95	20.91			
100	QPSK	1	1	21.10	21.14	21.05			
100	QPSK	1	137	21.07	21.01	20.90	21.5	0.0	
100	QPSK	1	271	21.05	21.10	20.98			
100	QPSK	136	0	20.98	20.95	20.88	21.5	0.0	
100	QPSK	136	68	20.90	21.00	21.01	21.5	0.0	
100	QPSK	136	136	20.93	20.90	20.92	21.5	0.0	
100	QPSK	270	0	20.94	20.95	20.95	21.5	0.0	
100	16QAM	1	1	21.07	21.05	21.06			
100	64QAM	1	1	20.74	20.80	20.80			
100	256QAM	1	1	19.83	19.85	19.84	20.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.03	21.13	21.06	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.05	21.00	21.05	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.93	21.00	21.02	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.12	21.00	20.87	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.00	21.07	20.88	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.09	21.00	21.06	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.19	21.00	21.05	21.5	0.0	

Par270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	15.84	15.80	15.84	-	17.5	0.0
100	P12 BPSK	1	137	15.81	15.80	15.84	-	17.5	0.0
100	P12 BPSK	1	271	15.88	15.71	15.84	-	17.5	0.0
100	P12 BPSK	136	0	15.51	15.81	15.84	-	17.5	0.0
100	P12 BPSK	136	66	15.54	15.83	15.74	-	17.5	0.0
100	P12 BPSK	136	136	15.70	15.86	15.82	-	17.5	0.0
100	P12 BPSK	270	0	15.09	15.59	15.07	-	17.5	0.0
100	QPSK	1	1	15.73	15.70	15.87	-	17.5	0.0
100	QPSK	1	137	15.84	15.71	15.53	-	17.5	0.0
100	QPSK	1	271	15.82	15.50	15.88	-	17.5	0.0
100	QPSK	136	0	15.80	15.81	15.84	-	17.5	0.0
100	QPSK	136	66	15.58	15.80	15.55	-	17.5	0.0
100	QPSK	136	136	15.82	15.54	15.52	-	17.5	0.0
100	QPSK	270	0	15.56	15.50	15.46	-	17.5	0.0
100	16QAM	1	1	15.53	15.53	15.58	-	17.5	0.0
100	256QAM	1	1	15.60	15.64	15.58	-	17.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.52	15.70	15.81	-	17.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.54	15.73	15.84	-	17.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.58	15.64	15.59	-	17.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.69	15.60	15.54	-	17.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.88	15.63	15.58	-	17.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.72	15.63	15.88	-	17.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.18	15.63	15.18	-	17.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.14	15.77	15.88	-	17.5	0.0

Part27Q n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1		15.87		-	17.5	0.0
100	P12 BPSK	1	137		15.48		-	17.5	0.0
100	P12 BPSK	1	271		15.52		-	17.5	0.0
100	P12 BPSK	136	0		15.52		-	17.5	0.0
100	P12 BPSK	136	66		15.65		-	17.5	0.0
100	P12 BPSK	136	136		15.84		-	17.5	0.0
100	P12 BPSK	270	0		15.05		-	17.5	0.0
100	QPSK	1	1		15.77		-	17.5	0.0
100	QPSK	1	137		15.84		-	17.5	0.0
100	QPSK	1	271		15.82		-	17.5	0.0
100	QPSK	136	0		15.58		-	17.5	0.0
100	QPSK	136	66		15.80		-	17.5	0.0
100	QPSK	136	136		15.80		-	17.5	0.0
100	QPSK	270	0		15.52		-	17.5	0.0
100	16QAM	1	1		15.60		-	17.5	0.0
100	256QAM	1	1		15.68		-	17.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1		15.75		-	17.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.55		-	17.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		15.58		-	17.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		15.73		-	17.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		15.59		-	17.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		15.17		-	17.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		15.13		-	17.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		15.15		-	17.5	0.0

Part27O n78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	3750	3750	3750		17.0	0.0
100	P12 BPSK	1	137		15.48			17.0	0.0
100	P12 BPSK	1	271		15.31			17.0	0.0
100	P12 BPSK	136	0		15.45			17.0	0.0
100	P12 BPSK	136	66		15.50			17.0	0.0
100	P12 BPSK	136	136		15.32			17.0	0.0
100	P12 BPSK	270	0		15.47			17.0	0.0
100	QPSK	1	1		15.58			17.0	0.0
100	QPSK	1	137		15.45			17.0	0.0
100	QPSK	1	271		15.38			17.0	0.0
100	QPSK	136	0		15.36			17.0	0.0
100	QPSK	136	66		15.50			17.0	0.0
100	QPSK	136	136		15.50			17.0	0.0
100	QPSK	270	0		15.45			17.0	0.0
100	16QAM	1	1		15.41			17.0	0.0
100	256QAM	1	1		15.51			17.0	0.0
100	256QAM	1	1		15.41			17.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	491668	491668	492034	Time-up limit (dBm)	MTR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.43	15.46	15.41	17.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.33	15.44	15.28	17.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.10	15.30	15.20	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.37	15.39	15.31	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.41	15.38	15.41	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.54	15.33	15.33	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.23	15.30	15.32	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.724	15.08	15.062	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	16.25	15.48	15.41	17.0	0.0	

Part27Q 78 PC2 Ant9								
BW (MHz)	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)				3500.91				
100	PSS-BPSK	1	1		15.29			
100	PSS-BPSK	1	137		15.32		17.0	0.0
100	PSS-BPSK	1	271		15.21			
100	PSS-BPSK	135	0		15.43		17.0	0.0
100	PSS-BPSK	135	66		15.30		17.0	0.0
100	PSS-BPSK	135	138		15.32		17.0	0.0
100	PSS-BPSK	270	0		15.35		17.0	0.0
100	QPSK	1	1		15.33			
100	QPSK	1	137		15.29		17.0	0.0
100	QPSK	1	271		15.36			
100	QPSK	135	0		15.35			
100	QPSK	135	66		15.31		17.0	0.0
100	QPSK	135	138		15.19		17.0	0.0
100	QPSK	270	0		15.27		17.0	0.0
100	16QAM	1	1		15.34		17.0	0.0
100	16QAM	1	1		15.32		17.0	0.0
100	256QAM	1	1		15.41		17.0	0.0
Channel				633500		633534	633568	Tune-up limit (dB)
Frequency (MHz)				3500.91		3500.92	3500.92	MPR
50	QPSK	1	1	15.41	15.32	15.40	17.0	0.0
Channel				633568		633594	634038	Tune-up limit (dB)
Frequency (MHz)				3500.92		3500.91	3500.91	MPR
80	QPSK	1	1	15.44	15.34	15.38	17.0	0.0
Channel				633534		633594	634334	Tune-up limit (dB)
Frequency (MHz)				3500.91		3500.91	3515.91	MPR
70	QPSK	1	1	15.38	15.44	15.39	17.0	0.0
Channel				633500		633534	634038	Tune-up limit (dB)
Frequency (MHz)				3499.9999		3500.91	3500.92	MPR
80	QPSK	1	1	15.32	15.43	15.26	17.0	0.0
Channel				633500		633534	633568	Tune-up limit (dB)
Frequency (MHz)				3475.02		3500.91	3520.91	MPR
50	QPSK	1	1	15.24	15.48	15.41	17.0	0.0
Channel				633534		633568	633594	Tune-up limit (dB)
Frequency (MHz)				3470.01		3500.91	3530.91	MPR
40	QPSK	1	1	15.44	15.29	15.24	17.0	0.0
Channel				633500		633534	633568	Tune-up limit (dB)
Frequency (MHz)				3465.00		3500.91	3535.92	MPR
30	QPSK	1	1	15.39	15.39	15.32	17.0	0.0
Channel				633568		633594	634038	Tune-up limit (dB)
Frequency (MHz)				3460.00		3500.91	3540.91	MPR
20	QPSK	1	1	15.29	15.32	15.26	17.0	0.0



Par270 n77 PC3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.66	17.84	17.47	-	-	-
100	P12 BPSK	1	137	17.65	17.84	17.88	-	19.0	0.0
100	P12 BPSK	1	271	17.47	17.87	17.40	-	-	-
100	P12 BPSK	136	0	17.70	17.81	17.60	-	19.0	0.0
100	P12 BPSK	136	66	17.61	17.73	17.39	-	19.0	0.0
100	P12 BPSK	136	136	17.56	17.66	17.56	-	-	-
100	P12 BPSK	236	0	17.54	17.65	17.47	-	19.0	0.0
100	QPSK	1	1	17.69	17.86	17.81	-	-	-
100	QPSK	1	137	17.62	17.85	17.86	-	19.0	0.0
100	QPSK	1	271	17.50	17.76	17.54	-	-	-
100	QPSK	136	0	17.56	17.86	17.80	-	19.0	0.0
100	QPSK	136	69	17.51	17.80	17.55	-	19.0	0.0
100	QPSK	136	136	17.54	17.78	17.52	-	19.0	0.0
100	QPSK	270	0	17.44	17.70	17.56	-	-	-
100	16QAM	1	1	17.68	17.85	17.45	-	19.0	0.0
100	64QAM	1	1	17.63	17.86	17.42	-	19.0	0.0
100	256QAM	1	1	17.65	17.83	17.49	-	19.0	0.0
Channel									
Frequency (MHz)				647668	656006	662434	Time-up limit (dBm)	MTR	
90	QPSK	1	1	17.59	17.80	17.82	-	19.0	0.0
Channel									
Frequency (MHz)				649334	656006	662668	Time-up limit (dBm)	MTR	
80	QPSK	1	1	17.50	17.80	17.80	-	19.0	0.0
Channel									
Frequency (MHz)				650900	656006	663000	Time-up limit (dBm)	MTR	
70	QPSK	1	1	17.52	17.78	17.42	-	19.0	0.0
Channel									
Frequency (MHz)				652466	656006	663514	Time-up limit (dBm)	MTR	
60	QPSK	1	1	17.53	17.73	17.56	-	19.0	0.0
Channel									
Frequency (MHz)				654032	656006	664032	Time-up limit (dBm)	MTR	
50	QPSK	1	1	17.55	17.65	17.65	-	19.0	0.0
Channel									
Frequency (MHz)				655598	656006	664598	Time-up limit (dBm)	MTR	
40	QPSK	1	1	17.54	17.60	17.44	-	19.0	0.0
Channel									
Frequency (MHz)				657164	656006	664834	Time-up limit (dBm)	MTR	
30	QPSK	1	1	17.63	17.63	17.63	-	19.0	0.0
Channel									
Frequency (MHz)				658730	656006	664866	Time-up limit (dBm)	MTR	
20	QPSK	1	1	17.64	17.78	17.56	-	19.0	0.0

Part270Q n77 PC3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	17.45	17.83	17.60	-	-	-
100	P12 BPSK	1	137	17.57	17.82	17.82	-	19.0	0.0
100	P12 BPSK	1	271	17.62	17.82	17.62	-	-	-
100	P12 BPSK	136	0	17.61	17.81	17.61	-	19.0	0.0
100	P12 BPSK	136	66	17.47	17.82	17.47	-	19.0	0.0
100	P12 BPSK	136	136	17.50	17.82	17.50	-	19.0	0.0
100	P12 BPSK	236	0	17.63	17.82	17.63	-	19.0	0.0
100	QPSK	1	1	17.68	17.85	17.85	-	19.0	0.0
100	QPSK	1	137	17.60	17.85	17.85	-	19.0	0.0
100	QPSK	1	271	17.57	17.87	17.57	-	-	-
100	QPSK	136	0	17.55	17.85	17.85	-	19.0	0.0
100	QPSK	136	69	17.52	17.85	17.52	-	19.0	0.0
100	QPSK	136	136	17.49	17.85	17.49	-	19.0	0.0
100	QPSK	270	0	17.44	17.85	17.44	-	19.0	0.0
100	16QAM	1	1	17.65	17.85	17.55	-	19.0	0.0
100	16QAM	1	1	17.60	17.85	17.40	-	19.0	0.0
100	256QAM	1	1	17.44	17.85	17.51	-	19.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.55	17.50	17.47	-	19.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.62	17.55	17.52	-	19.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.59	17.50	17.44	-	19.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.45	17.55	17.63	-	19.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.51	17.45	17.51	-	19.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.55	17.45	17.50	-	19.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.60	17.48	17.42	-	19.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.55	17.65	17.59	-	19.0	0.0

Part270 n78 PC2&3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	18.41	18.41	18.41	-	-	-
100	P12 BPSK	1	137	18.32	18.32	18.32	-	19.0	0.0
100	P12 BPSK	1	271	18.40	18.40	18.40	-	-	-
100	P12 BPSK	136	0	18.30	18.30	18.30	-	19.0	0.0
100	P12 BPSK	136	66	18.52	18.52	18.52	-	19.0	0.0
100	P12 BPSK	136	136	18.40	18.40	18.40	-	19.0	0.0
100	P12 BPSK	236	0	18.35	18.35	18.35	-	19.0	0.0
100	QPSK	1	1	18.43	18.43	18.43	-	19.0	0.0
100	QPSK	1	137	18.31	18.31	18.31	-	19.0	0.0
100	QPSK	1	271	18.26	18.26	18.26	-	-	-
100	QPSK	136	0	18.40	18.40	18.40	-	19.0	0.0
100	QPSK	136	69	18.41	18.41	18.41	-	19.0	0.0
100	QPSK	136	136	18.25	18.25	18.25	-	19.0	0.0
100	QPSK	270	0	18.26	18.26	18.26	-	19.0	0.0
100	16QAM	1	1	18.37	18.37	18.37	-	19.0	0.0
100	256QAM	1	1	18.42	18.42	18.42	-	19.0	0.0
100	256QAM	1	1	18.25	18.25	18.25	-	19.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.31	18.30	18.30	-	19.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.14	18.15	18.15	-	19.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.23	18.18	18.19	-	19.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.25	18.18	18.16	-	19.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.26	18.24	18.31	-	19.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.19	18.20	18.16	-	19.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.16	18.17	18.17	-	19.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.25	18.19	18.26	-	19.0	0.0

Part27Q 78 PC2&3 Ant10									
BW (MHz)	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		3500151	19.0	0.0	
Frequency (MHz)				18.29					
100	PSS-BPSK	1	1	18.27					
100	PSS-BPSK	1	137	18.32					
100	PSS-BPSK	1	271	18.32					
100	PSS-BPSK	135	0	18.31				0.0	
100	PSS-BPSK	135	66	18.38				0.0	
100	PSS-BPSK	135	138	18.38				0.0	
100	PSS-BPSK	270	0	18.34				0.0	
100	QPSK	1	1	18.47			19.0	0.0	
100	QPSK	1	137	18.42					
100	QPSK	1	271	18.26					
100	QPSK	135	0	18.42				0.0	
100	QPSK	135	66	18.44				0.0	
100	QPSK	135	138	18.34				0.0	
100	QPSK	270	0	18.27				0.0	
100	16QAM	1	1	18.34				0.0	
100	64QAM	1	1	18.41				0.0	
100	256QAM	1	1	18.27				0.0	
Channel				633500		633334	19.0	MPR	
Frequency (MHz)				18.35		18.29111			
50	QPSK	1	1	18.35		18.26			
Channel				633666		633334	19.0	MPR	
Frequency (MHz)				18.0100		18.011			
80	QPSK	1	1	18.19		18.21			
Channel				633334		634334	19.0	MPR	
Frequency (MHz)				18.511		18.511			
70	QPSK	1	1	18.22		18.34			
Channel				633500		633334	19.0	MPR	
Frequency (MHz)				18.00		18.00151			
80	QPSK	1	1	18.20		18.42			
Channel				633500		633334	19.0	MPR	
Frequency (MHz)				18.011		18.011			
50	QPSK	1	1	18.30		18.29			
Channel				633334		633334	19.0	MPR	
Frequency (MHz)				18.27		18.36			
40	QPSK	1	1	18.27		18.36		0.0	
Channel				633500		633334	19.0	MPR	
Frequency (MHz)				18.00		18.00151			
30	QPSK	1	1	18.22		18.39		0.0	
Channel				633666		633334	19.0	MPR	
Frequency (MHz)				18.010		18.011			
20	QPSK	1	1	18.20		18.41		0.0	

Par270 n77 PC3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				3750	3840	3930			
100	P12 BPSK	1	1	18.59	19.07	19.10			
100	P12 BPSK	1	137	19.01	19.08	19.12	-20.5	0.0	
100	P12 BPSK	1	271	18.95	18.98	18.99			
100	P12 BPSK	136	0	19.02	19.03	19.02	-20.5	0.0	
100	P12 BPSK	136	66	18.89	19.14	19.13	-20.5	0.0	
100	P12 BPSK	136	138	18.92	19.05	19.14			
100	P12 BPSK	236	0	18.95	19.05	19.05	-20.5	0.0	
100	QPSK	1	1	19.02	19.02	19.19			
100	QPSK	1	137	18.93	19.10	19.12	-20.5	0.0	
100	QPSK	1	271	18.97	19.04	19.11			
100	QPSK	136	0	18.85	19.11	19.07	-20.5	0.0	
100	QPSK	136	69	19.02	19.20	19.16	-20.5	0.0	
100	QPSK	136	138	18.91	19.14	19.10	-20.5	0.0	
100	QPSK	236	0	18.95	19.06	19.02			
100	16QAM	1	1	19.03	19.08	19.09	-20.5	0.0	
100	256QAM	1	1	18.91	19.03	19.01	-20.5	0.0	
Channel									
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MTR (dB)	
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MTR (dB)	
90	QPSK	1	1	18.97	19.15	19.17	-20.5	0.0	
Channel									
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MTR (dB)	
80	QPSK	1	1	19.00	19.19	19.08	-20.5	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MTR (dB)	
70	QPSK	1	1	18.99	19.20	19.09	-20.5	0.0	
Channel									
Frequency (MHz)				3750.02	3840	3930.01	Tune-up limit (dBm)	MTR (dB)	
60	QPSK	1	1	18.98	19.17	19.11	-20.5	0.0	
Channel									
Frequency (MHz)				3726.01	3840	3930.02	Tune-up limit (dBm)	MTR (dB)	
50	QPSK	1	1	18.94	19.10	19.10	-20.5	0.0	
Channel									
Frequency (MHz)				3720	3840	3930	Tune-up limit (dBm)	MTR (dB)	
40	QPSK	1	1	18.99	19.00	19.07	-20.5	0.0	
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MTR (dB)	
30	QPSK	1	1	18.99	19.18	19.20	-20.5	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MTR (dB)	
20	QPSK	1	1	19.01	19.15	19.26	-20.5	0.0	

Part27Q n77 PC3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)					639000				
100	P12 BPSK	1	1		19.20				
100	P12 BPSK	1	137		19.04		-20.5	0.0	
100	P12 BPSK	1	271		19.15				
100	P12 BPSK	136	0		19.12				
100	P12 BPSK	136	66		19.13		-20.5	0.0	
100	P12 BPSK	136	138		19.17				
100	P12 BPSK	236	0		19.05		-20.5	0.0	
100	QPSK	1	1		19.21		-20.5	0.0	
100	QPSK	1	137		19.23				
100	QPSK	1	271		19.23				
100	QPSK	136	0		19.03		-20.5	0.0	
100	QPSK	136	69		19.10				
100	QPSK	136	138		19.17		-20.5	0.0	
100	QPSK	236	0		19.10		-20.5	0.0	
100	16QAM	1	1		19.20		-20.5	0.0	
100	256QAM	1	1		19.20		-20.5	0.0	
100	4096QAM	1	1		17.41		-20.0	1.5	
Channel									
Frequency (MHz)				639000	639334	639668	Tune-up limit (dBm)	MTR (dB)	
90	QPSK	1	1	19.16	19.14	19.16	-20.5	0.0	
Channel									
Frequency (MHz)				639668	639334	639000	Tune-up limit (dBm)	MTR (dB)	
80	QPSK	1	1	19.19	19.19	19.19	-20.5	0.0	
Channel									
Frequency (MHz)				639334	639334	639334	Tune-up limit (dBm)	MTR (dB)	
70	QPSK	1	1	19.04	19.19	19.08	-20.5	0.0	
Channel									
Frequency (MHz)				639000	639334	639668	Tune-up limit (dBm)	MTR (dB)	
60	QPSK	1	1	19.14	19.10	19.04	-20.5	0.0	
Channel									
Frequency (MHz)				3750.02	3840	3930.02	Tune-up limit (dBm)	MTR (dB)	
50	QPSK	1	1	19.11	19.21	19.08	-20.5	0.0	
Channel									
Frequency (MHz)				3726.01	3840	3930.01	Tune-up limit (dBm)	MTR (dB)	
40	QPSK	1	1	19.10	19.17	19.16	-20.5	0.0	
Channel									
Frequency (MHz)				639000	639334	639668	Tune-up limit (dBm)	MTR (dB)	
30	QPSK	1	1	19.14	19.08	19.16	-20.5	0.0	
Channel									
Frequency (MHz)				639668	639334	639000	Tune-up limit (dBm)	MTR (dB)	
20	QPSK	1	1	19.20	19.12	19.07	-20.5	0.0	

Part270 n78 PC2&3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		19.68				
100	P12 BPSK	1	137		19.80		-21.0	0.0	
100	P12 BPSK	1	271		19.79				
100	P12 BPSK	136	0		19.60		-21.0	0.0	
100	P12 BPSK	136	66		19.73		-21.0	0.0	
100	P12 BPSK	136	138		19.66		-21.0	0.0	
100	P12 BPSK	236	0		19.65		-21.0	0.0	
100	QPSK	1	1		19.82		-21.0	0.0	
100	QPSK	1	137		19.82				
100	QPSK	1	271		19.87				
100	QPSK	136	0		19.63		-21.0	0.0	
100	QPSK	136	68		19.80		-21.0	0.0	
100	QPSK	136	138		19.78		-21.0	0.0	
100	QPSK	236	0		19.70		-21.0	0.0	
100	16QAM	1	1		19.87		-21.0	0.0	
100	256QAM	1	1		18.70		-20.5	0.5	
Channel									
Frequency (MHz)				649668	650000	650294	Tune-up limit (dBm)	MTR (dB)	
90	QPSK	1	1	19.73	19.77	19.87	-21.0	0.0	
Channel									
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MTR (dB)	
80	QPSK	1	1	19.69	19.72	19.88	-21.0	0.0	
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MTR (dB)	
70	QPSK	1	1	19.63	19.79	19.80	-21.0	0.0	
Channel									
Frequency (MHz)				3750.02	3750	3750.01	Tune-up limit (dBm)	MTR (dB)	
60	QPSK	1	1	19.58	19.68	19.85	-21.0	0.0	
Channel									
Frequency (MHz)				3726.01	3750	3750.02	Tune-up limit (dBm)	MTR (dB)	
50	QPSK	1	1	19.57	19.67	19.77	-21.0	0.0	
Channel									
Frequency (MHz)				3720	3750	3930	Tune-up limit (dBm)	MTR (dB)	
40	QPSK	1	1	19.61	19.67	19.86	-21.0	0.0	
Channel									
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MTR (dB)	
30	QPSK	1	1	19.69	19.63	19.82	-21.0	0.0	
Channel									
Frequency (MHz)				647334	650000	652668	Tune-up limit (dBm)	MTR (dB)	
20	QPSK	1	1	19.65	19.60	19.79	-21.0	0.0	

Part27Q 78 PC3 Ant11							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334			
Frequency (MHz)				3500.51			
100	PSS-BPSK	1	1		19.69		21.0
100	PSS-BPSK	1	137		19.54		
100	PSS-BPSK	1	271		19.63		
100	PSS-BPSK	135	0		19.52		21.0
100	PSS-BPSK	135	66		19.52		
100	PSS-BPSK	135	135		19.61		
100	PSS-BPSK	270	0		19.46		21.0
100	QPSK	1	1		19.72		21.0
100	QPSK	1	137		19.51		
100	QPSK	1	271		19.63		
100	QPSK	135	0		19.62		21.0
100	QPSK	135	66		19.70		
100	QPSK	135	135		19.59		
100	QPSK	270	0		19.53		21.0
100	16QAM	1	1		19.50		21.0
100	16QAM	1	1		19.58		21.0
100	256QAM	1	1		19.59		21.5
Channel				635000	633334	633668	Tune-up limit (dB)
Frequency (MHz)				3470	3500.51	3530.52	
50	QPSK	1	1	19.54	19.60	19.51	21.0
Channel				635668	633334	634000	Tune-up limit (dB)
Frequency (MHz)				3490.00	3500.51	3510	
80	QPSK	1	1	19.59	19.67	19.59	21.0
Channel				636334	633334	634334	Tune-up limit (dB)
Frequency (MHz)				3495.51	3500.51	3515.51	
70	QPSK	1	1	19.54	19.62	19.62	21.0
Channel				636668	633334	634668	Tune-up limit (dB)
Frequency (MHz)				3490	3500.51	3505.00	
60	QPSK	1	1	19.69	19.51	19.48	21.0
Channel				637334	633334	635334	Tune-up limit (dB)
Frequency (MHz)				3475.02	3500.51	3525	
50	QPSK	1	1	19.63	19.50	19.60	21.0
Channel				637500	633334	635500	Tune-up limit (dB)
Frequency (MHz)				3470.00	3500.51	3530.01	
40	QPSK	1	1	19.49	19.63	19.53	21.0
Channel				631000	633334	635668	Tune-up limit (dB)
Frequency (MHz)				3460	3500.51	3519.02	
30	QPSK	1	1	19.63	19.51	19.54	21.0
Channel				635668	633334	636000	Tune-up limit (dB)
Frequency (MHz)				3495.00	3500.51	3505	
20	QPSK	1	1	19.55	19.62	19.40	21.0



n5 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPR [dB]
Channel									
Frequency [MHz]									
20	PIC BPSK	1	1	24.48	24.52	24.53			0.0
20	PIC BPSK	1	53	24.37	24.41	24.24	25.5		0.0
20	PIC BPSK	1	104	24.26	24.40	24.33			0.0
20	PIC BPSK	50	5	24.17	24.08	24.08	25.0	0.5	
20	PIC BPSK	50	28	24.13	23.99	23.98	25.5	0.0	
20	PIC BPSK	50	55	24.21	24.34	24.29			0.5
20	PIC BPSK	100	0	23.85	23.53	23.53	25.0		0.5
20	QPSK	1	1	24.44	24.50	24.53			0.0
20	QPSK	1	53	24.37	24.50	24.48	25.5	0.0	
20	QPSK	1	104	24.46	24.52	24.38			0.0
20	QPSK	50	0	23.40	23.53	23.62	24.5	1.0	
20	QPSK	50	26	23.57	23.67	23.58	25.0	0.8	
20	QPSK	50	50	23.67	23.85	23.58			1.0
20	QPSK	100	0	22.55	22.60	22.55	24.5	1.0	
20	ISQAM	1	1	23.50	23.40	23.50	24.0	1.0	
20	ISQAM	1	1	22.25	22.17	22.15	23.0	1.5	
20	ISQAM	1	1	20.12	20.04	20.16	21.0	4.5	
Channel									
15	QPSK	1	1	24.40	24.60	24.47	25.5	0.0	
Channel									
10	QPSK	1	1	24.46	24.50	24.54	25.5	0.0	
Channel									
5	QPSK	1	1	24.42	24.67	24.40	25.5	0.0	

