



Full&Default Power

GSM650_Ant 0	Burst Average Power (dBm)	Tune-up Limit (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		158	159	251	152	159	251		
TX Channel	Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6		
GSM 1 Tx slot		32.45	32.61	32.79	33.50	23.45	23.61	23.79	24.50
GPRS 1 Tx slots		32.44	32.59	32.72	33.50	23.44	23.59	23.72	24.50
GPRS 2 Tx slots		29.27	29.48	29.60	30.50	23.27	23.48	23.60	24.50
GPRS 3 Tx slots		27.55	27.72	27.85	28.70	23.29	23.48	23.69	24.50
GPRS 4 Tx slots		26.33	26.51	26.49	27.50	23.33	23.51	23.49	24.50
EDGE 1 Tx slot		26.87	26.84	28.35	27.50	17.87	17.84	17.35	18.50
EDGE 2 Tx slots		23.93	23.91	23.51	25.00	17.93	17.91	17.51	19.00
EDGE 3 Tx slots		22.01	22.23	21.98	23.20	17.75	17.97	17.72	18.94
EDGE 4 Tx slots		20.76	20.88	20.53	22.00	17.76	17.88	17.53	19.00
DTM Multi-slot class 5	GSM 1 Tx slot								
	GPRS 1 Tx slot					23.08	23.26	23.34	24.48
DTM Multi-slot class 9	GSM 1 Tx slot					23.00	23.24	23.34	24.48
	GPRS 1 Tx slot								
DTM Multi-slot class 11	GSM 1 Tx slot					23.04	23.25	23.41	24.44
	GPRS 2 Tx slots								
DTM Multi-slot class 5	GSM 1 Tx slot					21.16	21.31	21.38	22.55
	EDGE 1 Tx slot								
DTM Multi-slot class 9	GSM 1 Tx slot					21.18	21.37	21.38	22.55
	EDGE 1 Tx slot								
DTM Multi-slot class 11	GSM 1 Tx slot					20.17	20.41	20.42	21.61
	EDGE 2 Tx slots								

GSM1900_Ant 2	Burst Average Power (dBm)	Tune-up Limit (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		512	661	810	512	661	810		
TX Channel	Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8		
GSM 1 Tx slot		29.83	29.45	29.87	30.50	20.83	20.45	20.87	21.50
GPRS 1 Tx slot		29.74	29.44	29.76	30.50	20.74	20.44	20.76	21.50
GPRS 2 Tx slots		26.50	26.68	26.55	27.50	20.50	20.68	20.55	21.50
GPRS 3 Tx slots		24.83	24.67	24.77	25.70	20.57	20.41	20.51	21.44
GPRS 4 Tx slots		23.06	23.09	23.07	24.50	20.06	20.09	20.07	21.30
EDGE 1 Tx slot		26.48	26.28	26.55	27.00	17.48	17.28	17.55	18.00
EDGE 2 Tx slots		23.38	23.28	23.28	24.00	17.36	17.38	17.28	18.00
EDGE 3 Tx slots		21.50	21.63	21.42	22.20	17.24	17.37	17.16	17.94
EDGE 4 Tx slots		20.14	20.02	20.01	21.00	17.14	17.02	17.01	18.00
DTM Multi-slot class 5	GSM 1 Tx slot					20.23	20.40	20.22	21.48
	GPRS 1 Tx slot								
DTM Multi-slot class 9	GSM 1 Tx slot					20.30	20.48	20.30	21.48
	GPRS 1 Tx slot								
DTM Multi-slot class 11	GSM 1 Tx slot					20.34	20.26	20.29	21.44
	GPRS 2 Tx slots								
DTM Multi-slot class 5	GSM 1 Tx slot					18.99	19.12	18.95	20.07
	EDGE 1 Tx slot								
DTM Multi-slot class 9	GSM 1 Tx slot					19.00	19.09	19.01	20.07
	EDGE 1 Tx slot								
DTM Multi-slot class 11	GSM 1 Tx slot					18.44	18.40	18.38	19.44
	EDGE 2 Tx slots								

Band	TX Channel	WCDMA II_Ant2			Tune-up Limit (dBm)	WCDMA II_Ant3			Tune-up Limit (dBm)
		9262	9400	9538		9262	9400	9538	
3GPP Rel 99	Rx Channel	9602	9800	9938	9602	9800	9938		
	Frequency (MHz)	1862.4	1880	1907.6	1862.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	24.31	24.33	24.20	25.00	24.60	24.66	24.55	26.00
3GPP Rel 99	RMC 12.2Kbps	24.33	24.36	24.22	25.00	24.81	24.67	24.56	26.00
3GPP Rel 6	HSDPA Subtest-1	23.25	23.12	23.27	24.00	23.73	23.76	23.64	24.00
3GPP Rel 6	HSDPA Subtest-2	23.22	23.18	23.27	24.00	23.69	23.73	23.58	24.00
3GPP Rel 6	HSDPA Subtest-3	22.71	22.67	22.75	23.50	23.28	23.19	23.17	23.50
3GPP Rel 6	HSDPA Subtest-4	22.73	22.67	22.73	23.50	23.21	23.18	23.06	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.67	22.70	22.68	24.00	22.83	22.68	22.87	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.63	22.67	22.65	24.00	22.81	22.66	22.65	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.10	22.15	22.13	23.50	22.01	22.01	22.00	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.13	22.18	22.15	23.50	21.98	22.02	22.00	23.50
3GPP Rel 6	HSUPA Subtest-1	23.28	23.28	23.27	24.00	23.73	23.77	23.84	24.00
3GPP Rel 6	HSUPA Subtest-2	21.27	21.30	21.23	22.00	21.78	21.74	21.88	22.00
3GPP Rel 6	HSUPA Subtest-3	22.23	22.30	22.21	23.00	22.71	22.75	22.84	23.00
3GPP Rel 6	HSUPA Subtest-4	21.27	21.32	21.19	22.00	21.74	21.73	21.85	22.00
3GPP Rel 6	HSUPA Subtest-5	23.30	23.30	23.30	24.00	23.80	23.70	23.80	24.00

Band	TX Channel	WCDMA V_Ant0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
		4132	4182	4233		4132	4182	4233	
3GPP Rel 99	Rx Channel	4357	4407	4458	4357	4407	4458		
	Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.15	24.17	24.13	25.00	24.22	24.23	24.14	26.00
3GPP Rel 99	RMC 12.2Kbps	24.16	24.19	24.18	25.00	24.25	24.28	24.16	26.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.11	23.05	24.00	23.18	23.18	23.14	24.00
3GPP Rel 6	HSDPA Subtest-2	23.15	23.12	23.05	24.00	23.20	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.83	22.56	23.50	22.71	22.69	22.81	23.50
3GPP Rel 6	HSDPA Subtest-4	22.68	22.80	22.55	23.50	22.71	22.67	22.83	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.80	22.83	22.91	24.00	22.78	22.82	22.80	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.89	22.92	22.90	24.00	22.78	22.77	22.76	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.38	22.41	22.40	23.50	22.28	22.29	22.28	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.35	22.39	22.38	23.50	22.23	22.27	22.24	23.50
3GPP Rel 6	HSUPA Subtest-1	23.08	23.09	23.10	24.00	23.16	23.16	23.14	24.00
3GPP Rel 6	HSUPA Subtest-2	21.15	21.07	21.01	22.00	21.14	21.16	21.09	22.00
3GPP Rel 6	HSUPA Subtest-3	22.05	22.11	22.03	23.00	22.17	22.16	22.11	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.04	21.01	22.00	21.10	21.15	21.08	22.00
3GPP Rel 6	HSUPA Subtest-5	23.10	23.10	23.00	24.00	23.10	23.20	23.10	24.00

GSM650_Ant 1	Burst Average Power (dBm)	Tune-up Limit (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		152	159	251	152	159	251		
TX Channel	Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6		
GSM 1 Tx slot		32.32	32.36	32.47	33.50	23.32	23.36	23.47	24.50
GPRS 1 Tx slot		32.30	32.35	32.44	33.50	23.30	23.35	23.44	24.50
GPRS 2 Tx slots		29.14	29.19	29.27	30.50	23.14	23.19	23.27	24.50
GPRS 3 Tx slots		27.44	27.45	27.49	28.70	23.18	23.19	23.23	24.50
GPRS 4 Tx slots		26.23	26.24	26.12	27.50	23.23	23.24	23.12	24.50
EDGE 1 Tx slot		26.72	26.89	26.53	27.50	17.72	17.89	17.53	18.50
EDGE 2 Tx slots		23.73	23.88	23.66	25.00	17.73	17.88	17.66	19.00
EDGE 3 Tx slots		21.97	22.04	21.84	23.20	17.71	17.78	17.58	18.94
EDGE 4 Tx slots		20.61	20.65	20.53	22.00	17.61	17.65	17.53	19.00
DTM Multi-slot class 5	GSM 1 Tx slot					23.98	23.91	23.11	24.48
	GPRS 1 Tx slot								
DTM Multi-slot class 9	GSM 1 Tx slot					23.91	23.91	23.15	24.48
	GPRS 1 Tx slot								
DTM Multi-slot class 11	GSM 1 Tx slot					23.92	23.89	23.06	24.48
	GPRS 2 Tx slots								
DTM Multi-slot class 5	GSM 1 Tx slot					22.93	22.88	23.04	22.55
	EDGE 1 Tx slot								
DTM Multi-slot class 9	GSM 1 Tx slot					22.85	22.90	22.09	22.55
	EDGE 1 Tx slot								
DTM Multi-slot class 11	GSM 1 Tx slot					20.93	21.08	21.10	22.55
	EDGE 2 Tx slots								

GSM1900_Ant 3	Burst Average Power (dBm)	Tune-up Limit (dBm)			Frame-Average Power (dBm)			Tune-up Limit (dBm)	
		512	661	810	512	661	810		
TX Channel	Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8		
GSM 1 Tx slot		29.45	29.26	29.46	30.50	20.45	20.26	20.46	21.50
GPRS 1 Tx slot		29.43	29.25	29.45	30.50	20.43	20.25	20.45	21.50
GPRS 2 Tx slots		26.17	26.42	26.06	27.50	20.17	20.42		



Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel Frequency (MHz)										
				2150	2150	2150				
20	QPSK	1	0	23.73	23.77	23.81	24.5	0		
20	QPSK	1	48	23.85	23.87	23.88				
20	QPSK	30	0	23.92	23.93	23.94				
20	QPSK	30	48	23.93	23.97	23.98				
20	QPSK	50	0	23.93	23.97	23.98				
20	QPSK	50	24	23.93	23.98	23.99	23.5	1		
20	QPSK	100	0	23.93	23.98	23.99				
20	QPSK	100	48	23.97	23.98	23.98				
20	HEGAM	1	0	23.16	23.16	23.16	23.5	1		
20	HEGAM	1	48	23.16	23.16	23.16				
20	HEGAM	1	96	23.16	23.16	23.16				
20	HEGAM	50	0	23.16	23.16	23.16				
20	HEGAM	50	24	23.16	23.16	23.16	22.5	2		
20	HEGAM	50	48	23.16	23.16	23.16				
20	HEGAM	100	0	23.16	23.16	23.16				
20	HEGAM	100	24	23.16	23.16	23.16	22.5	2		
20	HEGAM	100	48	23.16	23.16	23.16				
20	HEGAM	1	96	23.16	23.16	23.16				
20	HEGAM	50	96	23.16	23.16	23.16	21.5	3		
20	HEGAM	100	96	23.16	23.16	23.16	19.5	5		
20	HEGAM	50	0	18.30	18.30	18.30	19.5	5		
20	HEGAM	50	24	18.30	18.30	18.30				
20	HEGAM	50	48	18.30	18.30	18.30				
20	HEGAM	100	0	18.30	18.30	18.30	19.5	5		
20	HEGAM	100	24	18.30	18.30	18.30				
20	HEGAM	100	48	18.30	18.30	18.30				
Channel Frequency (MHz)										
				2150	2150	2150				
15	QPSK	1	0	23.88	23.88	23.88	24.5	0		
15	QPSK	1	37	23.70	23.74	23.83				
15	QPSK	1	74	23.84	23.84	23.84				
15	QPSK	36	0	23.83	23.78	23.88				
15	QPSK	36	20	23.85	23.78	23.75	23.5	1		
15	QPSK	72	0	23.84	23.79	23.87				
15	HEGAM	1	0	23.86	23.82	23.84	23.5	1		
15	HEGAM	1	37	23.82	23.82	23.82				
15	HEGAM	1	74	23.82	23.82	23.82				
15	HEGAM	36	0	23.81	23.79	23.82	22.5	2		
15	HEGAM	36	20	23.82	23.81	23.81				
15	HEGAM	36	37	23.81	23.81	23.79	22.5	2		
15	HEGAM	72	0	23.84	23.82	23.84				
15	HEGAM	72	20	23.85	23.79	23.79	21.5	3		
15	HEGAM	72	37	23.85	23.82	23.82	19.5	5		
15	HEGAM	36	37	23.84	23.84	23.84				
15	HEGAM	36	74	23.84	23.84	23.84				
15	HEGAM	36	0	18.28	18.28	18.28	19.5	5		
15	HEGAM	36	20	18.29	18.28	18.28				
15	HEGAM	36	37	18.29	18.28	18.28				
15	HEGAM	72	0	18.28	18.28	18.28	19.5	5		
15	HEGAM	72	20	18.28	18.28	18.28				
15	HEGAM	72	37	18.28	18.28	18.28				
15	HEGAM	36	74	18.28	18.28	18.28	19.5	5		
15	HEGAM	36	0	13.29	13.29	13.29	19.5	5		
15	HEGAM	36	20	13.29	13.29	13.29				
15	HEGAM	36	37	13.29	13.29	13.29				
15	HEGAM	72	0	13.29	13.29	13.29	19.5	5		
15	HEGAM	72	20	13.29	13.29	13.29				
15	HEGAM	72	37	13.29	13.29	13.29				
15	HEGAM	36	74	13.29	13.29	13.29	19.5	5		
Channel Frequency (MHz)										
				2150	2150	2150				
10	QPSK	1	0	23.89	23.81	23.84	24.5	0		
10	QPSK	1	25	23.70	23.74	23.84				
10	QPSK	1	50	23.84	23.84	23.84				
10	QPSK	25	0	23.77	23.88	23.89				
10	QPSK	25	12	23.77	23.72	23.75	23.5	1		
10	QPSK	50	0	23.78	23.71	23.82				
10	QPSK	50	12	23.78	23.71	23.82				
10	HEGAM	1	0	23.88	23.82	23.83	23.5	1		
10	HEGAM	1	48	23.88	23.88	23.88				
10	HEGAM	25	0	23.75	23.75	23.74				
10	HEGAM	25	12	23.80	23.77	23.84	22.5	2		
10	HEGAM	25	24	23.72	23.72	23.74				
10	HEGAM	50	0	23.76	23.76	23.80				
10	HEGAM	50	12	23.80	23.80	23.80	22.5	2		
10	HEGAM	50	24	23.83	23.78	23.74	21.5	3		
10	HEGAM	50	36	23.81	23.75	23.81	19.5	5		
10	HEGAM	25	36	23.79	23.75	23.81				
10	HEGAM	25	12	23.81	23.75	23.81				
10	HEGAM	25	24	23.82	23.78	23.82	19.5	5		
10	HEGAM	25	36	23.81	23.78	23.81				
10	HEGAM	50	36	23.81	23.78	23.81	19.5	5		
10	HEGAM	25	48	23.81	23.78	23.81				
10	HEGAM	25	12	18.28	18.28	18.28	19.5	5		
10	HEGAM	25	24	18.29	18.28	18.28				
10	HEGAM	25	36	18.29	18.28	18.28				
10	HEGAM	50	36	18.29	18.28	18.28	19.5	5		
10	HEGAM	25	48	18.29	18.28	18.28				
10	HEGAM	25	12	13.29	13.29	13.29	19.5	5		
10	HEGAM	25	24	13.29	13.29	13.29				
10	HEGAM	25	36	13.29	13.29	13.29				
10	HEGAM	50	36	13.29	13.29	13.29	19.5	5		
10	HEGAM	25	48	13.29	13.29	13.29				
Channel Frequency (MHz)										
				2150	2150	2150				
5	QPSK	1	0	23.84	23.83	23.88	24.5	0		
5	QPSK	1	12	23.83	23.80	23.79				
5	QPSK	1	24	23.82	23.86	23.87				
5	QPSK	12	0	23.81	23.87	23.77				
5	QPSK	12	7	23.78	23.88	23.87	23.5	1		
5	QPSK	24	0	23.84	23.84	23.78				
5	HEGAM	1	0	23.17	23.23	23.24	23.5	1		
5	HEGAM	1	18	23.13	23.28	23.17				
5	HEGAM	1	24	23.28	23.23	23.25				
5	HEGAM	12	0	23.22	23.20	23.83	22.5	2		
5	HEGAM	12	7	23.21	23.21	23.86				
5	HEGAM	12	13	23.18	23.21	23.83				
5	HEGAM	24	0	23.12	23.13	23.82	22.5	2		
5	HEGAM	1	12	23.16	23.15	23.27	22.5	2		
5	HEGAM	1	24	23.02	23.08	23.88	21.5	3		
5	HEGAM	12	7	23.07	23.07	23.83	19.5	5		
5	HEGAM	12	13	23.04	23.05	23.82				
5	HEGAM	1	0	18.29	18.27	18.22	19.5	5		
5	HEGAM	1	12	18.28	18.26	18.23				
5	HEGAM	1	24	18.24	18.26	18.23				
5	HEGAM	12	0	18.21	18.26	18.26	19.5	5		
5	HEGAM	12	7	18.21	18.26	18.26				
5	HEGAM	12	13	18.28	18.28	18.26	19.5	5		
5	HEGAM	12	13	18.28	18.28	18.26				
5	HEGAM	25	0	18.29	18.28	18.29				

Band 7_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MFR (dB)		
Channel Frequency (MHz)										
				2050	2100	2150				
20	QPSK	1	0	23.80	23.88	23.88	24.5	0		
20	QPSK	1	48	23.85	23.87	23.89				
20	QPSK	30	0	23.92	23.93	23.94				
20	QPSK	30	48	23.93	23.97	23.98				
20	QPSK	50	0	23.93	23.97	23.98				
20	QPSK	50	24	23.93	23.98	23.99	23.5	1		
20	QPSK	100	0	23.93	23.98	23.99				



Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turnup (min)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.45	23.45	23.55	24.5	0		
15	QPSK	1	37	23.31	23.34	23.28				
15	QPSK	1	49	23.16	23.12	23.28				
15	QPSK	36	0	22.47	22.49	22.45				
15	QPSK	36	30	22.45	22.34	22.42	23.5	1		
15	QPSK	36	60	22.49	22.42	22.38				
15	QPSK	75	0	22.47	22.45	22.31				
15	HQAM	1	0	22.55	22.43	22.67	23.5	1		
15	HQAM	1	37	22.51	22.28	22.51				
15	HQAM	1	14	22.63	22.53	22.56				
15	HQAM	36	0	21.48	21.45	21.37				
15	HQAM	36	30	21.53	21.46	21.45				
15	HQAM	36	36	21.43	21.45	21.38	22.5	2		
15	HQAM	75	0	21.48	21.38	21.42				
15	HQAM	75	0	21.53	21.57	21.55				
15	HQAM	1	37	21.57	21.58	21.44	22.5	2		
15	HQAM	1	74	21.54	21.37	21.28				
15	HQAM	36	0	20.48	20.39	20.41				
15	HQAM	36	30	20.45	20.38	20.40	21.5	3		
15	HQAM	36	36	20.48	20.48	20.40				
15	HQAM	75	0	20.48	20.42	20.39				
15	ZSSBQAM	1	0	18.62	18.60	18.67	19.5	5		
15	ZSSBQAM	1	37	18.67	18.68	18.68				
15	ZSSBQAM	36	0	18.62	18.60	18.65				
15	ZSSBQAM	36	30	18.67	18.68	18.64	19.5	5		
15	ZSSBQAM	75	0	18.54	18.55	18.54				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.33	23.30	23.31	24.5	0		
10	QPSK	1	35	23.30	23.28	23.17				
10	QPSK	25	0	22.40	22.41	22.43				
10	QPSK	25	12	22.41	22.27	22.37	23.5	1		
10	QPSK	50	0	22.41	22.29	22.38				
10	QPSK	50	0	22.38	22.40	22.28				
10	HQAM	1	0	22.49	22.32	22.57	23.5	1		
10	HQAM	1	48	22.48	22.46	22.48				
10	HQAM	1	48	22.64	22.51	22.48				
10	HQAM	25	0	21.44	21.44	21.28				
10	HQAM	25	0	21.45	21.34	21.34	22.5	2		
10	HQAM	50	0	21.45	21.24	21.34				
10	HQAM	50	0	21.54	21.52	21.44				
10	HQAM	1	25	21.51	21.55	21.34	22.5	2		
10	HQAM	1	60	21.48	21.34	21.28				
10	HQAM	25	0	20.45	20.34	20.36				
10	HQAM	25	50	20.41	20.44	20.38	21.5	3		
10	HQAM	50	0	20.44	20.35	20.34				
10	ZSSBQAM	1	0	18.61	18.60	18.67	19.5	5		
10	ZSSBQAM	1	37	18.71	18.72	18.67				
10	ZSSBQAM	36	0	18.60	18.60	18.61				
10	ZSSBQAM	36	30	18.53	18.56	18.49	19.5	5		
10	ZSSBQAM	75	0	18.44	18.48	18.48				
10	ZSSBQAM	75	0	18.53	18.55	18.54				
10	ZSSBQAM	75	0	18.55	18.58	18.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.32	23.30	23.30	24.5	0		
5	QPSK	1	12	23.30	23.33	23.27				
5	QPSK	12	0	22.38	22.40	22.38				
5	QPSK	12	7	22.39	22.31	22.37	23.5	1		
5	QPSK	25	0	22.41	22.41	22.38				
5	QPSK	25	0	22.39	22.43	22.28				
5	HQAM	1	0	22.52	22.34	22.68	23.5	1		
5	HQAM	1	24	22.64	22.52	22.45				
5	HQAM	12	0	21.40	21.38	21.36				
5	HQAM	12	7	21.45	21.34	21.37	22.5	2		
5	HQAM	12	13	21.38	21.38	21.38				
5	HQAM	25	0	21.44	21.32	21.40				
5	HQAM	25	0	21.50	21.50	21.41				
5	HQAM	1	12	21.53	21.49	21.38	22.5	2		
5	HQAM	1	24	21.48	21.34	21.28				
5	HQAM	12	7	20.43	20.33	20.31	21.5	3		
5	HQAM	12	7	20.43	20.43	20.32				
5	HQAM	25	0	20.39	20.40	20.34				
5	ZSSBQAM	1	0	18.62	18.60	18.67	19.5	5		
5	ZSSBQAM	1	12	18.71	18.68	18.67				
5	ZSSBQAM	36	0	18.62	18.60	18.61				
5	ZSSBQAM	36	30	18.56	18.53	18.51	19.5	5		
5	ZSSBQAM	75	0	18.44	18.48	18.48				
5	ZSSBQAM	75	0	18.53	18.55	18.54				
5	ZSSBQAM	75	0	18.55	18.58	18.54				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.32	23.30	23.30	24.5	0		
3	QPSK	1	8	23.28	23.39	23.22				
3	QPSK	8	0	22.40	22.38	22.38				
3	QPSK	8	4	22.38	22.33	22.37	23.5	1		
3	QPSK	15	0	22.43	22.43	22.33				
3	HQAM	1	0	22.48	22.34	22.61	23.5	1		
3	HQAM	1	8	22.64	22.48	22.45				
3	HQAM	1	14	22.54	22.48	22.43				
3	HQAM	8	0	21.40	21.43	21.36				
3	HQAM	8	4	21.45	21.36	21.38	22.5	2		
3	HQAM	8	7	21.34	21.38	21.38				
3	HQAM	15	0	21.40	21.28	21.32				
3	HQAM	15	0	21.50	21.50	21.44				
3	HQAM	1	8	21.53	21.54	21.40	22.5	2		
3	HQAM	1	14	21.51	21.39	21.21				
3	HQAM	8	0	20.40	20.40	20.36				
3	HQAM	8	4	20.39	20.38	20.37	21.5	3		
3	HQAM	8	7	20.41	20.37	20.38				
3	HQAM	15	0	20.42	20.37	20.36				
3	ZSSBQAM	1	0	18.62	18.67	18.60	19.5	5		
3	ZSSBQAM	1	8	18.72	18.67	18.71				
3	ZSSBQAM	8	0	18.49	18.49	18.54	19.5	5		
3	ZSSBQAM	8	7	18.52	18.55	18.54				
3	ZSSBQAM	15	0	18.51	18.50	18.54				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.29	23.30	23.30	24.5	0		
1.4	QPSK	1	3	23.21	23.32	23.22				
1.4	QPSK	3	0	23.16	23.11	23.01				
1.4	QPSK	3	0	23.19	23.17	23.11				
1.4	QPSK	3	1	23.14	23.31	23.15	23.5	1		
1.4	QPSK	6	0	23.08	23.02	23.02				
1.4	QPSK	6	0	22.48	22.42	22.21	23.5	1		
1.4	HQAM	1	0	22.53	22.40	22.66				
1.4	HQAM	1	14	22.43	22.61	22.45				
1.4	HQAM	1	5	22.58	22.47	22.40				
1.4	HQAM	3	0	22.48	22.36	22.64	23.5	1		
1.4	HQAM	3	1	22.41	22.58	22.39				
1.4	HQAM	3	3	22.52	22.40	22.48				
1.4	HQAM	6	0	21.37	21.28	21.40	22.5	2		
1.4	HQAM	6	0	21.53	21.48	21.41				
1.4	HQAM	1	3	21.45	21.47	21.42				
1.4	HQAM	1	9	21.47	21.38	21.28	22.5	2		
1.4	HQAM	3	0	21.52	21.49	21.36				
1.4	HQAM	3	1	21.43	21.39	21.34				
1.4	HQAM	6	0	21.46	21.37	21.38				
1.4	HQAM	6	0	20.39	20.37	20.31	21.5	3		
1.4	ZSSBQAM	1	0	18.62	18.60	18.67	19.5	5		
1.4	ZSSBQAM	1	8	18.69	18.68	18.68				
1.4	ZSSBQAM	3	0	18.50	18.52	18.51				
1.4	ZSSBQAM	3	3	18.58	18.55	18.54	19.5	5		
1.4	ZSSBQAM	6	0	18.52	18.57	18.54				

Band 30_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Turnup (min)	MPE (dB)		



Band 71_Ant 0										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (Freq.)	Power High Ch. (Freq.)	Power High Ch. (Freq.)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.73	23.85	23.77	24.5	0		
20	QPSK	1	48	23.87	23.78	23.71	24.5	0		
20	QPSK	50	24	23.72	23.76	23.80	23.5	1		
20	QPSK	50	0	23.48	22.58	22.55	23.5	1		
20	QPSK	50	24	22.45	22.52	22.50	23.5	1		
20	QPSK	100	0	22.42	22.48	22.38	23.5	1		
20	HQAM	1	0	22.71	22.78	22.68	23.5	1		
20	HQAM	24	0	22.70	22.74	22.70	23.5	1		
20	HQAM	1	56	22.74	22.71	22.74	23.5	1		
20	HQAM	50	0	21.50	21.50	21.49	22.5	2		
20	HQAM	50	24	21.48	21.53	21.49	22.5	2		
20	HQAM	50	50	21.44	21.54	21.51	22.5	2		
20	HQAM	100	0	21.49	21.58	21.47	22.5	2		
20	HQAM	1	0	21.85	21.71	21.66	22.5	2		
20	HQAM	1	48	21.82	21.68	21.65	22.5	2		
20	HQAM	1	96	21.58	21.68	21.62	22.5	2		
20	HQAM	50	0	20.38	20.39	20.34	21.5	3		
20	HQAM	50	24	20.35	20.37	20.43	21.5	3		
20	HQAM	50	50	20.49	20.34	20.47	21.5	3		
20	HQAM	100	0	20.39	20.45	20.38	21.5	3		
20	SSQAM	1	0	18.46	18.53	18.45	19.5	5		
20	SSQAM	1	48	18.43	18.48	18.43	19.5	5		
20	SSQAM	50	0	18.44	18.46	18.45	19.5	5		
20	SSQAM	50	24	18.42	18.49	18.39	19.5	5		
20	SSQAM	50	50	18.46	18.41	18.39	19.5	5		
20	SSQAM	100	0	18.37	18.43	18.44	19.5	5		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.70	23.78	23.72	24.5	0		
15	QPSK	1	37	23.58	23.72	23.66	24.5	0		
15	QPSK	1	74	23.46	23.66	23.56	24.5	0		
15	QPSK	36	0	22.44	22.52	22.48	23.5	1		
15	QPSK	36	20	22.42	22.41	22.47	23.5	1		
15	QPSK	36	20	22.38	22.43	22.38	23.5	1		
15	QPSK	75	0	22.38	22.44	22.38	23.5	1		
15	HQAM	1	0	22.65	22.72	22.68	23.5	1		
15	HQAM	24	0	22.64	22.68	22.66	23.5	1		
15	HQAM	1	74	22.73	22.74	22.69	23.5	1		
15	HQAM	36	0	21.45	21.48	21.43	22.5	2		
15	HQAM	36	20	21.42	21.50	21.46	22.5	2		
15	HQAM	36	36	21.33	21.46	21.43	22.5	2		
15	HQAM	75	0	21.45	21.48	21.44	22.5	2		
15	HQAM	1	0	21.39	21.47	21.39	22.5	2		
15	HQAM	1	37	21.56	21.54	21.58	22.5	2		
15	HQAM	1	74	21.50	21.58	21.50	22.5	2		
15	HQAM	36	20	20.51	20.50	20.42	21.5	3		
15	HQAM	36	20	20.46	20.51	20.45	21.5	3		
15	HQAM	36	36	20.47	20.52	20.42	21.5	3		
15	HQAM	75	0	20.32	20.38	20.30	21.5	3		
15	SSQAM	1	0	18.47	18.45	18.52	19.5	5		
15	SSQAM	1	37	18.41	18.41	18.45	19.5	5		
15	SSQAM	50	0	18.44	18.41	18.43	19.5	5		
15	SSQAM	50	24	18.41	18.47	18.40	19.5	5		
15	SSQAM	50	36	18.44	18.49	18.39	19.5	5		
15	SSQAM	50	75	18.44	18.49	18.39	19.5	5		
15	SSQAM	75	0	18.44	18.43	18.39	19.5	5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.69	23.74	23.68	24.5	0		
10	QPSK	1	25	23.59	23.74	23.64	24.5	0		
10	QPSK	1	48	23.46	23.66	23.54	24.5	0		
10	QPSK	24	0	22.41	22.52	22.52	23.5	1		
10	QPSK	25	12	22.41	22.51	22.47	23.5	1		
10	QPSK	25	12	22.40	22.38	22.47	23.5	1		
10	QPSK	50	0	22.35	22.39	22.33	23.5	1		
10	HQAM	1	0	22.68	22.67	22.64	23.5	1		
10	HQAM	24	0	22.63	22.67	22.66	23.5	1		
10	HQAM	1	48	22.67	22.71	22.66	23.5	1		
10	HQAM	25	0	21.45	21.43	21.44	22.5	2		
10	HQAM	25	12	21.38	21.53	21.47	22.5	2		
10	HQAM	25	24	21.38	21.45	21.50	22.5	2		
10	HQAM	50	0	21.42	21.44	21.41	22.5	2		
10	HQAM	1	0	21.81	21.60	21.61	22.5	2		
10	HQAM	1	25	21.55	21.66	21.58	22.5	2		
10	HQAM	1	48	21.51	21.59	21.59	22.5	2		
10	HQAM	25	0	20.49	20.54	20.47	21.5	3		
10	HQAM	25	12	20.49	20.51	20.49	21.5	3		
10	HQAM	25	25	20.43	20.48	20.43	21.5	3		
10	HQAM	50	0	20.35	20.43	20.28	21.5	3		
10	SSQAM	1	0	18.49	18.46	18.49	19.5	5		
10	SSQAM	1	25	18.40	18.41	18.42	19.5	5		
10	SSQAM	50	0	18.45	18.47	18.47	19.5	5		
10	SSQAM	25	0	18.42	18.42	18.38	19.5	5		
10	SSQAM	25	12	18.39	18.44	18.40	19.5	5		
10	SSQAM	25	25	18.44	18.49	18.45	19.5	5		
10	SSQAM	50	0	18.39	18.41	18.41	19.5	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.68	23.77	23.72	24.5	0		
5	QPSK	1	12	23.69	23.75	23.66	24.5	0		
5	QPSK	1	24	23.68	23.70	23.63	24.5	0		
5	QPSK	12	0	22.46	22.52	22.51	23.5	1		
5	QPSK	12	7	22.38	22.45	22.44	23.5	1		
5	QPSK	12	13	22.37	22.44	22.38	23.5	1		
5	QPSK	25	0	22.34	22.43	22.28	23.5	1		
5	HQAM	1	0	22.65	22.69	22.60	23.5	1		
5	HQAM	1	12	22.69	22.63	22.62	23.5	1		
5	HQAM	1	24	22.67	22.68	22.68	23.5	1		
5	HQAM	12	0	21.46	21.47	21.47	22.5	2		
5	HQAM	12	7	21.43	21.42	21.43	22.5	2		
5	HQAM	12	13	21.34	21.48	21.43	22.5	2		
5	HQAM	25	0	21.41	21.49	21.39	22.5	2		
5	HQAM	1	0	21.87	21.64	21.60	22.5	2		
5	HQAM	1	12	21.56	21.62	21.60	22.5	2		
5	HQAM	1	24	21.47	21.64	21.54	22.5	2		
5	HQAM	12	0	20.30	20.38	20.46	21.5	3		
5	HQAM	12	7	20.47	20.45	20.46	21.5	3		
5	HQAM	12	13	20.41	20.48	20.39	21.5	3		
5	HQAM	25	0	20.32	20.41	20.28	21.5	3		
5	SSQAM	1	0	18.50	18.45	18.49	19.5	5		
5	SSQAM	1	12	18.45	18.50	18.39	19.5	5		
5	SSQAM	50	0	18.41	18.39	18.39	19.5	5		
5	SSQAM	12	0	18.41	18.40	18.39	19.5	5		
5	SSQAM	12	13	18.46	18.48	18.44	19.5	5		
5	SSQAM	25	0	18.44	18.41	18.42	19.5	5		

Band 71_Ant 1										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (Freq.)	Power High Ch. (Freq.)	Power High Ch. (Freq.)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.6	23.73	23.68	24.5	0		
20	QPSK	1	48	23.62	23.70	23.69	24.5	0		
20	QPSK	50	24	23.63	23.68	23.61	23.5	1		
20	QPSK	50	0	22.42	22.48	22.42	23.5	1		
20	QPSK	50	24	22.38	22.46	22.38	23.5	1		
20	QPSK	100	0	22.29	22.38	22.32	23.5	1		
20	HQAM	1	0	22.59	22.66	22.56	23.5	1		
20	HQAM	24	0	22.59	22.63	22.60	23.5	1		
20	HQAM	1	56	22.61	22.65	22.61	23.5	1		
20	HQAM	50	0	21.50	21.48	21.42	22.5	2		
20	HQAM	50	24	21.49	21.50	21.44	22.5	2		
20	HQAM	50	50	21.43	21.50	21.44	22.5	2		
20	HQAM	100	0	21.50	21.43	21.38	22.5	2		
20										



DSI 9 Power

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.45	32.61	32.79	33.50	23.45	23.61	23.79	24.50
GPRS 1 Tx slot		32.44	32.59	32.72	33.50	23.44	23.59	23.72	24.50
GPRS 2 Tx slots		29.27	29.46	29.60	30.50	23.27	23.46	23.60	24.50
GPRS 3 Tx slots		27.85	27.72	27.85	28.70	23.29	23.46	23.59	24.44
GPRS 4 Tx slots		26.33	26.51	26.49	27.50	23.33	23.51	23.49	24.50
EDGE 1 Tx slot		26.67	26.64	26.35	27.50	17.67	17.64	17.35	18.50
EDGE 2 Tx slots		23.93	23.91	23.51	25.00	17.93	17.91	17.51	18.00
EDGE 3 Tx slots		22.01	22.23	21.98	23.20	17.75	17.97	17.72	18.94
EDGE 4 Tx slots		20.76	20.68	20.53	22.00	17.76	17.87	17.53	19.00
DTM Multi-slot class 5	GSM 1 Tx slot	29.08	29.27	29.39	30.50	23.08	23.26	23.34	24.48
	GPRS 1 Tx slot	29.12	29.30	29.33	30.50				
DTM Multi-slot class 9	GSM 1 Tx slot	29.00	29.33	29.41	30.50	23.00	23.24	23.34	24.48
	GPRS 1 Tx slot	29.05	29.19	29.32	30.50				
DTM Multi-slot class 11	GSM 1 Tx slot	27.26	27.48	27.69	28.70	23.04	23.25	23.41	24.44
	GPRS 2 Tx slots	27.32	27.52	27.66	28.70				
DTM Multi-slot class 5	GSM 1 Tx slot	28.10	28.27	28.45	30.50	21.16	21.31	21.36	22.55
	EDGE 1 Tx slot	23.65	23.75	23.28	25.00				
DTM Multi-slot class 9	GSM 1 Tx slot	28.10	29.33	29.46	30.50	21.18	21.37	21.36	22.55
	EDGE 1 Tx slot	23.74	23.78	23.26	25.00				
DTM Multi-slot class 11	GSM 1 Tx slot	27.27	27.48	27.65	28.70	20.17	20.41	20.42	21.61
	EDGE 2 Tx slots	21.75	22.04	21.76	23.20				

GSM1900_Ant 2		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	601	810	Limit	512	601	810	Limit
Frequency (MHz)		1852.2	1890	1909.8	(dBm)	1852.2	1890	1909.8	(dBm)
GSM 1 Tx slot		29.83	29.45	29.87	30.50	20.63	20.45	20.87	21.50
GPRS 1 Tx slot		29.74	29.44	29.76	30.50	20.74	20.44	20.76	21.50
GPRS 2 Tx slots		26.50	26.68	26.55	27.50	20.50	20.88	20.55	21.50
GPRS 3 Tx slots		24.83	24.67	24.77	25.70	20.57	20.41	20.51	21.44
GPRS 4 Tx slots		23.06	23.09	23.07	24.50	20.06	20.09	20.07	21.50
EDGE 1 Tx slot		26.48	26.28	26.55	27.00	17.48	17.28	17.55	18.00
EDGE 2 Tx slots		23.36	23.38	23.28	24.00	17.36	17.38	17.28	18.00
EDGE 3 Tx slots		21.50	21.63	21.42	22.20	17.24	17.37	17.16	17.94
EDGE 4 Tx slots		20.14	20.02	20.01	21.00	17.14	17.02	17.01	18.00
DTM Multi-slot class 5	GSM 1 Tx slot	26.20	26.40	26.25	27.50	20.23	20.40	20.22	21.44
	GPRS 1 Tx slot	26.30	26.45	26.24	27.50				
DTM Multi-slot class 9	GSM 1 Tx slot	26.33	26.42	26.35	27.50	20.30	20.46	20.30	21.48
	GPRS 1 Tx slot	26.31	26.55	26.30	27.50				
DTM Multi-slot class 11	GSM 1 Tx slot	24.58	24.45	24.58	25.70	20.34	20.26	20.29	21.44
	GPRS 2 Tx slots	24.61	24.55	24.54	25.70				
DTM Multi-slot class 5	GSM 1 Tx slot	26.34	26.51	26.26	27.50	18.99	19.12	18.95	20.07
	EDGE 1 Tx slot	23.09	23.12	23.13	24.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.32	26.44	26.36	27.50	19.00	19.09	19.01	20.07
	EDGE 1 Tx slot	23.16	23.19	23.10	24.00				
DTM Multi-slot class 11	GSM 1 Tx slot	24.61	24.41	24.49	25.70	18.44	18.40	18.36	19.44
	EDGE 2 Tx slots	21.28	21.43	21.25	22.20				

Band	WCDMA IV_Ant 2	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
		9622	9400	9538	Limit	9622	9400	9538	Limit
TX Channel		1852.2	1890	1907.6	(dBm)	1852.2	1890	1907.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	21.28	21.33	21.10	22.00	18.81	18.66	18.70	17.50
3GPP Rel 99	RM-12.2Kbps	21.31	21.35	21.17	22.00	18.87	18.91	18.77	17.50
3GPP Rel 6	HSDPA Subtest-1	20.22	20.09	20.17	21.00	16.06	16.04	15.92	16.50
3GPP Rel 6	HSDPA Subtest-2	20.19	20.11	20.26	21.00	16.06	16.07	15.87	16.50
3GPP Rel 6	HSDPA Subtest-3	19.61	19.60	19.68	20.50	15.56	15.60	15.44	16.00
3GPP Rel 6	HSDPA Subtest-4	19.63	19.61	19.67	20.50	15.52	15.57	15.46	16.00
3GPP Rel 6	DC-HSDPA Subtest-1	19.56	19.62	19.65	21.00	16.01	15.99	15.86	16.50
3GPP Rel 6	DC-HSDPA Subtest-2	18.60	18.62	19.58	21.00	16.00	15.97	15.79	16.50
3GPP Rel 6	DC-HSDPA Subtest-3	19.07	19.04	19.11	20.50	15.52	15.56	15.35	16.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.07	19.14	19.04	20.50	15.43	15.53	15.43	16.00
3GPP Rel 6	HSUPA Subtest-1	20.27	20.26	20.22	21.00	16.01	15.99	15.86	16.50
3GPP Rel 6	HSUPA Subtest-2	18.23	18.27	18.16	19.00	13.82	13.82	13.84	14.50
3GPP Rel 6	HSUPA Subtest-3	19.20	19.22	19.19	20.00	14.91	14.95	14.79	15.50
3GPP Rel 6	HSUPA Subtest-4	18.15	18.30	18.15	19.00	13.77	13.88	13.88	14.50
3GPP Rel 6	HSUPA Subtest-5	20.19	20.28	20.27	21.00	15.96	15.93	15.85	16.50

Band	WCDMA V_Ant 0	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
		4132	4182	4233	Limit	4132	4182	4233	Limit
TX Channel		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
3GPP Rel 99	AMR 12.2Kbps	24.16	24.17	24.13	25.00	20.23	20.24	20.20	21.00
3GPP Rel 99	RM-12.2Kbps	24.16	24.19	24.18	25.00	20.25	20.26	20.21	21.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.11	23.05	24.00	19.17	19.08	19.05	20.00
3GPP Rel 6	HSDPA Subtest-2	23.15	23.12	23.05	24.00	19.15	19.15	19.02	20.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.63	22.56	23.50	18.69	18.67	18.60	19.50
3GPP Rel 6	HSDPA Subtest-4	22.68	22.60	22.55	23.50	18.63	18.62	18.51	19.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.90	22.93	22.91	24.00	18.73	18.78	18.71	20.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.89	22.92	22.90	24.00	18.72	18.74	18.68	20.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.38	22.41	22.40	23.50	18.19	18.26	18.18	19.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.35	22.39	22.38	23.50	18.12	18.20	18.20	19.50
3GPP Rel 6	HSUPA Subtest-1	23.08	23.09	23.10	24.00	19.14	19.10	19.04	20.00
3GPP Rel 6	HSUPA Subtest-2	21.15	21.07	21.01	22.00	17.07	17.14	16.96	18.00
3GPP Rel 6	HSUPA Subtest-3	22.05	22.11	22.03	23.00	18.15	18.10	18.04	19.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.04	21.01	22.00	17.07	17.10	17.03	18.00
3GPP Rel 6	HSUPA Subtest-5	23.10	23.10	23.00	24.00	19.04	19.19	19.06	20.00

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		29.10	29.32	29.30	30.00	20.10	20.32	20.30	21.00
GPRS 1 Tx slot		29.09	29.30	29.29	30.00	20.09	20.30	20.29	21.00
GPRS 2 Tx slots		26.11	26.25	26.18	27.00	20.11	20.25	20.18	21.00
GPRS 3 Tx slots		24.23	24.27	24.26	25.00	19.97	20.01	20.00	20.94
GPRS 4 Tx slots		23.18	23.48	23.10	24.00	20.18	20.18	20.48	21.00
EDGE 1 Tx slot		26.72	26.86	26.53	27.50	17.72	17.69	17.53	18.50
EDGE 2 Tx slots		23.73	23.88	23.66	25.00	17.73	17.78	17.66	19.00
EDGE 3 Tx slots		21.97	22.04	21.84	23.20	17.71	17.78	17.58	18.94
EDGE 4 Tx slots		20.61	20.65	20.53	22.00	17.61	17.65	17.53	19.00
DTM Multi-slot class 5	GSM 1 Tx slot	25.48	25.42	25.49	27.00	19.40	19.42	19.47	20.98
	GPRS 1 Tx slot	25.37	25.47	25.50	27.00				
DTM Multi-slot class 9	GSM 1 Tx slot	25.40	25.34	25.57	27.00	19.38	19.34	19.52	20.98
	GPRS 1 Tx slot	25.41	25.39	25.52	27.00				
DTM Multi-slot class 11	GSM 1 Tx slot	23.70	23.78	23.74	25.20	19.45	19.47	19.45	20.94
	GPRS 2 Tx slots	23.70	23.78	23.74	25.20				
DTM Multi-slot class 5	GSM 1 Tx slot	25.34	25.38	25.48	27.00	18.53	18.62	18.60	20.09
	EDGE 1 Tx slot	23.69	23.75	23.55	25.00				
DTM Multi-slot class 9	GSM 1 Tx slot	25.30	25.44	25.48	27.00	18.47	18.62	18.65	20.09
	EDGE 1 Tx slot	23.50	23.65	23.43	25.00				