DS14									
n7 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	MPR [dB]
Channel				505000	507000	506000			
Frequency [MHz]									
50	PIC BPSK	1	1	22.12	22.18	22.09			0.0
50	PIC BPSK	1	135	22.07	22.13	22.02	24.0		0.0
50	PIC BPSK	1	266	22.01	22.11	22.17			0.0
50	PIC BPSK	136	5	21.87	21.73	21.84	23.0	0.5	
50	PIC BPSK	136	48	22.08	22.23	22.08	24.0	0.0	
50	PIC BPSK	136	135	21.84	21.79	21.88			0.5
50	PIC BPSK	270	0	21.68	21.78	21.84	23.5		0.5
50	QPSK	1	1	22.16	22.09	22.02			0.0
50	QPSK	1	135	22.05	22.15	22.02	24.0	0.0	
50	QPSK	1	266	22.03	22.12	22.05			0.0
50	QPSK	136	0	21.07	21.13	21.11	23.0	1.0	
50	QPSK	136	48	22.07	22.17	22.01	24.0	0.6	
50	QPSK	136	135	20.81	20.91	20.80			1.0
50	QPSK	270	0	20.90	21.00	20.88	23.0	1.0	
50	ISQAM	1	1	21.14	21.20	21.16	23.0	1.0	
50	ISQAM	1	1	19.76	19.67	19.70	21.0	1.5	
50	ISQAM	1	1	17.88	17.75	17.92	18.5	4.5	
Channel									
40	QPSK	1	1	21.84	22.11	21.86	24.0	0.0	
Channel									
30	QPSK	1	1	21.88	22.08	21.97	24.0	0.0	
Channel									
25	QPSK	1	1	21.83	22.13	21.94	24.0	0.0	
Channel									
20	QPSK	1	1	21.87	22.03	21.90	24.0	0.0	
Channel									
10	QPSK	1	1	21.87	22.05	21.96	24.0	0.0	
Channel									
5	QPSK	1	1	22.07	22.05	22.08	24.0	0.0	

n66 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Min [dBm]	Power Max [dBm]	Power Ch. Freq.	Power Ch. Freq.	Turn-up time [s]	MPR [dB]
Channel				345000	346000	345000			
Frequency [MHz]									
40	PIC BPSK	1	1	22.58	22.62	22.62			0.0
40	PIC BPSK	1	108	22.71	22.68	22.59	24.5		0.0
40	PIC BPSK	1	214	22.54	22.73	22.70			0.0
40	PIC BPSK	108	5	22.11	22.16	22.19	24.0	0.5	
40	PIC BPSK	108	54	22.87	22.82	22.83	24.5	0.0	
40	PIC BPSK	108	108	22.37	22.32	22.41			0.5
40	PIC BPSK	216	0	22.13	22.13	22.24	24.0		0.5
40	QPSK	1	1	22.58	22.72	22.72			0.0
40	QPSK	1	108	22.59	22.67	22.76	24.5	0.0	
40	QPSK	1	214	22.62	22.63	22.84			0.0
40	QPSK	108	0	21.70	21.64	21.77	23.5	1.0	
40	QPSK	108	54	22.85	22.88	22.83	24.5	0.8	
40	QPSK	108	108	21.83	21.84	21.86			1.0
40	QPSK	216	0	22.51	22.55	22.63	23.5	1.0	
40	ISQAM	1	1	21.65	21.58	21.63	23.0	1.0	
40	ISQAM	1	1	20.15	20.06	20.16	21.0	1.5	
40	ISQAM	1	1	18.07	18.00	18.10	19.0	4.5	
Channel				345000	346000	345000			
Frequency [MHz]									
30	QPSK	1	1	22.68	22.58	22.59	24.5	0.0	
Channel				345000	346000	345000			
Frequency [MHz]									
20	QPSK	1	1	22.58	22.70	22.80	24.5	0.0	
Channel				345000	346000	345000			
Frequency [MHz]									
15	QPSK	1	1	22.57	22.68	22.75	24.5	0.0	
Channel				345000	346000	345000			
Frequency [MHz]									
10	QPSK	1	1	22.54	22.70	22.75	24.5	0.0	
Channel				345000	346000	345000			
Frequency [MHz]									
5	QPSK	1	1	22.67	22.70	22.71	24.5	0.0	

n38 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel									
Frequency (MHz)				2160.02	2160	2160.98			
40	P12 BPSK	1	1	21.09	21.02	21.93			
40	P12 BPSK	1	93	21.83	21.80	21.79	23.5	0.0	
40	P12 BPSK	1	104	21.81	21.88	21.81			
40	P12 BPSK	30	0	21.42	21.43	21.43	23.0	0.5	
40	P12 BPSK	30	28	21.74	21.72	21.85	23.0	0.0	
40	P12 BPSK	30	66	21.52	21.62	21.54			
40	P12 BPSK	186	0	21.23	21.27	21.32	23.0	0.5	
40	QPSK	1	1	21.98	22.04	21.85			
40	QPSK	1	93	21.80	21.88	21.84	23.5	0.0	
40	QPSK	1	104	21.88	21.87	21.88			
40	QPSK	30	0	20.83	20.87	20.87	22.5	1.0	
40	QPSK	30	28	21.85	21.88	21.87	23.5	0.0	
40	QPSK	30	66	20.73	20.67	20.74	22.5	1.0	
40	QPSK	186	0	20.67	20.70	20.72			
40	8QAM	1	1	21.08	20.95	21.08	32.5	1.0	
40	8QAM	1	1	19.59	19.57	19.57	21.0	2.5	
40	25QAM	1	1	17.58	17.48	17.42	19.5	4.5	
Channel									
Frequency (MHz)				5170.02	5169.98	5169.98	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	22.01	22.01	22.01	23.5	0.0	
Channel									
Frequency (MHz)				5180.00	5180.00	5220.00	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	21.93	22.02	21.74	23.5	0.0	

n41 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Mid Ch. / Freq.	Power Mid Ch. / Freq.	Power Low Ch. / Freq.	Power-up limit (dBfs)	MTR (dB)	
Channel									
Frequency (MHz)				2146.01	2152.30	2145			
100	P12 BPSK	1	1	21.03	21.04	21.17			
100	P12 BPSK	1	137	21.09	21.83	21.73	23.5	0.0	
100	P12 BPSK	1	271	21.06	21.7	21.85			
100	P12 BPSK	136	0	21.31	21.23	21.22	23.0	0.5	
100	P12 BPSK	136	66	21.51	21.50	21.88	23.0	0.0	
100	P12 BPSK	136	138	21.61	21.60	21.80			
100	P12 BPSK	270	0	21.24	21.15	21.31	23.0	0.5	
100	QPSK	1	1	22.09	22.13	21.83			
100	QPSK	1	137	21.82	21.83	21.81	23.5	0.0	
100	QPSK	1	271	21.85	21.88	21.88			
100	QPSK	136	0	20.79	20.85	20.89	22.5	1.0	
100	QPSK	136	66	22.05	22.07	21.91	23.5	0.0	
100	QPSK	136	138	20.51	20.67	20.88	22.5	1.0	
100	QPSK	270	0	21.66	21.64	21.80			
100	25QAM	1	1	20.53	20.54	20.57	32.5	1.0	
100	8QAM	1	1	19.43	19.41	19.49	21.0	2.5	
100	25QAM	1	1	17.38	17.33	17.40	19.5	4.5	
Channel									
Frequency (MHz)				5090.00	5180.98	5280.98	Time-up limit (dBfs)	MTR (dB)	
90	QPSK	1	1	22.04	22.02	22.01	23.5	0.0	
Channel									
Frequency (MHz)				5072.04	5180.98	5280.98	Time-up limit (dBfs)	MTR (dB)	
80	QPSK	1	1	21.98	22.03	21.95	23.5	0.0	
Channel									
Frequency (MHz)				5080.02	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
70	QPSK	1	1	22.03	22.08	21.92	23.5	0.0	
Channel									
Frequency (MHz)				5050.00	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
60	QPSK	1	1	21.98	22.03	21.83	23.5	0.0	
Channel									
Frequency (MHz)				5120.00	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
50	QPSK	1	1	21.94	22.00	21.83	23.5	0.0	
Channel									
Frequency (MHz)				5136.01	5180.98	5310.98	Time-up limit (dBfs)	MTR (dB)	
40	QPSK	1	1	21.89	22.02	21.86	23.5	0.0	
Channel									
Frequency (MHz)				5020.00	5180.98	5360.98	Time-up limit (dBfs)	MTR (dB)	
30	QPSK	1	1	22.01	22.07	21.84	23.5	0.0	
Channel									
Frequency (MHz)				5012.04	5180.98	5360.98	Time-up limit (dBfs)	MTR (dB)	
20	QPSK	1	1	22.05	22.05	21.85	23.5	0.0	

Par270 n77 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBfs)	MTR (dB)	
Channel				3750	3690	3660			
Frequency (MHz)									
100	P12 BPSK	1	1	21.84	21.83	21.87			
100	P12 BPSK	1	137	21.80	21.85	21.53	23.5	0.0	
100	P12 BPSK	1	271	21.58	21.52	21.88			
100	P12 BPSK	136	0	21.45	21.50	21.51	23.0	0.5	
100	P12 BPSK	136	66	21.76	21.67	21.74	23.0	0.0	
100	P12 BPSK	136	138	21.59	21.74	21.88			
100	P12 BPSK	270	0	21.30	21.35	21.38	23.0	0.0	
100	QPSK	1	1	21.82	21.88	21.88			
100	QPSK	1	137	21.66	21.78	21.75	23.5	0.0	
100	QPSK	1	271	21.82	21.87	21.58			
100	QPSK	136	0	21.87	21.86	21.70	22.5	1.0	
100	QPSK	136	66	21.81	21.80	21.79	23.5	0.0	
100	QPSK	136	138	20.84	20.89	20.70	22.5	1.0	
100	QPSK	270	0	20.86	20.88	20.87			
100	8QAM	1	1	20.53	20.58	20.57	32.5	1.0	
100	8QAM	1	1	19.48	19.35	19.48	21.0	2.5	
100	25QAM	1	1	17.97	17.80	17.98	19.5	4.5	
Channel				8498.98	8598.98	8692.94	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
90	QPSK	1	1	21.84	21.80	21.81	23.5	0.0	
Channel				8493.94	8590.98	8698.98	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
80	QPSK	1	1	21.81	21.79	21.83	23.5	0.0	
Channel				8490.00	8590.98	8690.00	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
70	QPSK	1	1	21.81	21.74	21.57	23.5	0.0	
Channel				8490.98	8590.98	8693.94	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
60	QPSK	1	1	21.82	21.78	21.96	23.5	0.0	
Channel				8510.11	8590.98	8693.94	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
50	QPSK	1	1	21.88	21.91	21.80	23.5	0.0	
Channel				8490.00	8590.98	8690.00	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3752	3692	3662			
40	QPSK	1	1	21.89	21.90	21.86	23.5	0.0	
Channel				8478.98	8590.98	8693.94	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
30	QPSK	1	1	21.72	21.84	21.80	23.5	0.0	
Channel				8473.94	8590.98	8698.98	Time-up limit (dBfs)	MTR (dB)	
Frequency (MHz)				3751.31	3691.31	3661.31			
20	QPSK	1	1	21.84	21.78	21.87	23.5	0.0	

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Part270 n78 PC2 Ant0									
Set ID#	Modulation	RF Size	RF Chirp	CP Power [dBm]	Power [dBm]	CP Power [dBm]	Power [dBm]	Time-up [ms]	MPR [dB]
100	Channel Frequency (MHz)			31.000	31.000	31.000	31.000		
100	PC2 BPSK	1	1	23.75	23.75	23.75	23.75	25.0	0.0
100	PC2 BPSK	1	1	23.45	23.45	23.45	23.45	25.0	0.0
100	PC2 BPSK	1	271	22.87	22.87	22.87	22.87	24.0	0.0
100	PC2 BPSK	150	0	23.24	23.24	23.24	23.24	24.0	0.0
100	PC2 BPSK	150	150	23.45	23.45	23.45	23.45	24.0	0.0
100	PC2 BPSK	150	150	24.05	24.05	24.05	24.05	24.0	0.0
100	QPSK	1	1	23.45	23.45	23.45	23.45	25.0	0.0
100	QPSK	1	137	22.45	22.45	22.45	22.45	24.0	0.0
100	QPSK	1	211	22.45	22.45	22.45	22.45	24.0	0.0
100	QPSK	150	0	23.23	23.23	23.23	23.23	24.0	0.0
100	QPSK	150	150	23.45	23.45	23.45	23.45	24.0	0.0
100	QPSK	150	150	23.89	23.89	23.89	23.89	24.0	0.0
100	QPSK	420	0	23.50	23.50	23.50	23.50	24.0	0.0
100	16QAM	1	1	24.43	24.43	24.43	24.43	24.0	0.0
100	16QAM	1	1	20.77	20.77	20.77	20.77	22.5	2.5
100	16QAM	1	1	19.46	19.46	19.46	19.46	22.5	2.5
100	Channel Frequency (MHz)			60.000	60.000	60.000	60.000		MPR
100	PC2 BPSK	1	1	23.12	23.12	23.12	23.12	25.0	0.0
100	PC2 BPSK	1	1	23.45	23.45	23.45	23.45	25.0	0.0
100	Channel Frequency (MHz)			64.000	64.000	64.000	64.000		MPR
100	PC2 BPSK	1	1	23.19	23.19	23.19	23.19	25.0	0.0
100	PC2 BPSK	1	1	23.24	23.24	23.24	23.24	25.0	0.0
100	Channel Frequency (MHz)			64.000	64.000	64.000	64.000		MPR
100	QPSK	1	1	23.29	23.29	23.29	23.29	25.0	0.0
100	QPSK	1	1	23.29	23.29	23.29	23.29	25.0	0.0
100	Channel Frequency (MHz)			64.000	64.000	64.000	64.000		MPR
100	QPSK	1	1	23.29	23.29	23.29	23.29	25.0	0.0
100	QPSK	1	1	23.30	23.30	23.30	23.30	25.0	0.0
100	Channel Frequency (MHz)			72.000	72.000	72.000	72.000		MPR
100	QPSK	1	1	23.21	23.21	23.21	23.21	25.0	0.0
100	QPSK	1	1	23.21	23.21	23.21	23.21	25.0	0.0
100	Channel Frequency (MHz)			72.000	72.000	72.000	72.000		MPR
100	QPSK	1	1	23.22	23.22	23.22	23.22	25.0	0.0
100	QPSK	1	1	23.22	23.22	23.22	23.22	25.0	0.0
100	Channel Frequency (MHz)								

Part27Q 78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63334		3560.91			
Frequency [MHz]				21.29					
100	PSS-BPSK	1	1	21.29			23.5	0.0	
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	21.53					
100	PSS-BPSK	136	5	21.88			23.5	0.0	
100	PSS-BPSK	136	86	21.94					
100	PSS-BPSK	136	158	21.78					
100	PSS-BPSK	270	5	21.28			25.0	0.5	
100	PSS-BPSK	270	5	21.28					
100	QPSK	1	1	22.00					
100	QPSK	1	137	21.84			23.5	0.0	
100	QPSK	1	271	21.83					
100	QPSK	136	5	21.88					
100	QPSK	136	86	21.83			23.5	0.0	
100	QPSK	136	158	21.58					
100	QPSK	270	5	21.28					
100	QPSK	270	5	21.28			25.0	1.0	
100	IQ-QAM	1	1	21.20					
100	IQ-QAM	1	1	21.19					
100	IQ-QAM	1	1	21.19			24.0	2.5	
100	IQ-QAM	1	1	21.19					
100	IQ-QAM	1	1	21.19					
Channel				63300		63334	63368	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.74		20.74	20.74		
50	QPSK	1	1	21.75	21.77	21.88	23.5	0.0	
Channel				63368		63334	63400	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
80	QPSK	1	1	21.70	21.79	21.70	23.5	0.0	
Channel				63234		63334	63434	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.51		20.81	21.11		
70	QPSK	1	1	21.73	21.68	21.75	23.5	0.0	
Channel				63400		63334	63468	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
60	QPSK	1	1	21.70	21.77	21.70	23.5	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.75		20.75	20.75		
50	QPSK	1	1	21.68	21.68	21.68	23.5	0.0	
Channel				63134		63168	63202	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
40	QPSK	1	1	21.68	21.68	21.68	23.5	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
30	QPSK	1	1	21.71	21.72	21.63	23.5	0.0	
Channel				63068		63334	63600	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.63		20.74	20.85		
20	QPSK	1	1	21.67	21.66	21.60	23.5	0.0	

Part27Q 78 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63334		3560.91			
Frequency [MHz]				21.29					
100	PSS-BPSK	1	1	21.29			25.0	0.0	
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	21.53					
100	PSS-BPSK	136	5	21.88			24.5	0.5	
100	PSS-BPSK	136	86	21.98					
100	PSS-BPSK	136	158	21.78					
100	PSS-BPSK	270	5	21.27			24.5	0.5	
100	PSS-BPSK	270	5	21.27					
100	QPSK	1	1	23.30					
100	QPSK	1	137	22.23			25.0	0.0	
100	QPSK	1	271	22.27					
100	QPSK	136	5	22.76					
100	QPSK	136	86	23.39			25.0	0.0	
100	QPSK	136	158	21.70					
100	QPSK	270	5	22.24					
100	QPSK	270	5	21.75			25.0	1.0	
100	IQ-QAM	1	1	21.75					
100	IQ-QAM	1	1	20.88					
100	IQ-QAM	1	1	19.75			25.5	4.5	
100	IQ-QAM	1	1	19.75					
100	IQ-QAM	1	1	19.75					
Channel				63300		63334	63368	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.74		20.74	20.74		
50	QPSK	1	1	23.10	23.25	23.20	25.0	0.0	
Channel				63368		63334	63400	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
80	QPSK	1	1	23.17	23.26	23.29	25.0	0.0	
Channel				63234		63334	63434	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.51		20.81	21.11		
70	QPSK	1	1	23.20	23.29	23.28	25.0	0.0	
Channel				63400		63334	63468	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
60	QPSK	1	1	23.19	23.28	23.19	25.0	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.75		20.75	20.75		
50	QPSK	1	1	23.22	23.21	23.21	25.0	0.0	
Channel				63134		63168	63202	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
40	QPSK	1	1	23.27	23.23	23.23	25.0	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
30	QPSK	1	1	23.14	23.28	23.20	25.0	0.0	
Channel				63068		63334	63600	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.63		20.74	20.85		
20	QPSK	1	1	23.12	23.29	23.17	25.0	0.0	

n5 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 16800	Power Middle Ch./Freq. 16750	Power High Ch./Freq. 16900	Time-up limit (dBm)	MFR (dB)
Channel				16800	16750	16900		
Frequency (MHz)				16800	16750	16900		
20	PLC BPSK	1	1	22.43	22.43	22.83		
20	PLC BPSK	1	63	22.40	22.50	22.43	23.0	0.0
20	PLC BPSK	1	104	22.53	22.50	22.47		
20	PLC BPSK	50	0	22.37	22.51	22.56	23.0	0.0
20	PLC BPSK	50	26	22.35	22.61	22.46	23.0	0.0
20	PLC BPSK	50	56	22.39	22.42	22.47		
20	PLC BPSK	100	0	22.38	22.51	22.57	23.0	0.0
20	QPSK	1	1	22.51	22.60	22.83		
20	QPSK	1	63	22.40	22.40	22.43	23.0	0.0
20	QPSK	1	104	22.38	22.5	22.58		
20	QPSK	50	0	22.44	22.56	22.55	23.0	0.0
20	QPSK	50	26	22.45	22.55	22.54	23.0	0.0
20	QPSK	50	56	22.32	22.61	22.63		
20	QPSK	100	0	22.47	22.50	22.46	23.0	0.0
20	16QAM	1	1	22.46	22.55	22.59	23.0	0.0
20	16QAM	1	1	21.77	21.80	21.87	22.5	0.5
20	256QAM	1	1	19.54	19.53	19.80	20.5	2.5
Channel				16850	16750	16850	Time-up limit	MFR
Frequency (MHz)				16850	16750	16850	limit	limit
15	QPSK	1	1	22.42	22.60	22.55	23.0	0.0
Channel				16880	16750	16880	Time-up limit	MFR
Frequency (MHz)				16880	16750	16880	limit	limit
10	QPSK	1	1	22.30	22.55	22.57	23.0	0.0
Channel				16500	16750	16500	Time-up limit	MFR
Frequency (MHz)				16500	16750	16500	limit	limit
5	QPSK	1	1	22.47	22.61	22.48	23.0	0.0

n7 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50700	50000			
Frequency (MHz)				2425	2430	2445			
50	P12 BPSK	1	1	22.10	22.20	22.30			
50	P12 BPSK	1	136	22.27	22.37	22.22	24.0	0.0	
50	P12 BPSK	1	268	22.21	22.31	22.17			
50	P12 BPSK	136	0	21.87	21.93	21.84	23.5	0.5	
50	P12 BPSK	136	68	22.28	22.43	22.28	24.0	0.0	
50	P12 BPSK	136	136	21.84	21.98	21.86			
50	P12 BPSK	272	0	21.88	21.95	21.84	23.5	0.5	
50	QPSK	1	1	22.48	22.68	22.52			
50	QPSK	1	136	22.25	22.35	22.32	24.0	0.0	
50	QPSK	1	268	22.23	22.32	22.28			
50	QPSK	136	0	21.27	21.38	21.31	23.0	1.0	
50	QPSK	136	68	22.15	22.30	22.21	24.0	0.0	
50	QPSK	136	136	21.31	21.47	21.36			
50	QPSK	272	0	21.46	21.60	21.36	23.0	1.0	
50	16QAM	1	1	21.34	21.45	21.36	23.0	1.0	
50	64QAM	1	1	19.67	19.77	19.83	21.5	2.5	
50	256QAM	1	1	17.88	17.98	17.82	19.5	4.5	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50625	50700			
40	QPSK	1	1	22.44	22.62	22.41	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				50500	50600	50600			
30	QPSK	1	1	22.43	22.65	22.34	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2533.2	2535	2532.5			
25	QPSK	1	1	22.31	22.61	22.53	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2533.2	2535	2532.5			
20	P12 BPSK	1	1	22.34	22.65	22.38	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2527.5	2530	2528.5			
15	QPSK	1	1	22.12	22.47	22.48	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2519	2523	2520			
10	QPSK	1	1	22.38	22.68	22.43	24.0	0.0	
Channel				50500	50700	51000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2522.5	2524	2521.5			
5	QPSK	1	1	22.27	22.60	22.43	24.0	0.0	

n66 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				34000	34000	34000			
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	24.48	24.63	24.50			
40	P12 BPSK	1	108	24.52	24.60	24.54	25.5	0.0	
40	P12 BPSK	1	214	24.49	24.54	24.60			
40	P12 BPSK	108	0	24.11	24.05	24.07	25.0	0.5	
40	P12 BPSK	108	54	24.49	24.47	24.48	25.0	0.0	
40	P12 BPSK	108	108	24.15	24.12	24.11			
40	P12 BPSK	216	0	24.07	24.07	24.05	25.0	0.5	
40	QPSK	1	1	24.54	24.61	24.58			
40	QPSK	1	108	24.55	24.55	24.42	25.5	0.0	
40	QPSK	1	214	24.48	24.51	24.58			
40	QPSK	108	0	23.45	23.45	23.48	24.5	1.0	
40	QPSK	108	54	24.28	24.42	24.38	25.5	0.0	
40	QPSK	108	108	23.77	23.62	23.72	24.5	1.0	
40	QPSK	216	0	22.26	22.07	22.34			
40	16QAM	1	1	23.28	23.31	23.27	24.5	1.0	
40	64QAM	1	1	22.08	21.97	22.07	23.0	2.5	
40	256QAM	1	1	19.89	19.82	19.84	21.0	4.5	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1730	1735	1730			
30	QPSK	1	1	24.42	24.53	24.53	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1740	1740	1740			
30	QPSK	1	1	24.42	24.50	24.54	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1711.2	1740	1722.5			
15	QPSK	1	1	24.41	24.54	24.55	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1740	1715			
10	QPSK	1	1	24.43	24.50	24.54	25.5	0.0	
Channel				34000	34000	34000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1740	1717.5			
5	QPSK	1	1	24.51	24.67	24.60	25.5	0.0	

n38 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Time-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)				5160.0	5160.0	5160.0			
40	P12 BPSK	1	1	22.65	22.70	22.74			
40	P12 BPSK	1	53	22.64	22.68	22.72	24.0	0.0	
40	P12 BPSK	1	104	22.64	22.68	22.72			
40	P12 BPSK	50	0	22.16	22.14	22.23	23.5	0.5	
40	P12 BPSK	50	28	22.59	22.60	22.61	24.0	0.0	
40	P12 BPSK	50	56	22.58	22.59	22.61			
40	P12 BPSK	100	0	22.25	22.17	22.11	33.5	0.5	
40	QPSK	1	1	22.67	22.74	22.71			
40	QPSK	1	53	22.65	22.64	22.62	24.0	0.0	
40	QPSK	1	104	22.61	22.43	22.53			
40	QPSK	50	0	21.72	21.62	21.62	23.0	1.0	
40	QPSK	50	28	22.60	22.60	22.48	24.0	0.0	
40	QPSK	50	56	22.51	22.50	22.36	23.0	1.0	
40	QPSK	100	0	21.56	21.60	21.54			
40	16QAM	1	1	21.55	21.55	21.55	23.0	1.0	
40	16QAM	1	1	20.20	20.25	20.34	21.5	2.5	
40	256QAM	1	1	18.12	18.11	18.31	13.5	4.5	
Channel									
Frequency (MHz)				5170.0	5169.0	5169.0	Time-up (ms)	MPE	
Frequency (MHz)				5204.0	5202.0	5204.0	Time-up (ms)	MPE	
30	QPSK	1	1	22.64	22.60	22.62	24.0	0.0	
Channel									
Frequency (MHz)				5180.0	5180.0	5200.0	Time-up (ms)	MPE	
Frequency (MHz)				5200.0	5200.0	5200.0	Time-up (ms)	MPE	
30	QPSK	1	1	22.63	22.61	22.68	24.0	0.0	

n41 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)				5166.01	5166.00	5166.00			
100	P12 BPSK	1	1	22.71	22.60	22.80			
100	P12 BPSK	1	137	22.78	22.80	22.82	24.0	0.0	
100	P12 BPSK	1	271	22.61	22.72	22.75			
100	P12 BPSK	136	0	22.19	22.21	22.31	23.5	0.5	
100	P12 BPSK	136	68	22.71	22.60	22.82	24.0	0.0	
100	P12 BPSK	136	136	22.44	22.50	22.56			
100	P12 BPSK	270	0	22.43	22.32	22.31	33.5	0.5	
100	QPSK	1	1	22.73	22.80	22.80			
100	QPSK	1	137	22.68	22.61	22.82	24.0	0.0	
100	QPSK	1	271	22.76	22.73	22.82			
100	QPSK	136	0	21.82	21.66	21.73	23.0	1.0	
100	QPSK	136	68	22.65	22.67	22.61	24.0	0.0	
100	QPSK	136	136	21.82	21.78	21.82	23.0	1.0	
100	QPSK	270	0	21.76	21.66	21.66			
100	16QAM	1	1	21.66	21.70	21.70	23.0	1.0	
100	256QAM	1	1	20.39	20.37	20.34	21.5	2.5	
100	256QAM	1	1	18.38	18.21	18.30	13.5	4.5	
Channel									
Frequency (MHz)				5165.00	5165.00	5165.00	Time-up (ms)	MPE	
Frequency (MHz)				5204.01	5169.00	5200.00	Time-up (ms)	MPE	
Frequency (MHz)				5204.02	5169.00	5200.00	Time-up (ms)	MPE	
90	QPSK	1	1	22.70	22.61	22.82	24.0	0.0	
Channel									
Frequency (MHz)				5203.02	5169.00	5200.00	Time-up (ms)	MPE	
Frequency (MHz)				5203.01	5169.00	5200.00	Time-up (ms)	MPE	
70	QPSK	1	1	22.72	22.77	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5205.00	5169.00	5200.00	Time-up (ms)	MPE	
Frequency (MHz)				5206	5169.00	5200.00	Time-up (ms)	MPE	
60	QPSK	1	1	22.61	22.82	22.77	24.0	0.0	
Channel									
Frequency (MHz)				5204.01	5169.00	5200.00	Time-up (ms)	MPE	
Frequency (MHz)				5204.02	5169.00	5204.00	Time-up (ms)	MPE	
50	QPSK	1	1	22.68	22.67	22.72	24.0	0.0	
Channel									
Frequency (MHz)				5166.01	5166.00	5166.00	Time-up (ms)	MPE	
Frequency (MHz)				5166.01	5166.00	5166.00	Time-up (ms)	MPE	
40	QPSK	1	1	22.67	22.60	22.78	24.0	0.0	
Channel									
Frequency (MHz)				5205.00	5169.00	5169.00	Time-up (ms)	MPE	
Frequency (MHz)				5211	5169.00	5169.00	Time-up (ms)	MPE	
30	QPSK	1	1	22.70	22.70	22.63	24.0	0.0	
Channel									
Frequency (MHz)				5204.02	5169.00	5169.00	Time-up (ms)	MPE	
Frequency (MHz)				5204.02	5169.00	5169.00	Time-up (ms)	MPE	
20	QPSK	1	1	22.69	22.78	22.73	24.0	0.0	