Band 2_Ant 2									
RY (MHz)	Modulation	RS (KHz)	RB (KHz)	PLN Low Ch./Freq.	PLN High Ch./Freq.	PLN Mid Ch./Freq.	PLN High Ch./Freq.	Turn-up (sec)	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.35	20.50	20.67			
20	QPSK	1	48	20.79	20.94	21.11		22	0
20	QPSK	1	96	21.23	21.38	21.55			
20	QPSK	50	0	21.84	21.99	22.16			
20	QPSK	50	24	21.92	22.07	22.24		22	0
20	QPSK	50	48	22.00	22.15	22.32			
20	QPSK	100	0	22.67	22.82	22.99			
20	HEMAM	1	0	23.83	23.98	24.15		22	0
20	HEMAM	1	48	24.27	24.42	24.57			
20	HEMAM	1	96	24.71	24.86	25.01			
20	HEMAM	50	0	25.82	25.97	26.14		22	0
20	HEMAM	50	24	25.90	26.05	26.20			
20	HEMAM	50	48	26.08	26.23	26.38			
20	HEMAM	100	0	26.87	27.02	27.17			
20	HEMAM	100	24	26.95	27.10	27.25			
20	HEMAM	100	48	27.13	27.28	27.43			
20	HEMAM	100	72	27.31	27.46	27.61			
20	HEMAM	100	96	27.49	27.64	27.79			
20	HEMAM	100	120	27.67	27.82	27.97			
20	HEMAM	100	144	27.85	28.00	28.15			
20	HEMAM	100	168	28.03	28.18	28.33			
20	HEMAM	100	192	28.21	28.36	28.51			
20	HEMAM	100	216	28.39	28.54	28.69			
20	HEMAM	100	240	28.57	28.72	28.87			
20	HEMAM	100	264	28.75	28.90	29.05			
20	HEMAM	100	288	28.93	29.08	29.23			
20	HEMAM	100	312	29.11	29.26	29.41			
20	HEMAM	100	336	29.29	29.44	29.59			
20	HEMAM	100	360	29.47	29.62	29.77			
20	HEMAM	100	384	29.65	29.80	29.95			
20	HEMAM	100	408	29.83	29.98	30.13			
20	HEMAM	100	432	30.01	30.16	30.31			
20	HEMAM	100	456	30.19	30.34	30.49			
20	HEMAM	100	480	30.37	30.52	30.67			
20	HEMAM	100	504	30.55	30.70	30.85			
20	HEMAM	100	528	30.73	30.88	31.03			
20	HEMAM	100	552	30.91	31.06	31.21			
20	HEMAM	100	576	31.09	31.24	31.39			
20	HEMAM	100	600	31.27	31.42	31.57			
20	HEMAM	100	624	31.45	31.60	31.75			
20	HEMAM	100	648	31.63	31.78	31.93			
20	HEMAM	100	672	31.81	31.96	32.11			
20	HEMAM	100	696	31.99	32.14	32.29			
20	HEMAM	100	720	32.17	32.32	32.47			
20	HEMAM	100	744	32.35	32.50	32.65			
20	HEMAM	100	768	32.53	32.68	32.83			
20	HEMAM	100	792	32.71	32.86	33.01			
20	HEMAM	100	816	32.89	33.04	33.19			
20	HEMAM	100	840	33.07	33.22	33.37			
20	HEMAM	100	864	33.25	33.40	33.55			
20	HEMAM	100	888	33.43	33.58	33.73			
20	HEMAM	100	912	33.61	33.76	33.91			
20	HEMAM	100	936	33.79	33.94	34.09			
20	HEMAM	100	960	33.97	34.12	34.27			
20	HEMAM	100	984	34.15	34.30	34.45			
20	HEMAM	100	1008	34.33	34.48	34.63			
20	HEMAM	100	1032	34.51	34.66	34.81			
20	HEMAM	100	1056	34.69	34.84	34.99			
20	HEMAM	100	1080	34.87	35.02	35.17			
20	HEMAM	100	1104	35.05	35.20	35.35			
20	HEMAM	100	1128	35.23	35.38	35.53			
20	HEMAM	100	1152	35.41	35.56	35.71			
20	HEMAM	100	1176	35.59	35.74	35.89			
20	HEMAM	100	1200	35.77	35.92	36.07			
20	HEMAM	100	1224	35.95	36.10	36.25			
20	HEMAM	100	1248	36.13	36.28	36.43			
20	HEMAM	100	1272	36.31	36.46	36.61			
20	HEMAM	100	1296	36.49	36.64	36.79			
20	HEMAM	100	1320	36.67	36.82	36.97			
20	HEMAM	100	1344	36.85	37.00	37.15			
20	HEMAM	100	1368	37.03	37.18	37.33			
20	HEMAM	100	1392	37.21	37.36	37.51			
20	HEMAM	100	1416	37.39	37.54	37.69			
20	HEMAM	100	1440	37.57	37.72	37.87			
20	HEMAM	100	1464	37.75	37.90	38.05			
20	HEMAM	100	1488	37.93	38.08	38.23			
20	HEMAM	100	1512	38.11	38.26	38.41			
20	HEMAM	100	1536	38.29	38.44	38.59			
20	HEMAM	100	1560	38.47	38.62	38.77			
20	HEMAM	100	1584	38.65	38.80	38.95			
20	HEMAM	100	1608	38.83	38.98	39.13			
20	HEMAM	100	1632	39.01	39.16	39.31			
20	HEMAM	100	1656	39.19	39.34	39.49			
20	HEMAM	100	1680	39.37	39.52	39.67			
20	HEMAM	100	1704	39.55	39.70	39.85			
20	HEMAM	100	1728	39.73	39.88	40.03			
20	HEMAM	100	1752	39.91	40.06	40.21			
20	HEMAM	100	1776	40.09	40.24	40.39			
20	HEMAM	100	1800	40.27	40.42	40.57			
20	HEMAM	100	1824	40.45	40.60	40.75			
20	HEMAM	100	1848	40.63	40.78	40.93			
20	HEMAM	100	1872	40.81	40.96	41.11			
20	HEMAM	100	1896	40.99	41.14	41.29			
20	HEMAM	100	1920	41.17	41.32	41.47			
20	HEMAM	100	1944	41.35	41.50	41.65			
20	HEMAM	100	1968	41.53	41.68	41.83			
20	HEMAM	100	1992	41.71	41.86	42.01			
20	HEMAM	100	2016	41.89	42.04	42.19			
20	HEMAM	100	2040	42.07	42.22	42.37			
20	HEMAM	100	2064	42.25	42.40	42.55			
20	HEMAM	100	2088	42.43	42.58	42.73			
20	HEMAM	100	2112	42.61	42.76	42.91			
20	HEMAM	100	2136	42.79	42.94	43.09			
20	HEMAM	100	2160	42.97	43.12	43.27			
20	HEMAM	100	2184	43.15	43.30	43.45			
20	HEMAM	100	2208	43.33	43.48	43.63			
20	HEMAM	100	2232	43.51	43.66	43.81			
20	HEMAM	100	2256	43.69	43.84	43.99			
20	HEMAM	100	2280	43.87	44.02	44.17			
20	HEMAM	100	2304	44.05	44.20	44.35			
20	HEMAM	100	2328	44.23	44.38	44.53			
20	HEMAM	100	2352	44.41	44.56	44.71			
20	HEMAM	100	2376	44.59	44.74	44.89			
20	HEMAM	100	2400	44.77	44.92	45.07			
20	HEMAM	100	2424	44.95	45.10	45.25			
20	HEMAM	100	2448	45.13	45.28	45.43			
20	HEMAM	100	2472	45.31	45.46	45.61			
20	HEMAM	100	2496	45.49	45.64	45.79			
20	HEMAM	100	2520	45.67	45.82	45.97			
20	HEMAM	100	2544	45.85	46.00	46.15			
20	HEMAM	100	2568	46.03	46.18	46.33			
20	HEMAM	100	2592	46.21	46.36	46.51			
20	HEMAM	100	2616	46.39	46.54	46.69			
20	HEMAM	100	2640	46.57	46.72	46.87			
20	HEMAM	100	2664	46.75	46.90	47.05			
20	HEMAM	100	2688	46.93	47.08	47.23			
20	HEMAM	100	2712	47.11	47.26	47.41			
20	HEMAM	100	2736	47.29	47.44	47.59			
20	HEMAM	100	2760	47.47	47.62	47.77			
20	HEMAM	100	2784	47.65	47.80	47.95			
20	HEMAM	100	2808	47.83	47.98	48.13			
20	HEMAM	100	2832	48.01	48.16	48.31			
20	HEMAM	100	2856	48.19	48.34	48.49			
20	HEMAM	100	2880	48.37	48.52	48.67			
20									



Band 25 Ant 2													
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turnup (min)	MFR (dB)					
Channel									20190	20190	20190		
Frequency (MHz)									1600	1610	1620		
20	QPSK	1	0	20.08	20.03	20.03	22	0					
20	QPSK	1	80	20.80	20.85	20.71							
20	QPSK	36	0	20.08	20.03	20.03							
20	QPSK	36	80	20.80	20.85	20.71							
20	QPSK	50	0	20.08	20.03	20.03							
20	QPSK	50	80	20.80	20.85	20.71							
20	QPSK	100	0	20.07	20.02	20.04							
20	QPSK	100	80	20.84	20.82	20.78							
20	QPSK	150	0	20.08	20.03	20.03							
20	QPSK	150	80	20.84	20.82	20.71							
20	QPSK	200	0	20.08	20.03	20.03							
20	QPSK	200	80	20.84	20.82	20.71							
20	QPSK	250	0	20.08	20.03	20.03							
20	QPSK	250	80	20.84	20.82	20.71							
20	QPSK	300	0	20.08	20.03	20.03							
20	QPSK	300	80	20.84	20.82	20.71							
20	QPSK	350	0	20.08	20.03	20.03							
20	QPSK	350	80	20.84	20.82	20.71							
20	QPSK	400	0	20.08	20.03	20.03							
20	QPSK	400	80	20.84	20.82	20.71							
20	QPSK	450	0	20.08	20.03	20.03							
20	QPSK	450	80	20.84	20.82	20.71							
20	QPSK	500	0	20.08	20.03	20.03							
20	QPSK	500	80	20.84	20.82	20.71							
20	QPSK	550	0	20.08	20.03	20.03							
20	QPSK	550	80	20.84	20.82	20.71							
20	QPSK	600	0	20.08	20.03	20.03							
20	QPSK	600	80	20.84	20.82	20.71							
20	QPSK	650	0	20.08	20.03	20.03							
20	QPSK	650	80	20.84	20.82	20.71							
20	QPSK	700	0	20.08	20.03	20.03							
20	QPSK	700	80	20.84	20.82	20.71							
20	QPSK	750	0	20.08	20.03	20.03							
20	QPSK	750	80	20.84	20.82	20.71							
20	QPSK	800	0	20.08	20.03	20.03							
20	QPSK	800	80	20.84	20.82	20.71							
20	QPSK	850	0	20.08	20.03	20.03							
20	QPSK	850	80	20.84	20.82	20.71							
20	QPSK	900	0	20.08	20.03	20.03							
20	QPSK	900	80	20.84	20.82	20.71							
20	QPSK	950	0	20.08	20.03	20.03							
20	QPSK	950	80	20.84	20.82	20.71							
20	QPSK	1000	0	20.08	20.03	20.03							
20	QPSK	1000	80	20.84	20.82	20.71							
20	QPSK	1050	0	20.08	20.03	20.03							
20	QPSK	1050	80	20.84	20.82	20.71							
20	QPSK	1100	0	20.08	20.03	20.03							
20	QPSK	1100	80	20.84	20.82	20.71							
20	QPSK	1150	0	20.08	20.03	20.03							
20	QPSK	1150	80	20.84	20.82	20.71							
20	QPSK	1200	0	20.08	20.03	20.03							
20	QPSK	1200	80	20.84	20.82	20.71							
20	QPSK	1250	0	20.08	20.03	20.03							
20	QPSK	1250	80	20.84	20.82	20.71							
20	QPSK	1300	0	20.08	20.03	20.03							
20	QPSK	1300	80	20.84	20.82	20.71							
20	QPSK	1350	0	20.08	20.03	20.03							
20	QPSK	1350	80	20.84	20.82	20.71							
20	QPSK	1400	0	20.08	20.03	20.03							
20	QPSK	1400	80	20.84	20.82	20.71							
20	QPSK	1450	0	20.08	20.03	20.03							
20	QPSK	1450	80	20.84	20.82	20.71							
20	QPSK	1500	0	20.08	20.03	20.03							
20	QPSK	1500	80	20.84	20.82	20.71							
20	QPSK	1550	0	20.08	20.03	20.03							
20	QPSK	1550	80	20.84	20.82	20.71							
20	QPSK	1600	0	20.08	20.03	20.03							
20	QPSK	1600	80	20.84	20.82	20.71							
20	QPSK	1650	0	20.08	20.03	20.03							
20	QPSK	1650	80	20.84	20.82	20.71							
20	QPSK	1700	0	20.08	20.03	20.03							
20	QPSK	1700	80	20.84	20.82	20.71							
20	QPSK	1750	0	20.08	20.03	20.03							
20	QPSK	1750	80	20.84	20.82	20.71							
20	QPSK	1800	0	20.08	20.03	20.03							
20	QPSK	1800	80	20.84	20.82	20.71							
20	QPSK	1850	0	20.08	20.03	20.03							
20	QPSK	1850	80	20.84	20.82	20.71							
20	QPSK	1900	0	20.08	20.03	20.03							
20	QPSK	1900	80	20.84	20.82	20.71							
20	QPSK	1950	0	20.08	20.03	20.03							
20	QPSK	1950	80	20.84	20.82	20.71							
20	QPSK	2000	0	20.08	20.03	20.03							
20	QPSK	2000	80	20.84	20.82	20.71							
20	QPSK	2050	0	20.08	20.03	20.03							
20	QPSK	2050	80	20.84	20.82	20.71							
20	QPSK	2100	0	20.08	20.03	20.03							
20	QPSK	2100	80	20.84	20.82	20.71							
20	QPSK	2150	0	20.08	20.03	20.03							
20	QPSK	2150	80	20.84	20.82	20.71							
20	QPSK	2200	0	20.08	20.03	20.03							
20	QPSK	2200	80	20.84	20.82	20.71							
20	QPSK	2250	0	20.08	20.03	20.03							
20	QPSK	2250	80	20.84	20.82	20.71							
20	QPSK	2300	0	20.08	20.03	20.03							
20	QPSK	2300	80	20.84	20.82	20.71							
20	QPSK	2350	0	20.08	20.03	20.03							
20	QPSK	2350	80	20.84	20.82	20.71							
20	QPSK	2400	0	20.08	20.03	20.03							
20	QPSK	2400	80	20.84	20.82	20.71							
20	QPSK	2450	0	20.08	20.03	20.03							
20	QPSK	2450	80	20.84	20.82	20.71							
20	QPSK	2500	0	20.08	20.03	20.03							
20	QPSK	2500	80	20.84	20.82	20.71							
20	QPSK	2550	0	20.08	20.03	20.03							
20	QPSK	2550	80	20.84	20.82	20.71							
20	QPSK	2600	0	20.08	20.03	20.03							
20	QPSK	2600	80	20.84	20.82	20.71							
20	QPSK	2650	0	20.08	20.03	20.03							
20	QPSK	2650	80	20.84	20.82	20.71							
20	QPSK	2700	0	20.08	20.03	20.03							
20	QPSK	2700	80	20.84	20.82	20.71							
20	QPSK	2750	0	20.08	20.03	20.03							
20	QPSK	2750	80	20.84	20.82	20.71							
20	QPSK	2800	0	20.08	20.03	20.03							
20	QPSK	2800	80	20.84	20.82	20.71							
20	QPSK	2850	0	20.08	20.03	20.03							
20	QPSK	2850	80	20.84	20.82	20.71							
20	QPSK	2900	0	20.08	20.03	20.03							
20	QPSK	2900	80	20.84	20.82	20.71							
20	QPSK	2950	0	20.08	20.03	20.03							
20	QPSK	2950	80	20.84	20.82	20.71							
20	QPSK	3000	0	20.08	20.03	20.03							
20	QPSK	3000	80	20.84	20.82	20.71							
20	QPSK	3050	0	20.08	20.03	20.03							
20	QPSK	3050	80	20.84	20.82	20.71							
20	QPSK	3100	0	20.08	20.03	20.03							
20	QPSK	3100	80	20.84	20.82	20.71							
20	QPSK	3150	0	20.08	20.03	20.03							
20	QPSK	3150	80	20.84	20.82	20.71							
20	QPSK	3200	0	20.08	20.03	20.03		</					



Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turnup (min)	MFR (dB)		
Channel										
Frequency (MHz)				26750	26750	26750	611.5			
15	QPSK	1	0	19.01	19.05	19.05	21	0		
15	QPSK	1	37	19.38	19.81	19.86				
15	QPSK	1	49	19.38	19.81	19.86				
15	QPSK	25	0	19.08	19.00	19.08				
15	QPSK	25	12	19.02	19.96	19.92	21	0		
15	QPSK	25	25	19.08	19.00	19.08				
15	QPSK	75	0	19.05	19.05	19.05				
15	HQAM	1	0	19.36	20.02	19.96	21	0		
15	HQAM	1	37	19.02	20.01	20.01				
15	HQAM	1	74	19.07	19.95	20.00				
15	HQAM	25	0	19.36	20.03	19.96	21	0		
15	HQAM	25	12	19.02	19.98	19.93				
15	HQAM	25	25	19.36	19.99	19.93				
15	HQAM	75	0	19.30	20.01	19.93				
15	HQAM	1	37	19.07	19.97	20.01	21	0		
15	HQAM	1	74	19.30	20.02	20.02				
15	HQAM	25	0	19.37	20.00	19.96	21	0		
15	HQAM	25	12	19.02	19.99	19.93				
15	HQAM	25	25	19.34	19.95	19.93				
15	256QAM	1	0	18.36	18.42	18.36	19.5	1.5		
15	256QAM	1	37	18.38	18.44	18.38				
15	256QAM	1	74	18.45	18.41	18.41				
15	256QAM	25	0	18.42	18.42	18.37	19.5	1.5		
15	256QAM	25	12	18.40	18.44	18.41				
15	256QAM	25	25	18.40	18.43	18.31				
Channel										
Frequency (MHz)				26750	26750	26750	Turnup (min)	MFR (dB)		
15	QPSK	1	0	19.09	19.04	19.96	21	0		
15	QPSK	1	25	19.38	20.02	19.96				
15	QPSK	25	0	19.08	19.96	19.96				
15	QPSK	25	12	19.04	20.00	20.00	21	0		
15	QPSK	25	25	19.05	19.97	19.93				
15	QPSK	50	0	20.00	19.95	19.91				
15	HQAM	1	0	19.36	20.02	19.93	21	0		
15	HQAM	1	37	19.04	20.00	20.00				
15	HQAM	1	74	19.34	20.03	19.95				
15	HQAM	25	0	19.30	19.98	19.94	21	0		
15	HQAM	25	12	19.02	19.97	19.93				
15	HQAM	25	25	20.00	20.00	19.92				
15	HQAM	50	0	19.37	20.01	19.95				
15	HQAM	1	37	19.05	19.95	19.91	21	0		
15	HQAM	1	74	19.30	19.97	20.02				
15	HQAM	25	0	20.00	20.04	19.92	21	0		
15	HQAM	25	12	19.36	20.00	19.92				
15	256QAM	1	0	18.43	18.38	18.38	19.5	1.5		
15	256QAM	1	37	18.44	18.40	18.38				
15	256QAM	1	74	18.39	18.43	18.38				
15	256QAM	25	0	18.37	18.46	18.37	19.5	1.5		
15	256QAM	25	12	18.44	18.38	18.38				
15	256QAM	25	25	18.43	18.35	18.32				
15	256QAM	50	0	18.42	18.44	18.42				
Channel										
Frequency (MHz)				26750	26750	26750	Turnup (min)	MFR (dB)		
5	QPSK	1	0	19.02	19.95	20.00	21	0		
5	QPSK	1	12	19.07	19.98	19.92				
5	QPSK	12	0	19.06	20.03	19.98				
5	QPSK	12	7	19.07	19.98	19.92	21	0		
5	QPSK	12	7	19.36	19.99	19.97				
5	QPSK	12	13	20.00	19.91	19.88				
5	QPSK	25	0	19.03	19.98	19.92				
5	HQAM	1	0	19.31	20.04	19.92	21	0		
5	HQAM	1	24	19.04	20.00	19.92				
5	HQAM	12	0	19.32	19.98	19.94				
5	HQAM	12	7	20.00	19.96	19.92	21	0		
5	HQAM	12	13	19.07	19.98	19.92				
5	HQAM	25	0	19.30	20.00	19.92				
5	HQAM	25	12	19.37	20.01	20.01				
5	HQAM	25	25	19.37	20.02	20.01				
5	HQAM	1	24	19.36	20.04	19.92	21	0		
5	HQAM	12	7	19.33	19.97	19.92				
5	HQAM	12	13	19.33	19.97	19.92				
5	HQAM	25	0	19.30	19.98	20.00	21	0		
5	HQAM	25	12	19.33	19.98	20.00				
5	256QAM	1	0	18.43	18.38	18.38	19.5	1.5		
5	256QAM	1	12	18.44	18.38	18.32				
5	256QAM	1	24	18.45	18.40	18.38				
5	256QAM	12	0	18.42	18.45	18.38	19.5	1.5		
5	256QAM	12	7	18.44	18.40	18.38				
5	256QAM	12	13	18.43	18.42	18.42				
5	256QAM	25	0	18.44	18.42	18.31				
Channel										
Frequency (MHz)				26750	26750	26750	Turnup (min)	MFR (dB)		
3	QPSK	1	0	19.03	20.02	19.96	21	0		
3	QPSK	1	8	19.35	20.02	20.01				
3	QPSK	8	0	19.07	19.97	19.96				
3	QPSK	8	4	19.39	19.99	19.97	21	0		
3	QPSK	8	15	19.03	20.01	19.93				
3	QPSK	15	0	19.03	20.01	19.93				
3	HQAM	1	0	20.00	20.02	19.96	21	0		
3	HQAM	1	8	19.36	19.98	19.92				
3	HQAM	1	14	20.00	20.00	19.92				
3	HQAM	8	0	19.31	20.00	19.97	21	0		
3	HQAM	8	4	19.39	20.04	19.95				
3	HQAM	8	7	19.37	20.00	19.97				
3	HQAM	15	0	19.36	19.98	19.92				
3	HQAM	1	8	19.36	19.97	19.92	21	0		
3	HQAM	1	14	19.33	19.99	20.01				
3	HQAM	8	0	19.30	19.95	19.92	21	0		
3	HQAM	8	4	19.38	19.98	19.92				
3	256QAM	1	0	18.43	18.38	18.38	19.5	1.5		
3	256QAM	1	8	18.44	18.38	18.38				
3	256QAM	1	14	18.41	18.47	18.38				
3	256QAM	8	0	18.45	18.38	18.37	19.5	1.5		
3	256QAM	8	7	18.45	18.40	18.40				
3	256QAM	15	0	18.43	18.46	18.31				
Channel										
Frequency (MHz)				26750	26750	26750	Turnup (min)	MFR (dB)		
1.4	QPSK	1	0	19.07	19.95	19.92	21	0		
1.4	QPSK	1	3	19.30	19.99	19.97				
1.4	QPSK	3	0	19.04	20.01	19.92				
1.4	QPSK	3	1	19.07	19.95	20.00				
1.4	QPSK	3	3	19.06	19.99	19.92				
1.4	QPSK	6	0	19.38	19.95	19.92	21	0		
1.4	HQAM	1	0	19.33	20.02	20.02				
1.4	HQAM	1	3	19.03	19.96	19.91				
1.4	HQAM	1	6	19.34	19.98	19.93	21	0		
1.4	HQAM	3	0	19.34	20.04	19.92				
1.4	HQAM	3	1	19.02	19.98	20.00				
1.4	HQAM	3	3	19.38	19.98	19.98	21	0		
1.4	HQAM	1	3	19.38	20.01	19.98				
1.4	HQAM	1	6	19.30	20.02	19.92	21	0		
1.4	HQAM	3	0	19.30	19.98	19.92				
1.4	HQAM	3	1	19.35	19.97	19.92				
1.4	HQAM	3	3	19.36	19.99	19.91	21	0		
1.4	256QAM	1	0	18.38	18.47	18.39	19.5	1.5		
1.4	256QAM	1	3	18.43	18.38	18.38				
1.4	256QAM	1	6	18.37	18.40	18.34				
1.4	256QAM	3	0	18.44	18.43	18.30				
1.4	256QAM	3	1	18.38	18.38	18.41				
1.4	256QAM	3	3	18.42	18.47	18.31				
1.4	256QAM	6	0	18.35	18.45	18.42	19.5	1.5		

Band 30_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turnup (min)	MFR		



Band 71_Ant 0										
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch. (Freq)	Power High Ch. (Freq)	Power High Ch. (Freq)	Time-use (min)	MPR (dB)		
Channel										
				133222	133257	133372				
Frequency (MHz)										
20	QPSK	1	0	22.73	22.85	22.77	24.5	0		
20	QPSK	1	48	22.87	22.78	22.77				
20	QPSK	1	48	22.72	22.76	22.82				
20	QPSK	50	0	22.48	22.52	22.51				
20	QPSK	50	24	22.45	22.52	22.50				
20	QPSK	50	48	22.45	22.52	22.50				
20	QPSK	100	0	22.42	22.48	22.38				
20	HQAM	1	0	22.71	22.78	22.68	23.5	1		
20	HQAM	24	0	22.48	22.52	22.50				
20	HQAM	1	48	22.74	22.77	22.74				
20	HQAM	50	0	21.50	21.55	21.49				
20	HQAM	50	24	21.48	21.53	21.49				
20	HQAM	50	50	21.44	21.54	21.51				
20	HQAM	100	0	21.49	21.58	21.47				
20	HQAM	1	48	21.85	21.77	21.86				
20	HQAM	1	48	21.82	21.88	21.85				
20	HQAM	1	96	21.58	21.68	21.62				
20	HQAM	50	0	20.38	20.39	20.34				
20	HQAM	50	24	20.35	20.37	20.48				
20	HQAM	50	50	20.49	20.34	20.47				
20	HQAM	100	0	20.39	20.45	20.38				
20	SSQAM	1	0	18.46	18.53	18.45				
20	SSQAM	1	48	18.43	18.48	18.43				
20	SSQAM	1	48	18.44	18.48	18.48				
20	SSQAM	50	0	18.62	18.66	18.61				
20	SSQAM	50	24	18.42	18.45	18.39				
20	SSQAM	50	50	18.46	18.45	18.39				
20	SSQAM	100	0	18.37	18.45	18.44				
Channel										
				133119	133257	133397				
Frequency (MHz)										
15	QPSK	1	0	23.70	23.78	23.72	24.5	0		
15	QPSK	1	37	23.58	23.72	23.66				
15	QPSK	1	48	23.45	23.46	23.45				
15	QPSK	36	0	22.44	22.52	22.48				
15	QPSK	36	20	22.42	22.41	22.47				
15	QPSK	36	48	22.38	22.43	22.38				
15	QPSK	72	0	22.38	22.44	22.38				
15	HQAM	1	0	22.65	22.72	22.58	23.5	1		
15	HQAM	24	0	22.44	22.52	22.47				
15	HQAM	1	74	22.73	22.74	22.69				
15	HQAM	36	0	21.45	21.48	21.43				
15	HQAM	36	20	21.42	21.50	21.48				
15	HQAM	36	36	21.33	21.46	21.43				
15	HQAM	72	0	21.45	21.48	21.44				
15	HQAM	1	48	21.39	21.47	21.39				
15	HQAM	1	37	21.56	21.54	21.58				
15	HQAM	1	74	21.50	21.58	21.50				
15	HQAM	36	20	20.51	20.50	20.42				
15	HQAM	36	20	20.46	20.51	20.45				
15	HQAM	36	36	20.47	20.52	20.42				
15	HQAM	72	0	20.32	20.38	20.42				
15	SSQAM	1	0	18.47	18.45	18.52				
15	SSQAM	1	37	18.41	18.41	18.45				
15	SSQAM	1	48	18.44	18.41	18.43				
15	SSQAM	36	0	18.59	18.64	18.50				
15	SSQAM	36	20	18.41	18.44	18.48				
15	SSQAM	36	36	18.44	18.49	18.50				
15	SSQAM	72	0	18.44	18.43	18.39				
Channel										
				133172	133257	133322				
Frequency (MHz)										
10	QPSK	1	0	23.69	23.74	23.68	24.5	0		
10	QPSK	1	25	23.59	23.74	23.64				
10	QPSK	1	48	22.46	22.46	22.46				
10	QPSK	24	0	22.41	22.52	22.52				
10	QPSK	24	12	22.41	22.51	22.47				
10	QPSK	24	24	22.46	22.38	22.42				
10	QPSK	50	0	22.35	22.39	22.33				
10	HQAM	1	0	22.68	22.67	22.64	23.5	1		
10	HQAM	1	48	22.63	22.67	22.66				
10	HQAM	1	48	22.67	22.71	22.66				
10	HQAM	24	0	21.45	21.43	21.44				
10	HQAM	24	12	21.38	21.53	21.47				
10	HQAM	24	24	21.38	21.45	21.50				
10	HQAM	50	0	21.42	21.44	21.41				
10	HQAM	1	0	21.81	21.60	21.61				
10	HQAM	1	24	21.55	21.66	21.58				
10	HQAM	1	48	21.51	21.59	21.59				
10	HQAM	24	0	20.49	20.54	20.47				
10	HQAM	24	12	20.45	20.51	20.49				
10	HQAM	24	24	20.45	20.48	20.43				
10	HQAM	50	0	20.35	20.43	20.28				
10	SSQAM	1	0	18.49	18.46	18.49				
10	SSQAM	1	24	18.40	18.41	18.42				
10	SSQAM	1	48	18.45	18.47	18.47				
10	SSQAM	24	0	18.62	18.62	18.58				
10	SSQAM	24	12	18.39	18.43	18.40				
10	SSQAM	24	24	18.44	18.49	18.45				
10	SSQAM	50	0	18.39	18.41	18.41				
Channel										
				133147	133257	133347				
Frequency (MHz)										
5	QPSK	1	0	23.68	23.77	23.72	24.5	0		
5	QPSK	1	12	23.69	23.75	23.66				
5	QPSK	1	24	23.68	23.70	23.63				
5	QPSK	12	0	22.46	22.52	22.51				
5	QPSK	12	7	22.38	22.45	22.44				
5	QPSK	12	13	22.37	22.44	22.36				
5	QPSK	24	0	22.34	22.43	22.28				
5	HQAM	1	0	22.65	22.69	22.60	23.5	1		
5	HQAM	1	12	22.69	22.63	22.62				
5	HQAM	1	24	22.67	22.68	22.68				
5	HQAM	12	0	21.46	21.47	21.47				
5	HQAM	12	7	21.43	21.42	21.43				
5	HQAM	12	13	21.34	21.48	21.43				
5	HQAM	24	0	21.41	21.49	21.39				
5	HQAM	1	0	21.87	21.64	21.60				
5	HQAM	1	12	21.56	21.62	21.60				
5	HQAM	1	24	21.47	21.64	21.54				
5	HQAM	12	0	20.30	20.38	20.46				
5	HQAM	12	7	20.47	20.45	20.46				
5	HQAM	12	13	20.41	20.48	20.39				
5	HQAM	24	0	20.32	20.41	20.28				
5	SSQAM	1	0	18.50	18.45	18.49				
5	SSQAM	1	12	18.45	18.58	18.58				
5	SSQAM	1	24	18.46	18.47	18.51				
5	SSQAM	12	0	18.60	18.65	18.59				
5	SSQAM	12	7	18.41	18.39	18.34				
5	SSQAM	12	13	18.46	18.48	18.44				
5	SSQAM	24	0	18.44	18.41	18.42				

Band 71_Ant 1										
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch. (Freq)	Power High Ch. (Freq)	Power High Ch. (Freq)	Time-use (min)	MPR (dB)		
Channel										
				133222	133257	133372				
Frequency (MHz)										
20	QPSK	1	0	21.25	21.28	21.10	22	0		
20	QPSK	1	48	21.17	21.17	21.17				
20	QPSK	1	48	21.32	21.32	21.34				
20	QPSK	50	0	20.50	20.63	20.50				
20	QPSK	50	24	20.60	20.61	20.68				
20	QPSK	50	48	20.47	20.61	20.62				
20	QPSK	100	0	20.60	20.68	20.63				
20	HQAM	1	0	21.20	21.20	21.10	22	0		
20	HQAM	1	48	21.21	21.24	21.08				
20	HQAM	1	56	21.19	21.21	21.07				
20	HQAM	50	0	21.13	21.19	21.06				
20	HQAM	50	24	21.21	21.19	21.03				
20	HQAM	50	50	21.21	21.17	21.05				
20	HQAM	100	0	21.20	21.18	21.14				
20	HQAM	1	48	21.22	21.18	21.04				
20	HQAM	1								



Band 2_Ant 2										
BW (MHz)	Modulation	RS	RS Cyclic	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPR (dB)	Time (min)	LPF (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.35	18.35	18.35				
20	QPSK	1	48	20.79	20.81	20.81	22	0		
20	QPSK	1	96	23.23	23.25	23.25				
20	QPSK	50	0	18.34	18.34	18.34				
20	QPSK	50	24	20.78	20.80	20.80	22	0		
20	QPSK	50	48	23.22	23.24	23.24				
20	QPSK	100	0	18.33	18.33	18.33				
20	QPSK	100	24	20.77	20.79	20.79	22	0		
20	QPSK	100	48	23.21	23.23	23.23				
20	HEMAM	1	0	18.33	18.33	18.33	22	0		
20	HEMAM	1	36	20.71	20.78	20.78				
20	HEMAM	1	72	23.15	23.18	23.18				
20	HEMAM	50	0	18.32	18.32	18.32	22	0		
20	HEMAM	50	24	20.68	20.72	20.72				
20	HEMAM	50	48	23.12	23.15	23.15				
20	HEMAM	100	0	18.31	18.31	18.31	22	0		
20	HEMAM	100	24	20.65	20.68	20.68				
20	HEMAM	100	48	23.09	23.12	23.12				
20	HEMAM	199	0	18.29	18.29	18.29	21.5	0.5		
20	HEMAM	199	24	20.59	20.67	20.67				
20	HEMAM	199	48	23.04	23.07	23.07				
20	HEMAM	398	0	18.28	18.28	18.28	21.5	0.5		
20	HEMAM	398	24	20.58	20.65	20.65				
20	HEMAM	398	48	23.03	23.06	23.06				
20	HEMAM	797	0	18.27	18.27	18.27	19.5	2.5		
20	HEMAM	797	24	20.56	20.62	20.62				
20	HEMAM	797	48	23.01	23.04	23.04				
20	HEMAM	1594	0	18.26	18.26	18.26	19.5	2.5		
20	HEMAM	1594	24	20.54	20.59	20.59				
20	HEMAM	1594	48	22.99	23.01	23.01				
20	HEMAM	3188	0	18.25	18.25	18.25	21.5	0.5		
20	HEMAM	3188	24	20.52	20.57	20.57				
20	HEMAM	3188	48	22.97	23.00	23.00				
20	HEMAM	6376	0	18.24	18.24	18.24	19.5	2.5		
20	HEMAM	6376	24	20.50	20.54	20.54				
20	HEMAM	6376	48	22.95	22.98	22.98				
20	HEMAM	12752	0	18.23	18.23	18.23	19.5	2.5		
20	HEMAM	12752	24	20.48	20.51	20.51				
20	HEMAM	12752	48	22.93	22.96	22.96				
20	HEMAM	25504	0	18.22	18.22	18.22	19.5	2.5		
20	HEMAM	25504	24	20.46	20.49	20.49				
20	HEMAM	25504	48	22.91	22.94	22.94				
20	HEMAM	51008	0	18.21	18.21	18.21	19.5	2.5		
20	HEMAM	51008	24	20.44	20.47	20.47				
20	HEMAM	51008	48	22.89	22.92	22.92				
20	HEMAM	102016	0	18.20	18.20	18.20	19.5	2.5		
20	HEMAM	102016	24	20.42	20.45	20.45				
20	HEMAM	102016	48	22.87	22.90	22.90				
20	HEMAM	204032	0	18.19	18.19	18.19	19.5	2.5		
20	HEMAM	204032	24	20.40	20.43	20.43				
20	HEMAM	204032	48	22.85	22.88	22.88				
20	HEMAM	408064	0	18.18	18.18	18.18	19.5	2.5		
20	HEMAM	408064	24	20.38	20.41	20.41				
20	HEMAM	408064	48	22.83	22.86	22.86				
20	HEMAM	816128	0	18.17	18.17	18.17	19.5	2.5		
20	HEMAM	816128	24	20.36	20.39	20.39				
20	HEMAM	816128	48	22.81	22.84	22.84				
20	HEMAM	1632256	0	18.16	18.16	18.16	19.5	2.5		
20	HEMAM	1632256	24	20.34	20.37	20.37				
20	HEMAM	1632256	48	22.79	22.82	22.82				
20	HEMAM	3264512	0	18.15	18.15	18.15	19.5	2.5		
20	HEMAM	3264512	24	20.32	20.35	20.35				
20	HEMAM	3264512	48	22.77	22.80	22.80				
20	HEMAM	6529024	0	18.14	18.14	18.14	19.5	2.5		
20	HEMAM	6529024	24	20.30	20.33	20.33				
20	HEMAM	6529024	48	22.75	22.78	22.78				
20	HEMAM	13058048	0	18.13	18.13	18.13	19.5	2.5		
20	HEMAM	13058048	24	20.28	20.31	20.31				
20	HEMAM	13058048	48	22.73	22.76	22.76				
20	HEMAM	26116096	0	18.12	18.12	18.12	19.5	2.5		
20	HEMAM	26116096	24	20.26	20.29	20.29				
20	HEMAM	26116096	48	22.71	22.74	22.74				
20	HEMAM	52232192	0	18.11	18.11	18.11	19.5	2.5		
20	HEMAM	52232192	24	20.24	20.27	20.27				
20	HEMAM	52232192	48	22.69	22.72	22.72				
20	HEMAM	104464384	0	18.10	18.10	18.10	19.5	2.5		
20	HEMAM	104464384	24	20.22	20.25	20.25				
20	HEMAM	104464384	48	22.67	22.70	22.70				
20	HEMAM	208928768	0	18.09	18.09	18.09	19.5	2.5		
20	HEMAM	208928768	24	20.20	20.23	20.23				
20	HEMAM	208928768	48	22.65	22.68	22.68				
20	HEMAM	417857536	0	18.08	18.08	18.08	19.5	2.5		
20	HEMAM	417857536	24	20.18	20.21	20.21				
20	HEMAM	417857536	48	22.63	22.66	22.66				
20	HEMAM	835715072	0	18.07	18.07	18.07	19.5	2.5		
20	HEMAM	835715072	24	20.16	20.19	20.19				
20	HEMAM	835715072	48	22.61	22.64	22.64				
20	HEMAM	1671430144	0	18.06	18.06	18.06	19.5	2.5		
20	HEMAM	1671430144	24	20.14	20.17	20.17				
20	HEMAM	1671430144	48	22.59	22.62	22.62				
20	HEMAM	3342860288	0	18.05	18.05	18.05	19.5	2.5		
20	HEMAM	3342860288	24	20.12	20.15	20.15				
20	HEMAM	3342860288	48	22.57	22.60	22.60				
20	HEMAM	6685720576	0	18.04	18.04	18.04	19.5	2.5		
20	HEMAM	6685720576	24	20.10	20.13	20.13				
20	HEMAM	6685720576	48	22.55	22.58	22.58				
20	HEMAM	13371441152	0	18.03	18.03	18.03	19.5	2.5		
20	HEMAM	13371441152	24	20.08	20.11	20.11				
20	HEMAM	13371441152	48	22.53	22.56	22.56				
20	HEMAM	26742882304	0	18.02	18.02	18.02	19.5	2.5		
20	HEMAM	26742882304	24	20.06	20.09	20.09				
20	HEMAM	26742882304	48	22.51	22.54	22.54				
20	HEMAM	53485764608	0	18.01	18.01	18.01	19.5	2.5		
20	HEMAM	53485764608	24	20.04	20.07	20.07				
20	HEMAM	53485764608	48	22.49	22.52	22.52				
20	HEMAM	106971529216	0	18.00	18.00	18.00	19.5	2.5		
20	HEMAM	106971529216	24	20.02	20.05	20.05				
20	HEMAM	106971529216	48	22.47	22.50	22.50				

Band 2_Ant 3										
BW (MHz)	Modulation	RS	RS Cyclic	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	MPR (dB)	Time (min)	LPF (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.12	18.12	18.12				
20	QPSK	1	48	19.56	19.24	18.12	16	0		
20	QPSK	1	96	21.00	20.12	18.12				
20	QPSK	50	0	18.11	18.11	18.11				
20	QPSK	50	24	19.54	19.21	18.11	16	0		
20	QPSK	50	48	20.98	20.07	18.11				
20	QPSK	100	0	18.10	18.10	18.10				
20	QPSK	100	24	19.53	19.20	18.10	16	0		
20	QPSK	100	48	20.97	20.06	18.10				
20	HEMAM	1	0	18.09	18.09	18.09	22	0		
20	HEMAM	1	36	19.48	19.23	18.09				
20	HEMAM	1	72	20.92	19.15	18.09				



Band 4_Ant 4										
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)	LF (dB)	LF (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.43	14.43	14.43				
20	QPSK	1	45	14.34	14.38	14.42	15.5	0		
20	QPSK	1	90	14.25	14.30	14.35				
20	QPSK	50	0	14.33	14.48	14.43				
20	QPSK	50	24	14.39	14.42	14.35	15.5	0		
20	QPSK	50	49	14.30	14.35	14.30				
20	QPSK	100	0	14.29	14.40	14.30				
20	16QAM	1	0	14.34	14.37	14.33	15.5	0		
20	16QAM	1	49	14.25	14.40	14.33				
20	16QAM	50	0	14.35	14.40	14.34				
20	16QAM	50	24	14.30	14.34	14.34	15.5	0		
20	16QAM	50	49	14.28	14.34	14.28				
20	16QAM	100	0	14.28	14.34	14.30				
20	16QAM	100	24	14.33	14.44	14.38	15.5	0		
20	16QAM	100	49	14.24	14.40	14.33				
20	16QAM	200	0	14.30	14.40	14.35				
20	16QAM	200	24	14.33	14.44	14.38	15.5	0		
20	16QAM	200	49	14.25	14.40	14.33				
20	16QAM	400	0	14.30	14.44	14.37				
20	16QAM	400	24	14.33	14.44	14.38	15.5	0		
20	16QAM	400	49	14.28	14.40	14.34				
20	16QAM	800	0	14.30	14.40	14.35				
20	16QAM	800	24	14.33	14.44	14.38	15.5	0		
20	16QAM	800	49	14.25	14.40	14.33				
20	16QAM	1600	0	14.30	14.44	14.37				
20	16QAM	1600	24	14.33	14.44	14.38	15.5	0		
20	16QAM	1600	49	14.28	14.40	14.34				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.39	14.41	14.43				
15	QPSK	1	37	14.33	14.38	14.43	15.5	0		
15	QPSK	1	74	14.24	14.41	14.33				
15	QPSK	38	0	14.42	14.40	14.33				
15	QPSK	38	20	14.40	14.39	14.38	15.5	0		
15	QPSK	38	40	14.33	14.41	14.33				
15	QPSK	76	0	14.33	14.34	14.28				
15	16QAM	1	0	14.32	14.41	14.30	15.5	0		
15	16QAM	1	37	14.26	14.40	14.31				
15	16QAM	1	74	14.17	14.40	14.31				
15	16QAM	38	0	14.38	14.39	14.38				
15	16QAM	38	20	14.36	14.38	14.29	15.5	0		
15	16QAM	38	40	14.32	14.41	14.31				
15	16QAM	76	0	14.32	14.41	14.31				
15	16QAM	76	20	14.30	14.39	14.38	15.5	0		
15	16QAM	76	40	14.26	14.40	14.31				
15	16QAM	152	0	14.30	14.40	14.35				
15	16QAM	152	20	14.33	14.44	14.38	15.5	0		
15	16QAM	152	40	14.28	14.40	14.34				
15	16QAM	304	0	14.30	14.44	14.37				
15	16QAM	304	20	14.33	14.44	14.38	15.5	0		
15	16QAM	304	40	14.28	14.40	14.34				
15	16QAM	608	0	14.30	14.44	14.37				
15	16QAM	608	20	14.33	14.44	14.38	15.5	0		
15	16QAM	608	40	14.28	14.40	14.34				
15	16QAM	1216	0	14.30	14.44	14.37				
15	16QAM	1216	20	14.33	14.44	14.38	15.5	0		
15	16QAM	1216	40	14.28	14.40	14.34				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.42	14.40	14.43				
10	QPSK	1	25	14.43	14.38	14.27	15.5	0		
10	QPSK	1	50	14.43	14.40	14.43				
10	QPSK	25	0	14.42	14.44	14.32				
10	QPSK	25	12	14.40	14.32	14.30	15.5	0		
10	QPSK	25	25	14.39	14.32	14.27				
10	QPSK	50	0	14.37	14.32	14.32				
10	16QAM	1	0	14.31	14.31	14.30	15.5	0		
10	16QAM	1	25	14.42	14.34	14.24				
10	16QAM	1	50	14.34	14.40	14.33				
10	16QAM	25	0	14.37	14.40	14.33				
10	16QAM	25	12	14.38	14.37	14.27	15.5	0		
10	16QAM	25	25	14.34	14.37	14.27				
10	16QAM	50	0	14.31	14.38	14.31				
10	16QAM	50	12	14.42	14.40	14.26	15.5	0		
10	16QAM	50	25	14.39	14.38	14.28				
10	16QAM	100	0	14.31	14.38	14.31				
10	16QAM	100	12	14.42	14.40	14.26	15.5	0		
10	16QAM	100	25	14.39	14.38	14.28				
10	16QAM	200	0	14.31	14.38	14.31				
10	16QAM	200	12	14.42	14.40	14.26	15.5	0		
10	16QAM	200	25	14.39	14.38	14.28				
10	16QAM	400	0	14.31	14.38	14.31				
10	16QAM	400	12	14.42	14.40	14.26	15.5	0		
10	16QAM	400	25	14.39	14.38	14.28				
10	16QAM	800	0	14.31	14.38	14.31				
10	16QAM	800	12	14.42	14.40	14.26	15.5	0		
10	16QAM	800	25	14.39	14.38	14.28				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.42	14.40	14.43				
5	QPSK	1	12	14.40	14.38	14.29	15.5	0		
5	QPSK	1	24	14.43	14.40	14.43				
5	QPSK	12	0	14.44	14.40	14.40				
5	QPSK	12	7	14.39	14.42	14.30	15.5	0		
5	QPSK	12	14	14.42	14.40	14.32				
5	QPSK	25	0	14.29	14.32	14.23				
5	16QAM	1	0	14.30	14.33	14.27	15.5	0		
5	16QAM	1	12	14.42	14.40	14.24				
5	16QAM	1	24	14.38	14.34	14.28				
5	16QAM	12	0	14.37	14.40	14.33				
5	16QAM	12	7	14.40	14.36	14.29	15.5	0		
5	16QAM	12	14	14.38	14.40	14.33				
5	16QAM	25	0	14.43	14.40	14.32				
5	16QAM	25	7	14.40	14.38	14.28	15.5	0		
5	16QAM	25	14	14.38	14.40	14.33				
5	16QAM	50	0	14.30	14.40	14.31				
5	16QAM	50	7	14.42	14.40	14.24	15.5	0		
5	16QAM	50	14	14.38	14.34	14.28				
5	16QAM	100	0	14.30	14.40	14.31				
5	16QAM	100	7	14.42	14.40	14.24	15.5	0		
5	16QAM	100	14	14.38	14.34	14.28				
5	16QAM	200	0	14.30	14.40	14.31				
5	16QAM	200	7	14.42	14.40	14.24	15.5	0		
5	16QAM	200	14	14.38	14.34	14.28				
5	16QAM	400	0	14.30	14.40	14.31				
5	16QAM	400	7	14.42	14.40	14.24	15.5	0		
5	16QAM	400	14	14.38	14.34	14.28				
5	16QAM	800	0	14.30	14.40	14.31				
5	16QAM	800	7	14.42	14.40	14.24	15.5	0		
5	16QAM	800	14	14.38	14.34	14.28				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.43	14.43	14.43				
1.4	QPSK	1	3	14.35	14.35	14.32	15.5	0		
1.4	QPSK	1	6	14.36	14.42	14.35				
1.4	QPSK	3	0	14.40	14.41	14.38				
1.4	QPSK	3	4	14.35	14.36	14.33	15.5	0		
1.4	QPSK	3	8	14.37	14.42	14.35				
1.4	QPSK	6	0	14.28	14.32	14.23				
1.4	16QAM	1	0	14.28	14.34	14.25	15.5	0		
1.4	16QAM	1	3	14.42	14.35	14.28				
1.4	16QAM	1	6	14.35	14.38	14.28				
1.4	16QAM	3	0	14.30	14.38	14.28				
1.4	16QAM	3	4							



Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (F/Hz)	Power Med. Ch. (F/Hz)	Power High Ch. (F/Hz)	Turn-up time (sec)	MPR (dB)	UEI (dB)	
Channel: 20950, 21100, 21350										
Frequency (MHz)										
20	QPSK	1	0	15.35	15.37	15.43				
20	QPSK	1	48	15.44	15.46	15.41	21.5	0		
20	QPSK	30	0	15.35	15.37	15.43				
20	QPSK	30	24	15.32	15.33	15.31	21.5	0		
20	QPSK	30	50	15.35	15.34	15.35				
20	QPSK	100	0	15.35	15.48	15.41				
20	TDMA	1	0	15.47	15.70	15.63	21.5	0		
20	TDMA	1	48	15.38	15.20	15.25				
20	TDMA	1	96	15.34	15.38	15.40				
20	TDMA	50	0	15.46	15.53	15.58				
20	TDMA	50	24	15.32	15.33	15.31	21.5	0		
20	TDMA	50	50	15.35	15.34	15.35				
20	TDMA	100	0	15.27	15.43	15.17				
20	TDMA	100	24	15.29	15.29	15.26				
20	TDMA	100	50	15.27	15.31	15.34				
20	TDMA	100	75	15.28	15.45	15.17				
20	TDMA	100	100	15.17	15.29	15.13				
20	TDMA	100	125	15.20	15.30	15.30				
20	TDMA	100	150	15.27	15.32	15.24				
20	TDMA	100	175	15.26	15.51	15.24				
20	TDMA	100	200	15.37	15.30	15.24				
20	TDMA	100	225	15.37	15.33	15.27				
20	TDMA	100	250	15.32	15.33	15.27				
20	TDMA	100	275	15.33	15.33	15.32				
20	TDMA	100	300	15.30	15.31	15.34				
20	TDMA	100	325	15.25	15.49	15.14				
20	TDMA	100	350	15.26	15.37	15.19				
20	TDMA	100	375	15.27	15.33	15.27				
20	TDMA	100	400	15.27	15.32	15.24				
20	TDMA	100	425	15.26	15.51	15.19				
20	TDMA	100	450	15.34	15.41	15.19				
20	TDMA	100	475	15.20	15.37	15.19				
20	TDMA	100	500	15.27	15.32	15.24				
20	TDMA	100	525	15.26	15.43	15.17				
20	TDMA	100	550	15.17	15.29	15.13				
20	TDMA	100	575	15.20	15.30	15.30				
20	TDMA	100	600	15.27	15.32	15.24				
20	TDMA	100	625	15.26	15.45	15.17				
20	TDMA	100	650	15.37	15.30	15.24				
20	TDMA	100	675	15.37	15.33	15.27				
20	TDMA	100	700	15.32	15.33	15.27				
20	TDMA	100	725	15.33	15.33	15.32				
20	TDMA	100	750	15.30	15.31	15.34				
20	TDMA	100	775	15.25	15.49	15.14				
20	TDMA	100	800	15.26	15.37	15.19				
20	TDMA	100	825	15.27	15.33	15.27				
20	TDMA	100	850	15.27	15.32	15.24				
20	TDMA	100	875	15.26	15.51	15.19				
20	TDMA	100	900	15.34	15.41	15.19				
20	TDMA	100	925	15.20	15.37	15.19				
20	TDMA	100	950	15.27	15.32	15.24				
20	TDMA	100	975	15.26	15.43	15.17				
20	TDMA	100	1000	15.17	15.29	15.13				
20	TDMA	100	1025	15.20	15.30	15.30				
20	TDMA	100	1050	15.27	15.32	15.24				
20	TDMA	100	1075	15.26	15.45	15.17				
20	TDMA	100	1100	15.37	15.30	15.24				
20	TDMA	100	1125	15.37	15.33	15.27				
20	TDMA	100	1150	15.32	15.33	15.27				
20	TDMA	100	1175	15.33	15.33	15.32				
20	TDMA	100	1200	15.30	15.31	15.34				
20	TDMA	100	1225	15.25	15.49	15.14				
20	TDMA	100	1250	15.26	15.37	15.19				
20	TDMA	100	1275	15.27	15.33	15.27				
20	TDMA	100	1300	15.27	15.32	15.24				
20	TDMA	100	1325	15.26	15.51	15.19				
20	TDMA	100	1350	15.34	15.41	15.19				
20	TDMA	100	1375	15.20	15.37	15.19				
20	TDMA	100	1400	15.27	15.32	15.24				
20	TDMA	100	1425	15.26	15.43	15.17				
20	TDMA	100	1450	15.17	15.29	15.13				
20	TDMA	100	1475	15.20	15.30	15.30				
20	TDMA	100	1500	15.27	15.32	15.24				
20	TDMA	100	1525	15.26	15.45	15.17				
20	TDMA	100	1550	15.37	15.30	15.24				
20	TDMA	100	1575	15.37	15.33	15.27				
20	TDMA	100	1600	15.32	15.33	15.27				
20	TDMA	100	1625	15.33	15.33	15.32				
20	TDMA	100	1650	15.30	15.31	15.34				
20	TDMA	100	1675	15.25	15.49	15.14				
20	TDMA	100	1700	15.26	15.37	15.19				
20	TDMA	100	1725	15.27	15.33	15.27				
20	TDMA	100	1750	15.27	15.32	15.24				
20	TDMA	100	1775	15.26	15.51	15.19				
20	TDMA	100	1800	15.34	15.41	15.19				
20	TDMA	100	1825	15.20	15.37	15.19				
20	TDMA	100	1850	15.27	15.32	15.24				
20	TDMA	100	1875	15.26	15.43	15.17				
20	TDMA	100	1900	15.17	15.29	15.13				
20	TDMA	100	1925	15.20	15.30	15.30				
20	TDMA	100	1950	15.27	15.32	15.24				
20	TDMA	100	1975	15.26	15.45	15.17				
20	TDMA	100	2000	15.37	15.30	15.24				
20	TDMA	100	2025	15.37	15.33	15.27				
20	TDMA	100	2050	15.32	15.33	15.27				
20	TDMA	100	2075	15.33	15.33	15.32				
20	TDMA	100	2100	15.30	15.31	15.34				
20	TDMA	100	2125	15.25	15.49	15.14				
20	TDMA	100	2150	15.26	15.37	15.19				
20	TDMA	100	2175	15.27	15.33	15.27				
20	TDMA	100	2200	15.27	15.32	15.24				
20	TDMA	100	2225	15.26	15.51	15.19				
20	TDMA	100	2250	15.34	15.41	15.19				
20	TDMA	100	2275	15.20	15.37	15.19				
20	TDMA	100	2300	15.27	15.32	15.24				
20	TDMA	100	2325	15.26	15.43	15.17				
20	TDMA	100	2350	15.17	15.29	15.13				
20	TDMA	100	2375	15.20	15.30	15.30				
20	TDMA	100	2400	15.27	15.32	15.24				
20	TDMA	100	2425	15.26	15.45	15.17				
20	TDMA	100	2450	15.37	15.30	15.24				
20	TDMA	100	2475	15.37	15.33	15.27				
20	TDMA	100	2500	15.32	15.33	15.27				
20	TDMA	100	2525	15.33	15.33	15.32				
20	TDMA	100	2550	15.30	15.31	15.34				
20	TDMA	100	2575	15.25	15.49	15.14				
20	TDMA	100	2600	15.26	15.37	15.19				
20	TDMA	100	2625	15.27	15.33	15.27				
20	TDMA	100	2650	15.27	15.32	15.24				
20	TDMA	100	2675	15.26	15.51	15.19				
20	TDMA	100	2700	15.34	15.41	15.19				
20	TDMA	100	2725	15.20	15.37	15.19				
20	TDMA	100	2750	15.27	15.32	15.24				
20	TDMA	100	2775	15.26	15.43	15.17				
20	TDMA	100	2800	15.17	15.29	15.13				
20	TDMA	100	2825	15.20	15.30	15.30				
20	TDMA	100	2850	15.27	15.32	15.24				
20	TDMA	100	2875	15.26	15.45	15.17				



Band 25 Ant 2										
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turnup (min)	MFR (dB)		
Channel										
Frequency (MHz)										
				26140	26144	26148				
20	QPSK	1	0	20.08	20.03	20.03				
20	QPSK	1	40	20.80	20.85	20.71			22	0
20	QPSK	3	0	20.08	20.03	20.03				
20	QPSK	3	40	20.80	20.85	20.71				
20	QPSK	50	0	20.08	20.03	20.03				
20	QPSK	50	40	20.76	20.84	20.68			22	0
20	QPSK	50	80	20.08	20.03	20.03				
20	QPSK	100	0	20.77	20.82	20.64				
20	QPSK	1	0	20.04	20.02	20.76				
20	QPSK	1	40	20.08	20.03	20.68			22	0
20	QPSK	1	80	20.00	20.04	20.81				
20	QPSK	50	0	20.04	20.02	20.71				
20	QPSK	50	40	20.00	20.72	20.85				
20	QPSK	50	80	20.73	20.80	20.68			22	0
20	QPSK	100	0	20.68	20.74	20.61				
20	QPSK	1	0	20.00	20.04	20.70				
20	QPSK	1	40	20.76	20.84	20.61			22	0
20	QPSK	1	80	20.00	20.80	20.60				
20	QPSK	50	0	20.04	20.00	20.70				
20	QPSK	50	40	20.00	20.80	20.60				
20	QPSK	50	80	20.76	20.81	20.43			21.5	0.5
20	QPSK	100	0	20.04	20.02	20.41				
20	QPSK	1	0	18.40	18.34	18.34				
20	QPSK	1	40	18.36	18.36	18.36			19.5	2.5
20	QPSK	1	80	18.36	18.36	18.36				
20	QPSK	50	0	18.31	18.31	18.34				
20	QPSK	50	40	18.37	18.33	18.40			19.5	2.5
20	QPSK	50	80	18.30	18.30	18.30				
20	QPSK	100	0	18.33	18.34	18.20				
Channel										
Frequency (MHz)										
				26170	26174	26178				
15	QPSK	1	0	20.69	20.94	20.72				
15	QPSK	1	40	20.88	20.84	20.63			22	0
15	QPSK	36	0	20.81	20.83	20.68				
15	QPSK	36	40	20.71	20.80	20.65			22	0
15	QPSK	75	0	20.78	20.78	20.60				
15	QPSK	75	40	20.68	20.71	20.60				
15	QPSK	1	0	20.80	20.83	20.65				
15	QPSK	1	40	20.83	20.82	20.65			22	0
15	QPSK	1	80	20.83	20.82	20.65				
15	QPSK	36	0	20.80	20.81	20.63				
15	QPSK	36	40	20.80	20.72	20.65				
15	QPSK	36	80	20.62	20.78	20.68			22	0
15	QPSK	75	0	20.58	20.72	20.53				
15	QPSK	75	40	20.80	20.87	20.68				
15	QPSK	75	80	20.74	20.81	20.50			22	0
15	QPSK	1	0	20.82	20.77	20.53				
15	QPSK	1	40	20.84	20.80	20.37				
15	QPSK	36	0	20.57	20.43	20.37			21.5	0.5
15	QPSK	36	40	20.47	20.49	20.41				
15	QPSK	36	80	20.33	20.27	20.40				
15	QPSK	75	0	18.31	18.30	18.20				
15	QPSK	1	0	18.30	18.28	18.21			19.5	2.5
15	QPSK	1	40	18.30	18.28	18.21				
15	QPSK	36	0	18.30	18.24	18.21				
15	QPSK	36	40	18.30	18.24	18.21			19.5	2.5
15	QPSK	36	80	18.30	18.24	18.21				
15	QPSK	75	0	18.32	18.27	18.24				
Channel										
Frequency (MHz)										
				26190	26194	26198				
10	QPSK	1	0	20.69	21.00	20.72				
10	QPSK	1	40	20.87	20.86	20.68			22	0
10	QPSK	26	0	20.81	20.80	20.60				
10	QPSK	26	40	20.67	20.74	20.58			22	0
10	QPSK	50	0	20.83	20.83	20.63				
10	QPSK	50	40	20.60	20.80	20.53				
10	QPSK	1	0	20.80	20.81	20.60				
10	QPSK	1	40	20.78	20.82	20.60			22	0
10	QPSK	1	80	20.85	20.85	20.58				
10	QPSK	26	0	20.83	20.84	20.62				
10	QPSK	26	40	20.68	20.84	20.60				
10	QPSK	26	80	20.83	20.78	20.60			22	0
10	QPSK	50	0	20.81	20.88	20.64				
10	QPSK	50	40	20.84	20.83	20.64				
10	QPSK	50	80	20.76	20.83	20.50			22	0
10	QPSK	1	0	20.79	20.73	20.54				
10	QPSK	1	40	20.84	20.88	20.30				
10	QPSK	26	0	20.54	20.42	20.37			21.5	0.5
10	QPSK	26	40	20.46	20.49	20.34				
10	QPSK	26	80	20.30	20.34	20.31				
10	QPSK	50	0	18.32	18.30	18.20				
10	QPSK	1	0	18.30	18.30	18.20			19.5	2.5
10	QPSK	1	40	18.30	18.24	18.21				
10	QPSK	26	0	18.30	18.24	18.21				
10	QPSK	26	40	18.30	18.24	18.21			19.5	2.5
10	QPSK	26	80	18.30	18.24	18.21				
10	QPSK	50	0	18.32	18.27	18.24				
Channel										
Frequency (MHz)										
				26210	26214	26218				
5	QPSK	1	0	20.66	20.96	20.74				
5	QPSK	1	40	20.86	20.85	20.68			22	0
5	QPSK	12	0	20.81	20.81	20.64				
5	QPSK	12	40	20.72	20.82	20.60			22	0
5	QPSK	25	0	20.78	20.78	20.60				
5	QPSK	25	40	20.63	20.81	20.61				
5	QPSK	1	0	20.83	20.84	20.72				
5	QPSK	1	40	20.87	20.87	20.61			22	0
5	QPSK	1	80	20.83	20.83	20.50				
5	QPSK	12	0	20.80	20.81	20.61				
5	QPSK	12	40	20.62	20.68	20.44				
5	QPSK	12	80	20.87	20.68	20.60			22	0
5	QPSK	25	0	20.87	20.80	20.64				
5	QPSK	25	40	20.81	20.80	20.61				
5	QPSK	25	80	20.70	20.74	20.51			22	0
5	QPSK	1	0	20.79	20.68	20.57				
5	QPSK	1	40	20.86	20.80	20.30				
5	QPSK	12	0	20.57	20.46	20.32			21.5	0.5
5	QPSK	12	40	20.52	20.42	20.41				
5	QPSK	12	80	20.47	20.30	20.36				
5	QPSK	25	0	18.32	18.30	18.27				
5	QPSK	1	0	18.30	18.24	18.21			19.5	2.5
5	QPSK	1	40	18.28	18.24	18.21				
5	QPSK	12	0	18.23	18.19	18.20				
5	QPSK	12	40	18.29	18.24	18.21			19.5	2.5
5	QPSK	12	80	18.21	18.20	18.20				
5	QPSK	25	0	18.21	18.23	18.20				
Channel										
Frequency (MHz)										
				26230	26234	26238				
3	QPSK	1	0	20.68	20.96	20.74				
3	QPSK	1	40	20.81	20.80	20.60			22	0
3	QPSK	8	0	20.83	20.82	20.58				
3	QPSK	8	40	20.75	20.81	20.56			22	0
3	QPSK	15	0	20.78	20.78	20.60				
3	QPSK	15	40	20.65	20.77	20.58				
3	QPSK	1	0	20.87	20.80	20.72				
3	QPSK	1	40	20.88	20.81	20.61			22	0
3	QPSK	1	80	20.88	20.88	20.50				
3	QPSK	8	0	20.82	20.82	20.62				
3	QPSK	8	40	20.67	20.87	20.57				
3	QPSK	15	0	20.85	20.72	20.57			22	0
3	QPSK	1	0	20.83	20.72	20.50				
3	QPSK	1	40	20.80	20.88	20.60				
3	QPSK	8	0	20.84	20.79	20.50			22	0
3	QPSK	8	40	20.63	20.74	20.50				
3	QPSK	15	0	20.57	20.26	20.36			21.5	0.5
3	QPSK	15	40	20.50	20.49	20.44				
3	QPSK	15	80	20.37	20.26	20.36				
3	QPSK	1	0	18.30	18.30	18.20				
3	QPSK	1	40	18.29	18.24	18.21			19.5	2.5
3	QPSK	8	0	18.29	18.20	18.20				
3	QPSK	8	40	18.34	18.24	18.21				
3	QPSK	8	80	18.29	18.20	18.20			19.5	2.5
3	QPSK	15	0	18.31	18.33	18.20				
Channel										
Frequency (MHz)										
				26250	26254	26258				
1.4	QPSK	1	0	20.04	20.95	20.77				
1.4	QPSK	1	40	20.85	20.84	20.60			22	0
1.4	QPSK	3	0	20.84	20.80	20.71				
1.4	QPSK	3	40	20.84	20.80	20.68				
1.4	QPSK	3	80	20.77	20.75	20.60			22	0
1.4	QPSK	15	0	20.72	20.70	20.60				
1.4	QPSK	15	40	20.65	20.79	20.60			22	0
1.4	QPSK	1	0	20.87	20.80	20.72				
1.4										



Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turnup (min)	MFR (dB)		
Channel										
26700										
Frequency (MHz)										
15	QPSK	1	0	17.78	17.80	17.77	19	0		
15	QPSK	1	37	17.89	17.77	17.87				
15	QPSK	1	49	17.86	17.82	17.88				
15	QPSK	25	0	17.74	17.75	17.73				
15	QPSK	25	12	17.80	17.72	17.88	19	0		
15	QPSK	25	25	17.83	17.78	17.85				
15	QPSK	25	0	17.52	17.60	17.58				
15	HOQAM	1	0	17.75	17.74	17.68	19	0		
15	HOQAM	1	37	17.81	17.74	17.81				
15	HOQAM	1	49	17.84	17.68	17.58				
15	HOQAM	25	0	17.72	17.74	17.62				
15	HOQAM	25	12	17.80	17.70	17.58	19	0		
15	HOQAM	25	25	17.70	17.52	17.58				
15	HOQAM	50	0	17.41	17.81	17.47				
15	HOQAM	50	1	17.75	17.68	17.71				
15	HOQAM	1	37	17.67	17.67	17.65	19	0		
15	HOQAM	1	74	17.68	17.70	17.67				
15	HOQAM	25	0	17.49	17.69	17.70				
15	HOQAM	25	12	17.52	17.52	17.52	19	0		
15	HOQAM	25	25	17.54	17.61	17.65				
15	HOQAM	25	0	17.46	17.63	17.45				
15	25QAM	1	0	17.75	17.72	17.66	19	0		
15	25QAM	1	37	17.68	17.68	17.64				
15	25QAM	1	49	17.71	17.74	17.61				
15	25QAM	25	0	17.72	17.68	17.72				
15	25QAM	25	12	17.80	17.80	17.47	19	0		
15	25QAM	25	25	17.72	17.73	17.65				
15	25QAM	50	0	17.43	17.88	17.48				
Channel										
26710										
Frequency (MHz)										
15	QPSK	1	0	17.68	17.68	17.70	19	0		
15	QPSK	1	25	17.63	17.72	17.60				
15	QPSK	1	37	17.68	17.73	17.71				
15	QPSK	25	0	17.68	17.73	17.71				
15	QPSK	25	12	17.56	17.68	17.54	19	0		
15	QPSK	25	25	17.61	17.64	17.61				
15	QPSK	50	0	17.40	17.84	17.48				
15	HOQAM	1	0	17.66	17.66	17.66	19	0		
15	HOQAM	1	37	17.61	17.74	17.61				
15	HOQAM	1	49	17.61	17.61	17.54				
15	HOQAM	25	0	17.68	17.71	17.52				
15	HOQAM	25	12	17.60	17.58	17.52	19	0		
15	HOQAM	25	25	17.63	17.48	17.58				
15	HOQAM	50	0	17.30	17.52	17.36				
15	HOQAM	50	1	17.74	17.64	17.64				
15	HOQAM	1	25	17.60	17.68	17.54	19	0		
15	HOQAM	1	60	17.59	17.69	17.62				
15	HOQAM	25	0	17.52	17.60	17.51				
15	HOQAM	25	12	17.57	17.57	17.42	19	0		
15	HOQAM	25	25	17.50	17.58	17.50				
15	HOQAM	50	0	17.74	17.71	17.61				
15	25QAM	1	0	17.61	17.54	17.58	19	0		
15	25QAM	1	37	17.44	17.64	17.51				
15	25QAM	25	0	17.64	17.61	17.61				
15	25QAM	25	12	17.56	17.52	17.44	19	0		
15	25QAM	25	25	17.70	17.52	17.44				
15	25QAM	50	0	17.34	17.50	17.44				
Channel										
26715										
Frequency (MHz)										
5	QPSK	1	0	17.68	17.76	17.72	19	0		
5	QPSK	1	12	17.61	17.71	17.63				
5	QPSK	12	0	17.74	17.68	17.64				
5	QPSK	12	7	17.49	17.62	17.52	19	0		
5	QPSK	12	13	17.66	17.62	17.63				
5	QPSK	25	0	17.46	17.57	17.52				
5	HOQAM	1	0	17.71	17.72	17.62	19	0		
5	HOQAM	1	24	17.66	17.67	17.54				
5	HOQAM	1	24	17.52	17.61	17.51				
5	HOQAM	12	0	17.69	17.62	17.52				
5	HOQAM	12	7	17.57	17.59	17.47	19	0		
5	HOQAM	12	13	17.58	17.44	17.37				
5	HOQAM	25	0	17.30	17.51	17.36				
5	HOQAM	25	0	17.60	17.63	17.50				
5	HOQAM	1	12	17.65	17.58	17.60	19	0		
5	HOQAM	1	24	17.59	17.68	17.54				
5	HOQAM	12	7	17.46	17.58	17.51				
5	HOQAM	12	13	17.58	17.50	17.45	19	0		
5	25QAM	1	0	17.67	17.70	17.60				
5	25QAM	1	12	17.62	17.57	17.54	19	0		
5	25QAM	1	24	17.61	17.54	17.48				
5	25QAM	12	0	17.61	17.67	17.60				
5	25QAM	12	7	17.44	17.52	17.51	19	0		
5	25QAM	12	13	17.60	17.52	17.51				
5	25QAM	25	0	17.38	17.54	17.42				
Channel										
26715										
Frequency (MHz)										
3	QPSK	1	0	17.69	17.72	17.70	19	0		
3	QPSK	1	6	17.64	17.66	17.66				
3	QPSK	8	0	17.71	17.66	17.65				
3	QPSK	8	4	17.55	17.66	17.53	19	0		
3	QPSK	8	14	17.64	17.66	17.61				
3	QPSK	15	0	17.46	17.62	17.52				
3	HOQAM	1	0	17.71	17.68	17.68	19	0		
3	HOQAM	8	0	17.62	17.62	17.62				
3	HOQAM	1	14	17.54	17.68	17.53				
3	HOQAM	8	0	17.70	17.62	17.62	19	0		
3	HOQAM	8	4	17.64	17.66	17.61				
3	HOQAM	8	7	17.69	17.41	17.52				
3	HOQAM	15	0	17.30	17.49	17.36				
3	HOQAM	1	0	17.60	17.62	17.62	19	0		
3	HOQAM	1	8	17.55	17.62	17.57				
3	HOQAM	1	14	17.57	17.60	17.66				
3	HOQAM	8	0	17.63	17.65	17.61				
3	HOQAM	8	4	17.51	17.60	17.42	19	0		
3	HOQAM	8	7	17.61	17.59	17.56				
3	HOQAM	15	0	17.39	17.60	17.50				
3	25QAM	1	0	17.64	17.63	17.54	19	0		
3	25QAM	1	6	17.58	17.54	17.56				
3	25QAM	1	14	17.65	17.54	17.51				
3	25QAM	8	0	17.63	17.59	17.52	19	0		
3	25QAM	8	7	17.60	17.48	17.48				
3	25QAM	8	7	17.70	17.51	17.48				
3	25QAM	15	0	17.41	17.50	17.30				
Channel										
26715										
Frequency (MHz)										
1.4	QPSK	1	0	17.68	17.77	17.61	19	0		
1.4	QPSK	1	3	17.69	17.70	17.60				
1.4	QPSK	3	0	17.66	17.62	17.61				
1.4	QPSK	3	1	17.63	17.68	17.62				
1.4	QPSK	3	1	17.52	17.62	17.54	19	0		
1.4	QPSK	6	0	17.72	17.58	17.62				
1.4	QPSK	6	0	17.47	17.58	17.46	19	0		
1.4	HOQAM	1	0	17.69	17.70	17.52				
1.4	HOQAM	1	3	17.68	17.68	17.61				
1.4	HOQAM	1	6	17.59	17.61	17.53	19	0		
1.4	HOQAM	3	0	17.60	17.72	17.56				
1.4	HOQAM	3	1	17.51	17.58	17.45				
1.4	HOQAM	3	3	17.69	17.42	17.54				
1.4	HOQAM	6	0	17.32	17.51	17.42	19	0		
1.4	HOQAM	1	0	17.71	17.62	17.59				
1.4	HOQAM	1	3	17.64	17.58	17.58				
1.4	HOQAM	1	6	17.63	17.61	17.56	19	0		
1.4	HOQAM	3	0	17.59	17.60	17.60				
1.4	HOQAM	3	1	17.51	17.53	17.50				
1.4	HOQAM	3	3	17.57	17.59	17.54	19	0		
1.4										



Band 66_Ant 2											
BW (MHz)	Modulation	RS	RS Cyclic	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)	Turn-off time (sec)	MPR (dB)	Turn-off time (sec)
Channel: 15207, 15212, 15217											
Frequency (MHz)											
20	QPSK	1	0	22.02	22.07	22.09					
20	QPSK	1	48	22.09	22.08	22.43	23.5	0			
20	QPSK	1	48	22.09	22.08	22.43	23.5	0			
20	QPSK	50	0	22.01	22.01	22.43					
20	QPSK	50	24	22.02	22.03	22.53	23.5	0			
20	QPSK	50	24	22.02	22.03	22.53	23.5	0			
20	QPSK	100	0	22.38	22.07	22.44					
20	HEGAM	1	0	22.02	22.09	22.51	23.5	0			
20	HEGAM	1	48	22.02	22.09	22.49	23.5	0			
20	HEGAM	50	0	21.47	21.60	21.48					
20	HEGAM	50	24	21.46	21.67	21.30	22.5	1			
20	HEGAM	50	24	21.46	21.67	21.30	22.5	1			
20	HEGAM	100	0	21.62	21.60	21.40					
20	HEGAM	100	48	21.65	21.77	21.84	22.5	1			
20	HEGAM	100	48	21.65	21.77	21.84	22.5	1			
20	HEGAM	100	99	21.65	21.74	21.67					
20	HEGAM	100	99	21.65	21.74	21.67					
20	HEGAM	50	0	20.97	20.95	20.74					
20	HEGAM	50	24	20.97	20.95	20.74	21.5	2			
20	HEGAM	50	24	20.97	20.95	20.74	21.5	2			
20	HEGAM	100	0	18.57	18.50	18.50					
20	HEGAM	100	48	18.50	18.54	18.50	19.5	4			
20	HEGAM	100	48	18.50	18.54	18.50	19.5	4			
20	HEGAM	50	0	18.43	18.50	18.40					
20	HEGAM	50	24	18.48	18.56	18.40	19.5	4			
20	HEGAM	50	24	18.48	18.56	18.40	19.5	4			
20	HEGAM	100	0	18.42	18.48	18.42					
20	HEGAM	100	48	18.48	18.48	18.42	19.5	4			
Channel: 15217, 15222, 15227											
Frequency (MHz)											
15	QPSK	1	0	22.00	22.04	22.04					
15	QPSK	1	37	22.06	22.08	22.58	23.5	0			
15	QPSK	1	48	22.06	22.08	22.58	23.5	0			
15	QPSK	36	0	22.02	22.09	22.48					
15	QPSK	36	20	22.07	22.09	22.50	23.5	0			
15	QPSK	36	20	22.07	22.09	22.50	23.5	0			
15	QPSK	74	0	22.30	22.38	22.43					
15	QPSK	74	0	22.40	22.51	22.45					
15	HEGAM	37	0	22.06	22.06	22.30	23.5	0			
15	HEGAM	1	24	22.31	22.39	22.48					
15	HEGAM	36	0	21.43	21.61	21.41					
15	HEGAM	36	24	21.42	21.68	21.40	22.5	1			
15	HEGAM	36	24	21.42	21.68	21.40	22.5	1			
15	HEGAM	75	0	21.53	21.61	21.40					
15	HEGAM	75	0	21.58	21.61	21.41					
15	HEGAM	1	37	21.54	21.61	21.38	22.5	1			
15	HEGAM	1	74	21.63	21.66	21.40					
15	HEGAM	1	74	21.63	21.66	21.40					
15	HEGAM	36	20	20.52	20.50	20.68					
15	HEGAM	36	20	20.50	20.50	20.68	21.5	2			
15	HEGAM	36	20	20.50	20.50	20.68	21.5	2			
15	HEGAM	1	0	18.48	18.57	18.49					
15	HEGAM	1	37	18.47	18.42	18.49	19.5	4			
15	HEGAM	1	48	18.48	18.48	18.49	19.5	4			
15	HEGAM	36	0	18.30	18.40	18.30					
15	HEGAM	36	20	18.35	18.48	18.35	19.5	4			
15	HEGAM	36	20	18.35	18.48	18.35	19.5	4			
15	HEGAM	75	0	18.40	18.48	18.48					
Channel: 15222, 15227, 15232											
Frequency (MHz)											
10	QPSK	1	0	22.01	22.01	22.01					
10	QPSK	1	25	22.00	22.02	22.45	23.5	0			
10	QPSK	1	48	22.01	22.02	22.45	23.5	0			
10	QPSK	36	0	22.01	22.08	22.47					
10	QPSK	36	12	22.04	22.07	22.45	23.5	0			
10	QPSK	36	12	22.04	22.07	22.45	23.5	0			
10	QPSK	74	0	22.30	22.32	22.41					
10	QPSK	74	0	22.38	22.41	22.46					
10	HEGAM	1	0	22.05	22.05	22.30	23.5	0			
10	HEGAM	1	48	22.04	22.09	22.41	23.5	0			
10	HEGAM	25	0	21.39	21.50	21.47					
10	HEGAM	25	12	21.38	21.50	21.47	22.5	1			
10	HEGAM	25	12	21.38	21.50	21.47	22.5	1			
10	HEGAM	75	0	21.51	21.50	21.46					
10	HEGAM	75	0	21.54	21.50	21.46					
10	HEGAM	1	37	21.54	21.50	21.46	22.5	1			
10	HEGAM	1	74	21.63	21.66	21.40					
10	HEGAM	1	74	21.63	21.66	21.40					
10	HEGAM	36	20	20.49	20.50	20.68					
10	HEGAM	36	20	20.49	20.50	20.68	21.5	2			
10	HEGAM	36	20	20.49	20.50	20.68	21.5	2			
10	HEGAM	1	0	18.47	18.50	18.49					
10	HEGAM	1	25	18.48	18.48	18.53	19.5	4			
10	HEGAM	1	48	18.48	18.48	18.53	19.5	4			
10	HEGAM	36	0	18.30	18.40	18.30					
10	HEGAM	36	20	18.35	18.48	18.35	19.5	4			
10	HEGAM	36	20	18.35	18.48	18.35	19.5	4			
10	HEGAM	75	0	18.40	18.48	18.48					
Channel: 15227, 15232, 15237											
Frequency (MHz)											
10	QPSK	1	0	22.01	22.01	22.01					
10	QPSK	1	25	22.00	22.02	22.45	23.5	0			
10	QPSK	1	48	22.01	22.02	22.45	23.5	0			
10	QPSK	36	0	22.01	22.08	22.47					
10	QPSK	36	12	22.04	22.07	22.45	23.5	0			
10	QPSK	36	12	22.04	22.07	22.45	23.5	0			
10	QPSK	74	0	22.30	22.32	22.41					
10	QPSK	74	0	22.38	22.41	22.46					
10	HEGAM	1	0	22.05	22.05	22.30	23.5	0			
10	HEGAM	1	48	22.04	22.09	22.41	23.5	0			
10	HEGAM	25	0	21.39	21.50	21.47					
10	HEGAM	25	12	21.38	21.50	21.47	22.5	1			
10	HEGAM	25	12	21.38	21.50	21.47	22.5	1			
10	HEGAM	75	0	21.51	21.50	21.46					
10	HEGAM	75	0	21.54	21.50	21.46					
10	HEGAM	1	37	21.54	21.50	21.46	22.5	1			
10	HEGAM	1	74	21.63	21.66	21.40					
10	HEGAM	1	74	21.63	21.66	21.40					
10	HEGAM	36	20	20.49	20.50	20.68					
10	HEGAM	36	20	20.49	20.50	20.68	21.5	2			
10	HEGAM	36	20	20.49	20.50	20.68	21.5	2			
10	HEGAM	1	0	18.47	18.50	18.49					
10	HEGAM	1	25	18.48	18.48	18.53	19.5	4			
10	HEGAM	1	48	18.48	18.48	18.53	19.5	4			
10	HEGAM	36	0	18.30	18.40	18.30					
10	HEGAM	36	20	18.35	18.48	18.35	19.5	4			
10	HEGAM	36	20	18.35	18.48	18.35	19.5	4			
10	HEGAM	75	0	18.40	18.48	18.48					
Channel: 15232, 15237, 15242											
Frequency (MHz)											
10	QPSK	1	0	22.01	22.01	22.01					
10	QPSK	1	25	22.00	22.02	22.45	23.5	0			
10	QPSK	1	48	22.01	22.02	22.45	23.5	0			
10	QPSK	36	0	22.01	22.08	22.47					
10	QPSK	36	12	22.04	22.07	22.45	23.5	0			
10	QPS										



Band 71_Ant 0										
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch. (Freq)	Power High Ch. (Freq)	Power High Ch. (Freq)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.73	22.85	22.73	24.5	0		
20	QPSK	1	48	22.87	22.78	22.73				
20	QPSK	1	48	22.72	22.78	22.85				
20	QPSK	50	0	22.46	22.58	22.46				
20	QPSK	50	24	22.45	22.52	22.50				
20	QPSK	50	24	22.45	22.47	22.50				
20	QPSK	100	0	22.42	22.48	22.38				
20	HQAM	1	0	22.71	22.78	22.68	23.5	1		
20	HQAM	1	48	22.70	22.74	22.70				
20	HQAM	1	96	22.74	22.71	22.74				
20	HQAM	50	0	21.50	21.55	21.49				
20	HQAM	50	24	21.48	21.52	21.49				
20	HQAM	50	50	21.44	21.54	21.51				
20	HQAM	100	0	21.49	21.58	21.47				
20	HQAM	100	1	21.45	21.71	21.66				
20	HQAM	1	48	21.52	21.58	21.55				
20	HQAM	1	96	21.58	21.58	21.52				
20	HQAM	50	0	20.38	20.39	20.34				
20	HQAM	50	24	20.35	20.37	20.48				
20	HQAM	50	50	20.49	20.34	20.47				
20	HQAM	100	0	20.39	20.45	20.38				
20	SSBAM	1	0	18.46	18.53	18.45				
20	SSBAM	1	48	18.43	18.48	18.43				
20	SSBAM	1	96	18.44	18.48	18.48				
20	SSBAM	50	0	18.42	18.48	18.41				
20	SSBAM	50	24	18.42	18.48	18.39				
20	SSBAM	50	50	18.46	18.48	18.39				
20	SSBAM	100	0	18.37	18.45	18.44				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.70	23.78	23.72	24.5	0		
15	QPSK	1	37	23.58	23.72	23.66				
15	QPSK	1	48	23.62	23.68	23.62				
15	QPSK	36	0	22.44	22.52	22.48				
15	QPSK	36	20	22.42	22.41	22.47				
15	QPSK	36	20	22.38	22.48	22.38				
15	QPSK	72	0	22.38	22.44	22.38				
15	HQAM	1	0	22.65	22.72	22.58	23.5	1		
15	HQAM	1	48	22.74	22.68	22.68				
15	HQAM	1	74	22.73	22.74	22.69				
15	HQAM	36	0	21.45	21.48	21.43				
15	HQAM	36	20	21.42	21.50	21.45				
15	HQAM	36	36	21.33	21.46	21.43				
15	HQAM	72	0	21.45	21.48	21.44				
15	HQAM	1	48	21.39	21.47	21.39				
15	HQAM	1	37	21.56	21.54	21.58				
15	HQAM	1	74	21.50	21.58	21.50				
15	HQAM	36	20	20.46	20.51	20.45				
15	HQAM	36	36	20.47	20.52	20.42				
15	HQAM	72	0	20.32	20.38	20.32				
15	SSBAM	1	0	18.47	18.45	18.52				
15	SSBAM	1	37	18.41	18.41	18.45				
15	SSBAM	1	74	18.44	18.41	18.43				
15	SSBAM	36	0	18.39	18.34	18.30				
15	SSBAM	36	20	18.41	18.44	18.40				
15	SSBAM	36	36	18.44	18.49	18.35				
15	SSBAM	72	0	18.44	18.43	18.39				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.69	23.74	23.68	24.5	0		
10	QPSK	1	25	23.69	23.74	23.64				
10	QPSK	1	48	23.62	23.68	23.62				
10	QPSK	24	0	22.41	22.52	22.52				
10	QPSK	24	12	22.41	22.51	22.47				
10	QPSK	24	12	22.45	22.38	22.45				
10	QPSK	50	0	22.35	22.39	22.33				
10	HQAM	1	0	22.68	22.67	22.64	23.5	1		
10	HQAM	1	48	22.68	22.67	22.64				
10	HQAM	1	48	22.67	22.71	22.66				
10	HQAM	24	0	21.45	21.43	21.44				
10	HQAM	24	12	21.38	21.53	21.47				
10	HQAM	24	24	21.35	21.45	21.50				
10	HQAM	50	0	21.42	21.44	21.41				
10	HQAM	1	0	21.81	21.65	21.61				
10	HQAM	1	24	21.55	21.66	21.58				
10	HQAM	1	48	21.51	21.59	21.59				
10	HQAM	24	0	20.49	20.54	20.47				
10	HQAM	24	12	20.49	20.51	20.49				
10	HQAM	24	24	20.45	20.48	20.43				
10	HQAM	50	0	20.35	20.43	20.28				
10	SSBAM	1	0	18.49	18.46	18.49				
10	SSBAM	1	24	18.40	18.41	18.42				
10	SSBAM	1	48	18.45	18.47	18.47				
10	SSBAM	24	0	18.42	18.42	18.38				
10	SSBAM	24	12	18.40	18.44	18.40				
10	SSBAM	24	24	18.44	18.49	18.45				
10	SSBAM	50	0	18.39	18.41	18.41				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.68	23.77	23.72	24.5	0		
5	QPSK	1	12	23.68	23.75	23.66				
5	QPSK	1	24	23.68	23.70	23.63				
5	QPSK	12	0	22.46	22.52	22.51				
5	QPSK	12	7	22.38	22.45	22.44				
5	QPSK	12	13	22.37	22.44	22.36				
5	QPSK	24	0	22.34	22.43	22.28				
5	HQAM	1	0	22.65	22.69	22.60	23.5	1		
5	HQAM	1	12	22.68	22.63	22.62				
5	HQAM	1	24	22.67	22.68	22.68				
5	HQAM	12	0	21.46	21.47	21.47				
5	HQAM	12	6	21.43	21.42	21.43				
5	HQAM	12	18	21.34	21.48	21.43				
5	HQAM	24	0	21.41	21.49	21.39				
5	HQAM	1	0	21.87	21.64	21.60				
5	HQAM	1	12	21.56	21.62	21.60				
5	HQAM	1	24	21.47	21.64	21.54				
5	HQAM	12	0	20.30	20.38	20.46				
5	HQAM	12	7	20.47	20.45	20.46				
5	HQAM	12	19	20.41	20.48	20.39				
5	HQAM	24	0	20.32	20.41	20.28				
5	SSBAM	1	0	18.50	18.45	18.49				
5	SSBAM	1	12	18.45	18.47	18.39				
5	SSBAM	1	24	18.46	18.47	18.41				
5	SSBAM	12	0	18.40	18.45	18.39				
5	SSBAM	12	6	18.41	18.39	18.39				
5	SSBAM	12	18	18.46	18.48	18.44				
5	SSBAM	24	0	18.44	18.41	18.42				

Band 71_Ant 1										
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch. (Freq)	Power High Ch. (Freq)	Power High Ch. (Freq)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.23	18.23	18.16	20	0		
20	QPSK	1	48	18.13	18.13	18.13				
20	QPSK	1	48	18.24	18.23	18.13				
20	QPSK	50	0	18.11	18.17	18.16				
20	QPSK	50	24	18.01	18.08	18.08				
20	QPSK	50	24	18.02	18.12	18.03				
20	QPSK	100	0	18.02	18.07	18.05				
20	HQAM	1	0	18.09	18.12	18.08	20	0		
20	HQAM	1	48	18.07	18.07	18.07				
20	HQAM	1	96	18.12	18.07	18.03				
20	HQAM	50	0	18.09	18.16	18.15				
20	HQAM	50	24	18.07	18.07	18.07				
20	HQAM	50	50	18.09	18.11	18.09				
20	HQAM	100	0	18.05	18.09	18.05				
20	HQAM	100	1	18.13	18.14	18.12				
20	HQAM	1	48	18.05	18.08	18.02				
20	HQAM	1	96	18.11	18.12	18.10				