n7 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				2025	2030	2045			
50	P12 BPSK	1	1	20.19	20.41	20.15	21.5	0.0	
50	P12 BPSK	1	136	20.11	20.37	20.08	21.5	0.0	
50	P12 BPSK	1	268	20.34	20.28	20.28			
50	P12 BPSK	136	0	20.11	20.35	20.23	21.5	0.0	
50	P12 BPSK	136	68	20.16	20.27	20.27	21.5	0.0	
50	P12 BPSK	136	136	20.31	20.27	20.27	21.5	0.0	
50	P12 BPSK	276	0	20.20	20.45	20.28	21.5	0.0	
50	QPSK	1	1	20.33	20.40	20.27			
50	QPSK	1	136	20.25	20.31	20.11	21.5	0.0	
50	QPSK	1	268	20.30	20.29	20.24			
50	QPSK	136	0	18.43	18.56	18.32	20.5	1.0	
50	QPSK	136	68	20.34	20.35	20.23	21.5	0.0	
50	QPSK	136	136	19.32	19.58	19.16	20.5	1.0	
50	QPSK	276	0	19.56	19.35	19.35	20.5	1.0	
50	QPSK	1	1	20.33	20.33	20.07	21.5	0.0	
50	64QAM	1	1	19.44	19.54	19.23	20.5	1.0	
50	256QAM	1	1	17.43	17.54	17.33	19.5	3.0	
Channel									
Frequency (MHz)				504500	507000	510000	Time-up limit	MTR	
Frequency (MHz)				507000	507000	507000	limit	limit	
40	QPSK	1	1	20.35	20.37	20.28	21.5	0.0	
Channel									
Frequency (MHz)				510000	507000	511000	Time-up limit	MTR	
Frequency (MHz)				511000	504000	510000	limit	limit	
30	QPSK	1	1	20.22	20.31	20.10	21.5	0.0	
Channel									
Frequency (MHz)				520500	507000	511500	Time-up limit	MTR	
Frequency (MHz)				520500	504000	520500	limit	limit	
25	QPSK	1	1	20.24	20.40	20.13	21.5	0.0	
Channel									
Frequency (MHz)				520500	507000	513000	Time-up limit	MTR	
Frequency (MHz)				520500	504000	520500	limit	limit	
20	P12 BPSK	1	1	20.19	20.34	20.28	21.5	0.0	
Channel									
Frequency (MHz)				5207.5	507000	512000	Time-up limit	MTR	
Frequency (MHz)				5207.5	504000	5207.5	limit	limit	
15	QPSK	1	1	20.13	20.44	20.12	21.5	0.0	
Channel									
Frequency (MHz)				530000	507000	513000	Time-up limit	MTR	
Frequency (MHz)				530000	504000	530000	limit	limit	
10	QPSK	1	1	20.31	20.33	20.24	21.5	0.0	
Channel									
Frequency (MHz)				540000	507000	513500	Time-up limit	MTR	
Frequency (MHz)				540000	504000	540000	limit	limit	
5	QPSK	1	1	20.24	20.30	20.26	21.5	0.0	

n66 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				1730	1740	1760			
40	P12 BPSK	1	1	23.70	23.62	23.40	24.0	0.0	
40	P12 BPSK	1	108	23.71	23.70	23.69	24.0	0.0	
40	P12 BPSK	1	214	23.67	23.77	23.73	23.5	0.5	
40	P12 BPSK	108	0	23.13	23.11	23.18	23.5	0.5	
40	P12 BPSK	108	54	23.75	23.60	23.73	24.0	0.0	
40	P12 BPSK	108	108	23.58	23.50	23.42	23.5	0.5	
40	P12 BPSK	216	0	23.15	23.15	23.30	23.5	0.5	
40	QPSK	1	1	23.67	23.85	23.70	24.0	0.0	
40	QPSK	1	108	23.76	23.80	23.85	24.0	0.0	
40	QPSK	1	214	23.82	23.78	23.78	24.0	0.0	
40	QPSK	108	0	22.86	22.88	22.84	23.0	1.0	
40	QPSK	108	54	23.58	23.70	23.77	24.0	0.0	
40	QPSK	108	108	22.87	22.80	22.86	23.0	1.0	
40	QPSK	216	0	22.54	22.72	22.60	23.0	1.0	
40	16QAM	1	1	22.30	22.35	22.42	23.0	1.0	
40	64QAM	1	1	21.08	21.61	21.81	21.5	2.5	
40	256QAM	1	1	18.04	18.51	18.70	19.5	4.5	
Channel									
				340500	340000	340500	Time-up limit	MTR	
Frequency (MHz)				1725	1740	1760	limit	limit	
30	QPSK	1	1	23.60	23.73	23.84	24.0	0.0	
Channel									
				344000	340000	346000	Time-up limit	MTR	
Frequency (MHz)				1740	1740	1740	limit	limit	
30	QPSK	1	1	23.61	23.78	23.88	24.0	0.0	
Channel									
				345000	340000	354000	Time-up limit	MTR	
Frequency (MHz)				1711.2	1740	1722.5	limit	limit	
15	QPSK	1	1	23.80	23.70	23.58	24.0	0.0	
Channel									
				345000	340000	354000	Time-up limit	MTR	
Frequency (MHz)				1715	1740	1770	limit	limit	
10	QPSK	1	1	23.58	23.71	23.61	24.0	0.0	
Channel									
				345000	340000	354000	Time-up limit	MTR	
Frequency (MHz)				1712.5	1740	1777.5	limit	limit	
5	QPSK	1	1	23.67	23.74	23.88	24.0	0.0	

n38 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms) (dB)	MTR (dB)	
Channel									
Frequency (MHz)				2490.02	2490	2490.98			
40	P12 BPSK	1	1	18.82	18.20	18.72	20.5	0.0	
40	P12 BPSK	1	53	18.81	18.24	18.80			
40	P12 BPSK	1	104	18.88	18.85	18.91			
40	P12 BPSK	50	0	18.82	18.21	18.76	20.5	0.0	
40	P12 BPSK	50	28	18.96	18.22	18.81	20.5	0.0	
40	P12 BPSK	50	56	18.77	18.07	18.81	20.5	0.0	
40	P12 BPSK	100	0	18.78	18.13	18.77			
40	QPSK	1	1	18.99	18.20	18.94			
40	QPSK	1	53	18.76	18.24	18.80	20.5	0.0	
40	QPSK	1	104	18.84	18.12	18.77			
40	QPSK	50	0	18.79	18.23	18.88	20.5	0.0	
40	QPSK	50	28	18.97	18.22	18.88	20.5	0.0	
40	QPSK	50	56	18.88	18.60	18.82	20.5	0.0	
40	QPSK	100	0	18.84	18.05	18.81	20.5	0.0	
40	16QAM	1	1	18.79	18.23	18.86			
40	16QAM	1	1	18.90	18.84	18.85	20.5	0.0	
40	256QAM	1	1	17.44	17.88	17.49	19.5	1.5	
Channel									
Frequency (MHz)				517050	516990	516980	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				520511	520522	520510	Time-up (ms) (dB)	MTR (dB)	
30	QPSK	1	1	18.48	18.10	18.76	20.5	0.0	
Channel									
Frequency (MHz)				518000	518000	520500	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2490	2490	2490	Time-up (ms) (dB)	MTR (dB)	
30	QPSK	1	1	18.00	18.22	18.38	20.5	0.0	

n41 PC3 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms) (dB)	MTR (dB)	
Channel									
Frequency (MHz)				2448.01	2448.50	2448			
100	P12 BPSK	1	1	18.23	18.22	18.18	20.5	0.0	
100	P12 BPSK	1	137	18.28	18.21	18.22			
100	P12 BPSK	1	271	18.14	18.24	18.27			
100	P12 BPSK	136	0	18.02	18.21	18.25	20.5	0.0	
100	P12 BPSK	136	68	18.26	18.21	18.13	20.5	0.0	
100	P12 BPSK	136	136	18.14	18.21	18.16	20.5	0.0	
100	P12 BPSK	270	0	18.12	18.21	18.17			
100	QPSK	1	1	18.28	18.30	18.30			
100	QPSK	1	137	18.11	18.22	18.30	20.5	0.0	
100	QPSK	1	271	18.22	18.30	18.30			
100	QPSK	136	0	18.18	18.32	18.20	20.5	0.0	
100	QPSK	136	68	18.12	18.30	18.28	20.5	0.0	
100	QPSK	136	136	18.27	18.28	18.26	20.5	0.0	
100	QPSK	270	0	18.16	18.20	18.16	20.5	0.0	
100	16QAM	1	1	18.24	18.34	18.18			
100	16QAM	1	1	18.07	18.28	18.12	20.5	0.0	
100	256QAM	1	1	17.86	17.81	17.88	19.5	1.5	
Channel									
Frequency (MHz)				520500	518008	520500	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				520511	520522	520510	Time-up (ms) (dB)	MTR (dB)	
30	QPSK	1	1	18.23	18.30	18.31	20.5	0.0	
Channel									
Frequency (MHz)				507204	518008	520500	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2448.02	2448.50	2448.00	Time-up (ms) (dB)	MTR (dB)	
30	QPSK	1	1	18.22	18.30	18.18	20.5	0.0	
Channel									
Frequency (MHz)				508202	518008	521000	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2431.01	2448.50	2430	Time-up (ms) (dB)	MTR (dB)	
70	QPSK	1	1	18.22	18.32	18.30	20.5	0.0	
Channel									
Frequency (MHz)				505200	518008	521000	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2430	2448.50	2448.00	Time-up (ms) (dB)	MTR (dB)	
60	QPSK	1	1	18.22	18.22	18.23	20.5	0.0	
Channel									
Frequency (MHz)				520511	520522	520510	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2431.02	2448.50	2430.90	Time-up (ms) (dB)	MTR (dB)	
50	QPSK	1	1	18.12	18.15	18.11	20.5	0.0	
Channel									
Frequency (MHz)				520500	518008	520500	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2430.91	2448.50	2430	Time-up (ms) (dB)	MTR (dB)	
40	QPSK	1	1	18.07	18.20	18.16	20.5	0.0	
Channel									
Frequency (MHz)				522000	518008	518008	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2411	2432.50	2414.90	Time-up (ms) (dB)	MTR (dB)	
30	QPSK	1	1	18.07	18.31	18.11	20.5	0.0	
Channel									
Frequency (MHz)				501204	518008	518008	Time-up (ms) (dB)	MTR (dB)	
Frequency (MHz)				2404.12	2432.50	2418.00	Time-up (ms) (dB)	MTR (dB)	
20	QPSK	1	1	18.24	18.18	18.24	20.5	0.0	

n7 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MTR (dB)	
Channel									
				2525	2535	2545			
50	P12 BPSK	1	1	23.75	23.80	23.85	24.5	0.0	
50	P12 BPSK	1	136	23.77	23.87	23.75			
50	P12 BPSK	1	268	23.87	23.81	23.89			
50	P12 BPSK	136	0	23.22	23.32	23.21	24.0	0.5	
50	P12 BPSK	136	68	23.87	23.80	23.74	24.0	0.0	
50	P12 BPSK	136	136	23.25	23.32	23.21			
50	P12 BPSK	272	0	23.19	23.32	23.23	24.0	0.5	
50	QPSK	1	1	23.80	23.82	23.81			
50	QPSK	1	136	23.72	23.75	23.80	24.5	0.0	
50	QPSK	1	268	23.87	23.74	23.84			
50	QPSK	136	0	22.75	22.86	22.73	23.5	1.0	
50	QPSK	136	68	23.78	23.81	23.75	24.5	0.0	
50	QPSK	136	136	22.79	22.88	22.77	23.5	1.0	
50	QPSK	272	0	22.74	22.85	22.74			
50	16QAM	1	1	22.95	22.95	22.95	23.5	1.0	
50	64QAM	1	1	21.69	21.14	21.89	22.0	2.5	
50	256QAM	1	1	18.32	16.35	18.20	20.0	4.5	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
40	QPSK	1	1	23.70	23.70	23.83	24.5	0.0	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
30	QPSK	1	1	23.72	23.81	23.75	24.5	0.0	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
25	QPSK	1	1	23.70	23.87	23.85	24.5	0.0	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
20	P12 BPSK	1	1	23.68	23.84	23.82	24.5	0.0	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
15	QPSK	1	1	23.73	23.87	23.72	24.5	0.0	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
10	QPSK	1	1	23.72	23.73	23.75	24.5	0.0	
Channel									
Frequency (MHz)				50950	50700	51000	Tune-up (m)	MTR	
5	QPSK	1	1	23.80	23.84	23.71	24.5	0.0	

n66 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (m)	MTR (dB)	
Channel									
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	22.31	22.37	22.17	23.5	0.0	
40	P12 BPSK	1	108	22.32	22.37	22.18			
40	P12 BPSK	1	214	22.30	22.37	22.08			
40	P12 BPSK	108	0	22.19	22.33	22.28	23.5	0.0	
40	P12 BPSK	108	54	22.23	22.37	22.24	23.0	0.0	
40	P12 BPSK	108	108	22.25	22.32	22.19			
40	P12 BPSK	216	0	22.18	22.33	22.05	23.5	0.0	
40	QPSK	1	1	22.38	22.60	22.27			
40	QPSK	1	108	22.22	22.45	22.15	23.5	0.0	
40	QPSK	1	214	22.31	22.57	22.24			
40	QPSK	108	0	22.18	22.57	22.14	23.5	0.0	
40	QPSK	108	54	22.37	22.59	22.18	23.5	0.0	
40	QPSK	108	108	22.31	22.58	22.08	23.5	0.0	
40	QPSK	216	0	22.17	22.45	22.06			
40	16QAM	1	1	22.34	22.35	22.14	23.5	0.0	
40	64QAM	1	1	20.75	20.73	20.83	22.0	1.5	
40	256QAM	1	1	18.58	18.71	18.83	20.0	3.5	
Channel									
				34500	34900	35300	Tune-up (m)	MTR	
Frequency (MHz)				34500	34850	34900	(dBm)	(dB)	
30	QPSK	1	1	22.34	22.43	22.18	23.5	0.0	
Channel									
				34500	34900	35300	Tune-up (m)	MTR	
Frequency (MHz)				1710	1740	1710	(dBm)	(dB)	
30	QPSK	1	1	22.39	22.37	22.20	23.0	0.0	
Channel									
				34500	34900	35300	Tune-up (m)	MTR	
Frequency (MHz)				1711.2	1740	1722.5	(dBm)	(dB)	
15	QPSK	1	1	22.24	22.48	22.10	23.0	0.0	
Channel									
				34500	34900	35300	Tune-up (m)	MTR	
Frequency (MHz)				1715	1740	1715	(dBm)	(dB)	
10	QPSK	1	1	22.33	22.56	22.16	23.5	0.0	
Channel									
				34500	34900	35300	Tune-up (m)	MTR	
Frequency (MHz)				1712.5	1740	1727.5	(dBm)	(dB)	
5	QPSK	1	1	22.36	22.40	22.13	23.0	0.0	

n38 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq. 518004	Power Middle Ch./ Freq. 518006	Power High Ch./ Freq. 518008	Time-up (ms)	MTR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	23.87	24.02	23.91	24.5	0.0	
40	P12 BPSK	1	53	23.85	24.00	23.91			
40	P12 BPSK	1	104	23.91	23.91	23.91			
40	P12 BPSK	50	0	23.92	23.91	23.80	24.0	0.5	
40	P12 BPSK	50	28	23.93	24.01	24.01	24.0	0.0	
40	P12 BPSK	50	56	23.96	23.98	23.87	24.0	0.5	
40	P12 BPSK	100	0	23.97	23.95	23.88			
40	QPSK	1	1	24.05	24.00	23.90			
40	QPSK	1	53	23.98	23.93	24.00	24.5	0.0	
40	QPSK	1	104	23.84	23.78	23.85			
40	QPSK	50	0	23.99	23.83	23.98	23.5	1.0	
40	QPSK	50	28	23.99	24.00	23.82	24.5	0.0	
40	QPSK	50	56	23.96	23.40	23.44	23.5	1.0	
40	QPSK	100	0	22.97	23.02	22.96	23.5	1.0	
40	16QAM	1	1	23.98	23.95	23.95			
40	64QAM	1	1	23.79	23.65	24.80	22.0	2.5	
40	256QAM	1	1	18.58	18.51	18.70	20.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.00	23.90	23.83	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.90	23.90	23.75	24.5	0.0	

n41 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. 506005	Power Middle Ch. / Freq. 518006	Power High Ch. / Freq. 520000	Time-up (ms)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	23.84	24.04	23.84	24.5	0.0	
100	P12 BPSK	1	137	24.08	24.00	24.00			
100	P12 BPSK	1	271	23.98	23.83	23.90			
100	P12 BPSK	136	0	23.84	23.41	23.80	24.0	0.5	
100	P12 BPSK	136	68	23.92	23.91	23.88	24.0	0.0	
100	P12 BPSK	136	136	23.96	24.00	23.90	24.0	0.5	
100	P12 BPSK	270	0	23.83	23.05	23.08			
100	QPSK	1	1	24.06	24.10	24.05			
100	QPSK	1	137	23.76	23.81	23.76	24.5	0.0	
100	QPSK	1	271	24.05	23.91	23.98			
100	QPSK	136	0	22.92	22.90	23.04	23.5	1.0	
100	QPSK	136	68	23.75	23.91	23.85	24.5	0.0	
100	QPSK	136	136	23.91	22.92	23.91	23.5	1.0	
100	QPSK	270	0	22.96	22.90	22.87	23.5	1.0	
100	16QAM	1	1	23.94	23.94	23.92			
100	64QAM	1	1	23.68	23.58	24.79	22.0	2.5	
100	256QAM	1	1	18.87	18.53	18.86	20.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.03	24.00	24.00	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.07	24.00	23.94	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.92	23.90	23.85	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.87	24.00	23.88	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.06	24.00	24.00	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.89	23.90	23.86	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.04	24.00	23.93	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.91	24.01	24.06	24.5	0.0	

Par270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	15.84	15.80	15.84	-	17.5	0.0
100	P12 BPSK	1	137	15.81	15.80	15.84	-	17.5	0.0
100	P12 BPSK	1	271	15.88	15.71	15.84	-	17.5	0.0
100	P12 BPSK	136	0	15.51	15.81	15.84	-	17.5	0.0
100	P12 BPSK	136	66	15.54	15.83	15.74	-	17.5	0.0
100	P12 BPSK	136	136	15.70	15.86	15.82	-	17.5	0.0
100	P12 BPSK	270	0	15.09	15.59	15.07	-	17.5	0.0
100	QPSK	1	1	15.73	15.70	15.87	-	17.5	0.0
100	QPSK	1	137	15.84	15.71	15.53	-	17.5	0.0
100	QPSK	1	271	15.82	15.50	15.88	-	17.5	0.0
100	QPSK	136	0	15.80	15.81	15.54	-	17.5	0.0
100	QPSK	136	66	15.58	15.80	15.55	-	17.5	0.0
100	QPSK	136	136	15.82	15.54	15.52	-	17.5	0.0
100	QPSK	270	0	15.56	15.50	15.46	-	17.5	0.0
100	16QAM	1	1	15.53	15.53	15.58	-	17.5	0.0
100	64QAM	1	1	15.60	15.64	15.58	-	17.5	0.0
100	256QAM	1	1	15.53	15.61	15.58	-	17.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.52	15.70	15.81	-	17.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.54	15.73	15.84	-	17.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.58	15.64	15.59	-	17.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.69	15.60	15.54	-	17.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.88	15.63	15.58	-	17.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.72	15.63	15.88	-	17.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.18	15.63	15.58	-	17.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.14	15.77	15.88	-	17.5	0.0

Part27Q n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	-	15.67	-	-	17.5	0.0
100	P12 BPSK	1	137	-	15.72	-	-	17.5	0.0
100	P12 BPSK	136	0	-	15.52	-	-	17.5	0.0
100	P12 BPSK	136	66	-	15.60	-	-	17.5	0.0
100	P12 BPSK	136	136	-	15.54	-	-	17.5	0.0
100	P12 BPSK	270	0	-	15.55	-	-	17.5	0.0
100	QPSK	1	1	-	15.77	-	-	17.5	0.0
100	QPSK	1	137	-	15.84	-	-	17.5	0.0
100	QPSK	1	271	-	15.82	-	-	17.5	0.0
100	QPSK	136	0	-	15.56	-	-	17.5	0.0
100	QPSK	136	66	-	15.80	-	-	17.5	0.0
100	QPSK	136	136	-	15.60	-	-	17.5	0.0
100	QPSK	270	0	-	15.52	-	-	17.5	0.0
100	16QAM	1	1	-	15.60	-	-	17.5	0.0
100	256QAM	1	1	-	15.68	-	-	17.5	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	-	15.75	-	-	17.5	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	-	15.55	-	-	17.5	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	-	15.58	-	-	17.5	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	-	15.73	-	-	17.5	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	-	15.59	-	-	17.5	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	-	15.17	-	-	17.5	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	-	15.13	-	-	17.5	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	-	15.15	-	-	17.5	0.0

Part27O n78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	3750	3750	3750		17.0	0.0
100	P12 BPSK	1	137		15.48			17.0	0.0
100	P12 BPSK	1	271		15.31			17.0	0.0
100	P12 BPSK	136	0		15.45			17.0	0.0
100	P12 BPSK	136	66		15.50			17.0	0.0
100	P12 BPSK	136	136		15.32			17.0	0.0
100	P12 BPSK	270	0		15.47			17.0	0.0
100	QPSK	1	1		15.58			17.0	0.0
100	QPSK	1	137		15.45			17.0	0.0
100	QPSK	1	271		15.38			17.0	0.0
100	QPSK	136	0		15.36			17.0	0.0
100	QPSK	136	66		15.50			17.0	0.0
100	QPSK	136	136		15.32			17.0	0.0
100	QPSK	270	0		15.45			17.0	0.0
100	16QAM	1	1		15.41			17.0	0.0
100	256QAM	1	1		15.51			17.0	0.0
100	256QAM	1	1		15.41			17.0	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	41666	41666	42034	Time-up limit (dBm)	MTR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.43	15.46	15.41	17.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	146334	146334	146566	Time-up limit (dBm)	MTR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	37410	37410	37410	17.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18333	18444	18226	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	95000	95000	95000	Time-up limit (dBm)	MTR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3750	3750	3750	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	1537	1530	1523	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3750	3750	3750	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	15.44	15.33	15.33	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	3750	3750	3750	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	15.40	15.39	15.40	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	14766	14800	14824	Time-up limit (dBm)	MTR	
Channel									
Frequency (MHz)									
0	QPSK	1	1	15.36	15.46	15.41	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	16234	16300	16366	Time-up limit (dBm)	MTR	
Channel									
Frequency (MHz)									
0	QPSK	1	1	15410	15410	15410	17.0	0.0	
Channel									
Frequency (MHz)									
0	QPSK	1	1	15725	15481	15541	17.0	0.0	

Part27Q 78 PC2 Ant9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Intvl (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.91					
100	PSS-BPSK	1	1		15.29				
100	PSS-BPSK	1	137		15.32		17.0	0.0	
100	PSS-BPSK	1	271		15.21				
100	PSS-BPSK	135	0		15.43		17.0	0.0	
100	PSS-BPSK	135	66		15.50		17.0	0.0	
100	PSS-BPSK	135	138		15.32		17.0	0.0	
100	PSS-BPSK	270	0		15.35		17.0	0.0	
100	QPSK	1	1		15.53				
100	QPSK	1	137		15.29		17.0	0.0	
100	QPSK	1	271		15.36				
100	QPSK	135	0		15.35				
100	QPSK	135	66		15.21		17.0	0.0	
100	QPSK	135	138		15.19		17.0	0.0	
100	QPSK	270	0		15.27		17.0	0.0	
100	16QAM	1	1		15.34		17.0	0.0	
100	16QAM	1	1		15.52		17.0	0.0	
100	256QAM	1	1		15.41		17.0	0.0	
Channel				633500		633534	633568	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3492		3500.91	3509.92		
50	QPSK	1	1	15.41	15.32	15.40	17.0	0.0	
Channel				633568		633594	634008	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3490.92		3500.91	3505		
80	QPSK	1	1	15.44	15.34	15.38	17.0	0.0	
Channel				633534		633594	634334	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3485.91		3500.91	3515.91		
70	QPSK	1	1	15.38	15.44	15.39	17.0	0.0	
Channel				633500		633534	634008	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3490		3500.91	3509.92		
60	QPSK	1	1	15.32	15.43	15.26	17.0	0.0	
Channel				633500		633534	633568	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3475.02		3500.91	3525		
50	QPSK	1	1	15.24	15.48	15.41	17.0	0.0	
Channel				633534		633568	633594	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3470.91		3500.91	3505.91		
40	QPSK	1	1	15.44	15.29	15.24	17.0	0.0	
Channel				633500		633534	633568	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3465		3500.91	3515.02		
30	QPSK	1	1	15.39	15.39	15.32	17.0	0.0	
Channel				633568		633594	634008	Tune-up Intvl (dBm)	MPR
Frequency (MHz)				3460.92		3500.91	3525		
20	QPSK	1	1	15.29	15.32	15.26	17.0	0.0	



Par270 n77 PC3 An10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				3720	3840	3960			
100	P12 BPSK	1	1	21.51	21.28	21.15		22.5	0.0
100	P12 BPSK	1	137	21.19	21.17	21.15			
100	P12 BPSK	1	271	21.17	21.15	20.97			
100	P12 BPSK	136	0	21.10	21.28	20.97		22.5	0.0
100	P12 BPSK	136	66	21.09	21.17	21.11		22.5	0.0
100	P12 BPSK	136	136	21.07	21.16	21.16		22.5	0.0
100	P12 BPSK	236	0	21.07	21.15	21.17		22.5	0.0
100	QPSK	1	1	21.24	21.34	21.18			
100	QPSK	1	137	21.07	21.24	21.07		22.5	0.0
100	QPSK	1	271	21.10	21.16	21.08			
100	QPSK	136	0	21.18	21.16	21.14		22.5	0.0
100	QPSK	136	66	21.15	21.20	21.10		22.5	0.0
100	QPSK	136	136	21.10	21.17	21.12		22.5	0.0
100	QPSK	270	0	21.24	21.22	21.16			
100	QPSK	1	1	21.05	21.12	20.96		22.5	0.0
100	8QAM	1	1	21.13	21.10	20.95		22.5	0.0
100	25QAM	1	1	19.63	19.62	19.78		21.5	1.5
Channel									
Frequency (MHz)				64968	65000	65032	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64968	65000	65032	Time-up limit (dBm)	MTR (dB)	
90	QPSK	1	1	21.21	21.31	21.17	22.5	0.0	
Channel									
Frequency (MHz)				64934	65000	65066	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64934	65000	65066	Time-up limit (dBm)	MTR (dB)	
80	QPSK	1	1	21.20	21.12	21.00	22.5	0.0	
Channel									
Frequency (MHz)				64900	65000	65000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64900	65000	65000	Time-up limit (dBm)	MTR (dB)	
70	QPSK	1	1	21.24	21.18	21.14	22.5	0.0	
Channel									
Frequency (MHz)				64866	65000	65034	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64866	65000	65034	Time-up limit (dBm)	MTR (dB)	
60	QPSK	1	1	21.04	21.30	20.98	22.5	0.0	
Channel									
Frequency (MHz)				64832	65000	65032	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64832	65000	65032	Time-up limit (dBm)	MTR (dB)	
50	QPSK	1	1	21.07	21.17	21.13	22.5	0.0	
Channel									
Frequency (MHz)				64800	65000	65000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64800	65000	65000	Time-up limit (dBm)	MTR (dB)	
40	QPSK	1	1	21.18	21.40	21.09	22.5	0.0	
Channel									
Frequency (MHz)				64766	65000	65034	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64766	65000	65034	Time-up limit (dBm)	MTR (dB)	
30	QPSK	1	1	21.07	21.33	21.13	22.5	0.0	
Channel									
Frequency (MHz)				64734	65000	65066	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64734	65000	65066	Time-up limit (dBm)	MTR (dB)	
20	QPSK	1	1	21.12	21.27	21.16	22.5	0.0	