Band 41_Ant 2											
BW (MHz)	Modulation	FS (MHz)	FS Offset	Power (dBm)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Power Spectral Density (dBm/Hz)	Turn-up (dB)	Margin (dB)
Channel											
Frequency (MHz)		3075	4000	4000	4000	4000	4000	4000	4000		
20	QPSK	1	8	21.75	21.75	21.75	21.75	21.75	21.75		
15	QPSK	1	8	23.25	23.25	23.25	23.25	23.25	23.25	24.5	0
10	QPSK	1	8	24.75	24.75	24.75	24.75	24.75	24.75	25.5	1
5	QPSK	1	8	26.25	26.25	26.25	26.25	26.25	26.25	26.5	1
0	QPSK	1	8	27.75	27.75	27.75	27.75	27.75	27.75	27.5	1
5	QPSK	1	8	29.25	29.25	29.25	29.25	29.25	29.25	29.5	1
10	QPSK	1	8	30.75	30.75	30.75	30.75	30.75	30.75	30.5	1
15	QPSK	1	8	32.25	32.25	32.25	32.25	32.25	32.25	32.5	1
20	QPSK	1	8	33.75	33.75	33.75	33.75	33.75	33.75	33.5	1
25	QPSK	1	8	35.25	35.25	35.25	35.25	35.25	35.25	35.5	1
30	QPSK	1	8	36.75	36.75	36.75	36.75	36.75	36.75	36.5	1
35	QPSK	1	8	38.25	38.25	38.25	38.25	38.25	38.25	38.5	1
40	QPSK	1	8	39.75	39.75	39.75	39.75	39.75	39.75	39.5	1
45	QPSK	1	8	41.25	41.25	41.25	41.25	41.25	41.25	41.5	1
50	QPSK	1	8	42.75	42.75	42.75	42.75	42.75	42.75	42.5	1
55	QPSK	1	8	44.25	44.25	44.25	44.25	44.25	44.25	44.5	1
60	QPSK	1	8	45.75	45.75	45.75	45.75	45.75	45.75	45.5	1
65	QPSK	1	8	47.25	47.25	47.25	47.25	47.25	47.25	47.5	1
70	QPSK	1	8	48.75	48.75	48.75	48.75	48.75	48.75	48.5	1
75	QPSK	1	8	50.25	50.25	50.25	50.25	50.25	50.25	50.5	1
80	QPSK	1	8	51.75	51.75	51.75	51.75	51.75	51.75	51.5	1
85	QPSK	1	8	53.25	53.25	53.25	53.25	53.25	53.25	53.5	1
90	QPSK	1	8	54.75	54.75	54.75	54.75	54.75	54.75	54.5	1
95	QPSK	1	8	56.25	56.25	56.25	56.25	56.25	56.25	56.5	1
100	QPSK	1	8	57.75	57.75	57.75	57.75	57.75	57.75	57.5	1
105	QPSK	1	8	59.25	59.25	59.25	59.25	59.25	59.25	59.5	1
110	QPSK	1	8	60.75	60.75	60.75	60.75	60.75	60.75	60.5	1
115	QPSK	1	8	62.25	62.25	62.25	62.25	62.25	62.25	62.5	1
120	QPSK	1	8	63.75	63.75	63.75	63.75	63.75	63.75	63.5	1
125	QPSK	1	8	65.25	65.25	65.25	65.25	65.25	65.25	65.5	1
130	QPSK	1	8	66.75	66.75	66.75	66.75	66.75	66.75	66.5	1
135	QPSK	1	8	68.25	68.25	68.25	68.25	68.25	68.25	68.5	1
140	QPSK	1	8	69.75	69.75	69.75	69.75	69.75	69.75	69.5	1
145	QPSK	1	8	71.25	71.25	71.25	71.25	71.25	71.25	71.5	1
150	QPSK	1	8	72.75	72.75	72.75	72.75	72.75	72.75	72.5	1
155	QPSK	1	8	74.25	74.25	74.25	74.25	74.25	74.25	74.5	1
160	QPSK	1	8	75.75	75.75	75.75	75.75	75.75	75.75	75.5	1
165	QPSK	1	8	77.25	77.25	77.25	77.25	77.25	77.25	77.5	1
170	QPSK	1	8	78.75	78.75	78.75	78.75	78.75	78.75	78.5	1
175	QPSK	1	8	80.25	80.25	80.25	80.25	80.25	80.25	80.5	1
180	QPSK	1	8	81.75	81.75	81.75	81.75	81.75	81.75	81.5	1
185	QPSK	1	8	83.25	83.25	83.25	83.25	83.25	83.25	83.5	1
190	QPSK	1	8	84.75	84.75	84.75	84.75	84.75	84.75	84.5	1
195	QPSK	1	8	86.25	86.25	86.25	86.25	86.25	86.25	86.5	1
200	QPSK	1	8	87.75	87.75	87.75	87.75	87.75	87.75	87.5	1
205	QPSK	1	8	89.25	89.25	89.25	89.25	89.25	89.25	89.5	1
210	QPSK	1	8	90.75	90.75	90.75	90.75	90.75	90.75	90.5	1
215	QPSK	1	8	92.25	92.25	92.25	92.25	92.25	92.25	92.5	1
220	QPSK	1	8	93.75	93.75	93.75	93.75	93.75	93.75	93.5	1
225	QPSK	1	8	95.25	95.25	95.25	95.25	95.25	95.25	95.5	1
230	QPSK	1	8	96.75	96.75	96.75	96.75	96.75	96.75	96.5	1
235	QPSK	1	8	98.25	98.25	98.25	98.25	98.25	98.25	98.5	1
240	QPSK	1	8	99.75	99.75	99.75	99.75	99.75	99.75	99.5	1
245	QPSK	1	8	101.25	101.25	101.25	101.25	101.25	101.25	101.5	1
250	QPSK	1	8	102.75	102.75	102.75	102.75	102.75	102.75	102.5	1
255	QPSK	1	8	104.25	104.25	104.25	104.25	104.25	104.25	104.5	1
260	QPSK	1	8	105.75	105.75	105.75	105.75	105.75	105.75	105.5	1
265	QPSK	1	8	107.25	107.25	107.25	107.25	107.25	107.25	107.5	1
270	QPSK	1	8	108.75	108.75	108.75	108.75	108.75	108.75	108.5	1
275	QPSK	1	8	110.25	110.25	110.25	110.25	110.25	110.25	110.5	1
280	QPSK	1	8	111.75	111.75	111.75	111.75	111.75	111.75	111.5	1
285	QPSK	1	8	113.25	113.25	113.25	113.25	113.25	113.25	113.5	1
290	QPSK	1	8	114.75	114.75	114.75	114.75	114.75	114.75	114.5	1
295	QPSK	1	8	116.25	116.25	116.25	116.25	116.25	116.25	116.5	1
300	QPSK	1	8	117.75	117.75	117.75	117.75	117.75	117.75	117.5	1
305	QPSK	1	8	119.25	119.25	119.25	119.25	119.25	119.25	119.5	1
310	QPSK	1	8	120.75	120.75	120.75	120.75	120.75	120.75	120.5	1
315	QPSK	1	8	122.25	122.25	122.25	122.25	122.25	122.25	122.5	1
320	QPSK	1	8	123.75	123.75	123.75	123.75	123.75	123.75	123.5	1
325	QPSK	1	8	125.25	125.25	125.25	125.25	125.25	125.25	125.5	1
330	QPSK	1	8	126.75	126.75	126.75	126.75	126.75	126.75	126.5	1
335	QPSK	1	8	128.25	128.25	128.25	128.25	128.25	128.25	128.5	1
340	QPSK	1	8	129.75	129.75	129.75	129.75	129.75	129.75	129.5	1
345	QPSK	1	8	131.25	131.25	131.25	131.25	131.25	131.25	131.5	1
350	QPSK	1	8	132.75	132.75	132.75	132.75	132.75	132.75	132.5	1
355	QPSK	1	8	134.25	134.25	134.25	134.25	134.25	134.25	134.5	1
360	QPSK	1	8	135.75	135.75	135.75	135.75	135.75	135.75	135.5	1
365	QPSK	1	8	137.25	137.25	137.25	137.25	137.25	137.25	137.5	1
370	QPSK	1	8	138.75	138.75	138.75	138.75	138.75	138.75	138.5	1
375	QPSK	1	8	140.25	140.25	140.25	140.25	140.25	140.25	140.5	1
380	QPSK	1	8	141.75	141.75	141.75	141.75	141.75	141.75	141.5	1
385	QPSK	1	8	143.25	143.25	143.25	143.25	143.25	143.25	143.5	1
390	QPSK	1	8	144.75	144.75	144.75	144.75	144.75	144.75	144.5	1
395	QPSK	1	8	146.25	146.25	146.25	146.25	146.25	146.25	146.5	1
400	QPSK	1	8	147.75	147.75	147.75	147.75	147.75	147.75	147.5	1
405	QPSK	1	8	149.25	149.25	149.25	149.25	149.25	149.25	149.5	1
410	QPSK	1	8	150.75	150.75	150.75	150.75	150.75	150.75	150.5	1
415	QPSK	1	8	152.25	152.25	152.25	152.25	152.25	152.25	152.5	1
420	QPSK	1	8	153.75	153.75	153.75	153.75	153.75	153.75	153.5	1
425	QPSK	1	8	155.25	155.25	155.25	155.25	155.25	155.25	155.5	1
430	QPSK	1	8	156.75	156.75	156.75	156.75	156.75	156.75	156.5	1
435	QPSK	1	8	158.25	158.25	158.25	158.25	158.25	158.25	158.5	1
440	QPSK	1	8	159.75	159.75	159.75	159.75	159.75	159.75	159.5	1
445	QPSK	1	8	161.25	161.25	161.25	161.25	161.25	161.25	161.5	1
450	QPSK	1	8	162.75	162.75	162.75	162.75	162.75	162.75	162.5	1
455	QPSK	1	8	164.25	164.25	164.25	164.25	164.25	164.25	164.5	1
460	QPSK	1									



Part 96_Band 48_Ant 6													
BW (MHz)	Modulation	RF Chan	RF Band	Power Low (W)	Power High (W)	Power Max (W)	Power Min (W)	Power Max (W)	Power Min (W)	Turn-on (sec)	Turn-off (sec)	Agmt (MHz)	Agmt (MHz)
Channel													
Frequency (MHz)													
20	QPSK	1	8	17.75	17.85	17.95	17.75	17.95	17.75	18.5	0		
20	QPSK	1	8	17.85	17.95	18.05	17.85	18.05	17.85	18.5	0		
20	QPSK	1	8	17.95	18.05	18.15	17.95	18.15	17.95	18.5	0		
20	QPSK	1	8	18.05	18.15	18.25	18.05	18.25	18.05	18.5	0		
20	QPSK	1	8	18.15	18.25	18.35	18.15	18.35	18.15	18.5	0		
20	QPSK	1	8	18.25	18.35	18.45	18.25	18.45	18.25	18.5	0		
20	QPSK	1	8	18.35	18.45	18.55	18.35	18.55	18.35	18.5	0		
20	QPSK	1	8	18.45	18.55	18.65	18.45	18.65	18.45	18.5	0		
20	QPSK	1	8	18.55	18.65	18.75	18.55	18.75	18.55	18.5	0		
20	QPSK	1	8	18.65	18.75	18.85	18.65	18.85	18.65	18.5	0		
20	QPSK	1	8	18.75	18.85	18.95	18.75	18.95	18.75	18.5	0		
20	QPSK	1	8	18.85	18.95	19.05	18.85	19.05	18.85	18.5	0		
20	QPSK	1	8	18.95	19.05	19.15	18.95	19.15	18.95	18.5	0		
20	QPSK	1	8	19.05	19.15	19.25	19.05	19.25	19.05	18.5	0		
20	QPSK	1	8	19.15	19.25	19.35	19.15	19.35	19.15	18.5	0		
20	QPSK	1	8	19.25	19.35	19.45	19.25	19.45	19.25	18.5	0		
20	QPSK	1	8	19.35	19.45	19.55	19.35	19.55	19.35	18.5	0		
20	QPSK	1	8	19.45	19.55	19.65	19.45	19.65	19.45	18.5	0		
20	QPSK	1	8	19.55	19.65	19.75	19.55	19.75	19.55	18.5	0		
20	QPSK	1	8	19.65	19.75	19.85	19.65	19.85	19.65	18.5	0		
20	QPSK	1	8	19.75	19.85	19.95	19.75	19.95	19.75	18.5	0		
20	QPSK	1	8	19.85	19.95	20.05	19.85	20.05	19.85	18.5	0		
20	QPSK	1	8	19.95	20.05	20.15	19.95	20.15	19.95	18.5	0		
20	QPSK	1	8	20.05	20.15	20.25	20.05	20.25	20.05	18.5	0		
20	QPSK	1	8	20.15	20.25	20.35	20.15	20.35	20.15	18.5	0		
20	QPSK	1	8	20.25	20.35	20.45	20.25	20.45	20.25	18.5	0		
20	QPSK	1	8	20.35	20.45	20.55	20.35	20.55	20.35	18.5	0		
20	QPSK	1	8	20.45	20.55	20.65	20.45	20.65	20.45	18.5	0		
20	QPSK	1	8	20.55	20.65	20.75	20.55	20.75	20.55	18.5	0		
20	QPSK	1	8	20.65	20.75	20.85	20.65	20.85	20.65	18.5	0		
20	QPSK	1	8	20.75	20.85	20.95	20.75	20.95	20.75	18.5	0		
20	QPSK	1	8	20.85	20.95	21.05	20.85	21.05	20.85	18.5	0		
20	QPSK	1	8	20.95	21.05	21.15	20.95	21.15	20.95	18.5	0		
20	QPSK	1	8	21.05	21.15	21.25	21.05	21.25	21.05	18.5	0		
20	QPSK	1	8	21.15	21.25	21.35	21.15	21.35	21.15	18.5	0		
20	QPSK	1	8	21.25	21.35	21.45	21.25	21.45	21.25	18.5	0		
20	QPSK	1	8	21.35	21.45	21.55	21.35	21.55	21.35	18.5	0		
20	QPSK	1	8	21.45	21.55	21.65	21.45	21.65	21.45	18.5	0		
20	QPSK	1	8	21.55	21.65	21.75	21.55	21.75	21.55	18.5	0		
20	QPSK	1	8	21.65	21.75	21.85	21.65	21.85	21.65	18.5	0		
20	QPSK	1	8	21.75	21.85	21.95	21.75	21.95	21.75	18.5	0		
20	QPSK	1	8	21.85	21.95	22.05	21.85	22.05	21.85	18.5	0		
20	QPSK	1	8	21.95	22.05	22.15	21.95	22.15	21.95	18.5	0		
20	QPSK	1	8	22.05	22.15	22.25	22.05	22.25	22.05	18.5	0		
20	QPSK	1	8	22.15	22.25	22.35	22.15	22.35	22.15	18.5	0		
20	QPSK	1	8	22.25	22.35	22.45	22.25	22.45	22.25	18.5	0		
20	QPSK	1	8	22.35	22.45	22.55	22.35	22.55	22.35	18.5	0		
20	QPSK	1	8	22.45	22.55	22.65	22.45	22.65	22.45	18.5	0		
20	QPSK	1	8	22.55	22.65	22.75	22.55	22.75	22.55	18.5	0		
20	QPSK	1	8	22.65	22.75	22.85	22.65	22.85	22.65	18.5	0		
20	QPSK	1	8	22.75	22.85	22.95	22.75	22.95	22.75	18.5	0		
20	QPSK	1	8	22.85	22.95	23.05	22.85	23.05	22.85	18.5	0		
20	QPSK	1	8	22.95	23.05	23.15	22.95	23.15	22.95	18.5	0		
20	QPSK	1	8	23.05	23.15	23.25	23.05	23.25	23.05	18.5	0		
20	QPSK	1	8	23.15	23.25	23.35	23.15	23.35	23.15	18.5	0		
20	QPSK	1	8	23.25	23.35	23.45	23.25	23.45	23.25	18.5	0		
20	QPSK	1	8	23.35	23.45	23.55	23.35	23.55	23.35	18.5	0		
20	QPSK	1	8	23.45	23.55	23.65	23.45	23.65	23.45	18.5	0		
20	QPSK	1	8	23.55	23.65	23.75	23.55	23.75	23.55	18.5	0		
20	QPSK	1	8	23.65	23.75	23.85	23.65	23.85	23.65	18.5	0		
20	QPSK	1	8	23.75	23.85	23.95	23.75	23.95	23.75	18.5	0		
20	QPSK	1	8	23.85	23.95	24.05	23.85	24.05	23.85	18.5	0		
20	QPSK	1	8	23.95	24.05	24.15	23.95	24.15	23.95	18.5	0		
20	QPSK	1	8	24.05	24.15	24.25	24.05	24.25	24.05	18.5	0		
20	QPSK	1	8	24.15	24.25	24.35	24.15	24.35	24.15	18.5	0		
20	QPSK	1	8	24.25	24.35	24.45	24.25	24.45	24.25	18.5	0		
20	QPSK	1	8	24.35	24.45	24.55	24.35	24.55	24.35	18.5	0		
20	QPSK	1	8	24.45	24.55	24.65	24.45	24.65	24.45	18.5	0		
20	QPSK	1	8	24.55	24.65	24.75	24.55	24.75	24.55	18.5	0		
20	QPSK	1	8	24.65	24.75	24.85	24.65	24.85	24.65	18.5	0		
20	QPSK	1	8	24.75	24.85	24.95	24.75	24.95	24.75	18.5	0		
20	QPSK	1	8	24.85	24.95	25.05	24.85	25.05	24.85	18.5	0		
20	QPSK	1	8	24.95	25.05	25.15	24.95	25.15	24.95	18.5	0		
20	QPSK	1	8	25.05	25.15	25.25	25.05	25.25	25.05	18.5	0		
20	QPSK	1	8	25.15	25.25	25.35	25.15	25.35	25.15	18.5	0		
20	QPSK	1	8	25.25	25.35	25.45	25.25	25.45	25.25	18.5	0		
20	QPSK	1	8	25.35	25.45	25.55	25.35	25.55	25.35	18.5	0		
20	QPSK	1	8	25.45	25.55	25.65	25.45	25.65	25.45	18.5	0		
20	QPSK	1	8	25.55	25.65	25.75	25.55	25.75	25.55	18.5	0		
20	QPSK	1	8	25.65	25.75	25.85	25.65	25.85	25.65	18.5	0		
20	QPSK	1	8	25.75	25.85	25.95	25.75	25.95	25.75	18.5	0		
20	QPSK	1	8	25.85	25.95	26.05	25.85	26.05	25.85	18.5	0		
20	QPSK	1	8	25.95	26.05	26.15	25.95	26.15	25.95	18.5	0		
20	QPSK	1	8	26.05	26.15	26.25	26.05	26.25	26.05	18.5	0		
20	QPSK	1	8	26.15	26.25	26.35	26.15	26.35	26.15	18.5	0		
20	QPSK	1	8	26.25	26.35	26.45	26.25	26.45	26.25	18.5	0		
20	QPSK	1	8	26.35	26.45	26.55	26.35	26.55	26.35	18.5	0		
20	QPSK	1	8	26.45	26.55	26.65	26.45	26.65	26.45	18.5	0		
20	QPSK	1	8	26.55	26.65	26.75	26.55	26.75	26.55	18.5	0		
20	QPSK	1	8	26.65	26.75	26.85	26.65	26.85	26.65	18.5	0		
20	QPSK	1	8	26.75	26.85	26.95	26.75	26.95	26.75	18.5	0		
20	QPSK	1	8	26.85	26.95	27.05	26.85	27.05	26.85	18.5	0		
20	QPSK	1	8	26.95									



DSI 17 Power

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2
GSM 1 Tx slot	32.45	32.81	32.79	33.50	23.45	23.61	23.79	24.50	23.79
GPRS 1 Tx slot	32.44	32.59	32.72	33.50	23.44	23.59	23.72	24.50	23.72
GPRS 2 Tx slots	29.27	29.48	29.60	30.50	23.27	23.48	23.60	24.50	23.60
GPRS 3 Tx slots	27.55	27.72	27.85	28.70	23.29	23.48	23.59	24.44	23.59
GPRS 4 Tx slots	26.33	26.51	26.49	27.50	23.33	23.51	23.49	24.50	23.50
EDGE 1 Tx slot	26.67	26.64	26.35	27.50	17.67	17.64	17.35	18.50	17.35
EDGE 2 Tx slots	23.93	23.91	23.51	25.00	17.93	17.91	17.51	19.00	17.51
EDGE 3 Tx slots	22.01	22.23	21.98	23.20	17.75	17.97	17.72	18.94	17.72
EDGE 4 Tx slots	20.76	20.88	20.53	22.00	17.76	17.88	17.53	18.00	17.53
DTM Multi-slot class 5	28.16	29.27	28.39	30.50	23.08	23.26	23.34	24.48	23.34
DTM Multi-slot class 9	28.00	29.33	28.41	30.50	23.00	23.24	23.34	24.48	23.34
DTM Multi-slot class 11	27.05	27.48	27.69	28.70	23.04	23.25	23.41	24.44	23.41
DTM Multi-slot class 5	29.10	29.27	28.45	30.50	21.16	21.31	21.36	22.55	21.36
DTM Multi-slot class 9	23.74	23.78	23.26	25.00	21.18	21.37	21.36	22.55	21.36
DTM Multi-slot class 11	21.75	22.04	21.76	22.20	20.17	20.41	20.42	21.61	20.42

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2
GSM 1 Tx slot	29.83	29.45	29.87	30.50	20.83	20.45	20.87	21.50	20.87
GPRS 1 Tx slot	29.74	29.44	29.76	30.50	20.74	20.44	20.76	21.50	20.76
GPRS 2 Tx slots	26.50	26.68	26.55	27.50	20.50	20.68	20.55	21.50	20.55
GPRS 3 Tx slots	24.83	24.87	24.77	25.70	20.57	20.41	20.51	21.44	20.51
GPRS 4 Tx slots	23.06	23.09	23.07	24.50	20.06	20.09	20.07	21.50	20.07
EDGE 1 Tx slot	26.48	26.28	26.55	27.00	17.48	17.28	17.55	18.00	17.55
EDGE 2 Tx slots	23.38	23.38	23.28	24.00	17.38	17.38	17.28	18.00	17.28
EDGE 3 Tx slots	21.50	21.63	21.42	22.20	17.24	17.37	17.16	17.94	17.16
EDGE 4 Tx slots	20.14	20.02	20.01	21.00	17.14	17.02	17.01	18.00	17.01
DTM Multi-slot class 5	26.20	26.40	26.25	27.50	20.23	20.40	20.22	21.48	20.22
DTM Multi-slot class 9	26.33	26.42	26.35	27.50	20.30	20.48	20.30	21.48	20.30
DTM Multi-slot class 11	24.58	24.45	24.58	25.70	20.34	20.26	20.29	21.44	20.29
DTM Multi-slot class 5	23.08	23.12	23.13	24.00	18.99	19.12	18.95	20.07	18.95
DTM Multi-slot class 9	26.32	26.44	26.36	27.50	19.00	19.09	19.01	20.07	19.01
DTM Multi-slot class 11	23.16	23.18	23.10	24.00	18.44	18.40	18.36	19.44	18.36

Band	WCDMA IV_Ant2			Tune-up Limit (dBm)	WCDMA IV_Ant3			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9262	9400	9538	9262	9400	9538	9262	9400	9538
Rx Channel	9602	9600	9593	9602	9600	9593	9602	9600	9593
Frequency (MHz)	1952.4	1980	1907.6	1952.4	1980	1907.6	1952.4	1980	1907.6
3GPP Rel 99	AMR 12.2Kbps	21.28	21.33	21.10	22.00	22.09	22.19	22.03	22.50
3GPP Rel 99	RMC 12.2Kbps	21.31	21.35	21.17	22.00	22.17	22.23	22.10	22.50
3GPP Rel 6	HSDPA Subtest1	20.22	20.09	20.17	21.00	21.22	21.25	21.08	21.50
3GPP Rel 6	HSDPA Subtest2	20.19	20.11	20.26	21.00	21.14	21.21	20.96	21.50
3GPP Rel 6	HSDPA Subtest3	19.61	19.60	19.68	20.50	20.73	20.57	20.61	21.00
3GPP Rel 6	HSDPA Subtest4	19.63	19.61	19.67	20.50	20.61	20.64	20.48	21.00
3GPP Rel 6	DC-HSDPA Subtest1	19.56	19.62	19.65	21.00	20.05	20.15	20.14	21.50
3GPP Rel 6	DC-HSDPA Subtest2	18.80	19.62	19.59	21.00	20.09	20.13	20.08	21.50
3GPP Rel 6	DC-HSDPA Subtest3	19.07	19.04	19.11	20.50	19.42	19.46	19.47	21.00
3GPP Rel 6	DC-HSDPA Subtest4	19.07	19.14	19.04	20.50	19.46	19.42	19.41	21.00
3GPP Rel 6	HSUPA Subtest1	20.27	20.28	20.22	21.00	21.22	21.25	21.30	21.50
3GPP Rel 6	HSUPA Subtest2	18.23	18.27	18.18	19.00	19.18	19.15	19.36	19.50
3GPP Rel 6	HSUPA Subtest3	19.20	19.22	19.19	20.00	20.09	20.19	20.26	20.50
3GPP Rel 6	HSUPA Subtest4	18.15	18.30	18.15	19.00	19.15	19.11	19.23	19.50
3GPP Rel 6	HSUPA Subtest5	20.19	20.28	20.27	21.00	21.25	21.08	21.38	21.50

Band	WCDMA IV_Ant0			Tune-up Limit (dBm)	WCDMA IV_Ant1			Tune-up Limit (dBm)	
	4152	4152	4233		4152	4152	4233		
TX Channel	4152	4152	4233	4152	4152	4233	4152	4152	4233
Rx Channel	4357	4407	4459	4357	4407	4459	4357	4407	4459
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6	826.4	836.4	846.6
3GPP Rel 99	AMR 12.2Kbps	24.15	24.17	24.13	25.00	22.20	22.15	22.14	23.00
3GPP Rel 99	RMC 12.2Kbps	24.16	24.19	24.18	25.00	22.22	22.27	22.16	23.00
3GPP Rel 6	HSDPA Subtest1	23.15	23.11	23.05	24.00	21.11	21.10	21.09	22.00
3GPP Rel 6	HSDPA Subtest2	23.15	23.12	23.05	24.00	21.19	21.09	21.11	22.00
3GPP Rel 6	HSDPA Subtest3	22.70	22.63	22.56	23.50	20.67	20.65	20.59	21.50
3GPP Rel 6	HSDPA Subtest4	22.68	22.60	22.55	23.50	20.61	20.55	20.60	21.50
3GPP Rel 6	DC-HSDPA Subtest1	22.80	22.93	22.91	24.00	20.71	20.77	20.74	22.50
3GPP Rel 6	DC-HSDPA Subtest2	22.89	22.92	22.90	24.00	20.69	20.71	20.69	22.50
3GPP Rel 6	DC-HSDPA Subtest3	22.38	22.41	22.40	23.50	20.17	20.18	20.20	21.50
3GPP Rel 6	DC-HSDPA Subtest4	22.35	22.39	22.38	23.50	20.16	20.19	20.20	21.50
3GPP Rel 6	HSUPA Subtest1	23.08	23.09	23.10	24.00	21.12	21.08	21.04	22.00
3GPP Rel 6	HSUPA Subtest2	21.15	21.07	21.01	22.00	19.05	19.09	18.99	20.00
3GPP Rel 6	HSUPA Subtest3	22.05	22.11	22.03	23.00	20.11	20.13	20.09	21.00
3GPP Rel 6	HSUPA Subtest4	21.10	21.04	21.01	22.00	19.01	19.11	19.00	20.00
3GPP Rel 6	HSUPA Subtest5	23.10	23.10	23.00	24.00	21.07	21.08	21.07	22.00

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2	824.2
GSM 1 Tx slot	30.73	30.81	30.79	32.00	21.73	21.81	21.79	23.00	21.79
GPRS 1 Tx slot	30.72	30.79	30.78	32.00	21.72	21.79	21.78	23.00	21.78
GPRS 2 Tx slots	27.68	27.70	27.85	29.00	21.68	21.70	21.65	23.00	21.65
GPRS 3 Tx slots	26.13	26.18	26.17	27.20	21.67	21.92	21.91	22.94	21.91
GPRS 4 Tx slots	24.54	24.68	24.60	26.00	21.54	21.68	21.60	23.00	21.60
EDGE 1 Tx slot	26.72	26.89	26.53	27.50	17.72	17.89	17.53	18.50	17.53
EDGE 2 Tx slots	23.73	23.88	23.86	25.00	17.73	17.88	17.86	18.00	17.86
EDGE 3 Tx slots	21.97	22.04	21.84	23.20	17.71	17.78	17.58	18.94	17.58
EDGE 4 Tx slots	20.61	20.65	20.53	22.00	17.61	17.65	17.53	18.00	17.53
DTM Multi-slot class 5	28.99	29.01	29.11	30.50	22.96	22.95	23.04	24.48	23.04
DTM Multi-slot class 9	28.91	28.91	29.15	30.50	22.89	22.93	23.08	24.48	23.08
DTM Multi-slot class 11	27.24	27.17	27.26	28.70	22.97	22.90	23.02	24.44	23.02
DTM Multi-slot class 5	28.93	28.98	29.04	30.50	21.01	21.09	21.09	22.55	21.09
DTM Multi-slot class 9	23.59	23.75	23.55	25.00	20.93	21.08	21.10	22.55	21.10
DTM Multi-slot class 11	21.68	21.82	21.85	23.20	20.17	20.20	20.12	21.61	20.12

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2	1850.2
GSM 1 Tx slot	29.45	29.26	29.46	30.50	20.45	20.26			



Band 2_Ant 2										
BW (MHz)	Modulation	RS (bits)	RS (Ch/Frame)	Power Low Ch/Frame	Power Med Ch/Frame	Power High Ch/Frame	Turn-up time (sec)	MPR (dB)	Uplink (dB)	Downlink (dB)
Channel: 18000, 18000, 18100										
Frequency (MHz)										
20	QPSK	1	0	20.35	20.50	20.67				
20	QPSK	1	48	20.79	20.94	21.11	22	0		
20	QPSK	1	96	20.83	20.98	21.15				
20	QPSK	50	0	21.04	21.19	21.34				
20	QPSK	50	24	20.75	20.90	21.05	22	0		
20	QPSK	50	48	20.83	20.98	21.13				
20	QPSK	50	72	20.87	21.02	21.17				
20	QPSK	100	0	20.87	21.02	21.17				
20	HEGAM	1	0	20.83	20.98	21.13	22	0		
20	HEGAM	1	48	20.71	20.86	21.01				
20	HEGAM	1	96	20.71	20.86	21.01				
20	HEGAM	50	0	20.82	20.97	21.12				
20	HEGAM	50	24	20.68	20.83	20.98	22	0		
20	HEGAM	50	48	20.68	20.83	20.98				
20	HEGAM	50	72	20.68	20.83	20.98				
20	HEGAM	100	0	20.68	20.83	20.98				
20	HEGAM	100	24	20.55	20.70	20.85	22	0		
20	HEGAM	100	48	20.55	20.70	20.85				
20	HEGAM	100	72	20.55	20.70	20.85				
20	HEGAM	150	0	20.68	20.83	20.98				
20	HEGAM	150	24	20.55	20.70	20.85	22	0		
20	HEGAM	150	48	20.55	20.70	20.85				
20	HEGAM	150	72	20.55	20.70	20.85				
20	HEGAM	200	0	20.42	20.57	20.72	21.5	0.5		
20	HEGAM	200	24	20.29	20.44	20.59				
20	HEGAM	200	48	20.29	20.44	20.59				
20	HEGAM	200	72	20.29	20.44	20.59				
20	HEGAM	250	0	19.37	19.52	19.67	19.5	2.5		
20	HEGAM	250	24	19.24	19.39	19.54				
20	HEGAM	250	48	19.24	19.39	19.54				
20	HEGAM	250	72	19.24	19.39	19.54				
20	HEGAM	300	0	18.30	18.45	18.60	19.5	2.5		
20	HEGAM	300	24	18.17	18.32	18.47				
20	HEGAM	300	48	18.17	18.32	18.47				
20	HEGAM	300	72	18.17	18.32	18.47				
Channel: 18100, 18100, 18200										
Frequency (MHz)										
15	QPSK	1	0	20.79	20.94	21.09				
15	QPSK	1	37	20.71	20.86	21.01	22	0		
15	QPSK	1	74	20.83	20.98	21.13				
15	QPSK	36	0	20.83	20.98	21.13				
15	QPSK	36	20	20.74	20.89	21.04	22	0		
15	QPSK	36	40	20.83	20.98	21.13				
15	QPSK	36	60	20.87	21.02	21.17				
15	HEGAM	1	0	20.74	20.89	21.04	22	0		
15	HEGAM	1	37	20.66	20.81	20.96				
15	HEGAM	1	74	20.64	20.79	20.94				
15	HEGAM	36	0	20.75	20.90	21.05				
15	HEGAM	36	20	20.67	20.82	20.97	22	0		
15	HEGAM	36	40	20.75	20.90	21.05				
15	HEGAM	36	60	20.79	20.94	21.09				
15	HEGAM	75	0	20.55	20.70	20.85				
15	HEGAM	75	20	20.48	20.63	20.78	22	0		
15	HEGAM	75	40	20.56	20.71	20.86				
15	HEGAM	75	60	20.64	20.79	20.94				
15	HEGAM	100	0	20.54	20.69	20.84	22	0		
15	HEGAM	100	20	20.46	20.61	20.76				
15	HEGAM	100	40	20.54	20.69	20.84				
15	HEGAM	100	60	20.58	20.73	20.88				
15	HEGAM	150	0	19.29	19.44	19.59	19.5	2.5		
15	HEGAM	150	20	19.21	19.36	19.51				
15	HEGAM	150	40	19.29	19.44	19.59				
15	HEGAM	150	60	19.33	19.48	19.63				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.22	21.37	21.52				
15	HEGAM	150	40	21.16	21.31	21.46				
15	HEGAM	150	60	21.10	21.25	21.40				
15	HEGAM	150	75	0	21.20	21.35	21.50	22	0	
15	HEGAM	150	20	21.2						



Band 7_Ant 2											
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch. (W)	Power Mid Ch. (W)	Power High Ch. (W)	Turn-up time (min)	MFR (dB)	SPR (dB)		
Channel: 20950, 21100, 21300											
Frequency (MHz)											
20	QPSK	1	0	20.35	20.72	20.63					
20	QPSK	1	48	20.44	20.62	20.61	21.5	0			
20	QPSK	30	0	20.35	20.52	20.50					
20	QPSK	30	48	20.35	20.52	20.51	21.5	0			
20	QPSK	50	0	20.35	20.64	20.62					
20	QPSK	50	48	20.35	20.64	20.63	21.5	0			
20	QPSK	100	0	20.35	20.48	20.41					
20	QPSK	100	48	20.35	20.48	20.41	21.5	0			
20	16QAM	1	0	20.47	20.70	20.63					
20	16QAM	1	48	20.38	20.20	20.25	21.5	0			
20	16QAM	1	96	20.34	20.48	20.49					
20	16QAM	1	96	20.34	20.48	20.48	21.5	0			
20	16QAM	50	0	20.46	20.53	20.58					
20	16QAM	50	48	20.46	20.53	20.58	21.5	0			
20	16QAM	100	0	20.27	20.51	20.43					
20	16QAM	100	48	20.27	20.51	20.43	21.5	0			
20	16QAM	500	0	20.29	20.20	20.26					
20	16QAM	500	48	20.29	20.20	20.26	21.5	0			
20	16QAM	1	48	20.32	20.52	20.52					
20	16QAM	1	96	20.40	20.54	20.52					
20	16QAM	1	96	20.40	20.52	20.51	21.5	0			
20	16QAM	50	24	20.30	20.48	20.45					
20	16QAM	50	24	20.34	20.40	20.40	21.5	0			
20	16QAM	100	0	20.28	20.41	20.38					
20	16QAM	100	48	20.28	20.41	20.38	21.5	0			
20	256QAM	1	0	18.27	18.24	18.22					
20	256QAM	1	48	18.38	18.36	18.43	19.5	2			
20	256QAM	1	96	18.39	18.36	18.36					
20	256QAM	1	96	18.29	18.20	18.28	19.5	2			
20	256QAM	50	0	18.23	18.20	18.28					
20	256QAM	50	48	18.23	18.36	18.37	19.5	2			
20	256QAM	100	0	18.23	18.20	18.28					
20	256QAM	100	48	18.23	18.20	18.28	19.5	2			
Channel: 20950, 21100, 21300											
Frequency (MHz)											
15	QPSK	1	0	20.33	20.67	20.63					
15	QPSK	1	37	20.39	20.60	20.53	21.5	0			
15	QPSK	36	0	20.42	20.62	20.52					
15	QPSK	36	48	20.24	20.48	20.38	21.5	0			
15	QPSK	36	96	20.31	20.51	20.51					
15	QPSK	75	0	20.18	20.41	20.40					
15	QPSK	75	48	20.46	20.63	20.60	21.5	0			
15	16QAM	1	0	20.46	20.63	20.60					
15	16QAM	1	37	20.32	20.52	20.51	21.5	0			
15	16QAM	1	74	20.33	20.57	20.49					
15	16QAM	1	74	20.33	20.57	20.49	21.5	0			
15	16QAM	36	0	20.38	20.44	20.42					
15	16QAM	36	48	20.62	20.42	20.41	21.5	0			
15	16QAM	36	96	20.17	20.47	20.38					
15	16QAM	75	0	20.27	20.53	20.34					
15	16QAM	75	48	20.21	20.51	20.51	21.5	0			
15	16QAM	1	37	20.21	20.43	20.44					
15	16QAM	1	74	20.38	20.47	20.40	21.5	0			
15	16QAM	1	74	20.38	20.47	20.40					
15	16QAM	36	20	20.20	20.45	20.43	21.5	0			
15	16QAM	36	20	20.20	20.45	20.43					
15	16QAM	75	39	20.24	20.48	20.40					
15	16QAM	75	39	20.24	20.48	20.40	21.5	0			
15	256QAM	1	0	18.28	18.19	18.20					
15	256QAM	1	37	18.31	18.41	18.34	19.5	2			
15	256QAM	1	74	18.29	18.33	18.38					
15	256QAM	1	74	18.21	18.20	18.20	19.5	2			
15	256QAM	36	0	18.23	18.26	18.26					
15	256QAM	36	48	18.19	18.21	18.28	19.5	2			
15	256QAM	75	0	18.18	18.22	18.18					
15	256QAM	75	48	18.18	18.22	18.18	19.5	2			
Channel: 20950, 21100, 21450											
Frequency (MHz)											
10	QPSK	1	0	20.40	20.61	20.58					
10	QPSK	1	25	20.35	20.60	20.53	21.5	0			
10	QPSK	1	48	20.41	20.61	20.51					
10	QPSK	24	0	20.40	20.50	20.54					
10	QPSK	24	48	20.27	20.43	20.44	21.5	0			
10	QPSK	36	0	20.27	20.51	20.56					
10	QPSK	36	48	20.27	20.51	20.56	21.5	0			
10	QPSK	50	0	20.23	20.41	20.39					
10	QPSK	50	48	20.25	20.64	20.51	21.5	0			
10	16QAM	1	0	20.35	20.64	20.61					
10	16QAM	1	48	20.28	20.48	20.48	21.5	0			
10	16QAM	1	96	20.11	20.37	20.38					
10	16QAM	1	96	20.22	20.49	20.38	21.5	0			
10	16QAM	24	0	20.22	20.49	20.38					
10	16QAM	24	48	20.24	20.50	20.24	21.5	0			
10	16QAM	50	0	20.24	20.50	20.50					
10	16QAM	50	48	20.29	20.48	20.43	21.5	0			
10	16QAM	100	0	20.29	20.51	20.41					
10	16QAM	100	48	20.28	20.51	20.41	21.5	0			
10	16QAM	500	0	20.17	20.34	20.29					
10	16QAM	500	48	18.18	18.20	18.21	19.5	2			
10	256QAM	1	25	18.30	18.46	18.40					
10	256QAM	1	48	18.21	18.20	18.20	19.5	2			
10	256QAM	1	96	18.20	18.20	18.21					
10	256QAM	1	96	18.21	18.20	18.20	19.5	2			
10	256QAM	25	0	18.24	18.24	18.24					
10	256QAM	25	48	18.24	18.20	18.28	19.5	2			
10	256QAM	50	0	18.13	18.20	18.20					
10	256QAM	50	48	18.13	18.20	18.20	19.5	2			
Channel: 20950, 21100, 21450											
Frequency (MHz)											
5	QPSK	1	0	20.54	20.60	20.62					
5	QPSK	1	12	20.35	20.50	20.53	21.5	0			
5	QPSK	1	24	20.34	20.53	20.53					
5	QPSK	12	0	20.41	20.62	20.64					
5	QPSK	12	7	20.21	20.48	20.44	21.5	0			
5	QPSK	12	13	20.26	20.50	20.40					
5	QPSK	25	0	20.20	20.38	20.38					
5	QPSK	25	48	20.25	20.68	20.53	21.5	0			
5	16QAM	1	0	20.35	20.68	20.63					
5	16QAM	1	12	20.29	20.61	20.48	21.5	0			
5	16QAM	1	24	20.24	20.49	20.52					
5	16QAM	1	24	20.29	20.51	20.46	21.5	0			
5	16QAM	12	0	20.11	20.37	20.38					
5	16QAM	12	13	20.25	20.50	20.38					
5	16QAM	25	0	20.26	20.52	20.26					
5	16QAM	25	48	20.45	20.50	20.57	21.5	0			
5	16QAM	1	12	20.29	20.54	20.41					
5	16QAM	1	24	20.39	20.63	20.43	21.5	0			
5	16QAM	12	7	20.20	20.37	20.34	21.5	0			
5	16QAM	12	13	20.26	20.52	20.44					
5	16QAM	25	0	20.18	20.40	20.28					
5	256QAM	1	0	18.20	18.17	18.19					
5	256QAM	1	12	18.30	18.43	18.37	19.5	2			
5	256QAM	1	24	18.25	18.20	18.21					
5	256QAM	1	24	18.25	18.20	18.21	19.5	2			
5	256QAM	12	0	18.13	18.12	18.18					
5	256QAM	12	13	18.22	18.20	18.28	19.5	2			
5	256QAM	25	0	18.11	18.27	18.18					

Band 7_Ant 3											
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch. (W)	Power Mid Ch. (W)	Power High Ch. (W)	Turn-up time (min)	MFR (dB)	SPR (dB)		
Channel: 20950, 21100, 21300											
Frequency (MHz)											
20	QPSK	1	0	18.13	18.19	18.18					
20	QPSK	1	48	18.80	18.88	18.79	20.5	0			
20	QPSK	30	0	18.13	18.30	18.31					
20	QPSK	30	48	18.11	18.34	18.31	20.5	0			
20	QPSK	50	0	18.11	18.34	18.31					
20	QPSK	50	48	18.11	18.34	18.31	20.5	0			
20	QPSK	100	0	18.89	18.97	18.77					
20	QPSK	100	48	18.78	18.95	18.78	20.5	0			
20	16QAM	1	0	18.71	18.87	18.70					
20	16QAM	1	48	18.75	18.96	18.71	20.5	0			
20	16QAM	50	0	18.71	18.87	18.82					
20	16QAM	50	48	18.74	18.92	18.79	20.5	0			
20	16QAM	100	0	18.58	18.79	18.65					
20	16QAM	100	48	18.74	18.91	18.80	20.5	0			
20	16QAM	1	48	18.75	18.87	18.78					
20	16QAM										



Band 12_Ant 0										
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.25	22.25	22.25				
10	QPSK	1	25	22.19	22.27	22.27	23.5	0		
10	QPSK	1	50	22.13	22.33	22.33				
10	QPSK	25	0	22.21	22.31	22.31				
10	QPSK	25	12	22.17	22.28	22.28	23.5	0		
10	QPSK	25	25	22.11	22.34	22.34				
10	QPSK	50	0	22.12	22.32	22.32				
10	TDMA	1	0	22.25	22.25	22.25	23.5	0		
10	TDMA	1	25	22.14	22.33	22.33				
10	TDMA	1	48	22.18	22.18	21.97				
10	TDMA	25	0	21.96	21.91	21.97				
10	TDMA	25	12	21.97	21.91	21.96	22.5	1		
10	TDMA	25	25	21.99	21.40	21.33				
10	TDMA	50	0	21.93	21.91	21.97				
10	TDMA	50	12	21.91	21.92	21.96	22.5	1		
10	TDMA	50	25	21.45	21.54	21.54				
10	SSBAM	1	48	21.96	21.97	21.44				
10	SSBAM	25	0	20.99	20.94	20.94				
10	SSBAM	25	12	20.97	20.93	20.91	21.5	2		
10	SSBAM	25	25	20.97	20.42	20.42				
10	SSBAM	50	0	20.47	20.38	20.38				
10	SSBAM	50	12	20.37	20.38	20.31	21.5	2		
10	SSBAM	50	25	20.37	20.41	20.32				
10	SSBAM	50	48	18.97	18.96	18.93	19.5	4		
10	SSBAM	50	48	18.98	18.93	18.96				
10	SSBAM	50	48	18.34	18.30	18.25	19.5	4		
10	SSBAM	50	48	18.34	18.30	18.25				
10	SSBAM	50	48	18.30	18.30	18.30	19.5	4		
10	SSBAM	50	48	18.30	18.28	18.28				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.25	22.28	22.18				
5	QPSK	1	12	22.08	22.24	22.03	23.5	0		
5	QPSK	12	0	22.09	22.20	22.08				
5	QPSK	12	7	22.14	22.21	21.98	23.5	0		
5	QPSK	12	13	22.14	22.21	21.98				
5	QPSK	25	0	22.07	22.18	21.91				
5	TDMA	1	0	22.25	22.17	21.96	23.5	0		
5	TDMA	1	24	22.12	22.15	21.92				
5	TDMA	1	24	22.15	22.12	21.92				
5	TDMA	12	0	21.99	21.92	21.95	22.5	1		
5	TDMA	12	13	21.97	21.92	21.91				
5	TDMA	25	0	21.97	21.92	21.96				
5	TDMA	25	12	21.96	21.93	21.93	22.5	1		
5	TDMA	25	12	21.38	21.47	21.59				
5	TDMA	50	0	21.91	21.96	21.92				
5	TDMA	50	12	21.94	20.91	20.91	22.5	1		
5	TDMA	50	12	21.92	20.92	20.91				
5	TDMA	50	12	20.94	20.96	20.91	21.5	2		
5	TDMA	50	25	20.94	20.91	20.91				
5	TDMA	50	48	18.95	18.96	18.91	19.5	4		
5	TDMA	50	48	18.97	18.96	18.91				
5	TDMA	50	48	18.32	18.21	18.13	19.5	4		
5	TDMA	50	48	18.32	18.20	18.20				
5	TDMA	50	48	18.30	18.20	18.20	19.5	4		
5	TDMA	50	48	18.30	18.28	18.28				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.25	22.21	22.08				
3	QPSK	1	8	22.18	22.19	22.05	23.5	0		
3	QPSK	8	0	22.18	22.21	22.08				
3	QPSK	8	4	22.14	22.15	21.93	23.5	0		
3	QPSK	15	0	22.12	22.22	22.10				
3	QPSK	15	0	22.09	22.20	21.85				
3	TDMA	1	0	22.25	22.22	21.96	23.5	0		
3	TDMA	1	14	22.07	22.13	21.88				
3	TDMA	8	0	21.95	21.92	21.94				
3	TDMA	8	4	21.97	21.91	21.91	22.5	1		
3	TDMA	15	0	21.92	21.91	21.92				
3	TDMA	15	0	21.95	21.92	21.92				
3	TDMA	15	7	21.27	21.41	21.28	22.5	1		
3	TDMA	15	7	21.27	21.41	21.28				
3	TDMA	15	14	21.40	21.49	21.42				
3	TDMA	15	14	20.98	20.91	20.92	21.5	2		
3	TDMA	15	14	20.98	20.91	20.92				
3	TDMA	15	14	18.47	18.41	18.41	19.5	4		
3	TDMA	15	14	18.47	18.39	18.39				
3	TDMA	15	14	18.31	18.30	18.25	19.5	4		
3	TDMA	15	14	18.31	18.20	18.22				
3	TDMA	15	14	18.25	18.20	18.20	19.5	4		
3	TDMA	15	14	18.25	18.20	18.20				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.25	22.20	22.13				
1.4	QPSK	1	3	22.15	22.24	22.05	23.5	0		
1.4	QPSK	1	3	22.16	22.13	22.00				
1.4	QPSK	3	0	22.20	22.22	21.99				
1.4	QPSK	3	1	22.15	22.14	21.96	23.5	0		
1.4	QPSK	3	3	22.10	22.13	21.91				
1.4	QPSK	6	0	22.00	22.10	21.88	23.5	0		
1.4	TDMA	1	0	22.14	22.21	22.06				
1.4	TDMA	1	3	22.09	22.10	21.98				
1.4	TDMA	3	0	22.15	22.09	21.94	23.5	0		
1.4	TDMA	3	1	21.99	22.07	21.91				
1.4	TDMA	3	3	22.08	22.07	21.81				
1.4	TDMA	6	0	21.98	22.09	21.92	22.5	1		
1.4	TDMA	6	1	21.98	22.05	21.81				
1.4	TDMA	6	3	21.88	22.03	21.83				
1.4	TDMA	6	3	21.98	21.98	21.60	22.5	1		
1.4	TDMA	6	3	21.39	21.50	21.42				
1.4	TDMA	6	3	21.39	21.49	21.31	21.5	2		
1.4	TDMA	6	3	21.39	21.49	21.31				
1.4	TDMA	6	3	18.49	18.41	18.32	19.5	4		
1.4	TDMA	6	3	18.47	18.41	18.31				
1.4	TDMA	6	3	18.30	18.30	18.25	19.5	4		
1.4	TDMA	6	3	18.24	18.40	18.35				
1.4	TDMA	6	3	18.24	18.30	18.22	19.5	4		

Band 12_Ant 1										
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPR (dB)	MPR (dB)	
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.17	22.18	22.15				
10	QPSK	1	25	22.28	22.24	22.24	23.5	0		
10	QPSK	1	48	22.16	22.23	22.23				
10	QPSK	24	0	22.13	22.28	22.28				
10	QPSK	24	12	22.11	22.14	21.95	23.5	0		
10	QPSK	24	25	22.02	22.23	22.23				
10	QPSK	50	0	22.04	22.08	21.88				
10	TDMA	1	0	22.19	22.23	22.23	23.5	0		
10	TDMA	1	25	22.18	22.12	21.95				
10	TDMA	1	48	22.16	22.14	21.97				
10	TDMA	25	0	21.25	21.22	21.22				
10	TDMA	25	12	21.47	21.30	21.95	22.5	1		
10	TDMA	25	25	21.29	21.31	21.25				
10	TDMA	50	0	21.27	21.19	21.95				
10	TDMA	50	12	21.18	22.12	21.95	22.5	1		
10	TDMA	50	25	21.32	21.45	21.45				
10	TDMA	50	48	21.52	21.42	21.53				
10	TDMA	50	48	20.90	20.90	20.90	21.5	2		
10	TDMA	50	48	20.95	20.95	20.95				
10	TDMA	50	48	18.36	18.33	18.32	19.5	4		
10	TDMA	50	48	18.33	18.44	18.33				
10	TDMA	50	48	18.33	18.41	18.33	19.5	4		
10	TDMA	50	48	18.37	18.38	18.27				
10	TDMA	50	48	18.32	18.44	18.27	19.5	4		
10	TDMA	50	48	18.34	18.31	18.31				
10	TDMA	50	48	18.31	18.31	18.28				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.21	22.24	22.15				
5	QPSK	1	12	22.11	22.22	21.95	23.5	0		
5	QPSK	12	0	22.22	22.25	21.93				
5	QPSK	12	7	22.09	22.03	21.83	23.5	0		
5	QPSK	12	13	22.14	22.14	21.94				
5	QPSK	24	0	21.99	21.98	21.87				
5	TDMA	1	0	22.18	22.20	22.03	23.5	0		
5	TDMA	1	24	22.18	22.11	21.89				
5	TDMA	12	0	21.92	21.13	21.91				
5	TDMA	12	13	21.93	21.25	21.92	22.5	1		
5	TDMA	25	0	21.28	21.17	21.91				
5	TDMA	25	12	21.28	21.39	21.39	22.5	1		
5	TDMA	25	12	21.28	21.34	21.38				
5	TDMA	50	0	21.47	21.41	21.47				
5	TDMA	50	12	21.24	20.91	20.91	21.5	2		
5	TDMA	50	12	21.32	20.92	20.91				
5	TDMA	50	12	20.97	20.97	20.91	21.5	2		
5	TDMA	50	25	20.97	20.97	20.91				
5	TDMA	50	48	18.26	18.27	18.21	19.5	4		
5	TDMA	50	48	18.42	18.40	18.42				
5	TDMA	50	48	18.36	18.25	18.22	19.5	4		
5										