Part27Q n77 PC3 An10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				63000	63336	63668			
100	P12 BPSK	1	1	21.13				22.5	0.0
100	P12 BPSK	1	137		21.00				
100	P12 BPSK	1	271		20.95			22.5	0.0
100	P12 BPSK	136	0		21.15			22.5	0.0
100	P12 BPSK	136	66		21.08			22.5	0.0
100	P12 BPSK	136	136		21.12			22.5	0.0
100	P12 BPSK	236	0		21.15			22.5	0.0
100	QPSK	1	1		21.20			22.5	0.0
100	QPSK	1	137		21.11				
100	QPSK	1	271		21.16			22.5	0.0
100	QPSK	136	0		21.04			22.5	0.0
100	QPSK	136	66		21.10			22.5	0.0
100	QPSK	136	136		20.99			22.5	0.0
100	QPSK	270	0		21.12			22.5	0.0
100	8QAM	1	1		21.15			22.5	0.0
100	8QAM	1	1		21.09			22.5	0.0
100	25QAM	1	1		19.53			21.5	1.5
Channel									
Frequency (MHz)				63000	63336	63668	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63000	63336	63668	Time-up limit (dBm)	MTR (dB)	
90	QPSK	1	1	21.23	21.17	21.17	22.5	0.0	
Channel									
Frequency (MHz)				63066	63336	63600	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63066	63336	63600	Time-up limit (dBm)	MTR (dB)	
80	QPSK	1	1	21.09	21.05	21.16	22.5	0.0	
Channel									
Frequency (MHz)				63234	63336	63438	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63234	63336	63438	Time-up limit (dBm)	MTR (dB)	
70	QPSK	1	1	21.24	21.05	21.03	22.5	0.0	
Channel									
Frequency (MHz)				63000	63336	63668	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63000	63336	63668	Time-up limit (dBm)	MTR (dB)	
60	QPSK	1	1	21.03	21.04	21.05	22.5	0.0	
Channel									
Frequency (MHz)				63116	63336	63300	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63116	63336	63300	Time-up limit (dBm)	MTR (dB)	
50	QPSK	1	1	21.13	21.10	21.17	22.5	0.0	
Channel									
Frequency (MHz)				63134	63336	63300	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63134	63336	63300	Time-up limit (dBm)	MTR (dB)	
40	QPSK	1	1	63100	63336	63668	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				63100	63336	63668	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63100	63336	63668	Time-up limit (dBm)	MTR (dB)	
30	QPSK	1	1	21.05	20.97	20.97	22.5	0.0	
Channel									
Frequency (MHz)				63066	63336	63600	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				63066	63336	63600	Time-up limit (dBm)	MTR (dB)	
20	QPSK	1	1	21.15	20.95	21.06	22.5	0.0	

Part270 n78 PC2 An10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1		22.12			23.0	0.0
100	P12 BPSK	1	137		22.12				
100	P12 BPSK	1	271		22.15			23.0	0.0
100	P12 BPSK	136	0		22.17			23.0	0.0
100	P12 BPSK	136	66		22.11			23.0	0.0
100	P12 BPSK	136	136		22.27			23.0	0.0
100	P12 BPSK	236	0		22.13			23.0	0.0
100	QPSK	1	1		22.35			23.0	0.0
100	QPSK	1	137		22.12				
100	QPSK	1	271		22.25			23.0	0.0
100	QPSK	136	0		22.11			23.0	0.0
100	QPSK	136	66		22.25			23.0	0.0
100	QPSK	136	136		22.26			23.0	0.0
100	QPSK	270	0		22.10			23.0	0.0
100	8QAM	1	1		22.25			23.0	0.0
100	8QAM	1	1		22.25			23.0	0.0
100	25QAM	1	1		21.65			22.5	0.5
Channel									
Frequency (MHz)				64968	65000	65034	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64968	65000	65034	Time-up limit (dBm)	MTR (dB)	
90	QPSK	1	1	22.26	22.26	22.31	23.0	0.0	
Channel									
Frequency (MHz)				64934	65000	65066	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64934	65000	65066	Time-up limit (dBm)	MTR (dB)	
80	QPSK	1	1	22.07					
80	QPSK	1	1	22.07					
80	QPSK	1	1	22.15	22.19	22.21	23.0	0.0	
80	QPSK	1	1	22.26	22.31	22.33	23.0	0.0	
80	QPSK	1	1	22.31	22.36	22.37	23.0	0.0	
80	QPSK	1	1	22.51	22.56	22.57	23.0	0.0	
Channel									
Frequency (MHz)				64900	65000	65090	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64900	65000	65090	Time-up limit (dBm)	MTR (dB)	
70	QPSK	1	1	22.11	22.19	22.21	23.0	0.0	
70	QPSK	1	1	22.26	22.31	22.33	23.0	0.0	
70	QPSK	1	1	22.31	22.36	22.37	23.0	0.0	
70	QPSK	1	1	22.51	22.56	22.57	23.0	0.0	
Channel									
Frequency (MHz)				64734	65000	65066	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				64734	65000	65066	Time-up limit (dBm)	MTR (dB)	
30	QPSK	1	1	22.05	22.11	22.13	23.0	0.0	

Part27Q 78 PC2 An10									
BW (MHz)	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)				3500.91					
100	PSS-BPSK	1	1	22.02		23.0			
100	PSS-BPSK	1	137	22.04		23.0			
100	PSS-BPSK	1	271	22.17		23.0			
100	PSS-BPSK	135	0	21.99		23.0			
100	PSS-BPSK	135	66	21.90		23.0			
100	PSS-BPSK	135	138	22.00		23.0			
100	PSS-BPSK	270	0	22.20		23.0			
100	QPSK	1	1	22.24		23.0			
100	QPSK	1	137	22.23		23.0			
100	QPSK	1	271	22.16		23.0			
100	QPSK	135	0	21.99		23.0			
100	QPSK	135	66	22.21		23.0			
100	QPSK	135	138	22.11		23.0			
100	QPSK	270	0	22.20		23.0			
100	16QAM	1	1	22.21		23.0			
100	256QAM	1	1	21.41		22.5			
Channel				633500		633568 633594			
Frequency (MHz)				3495		3495.02 3495.42			
50	QPSK	1	1	22.13		22.00			
Channel				633568		633594 634008			
Frequency (MHz)				3490.00		3490			
80	QPSK	1	1	22.05		21.96			
Channel				634334		634394 634394			
Frequency (MHz)				3485.51		3485.81			
70	QPSK	1	1	22.15		22.02			
Channel				634500		634534 634948			
Frequency (MHz)				3490		3490.01 3490.39			
80	QPSK	1	1	21.83		21.91			
Channel				635000		635034 635068			
Frequency (MHz)				3475.02		3475			
50	QPSK	1	1	22.01		22.00			
Channel				635134		635135 635200			
Frequency (MHz)				3470.13		3470.01 3470.01			
30	QPSK	1	1	22.10		22.09			
Channel				635100		635134 635668			
Frequency (MHz)				3470		3470.01 3470.02			
20	QPSK	1	1	22.12		21.85			

Par270 n77 PC3 An11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MTR (dB)				
Channel												
Frequency (MHz)												
3700 3840 3950												
100	P12 BPSK	1	1	22.13	22.14	22.18	23.5	0.0				
100	P12 BPSK	1	137	22.08	21.98	21.89						
100	P12 BPSK	1	271	21.98	21.78	21.53						
100	P12 BPSK	136	0	21.58	21.52	21.45	23.5	0.5				
100	P12 BPSK	136	66	21.88	22.01	21.94						
100	P12 BPSK	136	136	21.58	21.52	21.42						
100	P12 BPSK	236	0	21.43	21.45	21.48	23.5	0.5				
100	QPSK	1	1	22.06	22.21	22.19						
100	QPSK	1	137	22.05	22.20	21.95						
100	QPSK	1	271	21.74	21.75	21.76	23.5	0.0				
100	QPSK	136	0	21.07	20.95	20.90						
100	QPSK	136	66	21.64	21.70	21.54						
100	QPSK	136	138	21.13	20.86	20.93	22.5	1.0				
100	QPSK	236	0	21.13	21.00	20.96						
100	ISQAM	1	1	21.18	21.00	20.90						
100	ISQAM	1	1	19.88	19.51	19.56	21.0	2.5				
100	ISQAM	1	1	17.78	17.51	17.68						
Channel												
Frequency (MHz)												
649668 650000 650324												
90	QPSK	1	1	22.04	22.04	22.01	23.5	0.0				
Channel												
Frequency (MHz)												
849334 850000 850668												
80	QPSK	1	1	21.98	22.00	22.08	23.5	0.0				
Channel												
Frequency (MHz)												
849300 850000 850300												
70	QPSK	1	1	21.94	22.00	22.20	23.5	0.0				
Channel												
Frequency (MHz)												
814983 850000 850474												
60	QPSK	1	1	21.92	22.12	22.11	23.5	0.0				
Channel												
Frequency (MHz)												
814911 850000 850100												
50	QPSK	1	1	21.91	22.07	22.16	23.5	0.0				
Channel												
Frequency (MHz)												
814903 850000 850100												
40	QPSK	1	1	21.90	22.02	22.14	23.5	0.0				
Channel												
Frequency (MHz)												
814968 850000 850334												
30	QPSK	1	1	22.08	22.00	22.10	23.5	0.0				
Channel												
Frequency (MHz)												
847334 850000 850668												
20	QPSK	1	1	21.93	22.17	22.19	23.5	0.0				
Channel												
Frequency (MHz)												
847311 850000 850322												

Part27Q n77 PC3 An11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MTR (dB)				
Channel												
Frequency (MHz)												
100	P12 BPSK	1	1	22.02			23.5	0.0				
100	P12 BPSK	1	137		21.80							
100	P12 BPSK	1	271		21.60							
100	P12 BPSK	136	0	21.51			23.5	0.0				
100	P12 BPSK	136	66		21.50							
100	P12 BPSK	136	138		21.30							
100	P12 BPSK	236	0		21.38		23.5	0.5				
100	QPSK	1	1		22.17							
100	QPSK	1	137		22.00		23.5	0.0				
100	QPSK	1	271		22.00							
100	QPSK	136	0		22.06		23.5	0.0				
100	QPSK	136	66		22.10							
100	QPSK	136	138		22.00							
100	QPSK	236	0		21.50		23.0	1.0				
100	16QAM	1	1		20.84							
100	16QAM	1	1		19.20							
100	64QAM	1	1		17.47		23.5	4.5				
Channel												
Frequency (MHz)												
633600 633336 633668												
90	QPSK	1	1	21.84	22.00	22.16	23.5	0.0				
Channel												
Frequency (MHz)												
833668 833336 834000												
80	QPSK	1	1	21.84	22.00	22.00	23.5	0.0				
Channel												
Frequency (MHz)												
832334 833336 834334												
70	QPSK	1	1	22.00	22.10	22.12	23.5	0.0				
Channel												
Frequency (MHz)												
834000 833336 834668												
60	QPSK	1	1	22.02	22.18	22.01	23.5	0.0				
Channel												
Frequency (MHz)												
834752 833336 834916												
50	QPSK	1	1	21.98	22.05	22.10	23.5	0.0				
Channel												
Frequency (MHz)												
834752 833336 834916												
40	QPSK	1	1	21.97	22.02	22.17	23.5	0.0				
Channel												
Frequency (MHz)												
834752 833336 834916												
30	QPSK	1	1	22.04	22.14	22.09	23.5	0.0				
Channel												
Frequency (MHz)												
834800 833336 834900												
20	QPSK	1	1	21.85	22.12	22.18	23.5	0.0				
Channel												
Frequency (MHz)												
834800 833336 834900												

Part27O n78 PC3 An11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MTR (dB)	
Channel									
Frequency (MHz)									
3750 3790 3850									
100	P12 BPSK	1	1	21.67			23.5	0.0	
100	P12 BPSK	1	137		21.94				
100	P12 BPSK	1	271		21.60				
100	P12 BPSK	136	0	21.60			23.5	0.0	
100	P12 BPSK	135	139	21.63			23.5	0.0	
100	QPSK	1	1	22.05			23.5	0.0	
100	QPSK	1	137		21.60				
100	QPSK	1	271		21.62				
100	QPSK	135	0	21.63			23.5	0.0	
100	QPSK	135	139	21.63			23.5	0.0	
100	QPSK	136	66	21.64			23.5	0.0	
100	QPSK	135	138	21.63			23.5	0.0	
100	QPSK	270	0	21.65			23.5	0.0	
100	16QAM	1	1	26.75			22.5	1.0	
100	16QAM	1	1	18.88					
Channel									
64666 64666 65034									
Frequency (MHz)									
3474 3474 3500									
50	QPSK	1	1	21.50	21.50	22.50	23.5	0.0	
Channel									
64666 64666 65066									
Frequency (MHz)									
3474 3474 3500									
80	QPSK	1	1	21.78	21.80	22.30	23.0	0.0	
Channel									
64600 64600 65300									
Frequency (MHz)									
3290 3290 3320									
70	QPSK	1	1	21.91	21.91	21.92	23.0	0.0	
Channel									
64666 64666 65066									
Frequency (MHz)									
3474 3474 3500									
80	QPSK	1	1	21.77	21.88	21.91	23.0	0.0	
Channel									
37515 37515 37815									
Frequency (MHz)									
3728 3728 3782									
50	QPSK	1	1	21.50	21.50	21.54	23.0	0.0	
Channel									
3720 3720 3762									
40	QPSK	1	1	21.65	21.68	21.68	23.0	0.0	
Channel									
64706 64706 65334									
Frequency (MHz)									
3412 3412 3411									
30	QPSK	1	1	21.69	21.69	21.71	23.0	0.0	
Channel									
64734 64734 65266									
Frequency (MHz)									
3412 3412 3411									
30	QPSK	1	1	21.72	21.80	21.81	23.0	0.0	

Part270 n78 PC2 An11											
BW (MHz)	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	23.78	3750	3750	25.0	0.0			
100	P12-BPSK	1	137	23.69							
100	P12-BPSK	1	271	23.27							
100	P12-BPSK	135	3	23.18			24.5	0.5			
100	P12-BPSK	135	66	23.58			25.0	0.0			
100	P12-BPSK	135	138	22.84			24.5	0.5			
100	P12-BPSK	370	6	23.09			24.5	0.5			
100	QPSK	1	1	23.74			25.0	0.0			
100	QPSK	1	137	23.67							
100	QPSK	1	271	23.66			24.5	0.5			
100	QPSK	135	0	22.48			25.0	0.0			
100	QPSK	135	66	23.08			25.0	0.0			
100	QPSK	135	138	22.67			24.5	1.0			
100	QPSK	370	3	22.01			24.5	1.0			
100	16QAM	1	1	22.58			24.0	1.0			
100	64QAM	1	1	20.95			22.5	2.5			
100	256QAM	1	1	18.34			20.5	4.5			
Channel											
Frequency (MHz)											
50	QPSK	1	1	60688	60690	60698	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	66934	66936	66938	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	73155	73156	73157	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
70	QPSK	1	1	69000	69000	69108	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
60	QPSK	1	1	7195	3750	3762	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
50	QPSK	1	1	3750.02	3750	3770.01	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
50	QPSK	1	1	3750.01	3750	3770.02	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
40	QPSK	1	1	3720	3750	3780	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
30	QPSK	1	1	61668	61668	61674	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	61734	61734	61738	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	61731	61731	61744	Tune-up limit (dB)	MPR			

Part27Q 78 PC3 An11											
BW (MHz)	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	21.78	3500.51		23.5	0.0			
100	P12-BPSK	1	137	21.64							
100	P12-BPSK	1	271	21.67							
100	P12-BPSK	135	3	21.57			23.5	0.0			
100	P12-BPSK	135	66	21.82			23.5	0.0			
100	P12-BPSK	135	138	21.68			23.5	0.0			
100	P12-BPSK	370	6	21.59			23.5	0.0			
100	QPSK	1	1	21.91			23.5	0.0			
100	QPSK	1	137	21.79							
100	QPSK	1	271	21.73			23.5	0.0			
100	QPSK	135	0	21.82			23.5	0.0			
100	QPSK	135	66	21.72			23.5	0.0			
100	QPSK	135	138	21.47			23.5	0.0			
100	QPSK	370	3	21.71			23.5	0.0			
100	16QAM	1	1	21.72			23.5	0.0			
100	64QAM	1	1	20.73			22.5	1.0			
100	256QAM	1	1	18.34			20.5	3.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	63000	63334	63088	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	63688	63334	63408	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	74000	74000	74020	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
70	QPSK	1	1	63234	63334	63434	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
60	QPSK	1	1	3400.51	3500.51	3500.51	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
50	QPSK	1	1	21.84	21.78	21.86	23.5	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	21.81	21.68	21.80	23.5	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	61000	61000	61020	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
30	QPSK	1	1	61000	61034	61068	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	60968	61034	61068	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	21.63	21.50	21.78	23.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	21.67	21.50	21.71	23.5	0.0			

Part27Q 78 PC2 An11											
BW (MHz)	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	22.47	3500.51		25.0	0.0			
100	P12-BPSK	1	137	22.54							
100	P12-BPSK	1	271	22.25							
100	P12-BPSK	135	3	22.95			21.5	3.5			
100	P12-BPSK	135	66	22.43			25.0	0.0			
100	P12-BPSK	135	138	22.60			24.5	0.5			
100	P12-BPSK	370	6	22.95			24.5	0.5			
100	QPSK	1	1	23.67			25.0	0.0			
100	QPSK	1	137	23.20							
100	QPSK	1	271	23.46			21.5	3.5			
100	QPSK	135	0	22.34			25.0	0.0			
100	QPSK	135	66	23.00			25.0	0.0			
100	QPSK	135	138	22.60			21.5	3.5			
100	QPSK	370	3	22.95			24.5	0.5			
100	16QAM	1	1	22.46			24.0	1.0			
100	256QAM	1	1	20.87			22.5	2.5			
100	256QAM	1	1	18.74			20.5	4.5			
Channel											
Frequency (MHz)											
50	QPSK	1	1	63000	63034	63088	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.27	25.05	25.45	25.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	63068	63068	63060	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
80	QPSK	1	1	22.47	25.47	25.30	25.0	0.0			
80	QPSK	1	1	63134	63134	63134	Tune-up limit (dB)	MPR			
80	QPSK	1	1	64521	64502.1	64511	Tune-up limit (dB)	MPR			
80	QPSK	1	1	65501	65500	65500	Tune-up limit (dB)	MPR			
80	QPSK	1	1	22.30	25.00	25.24	25.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	34152	34150.1	34151	Tune-up limit (dB)	MPR			
50	QPSK	1	1	34247	34243	34238	25.0	0.0			
50	QPSK	1	1	34319	34318	34318	Tune-up limit (dB)	MPR			
40	QPSK	1	1	34451	34449.1	34446	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	63000	63034	63088	Tune-up limit (dB)	MPR			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.27	25.04	25.44	25.0	0.0			



n5 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
20	PSSBFSK	1	1	24.48	24.52	24.53		
20	PSSBFSK	1	53	24.37	24.41	24.24	25.5	0.0
30	PSSBFSK	1	104	24.26	24.40	24.33		
20	PSSBFSK	50	5	24.17	24.08	24.08	25.0	0.5
20	PSSBFSK	50	28	24.13	23.99	23.98	25.5	0.0
20	PSSBFSK	50	55	24.21	24.34	24.29		
20	PSSBFSK	100	0	23.85	23.53	23.53	25.0	0.5
20	QPSK	1	1	24.44	24.50	24.53		
20	QPSK	1	53	24.37	24.50	24.48	25.5	0.0
20	QPSK	1	104	24.48	24.52	24.38		
20	QPSK	50	0	23.40	23.53	23.62	24.5	1.0
20	QPSK	50	26	23.57	23.67	23.58	25.0	0.8
20	QPSK	50	50	23.67	23.85	23.58		
20	QPSK	100	0	22.55	22.60	22.55	24.5	1.0
20	ISQAM	1	1	23.50	23.40	23.50	24.0	1.0
20	ISQAM	1	1	22.25	22.17	22.15	23.0	1.5
20	ISQAM	1	1	20.12	20.04	20.16	21.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.40	24.60	24.47	25.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.46	24.55	24.54	25.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	24.42	24.67	24.40	25.5	0.0

DSIS								
n7 Ant0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
50	PSSBFSK	1	1	22.12	22.18	22.09		
50	PSSBFSK	1	135	22.07	22.13	22.02	24.0	0.0
50	PSSBFSK	1	266	22.01	22.11	22.17		
50	PSSBFSK	136	5	21.87	21.73	21.84	23.0	0.5
50	PSSBFSK	136	48	22.08	22.23	22.08	24.0	0.0
50	PSSBFSK	136	135	21.84	21.79	21.88	23.5	0.5
50	PSSBFSK	270	0	21.68	21.78	21.84		
50	QPSK	1	1	22.16	22.08	22.02		
50	QPSK	1	135	22.05	22.15	22.02	24.0	0.0
50	QPSK	1	266	22.03	22.12	22.05		
50	QPSK	136	0	21.07	21.13	21.11	23.0	1.0
50	QPSK	136	48	22.07	22.17	22.01	24.0	0.8
50	QPSK	136	135	20.81	20.91	20.80		
50	QPSK	270	0	20.90	21.00	20.88	23.0	1.0
50	ISQAM	1	1	21.14	21.20	21.16	23.0	1.0
50	ISQAM	1	1	19.76	19.67	19.85	21.0	1.5
50	ISQAM	1	1	17.88	17.78	17.92	18.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
40	QPSK	1	1	21.84	22.11	21.86	24.0	0.0
Channel				505000	507000	510000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
30	QPSK	1	1	21.88	22.08	21.97	24.0	0.0
Channel				505000	507000	510000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
25	QPSK	1	1	21.83	22.13	21.84	24.0	0.0
Channel				505000	507000	510000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
20	QPSK	1	1	21.89	22.03	21.91	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
15	QPSK	1	1	21.17	22.00	21.96	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
10	QPSK	1	1	22.18	22.04	22.04	24.0	0.0
Channel				506000	507000	518000	Tune-up limit (dBm)	MPE
Frequency (MHz)								
5	QPSK	1	1	22.07	22.00	22.08	24.0	0.8

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up limit (dBm)	MPE (dB)
Channel				346000	346000	346000		
Frequency (MHz)								
40	PSSBFSK	1	1	20.53	20.57	20.58		
40	PSSBFSK	1	108	20.51	20.62	20.85	22.5	0.0
40	PSSBFSK	1	214	20.53	20.70	20.52		
40	PSSBFSK	108	5	20.89	20.70	20.82	22.0	0.8
40	PSSBFSK	108	54	20.70	20.72	20.59	22.5	0.0
40	PSSBFSK	108	108	20.69	20.50	20.52		
40	PSSBFSK	216	0	20.66	20.64	20.54	22.5	0.0
40	QPSK	1	1	20.56	20.57	20.58		
40	QPSK	1	108	20.51	20.70	20.58	22.5	0.0
40	QPSK	1	214	20.58	20.66	20.85		
40	QPSK	108	0	20.63	20.54	20.53	22.5	0.8
40	QPSK	108	54	20.57	20.70	20.58	22.5	0.8
40	QPSK	108	108	20.58	20.87	20.80		
40	QPSK	216	0	20.52	20.80	20.54	22.5	0.0
40	ISQAM	1	1	20.59	20.59	20.86	22.0	0.0
40	ISQAM	1	1	20.11	20.16	20.16	21.0	1.5
40	ISQAM	1	1	18.98	18.90	18.90	18.0	2.5
Channel				345000	346000	353000	Tune-up limit (dBm)	MPE
Frequency (MHz)				1712.1	1712.6	1712.6		
30	QPSK	1	1	20.52	20.65	20.55	22.0	0.0
Channel				345000	346000	354000	Tune-up limit (dBm)	MPE
Frequency (MHz)				1712.1	1712.6	1712.6		
20	QPSK	1	1	20.58	20.51	20.50	22.5	0.0
Channel				345000	346000	354000	Tune-up limit (dBm)	MPE
Frequency (MHz)				1712.1	1712.6	1712.6		
15	QPSK	1	1	20.55	20.50	20.55	22.5	0.0
Channel				345000	346000	354000	Tune-up limit (dBm)	MPE
Frequency (MHz)				1712.1	1712.6	1712.6		
10	QPSK	1	1	20.74	20.60	20.64	22.5	0.0
Channel				342000	346000	356000	Tune-up limit (dBm)	MPE
Frequency (MHz)				1712.1	1712.6	1712.6		
5	QPSK	1	1	20.14	20.98	20.67	22.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	21.22	21.63	21.43			
40	PSSBPSK	1	93	21.18	21.50	21.37	23.0	0.0	
40	PSSBPSK	1	104	21.37	21.50	21.29			
40	PSSBPSK	30	0	21.37	21.50	21.40	23.0	0.0	
40	PSSBPSK	30	26	21.39	21.57	21.44	23.0	0.0	
40	PSSBPSK	30	66	21.36	21.43	21.31			
40	PSSBPSK	186	0	21.30	21.57	21.24	23.0	0.0	
40	QPSK	1	1	21.39	21.53	21.44			
40	QPSK	1	93	21.37	21.40	21.30	23.0	0.0	
40	QPSK	1	104	21.25	21.30	21.38			
40	QPSK	30	0	20.91	21.10	20.94	22.5	0.5	
40	QPSK	30	26	21.27	21.40	21.23	23.0	0.0	
40	QPSK	30	66	20.90	21.00	20.84	22.5	0.5	
40	QPSK	186	0	20.96	21.00	20.86			
40	ISQAM	1	1	20.89	21.10	21.02	22.5	0.5	
40	ISQAM	1	1	19.45	19.48	19.35	21.0	2.0	
40	ISQAM	1	1	17.51	17.60	17.47	19.5	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.51	20.97	20.74	Time-up limit (dBm)	MTR	
30	QPSK	1	1	21.18	21.54	21.25	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.20	21.30	21.44	23.0	0.0	

n41 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	21.03	21.04	21.10			
100	PSSBPSK	1	137	21.09	21.63	21.73	23.5	0.0	
100	PSSBPSK	1	271	21.06	21.7	21.65			
100	PSSBPSK	136	0	21.31	21.23	21.22	23.0	0.5	
100	PSSBPSK	136	66	21.51	21.50	21.66	23.0	0.0	
100	PSSBPSK	136	136	21.61	21.00	21.00			
100	PSSBPSK	270	0	21.24	21.15	21.31	23.0	0.5	
100	QPSK	1	1	22.09	22.13	21.93			
100	QPSK	1	137	21.62	21.63	21.61	23.5	0.0	
100	QPSK	1	271	21.55	21.60	21.66			
100	QPSK	136	0	20.79	20.65	20.69	22.5	1.0	
100	QPSK	136	66	22.05	22.07	21.91	23.5	0.0	
100	QPSK	136	136	20.51	20.61	20.66	22.5	1.0	
100	QPSK	270	0	21.66	21.60	21.60			
100	ISQAM	1	1	20.53	20.54	20.57	22.5	1.0	
100	ISQAM	1	1	19.43	19.41	19.49	21.0	2.5	
100	ISQAM	1	1	17.38	17.33	17.40	19.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.04	22.05	21.97	Time-up limit (dBm)	MTR	
90	QPSK	1	1	22.04	22.05	21.76	23.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.96	22.03	21.95	23.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.03	22.08	21.92	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.96	22.03	21.93	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.94	22.00	21.83	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.69	22.00	21.80	23.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.01	22.07	21.94	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.05	22.05	21.80	23.5	0.0	

Par270 n77 PC3 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	21.94	21.63	21.57			
100	PSSBPSK	1	137	21.60	21.60	21.53	23.5	0.0	
100	PSSBPSK	1	271	21.58	21.52	21.66			
100	PSSBPSK	136	0	21.45	21.50	21.51	23.0	0.5	
100	PSSBPSK	136	66	21.76	21.67	21.74	23.0	0.0	
100	PSSBPSK	136	136	21.59	21.70	21.66			
100	PSSBPSK	270	0	21.30	21.35	21.38	23.0	0.5	
100	QPSK	1	1	21.62	21.60	21.66			
100	QPSK	1	137	21.66	21.70	21.71	23.5	0.0	
100	QPSK	1	271	21.62	21.67	21.58			
100	QPSK	136	0	21.67	21.56	21.70	22.5	1.0	
100	QPSK	136	66	21.61	21.60	21.70	23.5	0.0	
100	QPSK	136	136	20.84	20.69	20.70	22.5	1.0	
100	QPSK	270	0	20.96	20.90	20.87			
100	ISQAM	1	1	20.53	20.54	20.57	22.5	1.0	
100	ISQAM	1	1	19.48	19.35	19.48	21.0	2.5	
100	ISQAM	1	1	17.97	17.80	17.90	19.5	4.5	
Channel									
				947668	946608	942434	Time-up limit (dBm)	MTR	
Frequency (MHz)									
90	QPSK	1	1	21.94	21.68	21.52	23.5	0.0	
Channel									
				946334	945000	940866	Time-up limit (dBm)	MTR	
Frequency (MHz)									
80	QPSK	1	1	21.61	21.70	21.63	23.5	0.0	
Channel									
				946000	945000	943000	Time-up limit (dBm)	MTR	
Frequency (MHz)									
70	QPSK	1	1	21.61	21.74	21.57	23.5	0.0	
Channel									
				945812	944600	940416	Time-up limit (dBm)	MTR	
Frequency (MHz)									
60	QPSK	1	1	21.62	21.76	21.56	23.5	0.0	
Channel									
				945511	944300	940102	Time-up limit (dBm)	MTR	
Frequency (MHz)									
50	QPSK	1	1	21.68	21.67	21.60	23.5	0.0	
Channel									
				945000	944000	940000	Time-up limit (dBm)	MTR	
Frequency (MHz)									
40	QPSK	1	1	21.69	21.60	21.60	23.5	0.0	
Channel									
				947668	946608	942434	Time-up limit (dBm)	MTR	
Frequency (MHz)									
30	QPSK	1	1	21.72	21.84	21.60	23.5	0.0	
Channel									
				947334	946000	940866	Time-up limit (dBm)	MTR	
Frequency (MHz)									
20	QPSK	1	1	21.64	21.76	21.67	23.5	0.0	

Part27Q n77 PC3 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				6333.54							
100	PSS-BPSK	1	1	21.08			23.5	0.0			
100	PSS-BPSK	1	137	21.70							
100	PSS-BPSK	1	271	21.69							
100	PSS-BPSK	135	0	21.08			23.5	0.0			
100	PSS-BPSK	135	66	21.91							
100	PSS-BPSK	135	135	21.94							
100	PSS-BPSK	270	0	21.52			25.0	0.5			
100	QPSK	1	1	22.04							
100	QPSK	1	137	22.00							
100	QPSK	1	271	21.81			23.5	0.0			
100	QPSK	135	0	21.78							
100	QPSK	135	66	22.00							
100	QPSK	135	135	20.99			23.5	0.0			
100	QPSK	270	0	22.04							
100	QPSK	270	0	21.54							
100	ISQAM	1	1	19.59			24.0	2.5	2.5		
100	ISQAM	1	1	17.88			19.0				
100	ISQAM	1	1								
Channel											
Frequency (MHz)				6333.54		6333.68	Tune-up Int. (dBm)	MPR			
50	QPSK	1	1	21.75	21.81	21.87	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6336.68		6333.94	6340.08				
80	QPSK	1	1	21.70	21.72	21.87	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6333.94		6333.94	6343.94				
70	QPSK	1	1	21.63	21.89	21.89	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6460.00		6460.01	6460.00				
80	QPSK	1	1	21.63	21.74	21.89	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6470.00		6470.01	6470.00				
50	QPSK	1	1	21.70	21.77	21.68	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6470.00		6470.01	6470.01				
40	QPSK	1	1	21.68	21.69	21.73	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6310.00		6333.94	6366.68				
30	QPSK	1	1	21.80	21.84	21.73	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6366.68		6333.94	6360.00				
20	QPSK	1	1	21.70	21.69	21.68	23.5	0.0	0.0		
Channel											
Frequency (MHz)				6470.00		6470.01	6470.00				

Part27O n78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	PSS-BPSK	1	1	21.84			23.5	0.0	
100	PSS-BPSK	1	137	21.08					
100	PSS-BPSK	1	271	21.64					
100	PSS-BPSK	135	0	21.91			23.5	0.0	
100	PSS-BPSK	135	66	21.79					
100	PSS-BPSK	135	135	21.92					
100	PSS-BPSK	270	0	21.74			23.5	0.0	
100	QPSK	1	1	22.04					
100	QPSK	1	137	21.89					
100	QPSK	1	271	21.78			23.5	0.0	
100	QPSK	135	0	21.89					
100	QPSK	135	66	21.79					
100	QPSK	135	135	21.53			23.5	0.0	
100	QPSK	270	0	22.04					
100	QPSK	270	0	21.55					
100	ISQAM	1	1	21.09			22.5	1.0	
100	ISQAM	1	1	19.01					
Channel				6466.68	6500.00	6503.94			
Frequency (MHz)				3751.52	3751.52	3751.52			
50	QPSK	1	1	21.63	21.68	21.64	23.5	0.0	
Channel				6463.94	6500.00	6506.68			
Frequency (MHz)				3751.52	3751.52	3751.52			
80	QPSK	1	1	21.55	21.64	21.80	23.5	0.0	
Channel				6460.00	6500.00	6510.00			
Frequency (MHz)				3751.52	3751.52	3751.52			
70	QPSK	1	1	21.65	21.81	21.57	23.5	0.0	
Channel				6466.68	6500.00	6510.00			
Frequency (MHz)				3751.52	3751.52	3751.52			
80	QPSK	1	1	21.61	21.59	21.58	23.5	0.0	
Channel				6470.00	6500.00	6510.00			
Frequency (MHz)				3751.52	3751.52	3751.52			
50	QPSK	1	1	21.50	21.68	21.50	23.5	0.0	
Channel				6470.00	6500.00	6510.00			
Frequency (MHz)				3751.52	3751.52	3751.52			
40	QPSK	1	1	21.53	21.69	21.60	23.5	0.0	
Channel				6470.00	6500.00	6510.00			
Frequency (MHz)				3751.52	3751.52	3751.52			
30	QPSK	1	1	21.64	21.63	21.59	23.5	0.0	
Channel				6473.94	6500.00	6506.68			
Frequency (MHz)				3751.52	3751.52	3751.52			
20	QPSK	1	1	21.59	21.64	21.58	23.5	0.0	
Channel				6470.00	6500.00	6510.00			
Frequency (MHz)				3751.52	3751.52	3751.52			

Part27O n78 PC2 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				3750		3750	3750				
100	PSS-BPSK	1	1	21.78				25.0	0.0		
100	PSS-BPSK	1	137	21.62							
100	PSS-BPSK	1	271	22.62							
100	PSS-BPSK	135	0	22.07				24.5	0.5		
100	PSS-BPSK	135	66	22.24							
100	PSS-BPSK	135	135	21.09							
100	PSS-BPSK	270	0	21.09				24.5	0.5		
100	QPSK	1	1	23.46							
100	QPSK	1	137	23.14							
100	QPSK	1	271	22.45				24.5	1.0		
100	QPSK	135	0	22.33							
100	QPSK	135	66	23.05							
100	QPSK	135	135	21.89				24.5	1.0		
100	QPSK	270	0	22.15							
100	QPSK	270	0	21.50			25.0				
100	ISQAM	1	1	20.77			24.5	1.0	1.0		
100	ISQAM	1	1	19.59			24.5				
100	ISQAM	1	1								
Channel											
Frequency (MHz)				6466.68		6500.00	6503.94	Tune-up Int. (dBm)	MPR		
50	QPSK	1	1	21.52	21.50	21.34	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6463.94		6500.00	6506.68				
80	QPSK	1	1	21.26	21.24	21.18	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6460.00		6500.00	6510.00				
70	QPSK	1	1	21.29	21.16	21.22	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.0	0.0		
Channel											
Frequency (MHz)				6466.68		6466.68	6470.00				
80	QPSK	1	1	21.30	21.24	21.29	25.0	0.			

Part27Q 78 PC3 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63334		3560.91			
Frequency [MHz]				21.29					
100	PSS-BPSK	1	1	21.29			23.5	0.0	
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	21.53					
100	PSS-BPSK	136	5	21.88			23.5	0.0	
100	PSS-BPSK	136	89	21.94					
100	PSS-BPSK	136	126	21.78					
100	PSS-BPSK	270	5	21.28			25.0	0.5	
100	PSS-BPSK	270	5	21.28					
100	QPSK	1	1	22.00					
100	QPSK	1	137	21.84			23.5	0.0	
100	QPSK	1	271	21.83					
100	QPSK	136	5	21.88					
100	QPSK	136	89	21.83			23.5	0.0	
100	QPSK	136	126	21.59					
100	QPSK	270	5	21.28					
100	QPSK	270	5	21.28			25.0	1.0	
100	IQ-QAM	1	1	21.20					
100	IQ-QAM	1	1	21.19					
100	IQ-QAM	1	1	21.19			24.0	2.5	
100	IQ-QAM	1	1	21.19					
100	IQ-QAM	1	1	21.19					
Channel				63300		63334	63368	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.74		20.74	20.74		
50	QPSK	1	1	21.75	21.77	21.88	23.5	0.0	
Channel				63368		63334	63400	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
80	QPSK	1	1	21.70	21.79	21.70	23.5	0.0	
Channel				63234		63334	63434	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.51		20.81	21.11		
70	QPSK	1	1	21.73	21.68	21.75	23.5	0.0	
Channel				63400		63334	63468	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
60	QPSK	1	1	21.70	21.77	21.70	23.5	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.75		20.75	20.75		
50	QPSK	1	1	21.68	21.68	21.68	23.5	0.0	
Channel				63134		63168	63202	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
40	QPSK	1	1	21.68	21.68	21.68	23.5	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
30	QPSK	1	1	21.71	21.72	21.63	23.5	0.0	
Channel				63068		63334	63600	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.63		20.74	20.85		
20	QPSK	1	1	21.67	21.66	21.60	23.5	0.0	

Part27Q 78 PC2 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel				63334		3560.91			
Frequency [MHz]				21.29					
100	PSS-BPSK	1	1	21.29			25.0	0.0	
100	PSS-BPSK	1	137	21.87					
100	PSS-BPSK	1	271	21.53					
100	PSS-BPSK	136	5	21.88			24.5	0.5	
100	PSS-BPSK	136	89	21.98					
100	PSS-BPSK	136	126	21.78					
100	PSS-BPSK	270	5	21.27			24.5	0.5	
100	PSS-BPSK	270	5	21.27					
100	QPSK	1	1	23.30					
100	QPSK	1	137	22.23			25.0	0.0	
100	QPSK	1	271	22.27					
100	QPSK	136	5	22.76					
100	QPSK	136	89	23.79			25.0	0.0	
100	QPSK	136	126	21.70					
100	QPSK	270	5	22.24					
100	QPSK	270	5	21.75			25.0	1.0	
100	IQ-QAM	1	1	21.75					
100	IQ-QAM	1	1	20.88					
100	IQ-QAM	1	1	19.75			25.5	4.5	
100	IQ-QAM	1	1	19.75					
100	IQ-QAM	1	1	19.75					
Channel				63300		63334	63368	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.74		20.74	20.74		
50	QPSK	1	1	23.10	23.25	23.20	25.0	0.0	
Channel				63368		63334	63400	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
80	QPSK	1	1	23.17	23.26	23.29	25.0	0.0	
Channel				63234		63334	63434	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.51		20.81	21.11		
70	QPSK	1	1	23.20	23.29	23.28	25.0	0.0	
Channel				63400		63334	63468	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.80		20.80	20.80		
60	QPSK	1	1	23.19	23.28	23.19	25.0	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.75		20.75	20.75		
50	QPSK	1	1	23.22	23.21	23.21	25.0	0.0	
Channel				63134		63168	63202	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
40	QPSK	1	1	23.27	23.23	23.23	25.0	0.0	
Channel				63100		63134	63168	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.70		20.70	20.70		
30	QPSK	1	1	23.14	23.28	23.20	25.0	0.0	
Channel				63068		63334	63600	Tune-up Int. (dB)	MPR
Frequency [MHz]				20.63		20.74	20.85		
20	QPSK	1	1	23.12	23.29	23.17	25.0	0.0	

n5 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MFR (dB)
Channel				16480	16736	16992		
Frequency (MHz)				164	168	172		
20	PL2 BPSK	1	1	20.03	20.03	19.94	20.5	0.0
20	PL2 BPSK	1	63	20.05	20.05	19.93		
20	PL2 BPSK	1	104	20.03	20	19.94		
20	PL2 BPSK	50	0	19.97	19.93	19.81	20.5	0.0
20	PL2 BPSK	50	26	20.00	20.04	19.81	20.5	0.0
20	PL2 BPSK	50	56	19.96	20.04	19.86	20.5	0.0
20	PL2 BPSK	100	0	20.12	20.05	20.04		
20	QPSK	1	1	20.12	20.21	20.03		
20	QPSK	1	63	20.05	20.12	19.85	20.5	0.0
20	QPSK	1	104	20	19.98	19.98	20.5	0.0
20	QPSK	50	0	19.94	20.15	19.88		
20	QPSK	50	26	20.02	20.17	19.93		
20	QPSK	50	56	19.98	20.07	20.02	20.5	0.0
20	QPSK	100	0	19.93	20.05	19.96	20.5	0.0
20	16QAM	1	1	19.99	20.04	19.95		
20	16QAM	1	1	19.99	20.04	19.92		
20	256QAM	1	1	20.14	20.04	19.88	20.5	0.0
Channel				16850	16736	16950	Time-up limit	MFR
Frequency (MHz)				168	168	168	dBm	dB
15	QPSK	1	1	20.05	20.11	19.85	20.5	0.0
Channel				16980	16736	16850	Time-up limit	MFR
Frequency (MHz)				169	168	168	dBm	dB
10	QPSK	1	1	20.05	20.15	19.91	20.5	0.0
Channel				16500	16736	16900	Time-up limit	MFR
Frequency (MHz)				165	168	168	dBm	dB
5	QPSK	1	1	19.96	20.05	19.95	20.5	0.0

n7 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2471	2471	2545	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				19.14	19.20	19.34			
50	P12 BPSK	1	1	19.14	19.20	19.34	21.0	0.0	
50	P12 BPSK	1	136	19.18	19.20	19.37			
50	P12 BPSK	1	268	19.23	19.66	19.43			
50	P12 BPSK	136	0	19.34	19.61	19.29	21.0	0.0	
50	P12 BPSK	136	68	19.34	19.61	19.35	21.0	0.0	
50	P12 BPSK	136	136	19.18	19.67	19.28			
50	P12 BPSK	272	0	19.18	19.65	19.41	21.0	0.0	
50	QPSK	1	1	19.35	19.60	19.42			
50	QPSK	1	136	19.35	19.20	19.21	21.0	0.0	
50	QPSK	1	268	19.20	19.74	19.38			
50	QPSK	136	0	19.24	19.66	19.21	21.0	0.0	
50	QPSK	136	68	19.23	19.20	19.23	21.0	0.0	
50	QPSK	136	136	19.15	19.20	19.42	21.0	0.0	
50	QPSK	272	0	19.26	19.60	19.41			
50	16QAM	1	1	19.20	19.65	19.31	21.0	0.0	
50	16QAM	1	1	19.28	19.66	19.27	21.0	0.0	
50	256QAM	1	1	17.78	17.77	17.81	19.5	1.5	
Channel				504500	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.50	50.70	51.00			
40	QPSK	1	1	50.50	50.50	50.50	21.0	0.0	
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.50	50.70	51.00			
30	QPSK	1	1	50.22	50.20	50.28	21.0	0.0	
Channel				505500	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.55	50.70	50.75			
25	QPSK	1	1	50.27	50.73	50.30	21.0	0.0	
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.60	50.70	50.80			
20	P12 BPSK	1	1	50.34	50.20	50.38	21.0	0.0	
Channel				506500	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.65	50.70	50.85			
15	QPSK	1	1	50.25	50.25	50.25	21.0	0.0	
Channel				507000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.70	50.70	50.70			
10	QPSK	1	1	50.15	50.60	50.43	21.0	0.0	
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				50.80	50.70	50.70			
5	QPSK	1	1	50.37	50.60	50.21	21.0	0.0	

n66 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1730	1740	1740			
Frequency (MHz)				17.30	17.40	17.40			
40	P12 BPSK	1	1	22.50	22.20	22.81			
40	P12 BPSK	1	108	22.45	22.20	22.58	23.5	0.0	
40	P12 BPSK	1	214	22.37	22.61	22.52			
40	P12 BPSK	108	0	22.51	22.61	22.27	23.5	0.0	
40	P12 BPSK	108	54	22.41	22.50	22.62	23.5	0.0	
40	P12 BPSK	108	108	22.44	22.60	22.67			
40	P12 BPSK	216	0	22.35	22.20	22.51	23.5	0.0	
40	QPSK	1	1	22.58	22.20	22.88			
40	QPSK	1	108	22.57	22.20	22.67	23.5	0.0	
40	QPSK	1	214	22.47	22.61	22.65			
40	QPSK	108	0	22.43	22.55	22.52	23.5	0.0	
40	QPSK	108	54	22.42	22.50	22.65	23.5	0.0	
40	QPSK	108	108	22.44	22.61	22.61	23.5	0.0	
40	QPSK	216	0	22.45	22.60	22.20			
40	16QAM	1	1	22.45	22.20	22.48	23.5	0.0	
40	16QAM	1	1	22.60	21.91	22.67	23.0	0.5	
40	256QAM	1	1	19.85	19.85	19.75	21.0	2.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34.50	34.90	35.30			
30	QPSK	1	1	22.47	22.55	22.63	23.5	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34.60	34.90	34.90			
30	QPSK	1	1	22.54	22.21	22.66	23.5	0.0	
Channel				345500	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34.55	34.90	35.40			
15	QPSK	1	1	22.45	22.54	22.51	23.5	0.0	
Channel				346000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34.60	34.90	34.90			
10	QPSK	1	1	22.45	22.22	22.56	23.5	0.0	
Channel				346500	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				34.65	34.90	34.90			
5	QPSK	1	1	22.53	22.68	22.61	23.5	0.0	

n38 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S16004	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel				2090.02	2090	2090.98			
40	P12 BPSK	1	1	19.59	19.62	19.53			
40	P12 BPSK	1	53	19.63	19.55	19.55	21.0	0.0	
40	P12 BPSK	1	104	19.60	19.55	19.59			
40	P12 BPSK	50	0	19.55	19.51	19.63	21.0	0.0	
40	P12 BPSK	50	28	19.55	19.63	19.60	21.0	0.0	
40	P12 BPSK	50	56	19.51	19.47	19.45			
40	P12 BPSK	100	0	19.58	19.47	19.55	21.0	0.0	
40	QPSK	1	1	19.67	19.71	19.61			
40	QPSK	1	53	19.63	19.54	19.54	21.0	0.0	
40	QPSK	1	104	19.69	19.63	19.48			
40	QPSK	50	0	19.55	19.64	19.61	21.0	0.0	
40	QPSK	50	28	19.53	19.65	19.50	21.0	0.0	
40	QPSK	50	56	19.47	19.60	19.52	21.0	0.0	
40	QPSK	100	0	19.56	19.65	19.56			
40	16QAM	1	1	19.52	19.53	19.54	21.0	0.0	
40	64QAM	1	1	19.54	19.54	19.57	21.0	0.0	
40	256QAM	1	1	17.04	18.31	18.37	19.5	1.5	
Channel				517050	516990	516980	Time-up (ms)	MTR	
Frequency (MHz)				2053.61	2052	2053.69	(dBm)	(dB)	
30	QPSK	1	1	19.46	19.61	19.60	21.0	0.0	
Channel				518000	518000	520000	Time-up (ms)	MTR	
Frequency (MHz)				2090	2090	2100	(dBm)	(dB)	
30	QPSK	1	1	19.50	19.62	19.48	21.0	0.0	

n41 PC3 Ant3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S16005	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S16000	Time-up (ms) (dBm)	MTR (dB)	
Channel				2048.01	2048.30	2048			
100	P12 BPSK	1	1	19.61	19.61	19.53			
100	P12 BPSK	1	137	19.55	19.62	19.68	21.0	0.0	
100	P12 BPSK	1	271	19.51	19.70	19.67			
100	P12 BPSK	136	0	19.67	19.63	19.60	21.0	0.0	
100	P12 BPSK	136	68	19.70	19.61	19.60	21.0	0.0	
100	P12 BPSK	136	136	19.47	19.55	19.72			
100	P12 BPSK	270	0	19.62	19.65	19.58	21.0	0.0	
100	QPSK	1	1	19.69	19.62	19.74			
100	QPSK	1	137	19.60	19.74	19.57	21.0	0.0	
100	QPSK	1	271	19.47	19.70	19.73			
100	QPSK	136	0	19.50	19.61	19.53	21.0	0.0	
100	QPSK	136	68	19.60	19.60	19.63	21.0	0.0	
100	QPSK	136	136	19.59	19.59	19.52	21.0	0.0	
100	QPSK	270	0	19.54	19.65	19.71			
100	16QAM	1	1	19.54	19.55	19.55	21.0	0.0	
100	64QAM	1	1	19.58	19.61	19.60	21.0	0.0	
100	256QAM	1	1	18.18	18.21	18.37	19.5	1.5	
Channel				520500	518008	520500	Time-up (ms)	MTR	
Frequency (MHz)				2053	2048.3	2048.69	(dBm)	(dB)	
50	QPSK	1	1	19.71	19.70	19.60	21.0	0.0	
Channel				537204	518008	520500	Time-up (ms)	MTR	
Frequency (MHz)				2048.02	2060.30	2060.69	(dBm)	(dB)	
80	QPSK	1	1	19.61	19.64	19.60	21.0	0.0	
Channel				538202	518008	531000	Time-up (ms)	MTR	
Frequency (MHz)				2053.01	2062.30	2065	(dBm)	(dB)	
70	QPSK	1	1	19.58	19.60	19.65	21.0	0.0	
Channel				550500	518008	531000	Time-up (ms)	MTR	
Frequency (MHz)				2068	2062.30	2060.69	(dBm)	(dB)	
60	QPSK	1	1	19.61	19.72	19.53	21.0	0.0	
Channel				550500	518008	531000	Time-up (ms)	MTR	
Frequency (MHz)				2053.02	2062.30	2064.99	(dBm)	(dB)	
50	QPSK	1	1	19.52	19.62	19.66	21.0	0.0	
Channel				550500	518008	540000	Time-up (ms)	MTR	
Frequency (MHz)				2058.01	2062.30	2070	(dBm)	(dB)	
40	QPSK	1	1	19.57	19.62	19.60	21.0	0.0	
Channel				552000	518008	538000	Time-up (ms)	MTR	
Frequency (MHz)				2071	2062.30	2074.99	(dBm)	(dB)	
30	QPSK	1	1	19.54	19.70	19.68	21.0	0.0	
Channel				561204	518008	538000	Time-up (ms)	MTR	
Frequency (MHz)				2068.02	2062.30	2070.99	(dBm)	(dB)	
20	QPSK	1	1	19.55	19.63	19.49	21.0	0.0	

n7 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel				2525	2525	2545			
50	P12 BPSK	1	1	17.81	17.84	17.76	10.0	0.0	
50	P12 BPSK	1	136	17.68	17.50	17.75			
50	P12 BPSK	1	268	17.89	17.86	17.84			
50	P12 BPSK	136	0	17.83	17.54	17.81	10.0	0.0	
50	P12 BPSK	136	68	17.81	17.62	17.88	10.0	0.0	
50	P12 BPSK	136	136	17.62	17.64	17.65	10.0	0.0	
50	P12 BPSK	272	0	17.51	17.51	17.73			
50	QPSK	1	1	17.89	17.87	17.80			
50	QPSK	1	136	17.85	17.85	17.76	10.0	0.0	
50	QPSK	1	268	17.80	17.82	17.81			
50	QPSK	136	0	17.88	17.85	17.85			
50	QPSK	136	68	17.71	17.54	17.80	10.0	0.0	
50	QPSK	136	136	17.84	17.69	17.71	10.0	1.0	
50	QPSK	272	0	17.56	17.57	17.74	10.0	0.0	
50	16QAM	1	1	17.76	17.65	17.76			
50	64QAM	1	1	17.78	17.66	17.82			
50	256QAM	1	1	17.37	17.53	17.40	10.5	0.5	
Channel				504500	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				50500	50750	51000	(dB)	(dB)	
40	QPSK	1	1	17.80	17.90	17.91	10.0	0.0	
Channel				505000	507000	511000	Time-up (ms)	MTR	
Frequency (MHz)				50510	50650	51000	(dB)	(dB)	
30	QPSK	1	1	17.88	17.81	17.72	10.0	0.0	
Channel				505500	507000	511500	Time-up (ms)	MTR	
Frequency (MHz)				5053.2	50530	5053.5	(dBm)	(dB)	
25	QPSK	1	1	17.82	17.89	17.81	10.0	0.0	
Channel				506000	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				50610	50610	50610	(dBm)	(dB)	
20	P12 BPSK	1	1	17.79	17.82	17.89	10.0	0.0	
Channel				507000	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				5070.5	50705	5070.5	(dBm)	(dB)	
15	QPSK	1	1	17.77	17.80	17.88	10.0	0.0	
Channel				508000	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				508000	507000	510000	(dBm)	(dB)	
10	QPSK	1	1	17.76	17.80	17.86	10.0	0.0	
Channel				509000	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				5090.8	50708	51008	(dBm)	(dB)	
5	QPSK	1	1	17.91	17.94	17.74	10.0	0.0	