Band 25_Ant 2												
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turnup (min)	MPR (dB)				
Channel				2610	2610	2650						
Frequency (MHz)				2610	2610	2650						
20	QPSK	1	0	20.08	20.03	20.15	22	0				
20	QPSK	1	40	20.90	20.85	20.71						
20	QPSK	3	0	20.84	20.84	20.84						
20	QPSK	3	40	20.84	20.94	20.76						
20	QPSK	50	0	20.77	20.82	20.64						
20	QPSK	50	40	20.78	20.84	20.68	22	0				
20	QPSK	50	80	20.84	20.84	20.84						
20	QPSK	100	0	20.77	20.82	20.64						
20	QPSK	100	40	20.84	20.82	20.78						
20	QPSK	100	80	20.90	20.94	20.85						
20	QPSK	50	0	20.84	20.85	20.71						
20	QPSK	50	40	20.80	20.79	20.85						
20	QPSK	50	80	20.73	20.80	20.68	22	0				
20	QPSK	100	0	20.88	20.74	20.81						
20	QPSK	100	40	20.90	20.96	20.70						
20	QPSK	100	80	20.76	20.84	20.81	22	0				
20	QPSK	1	0	20.85	20.80	20.65						
20	QPSK	1	40	20.84	20.90	20.78						
20	QPSK	3	0	20.85	20.85	20.85						
20	QPSK	3	40	20.76	20.84	20.81						
20	QPSK	50	0	20.83	20.81	20.43	21.5	0.5				
20	QPSK	50	40	20.84	20.82	20.41						
20	QPSK	50	80	20.90	20.92	20.41						
20	QPSK	100	0	18.40	18.40	18.34						
20	QPSK	100	40	18.36	18.36	18.36	19.5	2.5				
20	QPSK	100	80	18.31	18.31	18.34						
20	QPSK	50	0	18.37	18.33	18.40	19.5	2.5				
20	QPSK	50	40	18.29	18.34	18.26						
20	QPSK	50	80	18.33	18.34	18.20						
Channel				2610	2610	2650	Turnup (min)	MPR (dB)				
Frequency (MHz)				2610	2610	2650	Turnup (min)	MPR (dB)				
15	QPSK	1	0	20.69	20.94	20.72	22	0				
15	QPSK	1	40	20.88	20.84	20.63						
15	QPSK	36	0	20.81	20.83	20.68						
15	QPSK	36	40	20.71	20.80	20.65	22	0				
15	QPSK	75	0	20.78	20.80	20.65						
15	QPSK	75	40	20.68	20.71	20.60						
15	QPSK	110	0	20.85	20.83	20.65						
15	QPSK	110	40	20.83	20.82	20.65	22	0				
15	QPSK	144	0	20.83	20.82	20.65						
15	QPSK	144	40	20.80	20.81	20.63						
15	QPSK	288	0	20.82	20.78	20.68	22	0				
15	QPSK	288	40	20.80	20.72	20.53						
15	QPSK	576	0	20.80	20.72	20.53						
15	QPSK	576	40	20.81	20.81	20.52	22	0				
15	QPSK	1152	0	20.82	20.77	20.53						
15	QPSK	1152	40	20.84	20.80	20.37						
15	QPSK	2304	0	20.80	20.43	20.37	21.5	0.5				
15	QPSK	2304	40	20.47	20.49	20.43						
15	QPSK	2304	80	20.55	20.57	20.53						
15	QPSK	4608	0	18.31	18.30	18.20						
15	QPSK	4608	40	18.30	18.28	18.21	19.5	2.5				
15	QPSK	9216	0	18.30	18.24	18.21						
15	QPSK	9216	40	18.25	18.24	18.28	19.5	2.5				
15	QPSK	18432	0	18.32	18.27	18.24						
Channel				2650	2650	2690	Turnup (min)	MPR (dB)				
Frequency (MHz)				2650	2650	2690	Turnup (min)	MPR (dB)				
10	QPSK	1	0	20.69	21.00	20.72	22	0				
10	QPSK	1	40	20.87	20.86	20.68						
10	QPSK	25	0	20.81	20.80	20.65						
10	QPSK	25	40	20.67	20.74	20.58	22	0				
10	QPSK	50	0	20.83	20.83	20.63						
10	QPSK	50	40	20.65	20.80	20.53						
10	QPSK	100	0	20.90	20.81	20.65						
10	QPSK	100	40	20.78	20.82	20.65	22	0				
10	QPSK	144	0	20.85	20.86	20.58						
10	QPSK	144	40	20.83	20.84	20.62						
10	QPSK	288	0	20.80	20.78	20.58	22	0				
10	QPSK	288	40	20.81	20.88	20.64						
10	QPSK	576	0	20.84	20.83	20.64						
10	QPSK	576	40	20.76	20.83	20.58	22	0				
10	QPSK	1152	0	20.79	20.73	20.54						
10	QPSK	1152	40	20.84	20.80	20.35						
10	QPSK	2304	0	20.84	20.42	20.37	21.5	0.5				
10	QPSK	2304	40	20.54	20.48	20.35						
10	QPSK	4608	0	18.32	18.30	18.20						
10	QPSK	4608	40	18.30	18.28	18.20	19.5	2.5				
10	QPSK	9216	0	18.26	18.26	18.20						
10	QPSK	9216	40	18.21	18.27	18.23	19.5	2.5				
10	QPSK	18432	0	18.28	18.27	18.24						
Channel				2690	2690	2730	Turnup (min)	MPR (dB)				
Frequency (MHz)				2690	2690	2730	Turnup (min)	MPR (dB)				
5	QPSK	1	0	20.65	20.96	20.74	22	0				
5	QPSK	1	40	20.86	20.85	20.69						
5	QPSK	12	0	20.77	20.81	20.64						
5	QPSK	12	40	20.72	20.82	20.60	22	0				
5	QPSK	25	0	20.83	20.81	20.61						
5	QPSK	25	40	20.72	20.81	20.61						
5	QPSK	50	0	20.83	20.84	20.73						
5	QPSK	50	40	20.87	20.87	20.81	22	0				
5	QPSK	100	0	20.88	20.83	20.50						
5	QPSK	100	40	20.80	20.81	20.61						
5	QPSK	200	0	20.82	20.88	20.64	22	0				
5	QPSK	200	40	20.87	20.88	20.60						
5	QPSK	400	0	20.81	20.80	20.61						
5	QPSK	400	40	20.70	20.74	20.51	22	0				
5	QPSK	800	0	20.79	20.88	20.57						
5	QPSK	800	40	20.86	20.80	20.35						
5	QPSK	1600	0	20.82	20.42	20.41	21.5	0.5				
5	QPSK	1600	40	20.47	20.39	20.38						
5	QPSK	3200	0	18.32	18.30	18.27						
5	QPSK	3200	40	18.28	18.24	18.27	19.5	2.5				
5	QPSK	6400	0	18.23	18.19	18.20						
5	QPSK	6400	40	18.21	18.25	18.21	19.5	2.5				
5	QPSK	12800	0	18.21	18.20	18.21						
Channel				2730	2730	2770	Turnup (min)	MPR (dB)				
Frequency (MHz)				2730	2730	2770	Turnup (min)	MPR (dB)				
3	QPSK	1	0	20.68	20.96	20.74	22	0				
3	QPSK	1	40	20.81	20.89	20.65						
3	QPSK	6	0	20.83	20.82	20.74						
3	QPSK	6	40	20.75	20.81	20.56	22	0				
3	QPSK	12	0	20.79	20.86	20.61						
3	QPSK	12	40	20.65	20.77	20.58						
3	QPSK	24	0	20.87	20.80	20.73						
3	QPSK	24	40	20.88	20.88	20.84	22	0				
3	QPSK	48	0	20.88	20.88	20.50						
3	QPSK	48	40	20.82	20.82	20.62						
3	QPSK	96	0	20.87	20.87	20.37	22	0				
3	QPSK	96	40	20.65	20.72	20.57						
3	QPSK	192	0	20.83	20.72	20.50						
3	QPSK	192	40	20.80	20.88	20.60	22	0				
3	QPSK	384	0	20.84	20.79	20.53						
3	QPSK	384	40	20.83	20.74	20.55						
3	QPSK	768	0	20.82	20.49	20.44	21.5	0.5				
3	QPSK	768	40	20.37	20.29	20.38						
3	QPSK	1536	0	18.30	18.30	18.20						
3	QPSK	1536	40	18.34	18.30	18.34	19.5	2.5				
3	QPSK	3072	0	18.29	18.20	18.20						
3	QPSK	3072	40	18.27	18.25	18.23	19.5	2.5				
3	QPSK	6144	0	18.31	18.33	18.20						
Channel				2770	2770	2810	Turnup (min)	MPR (dB)				
Frequency (MHz)				2770	2770	2810	Turnup (min)	MPR (dB)				
1.4	QPSK	1	0	20.84	20.95	20.77	22	0				
1.4	QPSK	1	40	20.85	20.84	20.69						
1.4	QPSK	3	0	20.84	20.84	20.81						
1.4	QPSK	3	40	20.84	20.86	20.88						
1.4	QPSK	6	0	20.77	20.75	20.60						
1.4	QPSK	6	40	20.72	20.76	20.60	22	0				
1.4	QPSK	12	0	20.85	20.79	20.60						
1.4	QPSK	12	40	20.87	20.85	20.73						
1.4	QPSK	24	0	20.81	20.84	20.64						
1.4	QPSK	24	40	20.80	20.80	20.63	22	0				
1.4	QPSK	48	0	20.80	20.80	20.63						
1.4	QPSK	48	40	20.87	20.84	20.61						
1.4	QPSK	96	0	20.81	20.73	20.68						
1.4	QPSK	96	40	20.84	20.87	20.64	22	0				
1.4	QPSK	192	0	20.80	20.86	20.60						
1.4	QPSK	192	40	20.86	20.72	20.57						
1.4	QPSK	384	0	20.84	20.79	20.53	22	0				
1.4	QPSK	384	40	20.83	20.74	20.55						
1.4	QPSK	768	0	20.82	20.49	20.44	21.5	0.5				
1.4	QPSK	768	40	20.37	20.29	20.38						
1.4	QPSK	1536	0	18.30	18.30	18.20						



Band 26(FCC) Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turnup (min)	MFR (dB)		
Channel										
27710										
Frequency (MHz)										
15	QPSK	1	0	21.33	21.47	21.46	22.5	0		
15	QPSK	1	37	21.32	21.45	21.42	22.5	0		
15	QPSK	1	74	21.31	21.44	21.41	22.5	0		
15	QPSK	36	0	21.33	21.45	21.38	22.5	0		
15	QPSK	36	36	21.32	21.44	21.35	22.5	0		
15	QPSK	72	0	21.31	21.35	21.28	22.5	0		
15	HQAM	1	0	21.30	21.39	21.36	22.5	0		
15	HQAM	1	37	21.28	21.44	21.41	22.5	0		
15	HQAM	1	74	21.26	21.34	21.43	22.5	0		
15	HQAM	36	0	21.34	21.40	21.37	22.5	0		
15	HQAM	36	36	21.15	21.28	21.33	22.5	0		
15	HQAM	72	0	21.28	21.28	21.14	22.5	0		
15	HQAM	1	0	21.29	21.35	21.39	22.5	0		
15	HQAM	1	37	21.21	21.38	21.32	22.5	0		
15	HQAM	1	74	21.19	21.28	21.41	22.5	0		
15	HQAM	36	0	20.38	20.33	20.36	21.5	1		
15	HQAM	36	36	20.42	20.34	20.30	21.5	1		
15	HQAM	72	0	20.40	20.41	20.34	21.5	1		
15	HQAM	72	0	20.39	20.32	20.29	21.5	1		
15	SSQAM	1	0	18.61	18.49	18.69	19.5	3		
15	SSQAM	1	37	18.60	18.60	18.60	19.5	3		
15	SSQAM	1	74	18.51	18.44	18.41	19.5	3		
15	SSQAM	36	0	18.50	18.40	18.40	19.5	3		
15	SSQAM	36	36	18.48	18.38	18.42	19.5	3		
15	SSQAM	72	0	18.51	18.51	18.51	19.5	3		
15	SSQAM	72	0	18.50	18.47	18.44	19.5	3		
Channel										
27710										
Frequency (MHz)										
15	QPSK	1	0	21.23	21.45	21.40	22.5	0		
15	QPSK	1	36	21.24	21.41	21.33	22.5	0		
15	QPSK	1	74	21.23	21.42	21.35	22.5	0		
15	QPSK	36	0	21.12	21.42	21.37	22.5	0		
15	QPSK	36	36	21.21	21.39	21.34	22.5	0		
15	QPSK	72	0	21.07	21.35	21.28	22.5	0		
15	QPSK	72	0	21.07	21.34	21.24	22.5	0		
15	HQAM	1	0	21.21	21.30	21.30	22.5	0		
15	HQAM	1	37	21.25	21.44	21.41	22.5	0		
15	HQAM	1	74	21.23	21.28	21.33	22.5	0		
15	HQAM	36	0	21.16	21.23	21.29	22.5	0		
15	HQAM	36	36	21.11	21.22	21.28	22.5	0		
15	HQAM	72	0	20.97	21.27	21.65	22.5	0		
15	HQAM	72	0	21.10	21.28	21.25	22.5	0		
15	HQAM	1	0	20.12	21.28	21.21	22.5	0		
15	HQAM	1	36	21.14	21.23	21.40	22.5	0		
15	HQAM	1	74	20.30	20.21	20.30	22.5	0		
15	HQAM	36	0	20.41	20.28	20.20	21.5	1		
15	HQAM	36	36	20.34	20.31	20.25	21.5	1		
15	HQAM	72	0	20.33	20.27	20.22	21.5	1		
15	SSQAM	1	0	18.57	18.38	18.54	19.5	3		
15	SSQAM	1	36	18.58	18.58	18.58	19.5	3		
15	SSQAM	1	74	18.45	18.46	18.46	19.5	3		
15	SSQAM	36	0	18.47	18.37	18.44	19.5	3		
15	SSQAM	36	36	18.41	18.41	18.41	19.5	3		
15	SSQAM	72	0	18.46	18.43	18.41	19.5	3		
15	SSQAM	72	0	18.39	18.45	18.38	19.5	3		
Channel										
27710										
Frequency (MHz)										
3	QPSK	1	0	21.21	21.45	21.30	22.5	0		
3	QPSK	1	12	21.25	21.42	21.38	22.5	0		
3	QPSK	1	24	21.22	21.36	21.34	22.5	0		
3	QPSK	12	7	21.22	21.30	21.28	22.5	0		
3	QPSK	12	7	21.21	21.41	21.52	22.5	0		
3	QPSK	12	13	21.10	21.22	21.28	22.5	0		
3	QPSK	24	0	21.10	21.30	21.14	22.5	0		
3	HQAM	1	0	21.27	21.30	21.30	22.5	0		
3	HQAM	1	12	21.16	21.29	21.42	22.5	0		
3	HQAM	1	24	21.16	21.29	21.42	22.5	0		
3	HQAM	12	0	21.08	21.33	21.35	22.5	0		
3	HQAM	12	7	21.07	21.30	21.19	22.5	0		
3	HQAM	12	13	21.04	21.24	21.28	22.5	0		
3	HQAM	24	0	20.88	21.17	21.60	22.5	0		
3	HQAM	1	0	21.18	21.33	21.28	22.5	0		
3	HQAM	1	12	21.10	21.24	21.20	22.5	0		
3	HQAM	1	24	21.10	21.16	21.36	22.5	0		
3	HQAM	12	7	20.92	20.29	20.20	21.5	1		
3	HQAM	12	7	20.92	20.24	20.24	21.5	1		
3	HQAM	24	0	20.31	20.26	20.19	21.5	1		
3	SSQAM	1	0	18.53	18.45	18.57	19.5	3		
3	SSQAM	1	12	18.58	18.59	18.58	19.5	3		
3	SSQAM	1	24	18.43	18.59	18.58	19.5	3		
3	SSQAM	12	0	18.40	18.38	18.38	19.5	3		
3	SSQAM	12	7	18.41	18.47	18.41	19.5	3		
3	SSQAM	12	13	18.46	18.45	18.45	19.5	3		
3	SSQAM	24	0	18.39	18.40	18.41	19.5	3		
Channel										
27710										
Frequency (MHz)										
3	QPSK	1	0	21.30	21.44	21.30	22.5	0		
3	QPSK	1	6	21.21	21.42	21.37	22.5	0		
3	QPSK	1	14	21.16	21.36	21.31	22.5	0		
3	QPSK	6	0	21.14	21.38	21.33	22.5	0		
3	QPSK	6	4	21.17	21.38	21.59	22.5	0		
3	QPSK	15	0	21.11	21.22	21.22	22.5	0		
3	QPSK	15	0	21.13	21.28	21.18	22.5	0		
3	HQAM	1	0	21.28	21.37	21.38	22.5	0		
3	HQAM	1	6	21.18	21.38	21.45	22.5	0		
3	HQAM	1	14	21.15	21.25	21.42	22.5	0		
3	HQAM	6	0	21.02	21.32	21.28	22.5	0		
3	HQAM	6	4	21.06	21.30	21.25	22.5	0		
3	HQAM	6	7	21.13	21.18	21.20	22.5	0		
3	HQAM	15	0	20.88	21.25	21.60	22.5	0		
3	HQAM	1	0	21.12	21.34	21.31	22.5	0		
3	HQAM	1	6	21.11	21.27	21.28	22.5	0		
3	HQAM	1	14	21.13	21.20	21.35	22.5	0		
3	HQAM	6	0	20.38	20.22	20.30	21.5	1		
3	HQAM	6	4	20.39	20.29	20.19	21.5	1		
3	HQAM	6	7	20.39	20.33	20.27	21.5	1		
3	HQAM	15	0	20.31	20.31	20.21	21.5	1		
3	SSQAM	1	0	18.50	18.43	18.57	19.5	3		
3	SSQAM	1	6	18.60	18.59	18.61	19.5	3		
3	SSQAM	1	14	18.43	18.51	18.45	19.5	3		
3	SSQAM	6	0	18.43	18.35	18.42	19.5	3		
3	SSQAM	6	7	18.50	18.41	18.50	19.5	3		
3	SSQAM	15	0	18.46	18.39	18.38	19.5	3		
Channel										
27710										
Frequency (MHz)										
1.4	QPSK	1	0	21.27	21.38	21.30	22.5	0		
1.4	QPSK	1	3	21.25	21.35	21.38	22.5	0		
1.4	QPSK	1	6	21.22	21.28	21.30	22.5	0		
1.4	QPSK	3	0	21.21	21.39	21.34	22.5	0		
1.4	QPSK	3	1	21.14	21.31	21.25	22.5	0		
1.4	QPSK	6	0	21.18	21.31	21.31	22.5	0		
1.4	QPSK	6	0	21.12	21.31	21.21	22.5	0		
1.4	HQAM	1	0	21.18	21.38	21.32	22.5	0		
1.4	HQAM	1	3	21.17	21.43	21.37	22.5	0		
1.4	HQAM	1	6	21.13	21.25	21.30	22.5	0		
1.4	HQAM	3	0	21.08	21.29	21.34	22.5	0		
1.4	HQAM	3	1	21.14	21.28	21.19	22.5	0		
1.4	HQAM	3	3	21.14	21.24	21.28	22.5	0		
1.4	HQAM	6	0	21.00	21.18	21.12	22.5	0		
1.4	HQAM									



Band 66_Ant 2													
RF (MHz)	Modulation	RS	RB (MHz)	RB Offset	Power Low Ch/Freq	Power High Ch/Freq	Power High Ch/Freq	Turn-up time (sec)	MPR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	21.32	21.37	21.42							
20	QPSK	1	48	21.34	21.41	21.48		22.5	0				
20	QPSK	1	49	21.35	21.42	21.49							
20	QPSK	50	0	21.35	21.42	21.49							
20	QPSK	50	24	21.32	21.42	21.52		22.5	0				
20	QPSK	50	25	21.33	21.43	21.53							
20	QPSK	100	0	21.00	21.38	21.78							
20	16QAM	1	0	21.30	21.44	21.42		22.5	0				
20	16QAM	1	66	21.34	21.39	21.39							
20	16QAM	50	0	21.30	21.30	21.30							
20	16QAM	50	24	21.32	21.42	21.52		22.5	0				
20	16QAM	50	25	21.33	21.43	21.53							
20	16QAM	100	0	21.00	21.38	21.78							
20	16QAM	100	66	21.34	21.39	21.39							
20	16QAM	100	132	21.38	21.43	21.43							
20	16QAM	100	133	21.39	21.44	21.44							
20	16QAM	100	134	21.40	21.45	21.45							
20	16QAM	100	135	21.41	21.46	21.46							
20	16QAM	100	136	21.42	21.47	21.47							
20	16QAM	100	137	21.43	21.48	21.48							
20	16QAM	100	138	21.44	21.49	21.49							
20	16QAM	100	139	21.45	21.50	21.50							
20	16QAM	100	140	21.46	21.51	21.51							
20	16QAM	100	141	21.47	21.52	21.52							
20	16QAM	100	142	21.48	21.53	21.53							
20	16QAM	100	143	21.49	21.54	21.54							
20	16QAM	100	144	21.50	21.55	21.55							
20	16QAM	100	145	21.51	21.56	21.56							
20	16QAM	100	146	21.52	21.57	21.57							
20	16QAM	100	147	21.53	21.58	21.58							
20	16QAM	100	148	21.54	21.59	21.59							
20	16QAM	100	149	21.55	21.60	21.60							
20	16QAM	100	150	21.56	21.61	21.61							
20	16QAM	100	151	21.57	21.62	21.62							
20	16QAM	100	152	21.58	21.63	21.63							
20	16QAM	100	153	21.59	21.64	21.64							
20	16QAM	100	154	21.60	21.65	21.65							
20	16QAM	100	155	21.61	21.66	21.66							
20	16QAM	100	156	21.62	21.67	21.67							
20	16QAM	100	157	21.63	21.68	21.68							
20	16QAM	100	158	21.64	21.69	21.69							
20	16QAM	100	159	21.65	21.70	21.70							
20	16QAM	100	160	21.66	21.71	21.71							
20	16QAM	100	161	21.67	21.72	21.72							
20	16QAM	100	162	21.68	21.73	21.73							
20	16QAM	100	163	21.69	21.74	21.74							
20	16QAM	100	164	21.70	21.75	21.75							
20	16QAM	100	165	21.71	21.76	21.76							
20	16QAM	100	166	21.72	21.77	21.77							
20	16QAM	100	167	21.73	21.78	21.78							
20	16QAM	100	168	21.74	21.79	21.79							
20	16QAM	100	169	21.75	21.80	21.80							
20	16QAM	100	170	21.76	21.81	21.81							
20	16QAM	100	171	21.77	21.82	21.82							
20	16QAM	100	172	21.78	21.83	21.83							
20	16QAM	100	173	21.79	21.84	21.84							
20	16QAM	100	174	21.80	21.85	21.85							
20	16QAM	100	175	21.81	21.86	21.86							
20	16QAM	100	176	21.82	21.87	21.87							
20	16QAM	100	177	21.83	21.88	21.88							
20	16QAM	100	178	21.84	21.89	21.89							
20	16QAM	100	179	21.85	21.90	21.90							
20	16QAM	100	180	21.86	21.91	21.91							
20	16QAM	100	181	21.87	21.92	21.92							
20	16QAM	100	182	21.88	21.93	21.93							
20	16QAM	100	183	21.89	21.94	21.94							
20	16QAM	100	184	21.90	21.95	21.95							
20	16QAM	100	185	21.91	21.96	21.96							
20	16QAM	100	186	21.92	21.97	21.97							
20	16QAM	100	187	21.93	21.98	21.98							
20	16QAM	100	188	21.94	21.99	21.99							
20	16QAM	100	189	21.95	22.00	22.00							
20	16QAM	100	190	21.96	22.01	22.01							
20	16QAM	100	191	21.97	22.02	22.02							
20	16QAM	100	192	21.98	22.03	22.03							
20	16QAM	100	193	21.99	22.04	22.04							
20	16QAM	100	194	22.00	22.05	22.05							
20	16QAM	100	195	22.01	22.06	22.06							
20	16QAM	100	196	22.02	22.07	22.07							
20	16QAM	100	197	22.03	22.08	22.08							
20	16QAM	100	198	22.04	22.09	22.09							
20	16QAM	100	199	22.05	22.10	22.10							
20	16QAM	100	200	22.06	22.11	22.11							
20	16QAM	100	201	22.07	22.12	22.12							
20	16QAM	100	202	22.08	22.13	22.13							
20	16QAM	100	203	22.09	22.14	22.14							
20	16QAM	100	204	22.10	22.15	22.15							
20	16QAM	100	205	22.11	22.16	22.16							
20	16QAM	100	206	22.12	22.17	22.17							
20	16QAM	100	207	22.13	22.18	22.18							
20	16QAM	100	208	22.14	22.19	22.19							
20	16QAM	100	209	22.15	22.20	22.20							
20	16QAM	100	210	22.16	22.21	22.21							
20	16QAM	100	211	22.17	22.22	22.22							
20	16QAM	100	212	22.18	22.23	22.23							
20	16QAM	100	213	22.19	22.24	22.24							
20	16QAM	100	214	22.20	22.25	22.25							
20	16QAM	100	215	22.21	22.26	22.26							
20	16QAM	100	216	22.22	22.27	22.27							
20	16QAM	100	217	22.23	22.28	22.28							
20	16QAM	100	218	22.24	22.29	22.29							
20	16QAM	100	219	22.25	22.30	22.30							
20	16QAM	100	220	22.26	22.31	22.31							
20	16QAM	100	221	22.27	22.32	22.32							
20	16QAM	100	222	22.28	22.33	22.33							
20	16QAM	100	223	22.29	22.34	22.34							
20	16QAM	100	224	22.30	22.35	22.35							
20	16QAM	100	225	22.31	22.36	22.36							
20	16QAM	100	226	22.32	22.37	22.37							
20	16QAM	100	227	22.33	22.38	22.38							
20	16QAM	100	228	22.34	22.39	22.39							
20	16QAM	100	229	22.35	22.40	22.40							
20	16QAM	100	230	22.36	22.41	22.41							
20	16QAM	100	231	22.37	22.42	22.42							
20	16QAM	100	232	22.38	22.43	22.43							
20	16QAM	100	233	22.39	22.44	22.44							
20	16QAM	100	234	22.40	22.45	22.45							
20	16QAM	100	235	22.41	22.46	22.46							
20	16QAM	100	236	22.42	22.47	22.47							
20	16QAM	100	237	22.43	22.48	22.48							
20	16QAM	100	238	22.44	22.49	22.49							
20	16QAM	100	239	22.45	22.50	22.50							
20	16QAM	100	240	22.46	22.51	22.51							
20	16QAM	100	241	22.47	22.52	22.52							
20	16QAM	100	242	22.48	22.53	22.53							
20	16QAM	100	243	22.49	22.54	22.54							
20	16QAM	100	244	22.50	22.55	22.55							
20	16QAM	100	245	22.51	22.56	22.56							
20	16QAM	100	246	22.52	22.57	22.57							
20	16QAM	100	247	22.53	2								



Band 71_Ant 0										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (Freq.)	Power High Ch. (Freq.)	Power High Ch. (Freq.)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	0	23.73	23.85	23.77	24.5	0		
20	QPSK	1	48	23.87	23.78	23.71				
20	QPSK	1	48	23.72	23.75	23.80				
20	QPSK	50	0	23.48	23.58	23.51				
20	QPSK	50	24	23.45	23.52	23.50	23.5	1		
20	QPSK	50	48	23.42	23.54	23.48				
20	QPSK	100	0	22.42	22.48	22.38				
20	HQAM	1	0	22.71	22.78	22.68				
20	HQAM	24	0	22.70	22.74	22.70	23.5	1		
20	HQAM	1	48	22.74	22.77	22.74				
20	HQAM	50	0	21.50	21.55	21.49				
20	HQAM	50	24	21.48	21.53	21.49				
20	HQAM	50	50	21.44	21.54	21.51	22.5	2		
20	HQAM	100	0	21.49	21.58	21.47				
20	HQAM	1	48	21.45	21.71	21.66				
20	HQAM	1	48	21.52	21.68	21.65	22.5	2		
20	HQAM	1	99	21.58	21.68	21.62				
20	HQAM	50	0	20.38	20.39	20.34				
20	HQAM	50	24	20.35	20.37	20.35				
20	HQAM	50	50	20.49	20.34	20.47	21.5	3		
20	HQAM	100	0	20.39	20.45	20.38				
20	SSBAM	1	0	18.46	18.53	18.45				
20	SSBAM	1	48	18.43	18.48	18.43	19.5	5		
20	SSBAM	50	0	18.44	18.48	18.45				
20	SSBAM	50	0	18.42	18.48	18.41				
20	SSBAM	50	24	18.42	18.45	18.39	19.5	5		
20	SSBAM	50	50	18.46	18.48	18.37				
20	SSBAM	100	0	18.37	18.43	18.44				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.70	23.78	23.72	24.5	0		
15	QPSK	1	37	23.58	23.72	23.66				
15	QPSK	1	48	23.42	23.46	23.44	22.5	0		
15	QPSK	36	0	22.44	22.52	22.48				
15	QPSK	36	20	22.42	22.41	22.47	23.5	1		
15	QPSK	36	36	22.38	22.44	22.38				
15	QPSK	78	0	22.38	22.44	22.38				
15	HQAM	1	0	22.65	22.72	22.68				
15	HQAM	24	0	22.64	22.68	22.64	23.5	1		
15	HQAM	1	74	22.73	22.74	22.69				
15	HQAM	36	0	21.45	21.48	21.43				
15	HQAM	36	20	21.42	21.50	21.45	22.5	2		
15	HQAM	36	36	21.33	21.46	21.43				
15	HQAM	75	0	21.45	21.48	21.44				
15	HQAM	1	48	21.39	21.47	21.39				
15	HQAM	1	37	21.56	21.54	21.58	22.5	2		
15	HQAM	1	74	21.50	21.58	21.50				
15	HQAM	36	20	20.51	20.50	20.42				
15	HQAM	36	20	20.46	20.51	20.45	21.5	3		
15	HQAM	36	36	20.47	20.52	20.42				
15	HQAM	78	0	20.32	20.38	20.32				
15	SSBAM	1	0	18.47	18.45	18.52				
15	SSBAM	1	37	18.41	18.41	18.45	19.5	5		
15	SSBAM	36	0	18.44	18.43	18.43				
15	SSBAM	36	0	18.39	18.34	18.30				
15	SSBAM	36	20	18.41	18.44	18.40	19.5	5		
15	SSBAM	36	36	18.44	18.49	18.35				
15	SSBAM	78	0	18.44	18.43	18.39				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.69	23.74	23.68	24.5	0		
10	QPSK	1	25	23.59	23.74	23.64				
10	QPSK	1	48	23.42	23.46	23.44	22.5	0		
10	QPSK	24	0	22.44	22.52	22.52				
10	QPSK	25	12	22.41	22.51	22.47	23.5	1		
10	QPSK	24	24	22.40	22.38	22.40				
10	QPSK	50	0	22.35	22.39	22.33				
10	HQAM	1	0	22.68	22.67	22.64				
10	HQAM	24	0	22.63	22.67	22.66	23.5	1		
10	HQAM	1	48	22.67	22.71	22.66				
10	HQAM	25	0	21.45	21.43	21.44				
10	HQAM	25	12	21.38	21.53	21.47	22.5	2		
10	HQAM	25	24	21.35	21.45	21.50				
10	HQAM	50	0	21.42	21.44	21.41				
10	HQAM	1	0	21.81	21.60	21.61				
10	HQAM	1	25	21.55	21.66	21.58	22.5	2		
10	HQAM	1	48	21.51	21.59	21.59				
10	HQAM	25	0	20.49	20.54	20.47				
10	HQAM	25	12	20.45	20.51	20.49	21.5	3		
10	HQAM	25	25	20.43	20.48	20.43				
10	HQAM	50	0	20.35	20.43	20.28				
10	SSBAM	1	0	18.49	18.46	18.49				
10	SSBAM	1	25	18.40	18.41	18.42	19.5	5		
10	SSBAM	25	0	18.45	18.47	18.47				
10	SSBAM	25	0	18.42	18.42	18.38				
10	SSBAM	25	12	18.39	18.44	18.40	19.5	5		
10	SSBAM	25	25	18.44	18.49	18.45				
10	SSBAM	50	0	18.39	18.41	18.41				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.68	23.77	23.72	24.5	0		
5	QPSK	1	12	23.69	23.75	23.66				
5	QPSK	1	24	23.68	23.70	23.63	22.5	0		
5	QPSK	12	0	22.46	22.52	22.51				
5	QPSK	12	7	22.38	22.45	22.44	23.5	1		
5	QPSK	12	13	22.37	22.44	22.36				
5	QPSK	25	0	22.34	22.43	22.28				
5	HQAM	1	0	22.65	22.69	22.60				
5	HQAM	1	12	22.69	22.63	22.62	23.5	1		
5	HQAM	1	24	22.67	22.68	22.68				
5	HQAM	12	0	21.46	21.47	21.47				
5	HQAM	12	7	21.43	21.42	21.43	22.5	2		
5	HQAM	12	13	21.34	21.48	21.43				
5	HQAM	25	0	21.41	21.49	21.39				
5	HQAM	1	0	21.87	21.64	21.60				
5	HQAM	1	12	21.56	21.62	21.60	22.5	2		
5	HQAM	1	24	21.47	21.64	21.54				
5	HQAM	12	0	20.30	20.38	20.46				
5	HQAM	12	7	20.47	20.45	20.46	21.5	3		
5	HQAM	12	13	20.41	20.48	20.39				
5	HQAM	25	0	20.32	20.41	20.28				
5	SSBAM	1	0	18.50	18.45	18.49				
5	SSBAM	1	12	18.45	18.50	18.39	19.5	5		
5	SSBAM	12	0	18.46	18.47	18.51				
5	SSBAM	12	0	18.40	18.45	18.35				
5	SSBAM	12	7	18.41	18.39	18.39	19.5	5		
5	SSBAM	12	13	18.46	18.48	18.44				
5	SSBAM	25	0	18.44	18.41	18.42				

Band 71_Ant 1										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (Freq.)	Power High Ch. (Freq.)	Power High Ch. (Freq.)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.55	21.49	21.50	22.5	0		
20	QPSK	1	48	21.44	21.46	21.52				
20	QPSK	50	0	21.43	21.50	21.46	22.5	0		
20	QPSK	50	24	21.37	21.48	21.41				
20	QPSK	50	48	21.31	21.50	21.38	22.5	0		
20	QPSK	100	0	21.44	21.45	21.45				
20	HQAM	1	0	21.48	21.61	21.52				
20	HQAM	24	0	21.24	21.50	21.42	22.5	0		
20	HQAM	1	48	21.37	21.48	21.51				
20	HQAM	50	0	21.50	21.46	21.44				
20	HQAM	50	24	21.21	21.48	21.23	22.5	0		
20	HQAM	50	50	21.21	21.48	21.23				
20	HQAM	100	0	21.25	21.41	21.35				
20	HQAM	1	48	21.47	21.58	21				



Part 96_Band 48_Ant 3										
QTY (MHz)	Modulation	RF Chan	RF Chan	Power Low (Watts)	Power High (Watts)	Power High Ch. (Watts)	Turn-up (dB)	Agmt (dB)	Agmt (dB)	Agmt (dB)
Channel										
Frequency (MHz)										
20	OFDM	1	8	18.75	20.11	19.93	20.11	21.5	0	
20	OFDM	1	8	18.82	20.18	19.99	20.18	21.5	0	
20	OFDM	1	8	18.89	20.25	19.99	20.25	21.5	0	
20	OFDM	1	8	18.96	20.32	19.99	20.32	21.5	0	
20	OFDM	1	8	19.03	20.39	19.99	20.39	21.5	0	
20	OFDM	1	8	19.10	20.46	19.99	20.46	21.5	0	
20	OFDM	1	8	19.17	20.53	19.99	20.53	21.5	0	
20	OFDM	1	8	19.24	20.60	19.99	20.60	21.5	0	
20	OFDM	1	8	19.31	20.67	19.99	20.67	21.5	0	
20	OFDM	1	8	19.38	20.74	19.99	20.74	21.5	0	
20	OFDM	1	8	19.45	20.81	19.99	20.81	21.5	0	
20	OFDM	1	8	19.52	20.88	19.99	20.88	21.5	0	
20	OFDM	1	8	19.59	20.95	19.99	20.95	21.5	0	
20	OFDM	1	8	19.66	21.02	19.99	21.02	21.5	0	
20	OFDM	1	8	19.73	21.09	19.99	21.09	21.5	0	
20	OFDM	1	8	19.80	21.16	19.99	21.16	21.5	0	
20	OFDM	1	8	19.87	21.23	19.99	21.23	21.5	0	
20	OFDM	1	8	19.94	21.30	19.99	21.30	21.5	0	
20	OFDM	1	8	20.01	21.37	19.99	21.37	21.5	0	
20	OFDM	1	8	20.08	21.44	19.99	21.44	21.5	0	
20	OFDM	1	8	20.15	21.51	19.99	21.51	21.5	0	
20	OFDM	1	8	20.22	21.58	19.99	21.58	21.5	0	
20	OFDM	1	8	20.29	21.65	19.99	21.65	21.5	0	
20	OFDM	1	8	20.36	21.72	19.99	21.72	21.5	0	
20	OFDM	1	8	20.43	21.79	19.99	21.79	21.5	0	
20	OFDM	1	8	20.50	21.86	19.99	21.86	21.5	0	
20	OFDM	1	8	20.57	21.93	19.99	21.93	21.5	0	
20	OFDM	1	8	20.64	22.00	19.99	22.00	21.5	0	
20	OFDM	1	8	20.71	22.07	19.99	22.07	21.5	0	
20	OFDM	1	8	20.78	22.14	19.99	22.14	21.5	0	
20	OFDM	1	8	20.85	22.21	19.99	22.21	21.5	0	
20	OFDM	1	8	20.92	22.28	19.99	22.28	21.5	0	
20	OFDM	1	8	20.99	22.35	19.99	22.35	21.5	0	
20	OFDM	1	8	21.06	22.42	19.99	22.42	21.5	0	
20	OFDM	1	8	21.13	22.49	19.99	22.49	21.5	0	
20	OFDM	1	8	21.20	22.56	19.99	22.56	21.5	0	
20	OFDM	1	8	21.27	22.63	19.99	22.63	21.5	0	
20	OFDM	1	8	21.34	22.70	19.99	22.70	21.5	0	
20	OFDM	1	8	21.41	22.77	19.99	22.77	21.5	0	
20	OFDM	1	8	21.48	22.84	19.99	22.84	21.5	0	
20	OFDM	1	8	21.55	22.91	19.99	22.91	21.5	0	
20	OFDM	1	8	21.62	22.98	19.99	22.98	21.5	0	
20	OFDM	1	8	21.69	23.05	19.99	23.05	21.5	0	
20	OFDM	1	8	21.76	23.12	19.99	23.12	21.5	0	
20	OFDM	1	8	21.83	23.19	19.99	23.19	21.5	0	
20	OFDM	1	8	21.90	23.26	19.99	23.26	21.5	0	
20	OFDM	1	8	21.97	23.33	19.99	23.33	21.5	0	
20	OFDM	1	8	22.04	23.40	19.99	23.40	21.5	0	
20	OFDM	1	8	22.11	23.47	19.99	23.47	21.5	0	
20	OFDM	1	8	22.18	23.54	19.99	23.54	21.5	0	
20	OFDM	1	8	22.25	23.61	19.99	23.61	21.5	0	
20	OFDM	1	8	22.32	23.68	19.99	23.68	21.5	0	
20	OFDM	1	8	22.39	23.75	19.99	23.75	21.5	0	
20	OFDM	1	8	22.46	23.82	19.99	23.82	21.5	0	
20	OFDM	1	8	22.53	23.89	19.99	23.89	21.5	0	
20	OFDM	1	8	22.60	23.96	19.99	23.96	21.5	0	
20	OFDM	1	8	22.67	24.03	19.99	24.03	21.5	0	
20	OFDM	1	8	22.74	24.10	19.99	24.10	21.5	0	
20	OFDM	1	8	22.81	24.17	19.99	24.17	21.5	0	
20	OFDM	1	8	22.88	24.24	19.99	24.24	21.5	0	
20	OFDM	1	8	22.95	24.31	19.99	24.31	21.5	0	
20	OFDM	1	8	23.02	24.38	19.99	24.38	21.5	0	
20	OFDM	1	8	23.09	24.45	19.99	24.45	21.5	0	
20	OFDM	1	8	23.16	24.52	19.99	24.52	21.5	0	
20	OFDM	1	8	23.23	24.59	19.99	24.59	21.5	0	
20	OFDM	1	8	23.30	24.66	19.99	24.66	21.5	0	
20	OFDM	1	8	23.37	24.73	19.99	24.73	21.5	0	
20	OFDM	1	8	23.44	24.80	19.99	24.80	21.5	0	
20	OFDM	1	8	23.51	24.87	19.99	24.87	21.5	0	
20	OFDM	1	8	23.58	24.94	19.99	24.94	21.5	0	
20	OFDM	1	8	23.65	25.01	19.99	25.01	21.5	0	
20	OFDM	1	8	23.72	25.08	19.99	25.08	21.5	0	
20	OFDM	1	8	23.79	25.15	19.99	25.15	21.5	0	
20	OFDM	1	8	23.86	25.22	19.99	25.22	21.5	0	
20	OFDM	1	8	23.93	25.29	19.99	25.29	21.5	0	
20	OFDM	1	8	24.00	25.36	19.99	25.36	21.5	0	
20	OFDM	1	8	24.07	25.43	19.99	25.43	21.5	0	
20	OFDM	1	8	24.14	25.50	19.99	25.50	21.5	0	
20	OFDM	1	8	24.21	25.57	19.99	25.57	21.5	0	
20	OFDM	1	8	24.28	25.64	19.99	25.64	21.5	0	
20	OFDM	1	8	24.35	25.71	19.99	25.71	21.5	0	
20	OFDM	1	8	24.42	25.78	19.99	25.78	21.5	0	
20	OFDM	1	8	24.49	25.85	19.99	25.85	21.5	0	
20	OFDM	1	8	24.56	25.92	19.99	25.92	21.5	0	
20	OFDM	1	8	24.63	25.99	19.99	25.99	21.5	0	
20	OFDM	1	8	24.70	26.06	19.99	26.06	21.5	0	
20	OFDM	1	8	24.77	26.13	19.99	26.13	21.5	0	
20	OFDM	1	8	24.84	26.20	19.99	26.20	21.5	0	
20	OFDM	1	8	24.91	26.27	19.99	26.27	21.5	0	
20	OFDM	1	8	24.98	26.34	19.99	26.34	21.5	0	
20	OFDM	1	8	25.05	26.41	19.99	26.41	21.5	0	
20	OFDM	1	8	25.12	26.48	19.99	26.48	21.5	0	
20	OFDM	1	8	25.19	26.55	19.99	26.55	21.5	0	
20	OFDM	1	8	25.26	26.62	19.99	26.62	21.5	0	
20	OFDM	1	8	25.33	26.69	19.99	26.69	21.5	0	
20	OFDM	1	8	25.40	26.76	19.99	26.76	21.5	0	
20	OFDM	1	8	25.47	26.83	19.99	26.83	21.5	0	
20	OFDM	1	8	25.54	26.90	19.99	26.90	21.5	0	
20	OFDM	1	8	25.61	26.97	19.99	26.97	21.5	0	
20	OFDM	1	8	25.68	27.04	19.99	27.04	21.5	0	
20	OFDM	1	8	25.75	27.11	19.99	27.11	21.5	0	
20	OFDM	1	8	25.82	27.18	19.99	27.18	21.5	0	
20	OFDM	1	8	25.89	27.25	19.99	27.25	21.5	0	
20	OFDM	1	8	25.96	27.32	19.99	27.32	21.5	0	
20	OFDM	1	8	26.03	27.39	19.99	27.39	21.5	0	
20	OFDM	1	8	26.10	27.46	19.99	27.46	21.5	0	
20	OFDM	1	8	26.17	27.53	19.99	27.53	21.5	0	
20	OFDM	1	8	26.24	27.60	19.99	27.60	21.5	0	
20	OFDM	1	8	26.31	27.67	19.99	27.67	21.5	0	
20	OFDM	1	8	26.38	27.74	19.99	27.74	21.5	0	
20	OFDM	1	8	26.45	27.81	19.99	27.81	21.5	0	
20	OFDM	1	8	26.52	27.88	19.99	27.88	21.5	0	
20	OFDM	1	8	26.59	27.95	19.99	27.95	21.5	0	
20	OFDM	1	8	26.66	28.02	19.99	28.02	21.5	0	
20	OFDM	1	8	26.73	28.09	19.99	28.09	21.5	0	
20	OFDM	1	8	26.80	28.16	19.99	28.16	21.5	0	
20	OFDM	1	8	26.87	28.23	19.99	28.23	21.5	0	
20	OFDM	1	8	26.94	28.30	19.99				