n66 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel				1730	1740	1740			
Frequency (MHz)				1730	1740	1740			
40	P12 BPSK	1	1	19.37	19.40	19.37	20.0	0.0	
40	P12 BPSK	1	108	19.58	19.67	19.53			
40	P12 BPSK	1	214	19.47	19.60	19.53			
40	P12 BPSK	108	0	19.56	19.83	19.80	20.0	0.0	
40	P12 BPSK	108	54	19.48	19.70	19.45	20.0	0.0	
40	P12 BPSK	108	108	19.46	19.77	19.47	20.0	0.0	
40	P12 BPSK	216	0	19.44	19.73	19.58			
40	QPSK	1	1	19.65	19.91	19.89			
40	QPSK	1	108	19.45	19.84	19.40	20.0	0.0	
40	QPSK	1	214	19.46	19.75	19.46			
40	QPSK	108	0	19.45	19.86	19.53			
40	QPSK	108	54	19.45	19.80	19.56	20.0	0.0	
40	QPSK	108	108	19.69	19.70	19.53	20.0	0.0	
40	QPSK	216	0	19.44	19.66	19.55	20.0	0.0	
40	16QAM	1	1	19.57	19.85	19.46			
40	64QAM	1	1	19.67	19.68	19.49			
40	256QAM	1	1	19.15	19.37	19.10	10.5	0.5	
Channel				345000	346000	347000	Time-up (ms)	MTR	
Frequency (MHz)				34500	34600	34700	(dB)	(dB)	
30	QPSK	1	1	19.54	19.80	19.40	20.0	0.0	
Channel				346000	346000	346000	Time-up (ms)	MTR	
Frequency (MHz)				34610	34610	34610	(dB)	(dB)	
30	QPSK	1	1	19.65	19.81	19.53	20.0	0.0	
Channel				346500	346000	346000	Time-up (ms)	MTR	
Frequency (MHz)				34613.2	34610	34612.5	(dBm)	(dB)	
15	QPSK	1	1	19.59	19.91	19.58	20.0	0.0	
Channel				347000	346000	346000	Time-up (ms)	MTR	
Frequency (MHz)				34700	34600	34600	(dBm)	(dB)	
10	QPSK	1	1	19.54	19.83	19.59	20.0	0.0	
Channel				347500	346000	346000	Time-up (ms)	MTR	
Frequency (MHz)				34722.5	34610	34717.5	(dBm)	(dB)	
5	QPSK	1	1	19.61	19.74	19.47	20.0	0.0	

n38 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S16004	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel				2590.02	2590	2590.98			
40	P12 BPSK	1	1	16.92	17.02	17.07			
40	P12 BPSK	1	53	16.98	17.17	16.97	18.5	0.0	
40	P12 BPSK	1	104	16.80	17.03	17.02			
40	P12 BPSK	50	0	16.98	17.09	17.08	18.5	0.0	
40	P12 BPSK	50	28	16.92	17.12	17.05	18.0	0.0	
40	P12 BPSK	50	56	16.95	17.10	16.96			
40	P12 BPSK	100	0	16.90	17.15	17.06	18.5	0.0	
40	QPSK	1	1	17.00	17.17	17.13			
40	QPSK	1	53	16.98	17.09	17.13	18.5	0.0	
40	QPSK	1	104	16.95	16.99	17.06			
40	QPSK	50	0	16.91	17.05	17.02	18.5	0.0	
40	QPSK	50	28	16.95	17.10	16.93	18.5	0.0	
40	QPSK	50	56	16.92	17.00	17.06			
40	QPSK	100	0	16.94	17.00	17.06	18.5	0.0	
40	16QAM	1	1	16.92	16.90	16.96	18.5	0.0	
40	64QAM	1	1	16.84	16.96	17.11	18.5	0.0	
40	256QAM	1	1	16.88	17.15	17.04	18.5	0.0	
Channel				5170.02	5169.99	5169.98	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	22.03.17	22.02	22.04.16	18.0	0.0	
30	QPSK	1	1	16.99	17.04	17.13	18.5	0.0	
Channel				5180.00	5180.00	5180.00	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	16.97	17.12	17.13	18.5	0.0	

n41 PC3 Ant4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq. S16004	Power Middle Ch. / Freq. S16006	Power High Ch. / Freq. S16008	Time-up (ms) (dBm)	MTR (dB)	
Channel				2546.01	2546.30	2546			
100	P12 BPSK	1	1	17.07	16.90	17.13			
100	P12 BPSK	1	137	17.10	17.14	16.97	18.5	0.0	
100	P12 BPSK	1	271	16.97	17.10	17.11			
100	P12 BPSK	136	0	16.99	17.15	17.00	18.5	0.0	
100	P12 BPSK	136	68	17.15	17.09	16.93	18.0	0.0	
100	P12 BPSK	270	0	17.14	17.05	17.06			
100	P12 BPSK	270	0	17.14	17.05	17.06	18.5	0.0	
100	QPSK	1	1	17.16	17.10	17.15			
100	QPSK	1	137	16.99	17.17	17.06	18.5	0.0	
100	QPSK	1	271	17.11	17.10	17.14			
100	QPSK	136	0	17.10	17.04	17.06	18.5	0.0	
100	QPSK	136	68	17.07	17.11	17.05	18.5	0.0	
100	QPSK	136	136	17.10	17.04	17.10			
100	QPSK	270	0	16.96	17.00	16.97	18.5	0.0	
100	16QAM	1	1	16.98	17.01	17.00	18.5	0.0	
100	64QAM	1	1	17.14	17.01	17.04	18.5	0.0	
100	256QAM	1	1	17.05	17.03	17.02	18.5	0.0	
Channel				5160.00	5160.06	5160.00	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	22.03.17	22.02.07	22.04.16	18.0	0.0	
30	QPSK	1	1	17.08	17.00	17.02	18.5	0.0	
Channel				5170.04	5169.98	5169.98	Time-up (ms) (dBm)	MTR (dB)	
30	QPSK	1	1	17.03	16.97	16.93	18.0	0.0	
Channel				5180.02	5180.06	5180.00	Time-up (ms) (dBm)	MTR (dB)	
70	QPSK	1	1	2531.01	2530.30	2530			
70	QPSK	1	1	17.03	17.14	17.17	18.0	0.0	
Channel				5190.00	5189.96	5189.98	Time-up (ms) (dBm)	MTR (dB)	
60	QPSK	1	1	17.08	17.13	17.13	18.5	0.0	
Channel				5190.05	5189.93	5189.93	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				2531.02	2530.30	2530.30			
Channel				17.16	17.04	17.12	18.5	0.0	
Frequency (MHz)				2530.05	2530.06	2530.02			
Frequency (MHz)				2530.01	2530.30	2530			
40	QPSK	1	1	16.97	17.00	17.11	18.0	0.0	
Channel				5190.00	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
Frequency (MHz)				17.14	17.13	17.14	18.5	0.0	
30	QPSK	1	1	17.14	16.98		18.5	0.0	
Channel				5190.04	5189.98	5189.98	Time-up (ms) (dBm)	MTR (dB)	
20	QPSK	1	1	17.08	17.00	17.15	18.5	0.0	

n7 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel				2525	2535	2545			
50	P12 BPSK	1	1	15.77	15.80	15.71			
50	P12 BPSK	1	136	15.79	15.50	15.84	16.5	0.0	
50	P12 BPSK	1	268	15.69	15.52	15.84			
50	P12 BPSK	136	0	15.68	15.85	15.77	16.5	0.0	
50	P12 BPSK	136	68	15.61	16.00	15.79	16.0	0.0	
50	P12 BPSK	136	136	15.74	15.96	15.75			
50	P12 BPSK	272	0	15.72	15.55	15.88	16.5	0.0	
50	QPSK	1	1	15.80	16.02	15.87			
50	QPSK	1	136	15.82	15.83	15.74	16.5	0.0	
50	QPSK	1	268	15.86	15.88	15.71			
50	QPSK	136	0	15.83	15.85	15.72	15.5	1.0	
50	QPSK	136	68	15.71	15.97	15.74	16.5	0.0	
50	QPSK	136	136	15.59	15.87	15.86	16.5	1.0	
50	QPSK	272	0	15.86	15.87	15.87			
50	16QAM	1	1	15.79	15.95	15.82	16.5	0.0	
50	16QAM	1	1	15.68	16.00	15.75	16.5	0.0	
50	256QAM	1	1	15.81	15.83	15.81	16.5	0.0	
Channel				504500	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				504500	507000	510000	(dB)	(dB)	
40	QPSK	1	1	15.73	15.85	15.84	16.5	0.0	
Channel				503000	507000	511000	Time-up (ms)	MTR	
Frequency (MHz)				503000	506000	510000	(dB)	(dB)	
30	QPSK	1	1	15.71	15.84	15.78	16.0	0.0	
Channel				502500	507000	511500	Time-up (ms)	MTR	
Frequency (MHz)				502500	505000	509500	(dB)	(dB)	
25	QPSK	1	1	15.82	15.93	15.85	16.0	0.0	
Channel				506000	507000	510000	Time-up (ms)	MTR	
Frequency (MHz)				506000	507000	508000	(dB)	(dB)	
20	P12 BPSK	1	1	15.71	15.93	15.74	16.5	0.0	
Channel				507000	507000	511000	Time-up (ms)	MTR	
Frequency (MHz)				507000	507000	510000	(dB)	(dB)	
15	QPSK	1	1	15.72	15.97	15.85	16.5	0.0	
Channel				5035000	5070000	5110000	Time-up (ms)	MTR	
Frequency (MHz)				5035000	5070000	5110000	(dB)	(dB)	
10	QPSK	1	1	15.74	15.93	15.79	16.5	0.0	
Channel				5000000	5070000	5130000	Time-up (ms)	MTR	
Frequency (MHz)				5000000	5070000	5130000	(dB)	(dB)	
5	QPSK	1	1	15.63	15.95	15.86	16.5	0.0	

n66 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up (ms)	MTR (dB)	
Channel				1730	1740	1740			
40	P12 BPSK	1	1	15.76	15.84	15.72			
40	P12 BPSK	1	108	15.83	15.97	15.79	17.0	0.0	
40	P12 BPSK	1	214	15.72	15.86	15.84			
40	P12 BPSK	108	0	15.81	15.81	15.71	17.0	0.0	
40	P12 BPSK	108	54	15.84	15.84	15.81	17.0	0.0	
40	P12 BPSK	108	108	15.75	15.82	15.80			
40	P12 BPSK	216	0	15.85	15.85	15.76	17.0	0.0	
40	QPSK	1	1	15.92	15.98	15.84			
40	QPSK	1	108	15.73	15.77	15.80	17.0	0.0	
40	QPSK	1	214	15.79	15.75	15.72			
40	QPSK	108	0	15.81	15.82	15.84	17.0	0.0	
40	QPSK	108	54	15.87	15.86	15.86	17.0	0.0	
40	QPSK	108	108	15.91	15.78	15.79	17.0	0.0	
40	QPSK	216	0	15.86	15.86	15.86			
40	16QAM	1	1	15.80	15.84	15.83	17.0	0.0	
40	16QAM	1	1	15.89	15.75	15.72	17.0	0.0	
40	256QAM	1	1	15.76	15.83	15.79	17.0	0.0	
Channel				345000	349000	353000	Time-up (ms)	MTR	
Frequency (MHz)				345000	347000	349000	(dB)	(dB)	
30	QPSK	1	1	15.82	15.75	15.73	17.0	0.0	
Channel				344000	349000	358000	Time-up (ms)	MTR	
Frequency (MHz)				344000	346000	348000	(dB)	(dB)	
30	QPSK	1	1	15.84	15.95	15.78	17.0	0.0	
Channel				343000	349000	354000	Time-up (ms)	MTR	
Frequency (MHz)				343000	346000	349000	(dB)	(dB)	
15	QPSK	1	1	15.71	15.91	15.82	17.0	0.0	
Channel				345000	349000	350000	Time-up (ms)	MTR	
Frequency (MHz)				345000	347000	349000	(dB)	(dB)	
10	QPSK	1	1	15.90	15.96	15.81	17.0	0.0	
Channel				345000	349000	350000	Time-up (ms)	MTR	
Frequency (MHz)				345000	347000	349000	(dB)	(dB)	
5	QPSK	1	1	15.72	15.96	15.80	17.0	0.0	



n38 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				518004	518000	518008			
Frequency (MHz)				2090.02	2090	2090.98			
40	P12 BPSK	1	1	18.06	18.00	17.94			
40	P12 BPSK	1	53	17.88	18.03	17.79	18.5	0.0	
40	P12 BPSK	1	104	17.98	17.87	17.72			
40	P12 BPSK	50	0	17.99	18.15	17.88	18.5	0.0	
40	P12 BPSK	50	28	17.93	18.12	17.84	18.0	0.0	
40	P12 BPSK	50	56	18.02	18.14	17.84			
40	P12 BPSK	100	0	17.98	18.05	17.78	18.5	0.0	
40	QPSK	1	1	18.04	18.17	17.87			
40	QPSK	1	53	17.97	18.21	17.82	18.5	0.0	
40	QPSK	1	104	18.05	18.10	17.83			
40	QPSK	50	0	17.89	18.05	17.79	18.5	0.0	
40	QPSK	50	28	17.90	18.10	17.85	18.5	0.0	
40	QPSK	50	56	17.88	18.00	17.74	18.5	0.0	
40	QPSK	100	0	17.96	18.00	17.86			
40	16QAM	1	1	17.94	18.07	17.70	18.5	0.0	
40	64QAM	1	1	17.85	18.04	17.73	18.5	0.0	
40	256QAM	1	1	17.83	17.88	17.88	18.5	0.0	
Channel				517002	516998	516998	Time-up limit	MTR	
Frequency (MHz)				2080.00	2080	2080.00	(dBm)	(dB)	
30	QPSK	1	1	17.91	18.13	17.85	18.5	0.0	
Channel				518000	518000	518000	Time-up limit	MTR	
Frequency (MHz)				2090	2090	2090	(dBm)	(dB)	
30	QPSK	1	1	18.03	18.03	17.82	18.5	0.0	

n41 PC3 Ant5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				2048.01	2048.00	2048.00			
Frequency (MHz)				2048.01	2048.00	2048.00			
100	P12 BPSK	1	1	17.82	18.00	17.80			
100	P12 BPSK	1	137	17.87	18.00	17.89	18.5	0.0	
100	P12 BPSK	1	271	17.78	18.11	17.75			
100	P12 BPSK	136	0	17.88	18.03	17.74	18.5	0.0	
100	P12 BPSK	136	68	17.94	18.02	17.86	18.0	0.0	
100	P12 BPSK	136	136	18.00	18.00	17.85			
100	P12 BPSK	270	0	18.00	18.00	17.85	18.5	0.0	
100	QPSK	1	1	18.00	18.10	17.85			
100	QPSK	1	137	17.85	18.13	17.83	18.5	0.0	
100	QPSK	1	271	17.84	18.00	17.88			
100	QPSK	136	0	17.86	18.02	17.80	18.5	0.0	
100	QPSK	136	68	17.92	18.10	17.75	18.5	0.0	
100	QPSK	136	136	17.89	18.14	17.80	18.5	0.0	
100	QPSK	270	0	18.00	18.00	17.80			
100	16QAM	1	1	17.98	18.07	17.70	18.5	0.0	
100	64QAM	1	1	17.85	18.00	17.80	18.5	0.0	
100	256QAM	1	1	17.97	18.03	17.79	18.5	0.0	
Channel				508000	518008	528000	Time-up limit	MTR	
Frequency (MHz)				2048.01	2048.00	2048.00	(dBm)	(dB)	
90	QPSK	1	1	17.83	18.00	17.87	18.5	0.0	
Channel				507004	518008	528000	Time-up limit	MTR	
Frequency (MHz)				2038.03	2080.00	2080.00	(dBm)	(dB)	
80	QPSK	1	1	17.89	17.88	17.84	18.0	0.0	
Channel				506002	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2031.01	2080.00	2080	(dBm)	(dB)	
70	QPSK	1	1	17.87	18.12	17.77	18.0	0.0	
Channel				505000	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2028	2080.00	2080.00	(dBm)	(dB)	
60	QPSK	1	1	17.92	18.11	17.76	18.5	0.0	
Channel				504000	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2021.02	2080.00	2080.00	(dBm)	(dB)	
Channel				503000	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2016.01	2080.00	2080	(dBm)	(dB)	
50	QPSK	1	1	17.90	18.13	17.85	18.5	0.0	
Channel				502000	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2010.01	2080.00	2080	(dBm)	(dB)	
40	QPSK	1	1	17.89	18.00	17.80	18.0	0.0	
Channel				502000	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2011	2080.00	2080.00	(dBm)	(dB)	
30	QPSK	1	1	17.88	18.03	17.87	18.5	0.0	
Channel				501004	518008	531000	Time-up limit	MTR	
Frequency (MHz)				2004.02	2080.00	2080.00	(dBm)	(dB)	
20	QPSK	1	1	17.90	17.88	17.86	18.5	0.0	



Par270 n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	13.46	13.63	13.81			
100	P12 BPSK	1	137	13.60	13.65	13.52	15.5	0.0	
100	P12 BPSK	1	271	13.61	13.66	13.52			
100	P12 BPSK	136	0	13.54	13.54	13.63	15.5	0.0	
100	P12 BPSK	136	46	13.59	13.69	13.66	15.5	0.0	
100	P12 BPSK	136	138	13.64	13.61	13.59			
100	P12 BPSK	236	0	13.52	13.54	13.61	15.5	0.0	
100	QPSK	1	1	13.68	13.72	13.81			
100	QPSK	1	137	13.55	13.61	13.54	15.5	0.0	
100	QPSK	1	271	13.52	13.54	13.57			
100	QPSK	136	0	13.52	13.52	13.60	15.5	0.0	
100	QPSK	136	46	13.66	13.60	13.60	15.5	0.0	
100	QPSK	136	138	13.52	13.61	13.62	15.5	0.0	
100	QPSK	236	0	13.66	13.60	13.62			
100	16QAM	1	1	13.51	13.52	13.56	15.5	0.0	
100	16QAM	1	1	13.51	13.62	13.52	15.5	0.0	
100	16QAM	1	1	13.51	13.61	13.56	15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.53	13.60	13.55	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.59	13.67	13.55	15.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.62	13.63	13.64	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.53	13.63	13.58	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.61	13.65	13.67	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.64	13.70	13.69	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.68	13.69	13.69	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.53	13.55	13.60	15.5	0.0	

Part27Q n77 PC3 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1		13.62				
100	P12 BPSK	1	137		13.51		15.5	0.0	
100	P12 BPSK	1	271		13.57				
100	P12 BPSK	136	0		13.58		15.5	0.0	
100	P12 BPSK	136	46		13.69		15.5	0.0	
100	P12 BPSK	136	138		13.61		15.5	0.0	
100	P12 BPSK	236	0		13.61		15.5	0.0	
100	QPSK	1	1		13.62		15.5	0.0	
100	QPSK	1	137		13.51		15.5	0.0	
100	QPSK	1	271		13.55				
100	QPSK	136	0		13.57		15.5	0.0	
100	QPSK	136	46		13.60		15.5	0.0	
100	QPSK	136	138		13.59		15.5	0.0	
100	QPSK	236	0		13.60		15.5	0.0	
100	16QAM	1	1		13.55		15.5	0.0	
100	16QAM	1	1		13.67		15.5	0.0	
100	16QAM	1	1		13.61		15.5	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1		13.51	13.54	13.52	15.5	0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1		13.58	13.55	13.52	15.5	0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1		13.60	13.62	13.56	15.5	0.0
Channel									
Frequency [MHz]									
60	QPSK	1	1		13.58	13.65	13.56	15.5	0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1		13.60	13.67	13.56	15.5	0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1		13.63	13.70	13.61	15.5	0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1		13.59	13.61	13.56	15.5	0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1		13.55	13.60	13.54	15.5	0.0

Part27O n78 PC2 Ant9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1		15.45				
100	P12 BPSK	1	137		15.48		17.0	0.0	
100	P12 BPSK	1	271		15.31		17.0	0.0	
100	P12 BPSK	136	0		15.45		17.0	0.0	
100	P12 BPSK	136	46		15.50		17.0	0.0	
100	P12 BPSK	136	138		15.32		17.0	0.0	
100	P12 BPSK	236	0		15.47		17.0	0.0	
100	QPSK	1	1		15.50		17.0	0.0	
100	QPSK	1	137		15.45		17.0	0.0	
100	QPSK	1	271		15.38		17.0	0.0	
100	QPSK	136	0		15.36		17.0	0.0	
100	QPSK	136	46		15.50		17.0	0.0	
100	QPSK	136	138		15.32		17.0	0.0	
100	QPSK	236	0		15.45		17.0	0.0	
100	16QAM	1	1		15.41		17.0	0.0	
100	16QAM	1	1		15.51		17.0	0.0	
100	16QAM	1	1		15.44		17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1		15.43	15.40	15.41	17.0	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.33	15.44	15.28	17.0	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		15.37	15.50	15.23	17.0	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		15.31	15.30	15.33	17.0	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		15.41	15.39	15.27	17.0	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		15.39	15.34	15.40	17.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		15.35	15.40	15.28	17.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		15.25	15.48	15.41	17.0	0.0

Part27Q 78 PC2 Ant9									
BW (MHz)	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)				3500.91					
100	PSS-BPSK	1	1		15.29				
100	PSS-BPSK	1	137		15.32		17.0	0.0	
100	PSS-BPSK	1	271		15.21				
100	PSS-BPSK	135	0		15.43		17.0	0.0	
100	PSS-BPSK	135	66		15.30		17.0	0.0	
100	PSS-BPSK	135	138		15.32		17.0	0.0	
100	PSS-BPSK	270	0		15.35		17.0	0.0	
100	QPSK	1	1		15.33				
100	QPSK	1	137		15.29		17.0	0.0	
100	QPSK	1	271		15.36				
100	QPSK	135	0		15.35				
100	QPSK	135	66		15.31		17.0	0.0	
100	QPSK	135	138		15.19		17.0	0.0	
100	QPSK	270	0		15.27		17.0	0.0	
100	16QAM	1	1		15.34		17.0	0.0	
100	16QAM	1	1		15.32		17.0	0.0	
100	256QAM	1	1		15.41		17.0	0.0	
Channel				633500		633534	633568	Tune-up limit (dBm)	MPR
Frequency (MHz)				3492		3500.91	3509.92		
50	QPSK	1	1	15.41	15.32	15.40	17.0	0.0	
Channel				633568		633594	634038	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490.92		3500.91	3505		
80	QPSK	1	1	15.44	15.34	15.38	17.0	0.0	
Channel				633534		633594	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3485.91		3500.91	3515.91		
70	QPSK	1	1	15.38	15.44	15.39	17.0	0.0	
Channel				633500		633534	634038	Tune-up limit (dBm)	MPR
Frequency (MHz)				3490		3500.91	3509.92		
60	QPSK	1	1	15.32	15.43	15.26	17.0	0.0	
Channel				633568		633594	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.92		3500.91	3525		
50	QPSK	1	1	15.24	15.48	15.41	17.0	0.0	
Channel				633534		633594	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.91		3500.91	3550.91		
40	QPSK	1	1	15.44	15.29	15.24	17.0	0.0	
Channel				633500		633534	634038	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465		3500.91	3559.92		
30	QPSK	1	1	15.39	15.39	15.32	17.0	0.0	
Channel				633568		633594	634038	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.92		3500.91	15.26		
20	QPSK	1	1	15.29	15.32	15.26	17.0	0.0	



Par270 n77 PC3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	14.23	14.23	13.97	-	15.5	0.0
100	P12 BPSK	1	137	14.22	14.24	14.01	-	-	-
100	P12 BPSK	1	271	14.20	14.20	14.17	-	-	-
100	P12 BPSK	136	0	14.28	14.28	14.13	15.5	0.0	0.0
100	P12 BPSK	136	66	14.27	14.29	14.01	15.5	0.0	0.0
100	P12 BPSK	136	136	14.26	14.42	14.06	-	15.5	0.0
100	P12 BPSK	270	0	14.21	14.24	14.11	-	-	-
100	QPSK	1	1	14.33	14.42	14.17	-	-	-
100	QPSK	1	137	14.26	14.25	14.15	-	-	-
100	QPSK	1	271	14.28	14.38	14.18	-	15.5	0.0
100	QPSK	136	0	14.28	14.35	14.13	15.5	0.0	0.0
100	QPSK	136	66	14.31	14.37	14.05	15.5	0.0	0.0
100	QPSK	136	136	14.25	14.24	14.02	-	15.5	0.0
100	QPSK	270	0	14.16	14.20	14.07	-	-	-
100	16QAM	1	1	14.30	14.25	14.06	15.5	0.0	0.0
100	64QAM	1	1	14.25	14.33	14.03	15.5	0.0	0.0
100	256QAM	1	1	14.13	14.21	14.08	15.5	0.0	0.0
Channel									
Frequency (MHz)				649668	650000	650334	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3743.02	3745	3743.01	15.5	0.0	0.0
90	QPSK	1	1	14.20	14.40	13.98	15.5	0.0	0.0
Channel									
Frequency (MHz)				649334	650000	650666	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3743.01	3745	3743.02	15.5	0.0	0.0
80	QPSK	1	1	14.34	14.35	14.04	15.5	0.0	0.0
Channel									
Frequency (MHz)				649000	650000	651000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3735	3740	3745	15.5	0.0	0.0
70	QPSK	1	1	14.12	14.20	13.97	15.5	0.0	0.0
Channel									
Frequency (MHz)				648666	650000	651334	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3730.02	3740	3750.01	15.5	0.0	0.0
60	QPSK	1	1	14.21	14.28	14.04	15.5	0.0	0.0
Channel									
Frequency (MHz)				648334	650000	651668	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3726.01	3740	3751.02	15.5	0.0	0.0
50	QPSK	1	1	14.24	14.32	13.99	15.5	0.0	0.0
Channel									
Frequency (MHz)				648000	650000	652000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3720	3740	3760	15.5	0.0	0.0
40	QPSK	1	1	14.29	14.22	14.09	15.5	0.0	0.0
Channel									
Frequency (MHz)				647666	650000	652334	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3718.02	3740	3761.01	15.5	0.0	0.0
30	QPSK	1	1	14.13	14.27	14.06	15.5	0.0	0.0
Channel									
Frequency (MHz)				647334	650000	652668	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3710.01	3740	3761.02	15.5	0.0	0.0
20	QPSK	1	1	14.30	14.25	13.96	15.5	0.0	0.0

Part270q n77 PC3 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	14.20	14.20	14.20	-	15.5	0.0
100	P12 BPSK	1	137	14.21	14.21	14.21	-	-	-
100	P12 BPSK	1	271	14.28	14.28	14.28	-	-	-
100	P12 BPSK	136	0	14.21	14.21	14.15	15.5	0.0	0.0
100	P12 BPSK	136	66	14.20	14.20	14.20	15.5	0.0	0.0
100	P12 BPSK	136	136	14.20	14.20	14.20	-	15.5	0.0
100	P12 BPSK	270	0	14.01	14.01	14.01	-	-	-
100	QPSK	1	1	14.37	14.37	14.37	-	-	-
100	QPSK	1	137	14.13	14.13	14.13	-	15.5	0.0
100	QPSK	1	271	14.34	14.34	14.34	-	-	-
100	QPSK	136	0	14.30	14.30	14.30	15.5	0.0	0.0
100	QPSK	136	66	14.31	14.31	14.31	15.5	0.0	0.0
100	QPSK	136	136	14.10	14.10	14.10	15.5	0.0	0.0
100	QPSK	270	0	14.00	14.00	14.00	-	-	-
100	16QAM	1	1	14.15	14.15	14.15	15.5	0.0	0.0
100	256QAM	1	1	14.22	14.22	14.22	15.5	0.0	0.0
100	256QAM	1	1	14.13	14.13	14.13	15.5	0.0	0.0
Channel									
Frequency (MHz)				633000	633334	633666	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				2670	2680.01	2690.02	15.5	0.0	0.0
90	QPSK	1	1	14.10	14.30	13.91	15.5	0.0	0.0
Channel									
Frequency (MHz)				632666	633334	634000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3668.02	3680.01	3690	15.5	0.0	0.0
80	QPSK	1	1	14.15	14.24	13.91	15.5	0.0	0.0
Channel									
Frequency (MHz)				632334	633334	634334	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3665.01	3680.01	3695.01	15.5	0.0	0.0
70	QPSK	1	1	13.99	14.31	13.96	15.5	0.0	0.0
Channel									
Frequency (MHz)				632000	633334	634666	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3660	3680.01	3695.02	15.5	0.0	0.0
60	QPSK	1	1	14.04	14.23	13.90	15.5	0.0	0.0
Channel									
Frequency (MHz)				631666	633334	635000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3656.02	3680.01	3695	15.5	0.0	0.0
50	QPSK	1	1	14.08	14.25	13.98	15.5	0.0	0.0
Channel									
Frequency (MHz)				631334	633334	636000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3650.01	3680.01	3695.01	15.5	0.0	0.0
40	QPSK	1	1	14.00	14.20	13.70	15.5	0.0	0.0
Channel									
Frequency (MHz)				631000	633334	636666	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3645	3680.01	3695.02	15.5	0.0	0.0
30	QPSK	1	1	14.15	14.15	13.86	15.5	0.0	0.0
Channel									
Frequency (MHz)				630666	633334	637000	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3640.02	3680.01	3695	15.5	0.0	0.0
20	QPSK	1	1	14.04	14.17	13.77	15.5	0.0	0.0