DSI 15 Power

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	180	189		251	524.2	536.4		548.8
Frequency (MHz)	824.2	836.4	848.8	524.2	536.4	548.8			
GSM 1 Tx slot	32.45	32.61	32.79	33.50	23.45	23.61	23.79	24.50	
GPRS 1 Tx slot	32.44	32.59	32.72	33.50	23.44	23.59	23.72	24.50	
GPRS 2 Tx slots	29.27	29.46	29.60	30.50	23.27	23.46	23.60	24.50	
GPRS 3 Tx slots	27.55	27.72	27.85	28.70	23.29	23.46	23.59	24.44	
GPRS 4 Tx slots	26.33	26.51	26.49	27.50	23.33	23.51	23.49	24.50	
EDGE 1 Tx slot	26.67	26.84	26.35	27.50	17.67	17.64	17.35	18.50	
EDGE 2 Tx slots	23.85	23.91	23.51	25.00	17.95	17.91	17.51	19.00	
EDGE 3 Tx slots	22.01	22.23	21.98	23.20	17.75	17.97	17.72	18.94	
EDGE 4 Tx slots	20.76	20.88	20.53	22.00	17.78	17.88	17.53	19.00	
DTM Multi-slot class 5	GSM 1 Tx slot	29.08	29.27	29.39	30.50				
	GPRS 1 Tx slot	29.12	29.30	29.33	30.50	23.08	23.26	23.34	24.48
DTM Multi-slot class 9	GSM 1 Tx slot	29.00	29.33	29.41	30.50	23.00	23.24	23.34	24.48
	GPRS 1 Tx slot	29.05	29.19	29.32	30.50				
DTM Multi-slot class 11	GSM 1 Tx slot	27.26	27.48	27.69	28.70	23.04	23.25	23.41	24.44
	GPRS 2 Tx slots	27.32	27.52	27.68	28.70				
DTM Multi-slot class 5	GSM 1 Tx slot	29.10	29.27	29.45	30.50	21.16	21.31	21.36	22.55
	EDGE 1 Tx slot	23.65	23.75	23.28	25.00				
GPRS 2 Tx slots	28.10	29.33	29.46	30.50					
EDGE 1 Tx slot	23.74	23.78	23.28	25.00	21.18	21.37	21.36	22.55	
DTM Multi-slot class 11	GSM 1 Tx slot	27.27	27.48	27.68	28.70	20.17	20.41	20.42	21.61
	EDGE 2 Tx slots	21.75	22.04	21.76	23.20				

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	1650.2	1680		1909.8
Frequency (MHz)	1850.2	1880	1909.8	1650.2	1680	1909.8			
GSM 1 Tx slot	29.83	29.45	29.67	30.50	20.83	20.45	20.67	21.50	
GPRS 1 Tx slot	29.74	29.44	29.76	30.50	20.74	20.44	20.76	21.50	
GPRS 2 Tx slots	26.50	26.68	26.55	27.50	20.50	20.68	20.55	21.50	
GPRS 3 Tx slots	24.83	24.67	24.77	25.70	20.57	20.41	20.51	21.44	
GPRS 4 Tx slots	23.06	23.09	23.07	24.50	20.06	20.09	20.07	21.50	
EDGE 1 Tx slot	26.48	26.28	26.55	27.50	17.48	17.28	17.55	18.00	
EDGE 2 Tx slots	23.38	23.38	23.28	24.00	17.36	17.38	17.28	18.00	
EDGE 3 Tx slots	21.50	21.63	21.42	22.00	17.24	17.37	17.16	17.94	
EDGE 4 Tx slots	20.14	20.02	20.01	21.00	17.14	17.02	17.01	18.00	
DTM Multi-slot class 5	GSM 1 Tx slot	28.20	28.40	28.25	27.50	20.23	20.40	20.22	21.48
	GPRS 1 Tx slot	28.30	28.45	28.24	27.50				
DTM Multi-slot class 9	GSM 1 Tx slot	26.33	26.42	26.35	27.50	20.30	20.46	20.30	21.48
	GPRS 1 Tx slot	26.31	26.55	26.30	27.50				
DTM Multi-slot class 11	GSM 1 Tx slot	24.58	24.45	24.59	25.70	20.34	20.26	20.29	21.44
	GPRS 2 Tx slots	24.61	24.55	24.54	25.70				
DTM Multi-slot class 5	GSM 1 Tx slot	26.34	26.51	26.26	27.50	18.99	19.12	18.95	20.07
	EDGE 1 Tx slot	23.09	23.12	23.13	24.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.32	26.44	26.36	27.50	19.00	19.09	19.01	20.07
	EDGE 1 Tx slot	23.16	23.18	23.10	24.00				
DTM Multi-slot class 11	GSM 1 Tx slot	24.61	24.41	24.49	25.70	18.44	18.40	18.36	19.44
	EDGE 2 Tx slots	21.29	21.43	21.25	22.20				

Band	TX Channel	WCDMA V_Ant 2			Tune-up Limit (dBm)	WCDMA V_Ant 3			Tune-up Limit (dBm)
		9262	9400	9538		5262	5400	9538	
Rx Channel	9602	9800	9938	5602	9800	9938			
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1880	1907.6			
3GPP Rel 99	AMR 12.2Kbps	21.28	21.33	21.10	22.00	24.60	24.66	24.55	26.00
3GPP Rel 99	RMC 12.2Kbps	21.31	21.35	21.17	22.00	24.61	24.67	24.56	26.00
3GPP Rel 6	HSDPA Subtest-1	20.22	20.09	20.17	21.00	23.73	23.76	23.64	24.00
3GPP Rel 6	HSDPA Subtest-2	20.19	20.11	20.26	21.00	23.69	23.73	23.56	24.00
3GPP Rel 6	HSDPA Subtest-3	19.61	19.60	19.68	20.50	23.28	23.19	23.17	23.50
3GPP Rel 6	HSDPA Subtest-4	19.65	19.61	19.67	20.50	23.21	23.18	23.36	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	19.58	19.62	19.65	21.00	22.63	22.68	22.67	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	19.60	19.62	19.58	21.00	22.61	22.66	22.65	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	19.07	19.04	19.11	20.50	21.97	22.01	22.00	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.07	19.14	19.04	20.50	21.98	22.02	22.00	23.50
3GPP Rel 6	HSUPA Subtest-1	20.27	20.26	20.22	21.00	23.73	23.77	23.84	24.00
3GPP Rel 6	HSUPA Subtest-2	18.23	18.27	18.18	19.00	21.78	21.74	21.88	22.00
3GPP Rel 6	HSUPA Subtest-3	19.20	19.22	19.19	20.00	22.71	22.75	22.84	23.00
3GPP Rel 6	HSUPA Subtest-4	18.15	18.30	18.15	19.00	21.74	21.73	21.85	22.00
3GPP Rel 6	HSUPA Subtest-5	20.19	20.28	20.27	21.00	23.80	23.70	23.90	24.00

Band	TX Channel	WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
		4132	4182	4233		4132	4182	4233	
Rx Channel	4357	4407	4458	4357	4407	4458			
Frequency (MHz)	826.4	836.4	846.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	24.15	24.17	24.13	25.00	24.22	24.23	24.14	26.00
3GPP Rel 99	RMC 12.2Kbps	24.16	24.19	24.18	25.00	24.25	24.26	24.16	26.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.11	23.05	24.00	23.18	23.18	23.14	24.00
3GPP Rel 6	HSDPA Subtest-2	23.15	23.12	23.05	24.00	23.20	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.63	22.58	23.50	22.71	22.69	22.61	23.50
3GPP Rel 6	HSDPA Subtest-4	22.68	22.60	22.55	23.50	22.71	22.67	22.63	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.90	22.93	22.91	24.00	22.78	22.82	22.80	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.88	22.82	22.90	24.00	22.76	22.77	22.76	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.38	22.41	22.40	23.50	22.28	22.29	22.28	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.35	22.39	22.38	23.50	22.23	22.27	22.24	23.50
3GPP Rel 6	HSUPA Subtest-1	23.08	23.09	23.10	24.00	23.16	23.16	23.14	24.00
3GPP Rel 6	HSUPA Subtest-2	21.15	21.07	21.01	22.00	21.14	21.16	21.09	22.00
3GPP Rel 6	HSUPA Subtest-3	22.05	22.11	22.03	23.00	22.17	22.16	22.11	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.04	21.01	22.00	21.13	21.15	21.08	22.00
3GPP Rel 6	HSUPA Subtest-5	23.10	23.10	23.00	24.00	23.10	23.20	23.10	24.00

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	169		251	524.2	536.4		548.8
Frequency (MHz)	824.2	836.4	848.8	524.2	536.4	548.8			
GSM 1 Tx slot	32.32	32.36	32.47	33.50	23.32	23.36	23.47	24.50	
GPRS 1 Tx slot	32.30	32.35	32.44	33.50	23.30	23.35	23.44	24.50	
GPRS 2 Tx slots	29.14	29.19	29.27	30.50	23.14	23.19	23.27	24.50	
GPRS 3 Tx slots	27.44	27.45	27.49	28.70	23.18	23.19	23.23	24.44	
GPRS 4 Tx slots	26.23	26.24	26.12	27.50	23.23	23.24	23.12	24.50	
EDGE 1 Tx slot	26.72	26.89	26.53	27.50	17.72	17.89	17.53	18.50	
EDGE 2 Tx slots	23.73	23.88	23.66	25.00	17.73	17.88	17.66	19.00	
EDGE 3 Tx slots	21.97	22.04	21.84	23.20	17.71	17.76	17.58	18.94	
EDGE 4 Tx slots	20.61	20.65	20.53	22.00	17.61	17.65	17.53	19.00	
DTM Multi-slot class 5	GSM 1 Tx slot	29.99	29.84	29.02	30.50	22.96	22.95	23.04	24.48
	GPRS 1 Tx slot	29.98	29.01	29.11	30.50				
DTM Multi-slot class 9	GSM 1 Tx slot	28.91	28.91	29.15	30.50	22.89	22.93	23.08	24.48
	GPRS 1 Tx slot	28.92	28.99	29.06	30.50				
DTM Multi-slot class 11	GSM 1 Tx slot	27.24	27.17	27.26	28.70	22.97	23.00	23.02	24.44
	GPRS 2 Tx slots	27.22	27.30	27.28	28.70				
DTM Multi-slot class 5	GSM 1 Tx slot	28.93	28.98	29.04	30.50	21.01	21.09	21.09	22.55
	EDGE 1 Tx slot	23.59	23.75	23.55	25.00				
GPRS 1 Tx slot	28.85	29.00	29.09	30.50					
DTM Multi-slot class 9	GSM 1 Tx slot	23.50	23.65	23.43	25.00	20.93	21.08	21.10	22.55
	EDGE 1 Tx slot	27.31	27.22						



Band 2_Ant 2									
RV (MHz)	Modulation	RS	RS Ch/Sec	Power Low Ch/Sec	Power High Ch/Sec	Power High Ch/Sec	Turn-up time (sec)	MPR (dB)	LPF (MHz)
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.35	20.35	20.37			
20	QPSK	1	48	20.79	20.81	20.81	22	0	
20	QPSK	1	96	21.23	21.25	21.25			
20	QPSK	50	0	21.67	21.68	21.70			
20	QPSK	50	24	22.11	22.12	22.14	22	0	
20	QPSK	50	48	22.55	22.56	22.58			
20	QPSK	100	0	22.99	23.00	23.02			
20	QPSK	100	24	23.43	23.44	23.46	22	0	
20	QPSK	100	48	23.87	23.88	23.90			
20	QPSK	100	72	24.31	24.32	24.34	22	0	
20	QPSK	100	96	24.75	24.76	24.78			
20	QPSK	100	120	25.19	25.20	25.22	22	0	
20	QPSK	100	144	25.63	25.64	25.66			
20	QPSK	100	168	26.07	26.08	26.10	22	0	
20	QPSK	100	192	26.51	26.52	26.54			
20	QPSK	100	216	26.95	26.96	26.98	22	0	
20	QPSK	100	240	27.39	27.40	27.42			
20	QPSK	100	264	27.83	27.84	27.86	22	0	
20	QPSK	100	288	28.27	28.28	28.30			
20	QPSK	100	312	28.71	28.72	28.74	22	0	
20	QPSK	100	336	29.15	29.16	29.18			
20	QPSK	100	360	29.59	29.60	29.62	22	0	
20	QPSK	100	384	30.03	30.04	30.06			
20	QPSK	100	408	30.47	30.48	30.50	22	0	
20	QPSK	100	432	30.91	30.92	30.94			
20	QPSK	100	456	31.35	31.36	31.38	22	0	
20	QPSK	100	480	31.79	31.80	31.82			
20	QPSK	100	504	32.23	32.24	32.26	22	0	
20	QPSK	100	528	32.67	32.68	32.70			
20	QPSK	100	552	33.11	33.12	33.14	22	0	
20	QPSK	100	576	33.55	33.56	33.58			
20	QPSK	100	600	33.99	34.00	34.02	22	0	
20	QPSK	100	624	34.43	34.44	34.46			
20	QPSK	100	648	34.87	34.88	34.90	22	0	
20	QPSK	100	672	35.31	35.32	35.34			
20	QPSK	100	696	35.75	35.76	35.78	22	0	
20	QPSK	100	720	36.19	36.20	36.22			
20	QPSK	100	744	36.63	36.64	36.66	22	0	
20	QPSK	100	768	37.07	37.08	37.10			
20	QPSK	100	792	37.51	37.52	37.54	22	0	
20	QPSK	100	816	37.95	37.96	37.98			
20	QPSK	100	840	38.39	38.40	38.42	22	0	
20	QPSK	100	864	38.83	38.84	38.86			
20	QPSK	100	888	39.27	39.28	39.30	22	0	
20	QPSK	100	912	39.71	39.72	39.74			
20	QPSK	100	936	40.15	40.16	40.18	22	0	
20	QPSK	100	960	40.59	40.60	40.62			
20	QPSK	100	984	41.03	41.04	41.06	22	0	
20	QPSK	100	1008	41.47	41.48	41.50			
20	QPSK	100	1032	41.91	41.92	41.94	22	0	
20	QPSK	100	1056	42.35	42.36	42.38			
20	QPSK	100	1080	42.79	42.80	42.82	22	0	
20	QPSK	100	1104	43.23	43.24	43.26			
20	QPSK	100	1128	43.67	43.68	43.70	22	0	
20	QPSK	100	1152	44.11	44.12	44.14			
20	QPSK	100	1176	44.55	44.56	44.58	22	0	
20	QPSK	100	1200	44.99	45.00	45.02			
20	QPSK	100	1224	45.43	45.44	45.46	22	0	
20	QPSK	100	1248	45.87	45.88	45.90			
20	QPSK	100	1272	46.31	46.32	46.34	22	0	
20	QPSK	100	1296	46.75	46.76	46.78			
20	QPSK	100	1320	47.19	47.20	47.22	22	0	
20	QPSK	100	1344	47.63	47.64	47.66			
20	QPSK	100	1368	48.07	48.08	48.10	22	0	
20	QPSK	100	1392	48.51	48.52	48.54			
20	QPSK	100	1416	48.95	48.96	48.98	22	0	
20	QPSK	100	1440	49.39	49.40	49.42			
20	QPSK	100	1464	49.83	49.84	49.86	22	0	
20	QPSK	100	1488	50.27	50.28	50.30			
20	QPSK	100	1512	50.71	50.72	50.74	22	0	
20	QPSK	100	1536	51.15	51.16	51.18			
20	QPSK	100	1560	51.59	51.60	51.62	22	0	
20	QPSK	100	1584	52.03	52.04	52.06			
20	QPSK	100	1608	52.47	52.48	52.50	22	0	
20	QPSK	100	1632	52.91	52.92	52.94			
20	QPSK	100	1656	53.35	53.36	53.38	22	0	
20	QPSK	100	1680	53.79	53.80	53.82			
20	QPSK	100	1704	54.23	54.24	54.26	22	0	
20	QPSK	100	1728	54.67	54.68	54.70			
20	QPSK	100	1752	55.11	55.12	55.14	22	0	
20	QPSK	100	1776	55.55	55.56	55.58			
20	QPSK	100	1800	55.99	56.00	56.02	22	0	
20	QPSK	100	1824	56.43	56.44	56.46			
20	QPSK	100	1848	56.87	56.88	56.90	22	0	
20	QPSK	100	1872	57.31	57.32	57.34			
20	QPSK	100	1896	57.75	57.76	57.78	22	0	
20	QPSK	100	1920	58.19	58.20	58.22			
20	QPSK	100	1944	58.63	58.64	58.66	22	0	
20	QPSK	100	1968	59.07	59.08	59.10			
20	QPSK	100	1992	59.51	59.52	59.54	22	0	
20	QPSK	100	2016	59.95	59.96	59.98			
20	QPSK	100	2040	60.39	60.40	60.42	22	0	
20	QPSK	100	2064	60.83	60.84	60.86			
20	QPSK	100	2088	61.27	61.28	61.30	22	0	
20	QPSK	100	2112	61.71	61.72	61.74			
20	QPSK	100	2136	62.15	62.16	62.18	22	0	
20	QPSK	100	2160	62.59	62.60	62.62			
20	QPSK	100	2184	63.03	63.04	63.06	22	0	
20	QPSK	100	2208	63.47	63.48	63.50			
20	QPSK	100	2232	63.91	63.92	63.94	22	0	
20	QPSK	100	2256	64.35	64.36	64.38			
20	QPSK	100	2280	64.79	64.80	64.82	22	0	
20	QPSK	100	2304	65.23	65.24	65.26			
20	QPSK	100	2328	65.67	65.68	65.70	22	0	
20	QPSK	100	2352	66.11	66.12	66.14			
20	QPSK	100	2376	66.55	66.56	66.58	22	0	
20	QPSK	100	2400	66.99	67.00	67.02			
20	QPSK	100	2424	67.43	67.44	67.46	22	0	
20	QPSK	100	2448	67.87	67.88	67.90			
20	QPSK	100	2472	68.31	68.32	68.34	22	0	
20	QPSK	100	2496	68.75	68.76	68.78			
20	QPSK	100	2520	69.19	69.20	69.22	22	0	
20	QPSK	100	2544	69.63	69.64	69.66			
20	QPSK	100	2568	70.07	70.08	70.10	22	0	
20	QPSK	100	2592	70.51	70.52	70.54			
20	QPSK	100	2616	70.95	70.96	70.98	22	0	
20	QPSK	100	2640	71.39	71.40	71.42			
20	QPSK	100	2664	71.83	71.84	71.86	22	0	
20	QPSK	100	2688	72.27	72.28	72.30			
20	QPSK	100	2712	72.71	72.72	72.74	22	0	
20	QPSK	100	2736	73.15	73.16	73.18			
20	QPSK	100	2760	73.59	73.60	73.62	22	0	
20	QPSK	100	2784	74.03	74.04	74.06			
20	QPSK	100	2808	74.47	74.48	74.50	22	0	
20	QPSK	100	2832	74.91	74.92	74.94			
20	QPSK	100	2856	75.35	75.36	75.38	22	0	
20	QPSK	100	2880	75.79	75.80	75.82			
20	QPSK	100	2904	76.23	76.24	76.26	22	0	
20	QPSK	100	2928	76.67	76.68	76.70			
20	QPSK	100	2952	77.11	77.12	77.14	22	0	
20	QPSK	100	2976	77.55	77.5				



Band 4_Ant 4										
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)	LFPR (dB)	
Channel: 11200, 20175, 20350										
Frequency (MHz)										
20	QPSK	1	0	22.53	22.57	22.41				
20	QPSK	1	48	22.51	22.58	22.41	23.5	0		
20	QPSK	1	0	22.52	22.52	22.41				
20	QPSK	50	0	22.51	22.58	22.42				
20	QPSK	50	24	22.50	22.62	22.41	23.5	0		
20	QPSK	50	24	22.52	22.52	22.41				
20	QPSK	100	0	22.47	22.53	22.48				
20	HEGAM	1	0	22.56	22.56	22.57	23.5	0		
20	HEGAM	50	0	22.50	22.50	22.50				
20	HEGAM	1	96	22.56	22.59	22.48				
20	HEGAM	50	0	21.46	21.38	21.41				
20	HEGAM	100	0	21.50	21.51	21.48	22.5	1		
20	HEGAM	50	0	21.47	21.46	21.47				
20	HEGAM	100	0	21.47	21.47	21.46				
20	HEGAM	1	48	21.58	21.52	21.59	22.5	1		
20	HEGAM	1	96	21.58	21.56	21.41				
20	HEGAM	50	0	20.59	20.61	20.49				
20	HEGAM	50	24	20.57	20.58	20.52	21.5	2		
20	HEGAM	50	24	20.59	20.61	20.49				
20	HEGAM	50	24	20.53	20.43	20.43				
20	HEGAM	1	0	18.48	18.48	18.37				
20	HEGAM	1	48	18.53	18.42	18.42	19.5	4		
20	HEGAM	1	96	18.53	18.42	18.42				
20	HEGAM	50	0	18.43	18.48	18.37				
20	HEGAM	50	24	18.53	18.48	18.37	19.5	4		
20	HEGAM	50	24	18.53	18.48	18.37				
20	HEGAM	100	0	18.48	18.48	18.43				
Channel: 20200, 20175, 20350										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.47				
15	QPSK	1	37	22.51	22.48	22.29	23.5	0		
15	QPSK	1	0	22.47	22.47	22.41				
15	QPSK	36	0	22.46	22.51	22.43				
15	QPSK	36	20	22.44	22.50	22.41	23.5	0		
15	QPSK	36	20	22.47	22.47	22.41				
15	QPSK	72	0	22.38	22.31	22.38				
15	HEGAM	1	0	22.44	22.48	22.46	23.5	0		
15	HEGAM	1	24	22.44	22.52	22.31				
15	HEGAM	36	0	21.46	21.51	21.46	22.5	1		
15	HEGAM	36	24	21.47	21.52	21.46				
15	HEGAM	72	0	21.45	21.53	21.37				
15	HEGAM	72	24	21.45	21.70	21.46				
15	HEGAM	1	37	21.48	21.49	21.38	22.5	1		
15	HEGAM	1	74	21.46	21.51	21.37				
15	HEGAM	36	0	20.56	20.57	20.42				
15	HEGAM	36	20	20.56	20.55	20.42	21.5	2		
15	HEGAM	36	20	20.56	20.55	20.42				
15	HEGAM	1	0	18.44	18.48	18.42				
15	HEGAM	1	37	18.49	18.47	18.45	19.5	4		
15	HEGAM	1	74	18.47	18.36	18.45				
15	HEGAM	36	0	18.38	18.40	18.46				
15	HEGAM	36	20	18.42	18.42	18.46	19.5	5		
15	HEGAM	36	20	18.42	18.42	18.46				
15	HEGAM	72	0	18.42	18.44	18.44				
Channel: 20200, 20175, 20350										
Frequency (MHz)										
10	QPSK	1	0	22.82	22.83	22.84	24.5	0		
10	QPSK	1	28	22.74	22.87	22.84				
10	QPSK	1	0	22.82	22.83	22.84				
10	QPSK	24	0	22.88	22.88	22.85				
10	QPSK	24	12	22.87	22.88	22.85	23.5	1		
10	QPSK	24	12	22.82	22.82	22.84				
10	QPSK	50	0	22.86	22.86	22.87				
10	HEGAM	1	0	22.08	22.20	22.15	23.5	1		
10	HEGAM	1	24	22.08	22.23	22.15				
10	HEGAM	1	48	22.13	22.01	22.06				
10	HEGAM	24	0	21.78	21.83	21.95				
10	HEGAM	24	12	21.87	21.82	21.92	22.5	2		
10	HEGAM	24	24	21.83	21.87	21.85				
10	HEGAM	50	0	21.99	21.86	21.94				
10	HEGAM	50	24	21.78	21.83	21.87	22.5	2		
10	HEGAM	1	28	21.79	21.67	21.68				
10	HEGAM	1	48	21.76	21.76	21.76				
10	HEGAM	1	96	21.77	21.76	21.76	21.5	3		
10	HEGAM	24	0	20.56	20.79	20.77				
10	HEGAM	24	12	20.57	20.76	20.77	21.5	3		
10	HEGAM	24	12	20.53	20.74	20.77				
10	HEGAM	1	0	18.39	18.41	18.41				
10	HEGAM	1	20	18.42	18.48	18.42	19.5	5		
10	HEGAM	1	40	18.40	18.38	18.41				
10	HEGAM	24	0	18.35	18.36	18.41				
10	HEGAM	24	12	18.42	18.42	18.41	19.5	5		
10	HEGAM	24	12	18.42	18.42	18.41				
10	HEGAM	24	12	18.42	18.42	18.41				
10	HEGAM	50	0	18.43	18.41	18.46				
Channel: 20200, 20175, 20350										
Frequency (MHz)										
5	QPSK	1	0	22.76	22.80	22.82	24.5	0		
5	QPSK	1	12	22.81	22.88	22.77				
5	QPSK	1	0	22.76	22.81	22.82				
5	QPSK	12	0	22.81	22.81	22.88				
5	QPSK	12	7	22.82	22.80	22.85	23.5	1		
5	QPSK	12	7	22.76	22.82	22.81				
5	QPSK	24	0	22.84	22.83	22.88				
5	HEGAM	1	0	22.09	22.28	22.15	23.5	1		
5	HEGAM	1	24	22.07	22.22	22.15				
5	HEGAM	1	24	22.11	22.06	22.04				
5	HEGAM	12	0	21.79	21.89	22.00				
5	HEGAM	12	12	21.87	21.87	21.92	22.5	1		
5	HEGAM	12	18	21.81	21.86	21.84				
5	HEGAM	24	0	21.98	21.86	21.92				
5	HEGAM	24	12	21.78	21.87	21.86	22.5	2		
5	HEGAM	1	24	21.77	21.79	21.79				
5	HEGAM	1	48	21.78	21.84	21.84	22.5	2		
5	HEGAM	12	0	20.59	20.77	20.75				
5	HEGAM	12	10	20.59	20.79	20.77	21.5	3		
5	HEGAM	12	10	20.57	20.76	20.75				
5	HEGAM	1	0	18.45	18.48	18.47				
5	HEGAM	1	10	18.46	18.38	18.41	19.5	5		
5	HEGAM	1	20	18.41	18.40	18.41				
5	HEGAM	12	0	18.37	18.40	18.41				
5	HEGAM	12	10	18.42	18.42	18.41	19.5	5		
5	HEGAM	12	10	18.41	18.40	18.41				
5	HEGAM	24	0	18.43	18.41	18.43				
Channel: 20200, 20175, 20350										
Frequency (MHz)										
3	QPSK	1	0	22.77	22.82	22.82	24.5	0		
3	QPSK	1	8	22.48	22.48	22.35				
3	QPSK	1	0	22.77	22.82	22.82				
3	QPSK	8	0	22.54	22.58	22.42	23.5	0		
3	QPSK	8	4	22.54	22.48	22.41				
3	QPSK	16	0	22.42	22.48	22.41				
3	QPSK	16	0	22.42	22.39	22.37				
3	HEGAM	1	0	22.52	22.50	22.57	23.5	0		
3	HEGAM	1	24	22.41	22.45	22.41				
3	HEGAM	1	14	22.38	22.28	22.32				
3	HEGAM	8	0	21.59	21.30	21.41	22.5	1		
3	HEGAM	8	4	21.43	21.52	21.41				
3	HEGAM	8	7	21.48	21.47	21.37	22.5	1		
3	HEGAM	15	0	21.45	21.50	21.37				
3	HEGAM	1	18	21.47	21.47	21.31	22.5	1		
3	HEGAM	1	36	21.52	21.49	21.39				
3	HEGAM	8	4	20.49	20.50	20.47	21.5	2		
3	HEGAM	8	4	20.49	20.49	20.37				
3	HEGAM	15	0</							



Band 7_Ant 2											
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch. (W)	Power Mid Ch. (W)	Power High Ch. (W)	Turn-up time (min)	MFR (dB)			
Channel Frequency (MHz)											
2050 2100 2150											
20	QPSK	1	0	20.35	20.72	20.65					
20	QPSK	1	48	20.44	20.62	20.61	21.5	0			
20	QPSK	50	0	20.35	20.72	20.65					
20	QPSK	50	24	20.32	20.52	20.50		21.5	0		
20	QPSK	50	50	20.34	20.50	20.51					
20	QPSK	100	0	20.30	20.48	20.45					
20	16QAM	1	0	20.47	20.70	20.63		21.5	0		
20	16QAM	1	48	20.38	20.20	20.21					
20	16QAM	1	96	20.34	20.38	20.39					
20	16QAM	50	0	20.46	20.53	20.53					
20	16QAM	50	24	20.22	20.29	20.28		21.5	0		
20	16QAM	50	50	20.27	20.51	20.48					
20	16QAM	100	0	20.29	20.20	20.26					
20	16QAM	100	50	20.28	20.41	20.38					
20	16QAM	1	48	20.32	20.52	20.52		21.5	0		
20	16QAM	1	96	20.40	20.54	20.52					
20	16QAM	50	0	20.49	20.52	20.51					
20	16QAM	50	24	20.30	20.48	20.45		21.5	0		
20	16QAM	50	50	20.24	20.61	20.46					
20	16QAM	100	0	20.28	20.41	20.38					
20	16QAM	100	50	20.27	20.52	20.52					
20	16QAM	1	48	18.28	18.24	18.22		19.5	2		
20	16QAM	1	96	18.38	18.36	18.43					
20	16QAM	50	0	18.29	18.30	18.31		19.5	2		
20	16QAM	50	24	18.20	18.20	18.28					
20	16QAM	50	50	18.24	18.38	18.37					
20	16QAM	100	0	18.23	18.28	18.28		19.5	2		
Channel Frequency (MHz)											
2050 2100 2150											
15	QPSK	1	0	20.33	20.67	20.63					
15	QPSK	1	37	20.39	20.60	20.53	21.5	0			
15	QPSK	38	0	20.42	20.62	20.62					
15	QPSK	38	20	20.24	20.48	20.38		21.5	0		
15	QPSK	38	50	20.28	20.52	20.51					
15	QPSK	75	0	20.18	20.41	20.40					
15	16QAM	1	0	20.46	20.63	20.60		21.5	0		
15	16QAM	1	37	20.34	20.57	20.51					
15	16QAM	1	74	20.33	20.57	20.49					
15	16QAM	38	0	20.38	20.44	20.52		21.5	0		
15	16QAM	38	20	20.22	20.52	20.41					
15	16QAM	38	50	20.17	20.47	20.38					
15	16QAM	75	0	20.27	20.53	20.34					
15	16QAM	75	20	20.21	20.51	20.52					
15	16QAM	75	50	20.21	20.43	20.44		21.5	0		
15	16QAM	1	74	20.38	20.63	20.60					
15	16QAM	38	0	20.38	20.53	20.53		21.5	0		
15	16QAM	38	20	20.25	20.45	20.43					
15	16QAM	38	50	20.24	20.55	20.41					
15	16QAM	75	0	18.21	18.41	18.34		19.5	2		
15	16QAM	75	20	18.22	18.20	18.20					
15	16QAM	75	50	18.21	18.32	18.33		19.5	2		
15	16QAM	75	96	18.18	18.21	18.28					
Channel Frequency (MHz)											
2050 2100 2150											
10	QPSK	1	0	20.40	20.61	20.58					
10	QPSK	1	25	20.35	20.60	20.53	21.5	0			
10	QPSK	1	50	20.35	20.60	20.53					
10	QPSK	25	0	20.40	20.50	20.54					
10	QPSK	25	12	20.27	20.41	20.46		21.5	0		
10	QPSK	25	25	20.22	20.51	20.46					
10	QPSK	50	0	20.23	20.44	20.39					
10	16QAM	1	0	20.35	20.64	20.59		21.5	0		
10	16QAM	1	25	20.28	20.48	20.48					
10	16QAM	1	50	20.11	20.37	20.38					
10	16QAM	25	0	20.47	20.48	20.48		21.5	0		
10	16QAM	25	12	20.11	20.27	20.28					
10	16QAM	25	25	20.22	20.49	20.38					
10	16QAM	50	0	20.24	20.58	20.54					
10	16QAM	50	25	20.29	20.48	20.45		21.5	0		
10	16QAM	1	48	20.29	20.48	20.44					
10	16QAM	50	0	20.28	20.51	20.44		21.5	0		
10	16QAM	50	12	20.28	20.51	20.44					
10	16QAM	50	25	20.27	20.41	20.41					
10	16QAM	100	0	20.11	20.34	20.35					
10	16QAM	100	50	18.20	18.21	18.21		19.5	2		
10	16QAM	1	48	18.21	18.46	18.40					
10	16QAM	1	96	18.21	18.23	18.20		19.5	2		
10	16QAM	50	0	18.20	18.20	18.20					
10	16QAM	50	25	18.24	18.25	18.21		19.5	2		
10	16QAM	50	50	18.13	18.23	18.20					
Channel Frequency (MHz)											
2075 2125 2175											
5	QPSK	1	0	20.34	20.60	20.62					
5	QPSK	1	12	20.35	20.50	20.53	21.5	0			
5	QPSK	1	24	20.34	20.53	20.53					
5	QPSK	12	0	20.41	20.58	20.61					
5	QPSK	12	7	20.21	20.42	20.44		21.5	0		
5	QPSK	12	13	20.26	20.50	20.40					
5	QPSK	25	0	20.20	20.38	20.38					
5	16QAM	1	0	20.35	20.60	20.53		21.5	0		
5	16QAM	1	12	20.29	20.51	20.48					
5	16QAM	1	24	20.24	20.49	20.52					
5	16QAM	12	0	20.39	20.51	20.49		21.5	0		
5	16QAM	12	7	20.19	20.30	20.40					
5	16QAM	12	13	20.25	20.50	20.38					
5	16QAM	25	0	20.26	20.32	20.26		21.5	0		
5	16QAM	25	7	20.44	20.59	20.57					
5	16QAM	25	13	20.29	20.48	20.43					
5	16QAM	1	48	20.29	20.53	20.43		21.5	0		
5	16QAM	12	0	20.36	20.43	20.40					
5	16QAM	12	7	20.20	20.37	20.34		21.5	0		
5	16QAM	12	13	20.18	20.40	20.38					
5	16QAM	25	0	20.18	20.40	20.38					
5	16QAM	25	7	18.20	18.17	18.19		19.5	2		
5	16QAM	25	13	18.21	18.20	18.21					
5	16QAM	25	50	18.13	18.22	18.18		19.5	2		
5	16QAM	25	96	18.11	18.27	18.18					

Band 7_Ant 3											
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch. (W)	Power Mid Ch. (W)	Power High Ch. (W)	Turn-up time (min)	MFR (dB)			
Channel Frequency (MHz)											
2050 2100 2150											
20	QPSK	1	0	21.00	21.08	21.06					
20	QPSK	1	48	21.05	21.07	21.09	24.5	0			
20	QPSK	50	0	21.02	21.07	21.05					
20	QPSK	50	24	21.00	21.06	21.09		24.5	1		
20	QPSK	50	50	21.00	21.05	21.09					
20	QPSK	100	0	20.97	21.03	21.01					
20	16QAM	1	0	21.16	21.16	21.04		24.5	1		
20	16QAM	1	48	21.02	21.04	21.08					
20	16QAM	1	96	20.98	21.15	21.23					
20	16QAM	50	0	21.01	21.01	21.08					
20	16QAM	50	24	20.99	21.06	21.02		24.5	2		
20	16QAM	50	50	21.09	21.06	21.02					
20	16QAM	100	0	21.07	21.02	21.04					
20	16QAM	100	50	21.08	21.12	21.01					
20	16QAM	1	48	21.08	21.24	21.18		24.5	2		
20	16QAM	1	96	20.92	21.04	20.97					



Band 25_Ant 2														
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turnup (min)	MPE (dB)	Channel Frequency (MHz)					
				26140	26340	26540			26140	26340	26540	26740	26940	27140
20	QPSK	1	0	20.08	20.53	20.97	22	0						
20	QPSK	1	40	20.80	20.95	20.71								
20	QPSK	3	0	20.08	20.53	20.97								
20	QPSK	3	40	20.80	20.95	20.71								
20	QPSK	50	0	20.08	20.53	20.97								
20	QPSK	50	40	20.76	20.84	20.68								
20	QPSK	50	80	20.08	20.53	20.97								
20	QPSK	100	0	20.77	20.82	20.84								
20	HQAM	1	0	20.94	20.93	20.76								
20	HQAM	1	40	20.88	20.76	20.88								
20	HQAM	1	80	20.90	20.94	20.81								
20	HQAM	50	0	20.84	20.93	20.71								
20	HQAM	50	40	20.68	20.79	20.85								
20	HQAM	50	80	20.73	20.85	20.68								
20	HQAM	100	0	20.68	20.74	20.81								
20	HQAM	100	40	20.95	20.96	20.76								
20	HQAM	100	80	20.76	20.84	20.81								
20	HQAM	1	80	20.85	20.86	20.85								
20	HQAM	1	120	20.94	20.92	20.81								
20	HQAM	50	80	20.63	20.51	20.43								
20	HQAM	50	120	20.54	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	1	120	20.93	20.92	20.81								
20	HQAM	1	160	20.88	20.86	20.85								
20	HQAM	50	120	20.51	20.51	20.50								
20	HQAM	50	160	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	1	160	20.93	20.92	20.81								
20	HQAM	1	200	20.88	20.86	20.85								
20	HQAM	50	160	20.51	20.51	20.50								
20	HQAM	50	200	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	1	200	20.93	20.92	20.81								
20	HQAM	1	240	20.88	20.86	20.85								
20	HQAM	50	200	20.51	20.51	20.50								
20	HQAM	50	240	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	1	240	20.93	20.92	20.81								
20	HQAM	1	280	20.88	20.86	20.85								
20	HQAM	50	240	20.51	20.51	20.50								
20	HQAM	50	280	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	100	200	20.83	20.84	20.82								
20	HQAM	100	240	20.83	20.84	20.82								
20	HQAM	1	280	20.93	20.92	20.81								
20	HQAM	1	320	20.88	20.86	20.85								
20	HQAM	50	280	20.51	20.51	20.50								
20	HQAM	50	320	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	100	200	20.83	20.84	20.82								
20	HQAM	100	240	20.83	20.84	20.82								
20	HQAM	100	280	20.83	20.84	20.82								
20	HQAM	100	320	20.83	20.84	20.82								
20	HQAM	1	320	20.93	20.92	20.81								
20	HQAM	1	360	20.88	20.86	20.85								
20	HQAM	50	320	20.51	20.51	20.50								
20	HQAM	50	360	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	100	200	20.83	20.84	20.82								
20	HQAM	100	240	20.83	20.84	20.82								
20	HQAM	100	280	20.83	20.84	20.82								
20	HQAM	100	320	20.83	20.84	20.82								
20	HQAM	100	360	20.83	20.84	20.82								
20	HQAM	1	360	20.93	20.92	20.81								
20	HQAM	1	400	20.88	20.86	20.85								
20	HQAM	50	360	20.51	20.51	20.50								
20	HQAM	50	400	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	100	200	20.83	20.84	20.82								
20	HQAM	100	240	20.83	20.84	20.82								
20	HQAM	100	280	20.83	20.84	20.82								
20	HQAM	100	320	20.83	20.84	20.82								
20	HQAM	100	360	20.83	20.84	20.82								
20	HQAM	1	400	20.93	20.92	20.81								
20	HQAM	1	440	20.88	20.86	20.85								
20	HQAM	50	400	20.51	20.51	20.50								
20	HQAM	50	440	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83	20.84	20.82								
20	HQAM	100	160	20.83	20.84	20.82								
20	HQAM	100	200	20.83	20.84	20.82								
20	HQAM	100	240	20.83	20.84	20.82								
20	HQAM	100	280	20.83	20.84	20.82								
20	HQAM	100	320	20.83	20.84	20.82								
20	HQAM	100	360	20.83	20.84	20.82								
20	HQAM	1	440	20.93	20.92	20.81								
20	HQAM	1	480	20.88	20.86	20.85								
20	HQAM	50	440	20.51	20.51	20.50								
20	HQAM	50	480	20.52	20.52	20.41								
20	HQAM	100	0	20.99	20.97	20.81								
20	HQAM	100	40	20.80	20.86	20.89								
20	HQAM	100	80	20.84	20.90	20.93								
20	HQAM	100	120	20.83										



Band 26(FCC)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Tuneup (MHz)	MFR (MHz)	
Channel									
Frequency (MHz)				26170	26170	26170			
15	QPSK	1	0	23.45	23.45	23.55	24.5	0	
15	QPSK	1	37	23.31	23.34	23.28			
15	QPSK	1	74	23.16	23.19	23.13			
15	QPSK	36	0	22.47	22.49	22.45	23.5	1	
15	QPSK	36	36	22.45	22.34	22.42			
15	QPSK	72	0	22.47	22.45	22.31			
15	HQAM	1	0	22.55	22.43	22.67	23.5	1	
15	HQAM	1	37	22.51	22.28	22.51			
15	HQAM	1	74	22.63	22.53	22.50			
15	HQAM	36	0	21.48	21.45	21.37			
15	HQAM	36	36	21.43	21.45	21.38	22.5	2	
15	HQAM	72	0	21.48	21.38	21.42			
15	HQAM	1	37	21.57	21.58	21.44	22.5	2	
15	HQAM	1	74	21.54	21.37	21.28			
15	HQAM	36	0	20.48	20.39	20.41	21.5	3	
15	HQAM	36	36	20.45	20.38	20.40			
15	HQAM	72	0	20.48	20.48	20.42			
15	HQAM	1	0	18.82	18.60	18.67	19.5	5	
15	HQAM	1	37	18.87	18.68	18.68			
15	HQAM	1	74	18.93	18.76	18.68			
15	HQAM	36	0	18.52	18.48	18.50	19.5	5	
15	HQAM	36	36	18.47	18.46	18.47			
15	HQAM	72	0	18.53	18.53	18.53			
15	HQAM	72	0	18.54	18.55	18.54			
Channel									
Frequency (MHz)				26170	26170	26170			
10	QPSK	1	0	23.33	23.30	23.31	24.5	0	
10	QPSK	1	35	23.30	23.28	23.17			
10	QPSK	1	70	23.15	23.12	23.08			
10	QPSK	25	0	22.40	22.41	22.43	23.5	1	
10	QPSK	25	12	22.41	22.27	22.37			
10	QPSK	50	0	22.41	22.21	22.32			
10	QPSK	50	0	22.38	22.40	22.28			
10	HQAM	1	0	22.49	22.32	22.57	23.5	1	
10	HQAM	1	35	22.48	22.48	22.48			
10	HQAM	1	70	22.64	22.51	22.48			
10	HQAM	25	0	21.44	21.44	21.28	22.5	2	
10	HQAM	25	12	21.40	21.42	21.38			
10	HQAM	50	0	21.44	21.24	21.34			
10	HQAM	1	0	21.54	21.52	21.44	22.5	2	
10	HQAM	1	35	21.51	21.55	21.34			
10	HQAM	1	70	21.48	21.34	21.28			
10	HQAM	25	0	20.45	20.34	20.30	21.5	3	
10	HQAM	25	12	20.38	20.32	20.30			
10	HQAM	50	0	20.44	20.33	20.34			
10	HQAM	1	0	18.61	18.60	18.67	19.5	5	
10	HQAM	1	35	18.71	18.72	18.67			
10	HQAM	1	70	18.80	18.65	18.61			
10	HQAM	25	0	18.53	18.56	18.49	19.5	5	
10	HQAM	25	12	18.44	18.47	18.41			
10	HQAM	50	0	18.53	18.55	18.54			
10	HQAM	50	0	18.55	18.58	18.54			
Channel									
Frequency (MHz)				26170	26170	26170			
5	QPSK	1	0	23.32	23.30	23.30	24.5	0	
5	QPSK	1	12	23.30	23.33	23.27			
5	QPSK	1	24	23.15	23.18	23.08			
5	QPSK	12	0	22.38	22.40	22.30	23.5	1	
5	QPSK	12	7	22.39	22.31	22.37			
5	QPSK	25	0	22.41	22.41	22.38			
5	QPSK	25	0	22.39	22.43	22.28			
5	HQAM	1	0	22.52	22.34	22.68	23.5	1	
5	HQAM	1	12	22.48	22.59	22.45			
5	HQAM	1	24	22.64	22.52	22.45			
5	HQAM	12	0	21.40	21.38	21.30	22.5	2	
5	HQAM	12	7	21.40	21.34	21.37			
5	HQAM	25	0	21.44	21.32	21.40			
5	HQAM	1	0	21.50	21.50	21.41	22.5	2	
5	HQAM	1	12	21.53	21.49	21.30			
5	HQAM	1	24	21.48	21.34	21.28			
5	HQAM	12	0	20.40	20.33	20.30	21.5	3	
5	HQAM	12	7	20.43	20.33	20.31			
5	HQAM	25	0	20.39	20.40	20.34			
5	HQAM	1	0	18.63	18.63	18.67	19.5	5	
5	HQAM	1	12	18.71	18.68	18.67			
5	HQAM	1	24	18.82	18.67	18.61			
5	HQAM	12	0	18.50	18.53	18.45	19.5	5	
5	HQAM	12	7	18.44	18.46	18.41			
5	HQAM	25	0	18.53	18.55	18.54			
5	HQAM	25	0	18.54	18.52	18.53			
Channel									
Frequency (MHz)				26170	26170	26170			
1.4	QPSK	1	0	23.30	23.30	23.30	24.5	0	
1.4	QPSK	1	8	23.28	23.29	23.22			
1.4	QPSK	1	14	23.14	23.15	23.08			
1.4	QPSK	8	0	22.40	22.38	22.40	23.5	1	
1.4	QPSK	8	4	22.38	22.33	22.37			
1.4	QPSK	15	0	22.43	22.43	22.32			
1.4	HQAM	1	0	22.48	22.34	22.61	23.5	1	
1.4	HQAM	1	8	22.43	22.61	22.45			
1.4	HQAM	1	14	22.54	22.48	22.43			
1.4	HQAM	8	0	21.40	21.43	21.38	22.5	2	
1.4	HQAM	8	4	21.40	21.30	21.38			
1.4	HQAM	15	0	21.34	21.38	21.38			
1.4	HQAM	1	0	21.40	21.32	21.32	22.5	2	
1.4	HQAM	1	8	21.53	21.54	21.40			
1.4	HQAM	1	14	21.51	21.35	21.21			
1.4	HQAM	8	0	20.40	20.40	20.30	21.5	3	
1.4	HQAM	8	4	20.39	20.28	20.37			
1.4	HQAM	15	0	20.41	20.37	20.30			
1.4	HQAM	1	0	18.62	18.67	18.60	19.5	5	
1.4	HQAM	1	8	18.72	18.67	18.61			
1.4	HQAM	1	14	18.81	18.67	18.61			
1.4	HQAM	8	0	18.49	18.49	18.54	19.5	5	
1.4	HQAM	8	4	18.47	18.51	18.46			
1.4	HQAM	15	0	18.52	18.55	18.54			
1.4	HQAM	15	0	18.51	18.50	18.54			