Part270 n78 PC2 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Ch./Freq.	Ch./Freq.	Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	16.20	16.20	16.20	-	17.0	0.0
100	P12 BPSK	1	137	16.21	16.21	16.21	-	-	-
100	P12 BPSK	1	271	16.28	16.28	16.28	-	-	-
100	P12 BPSK	136	0	16.25	16.25	16.25	17.0	0.0	0.0
100	P12 BPSK	136	66	16.20	16.20	16.20	17.0	0.0	0.0
100	P12 BPSK	136	136	16.20	16.20	16.20	-	17.0	0.0
100	P12 BPSK	270	0	16.25	16.25	16.25	-	-	-
100	QPSK	1	1	16.30	16.30	16.30	-	-	-
100	QPSK	1	137	16.23	16.23	16.23	-	17.0	0.0
100	QPSK	1	271	16.30	16.30	16.30	-	-	-
100	QPSK	136	0	16.23	16.23	16.23	17.0	0.0	0.0
100	QPSK	136	66	16.25	16.25	16.25	17.0	0.0	0.0
100	QPSK	136	136	16.24	16.24	16.24	17.0	0.0	0.0
100	QPSK	270	0	16.20	16.20	16.20	-	-	-
100	16QAM	1	1	16.10	16.24	16.28	17.0	0.0	0.0
100	256QAM	1	1	16.25	16.25	16.25	17.0	0.0	0.0
Channel									
Frequency (MHz)				649668	650000	650334	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3743.02	3745	3743.01	15.5	0.0	0.0
90	QPSK	1	1	16.31	16.30	16.42	17.0	0.0	0.0
Channel									
Frequency (MHz)				649334	650000	650666	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3740.70	3743	3740.71	15.5	0.0	0.0
80	QPSK	1	1	16.18	16.23	16.26	17.0	0.0	0.0
Channel									
Frequency (MHz)				649800	650000	650200	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3744.01	3746	3744.01	15.5	0.0	0.0
70	QPSK	1	1	16.16	16.23	16.29	17.0	0.0	0.0
Channel									
Frequency (MHz)				649700	650000	650300	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3743.01	3745	3743.01	15.5	0.0	0.0
60	QPSK	1	1	16.27	16.18	16.32	17.0	0.0	0.0
Channel									
Frequency (MHz)				649134	650000	650866	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3741.01	3743	3741.01	15.5	0.0	0.0
50	QPSK	1	1	16.24	16.26	16.28	17.0	0.0	0.0
Channel									
Frequency (MHz)				649500	650000	650500	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3742.01	3744	3742.01	15.5	0.0	0.0
40	QPSK	1	1	16.29	16.19	16.24	17.0	0.0	0.0
Channel									
Frequency (MHz)				649166	650000	650334	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3741.01	3743	3741.01	15.5	0.0	0.0
30	QPSK	1	1	16.19	16.24	16.28	17.0	0.0	0.0
Channel									
Frequency (MHz)				649234	650000	650666	Time-up limit (dBm)	MTR (dB)	
Frequency (MHz)				3741.01	3743	3741.01	15.5	0.0	0.0
20	QPSK	1	1	16.22	16.30	16.38	17.0	0.0	0.0

Part27Q 78 PC2 Ant10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)	
Channel				630001					
Frequency (MHz)				3500.51					
100	PSS-BPSK	1	1	16.13					
100	PSS-BPSK	1	137	16.17		17.0			
100	PSS-BPSK	1	271	16.35					
100	PSS-BPSK	135	0	16.19		17.0			
100	PSS-BPSK	135	66	16.32		17.0			
100	PSS-BPSK	135	138	16.1		17.0			
100	PSS-BPSK	270	0	16.35		17.0			
100	QPSK	1	1	16.41					
100	QPSK	1	137	16.16		17.0			
100	QPSK	1	271	16.21		17.0			
100	QPSK	135	0	16.19					
100	QPSK	135	66	16.34		17.0			
100	QPSK	135	138	16.19		17.0			
100	QPSK	270	0	16.22		17.0			
100	16QAM	1	1	16.51		17.0			
100	64QAM	1	1	16.46		17.0			
100	256QAM	1	1	16.35		17.0			
Channel				630000		630034 630068			
Frequency (MHz)				3499.51		3502.51 3502.52			
50	QPSK	1	1	16.30		16.40			
Channel				630068		630100 630400			
Frequency (MHz)				3499.50		3504.51 3505			
80	QPSK	1	1	16.13		16.38			
Channel				630034		630100 630400			
Frequency (MHz)				3495.51		3505.51 3515.51			
70	QPSK	1	1	16.16		16.30			
Channel				630000		630034 630068			
Frequency (MHz)				3490		3500.51 3500.59			
60	QPSK	1	1	16.29		16.36			
Channel				630000		630034 630068			
Frequency (MHz)				3475.02		3500.51 3520			
50	QPSK	1	1	16.16		16.36			
Channel				630034		630068 630100			
Frequency (MHz)				3470.13		3500.51 3500.51			
40	QPSK	1	1	16.23		16.33			
Channel				630000		630034 630068			
Frequency (MHz)				3465		3500.51 3519.02			
30	QPSK	1	1	16.19		16.30			
Channel				630068		630100 630400			
Frequency (MHz)				3470.02		3500.51 3520			
20	QPSK	1	1	16.09		16.22			

Par270 n77 PC3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				3750	3940	3950			
100	P12 BPSK	1	1	16.51	17.03	17.04		18.5	0.0
100	P12 BPSK	1	137	17.02	17.04	17.05			
100	P12 BPSK	1	271	17.08	17.21	17.09			
100	P12 BPSK	136	0	17.08	16.95	17.03		18.5	0.0
100	P12 BPSK	136	46	16.95	16.80	16.88		18.0	0.0
100	P12 BPSK	136	138	16.95	17.12	17.00			
100	P12 BPSK	236	0	17.08	17.15	17.05		18.5	0.0
100	QPSK	1	1	17.10	17.22	17.18			
100	QPSK	1	137	17.11	16.95	17.15		18.5	0.0
100	QPSK	1	271	16.90	17.02	17.02			
100	QPSK	136	0	17.06	17.10	17.05		18.5	0.0
100	QPSK	136	46	16.95	17.17	17.15		18.5	0.0
100	QPSK	136	138	16.96	16.80	17.02		18.5	0.0
100	QPSK	236	0	16.95	17.00	17.04			
100	16QAM	1	1	17.03	17.14	17.11		18.0	0.0
100	16QAM	1	1	16.95	17.04	16.95		18.5	0.0
100	256QAM	1	1	16.93	17.10	17.08		18.5	0.0
Channel									
Frequency (MHz)				649668	650000	650248	Tune-up limit (dBm)	MTR (dB)	
Channel				649668	650000	650248	18.0		
90	QPSK	1	1	17.01	17.13	16.96		18.5	0.0
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MTR (dB)	
Channel				649334	650000	650666	18.0		
80	QPSK	1	1	17.07	17.05	16.96		18.0	0.0
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MTR (dB)	
Channel				649000	650000	651000	18.0		
70	QPSK	1	1	17.08	17.04	17.12		18.0	0.0
Channel									
Frequency (MHz)				3750.02	3940	3950.01	Tune-up limit (dBm)	MTR (dB)	
Channel				3750.02	3940	3950.01	18.0		
60	QPSK	1	1	16.92	17.05	16.94		18.5	0.0
Channel									
Frequency (MHz)				3726.01	3940	3950.02	Tune-up limit (dBm)	MTR (dB)	
Channel				3726.01	3940	3950.02	18.0		
50	QPSK	1	1	16.96	17.04	16.98		18.5	0.0
Channel									
Frequency (MHz)				3750	3940	3950	Tune-up limit (dBm)	MTR (dB)	
Channel				3750	3940	3950	18.0		
40	QPSK	1	1	16.98	17.02	17.04		18.0	0.0
Channel									
Frequency (MHz)				647668	650000	652332	Tune-up limit (dBm)	MTR (dB)	
Channel				647668	650000	652332	18.0		
30	QPSK	1	1	17.03	17.17	17.11		18.5	0.0
Channel									
Frequency (MHz)				647334	650000	652666	Tune-up limit (dBm)	MTR (dB)	
Channel				647334	650000	652666	18.0		
20	QPSK	1	1	16.98	17.08	17.05		18.5	0.0

Part27Q n77 PC3 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				633000	633336	633668			
100	P12 BPSK	1	1	17.07				18.5	0.0
100	P12 BPSK	1	137		16.94				
100	P12 BPSK	1	271		17.08				
100	P12 BPSK	136	0		16.92			18.5	0.0
100	P12 BPSK	136	46		16.84			18.0	0.0
100	P12 BPSK	136	138		16.94				
100	P12 BPSK	236	0		17.15			18.5	0.0
100	QPSK	1	1	17.10					
100	QPSK	1	137		17.00			18.5	0.0
100	QPSK	1	271		17.06				
100	QPSK	136	0		16.93			18.5	0.0
100	QPSK	136	46		17.10			18.5	0.0
100	QPSK	136	138		16.84			18.5	0.0
100	QPSK	236	0		17.12				
100	16QAM	1	1		17.13			18.0	0.0
100	256QAM	1	1		16.92			18.5	0.0
100	4096QAM	1	1		16.91			18.5	0.0
Channel									
Frequency (MHz)				633000	633336	633668	Tune-up limit (dBm)	MTR (dB)	
Channel				633000	633336	633668	18.0		
90	QPSK	1	1	17.04	16.95	17.04		18.5	0.0
Channel									
Frequency (MHz)				633668	633336	634000	Tune-up limit (dBm)	MTR (dB)	
Channel				633668	633336	634000	18.0		
80	QPSK	1	1	17.00	17.08	17.15		18.0	0.0
Channel									
Frequency (MHz)				632334	633336	634334	Tune-up limit (dBm)	MTR (dB)	
Channel				632334	633336	634334	18.0		
70	QPSK	1	1	16.92	17.12	16.99		18.0	0.0
Channel									
Frequency (MHz)				634000	633336	634668	Tune-up limit (dBm)	MTR (dB)	
Channel				634000	633336	634668	18.0		
60	QPSK	1	1	16.95	17.13	17.09		18.5	0.0
Channel									
Frequency (MHz)				3476.02	3500.01	3524	Tune-up limit (dBm)	MTR (dB)	
Channel				3476.02	3500.01	3524	18.0		
50	QPSK	1	1	17.01	17.00	17.09		18.5	0.0
Channel									
Frequency (MHz)				3476.01	3500.01	3526.01	Tune-up limit (dBm)	MTR (dB)	
Channel				3476.01	3500.01	3526.01	18.0		
40	QPSK	1	1	16.90	17.00	17.10		18.0	0.0
Channel									
Frequency (MHz)				634000	633336	634668	Tune-up limit (dBm)	MTR (dB)	
Channel				634000	633336	634668	18.0		
30	QPSK	1	1	17.05	17.00	16.98		18.5	0.0
Channel									
Frequency (MHz)				633600	633336	633600	Tune-up limit (dBm)	MTR (dB)	
Channel				633600	633336	633600	18.0		
20	QPSK	1	1	16.98	17.01	16.99		18.5	0.0

Part270 n78 PC2 Ant11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MTR (dB)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1	16.92				18.0	0.0
100	P12 BPSK	1	137		16.46				
100	P12 BPSK	1	271		16.54			18.0	0.0
100	P12 BPSK	136	0		16.51				
100	P12 BPSK	136	46		16.64			18.0	0.0
100	P12 BPSK	136	138		16.70			18.0	0.0
100	P12 BPSK	236	0		16.55			18.0	0.0
100	QPSK	1	1	16.72				18.0	0.0
100	QPSK	1	137		16.60				
100	QPSK	1	271		16.67			18.0	0.0
100	QPSK	136	0		16.46			18.0	0.0
100	QPSK	136	46		16.50			18.0	0.0
100	QPSK	136	138		16.65			18.0	0.0
100	QPSK	236	0		16.60			18.0	0.0
100	16QAM	1	1		16.60			18.0	0.0
100	256QAM	1	1		16.62			18.0	0.0
Channel									
Frequency (MHz)				649668	650000	650248	Tune-up limit (dBm)	MTR (dB)	
Channel				649668	650000	650248	18.0		
90	QPSK	1	1	16.53	16.50	16.58		18.0	0.0
Channel									
Frequency (MHz)				649334	650000	650666	Tune-up limit (dBm)	MTR (dB)	
Channel				649334	650000	650666	18.0		
80	QPSK	1	1	16.32	16.58	16.54		18.0	0.0
Channel									
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MTR (dB)	
Channel				649000	650000	651000	18.0		
70	QPSK	1	1	16.49	16.58	16.48		18.0	0.0
Channel									
Frequency (MHz)				648702	650000	650702	Tune-up limit (dBm)	MTR (dB)	
Channel				648702	650000	650702	18.0		
60	QPSK	1	1	16.32	16.48	16.54		18.0	0.0
Channel									
Frequency (MHz)				648418	650000	650518	Tune-up limit (dBm)	MTR (dB)	
Channel				648418	650000	650518	18.0		
40	QPSK	1	1	16.32	16.48	16.54		18.0	0.0
Channel									
Frequency (MHz)				648136	650000	650236	Tune-up limit (dBm)	MTR (dB)	
Channel				648136	650000	650236	18.0		
30	QPSK	1	1	16.40	16.58	16.49		18.0	0.0
Channel									
Frequency (MHz)				647874	650000	650096	Tune-up limit (dBm)	MTR (dB)	
Channel				647874	650000	650096	18.0		
20	QPSK	1	1	16.40	16.57	16.54		18.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				633334		3500.01		
Frequency (MHz)						3500.01		
100	PSS-BPSK	1	1		16.49		18.0	0.0
100	PSS-BPSK	1	137		16.27			
100	PSS-BPSK	1	271		16.49		18.0	0.0
100	PSS-BPSK	135	0		16.51			
100	PSS-BPSK	135	66		16.45		18.0	0.0
100	PSS-BPSK	135	138		16.51		18.0	0.0
100	PSS-BPSK	270	0		16.53		18.0	0.0
100	QPSK	1	1		16.65			
100	QPSK	1	137		16.48		18.0	0.0
100	QPSK	1	271		16.51		18.0	0.0
100	QPSK	135	0		16.43			
100	QPSK	135	66		16.58		18.0	0.0
100	QPSK	135	138		16.49		18.0	0.0
100	QPSK	270	0		16.54		18.0	0.0
100	16QAM	1	1		16.50		18.0	0.0
100	16QAM	1	1		16.54		18.0	0.0
100	256QAM	1	1		16.54		18.0	0.0
Channel				635000	633334	633668	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				635000	633334	633668		
50	QPSK	1	1	16.48	16.55	16.51	18.0	0.0
Channel				635668	633334	634000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				635668	633334	634000		
80	QPSK	1	1	16.48	16.29	16.33	18.0	0.0
Channel				636334	633334	634334	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				636334	633334	634334		
70	QPSK	1	1	16.47	16.14	16.31	18.0	0.0
Channel				636668	633334	634668	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				636668	633334	634668		
60	QPSK	1	1	16.47	16.24	16.43	18.0	0.0
Channel				637000	633334	635000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				637000	633334	635000		
50	QPSK	1	1	16.38	16.15	16.48	18.0	0.0
Channel				637334	633334	635334	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				637334	633334	635334		
40	QPSK	1	1	16.44	16.23	16.51	18.0	0.0
Channel				637668	633334	635668	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				637668	633334	635668		
30	QPSK	1	1	16.35	16.18	16.43	18.0	0.0
Channel				638000	633334	636000	Tune-up limit (dBm)	MFR (dB)
Frequency (MHz)				638000	633334	636000		
20	QPSK	1	1	16.40	16.23	16.50	18.0	0.0

Full Power level/Default Power level for 5G NR Other PA

n41 Ant3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPM (dB)	
Channel				509050	518698	528000			
Frequency (MHz)				244.11	244.24	244.36			
100	PIC BPSK	1	1	24.12	24.32	24.36			
100	PIC BPSK	1	137	24.24	24.35	24.11	25.0	0.0	
100	PIC BPSK	1	271	24.15	24.25	24.17			
100	PIC BPSK	136	5	23.73	23.74	23.79	24.0	0.5	
100	PIC BPSK	136	49	24.17	24.16	24.26	25.0	0.0	
100	PIC BPSK	136	136	23.92	23.92	23.83	24.5	0.5	
100	PIC BPSK	270	0	23.90	24.01	23.90			
100	QPSK	1	1	24.27	24.24	24.36			
100	QPSK	1	137	24.14	24.15	24.28	25.0	0.0	
100	QPSK	1	271	24.18	24.21	24.36			
100	QPSK	136	0	23.34	23.25	23.15	24.0	1.0	
100	QPSK	136	49	24.23	24.37	24.02	25.0	0.0	
100	QPSK	136	136	23.31	23.35	23.34	24.0	1.0	
100	QPSK	270	0	23.18	23.57	23.12			
100	ISQAM	1	1	23.22	23.47	23.23	24.07	1.0	
100	ISQAM	1	1	21.76	21.90	21.76	24.0	0.5	
100	ISQAM	1	1	19.77	19.85	19.87	20.2	4.5	
Channel				505001	518696	528098	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				244.1	2552.30	2644.58			
90	QPSK	1	1	24.17	24.39	24.22	25.0	0.0	
Channel				507200	518698	528098	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				2538.02	2552.30	2644.58			
80	QPSK	1	1	24.21	24.37	24.34	25.0	0.0	
Channel				2600.01	2600.01	2600.01	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				2633.01	2650.30	2665			
70	QPSK	1	1	24.11	24.30	24.55	25.0	0.0	
Channel				3000.01	3100.01	3100.01	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				2908	2950.30	2950.30			
60	QPSK	1	1	24.23	24.23	24.17	25.0	0.0	
Channel				504004	518698	530098	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				5121.02	5192.30	5264.58			
50	QPSK	1	1	24.10	24.33	24.16	25.0	0.0	
Channel				503050	518698	530098	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				5116.01	5192.30	5264.58			
40	QPSK	1	1	24.08	24.35	24.15	25.0	0.0	
Channel				502050	518698	530098	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				5111	5192.30	5264.58			
30	QPSK	1	1	24.09	24.52	24.17	25.0	0.0	
Channel				501004	518696	530098	Tune-up limit (dBm)	MPM (dB)	
Frequency (MHz)				5050.02	5152.30	5253.58			
20	QPSK	1	1	24.14	24.30	24.17	25.0	0.0	

n41 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				5040.0	5186.8	5260.0			
Frequency (MHz)				2446.01	2592.30	2645			
100	PL2 BPSK	1	1	23.06	23.02	23.39	24.5	0.0	
100	PL2 BPSK	1	137	23.01	23.18	23.14			
100	PL2 BPSK	1	271	23.10	22.87	22.77			
100	PL2 BPSK	136	0	22.50	22.44	22.47	24.0	0.5	
100	PL2 BPSK	136	66	22.88	23.02	23.08	24.0	0.0	
100	PL2 BPSK	136	136	22.66	22.54	22.70	24.0	0.5	
100	PL2 BPSK	270	0	22.51	22.05	22.74			
100	QPSK	1	1	23.18	23.30	23.24			
100	QPSK	1	137	23.13	22.80	23.00	24.5	0.0	
100	QPSK	1	271	23.21	23.08	23.08			
100	QPSK	136	0	21.99	22.05	22.00	23.5	1.0	
100	QPSK	136	66	22.09	23.10	23.02	24.5	0.0	
100	QPSK	136	136	22.27	22.18	22.21	23.5	1.0	
100	QPSK	270	0	21.84	22.00	22.00			
100	16QAM	1	1	22.22	22.00	22.02	23.5	1.0	
100	256QAM	1	1	20.79	20.58	20.89	22.0	2.5	
100	256QAM	1	1	18.35	18.20	18.30	20.0	4.5	
Channel				5080.0	5189.8	5260.0	Time-up limit	MTR	
Frequency (MHz)				2524.0	2670.40	2724.0	dBm	dB	
90	QPSK	1	1	23.08	23.10	23.12	24.5	0.0	
Channel				5090.4	5189.8	5260.0	Time-up limit	MTR	
Frequency (MHz)				2624.00	2690.00	2644.00	dBm	dB	
80	QPSK	1	1	23.12	23.11	23.20	24.0	0.0	
Channel				5090.0	5189.6	5310.0	Time-up limit	MTR	
Frequency (MHz)				2631.00	2592.30	2655	dBm	dB	
70	QPSK	1	1	23.20	23.11	23.25	24.0	0.0	
Channel				5050.0	5189.6	5310.0	Time-up limit	MTR	
Frequency (MHz)				2598	2592.30	2658.00	dBm	dB	
60	QPSK	1	1	23.17	23.21	23.04	24.5	0.0	
Channel				5070.0	5189.0	5310.0	Time-up limit	MTR	
Frequency (MHz)				2521.00	2592.30	2654.00	dBm	dB	
50	QPSK	1	1	23.16	23.25	23.16	24.5	0.0	
Channel				5050.0	5179.6	5310.0	Time-up limit	MTR	
Frequency (MHz)				2516.01	2592.30	2670	dBm	dB	
40	QPSK	1	1	23.07	23.22	23.20	24.0	0.0	
Channel				5020.0	5189.8	5369.8	Time-up limit	MTR	
Frequency (MHz)				2511	2592.30	2674.0	dBm	dB	
30	QPSK	1	1	23.16	23.10	23.09	24.0	0.0	
Channel				5010.4	5189.8	5369.8	Time-up limit	MTR	
Frequency (MHz)				2504.00	2672.40	2674.00	dBm	dB	
20	QPSK	1	1	23.05	23.17	23.22	24.0	0.0	

Reduced power level for 5G NR Other PA

n41 Ant3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Media Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509050	518698	528000			
Frequency [MHz]									
100	PIC BPSK	1	1	24.12	24.32	24.36			
100	PIC BPSK	1	137	24.24	24.35	24.11	25.0	0.0	
100	PIC BPSK	1	271	24.15	24.25	24.17			
100	PIC BPSK	136	5	23.73	23.74	23.79	24.0	0.5	
100	PIC BPSK	136	69	24.17	24.16	24.26	25.0	0.0	
100	PIC BPSK	136	136	23.92	23.92	23.83	24.5	0.5	
100	PIC BPSK	270	0	23.99	24.01	23.90			
100	QPSK	1	1	24.27	24.47	24.36			
100	QPSK	1	137	24.14	24.15	24.28	25.0	0.0	
100	QPSK	1	271	24.18	24.21	24.36			
100	QPSK	136	0	23.34	23.25	23.15	24.0	1.0	
100	QPSK	136	69	24.23	24.37	24.02	25.0	0.0	
100	QPSK	136	136	23.31	23.35	23.34	24.0	1.0	
100	QPSK	270	0	23.18	23.57	23.12			
100	16QAM	1	1	23.22	23.47	23.23	24.0	1.0	
100	64QAM	1	1	21.76	21.99	21.76	25.0	0.5	
100	256QAM	1	1	19.77	19.95	19.97	25.0	4.5	
Channel				505001	518696	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
90	QPSK	1	1	24.17	24.39	24.22	25.0	0.0	
Channel				507200	518695	528098	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
80	QPSK	1	1	24.21	24.37	24.34	25.0	0.0	
Channel				508100	518694	528100	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
70	QPSK	1	1	24.11	24.30	24.35	25.0	0.0	
Channel				509000	518693	528100	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
60	QPSK	1	1	24.23	24.32	24.17	25.0	0.0	
Channel				504004	518698	530098	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
50	QPSK	1	1	24.10	24.33	24.16	25.0	0.0	
Channel				503050	518698	530098	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
40	QPSK	1	1	24.08	24.35	24.15	25.0	0.0	
Channel				502050	518698	530098	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
30	QPSK	1	1	24.09	24.32	24.17	25.0	0.0	
Channel				501004	518696	530098	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]									
20	QPSK	1	1	24.14	24.30	24.17	25.0	0.0	

n41 Ant4 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MTR (dB)		
Channel				5048.01	2092.30	2045				
Frequency (MHz)				15.39	15.42	15.46				
100	PL2 BPSK	1	1	15.39	15.42	15.46	16.5	0.0		
100	PL2 BPSK	1	137	15.48	15.37	15.39				
100	PL2 BPSK	1	271	15.35	15.46	15.36				
100	PL2 BPSK	136	0	15.38	15.56	15.34	16.5	0.0		
100	PL2 BPSK	136	69	15.40	15.40	15.40				
100	PL2 BPSK	136	136	15.33	15.50	15.42				
100	QPSK	1	1	15.48	15.50	15.50	16.5	0.0		
100	QPSK	1	137	15.43	15.50	15.30				
100	QPSK	1	271	15.37	15.58	15.36				
100	QPSK	136	0	15.27	15.50	15.43	16.5	0.0		
100	QPSK	136	69	15.35	15.50	15.30				
100	QPSK	136	136	15.50	15.50	15.43				
100	QPSK	270	0	15.44	15.40	15.40	16.5	0.0		
100	16QAM	1	1	15.31	15.50	15.50				
100	16QAM	1	1	15.28	15.50	15.46				16.5
100	256QAM	1	1	15.36	15.37	15.30				
Channel				50500	51698	52698	Time-up limit	MTR		
Frequency (MHz)				25.31	51698.30	52698.30	(min)			
90	QPSK	1	1	15.43	15.42	15.45	16.5	0.0		
Channel				507204	51698	52698	Time-up limit	MTR		
Frequency (MHz)				25.24.02	51698.30	52698.30	(min)			
80	QPSK	1	1	15.40	15.56	15.36	16.5	0.0		
Channel				508002	51696	531006	Time-up limit	MTR		
Frequency (MHz)				25.31.01	51696.30	53100.60	(min)			
70	QPSK	1	1	15.28	15.60	15.37	16.5	0.0		
Channel				50500	51698	527098	Time-up limit	MTR		
Frequency (MHz)				25.0	51698.30	52709.80	(min)			
60	QPSK	1	1	15.37	15.50	15.41	16.5	0.0		
Channel				507204	51698	527098	Time-up limit	MTR		
Frequency (MHz)				25.24.02	51698.30	52709.80	(min)			
50	QPSK	1	1	15.27	15.57	15.39	16.5	0.0		
Channel				507204	51698	527098	Time-up limit	MTR		
Frequency (MHz)				25.18.01	51698.30	52709.80	(min)			
40	QPSK	1	1	15.32	15.67	15.47	16.5	0.0		
Channel				502000	51698	53698	Time-up limit	MTR		
Frequency (MHz)				25.11	51698.30	53698.30	(min)			
30	QPSK	1	1	15.39	15.44	15.46	16.5	0.0		
Channel				501204	51698	53698	Time-up limit	MTR		
Frequency (MHz)				25.04.02	51698.30	53698.30	(min)			
20	QPSK	1	1	15.37	15.57	15.42	16.5	0.0		

n41 Ant3 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				5048.01	5052.50	5045	25.0	0.0	
Frequency (MHz)				5048.01	5052.50	5045			
100	PL2 BPSK	1	1	24.12	24.22	24.36	25.0	0.0	
100	PL2 BPSK	1	137	24.24	24.35	24.11			
100	PL2 BPSK	1	271	24.19	24.29	24.17	24.5	0.5	
100	PL2 BPSK	136	0	23.73	23.74	23.79			
100	PL2 BPSK	136	66	24.17	24.18	24.26	25.0	0.0	
100	PL2 BPSK	136	136	23.92	23.92	23.83			
100	PL2 BPSK	270	0	23.50	24.01	23.00	24.5	0.5	
100	QPSK	1	1	24.27	24.41	24.36			
100	QPSK	1	137	24.14	24.15	24.35	25.0	0.0	
100	QPSK	1	271	24.18	24.21	24.38			
100	QPSK	136	0	23.34	23.35	23.18	24.0	1.0	
100	QPSK	136	66	24.23	24.37	24.05			
100	QPSK	136	136	23.91	23.59	23.34	24.0	1.0	
100	QPSK	270	0	23.16	23.57	22.16			
100	16QAM	1	1	23.22	23.41	23.25	24.0	1.0	
100	16QAM	1	1	21.79	21.96	21.78			
100	256QAM	1	1	19.77	19.85	19.87	23.5	4.5	
Channel				508500	518098	526968	Time-up limit	MTR	
Frequency (MHz)				508500	518098	526968	dBm	dB	
90	QPSK	1	1	24.17	24.35	24.23	25.0	0.0	
Channel				507204	518098	526968	Time-up limit	MTR	
Frequency (MHz)				507204	518098	526968	dBm	dB	
80	QPSK	1	1	24.21	24.37	24.34	25.0	0.0	
Channel				506002	518098	531000	Time-up limit	MTR	
Frequency (MHz)				506002	518098	531000	dBm	dB	
70	QPSK	1	1	24.11	24.39	24.35	25.0	0.0	
Channel				505500	518098	531000	Time-up limit	MTR	
Frequency (MHz)				505500	518098	531000	dBm	dB	
60	QPSK	1	1	24.28	24.35	24.17	25.0	0.0	
Channel				504205	518098	531000	Time-up limit	MTR	
Frequency (MHz)				504205	518098	531000	dBm	dB	
50	QPSK	1	1	24.08	24.37	24.38	25.0	0.0	
Channel				502905	518098	540000	Time-up limit	MTR	
Frequency (MHz)				502905	518098	540000	dBm	dB	
40	QPSK	1	1	24.03	24.22	24.16	25.0	0.0	
Channel				502000	518098	536000	Time-up limit	MTR	
Frequency (MHz)				502000	518098	536000	dBm	dB	
30	QPSK	1	1	24.09	24.32	24.17	25.0	0.0	
Channel				501204	518098	536000	Time-up limit	MTR	
Frequency (MHz)				501204	518098	536000	dBm	dB	
20	QPSK	1	1	24.14	24.35	24.17	25.0	0.0	

n41 Ant4 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				50400	51696	52992			
Frequency (MHz)				2046.01	2052.30	2058			
100	PI2 BPSK	1	1	19.50	20.04	20.15	21.5	0.0	
100	PI2 BPSK	1	137	20.05	19.99	20.05			
100	PI2 BPSK	1	271	20.02	20.14	20.14			
100	PI2 BPSK	136	0	19.04	20.15	20.11	21.5	0.0	
100	PI2 BPSK	136	66	19.96	20.10	20.12	21.5	0.0	
100	PI2 BPSK	136	136	19.89	20.15	20.09	21.5	0.0	
100	PI2 BPSK	270	0	19.88	20.15	20.07			
100	QPSK	1	1	20.07	20.22	20.22			
100	QPSK	1	137	19.00	20.15	20.34	21.5	0.0	
100	QPSK	1	271	19.95	19.99	20.18	21.5	0.0	
100	QPSK	136	0	19.89	19.99	20.05			
100	QPSK	136	66	20.08	20.10	20.04			
100	QPSK	136	136	19.93	20.04	20.01	21.5	0.0	
100	QPSK	270	0	19.99	20.02	20.06	21.5	0.0	
100	16QAM	1	1	19.87	20.14	20.18			
100	16QAM	1	1	20.05	19.99	20.03			
100	256QAM	1	1	18.34	18.27	18.44	20.5	1.5	
Channel				508500	516998	526998	Time-up limit	MTR	
Frequency (MHz)				254.1	254.02	254.18	dBm		
90	QPSK	1	1	20.05	20.00	20.18	21.5	0.0	
Channel				507204	516998	526998	Time-up limit	MTR	
Frequency (MHz)				252.8.02	5092.30	264.06	dBm		
80	QPSK	1	1	19.87	20.17	20.24	21.5	0.0	
Channel				506002	516996	531000	Time-up limit	MTR	
Frequency (MHz)				253.1.01	2552.30	2655	dBm		
70	QPSK	1	1	20.02	20.10	20.14	21.5	0.0	
Channel				505500	516998	531000	Time-up limit	MTR	
Frequency (MHz)				2508	2559.99	2659.98	dBm		
60	QPSK	1	1	20.08	20.16	20.07	21.5	0.0	
Channel				504205	516998	531000	Time-up limit	MTR	
Frequency (MHz)				2521.02	2052.30	2604.30	dBm		
50	QPSK	1	1	20.08	20.18	20.24	21.5	0.0	
Channel				503000	516998	531000	Time-up limit	MTR	
Frequency (MHz)				2516.01	2052.30	2610	dBm		
40	QPSK	1	1	20.06	20.22	20.12	21.5	0.0	
Channel				502000	516998	531000	Time-up limit	MTR	
Frequency (MHz)				2511	2052.30	2615.9	dBm		
30	QPSK	1	1	20.02	20.08	20.25	20.5	0.0	
Channel				501204	516998	536998	Time-up limit	MTR	
Frequency (MHz)				2048.02	2102.30	2101.0	dBm		
20	QPSK	1	1	20.01	20.20	20.02	20.5	0.0	

n41 Ant3 DS15									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MTR (dB)	
Channel				5040.0	5180.8	5360.0			
Frequency (MHz)				2046.01	2092.30	2045			
100	PI2 BPSK	1	1	17.85	18.12	18.10	19.0	0.0	
100	PI2 BPSK	1	137	17.85	18.27	17.99			
100	PI2 BPSK	1	271	18.00	18.07	18.03			
100	PI2 BPSK	136	0	17.85	18.07	18.06	19.0	0.0	
100	PI2 BPSK	136	66	17.86	18.18	17.88	19.0	0.0	
100	PI2 BPSK	136	136	18.00	18.27	17.87	19.0	0.0	
100	PI2 BPSK	270	0	17.89	18.13	18.06			
100	QPSK	1	1	18.00	18.25	18.16			
100	QPSK	1	137	17.83	18.27	18.16	19.0	0.0	
100	QPSK	1	271	17.87	18.10	18.14	19.0	0.0	
100	QPSK	136	0	17.80	18.06	18.17			
100	QPSK	136	66	17.87	18.25	17.86			
100	QPSK	136	136	18.01	18.22	18.13	19.0	0.0	
100	QPSK	270	0	17.87	18.25	18.14	19.0	0.0	
100	16QAM	1	1	17.89	18.17	18.10			
100	256QAM	1	1	17.80	18.10	18.13	19.0	0.0	
100	256QAM	1	1	17.89	18.13	18.06	19.0	0.0	
Channel				5080.0	5180.8	5280.8	Time-up limit	MTR	
Frequency (MHz)				2043	2092.3	2043.6	19.0	0.0	
90	QPSK	1	1	17.79	18.13	18.03	19.0	0.0	
Channel				5090.4	5180.8	5280.8	Time-up limit	MTR	
Frequency (MHz)				2043.02	2092.30	2043.66	19.0	0.0	
80	QPSK	1	1	18.01	18.20	18.01	19.0	0.0	
Channel				5090.02	5180.86	5280.00	Time-up limit	MTR	
Frequency (MHz)				2043.01	2092.30	2043	19.0	0.0	
70	QPSK	1	1	17.87	18.17	17.86	19.0	0.0	
Channel				5090.00	5180.86	5279.98	Time-up limit	MTR	
Frequency (MHz)				2043	2092.30	2043.98	19.0	0.0	
60	QPSK	1	1	17.89	18.11	18.11	19.0	0.0	
Channel				5090.00	5180.81	5279.99	Time-up limit	MTR	
Frequency (MHz)				2043.02	2092.30	2043.99	19.0	0.0	
50	QPSK	1	1	17.81	18.11	18.00	19.0	0.0	
Channel				5090.00	5180.86	5279.99	Time-up limit	MTR	
Frequency (MHz)				2043.01	2092.30	2043	19.0	0.0	
40	QPSK	1	1	17.78	18.10	18.17	19.0	0.0	
Channel				5090.00	5180.86	5279.98	Time-up limit	MTR	
Frequency (MHz)				2043	2092.30	2043.9	19.0	0.0	
30	QPSK	1	1	17.83	18.08	18.01	19.0	0.0	
Channel				5090.4	5180.86	5279.98	Time-up limit	MTR	
Frequency (MHz)				2043.02	2092.30	2043.6	19.0	0.0	
20	QPSK	1	1	18.00	18.08	18.01	19.0	0.0	

n41 Ant4 DSIS								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MTR (dB)
Channel				5040.01	5180.98	5280.00	16.5	0.0
Frequency (MHz)				2048.01	2092.90	2048		
100	PL2 BPSK	1	1	15.39	15.42	15.46	16.5	0.0
100	PL2 BPSK	1	137	15.48	15.37	15.39		
100	PL2 BPSK	1	271	15.35	15.40	15.36		
100	PL2 BPSK	136	0	15.38	15.50	15.34		
100	PL2 BPSK	136	69	15.40	15.40	15.40	16.5	0.0
100	PL2 BPSK	136	136	15.33	15.50	15.42		
100	PL2 BPSK	270	0	15.48	15.35	15.33		
100	QPSK	1	1	15.48	15.50	15.50		
100	QPSK	1	137	15.43	15.50	15.30	16.5	0.0
100	QPSK	1	271	15.37	15.50	15.36		
100	QPSK	136	0	15.27	15.50	15.43		
100	QPSK	136	69	15.35	15.50	15.30		
100	QPSK	136	136	15.50	15.50	15.43	16.5	0.0
100	QPSK	270	0	15.44	15.50	15.40		
100	16QAM	1	1	15.31	15.50	15.50		
100	16QAM	1	1	15.28	15.50	15.45		
100	256QAM	1	1	15.36	15.37	15.30	16.5	0.0
Channel				5080.00	5180.98	5280.00		
Frequency (MHz)				2128.01	2172.90	2128	16.5	0.0
90	QPSK	1	1	15.49	15.42	15.45		
Channel				5092.04	5180.98	5280.00	16.5	0.0
Frequency (MHz)				2138.02	2180.98	2138.00		
80	QPSK	1	1	15.40	15.50	15.36	16.5	0.0
Channel				5080.02	5180.96	5310.00		
Frequency (MHz)				2131.01	2192.90	2055	16.5	0.0
70	QPSK	1	1	15.28	15.60	15.37		
Channel				5050.00	5180.98	5310.00	16.5	0.0
Frequency (MHz)				2098	2192.90	2098.98		
60	QPSK	1	1	15.37	15.50	15.41	16.5	0.0
Channel				5072.00	5180.98	5310.00		
Frequency (MHz)				2121.02	2192.90	2054.90	16.5	0.0
50	QPSK	1	1	15.27	15.50	15.39		
Channel				5050.00	5180.98	5310.00	16.5	0.0
Frequency (MHz)				2118.01	2192.90	2070		
40	QPSK	1	1	15.32	15.47	15.47	16.5	0.0
Channel				5020.00	5180.98	5310.00		
Frequency (MHz)				2111	2192.90	2174.90	16.5	0.0
30	QPSK	1	1	15.39	15.48	15.48		
Channel				5012.04	5180.98	5310.00	16.5	0.0
Frequency (MHz)				2104.97	2182.90	2165.90		
20	QPSK	1	1	15.37	15.57	15.42	16.5	0.0
Channel								



WLAN/Bluetooth Power

Art 15-16			Full power/Minipoint Standalone		Head Standalone/Minipoint Standalone		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit		
2-GHz WLAN	802.11b (Mbps)	1	2412	20.21	21.50	17.24	18.50	99.32
		6	2437	20.26	21.50	17.24	18.50	
		11	2462	20.11	21.50	17.11	18.50	
	802.11g (Mbps)	1	2412	16.94	18.50		18.50	99.32
		6	2437	20.48	22.00		18.50	
		11	2462	17.64	19.50		18.50	
	802.11a+HT20 MCS0	1	2412	15.77	17.50		18.50	100.00
		6	2437	18.62	20.50		18.50	
		11	2462	17.05	19.00		18.50	
	802.11a+HT40 MCS0	3	2420	17.80	19.50		18.50	100.00
		6	2437	17.67	19.50		18.50	
		9	2452	17.69	19.50		18.50	
802.11a+HE40 MCS0	802.11a+HE40 MCS0	1	2412	15.85	17.50		17.50	100.00
		6	2437	16.77	20.50		18.50	
		11	2462	17.12	19.00		18.50	
	802.11a+HE40 MCS0	3	2432	16.30	20.00		18.50	100.00
		6	2437	16.37	20.00		18.50	
		9	2452	17.07	19.00		18.50	

Art 15-16				Head Standalone		Head Standalone		Body Standalone		Body Standalone		Handset Standalone		Handset Standalone		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Power Setting	Average power (dBm)	Time-Up Limit	Power Setting	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
R02.11a-MBO	36	5180	16.48	21.00		17.00		14.00		19.00			19.48	21.00		16.00	
	40	5200	21.09	23.00		17.00		14.00		21.00			21.68	23.00		16.00	
	44	5220	21.90	23.00		17.00		14.00		21.00			21.44	23.00		16.00	
	48	5240	21.06	23.00		17.00		14.00		21.00		Not Required	21.06	23.00		16.00	
	36	5180	16.75	21.00		17.00		14.00		21.00		Not Required	16.75	21.00		16.00	
	40	5200	20.89	22.50		17.00		14.00		21.00		Not Required	20.89	22.50		16.00	
R02.11a+HT20 MCS0	44	5220	20.75	22.50		17.00		14.00		21.00			20.75	22.50		16.00	
	48	5240	18.71	20.50		17.00		14.00		21.00			18.71	20.50		16.00	
	36	5180	19.85	21.00	Not Required		14.00	21.00	Not Required			Not Required	19.85	21.00	Not Required	16.00	
	40	5200	20.89	22.50		17.00	Not Required	14.00	21.00	Not Required		Not Required	20.89	22.50		16.00	
	44	5220	20.75	22.50		17.00	Not Required	14.00	21.00	Not Required		Not Required	20.75	22.50		16.00	
	48	5240	20.81	22.50		17.00	Not Required	14.00	21.00	Not Required		Not Required	20.81	22.50		16.00	
S-SDS WLAN	36	5180	16.75	20.50		17.00		14.00	18.71	20.50	18.00		19.00		20.50	100.00	
	40	5200	19.85	21.00		17.00		14.00	19.85	20.50	17.00		19.00		21.00	100.00	
	36	5180	19.21	21.00		17.00		14.00		21.00			19.21	21.00		16.00	
	40	5200	20.89	22.50		17.00		14.00		21.00			20.89	22.50		16.00	
	44	5220	20.76	22.50		17.00		14.00		21.00			20.76	22.50		16.00	
	48	5240	20.81	22.50		17.00		14.00		21.00			20.81	22.50		16.00	
R02.11a+VHT40 MCS0	36	5180	16.75	20.50		17.00		14.00		20.50		Not Required		20.50		16.00	
	40	5200	19.83	21.00		17.00		14.00		21.00			19.83	21.00		16.00	
	42	5210	17.96	19.50	15.43	17.00	12.48	14.00		19.50		17.68	19.00	15.00	14.42	16.00	100.00
	36	5180	16.48	21.00		17.00		14.00		21.00		Not Required		21.00		16.00	
	40	5200	21.07	22.50		17.00		14.00		21.00		Not Required		21.00		16.00	
	44	5220	20.66	22.50		17.00		14.00		21.00		Not Required		21.00		16.00	
R02.11a+HE20 MCS0	48	5240	20.93	22.50		17.00		14.00		21.00			20.93	22.50		16.00	
	36	5180	16.76	20.50		17.00		14.00		20.50		Not Required		20.50		16.00	
	40	5200	16.89	21.50		17.00		14.00		21.00		Not Required		21.00		16.00	
	44	5220	18.08	20.00		17.00		14.00		20.00		Not Required		20.00		16.00	
	48	5240	16.48	21.00		17.00		14.00		21.00		Not Required		21.00		16.00	
	42	5210	18.08	20.00		17.00		14.00		20.00		Not Required		20.00		16.00	
R02.11a+HE40 MCS0	36	5180	16.48	21.00		17.00		14.00		21.00			16.48	21.00		16.00	
	40	5200	21.07	22.50		17.00		14.00		21.00			21.07	22.50		16.00	
	44	5220	20.66	22.50		17.00		14.00		21.00			20.66	22.50		16.00	
	48	5240	20.93	22.50		17.00		14.00		21.00		Not Required		21.00		16.00	
	36	5180	16.76	20.50		17.00		14.00		20.50		Not Required		20.50		16.00	
	40	5200	16.89	21.50		17.00		14.00		21.00		Not Required		21.00		16.00	
R02.11a+HE80 MCS0	42	5210	18.08	20.00		17.00		14.00		20.00			18.08	20.00		16.00	
	40	5200	19.89	21.50		17.00		14.00		21.00			19.89	21.50		16.00	
	36	5180	16.48	21.00		17.00		14.00		21.00			16.48	21.00		16.00	
	40	5200	21.07	22.50		17.00		14.00		21.00			21.07	22.50		16.00	
	44	5220	20.66	22.50		17.00		14.00		21.00			20.66	22.50		16.00	
	48	5240	20.93	22.50		17.00		14.00		21.00		Not Required		21.00		16.00	

Art 15-16				Head Standalone		Head Standalone		Body Standalone		Body Standalone		Handset Standalone		Handset Standalone		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Power Setting	Average power (dBm)	Time-Up Limit	Power Setting	Average power (dBm)	Time-Up Limit	Average power (dBm)	
5.3GHz WLAN	R02.11a(MBO)	52	5260	21.05	23.00	17.00	14.00	20.50	19.00	21.05	23.00	19.00	21.05	23.00	99.32	
		56	5280	21.00	23.00	17.00	14.00	20.50	19.00	21.00	23.00	19.00	21.10	23.00		
		60	5300	21.06	23.00	17.00	14.00	20.50	19.00	21.06	23.00	19.00	21.22	23.00		
		64	5320	20.05	22.00	17.00	14.00	20.50	19.00	20.05	22.00	19.00	20.05	22.00		
		52	5260	20.65	22.50	17.00	14.00	20.50	19.00	20.65	22.50	19.00	20.65	22.50		
		56	5280	20.64	22.50	17.00	14.00	20.50	19.00	20.64	22.50	19.00	20.64	22.50		
	R02.11a+HT20 MCS0	60	5300	20.74	22.50	17.00	14.00	20.50	19.00	20.74	22.50	19.00	20.74	22.50	100.00	
		64	5320	19.94	21.50	17.00	14.00	20.50	19.00	19.94	21.50	19.00	19.94	21.50		
		52	5260	19.81	21.50	17.00	14.00	18.71	20.50	19.00	19.81	21.50	19.00	19.81	21.50	
		62	6010	19.36	21.00	17.00	14.00	18.07	20.50	19.00	19.36	21.00	19.00	19.36	21.00	
		52	5260	20.67	22.50	17.00	14.00	20.50	19.00	20.67	22.50	19.00	20.67	22.50		
		56	5280	20.72	22.50	17.00	14.00	20.50	19.00	20.72	22.50	19.00	20.72	22.50	100.00	
R02.11a+VHT20 MCS0	64	5320	19.63	21.50	17.00	14.00	20.50	19.00	19.63	21.50	19.00	19.63	21.50			
	54	5270	19.82	21.50	17.00	14.00	20.50	19.00	19.82	21.50	19.00	19.82	21.50			
	62	5310	19.39	21.00	17.00	14.00	20.50	19.00	19.39	21.00	19.00	19.39	21.00	100.00		
	56	5280	18.00	19.50	15.28	17.00	12.23	14.00	19.50	17.42	19.00	15.50	16.00			
	64	5320	18.60	19.50	15.28	17.00	12.23	14.00	19.50	18.60	19.50	15.50	16.00			
	52	5260	17.57	19.50	17.00	14.00	19.60	19.00	17.57	19.50	19.00	17.57	19.50	100		
R02.11a+HE20 MCS0	56	5280	20.93	22.50	17.00	14.00	20.50	19.00	20.93	22.50	19.00	20.93	22.50	100.00		
	60	5300	20.92	22.50	17.00	14.00	20.50	19.00	20.92	22.50	19.00	20.92	22.50			
	64	5320	19.87	21.50	17.00	14.00	20.50	19.00	19.87	21.50	19.00	19.87	21.50			
	54	5270	19.85	21.50	17.00	14.00	20.50	19.00	19.85	21.50	19.00	19.85	21.50	100.00		
	62	5310	19.42	21.00	17.00	14.00	20.50	19.00	19.42	21.00	19.00	19.42	21.00			
	58	5300	18.11	20.00	17.00	14.00	20.00	19.00	18.11	20.00	19.00	18.11	20.00	100.00		
R02.11a+HE40 MCS0	50	5250	17.60	19.50	17.00	14.00	19.00	19.00	17.60	19.50	19.00	17.60	19.50	100		

Art 15-16				Head Standalone		Head Standalone		Body Standalone		Body Standalone		Handset Standalone		Handset Standalone		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Power Setting	Average power (dBm)	Time-Up Limit	Power Setting	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
R02.11a (MBO)	100	5500	20.63	23.00	17.50		14.50	20.50		17.50		20.72	23.00			99.32	
	116	5680	21.75	23.00	17.50		14.50	20.50		17.50		20.78	23.00				
	124	5620	21.61	23.00	17.50		14.50	20.50		17.50		20.68	23.00				
	132	5660	21.72	23.00	17.50		14.50	20.50		17.50		20.75	23.00				
	140	5700	20.26	23.00	17.50		14.50	20.50		17.50		20.70	23.00				
R02.11a (MBO)	144	5720	21.86	23.00	17.50		14.50	20.50		17.50		20.92	23.00			100.00	
	100	5500	20.57	22.50	17.50		14.50	20.50		17.50		20.72	22.50				
	116	5680	20.57	22.50	17.50		14.50	20.50		17.50		20.78	22.50				
	124	5620	20.62	22.50	17.50		14.50	20.50		17.50		20.68	22.50				
	132	5660	20.59	22.50	17.50		14.50	20.50		17.50		20.75	22.50				
R02.11a (MBO)	140	5700	19.43	22.50	17.50		14.50	20.50		17.50		20.70	22.50			100.00	
	144	5720	20.84	22.50	17.50		14.50	20.50		17.50		20.92	22.50				
	100	5510	19.59	22.50	17.50		14.50	20.50		17.50		20.72	22.50				
	116	5550	19.67	21.00	17.50		14.50	20.50		17.50		20.75	21.00				
	126	5630	19.71	21.00	17.50	Not Required	14.50	20.50	Not Required	17.50	Not Required	21.00	21.00			100.00	
134	5670	19.72	21.00	17.50		14.50	20.50		17.50		21.00	21.00					
142	5710	19.76	21.00	17.50		14.50	20.50		17.50		21.05	21.00					
100	5500	20.57	22.50	17.50		14.50	20.50		17.50		20.72	22.50					
R02.11a (MBO)	116	5680	20.55	22.50	17.50		14.50	20.50		17.50		20.75	22.50			100.00	
	124	5620	20.60	22.50	17.50		14.50	20.50		17.50		20.70	22.50				
	132	5660	20.60	22.50	17.50		14.50	20.50		17.50		20.75	22.50				
	140	5700	19.52	22.50	17.50		14.50	20.50		17.50		20.70	22.50				
	144	5720	20.62	22.50	17.50		14.50	20.50		17.50		20.92	22.50			100.00	
100	5510	19.65	21.00	17.50		14.50	20.50		17.50		20.72	21.00					
110	5550	19.73	21.00	17.50		14.50	20.50		17.50		20.75	21.00					
126	5630	19.71	21.00	17.50		14.50	20.50		17.50		21.00	21.00					
R02.11a (MBO)	134	5670	19.77	21.00	17.50		14.50	20.50		17.50		21.05	21.00			100.00	
	142	5710	19.71	21.00	17.50		14.50	20.50		17.50		21.00	21.00				
	100	5510	19.58	20.50	15.77	17.50	12.68	18.50	20.50	16.00	15.53	17.50	13.00	20.50			
	122	5610	19.60	20.50	15.79	17.50	12.68	18.50	20.50	16.00	15.54	17.50	13.00	20.50			
	138	5690	19.57	20.50	15.71	17.50	12.68	18.50	18.57	20.50	16.00	15.44	17.50	13.00	20.50		
R02.11a (MBO)	114	5570	17.62	19.00	17.50		14.50	19.50		17.50		19.00	19.00			100.00	
	100	5500	20.66	22.00	17.50		14.50	20.50		17.50		22.00	22.00				
	116	5680	20.66	22.00	17.50		14.50	20.50		17.50		22.00	22.00				
	124	5620	20.68	22.00	17.50		14.50	20.50		17.50		22.00	22.00				
	132	5660	20.62	22.00	17.50		14.50	20.50		17.50		22.00	22.00			100.00	
140	5700	19.65	22.00	17.50		14.50	20.50		17.50		22.00	22.00					
144	5720	20.75	22.50	17.50		14.50	20.50		17.50		22.50	22.50					
100	5510	19.70	21.00	17.50		14.50	20.50		17.50		21.00	21.00			100.00		
116	5650	19.75	21.00	17.50	Not Required	14.50	20.50	Not Required	17.50	Not Required	21.00	21.00					
126	5630	19.72	21.00	17.50		14.50	20.50		17.50		21.00	21.00					
134	5670	19.80	21.00	17.50		14.50	20.50		17.50		21.05	21.00					
R02.11a (MBO)	142	5710	19.80	21.00	17.50		14.50	20.50		17.50		21.00	21.00			100.00	
	106	5530	19.80	20.50	14.50	17.50	12.68	18.50	20.50	16.00	15.54	17.50	13.00	20.50			
	122	5610	19.81	20.50	17.50		14.50	20.50		17.50		20.50	20.50				
	138	5690	19.65	20.50	17.50		14.50	20.50		17.50		20.50	20.50				
	R02.11a (MBO)	114	5570	17.84	19.50	17.50		14.50	19.50		17.50		19.50	19.50			100.00

Standalone

BT BR/EDR Ant15

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	16.17	13.90	14.02	17.00
	CH 39	2441	16.56	14.37	14.39	17.00
	CH 78	2480	15.84	13.19	13.14	17.00

BT BR/EDR Ant16

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	16.51	14.42	13.85	17.00
	CH 39	2441	16.66	14.21	13.82	17.00
	CH 78	2480	15.57	11.68	11.32	17.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.85
	CH 19	2440	5.82
	CH 39	2480	4.10
Tune-up Limit			6

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.47
	CH 19	2440	5.06
	CH 39	2480	4.02
Tune-up Limit			6

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.76
	CH 19	2440	5.73
	CH 39	2480	3.78
Tune-up Limit			6.00

BLE_2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	4.50
	CH 19	2440	5.17
	CH 39	2480	3.63
Tune-up Limit			6.00

Simultaneous

BT BR/EDR Ant15

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	9.93			11.00
	CH 39	2441	10.07	Not Required	Not Required	11.00
	CH 78	2480	9.56			11.00

BT BR/EDR Ant16

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.08			11.00
	CH 39	2441	10.11	Not Required	Not Required	11.00
	CH 78	2480	9.49			11.00