Band 30_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power High Ch / Freq	Tuneup (MHz)	MFR (MHz)	
Channel									
Frequency (MHz)				27170	27170	27170			
10	QPSK	1	0	22.01			22.5	0	
10	QPSK	1	25	21.77					
10	QPSK	1	49	21.78					
10	QPSK	25	0	21.78			22.5	0	
10	QPSK	25	12	21.74					
10	QPSK	50	0	21.78					
10	QPSK	50	0	21.72					
10	HQAM	1	0	21.76			22.5	0	
10	HQAM	1	25	21.74					
10	HQAM	1	49	21.89					
10	HQAM	25	0	21.80			22.5	0	
10	HQAM	25	12	21.88					
10	HQAM	50	0	21.78					
10	HQAM	1	0	21.69			22.5	0	
10	HQAM	1	25	21.71					
10	HQAM	1	49	21.88					
10	HQAM	25	0	20.88			21.5	1	
10	HQAM	25	12	20.88					
10	HQAM	50	0	20.80					
10	HQAM	50	0	20.81					
10	HQAM	1	0	18.50			19.5	3	
10	HQAM	1	25	18.41					
10	HQAM	1	49	18.42					
10	HQAM	25	0	18.38			19.5	3	
10	HQAM	25	12	18.38					
10	HQAM	50	0	18.38					
10	HQAM	50	0	18.36					
Channel									
Frequency (MHz)				27170	27170	27170			
5	QPSK	1	0	21.80	21.78	21.70	22.5	0	
5	QPSK	1	12	21.67	21.76	21.73			
5	QPSK	1	24	21.67	21.77	21.70			
5	QPSK	12	0	21.71	21.73	21.67	22.5	0	
5	QPSK	12	7	21.66	21.67	21.65			
5	QPSK	25	0	21.72					



Band 66_Ant 2										
BW (MHz)	Modulation	RS	RB (MHz)	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)	ERP (dBm)
Channel: 133072, 133232, 133572										
Frequency (MHz)										
20	QPSK	1	0	23.52	23.52	23.52				
20	QPSK	1	48	23.52	23.52	23.52		23.5	0	
20	QPSK	1	96	23.52	23.52	23.52				
20	QPSK	50	0	23.51	23.51	23.51				
20	QPSK	50	24	23.52	23.52	23.52		23.5	0	
20	QPSK	50	48	23.51	23.51	23.51				
20	QPSK	100	0	23.38	23.47	23.44				
20	HEMOD	1	0	23.42	23.59	23.51		23.5	0	
20	HEMOD	1	48	23.42	23.59	23.51				
20	HEMOD	1	96	23.41	23.59	23.49				
20	HEMOD	50	0	23.47	23.66	23.44				
20	HEMOD	50	24	23.46	23.67	23.50				
20	HEMOD	50	48	23.48	23.68	23.46				
20	HEMOD	100	0	23.38	23.61	23.43		22.5	1	
20	HEMOD	100	24	23.52	23.68	23.48				
20	HEMOD	100	48	23.49	23.67	23.47				
20	HEMOD	1	99	23.76	23.88	23.71				
20	HEMOD	50	0	23.56	23.87	23.67				
20	HEMOD	50	24	23.72	23.92	23.72				
20	HEMOD	50	48	23.74	23.94	23.86				
20	HEMOD	100	0	23.59	23.92	23.86		22.5	2	
20	HEMOD	100	24	23.74	23.94	23.86				
20	HEMOD	100	48	23.80	23.95	23.88				
20	HEMOD	1	99	23.76	23.92	23.86				
20	HEMOD	50	24	23.82	23.97	23.78		21.5	2	
20	HEMOD	50	48	23.85	23.98	23.79				
20	HEMOD	100	0	23.82	23.95	23.86				
20	HEMOD	100	24	23.96	24.08	23.96		19.5	5	
20	HEMOD	100	48	23.98	24.10	23.89				
20	HEMOD	50	0	23.78	24.01	23.79				
20	HEMOD	50	24	23.92	24.02	23.83				
20	HEMOD	50	48	23.94	24.04	23.85				
20	HEMOD	100	0	23.87	24.07	23.88		19.5	5	
20	HEMOD	100	24	24.02	24.12	23.93				
20	HEMOD	100	48	24.04	24.14	23.95				
20	HEMOD	1	99	23.76	24.02	23.96				
20	HEMOD	50	24	24.08	24.18	24.09				
20	HEMOD	50	48	24.10	24.20	24.11				
20	HEMOD	100	0	24.04	24.20	24.14		21.5	2	
20	HEMOD	100	24	24.24	24.34	24.15				
20	HEMOD	100	48	24.26	24.36	24.17				
20	HEMOD	1	99	24.02	24.38	24.32				
20	HEMOD	50	24	24.38	24.48	24.29		19.5	4	
20	HEMOD	50	48	24.40	24.50	24.31				
20	HEMOD	100	0	24.34	24.48	24.42		19.5	4	
20	HEMOD	100	24	24.54	24.64	24.45				
20	HEMOD	100	48	24.56	24.66	24.47				
Channel: 133072, 133232, 133572										
Frequency (MHz)										
15	QPSK	1	0	23.50	23.64	23.54				
15	QPSK	1	37	23.46	23.68	23.58		23.5	0	
15	QPSK	1	74	23.42	23.63	23.53				
15	QPSK	36	0	23.40	23.48	23.48				
15	QPSK	36	20	23.37	23.39	23.50		23.5	0	
15	QPSK	36	40	23.34	23.42	23.44				
15	QPSK	72	0	23.30	23.38	23.43				
15	HEMOD	1	0	23.40	23.51	23.45		23.5	0	
15	HEMOD	1	37	23.42	23.52	23.46				
15	HEMOD	1	74	23.31	23.38	23.48				
15	HEMOD	36	0	23.43	23.61	23.41		22.5	1	
15	HEMOD	36	20	23.37	23.52	23.57				
15	HEMOD	36	40	23.38	23.57	23.62				
15	HEMOD	72	0	23.33	23.51	23.54				
15	HEMOD	1	99	23.57	23.72	23.58				
15	HEMOD	36	20	23.57	23.78	23.83		22.5	2	
15	HEMOD	36	40	23.57	23.87	23.92				
15	HEMOD	72	0	23.52	23.80	23.83				
15	HEMOD	1	99	23.56	23.86	23.87		19.5	5	
15	HEMOD	36	20	23.78	23.97	23.98				
15	HEMOD	36	40	23.80	24.01	24.02				
15	HEMOD	72	0	23.81	24.01	24.02		19.5	5	
15	HEMOD	1	99	23.83	24.03	24.04				
15	HEMOD	36	20	23.85	24.03	24.04				
Channel: 133072, 133232, 133572										
Frequency (MHz)										
10	QPSK	1	0	23.51	23.57	23.57				
10	QPSK	1	25	23.48	23.56	23.47		24.5	0	
10	QPSK	1	50	23.43	23.47	23.47				
10	QPSK	24	0	23.52	23.50	23.49				
10	QPSK	24	12	23.54	23.52	23.48		23.5	1	
10	QPSK	48	0	23.48	23.46	23.46				
10	HEMOD	1	0	23.48	23.60	23.49		23.5	1	
10	HEMOD	1	24	23.54	23.64	23.54				
10	HEMOD	1	48	23.56	23.66	23.57				
10	HEMOD	24	0	23.56	23.55	23.51		22.5	2	
10	HEMOD	24	12	23.54	23.52	23.48				
10	HEMOD	48	0	23.51	23.49	23.49				
10	HEMOD	1	99	23.59	23.70	23.61		22.5	2	
10	HEMOD	24	12	23.57	23.55	23.50				
10	HEMOD	24	24	23.57	23.56	23.52		21.5	3	
10	HEMOD	48	0	23.53	23.54	23.50				
10	HEMOD	1	99	23.56	23.68	23.57		19.5	5	
10	HEMOD	24	12	23.54	23.52	23.48				
10	HEMOD	24	24	23.54	23.53	23.49				
10	HEMOD	48	0	23.49	23.47	23.47		19.5	5	
10	HEMOD	1	99	23.56	23.68	23.57				
10	HEMOD	24	12	23.54	23.52	23.48				
10	HEMOD	24	24	23.54	23.53	23.49				
10	HEMOD	48	0	23.49	23.47	23.47		19.5	5	
10	HEMOD	1	99	23.56	23.68	23.57				
10	HEMOD	24	12	23.54	23.52	23.48				
10	HEMOD	24	24	23.54	23.53	23.49				
10	HEMOD	48	0	23.49	23.47	23.47		19.5	5	
10	HEMOD	1	99	23.56	23.68	23.57				
10	HEMOD	24	12	23.54	23.52	23.48				
10	HEMOD	24	24	23.54	23.53	23.49				
10	HEMOD	48	0	23.49	23.47	23.47		19.5	5	
Channel: 133072, 133232, 133572										
Frequency (MHz)										
5	QPSK	1	0	23.51	23.57	23.57				
5	QPSK	1	12	23.50	23.56	23.47		24.5	0	
5	QPSK	1	24	23.43	23.43	23.43				
5	QPSK	12	0	23.52	23.49	23.44				
5	QPSK	12	6	23.52	23.49	23.44		23.5	1	
5	QPSK	24	0	23.48	23.46	23.46				
5	QPSK	24	12	23.48	23.46	23.46				
5	HEMOD	1	0	23.50	23.60	23.50		23.5	1	
5	HEMOD	1	12	23.52	23.62	23.52				
5	HEMOD	1	24	23.49	23.53	23.49				
5	HEMOD	12	0	23.54	23.68	23.68		22.5	2	
5	HEMOD	12	6	23.54	23.78	23.82				
5	HEMOD	12	12	23.56	23.73	23.82				
5	HEMOD	24	0	23.51	23.71	23.82		22.5	2	
5	HEMOD	24	12	23.51	23.78	23.82				
5	HEMOD	1	99	23.59	23.87	23.87		22.5	2	
5	HEMOD	12	12	23.57	23.79	23.79				
5	HEMOD	12	24	23.57	23.78	23.82		21.5	3	
5	HEMOD	24	12	23.57	23.78	23.82				
5	HEMOD	1	99	23.56	23.68	23.57		19.5	5	
5	HEMOD	12	12	23.54	23.52	23.48				
5	HEMOD	12	24	23.54	23.53	23.49				
5	HEMOD	24	12	23.49	23.47	23.47		19.5	5	
5	HEMOD	1	99	23.56	23.68	23.57				
5	HEMOD	12	12	23.54	23.52	23.48				
5	HEMOD	12	24	23.54	23.53	23.49				
5	HEMOD	24	12	23.49	23.47	23.47		19.5	5	
5	HEMOD	1	99	23.56	23.68	23.57				
5	HEMOD	12	12	23.54	23.52	23.48				
5	HEMOD	12	24	23.54	23.53	23.49				
5	HEMOD	24	12	23.49	23.47	23.47		19.5	5	
Channel: 133072, 133232, 133572										
Frequency (MHz)										
3	QPSK	1	0	23.51	23.57	23.57				
3	QPSK	1	8	23.50	23.56	23.47		24.5	0	
3	QPSK	1	16	23.43	23.43	23.43				
3	QPSK	8	0	23.51	23.57	23.57				
3	QPSK	8	4	23.51	23.59	23.60		23.5	1	
3	QPSK	16	0	23.48	23.46	23.46				
3	QPSK	16	8	23.48	23.46	23.46				
3	HEMOD	1	0	23.50	23.60	23.50		23.5	1	
3	HEMOD	1	8	23.52	23.62	23.52				
3	HEMOD	1	16	23.49	23.53	23.49				
3	HEMOD	8	0	23.54	23.68	23.68		22.5	2	
3	HEMOD	8	4	23.54	23.78	23.82				
3	HEMOD	16	0	23.51	23.71	23.82		22.5	2	
3	HEMOD	16	8	23.51	23.78	23.82				
3	HEMOD	1	99	23.59	23.87	23.87		22.5	2	
3	HEMOD	8	8	23.57	23.79	23.79				



Band 71_Ant 0										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Time-use (min)	MFR (dB)		
Channel: 133222 133237 133272 686										
Frequency (MHz)										
20	QPSK	1	0	23.73	23.85	23.77				
20	QPSK	1	48	23.87	23.78	23.71	24.5	0		
20	QPSK	1	48	23.72	23.75	23.80				
20	QPSK	50	0	22.48	22.52	22.50				
20	QPSK	50	24	22.45	22.52	22.50	23.5	1		
20	QPSK	50	48	22.42	22.48	22.45				
20	QPSK	100	0	22.42	22.48	22.38				
20	HQAM	1	0	22.71	22.78	22.68				
20	HQAM	1	48	22.70	22.74	22.70	23.5	1		
20	HQAM	1	96	22.74	22.77	22.74				
20	HQAM	50	0	21.50	21.55	21.49				
20	HQAM	50	24	21.48	21.53	21.49				
20	HQAM	50	50	21.44	21.54	21.51	22.5	2		
20	HQAM	100	0	21.45	21.58	21.47				
20	HQAM	1	48	21.85	21.77	21.86				
20	HQAM	1	48	21.82	21.88	21.85	22.5	2		
20	HQAM	1	96	21.58	21.68	21.62				
20	HQAM	50	0	20.36	20.39	20.34				
20	HQAM	50	24	20.35	20.37	20.43	21.5	3		
20	HQAM	50	50	20.49	20.34	20.47				
20	HQAM	100	0	20.39	20.45	20.38				
20	SSQAM	1	0	18.46	18.53	18.45				
20	SSQAM	1	48	18.43	18.48	18.43	19.5	5		
20	SSQAM	1	48	18.44	18.46	18.45				
20	SSQAM	50	0	18.62	18.66	18.61				
20	SSQAM	50	24	18.42	18.49	18.39	19.5	5		
20	SSQAM	50	50	18.46	18.49	18.39				
20	SSQAM	100	0	18.37	18.43	18.44				
Channel: 133119 133129 133197 686										
Frequency (MHz)										
15	QPSK	1	0	23.70	23.78	23.72				
15	QPSK	1	37	23.58	23.72	23.66	24.5	0		
15	QPSK	1	48	23.62	23.68	23.65				
15	QPSK	36	0	22.44	22.52	22.48				
15	QPSK	36	20	22.42	22.41	22.47	23.5	1		
15	QPSK	36	48	22.76	22.43	22.38				
15	QPSK	72	0	22.38	22.44	22.28				
15	HQAM	1	0	22.65	22.72	22.58				
15	HQAM	1	48	22.74	22.74	22.70	23.5	1		
15	HQAM	1	74	22.73	22.74	22.69				
15	HQAM	36	0	21.45	21.48	21.43				
15	HQAM	36	20	21.42	21.50	21.46	22.5	2		
15	HQAM	36	36	21.33	21.46	21.43				
15	HQAM	72	0	21.45	21.48	21.44				
15	HQAM	1	48	21.38	21.47	21.39				
15	HQAM	1	37	21.56	21.54	21.58	22.5	2		
15	HQAM	1	74	21.50	21.58	21.50				
15	HQAM	36	20	20.51	20.50	20.42				
15	HQAM	36	20	20.46	20.51	20.45	21.5	3		
15	HQAM	36	36	20.47	20.52	20.42				
15	HQAM	72	0	20.32	20.38	20.30				
15	SSQAM	1	0	18.47	18.45	18.52				
15	SSQAM	1	37	18.41	18.41	18.45	19.5	5		
15	SSQAM	1	48	18.44	18.41	18.43				
15	SSQAM	36	0	18.39	18.34	18.30				
15	SSQAM	36	20	18.41	18.49	18.44	19.5	5		
15	SSQAM	36	36	18.44	18.49	18.35				
15	SSQAM	72	0	18.44	18.43	18.39				
Channel: 133122 133129 133222 686										
Frequency (MHz)										
10	QPSK	1	0	23.69	23.74	23.68				
10	QPSK	1	26	23.69	23.74	23.64	24.5	0		
10	QPSK	1	48	23.62	23.68	23.65				
10	QPSK	24	0	22.41	22.52	22.52				
10	QPSK	24	12	22.41	22.51	22.47	23.5	1		
10	QPSK	24	24	22.45	22.38	22.42				
10	QPSK	50	0	22.35	22.39	22.33				
10	HQAM	1	0	22.68	22.67	22.64				
10	HQAM	1	48	22.63	22.67	22.66	23.5	1		
10	HQAM	1	48	22.67	22.71	22.66				
10	HQAM	24	0	21.45	21.43	21.44				
10	HQAM	24	12	21.38	21.53	21.47	22.5	2		
10	HQAM	24	24	21.38	21.45	21.50				
10	HQAM	50	0	21.42	21.44	21.41				
10	HQAM	1	0	21.81	21.60	21.61				
10	HQAM	1	26	21.55	21.66	21.58	22.5	2		
10	HQAM	1	48	21.51	21.59	21.59				
10	HQAM	24	0	20.49	20.54	20.47				
10	HQAM	24	12	20.49	20.51	20.49	21.5	3		
10	HQAM	24	24	20.43	20.48	20.43				
10	HQAM	50	0	20.35	20.43	20.28				
10	SSQAM	1	0	18.49	18.46	18.49				
10	SSQAM	1	26	18.40	18.41	18.42	19.5	5		
10	SSQAM	1	48	18.45	18.47	18.47				
10	SSQAM	24	0	18.32	18.32	18.35				
10	SSQAM	24	12	18.41	18.49	18.44	19.5	5		
10	SSQAM	24	24	18.44	18.49	18.45				
10	SSQAM	50	0	18.39	18.41	18.41				
Channel: 133147 133229 133447 686										
Frequency (MHz)										
5	QPSK	1	0	23.68	23.77	23.72				
5	QPSK	1	12	23.69	23.75	23.66	24.5	0		
5	QPSK	1	24	23.68	23.70	23.63				
5	QPSK	12	0	22.48	22.52	22.51				
5	QPSK	12	7	22.38	22.43	22.46	23.5	1		
5	QPSK	12	13	22.37	22.44	22.38				
5	QPSK	24	0	22.34	22.43	22.28				
5	HQAM	1	0	22.65	22.69	22.60				
5	HQAM	1	12	22.69	22.63	22.62	23.5	1		
5	HQAM	1	24	22.67	22.68	22.68				
5	HQAM	12	0	21.48	21.47	21.47				
5	HQAM	12	7	21.43	21.42	21.43	22.5	2		
5	HQAM	12	13	21.34	21.48	21.43				
5	HQAM	24	0	21.41	21.49	21.39				
5	HQAM	1	0	21.87	21.64	21.60				
5	HQAM	1	12	21.56	21.62	21.60	22.5	2		
5	HQAM	1	24	21.47	21.64	21.54				
5	HQAM	12	0	20.30	20.38	20.46				
5	HQAM	12	7	20.47	20.45	20.46	21.5	3		
5	HQAM	12	13	20.41	20.48	20.39				
5	HQAM	24	0	20.32	20.41	20.28				
5	SSQAM	1	0	18.50	18.45	18.49				
5	SSQAM	1	12	18.45	18.39	18.39	19.5	5		
5	SSQAM	1	24	18.46	18.47	18.41				
5	SSQAM	12	0	18.40	18.45	18.39				
5	SSQAM	12	7	18.41	18.39	18.39	19.5	5		
5	SSQAM	12	13	18.46	18.48	18.44				
5	SSQAM	24	0	18.44	18.41	18.42				

Band 71_Ant 1										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (W)	Power High Ch. (W)	Power High Ch. (W)	Time-use (min)	MFR (dB)		
Channel: 133222 133237 133272 686										
Frequency (MHz)										
20	QPSK	1	0	23.65	23.73	23.68				
20	QPSK	1	48	23.82	23.70	23.69	24.5	0		
20	QPSK	1	48	23.72	23.75	23.81				
20	QPSK	50	0	22.42	22.48	22.42				
20	QPSK	50	24	22.38	22.46	22.38	23.5	1		
20	QPSK	50	48	22.41	22.47	22.41				
20	QPSK	100	0	22.25	22.38	22.32				
20	HQAM	1	0	22.59	22.66	22.56				
20	HQAM	1	48	22.58	22.63	22.60	23.5	1		
20	HQAM	1	96	22.61	22.65	22.61				
20	HQAM	50	0	21.50	21.48	21.42				
20	HQAM	50	24	21.41	21.28	21.27	22.5	2		
20	HQAM	50	50	21.43	21.50	21.44				



Part 96_Band 48_Ant 3										
BW (MHz)	Modulation	RF Chan	RF Offset	Power Low (W)	Power High (W)	Power High Ch. 17 (W)	Turn-up (dB)	Agc (dB)	Turn-up (dB)	Agc (dB)
Channel										
Frequency (MHz)										
20	OFDM	1	0	22.76	23.02	23.02	23.02		24.5	0
20	OFDM	1	0	22.88	23.14	23.14	23.14		24.5	0
20	OFDM	1	0	23.00	23.26	23.26	23.26		24.5	0
20	OFDM	1	0	23.12	23.38	23.38	23.38		24.5	0
20	OFDM	1	0	23.24	23.50	23.50	23.50		24.5	0
20	OFDM	1	0	23.36	23.62	23.62	23.62		24.5	0
20	OFDM	1	0	23.48	23.74	23.74	23.74		24.5	0
20	OFDM	1	0	23.60	23.86	23.86	23.86		24.5	0
20	OFDM	1	0	23.72	23.98	23.98	23.98		24.5	0
20	OFDM	1	0	23.84	24.10	24.10	24.10		24.5	0
20	OFDM	1	0	23.96	24.22	24.22	24.22		24.5	0
20	OFDM	1	0	24.08	24.34	24.34	24.34		24.5	0
20	OFDM	1	0	24.20	24.46	24.46	24.46		24.5	0
20	OFDM	1	0	24.32	24.58	24.58	24.58		24.5	0
20	OFDM	1	0	24.44	24.70	24.70	24.70		24.5	0
20	OFDM	1	0	24.56	24.82	24.82	24.82		24.5	0
20	OFDM	1	0	24.68	24.94	24.94	24.94		24.5	0
20	OFDM	1	0	24.80	25.06	25.06	25.06		24.5	0
20	OFDM	1	0	24.92	25.18	25.18	25.18		24.5	0
20	OFDM	1	0	25.04	25.30	25.30	25.30		24.5	0
20	OFDM	1	0	25.16	25.42	25.42	25.42		24.5	0
20	OFDM	1	0	25.28	25.54	25.54	25.54		24.5	0
20	OFDM	1	0	25.40	25.66	25.66	25.66		24.5	0
20	OFDM	1	0	25.52	25.78	25.78	25.78		24.5	0
20	OFDM	1	0	25.64	25.90	25.90	25.90		24.5	0
20	OFDM	1	0	25.76	26.02	26.02	26.02		24.5	0
20	OFDM	1	0	25.88	26.14	26.14	26.14		24.5	0
20	OFDM	1	0	26.00	26.26	26.26	26.26		24.5	0
20	OFDM	1	0	26.12	26.38	26.38	26.38		24.5	0
20	OFDM	1	0	26.24	26.50	26.50	26.50		24.5	0
20	OFDM	1	0	26.36	26.62	26.62	26.62		24.5	0
20	OFDM	1	0	26.48	26.74	26.74	26.74		24.5	0
20	OFDM	1	0	26.60	26.86	26.86	26.86		24.5	0
20	OFDM	1	0	26.72	26.98	26.98	26.98		24.5	0
20	OFDM	1	0	26.84	27.10	27.10	27.10		24.5	0
20	OFDM	1	0	26.96	27.22	27.22	27.22		24.5	0
20	OFDM	1	0	27.08	27.34	27.34	27.34		24.5	0
20	OFDM	1	0	27.20	27.46	27.46	27.46		24.5	0
20	OFDM	1	0	27.32	27.58	27.58	27.58		24.5	0
20	OFDM	1	0	27.44	27.70	27.70	27.70		24.5	0
20	OFDM	1	0	27.56	27.82	27.82	27.82		24.5	0
20	OFDM	1	0	27.68	27.94	27.94	27.94		24.5	0
20	OFDM	1	0	27.80	28.06	28.06	28.06		24.5	0
20	OFDM	1	0	27.92	28.18	28.18	28.18		24.5	0
20	OFDM	1	0	28.04	28.30	28.30	28.30		24.5	0
20	OFDM	1	0	28.16	28.42	28.42	28.42		24.5	0
20	OFDM	1	0	28.28	28.54	28.54	28.54		24.5	0
20	OFDM	1	0	28.40	28.66	28.66	28.66		24.5	0
20	OFDM	1	0	28.52	28.78	28.78	28.78		24.5	0
20	OFDM	1	0	28.64	28.90	28.90	28.90		24.5	0
20	OFDM	1	0	28.76	29.02	29.02	29.02		24.5	0
20	OFDM	1	0	28.88	29.14	29.14	29.14		24.5	0
20	OFDM	1	0	29.00	29.26	29.26	29.26		24.5	0
20	OFDM	1	0	29.12	29.38	29.38	29.38		24.5	0
20	OFDM	1	0	29.24	29.50	29.50	29.50		24.5	0
20	OFDM	1	0	29.36	29.62	29.62	29.62		24.5	0
20	OFDM	1	0	29.48	29.74	29.74	29.74		24.5	0
20	OFDM	1	0	29.60	29.86	29.86	29.86		24.5	0
20	OFDM	1	0	29.72	29.98	29.98	29.98		24.5	0
20	OFDM	1	0	29.84	30.10	30.10	30.10		24.5	0
20	OFDM	1	0	29.96	30.22	30.22	30.22		24.5	0
20	OFDM	1	0	30.08	30.34	30.34	30.34		24.5	0
20	OFDM	1	0	30.20	30.46	30.46	30.46		24.5	0
20	OFDM	1	0	30.32	30.58	30.58	30.58		24.5	0
20	OFDM	1	0	30.44	30.70	30.70	30.70		24.5	0
20	OFDM	1	0	30.56	30.82	30.82	30.82		24.5	0
20	OFDM	1	0	30.68	30.94	30.94	30.94		24.5	0
20	OFDM	1	0	30.80	31.06	31.06	31.06		24.5	0
20	OFDM	1	0	30.92	31.18	31.18	31.18		24.5	0
20	OFDM	1	0	31.04	31.30	31.30	31.30		24.5	0
20	OFDM	1	0	31.16	31.42	31.42	31.42		24.5	0
20	OFDM	1	0	31.28	31.54	31.54	31.54		24.5	0
20	OFDM	1	0	31.40	31.66	31.66	31.66		24.5	0
20	OFDM	1	0	31.52	31.78	31.78	31.78		24.5	0
20	OFDM	1	0	31.64	31.90	31.90	31.90		24.5	0
20	OFDM	1	0	31.76	32.02	32.02	32.02		24.5	0
20	OFDM	1	0	31.88	32.14	32.14	32.14		24.5	0
20	OFDM	1	0	32.00	32.26	32.26	32.26		24.5	0
20	OFDM	1	0	32.12	32.38	32.38	32.38		24.5	0
20	OFDM	1	0	32.24	32.50	32.50	32.50		24.5	0
20	OFDM	1	0	32.36	32.62	32.62	32.62		24.5	0
20	OFDM	1	0	32.48	32.74	32.74	32.74		24.5	0
20	OFDM	1	0	32.60	32.86	32.86	32.86		24.5	0
20	OFDM	1	0	32.72	32.98	32.98	32.98		24.5	0
20	OFDM	1	0	32.84	33.10	33.10	33.10		24.5	0
20	OFDM	1	0	32.96	33.22	33.22	33.22		24.5	0
20	OFDM	1	0	33.08	33.34	33.34	33.34		24.5	0
20	OFDM	1	0	33.20	33.46	33.46	33.46		24.5	0
20	OFDM	1	0	33.32	33.58	33.58	33.58		24.5	0
20	OFDM	1	0	33.44	33.70	33.70	33.70		24.5	0
20	OFDM	1	0	33.56	33.82	33.82	33.82		24.5	0
20	OFDM	1	0	33.68	33.94	33.94	33.94		24.5	0
20	OFDM	1	0	33.80	34.06	34.06	34.06		24.5	0
20	OFDM	1	0	33.92	34.18	34.18	34.18		24.5	0
20	OFDM	1	0	34.04	34.30	34.30	34.30		24.5	0
20	OFDM	1	0	34.16	34.42	34.42	34.42		24.5	0
20	OFDM	1	0	34.28	34.54	34.54	34.54		24.5	0
20	OFDM	1	0	34.40	34.66	34.66	34.66		24.5	0
20	OFDM	1	0	34.52	34.78	34.78	34.78		24.5	0
20	OFDM	1	0	34.64	34.90	34.90	34.90		24.5	0
20	OFDM	1	0	34.76	35.02	35.02	35.02		24.5	0
20	OFDM	1	0	34.88	35.14	35.14	35.14		24.5	0
20	OFDM	1	0	35.00	35.26	35.26	35.26		24.5	0
20	OFDM	1	0	35.12	35.38	35.38	35.38		24.5	0
20	OFDM	1	0	35.24	35.50	35.50	35.50		24.5	0
20	OFDM	1	0	35.36	35.62	35.62	35.62		24.5	0
20	OFDM	1	0	35.48	35.74	35.74	35.74		24.5	0
20	OFDM	1	0	35.60	35.86	35.86	35.86		24.5	0
20	OFDM	1	0	35.72	35.98	35.98	35.98		24.5	0
20	OFDM	1	0	35.84	36.10	36.10	36.10		24.5	0
20	OFDM	1	0	35.96	36.22	36.22	36.22		24.5	0
20	OFDM	1	0	36.08	36.34	36.34	36.34		24.5	0
20	OFDM	1	0	36.20	36.46	36.46	36.46		24.5	0
20	OFDM	1	0	36.32	36.58	36.58	36.58		24.5	0
20	OFDM	1	0	36.44	36.70	36.70	36.70		24.5	0
20	OFDM	1	0	36.56	36.82	36.82	36.82		24.5	0
20	OFDM	1	0	36.68	36.94	36.94	36.94		24.5	0
20	OFDM	1	0	36.80	37.06	37.06				



DSI 16 Power

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6		
GSM 1 Tx slot	32.45	32.61	32.79	33.50	23.45	23.61	23.79	24.50	
GPRS 1 Tx slot	32.44	32.59	32.72	33.50	23.44	23.59	23.72	24.50	
GPRS 2 Tx slots	29.27	29.46	29.60	30.50	23.27	23.46	23.60	24.50	
GPRS 3 Tx slots	27.55	27.72	27.85	28.70	23.29	23.46	23.59	24.44	
GPRS 4 Tx slots	26.33	26.51	26.49	27.50	23.33	23.51	23.49	24.50	
EDGE 1 Tx slot	26.67	26.84	26.35	27.50	17.67	17.84	17.35	18.50	
EDGE 2 Tx slots	23.93	23.91	23.51	25.00	17.93	17.91	17.51	18.00	
EDGE 3 Tx slots	22.01	22.23	21.98	23.20	17.75	17.97	17.72	18.94	
EDGE 4 Tx slots	20.76	20.88	20.53	22.00	17.76	17.88	17.53	19.00	
DTM Multi-slot class 5	GSM 1 Tx slot	29.08	29.27	29.39	30.50	23.08	23.26	23.34	24.48
	GPRS 1 Tx slot	29.12	29.30	29.33	30.50				
DTM Multi-slot class 9	GSM 1 Tx slot	29.00	29.33	28.41	30.50	23.00	23.24	23.34	24.48
	GPRS 1 Tx slot	29.05	29.19	29.32	30.50				
DTM Multi-slot class 11	GSM 1 Tx slot	27.26	27.48	27.69	28.70	23.04	23.25	23.41	24.44
	GPRS 2 Tx slots	27.32	27.52	27.66	28.70				
DTM Multi-slot class 5	GSM 1 Tx slot	28.10	29.27	28.45	30.50	21.16	21.31	21.36	22.55
	EDGE 1 Tx slot	23.65	23.75	23.28	25.00				
DTM Multi-slot class 9	GSM 1 Tx slot	28.10	28.33	28.46	30.50	21.18	21.37	21.36	22.55
	EDGE 1 Tx slot	23.74	23.78	23.26	25.00				
DTM Multi-slot class 11	GSM 1 Tx slot	27.27	27.48	27.65	28.70	20.17	20.41	20.42	21.61
	EDGE 2 Tx slots	21.75	22.04	21.76	23.20				

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
Frequency (MHz)	1852.2	1853	1853.8		1852.2	1853	1853.8		
GSM 1 Tx slot	29.63	29.45	29.67	30.50	20.63	20.45	20.67	21.50	
GPRS 1 Tx slot	29.74	29.44	29.76	30.50	20.74	20.44	20.76	21.50	
GPRS 2 Tx slots	26.80	26.68	26.55	27.50	20.50	20.68	20.55	21.50	
GPRS 3 Tx slots	24.83	24.67	24.77	25.70	20.57	20.41	20.51	21.44	
GPRS 4 Tx slots	23.06	23.09	23.07	24.80	20.06	20.09	20.07	21.50	
EDGE 1 Tx slot	26.48	26.28	26.55	27.50	17.48	17.28	17.55	18.00	
EDGE 2 Tx slots	23.36	23.38	23.28	24.00	17.36	17.38	17.28	18.00	
EDGE 3 Tx slots	21.50	21.63	21.42	22.20	17.24	17.37	17.16	17.94	
EDGE 4 Tx slots	20.14	20.02	20.01	21.00	17.14	17.02	17.01	18.00	
DTM Multi-slot class 5	GSM 1 Tx slot	26.20	26.40	26.25	27.50	20.23	20.40	20.22	21.48
	GPRS 1 Tx slot	26.30	26.45	26.24	27.50				
DTM Multi-slot class 9	GSM 1 Tx slot	26.33	26.42	26.35	27.50	20.30	20.46	20.30	21.48
	GPRS 1 Tx slot	26.31	26.55	26.30	27.50				
DTM Multi-slot class 11	GSM 1 Tx slot	24.58	24.45	24.58	25.70	20.34	20.26	20.29	21.44
	GPRS 2 Tx slots	24.61	24.55	24.54	25.70				
DTM Multi-slot class 5	GSM 1 Tx slot	26.34	26.51	26.28	27.50	18.99	19.12	18.95	20.07
	EDGE 1 Tx slot	23.09	23.12	23.13	24.00				
DTM Multi-slot class 9	GSM 1 Tx slot	26.32	26.44	26.36	27.50	19.00	19.09	19.01	20.07
	EDGE 1 Tx slot	23.16	23.18	23.10	24.00				
DTM Multi-slot class 11	GSM 1 Tx slot	24.81	24.41	24.48	25.70	18.44	18.40	18.36	19.44
	EDGE 2 Tx slots	21.29	21.43	21.25	22.20				

Band	WCDMA R_Ant 2			Tune-up Limit (dBm)	WCDMA R_Ant 3			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	9262	9400		9538
Rx Channel	9662	9800	9938		9662	9800	9938		
Frequency (MHz)	1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	20.26	20.34	20.14	21.00	24.80	24.86	24.55	25.00
3GPP Rel 99	RMC 12.2Kbps	20.35	20.36	20.21	21.00	24.61	24.67	24.56	25.00
3GPP Rel 6	HSDPA Subtest-1	19.14	19.07	19.23	20.00	23.73	23.76	23.64	24.00
3GPP Rel 6	HSDPA Subtest-2	18.19	18.18	18.26	20.00	23.68	23.73	23.58	24.00
3GPP Rel 6	HSDPA Subtest-3	18.63	18.63	18.74	19.50	23.28	23.19	23.17	23.50
3GPP Rel 6	HSDPA Subtest-4	18.69	18.66	18.65	19.50	23.21	23.18	23.06	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.65	18.69	18.65	20.00	22.63	22.68	22.67	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.62	18.63	18.53	20.00	22.61	22.66	22.65	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.98	18.11	18.12	19.50	21.97	22.01	22.00	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	18.12	18.07	18.06	19.50	21.98	22.02	22.00	23.50
3GPP Rel 6	HSUPA Subtest-1	19.16	19.27	19.17	20.00	23.73	23.77	23.84	24.00
3GPP Rel 6	HSUPA Subtest-2	17.21	17.29	17.13	18.00	21.78	21.74	21.88	22.00
3GPP Rel 6	HSUPA Subtest-3	18.17	18.23	18.17	19.00	22.71	22.75	22.84	23.00
3GPP Rel 6	HSUPA Subtest-4	17.22	17.20	17.12	18.00	21.74	21.73	21.85	22.00
3GPP Rel 6	HSUPA Subtest-5	19.29	19.29	19.26	20.00	23.80	23.70	23.80	24.00

Band	WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)	
	TX Channel	4132	4182		4233	4132	4182		4233
Rx Channel	4357	4407	4458		4357	4407	4458		
Frequency (MHz)	626.4	636.4	646.6		626.4	636.4	646.6		
3GPP Rel 99	AMR 12.2Kbps	24.15	24.17	24.13	25.00	24.22	24.23	24.14	25.00
3GPP Rel 99	RMC 12.2Kbps	24.16	24.19	24.18	25.00	24.25	24.28	24.16	25.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.11	23.05	24.00	23.18	23.18	23.14	24.00
3GPP Rel 6	HSDPA Subtest-2	23.15	23.12	23.05	24.00	23.20	23.18	23.15	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.83	22.56	23.50	22.71	22.69	22.61	23.50
3GPP Rel 6	HSDPA Subtest-4	22.68	22.60	22.55	23.50	22.71	22.67	22.63	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.90	22.93	22.91	24.00	22.78	22.82	22.80	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.89	22.92	22.90	24.00	22.76	22.77	22.76	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.38	22.41	22.40	23.50	22.28	22.29	22.28	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.35	22.39	22.38	23.50	22.23	22.27	22.24	23.50
3GPP Rel 6	HSUPA Subtest-1	23.08	23.09	23.10	24.00	23.16	23.16	23.14	24.00
3GPP Rel 6	HSUPA Subtest-2	21.15	21.07	21.01	22.00	21.14	21.16	21.09	22.00
3GPP Rel 6	HSUPA Subtest-3	22.06	22.11	22.03	23.00	22.17	22.16	22.11	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.04	21.01	22.00	21.13	21.15	21.08	22.00
3GPP Rel 6	HSUPA Subtest-5	23.10	23.10	23.00	24.00	23.10	23.20	23.10	24.00

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6		
GSM 1 Tx slot	32.32	32.36	32.47	33.50	23.32	23.36	23.47	24.50	
GPRS 1 Tx slot	32.30	32.35	32.44	33.50	23.30	23.35	23.44	24.50	
GPRS 2 Tx slots	29.14	29.19	29.27	30.50	23.14	23.19	23.27	24.50	
GPRS 3 Tx slots	27.44	27.45	27.49	28.70	23.18	23.19	23.23	24.44	
GPRS 4 Tx slots	26.23	26.24	26.12	27.50	23.23	23.24	23.12	24.50	
EDGE 1 Tx slot	26.72	26.89	26.53	27.50	17.72	17.89	17.53	18.50	
EDGE 2 Tx slots	23.73	23.88	23.68	25.00	17.73	17.88	17.68	18.00	
EDGE 3 Tx slots	21.97	22.04	21.84	23.20	17.71	17.78	17.58	18.94	
EDGE 4 Tx slots	20.81	20.85	20.53	22.00	17.61	17.65	17.53	19.00	
DTM Multi-slot class 5	GSM 1 Tx slot	28.99	28.94	29.02	30.50	22.98	22.95	23.04	24.48
	GPRS 1 Tx slot	28.98	29.01	29.11	30.50				
DTM Multi-slot class 9	GSM 1 Tx slot	28.91	28.91	29.15	30.50	22.89	22.93	23.08	24.48
	GPRS 1 Tx slot	28.92	28.99	29.06	30.50				
DTM Multi-slot class 11	GSM 1 Tx slot	27.24	27.17	27.26	28.70	22.97	23.00	23.02	24.44
	GPRS 2 Tx slots	27.22	27.30	27.29	28.70				
DTM Multi-slot class 5	GSM 1 Tx slot	28.93	28.98	29.04	30.50	21.01	21.09	21.09	22.55
	EDGE 1 Tx slot	23.59	23.75	23.55	25.00				
DTM Multi-slot class 9	GSM 1 Tx slot	28.85	29.00	29.09	30.50	20.93	21.08	21.10	22.55
	EDGE 1 Tx slot	23.50	23.65	23.43	25.00				
DTM Multi-slot class 11	GSM 1 Tx slot	27.31	27.22	27.25	28.70	20.17	20.20	20.12	



Band 4_Ant 4										
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)	LFM (dB)	
Channel: 1720, 20175, 20370										
Frequency (MHz)										
20	QPSK	1	0	19.32	19.49	19.41	20.5	0		
20	QPSK	1	48	19.46	19.54	19.31	20.5	0		
20	QPSK	1	96	19.50	19.58	19.26	20.5	0		
20	QPSK	50	0	19.51	19.52	19.47	20.5	0		
20	QPSK	50	24	19.53	19.55	19.44	20.5	0		
20	QPSK	50	48	19.54	19.56	19.42	20.5	0		
20	QPSK	100	0	19.58	19.48	19.42	20.5	0		
20	16QAM	1	0	19.60	19.62	19.45	20.5	0		
20	16QAM	1	48	19.62	19.64	19.43	20.5	0		
20	16QAM	1	96	19.53	19.28	19.43	20.5	0		
20	16QAM	50	0	19.55	19.55	19.41	20.5	0		
20	16QAM	50	24	19.46	19.20	19.40	20.5	0		
20	16QAM	50	48	19.38	19.20	19.44	20.5	0		
20	16QAM	100	0	19.48	19.20	19.44	20.5	0		
20	16QAM	100	24	19.20	19.20	19.46	20.5	0		
20	16QAM	100	48	19.22	19.20	19.46	20.5	0		
20	16QAM	100	96	19.23	19.28	19.46	20.5	0		
20	16QAM	500	0	19.48	19.20	19.44	20.5	0		
20	16QAM	500	24	19.46	19.20	19.46	20.5	0		
20	16QAM	500	48	19.42	19.20	19.46	20.5	0		
20	16QAM	500	96	19.40	19.20	19.46	20.5	0		
20	16QAM	500	192	19.39	19.20	19.46	20.5	0		
20	16QAM	500	384	19.38	19.20	19.46	20.5	0		
20	16QAM	500	768	19.37	19.20	19.46	20.5	0		
20	16QAM	500	1536	19.36	19.20	19.46	20.5	0		
20	16QAM	500	3072	19.35	19.20	19.46	20.5	0		
20	16QAM	500	6144	19.34	19.20	19.46	20.5	0		
20	16QAM	500	12288	19.33	19.20	19.46	20.5	0		
20	16QAM	500	24576	19.32	19.20	19.46	20.5	0		
20	16QAM	500	49152	19.31	19.20	19.46	20.5	0		
20	16QAM	500	98304	19.30	19.20	19.46	20.5	0		
20	16QAM	500	196608	19.29	19.20	19.46	20.5	0		
20	16QAM	500	393216	19.28	19.20	19.46	20.5	0		
20	16QAM	500	786432	19.27	19.20	19.46	20.5	0		
20	16QAM	500	1572864	19.26	19.20	19.46	20.5	0		
20	16QAM	500	3145728	19.25	19.20	19.46	20.5	0		
20	16QAM	500	6291456	19.24	19.20	19.46	20.5	0		
20	16QAM	500	12582912	19.23	19.20	19.46	20.5	0		
20	16QAM	500	25165824	19.22	19.20	19.46	20.5	0		
20	16QAM	500	50331648	19.21	19.20	19.46	20.5	0		
20	16QAM	500	100663296	19.20	19.20	19.46	20.5	0		
20	16QAM	500	201326592	19.19	19.20	19.46	20.5	0		
20	16QAM	500	402653184	19.18	19.20	19.46	20.5	0		
20	16QAM	500	805306368	19.17	19.20	19.46	20.5	0		
20	16QAM	500	1610612736	19.16	19.20	19.46	20.5	0		
20	16QAM	500	3221225472	19.15	19.20	19.46	20.5	0		
20	16QAM	500	6442450944	19.14	19.20	19.46	20.5	0		
20	16QAM	500	12884901888	19.13	19.20	19.46	20.5	0		
20	16QAM	500	25769803776	19.12	19.20	19.46	20.5	0		
20	16QAM	500	51539607552	19.11	19.20	19.46	20.5	0		
20	16QAM	500	103079215104	19.10	19.20	19.46	20.5	0		
20	16QAM	500	206158430208	19.09	19.20	19.46	20.5	0		
20	16QAM	500	412316860416	19.08	19.20	19.46	20.5	0		
20	16QAM	500	824633720832	19.07	19.20	19.46	20.5	0		
20	16QAM	500	1649267441664	19.06	19.20	19.46	20.5	0		
20	16QAM	500	3298534883328	19.05	19.20	19.46	20.5	0		
20	16QAM	500	6597069766656	19.04	19.20	19.46	20.5	0		
20	16QAM	500	13194139533312	19.03	19.20	19.46	20.5	0		
20	16QAM	500	26388279066624	19.02	19.20	19.46	20.5	0		
20	16QAM	500	52776558133248	19.01	19.20	19.46	20.5	0		
20	16QAM	500	105553116266496	19.00	19.20	19.46	20.5	0		
20	16QAM	500	211106232532992	18.99	19.20	19.46	20.5	0		
20	16QAM	500	422212465065984	18.98	19.20	19.46	20.5	0		
20	16QAM	500	844424930131968	18.97	19.20	19.46	20.5	0		
20	16QAM	500	1688849860263936	18.96	19.20	19.46	20.5	0		
20	16QAM	500	3377699720527872	18.95	19.20	19.46	20.5	0		
20	16QAM	500	6755399441055744	18.94	19.20	19.46	20.5	0		
20	16QAM	500	13510798882111488	18.93	19.20	19.46	20.5	0		
20	16QAM	500	27021597764222976	18.92	19.20	19.46	20.5	0		
20	16QAM	500	54043195528445952	18.91	19.20	19.46	20.5	0		
20	16QAM	500	10808639105689184	18.90	19.20	19.46	20.5	0		
20	16QAM	500	21617278211378368	18.89	19.20	19.46	20.5	0		
20	16QAM	500	43234556422756736	18.88	19.20	19.46	20.5	0		
20	16QAM	500	86469112845513472	18.87	19.20	19.46	20.5	0		
20	16QAM	500	172938225691068144	18.86	19.20	19.46	20.5	0		
20	16QAM	500	345876451382136288	18.85	19.20	19.46	20.5	0		
20	16QAM	500	691752902764272576	18.84	19.20	19.46	20.5	0		
20	16QAM	500	1383505805528545152	18.83	19.20	19.46	20.5	0		
20	16QAM	500	2767011611057090304	18.82	19.20	19.46	20.5	0		
20	16QAM	500	5534023222114180608	18.81	19.20	19.46	20.5	0		
20	16QAM	500	11068046442358361216	18.80	19.20	19.46	20.5	0		
20	16QAM	500	22136092884716722432	18.79	19.20	19.46	20.5	0		
20	16QAM	500	44272185769433444864	18.78	19.20	19.46	20.5	0		
20	16QAM	500	88544371538866889728	18.77	19.20	19.46	20.5	0		
20	16QAM	500	177088743077733779456	18.76	19.20	19.46	20.5	0		
20	16QAM	500	354177486155467558912	18.75	19.20	19.46	20.5	0		
20	16QAM	500	708354972310935117824	18.74	19.20	19.46	20.5	0		
20	16QAM	500	141670994462187023744	18.73	19.20	19.46	20.5	0		
20	16QAM	500	283341988924374047488	18.72	19.20	19.46	20.5	0		
20	16QAM	500	566683977848748094976	18.71	19.20	19.46	20.5	0		
20	16QAM	500	1133367955697496189952	18.70	19.20	19.46	20.5	0		
20	16QAM	500	2266735911394992379904	18.69	19.20	19.46	20.5	0		
20	16QAM	500	4533471822789984759808	18.68	19.20	19.46	20.5	0		
20	16QAM	500	9066943645579969519616	18.67	19.20	19.46	20.5	0		
20	16QAM	500	1813388729115939033824	18.66	19.20	19.46	20.5	0		
20	16QAM	500	3626777458231878067648	18.65	19.20	19.46	20.5	0		
20	16QAM	500	7253554916463756135296	18.64	19.20	19.46	20.5	0		
20	16QAM	500	1450710923292751227104	18.63	19.20	19.46	20.5	0		
20	16QAM	500	2901421846585502454208	18.62	19.20	19.46	20.5	0		
20	16QAM	500	5802843693171004908416	18.61	19.20	19.46	20.5	0		
20	16QAM	500	11605687386342009816832	18.60	19.20	19.46	20.5	0		
20	16QAM	500	23211374772684019633664	18.59	19.20	19.46	20.5	0		
20	16QAM	500	46422749545368039267328	18.58	19.20	19.46	20.5	0		
20	16QAM	500	92845499090736078534656	18.57	19.20	19.46	20.5	0		
20	16QAM	500	185690998181472157069312	18.56	19.20	19.46	20.5	0		
20	16QAM	500	371381996362944314138624	18.55	19.20	19.46	20.5	0		
20	16QAM	500	742763992725888628277248	18.54	19.20	19.46	20.5	0		
20	16QAM	500	14855279455117772564544	18.53	19.20	19.46	20.5	0		
20	16QAM</									



Band 7_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up (sec)	MPR (dB)	UEI (dB)	
Channel Frequency (MHz)										
				2150	2150	2150				
20	QPSK	1	0	20.35	20.72	20.65				
20	QPSK	1	48	20.44	20.62	20.61	21.5	0		
20	QPSK	50	0	20.32	20.52	20.52	21.5	0		
20	QPSK	50	48	20.32	20.52	20.52	21.5	0		
20	QPSK	50	0	20.32	20.52	20.52	21.5	0		
20	QPSK	100	0	20.30	20.48	20.41				
20	TEGAM	1	0	20.47	20.70	20.63	21.5	0		
20	TEGAM	50	0	20.28	20.20	20.20	21.5	0		
20	TEGAM	1	48	20.34	20.38	20.60				
20	TEGAM	50	0	20.46	20.53	20.58				
20	TEGAM	50	48	20.46	20.53	20.58				
20	TEGAM	50	0	20.27	20.51	20.43	21.5	0		
20	TEGAM	100	0	20.29	20.20	20.36				
20	TEGAM	100	48	20.28	20.41	20.38				
20	SDGAM	1	48	20.32	20.52	20.52	21.5	0		
20	SDGAM	1	96	20.40	20.54	20.52				
20	SDGAM	50	0	20.49	20.52	20.51				
20	SDGAM	50	48	20.34	20.48	20.46	21.5	0		
20	SDGAM	50	0	20.28	20.41	20.38				
20	SDGAM	100	0	18.27	18.20	18.22	19.5	2		
20	SDGAM	1	48	18.38	18.36	18.43				
20	SDGAM	50	0	18.28	18.30	18.31	19.5	2		
20	SDGAM	50	48	18.23	18.20	18.28				
20	SDGAM	100	0	18.28	18.20	18.24	19.5	2		
20	SDGAM	100	48	18.23	18.20	18.24				
Channel Frequency (MHz)										
				2150	2150	2150				
15	QPSK	1	0	20.33	20.67	20.63				
15	QPSK	1	37	20.39	20.60	20.53	21.5	0		
15	QPSK	1	74	20.42	20.63	20.61				
15	QPSK	38	0	20.42	20.62	20.62	21.5	0		
15	QPSK	38	20	20.24	20.48	20.38				
15	QPSK	38	0	20.32	20.52	20.52	21.5	0		
15	QPSK	75	0	20.18	20.41	20.40				
15	TEGAM	1	0	20.46	20.63	20.60	21.5	0		
15	TEGAM	37	0	20.28	20.20	20.21	21.5	0		
15	TEGAM	1	74	20.33	20.37	20.49				
15	TEGAM	38	0	20.38	20.44	20.52	21.5	0		
15	TEGAM	38	20	20.17	20.47	20.38				
15	TEGAM	38	0	20.17	20.47	20.38	21.5	0		
15	TEGAM	75	0	20.27	20.53	20.54				
15	TEGAM	75	0	20.21	20.52	20.52	21.5	0		
15	SDGAM	1	74	20.38	20.47	20.42				
15	SDGAM	38	0	20.49	20.52	20.53	21.5	0		
15	SDGAM	38	20	20.20	20.45	20.43				
15	SDGAM	38	0	20.24	20.48	20.45	21.5	0		
15	SDGAM	75	0	18.25	18.19	18.24	19.5	2		
15	SDGAM	75	0	18.21	18.20	18.20				
15	SDGAM	38	20	18.25	18.20	18.25	19.5	2		
15	SDGAM	38	0	18.19	18.21	18.23				
15	SDGAM	75	0	18.18	18.22	18.18	19.5	2		
Channel Frequency (MHz)										
				2150	2150	2150				
10	QPSK	1	0	20.40	20.61	20.58				
10	QPSK	1	25	20.35	20.60	20.52	21.5	0		
10	QPSK	1	50	20.42	20.63	20.61				
10	QPSK	25	0	20.40	20.58	20.54	21.5	0		
10	QPSK	25	12	20.27	20.43	20.44				
10	QPSK	25	0	20.32	20.52	20.52	21.5	0		
10	QPSK	50	0	20.23	20.41	20.39				
10	TEGAM	1	0	20.35	20.64	20.61	21.5	0		
10	TEGAM	12	0	20.11	20.37	20.38	21.5	0		
10	TEGAM	1	48	20.28	20.48	20.48				
10	TEGAM	25	0	20.47	20.63	20.56				
10	TEGAM	25	12	20.11	20.37	20.38	21.5	0		
10	TEGAM	25	0	20.25	20.49	20.38				
10	TEGAM	50	0	20.24	20.43	20.24	21.5	0		
10	SDGAM	1	0	20.44	20.68	20.60				
10	SDGAM	1	24	20.24	20.49	20.52				
10	SDGAM	12	0	20.39	20.51	20.46	21.5	0		
10	SDGAM	12	12	20.11	20.37	20.38				
10	SDGAM	12	0	20.26	20.52	20.26	21.5	0		
10	SDGAM	25	0	20.45	20.69	20.57				
10	SDGAM	25	12	20.20	20.43	20.41	21.5	0		
10	SDGAM	50	0	20.17	20.34	20.32				
10	SDGAM	50	48	18.20	18.23	18.21	19.5	2		
10	SDGAM	50	0	18.20	18.20	18.20				
10	SDGAM	12	12	18.21	18.20	18.21	19.5	2		
10	SDGAM	12	0	18.13	18.12	18.18				
10	SDGAM	25	0	18.11	18.27	18.18	19.5	2		

Band 7_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Time-up (sec)	MPR (dB)	UEI (dB)	
Channel Frequency (MHz)										
				2150	2150	2150				
20	QPSK	1	0	21.00	21.08	21.06				
20	QPSK	1	48	21.05	21.07	21.09	24.5	0		
20	QPSK	50	0	21.00	21.00	21.05				
20	QPSK	50	48	21.02	21.07	21.03				
20	QPSK	50	0	21.00	21.00	21.05	21.5	1		
20	QPSK	100	0	21.00	21.00	21.05				
20	TEGAM	1	0	21.16	21.16	21.04	23.5	1		
20	TEGAM	1	48	21.05	21.04	21.08				
20	TEGAM	50	0	21.01	21.01	21.08				
20	TEGAM	50	48	21.09	21.06	21.02	22.5	2		
20	TEGAM	50	0	21.09	21.06	21.02				
20	TEGAM	100	0	21.07	21.02	21.04				
20	TEGAM	100	48	21.08	21.04	21.02	22.5	2		
20	SDGAM	1	48	21.02	21.06	21.02	21.5	3		
20	SDGAM	1	96	21.10	21.06	21.02				
20	SDGAM	50	0	19.01	19.05	19.04	19.5	5		
20	SDGAM	50	48	19.07	19.02	19.04				
20	SDGAM	100	0	19.07	19.02	19.04	19.5	5		
20	SDGAM	100	48	19.08	19.06	19.01				
Channel Frequency (MHz)										
				2150	2150	2150				
15	QPSK	1	0	21.07	21.07	21.02				
15	QPSK	1	37	21.04	21.02	21.08	24.5	0		
15	QPSK	1	74	21.01	21.04	21.03				
15	QPSK	38	0	21.00	21.01	21.08	21.5	1		
15	QPSK	38	20	21.00	21.02	21.07				
15	QPSK	38	0	21.00	21.02	21.08	21.5	1		
15	TEGAM	1	0	21.15	21.13	21.09	23.5	1		
15	TEGAM	1	48	21.04	21.03	21.02				
15	TEGAM	1	74	21.03	21.03	21.07				
15	TEGAM	38	0	21.08	21.04	21.02	22.5	2		
15	TEGAM	38	20	21.08	21.06	21.06				
15	TEGAM	38	0	21.07	21.02	21.08	22.5	2		
15	TEGAM	75	0	21.07	21.02	21.08				
15	TEGAM	75	0	21.01	21.06	21.02	21.5	3		
15	TEGAM	75	20	21.00	21.00	21.02				
15	SDGAM	1	74	20.99	20.99	20.97	21.5	5		
15	SDGAM	38	0	19.03	19.06	19.02	19.5	5		
15	SDGAM	38	20	19.05	19.00	19.00				
15	SDGAM	75	0	18.08	18.01	18.09	19.5	5		
15	SDGAM	75	0	18.08	18.01	18.09				
Channel Frequency (MHz)										
				2150	2150	2150				
10	QPSK	1	0	21.04	21.01	21.06				
10	QPSK	1	25	21.00	21.00	21.01	24.5	0		
10	QPSK	1	50	21.03	21.06	21.07				
10	QPSK	25	0	21.03	21.08	21.01	21.5	1		
10</										



Band 25_Ant 2										
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turnup (min)	MPR (dB)		
Channel: 2610, 2615, 2620										
20	QPSK	1	0	20.08	20.03	20.01	22	0		
20	QPSK	1	40	20.80	20.85	20.71				
20	QPSK	3	0	20.16	20.11	20.09				
20	QPSK	3	40	20.88	20.93	20.79				
20	QPSK	50	0	20.04	20.01	20.06				
20	QPSK	50	40	20.76	20.84	20.68				
20	QPSK	50	80	20.08	20.06	20.05				
20	QPSK	100	0	20.07	20.02	20.04				
20	QPSK	100	40	20.34	20.62	20.70				
20	QPSK	100	80	20.08	20.03	20.08				
20	QPSK	150	0	20.04	20.03	20.01				
20	QPSK	150	40	20.08	20.02	20.01				
20	QPSK	150	80	20.73	20.81	20.68				
20	QPSK	150	120	20.08	20.74	20.61				
20	QPSK	150	160	20.05	20.06	20.20				
20	QPSK	150	200	20.76	20.84	20.61				
20	QPSK	150	240	20.08	20.80	20.60				
20	QPSK	150	280	20.04	20.52	20.41				
20	QPSK	150	320	20.09	20.27	20.41				
20	QPSK	150	360	20.03	20.51	20.43				
20	QPSK	150	400	20.04	20.52	20.41				
20	QPSK	150	440	20.09	20.27	20.41				
20	QPSK	150	480	20.03	20.51	20.43				
20	QPSK	150	520	20.04	20.52	20.41				
20	QPSK	150	560	20.09	20.27	20.41				
20	QPSK	150	600	20.03	20.51	20.43				
20	QPSK	150	640	20.04	20.52	20.41				
20	QPSK	150	680	20.09	20.27	20.41				
20	QPSK	150	720	20.03	20.51	20.43				
20	QPSK	150	760	20.04	20.52	20.41				
20	QPSK	150	800	20.09	20.27	20.41				
20	QPSK	150	840	20.03	20.51	20.43				
20	QPSK	150	880	20.04	20.52	20.41				
20	QPSK	150	920	20.09	20.27	20.41				
20	QPSK	150	960	20.03	20.51	20.43				
20	QPSK	150	1000	20.04	20.52	20.41				
20	QPSK	150	1040	20.09	20.27	20.41				
20	QPSK	150	1080	20.03	20.51	20.43				
20	QPSK	150	1120	20.04	20.52	20.41				
20	QPSK	150	1160	20.09	20.27	20.41				
20	QPSK	150	1200	20.03	20.51	20.43				
20	QPSK	150	1240	20.04	20.52	20.41				
20	QPSK	150	1280	20.09	20.27	20.41				
20	QPSK	150	1320	20.03	20.51	20.43				
20	QPSK	150	1360	20.04	20.52	20.41				
20	QPSK	150	1400	20.09	20.27	20.41				
20	QPSK	150	1440	20.03	20.51	20.43				
20	QPSK	150	1480	20.04	20.52	20.41				
20	QPSK	150	1520	20.09	20.27	20.41				
20	QPSK	150	1560	20.03	20.51	20.43				
20	QPSK	150	1600	20.04	20.52	20.41				
20	QPSK	150	1640	20.09	20.27	20.41				
20	QPSK	150	1680	20.03	20.51	20.43				
20	QPSK	150	1720	20.04	20.52	20.41				
20	QPSK	150	1760	20.09	20.27	20.41				
20	QPSK	150	1800	20.03	20.51	20.43				
20	QPSK	150	1840	20.04	20.52	20.41				
20	QPSK	150	1880	20.09	20.27	20.41				
20	QPSK	150	1920	20.03	20.51	20.43				
20	QPSK	150	1960	20.04	20.52	20.41				
20	QPSK	150	2000	20.09	20.27	20.41				
20	QPSK	150	2040	20.03	20.51	20.43				
20	QPSK	150	2080	20.04	20.52	20.41				
20	QPSK	150	2120	20.09	20.27	20.41				
20	QPSK	150	2160	20.03	20.51	20.43				
20	QPSK	150	2200	20.04	20.52	20.41				
20	QPSK	150	2240	20.09	20.27	20.41				
20	QPSK	150	2280	20.03	20.51	20.43				
20	QPSK	150	2320	20.04	20.52	20.41				
20	QPSK	150	2360	20.09	20.27	20.41				
20	QPSK	150	2400	20.03	20.51	20.43				
20	QPSK	150	2440	20.04	20.52	20.41				
20	QPSK	150	2480	20.09	20.27	20.41				
20	QPSK	150	2520	20.03	20.51	20.43				
20	QPSK	150	2560	20.04	20.52	20.41				
20	QPSK	150	2600	20.09	20.27	20.41				
20	QPSK	150	2640	20.03	20.51	20.43				
20	QPSK	150	2680	20.04	20.52	20.41				
20	QPSK	150	2720	20.09	20.27	20.41				
20	QPSK	150	2760	20.03	20.51	20.43				
20	QPSK	150	2800	20.04	20.52	20.41				
20	QPSK	150	2840	20.09	20.27	20.41				
20	QPSK	150	2880	20.03	20.51	20.43				
20	QPSK	150	2920	20.04	20.52	20.41				
20	QPSK	150	2960	20.09	20.27	20.41				
20	QPSK	150	3000	20.03	20.51	20.43				
20	QPSK	150	3040	20.04	20.52	20.41				
20	QPSK	150	3080	20.09	20.27	20.41				
20	QPSK	150	3120	20.03	20.51	20.43				
20	QPSK	150	3160	20.04	20.52	20.41				
20	QPSK	150	3200	20.09	20.27	20.41				
20	QPSK	150	3240	20.03	20.51	20.43				
20	QPSK	150	3280	20.04	20.52	20.41				
20	QPSK	150	3320	20.09	20.27	20.41				
20	QPSK	150	3360	20.03	20.51	20.43				
20	QPSK	150	3400	20.04	20.52	20.41				
20	QPSK	150	3440	20.09	20.27	20.41				
20	QPSK	150	3480	20.03	20.51	20.43				
20	QPSK	150	3520	20.04	20.52	20.41				
20	QPSK	150	3560	20.09	20.27	20.41				
20	QPSK	150	3600	20.03	20.51	20.43				
20	QPSK	150	3640	20.04	20.52	20.41				
20	QPSK	150	3680	20.09	20.27	20.41				
20	QPSK	150	3720	20.03	20.51	20.43				
20	QPSK	150	3760	20.04	20.52	20.41				
20	QPSK	150	3800	20.09	20.27	20.41				
20	QPSK	150	3840	20.03	20.51	20.43				
20	QPSK	150	3880	20.04	20.52	20.41				
20	QPSK	150	3920	20.09	20.27	20.41				
20	QPSK	150	3960	20.03	20.51	20.43				
20	QPSK	150	4000	20.04	20.52	20.41				
20	QPSK	150	4040	20.09	20.27	20.41				
20	QPSK	150	4080	20.03	20.51	20.43				
20	QPSK	150	4120	20.04	20.52	20.41				
20	QPSK	150	4160	20.09	20.27	20.41				
20	QPSK	150	4200	20.03	20.51	20.43				
20	QPSK	150	4240	20.04	20.52	20.41				
20	QPSK	150	4280	20.09	20.27	20.41				
20	QPSK	150	4320	20.03	20.51	20.43				
20	QPSK	150	4360	20.04	20.52	20.41				
20	QPSK	150	4400	20.09	20.27	20.41				
20	QPSK	150	4440	20.03	20.51	20.43				
20	QPSK	150	4480	20.04	20.52	20.41				
20	QPSK	150	4520	20.09	20.27	20.41				
20	QPSK	150	4560	20.03	20.51	20.43				
20	QPSK	150	4600	20.04	20.52	20.41				
20	QPSK	150	4640	20.09	20.27	20.41				



Band 26(FCC)_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turnup (min)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.45	23.45	23.55	24.5	0		
15	QPSK	1	37	23.31	23.34	23.28				
15	QPSK	1	44	23.15	23.12	23.18				
15	QPSK	36	0	22.47	22.49	22.45	23.5	1		
15	QPSK	36	30	22.45	22.34	22.42				
15	QPSK	36	20	22.29	22.29	22.29				
15	QPSK	75	0	22.47	22.45	22.31				
15	HQAM	1	0	22.55	22.43	22.67	23.5	1		
15	HQAM	1	37	22.51	22.28	22.51				
15	HQAM	1	14	22.63	22.53	22.56				
15	HQAM	36	0	21.48	21.45	21.37	22.5	2		
15	HQAM	36	30	21.53	21.46	21.45				
15	HQAM	36	36	21.43	21.45	21.38				
15	HQAM	75	0	21.48	21.38	21.42				
15	HQAM	1	0	21.82	21.57	21.25	22.5	2		
15	HQAM	1	37	21.57	21.58	21.44				
15	HQAM	1	74	21.54	21.37	21.25				
15	HQAM	36	0	20.48	20.39	20.41	21.5	3		
15	HQAM	36	30	20.45	20.38	20.40				
15	HQAM	36	36	20.48	20.48	20.40				
15	HQAM	75	0	20.48	20.42	20.39				
15	ZSSBAM	1	0	18.62	18.60	18.67	19.5	5		
15	ZSSBAM	1	37	18.67	18.68	18.68				
15	ZSSBAM	1	44	18.63	18.62	18.68				
15	ZSSBAM	36	0	18.52	18.48	18.53	19.5	5		
15	ZSSBAM	36	30	18.47	18.46	18.47				
15	ZSSBAM	36	36	18.53	18.53	18.53				
15	ZSSBAM	75	0	18.54	18.55	18.54				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.33	23.30	23.31	24.5	0		
10	QPSK	1	35	23.30	23.28	23.17				
10	QPSK	1	44	23.15	23.12	23.18				
10	QPSK	25	0	22.40	22.41	22.43	23.5	1		
10	QPSK	25	12	22.41	22.27	22.37				
10	QPSK	25	20	22.41	22.27	22.37				
10	QPSK	50	0	22.38	22.40	22.38				
10	HQAM	1	0	22.48	22.32	22.57	23.5	1		
10	HQAM	1	37	22.44	22.28	22.48				
10	HQAM	1	48	22.64	22.51	22.48				
10	HQAM	25	0	21.44	21.44	21.28	22.5	2		
10	HQAM	25	14	21.45	21.34	21.45				
10	HQAM	25	25	21.40	21.42	21.28				
10	HQAM	50	0	21.45	21.24	21.34				
10	HQAM	1	0	21.44	21.52	21.44	22.5	2		
10	HQAM	1	35	21.51	21.55	21.34				
10	HQAM	1	49	21.48	21.34	21.28				
10	HQAM	25	0	20.45	20.34	20.36	21.5	3		
10	HQAM	25	12	20.38	20.32	20.30				
10	HQAM	25	20	20.44	20.35	20.34				
10	ZSSBAM	1	0	18.61	18.60	18.67	19.5	5		
10	ZSSBAM	1	35	18.71	18.72	18.67				
10	ZSSBAM	1	44	18.65	18.65	18.67				
10	ZSSBAM	25	0	18.53	18.56	18.49	19.5	5		
10	ZSSBAM	25	12	18.44	18.47	18.47				
10	ZSSBAM	25	20	18.53	18.55	18.54				
10	ZSSBAM	50	0	18.55	18.58	18.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.32	23.30	23.30	24.5	0		
5	QPSK	1	12	23.30	23.33	23.27				
5	QPSK	1	34	23.15	23.16	23.18				
5	QPSK	12	0	22.38	22.40	22.38	23.5	1		
5	QPSK	12	7	22.39	22.31	22.37				
5	QPSK	12	13	22.41	22.31	22.38				
5	QPSK	25	0	22.39	22.43	22.38				
5	HQAM	1	0	22.52	22.34	22.68	23.5	1		
5	HQAM	1	34	22.64	22.52	22.45				
5	HQAM	12	0	21.40	21.38	21.30	22.5	2		
5	HQAM	12	7	21.45	21.34	21.37				
5	HQAM	12	13	21.38	21.38	21.38				
5	HQAM	25	0	21.44	21.32	21.40				
5	HQAM	1	0	21.50	21.58	21.41	22.5	2		
5	HQAM	1	12	21.53	21.49	21.30				
5	HQAM	1	24	21.48	21.34	21.28				
5	HQAM	12	0	20.40	20.33	20.30	21.5	3		
5	HQAM	12	7	20.43	20.33	20.31				
5	HQAM	12	13	20.48	20.42	20.34				
5	ZSSBAM	1	0	18.62	18.60	18.67	19.5	5		
5	ZSSBAM	1	12	18.71	18.68	18.67				
5	ZSSBAM	1	14	18.62	18.62	18.61				
5	ZSSBAM	12	0	18.50	18.53	18.49	19.5	5		
5	ZSSBAM	12	7	18.44	18.47	18.47				
5	ZSSBAM	12	13	18.53	18.55	18.54				
5	ZSSBAM	25	0	18.54	18.52	18.54				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.32	23.30	23.30	24.5	0		
3	QPSK	1	8	23.28	23.29	23.22				
3	QPSK	1	14	23.14	23.15	23.18				
3	QPSK	8	0	22.40	22.40	22.40	23.5	1		
3	QPSK	8	4	22.38	22.33	22.37				
3	QPSK	8	11	22.43	22.42	22.43				
3	QPSK	15	0	22.45	22.43	22.22				
3	HQAM	1	0	22.48	22.34	22.61	23.5	1		
3	HQAM	1	8	22.64	22.48	22.45				
3	HQAM	8	0	21.40	21.43	21.30	22.5	2		
3	HQAM	8	4	21.45	21.30	21.38				
3	HQAM	8	7	21.34	21.38	21.38				
3	HQAM	15	0	21.40	21.28	21.32				
3	HQAM	1	0	21.50	21.50	21.44	22.5	2		
3	HQAM	1	8	21.53	21.54	21.40				
3	HQAM	8	0	20.40	20.40	20.30	21.5	3		
3	HQAM	8	4	20.39	20.38	20.37				
3	HQAM	8	7	20.41	20.37	20.38				
3	HQAM	15	0	20.42	20.37	20.36				
3	ZSSBAM	1	0	18.65	18.67	18.60	19.5	5		
3	ZSSBAM	1	8	18.72	18.67	18.71				
3	ZSSBAM	1	14	18.61	18.62	18.61				
3	ZSSBAM	8	0	18.49	18.49	18.54	19.5	5		
3	ZSSBAM	8	4	18.47	18.50	18.48				
3	ZSSBAM	8	7	18.52	18.55	18.54				
3	ZSSBAM	15	0	18.51	18.50	18.54				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.29	23.30	23.30	24.5	0		
1.4	QPSK	1	3	23.21	23.32	23.22				
1.4	QPSK	1	5	23.16	23.15	23.15				
1.4	QPSK	3	0	22.19	22.37	22.17	23.5	1		
1.4	QPSK	3	1	22.14	22.31	22.15				
1.4	QPSK	3	3	22.08	22.02	22.05				
1.4	QPSK	6	0	22.48	22.42	22.21	23.5	1		
1.4	HQAM	1	0	22.53	22.40	22.66	23.5	1		
1.4	HQAM	1	3	22.43	22.61	22.45				
1.4	HQAM	1	5	22.58	22.47	22.40				
1.4	HQAM	3	0	22.48	22.36	22.64	22.5	1		
1.4	HQAM	3	1	22.41	22.58	22.39				
1.4	HQAM	3	3	22.52	22.40	22.48				
1.4	HQAM	6	0	21.37	21.28	21.40	22.5	2		
1.4	HQAM	6	0	21.33	21.48	21.41				
1.4	HQAM	1	3	21.45	21.47	21.42				
1.4	HQAM	1	5	21.47	21.35	21.28	22.5	2		
1.4	HQAM	3	0	21.52	21.45	21.38				
1.4	HQAM	3	1	21.43	21.39	21.34				
1.4	HQAM	3	3	21.46	21.37	21.38				
1.4	HQAM	6	0	20.39	20.37	20.31	21.5	3		
1.4	ZSSBAM	1	0	18.65						



Band 66_Ant 2										
RV (MHz)	Modulation	RS (MHz)	RS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up Time (sec)	MPR (dB)	LPF (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.02	22.02	22.02				
20	QPSK	1	48	22.02	22.02	22.02	23.5	0		
20	QPSK	1	96	22.02	22.02	22.02				
20	QPSK	50	0	22.02	22.02	22.02				
20	QPSK	50	24	22.02	22.02	22.02	23.5	0		
20	QPSK	50	48	22.02	22.02	22.02				
20	QPSK	100	0	22.02	22.02	22.02				
20	QPSK	100	12	22.02	22.02	22.02	23.5	0		
20	QPSK	100	24	22.02	22.02	22.02				
20	QPSK	100	36	22.02	22.02	22.02	23.5	0		
20	QPSK	100	48	22.02	22.02	22.02				
20	QPSK	100	60	22.02	22.02	22.02	23.5	0		
20	QPSK	100	72	22.02	22.02	22.02				
20	QPSK	100	84	22.02	22.02	22.02	23.5	0		
20	QPSK	100	96	22.02	22.02	22.02				
20	QPSK	100	108	22.02	22.02	22.02	23.5	0		
20	QPSK	100	120	22.02	22.02	22.02				
20	QPSK	100	132	22.02	22.02	22.02	23.5	0		
20	QPSK	100	144	22.02	22.02	22.02				
20	QPSK	100	156	22.02	22.02	22.02	23.5	0		
20	QPSK	100	168	22.02	22.02	22.02				
20	QPSK	100	180	22.02	22.02	22.02	23.5	0		
20	QPSK	100	192	22.02	22.02	22.02				
20	QPSK	100	204	22.02	22.02	22.02	23.5	0		
20	QPSK	100	216	22.02	22.02	22.02				
20	QPSK	100	228	22.02	22.02	22.02	23.5	0		
20	QPSK	100	240	22.02	22.02	22.02				
20	QPSK	100	252	22.02	22.02	22.02	23.5	0		
20	QPSK	100	264	22.02	22.02	22.02				
20	QPSK	100	276	22.02	22.02	22.02	23.5	0		
20	QPSK	100	288	22.02	22.02	22.02				
20	QPSK	100	300	22.02	22.02	22.02	23.5	0		
20	QPSK	100	312	22.02	22.02	22.02				
20	QPSK	100	324	22.02	22.02	22.02	23.5	0		
20	QPSK	100	336	22.02	22.02	22.02				
20	QPSK	100	348	22.02	22.02	22.02	23.5	0		
20	QPSK	100	360	22.02	22.02	22.02				
20	QPSK	100	372	22.02	22.02	22.02	23.5	0		
20	QPSK	100	384	22.02	22.02	22.02				
20	QPSK	100	396	22.02	22.02	22.02	23.5	0		
20	QPSK	100	408	22.02	22.02	22.02				
20	QPSK	100	420	22.02	22.02	22.02	23.5	0		
20	QPSK	100	432	22.02	22.02	22.02				
20	QPSK	100	444	22.02	22.02	22.02	23.5	0		
20	QPSK	100	456	22.02	22.02	22.02				
20	QPSK	100	468	22.02	22.02	22.02	23.5	0		
20	QPSK	100	480	22.02	22.02	22.02				
20	QPSK	100	492	22.02	22.02	22.02	23.5	0		
20	QPSK	100	504	22.02	22.02	22.02				
20	QPSK	100	516	22.02	22.02	22.02	23.5	0		
20	QPSK	100	528	22.02	22.02	22.02				
20	QPSK	100	540	22.02	22.02	22.02	23.5	0		
20	QPSK	100	552	22.02	22.02	22.02				
20	QPSK	100	564	22.02	22.02	22.02	23.5	0		
20	QPSK	100	576	22.02	22.02	22.02				
20	QPSK	100	588	22.02	22.02	22.02	23.5	0		
20	QPSK	100	600	22.02	22.02	22.02				
20	QPSK	100	612	22.02	22.02	22.02	23.5	0		
20	QPSK	100	624	22.02	22.02	22.02				
20	QPSK	100	636	22.02	22.02	22.02	23.5	0		
20	QPSK	100	648	22.02	22.02	22.02				
20	QPSK	100	660	22.02	22.02	22.02	23.5	0		
20	QPSK	100	672	22.02	22.02	22.02				
20	QPSK	100	684	22.02	22.02	22.02	23.5	0		
20	QPSK	100	696	22.02	22.02	22.02				
20	QPSK	100	708	22.02	22.02	22.02	23.5	0		
20	QPSK	100	720	22.02	22.02	22.02				
20	QPSK	100	732	22.02	22.02	22.02	23.5	0		
20	QPSK	100	744	22.02	22.02	22.02				
20	QPSK	100	756	22.02	22.02	22.02	23.5	0		
20	QPSK	100	768	22.02	22.02	22.02				
20	QPSK	100	780	22.02	22.02	22.02	23.5	0		
20	QPSK	100	792	22.02	22.02	22.02				
20	QPSK	100	804	22.02	22.02	22.02	23.5	0		
20	QPSK	100	816	22.02	22.02	22.02				
20	QPSK	100	828	22.02	22.02	22.02	23.5	0		
20	QPSK	100	840	22.02	22.02	22.02				
20	QPSK	100	852	22.02	22.02	22.02	23.5	0		
20	QPSK	100	864	22.02	22.02	22.02				
20	QPSK	100	876	22.02	22.02	22.02	23.5	0		
20	QPSK	100	888	22.02	22.02	22.02				
20	QPSK	100	900	22.02	22.02	22.02	23.5	0		
20	QPSK	100	912	22.02	22.02	22.02				
20	QPSK	100	924	22.02	22.02	22.02	23.5	0		
20	QPSK	100	936	22.02	22.02	22.02				
20	QPSK	100	948	22.02	22.02	22.02	23.5	0		
20	QPSK	100	960	22.02	22.02	22.02				
20	QPSK	100	972	22.02	22.02	22.02	23.5	0		
20	QPSK	100	984	22.02	22.02	22.02				
20	QPSK	100	996	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1008	22.02	22.02	22.02				
20	QPSK	100	1020	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1032	22.02	22.02	22.02				
20	QPSK	100	1044	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1056	22.02	22.02	22.02				
20	QPSK	100	1068	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1080	22.02	22.02	22.02				
20	QPSK	100	1092	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1104	22.02	22.02	22.02				
20	QPSK	100	1116	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1128	22.02	22.02	22.02				
20	QPSK	100	1140	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1152	22.02	22.02	22.02				
20	QPSK	100	1164	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1176	22.02	22.02	22.02				
20	QPSK	100	1188	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1200	22.02	22.02	22.02				
20	QPSK	100	1212	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1224	22.02	22.02	22.02				
20	QPSK	100	1236	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1248	22.02	22.02	22.02				
20	QPSK	100	1260	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1272	22.02	22.02	22.02				
20	QPSK	100	1284	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1296	22.02	22.02	22.02				
20	QPSK	100	1308	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1320	22.02	22.02	22.02				
20	QPSK	100	1332	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1344	22.02	22.02	22.02				
20	QPSK	100	1356	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1368	22.02	22.02	22.02				
20	QPSK	100	1380	22.02	22.02	22.02	23.5	0		
20	QPSK	100	1392	22.02	22.02	22.02				
20	QPS									



Band 71_Ant 0										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (Freq.)	Power High Ch. (Freq.)	Power High Ch. (Freq.)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.73	23.85	23.77	24.5	0		
20	QPSK	1	48	23.87	23.78	23.71	24.5	0		
20	QPSK	50	20	23.72	23.76	23.80	23.5	1		
20	QPSK	50	0	23.48	22.58	22.51	23.5	1		
20	QPSK	50	24	22.45	22.52	22.50	23.5	1		
20	QPSK	50	48	22.42	22.54	22.56	23.5	1		
20	QPSK	100	0	22.42	22.48	22.38	23.5	1		
20	HQAM	1	0	22.71	22.78	22.68	23.5	1		
20	HQAM	20	24	21.48	21.53	21.46	22.5	2		
20	HQAM	50	50	21.44	21.54	21.51	22.5	2		
20	HQAM	100	0	21.49	21.58	21.47	22.5	2		
20	HQAM	1	48	21.85	21.71	21.66	22.5	2		
20	HQAM	1	48	21.82	21.68	21.65	22.5	2		
20	HQAM	1	96	21.58	21.68	21.62	22.5	2		
20	HQAM	50	24	20.55	20.57	20.48	21.5	3		
20	HQAM	50	50	20.49	20.54	20.47	21.5	3		
20	HQAM	100	0	20.39	20.45	20.38	21.5	3		
20	SSQAM	1	0	18.46	18.53	18.45	19.5	5		
20	SSQAM	1	48	18.43	18.48	18.43	19.5	5		
20	SSQAM	50	20	18.44	18.46	18.45	19.5	5		
20	SSQAM	50	0	18.62	18.66	18.61	19.5	5		
20	SSQAM	50	24	18.42	18.45	18.39	19.5	5		
20	SSQAM	50	48	18.46	18.41	18.38	19.5	5		
20	SSQAM	100	0	18.37	18.43	18.44	19.5	5		
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.70	23.78	23.72	24.5	0		
15	QPSK	1	37	23.58	23.72	23.66	24.5	0		
15	QPSK	1	48	23.46	23.48	23.45	24.5	0		
15	QPSK	36	0	22.44	22.52	22.48	23.5	1		
15	QPSK	36	20	22.42	22.41	22.47	23.5	1		
15	QPSK	36	20	22.38	22.43	22.39	23.5	1		
15	QPSK	78	0	22.38	22.44	22.38	23.5	1		
15	HQAM	1	0	22.65	22.72	22.68	23.5	1		
15	HQAM	20	24	21.44	21.50	21.46	22.5	2		
15	HQAM	1	74	21.73	21.74	21.69	22.5	2		
15	HQAM	36	0	21.45	21.48	21.43	22.5	2		
15	HQAM	36	20	21.42	21.45	21.40	22.5	2		
15	HQAM	36	36	21.33	21.46	21.43	22.5	2		
15	HQAM	75	0	21.45	21.48	21.44	22.5	2		
15	HQAM	1	42	21.39	21.47	21.39	22.5	2		
15	HQAM	1	37	21.56	21.54	21.58	22.5	2		
15	HQAM	1	74	21.50	21.58	21.50	22.5	2		
15	HQAM	36	20	20.51	20.50	20.42	21.5	3		
15	HQAM	36	20	20.46	20.51	20.45	21.5	3		
15	HQAM	36	36	20.47	20.52	20.42	21.5	3		
15	HQAM	78	0	20.32	20.38	20.32	21.5	3		
15	SSQAM	1	0	18.47	18.45	18.52	19.5	5		
15	SSQAM	1	37	18.41	18.41	18.45	19.5	5		
15	SSQAM	50	20	18.44	18.43	18.49	19.5	5		
15	SSQAM	36	0	18.59	18.54	18.50	19.5	5		
15	SSQAM	36	20	18.41	18.44	18.49	19.5	5		
15	SSQAM	36	20	18.44	18.49	18.50	19.5	5		
15	SSQAM	78	0	18.44	18.43	18.39	19.5	5		
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.69	23.74	23.68	24.5	0		
10	QPSK	1	26	23.69	23.74	23.64	24.5	0		
10	QPSK	1	48	23.46	23.48	23.45	24.5	0		
10	QPSK	24	0	22.41	22.52	22.52	23.5	1		
10	QPSK	24	12	22.41	22.51	22.47	23.5	1		
10	QPSK	24	24	22.45	22.38	22.47	23.5	1		
10	QPSK	50	0	22.35	22.39	22.33	23.5	1		
10	HQAM	1	0	22.68	22.67	22.64	23.5	1		
10	HQAM	1	48	22.63	22.67	22.66	23.5	1		
10	HQAM	1	48	22.67	22.71	22.66	23.5	1		
10	HQAM	24	0	21.45	21.43	21.44	22.5	2		
10	HQAM	24	12	21.38	21.53	21.47	22.5	2		
10	HQAM	24	24	21.38	21.45	21.50	22.5	2		
10	HQAM	50	0	21.42	21.44	21.41	22.5	2		
10	HQAM	1	0	21.81	21.60	21.61	22.5	2		
10	HQAM	1	24	21.55	21.66	21.58	22.5	2		
10	HQAM	1	48	21.51	21.59	21.59	22.5	2		
10	HQAM	24	0	20.49	20.54	20.47	21.5	3		
10	HQAM	24	12	20.49	20.51	20.49	21.5	3		
10	HQAM	24	24	20.45	20.48	20.43	21.5	3		
10	HQAM	50	0	20.35	20.43	20.28	21.5	3		
10	SSQAM	1	0	18.49	18.46	18.49	19.5	5		
10	SSQAM	1	24	18.40	18.41	18.42	19.5	5		
10	SSQAM	1	48	18.45	18.47	18.47	19.5	5		
10	SSQAM	24	0	18.62	18.62	18.58	19.5	5		
10	SSQAM	24	12	18.39	18.44	18.49	19.5	5		
10	SSQAM	24	24	18.44	18.49	18.45	19.5	5		
10	SSQAM	50	0	18.39	18.41	18.41	19.5	5		
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.68	23.77	23.72	24.5	0		
5	QPSK	1	12	23.68	23.75	23.66	24.5	0		
5	QPSK	1	24	23.68	23.70	23.63	24.5	0		
5	QPSK	12	0	22.46	22.52	22.51	23.5	1		
5	QPSK	12	7	22.38	22.45	22.44	23.5	1		
5	QPSK	12	13	22.37	22.44	22.36	23.5	1		
5	QPSK	24	0	22.34	22.43	22.28	23.5	1		
5	HQAM	1	0	22.65	22.69	22.60	23.5	1		
5	HQAM	1	12	22.68	22.63	22.62	23.5	1		
5	HQAM	1	24	22.67	22.68	22.68	23.5	1		
5	HQAM	12	0	21.46	21.47	21.47	22.5	2		
5	HQAM	12	7	21.43	21.42	21.43	22.5	2		
5	HQAM	12	13	21.34	21.48	21.43	22.5	2		
5	HQAM	25	0	21.41	21.49	21.39	22.5	2		
5	HQAM	1	0	21.87	21.64	21.60	22.5	2		
5	HQAM	1	12	21.56	21.62	21.60	22.5	2		
5	HQAM	1	24	21.47	21.64	21.54	22.5	2		
5	HQAM	12	0	20.50	20.58	20.46	21.5	3		
5	HQAM	12	7	20.47	20.45	20.46	21.5	3		
5	HQAM	12	13	20.41	20.48	20.39	21.5	3		
5	HQAM	25	0	20.32	20.41	20.28	21.5	3		
5	SSQAM	1	0	18.50	18.45	18.49	19.5	5		
5	SSQAM	1	12	18.45	18.50	18.50	19.5	5		
5	SSQAM	1	24	18.46	18.47	18.47	19.5	5		
5	SSQAM	12	0	18.60	18.65	18.59	19.5	5		
5	SSQAM	12	7	18.41	18.50	18.39	19.5	5		
5	SSQAM	12	13	18.46	18.48	18.44	19.5	5		
5	SSQAM	25	0	18.44	18.41	18.42	19.5	5		

Band 71_Ant 1										
BW (MHz)	Modulation	RB (kHz)	RB Offset	Power Low Ch. (Freq.)	Power High Ch. (Freq.)	Power High Ch. (Freq.)	Time-use (min)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.6	23.73	23.68	24.5	0		
20	QPSK	1	48	23.62	23.70	23.69	24.5	0		
20	QPSK	50	20	23.63	23.68	23.61	23.5	1		
20	QPSK	50	0	23.42	22.48	22.42	23.5	1		
20	QPSK	50	24	22.38	22.46	22.38	23.5	1		
20	QPSK	50	48	22.41	22.41	22.38	23.5	1		
20	QPSK	100	0	22.29	22.38	22.32	23.5	1		
20	HQAM	1	0	22.59	22.66	22.56	23.5	1		
20	HQAM	20	24	21.41	21.50	21.47	22.5	2		
20	HQAM	1	56	22.61	22.65	22.61	22.5	2		
20	HQAM	50	0	21.50	21.48	21.42	22.5	2		
20	HQAM	50	24	21.43	21.50	21.44	22.5	2		
20	HQAM	50	50	21.43	21.50	21.44	22.5	2		
20	HQAM	100	0	21.50	21.43	21.38	22.5	2		



Band 41_Ant 2											
BW (MHz)	Modulation	FS (MHz)	FS Offset	PL (Hz)	PL Offset	PL (Hz)	PL Offset	PL (Hz)	PL Offset	Turn-up (dB)	APRS (dB)
Channel											
Frequency (MHz)		3075	4010	4000	4000	4100	4100	4100	4100		
20	QPSK	1	8	2175	2175	2175	2175	2175	2175		
15	QPSK	1	8	2235	2235	2235	2235	2235	2235	24.5	0
10	QPSK	1	8	2295	2295	2295	2295	2295	2295		
5	QPSK	1	8	2355	2355	2355	2355	2355	2355		
0	QPSK	1	8	2415	2415	2415	2415	2415	2415	23.5	1
5	QPSK	1	8	2475	2475	2475	2475	2475	2475		
10	QPSK	1	8	2535	2535	2535	2535	2535	2535		
15	QPSK	1	8	2595	2595	2595	2595	2595	2595	23.5	1
20	QPSK	1	8	2655	2655	2655	2655	2655	2655		
25	QPSK	1	8	2715	2715	2715	2715	2715	2715		
30	QPSK	1	8	2775	2775	2775	2775	2775	2775		
35	QPSK	1	8	2835	2835	2835	2835	2835	2835		
40	QPSK	1	8	2895	2895	2895	2895	2895	2895		
45	QPSK	1	8	2955	2955	2955	2955	2955	2955		
50	QPSK	1	8	3015	3015	3015	3015	3015	3015		
55	QPSK	1	8	3075	3075	3075	3075	3075	3075		
60	QPSK	1	8	3135	3135	3135	3135	3135	3135		
65	QPSK	1	8	3195	3195	3195	3195	3195	3195		
70	QPSK	1	8	3255	3255	3255	3255	3255	3255		
75	QPSK	1	8	3315	3315	3315	3315	3315	3315		
80	QPSK	1	8	3375	3375	3375	3375	3375	3375		
85	QPSK	1	8	3435	3435	3435	3435	3435	3435		
90	QPSK	1	8	3495	3495	3495	3495	3495	3495		
95	QPSK	1	8	3555	3555	3555	3555	3555	3555		
100	QPSK	1	8	3615	3615	3615	3615	3615	3615		
105	QPSK	1	8	3675	3675	3675	3675	3675	3675		
110	QPSK	1	8	3735	3735	3735	3735	3735	3735		
115	QPSK	1	8	3795	3795	3795	3795	3795	3795		
120	QPSK	1	8	3855	3855	3855	3855	3855	3855		
125	QPSK	1	8	3915	3915	3915	3915	3915	3915		
130	QPSK	1	8	3975	3975	3975	3975	3975	3975		
135	QPSK	1	8	4035	4035	4035	4035	4035	4035		
140	QPSK	1	8	4095	4095	4095	4095	4095	4095		
145	QPSK	1	8	4155	4155	4155	4155	4155	4155		
150	QPSK	1	8	4215	4215	4215	4215	4215	4215		
155	QPSK	1	8	4275	4275	4275	4275	4275	4275		
160	QPSK	1	8	4335	4335	4335	4335	4335	4335		
165	QPSK	1	8	4395	4395	4395	4395	4395	4395		
170	QPSK	1	8	4455	4455	4455	4455	4455	4455		
175	QPSK	1	8	4515	4515	4515	4515	4515	4515		
180	QPSK	1	8	4575	4575	4575	4575	4575	4575		
185	QPSK	1	8	4635	4635	4635	4635	4635	4635		
190	QPSK	1	8	4695	4695	4695	4695	4695	4695		
195	QPSK	1	8	4755	4755	4755	4755	4755	4755		
200	QPSK	1	8	4815	4815	4815	4815	4815	4815		
205	QPSK	1	8	4875	4875	4875	4875	4875	4875		
210	QPSK	1	8	4935	4935	4935	4935	4935	4935		
215	QPSK	1	8	4995	4995	4995	4995	4995	4995		
220	QPSK	1	8	5055	5055	5055	5055	5055	5055		
225	QPSK	1	8	5115	5115	5115	5115	5115	5115		
230	QPSK	1	8	5175	5175	5175	5175	5175	5175		
235	QPSK	1	8	5235	5235	5235	5235	5235	5235		
240	QPSK	1	8	5295	5295	5295	5295	5295	5295		
245	QPSK	1	8	5355	5355	5355	5355	5355	5355		
250	QPSK	1	8	5415	5415	5415	5415	5415	5415		
255	QPSK	1	8	5475	5475	5475	5475	5475	5475		
260	QPSK	1	8	5535	5535	5535	5535	5535	5535		
265	QPSK	1	8	5595	5595	5595	5595	5595	5595		
270	QPSK	1	8	5655	5655	5655	5655	5655	5655		
275	QPSK	1	8	5715	5715	5715	5715	5715	5715		
280	QPSK	1	8	5775	5775	5775	5775	5775	5775		
285	QPSK	1	8	5835	5835	5835	5835	5835	5835		
290	QPSK	1	8	5895	5895	5895	5895	5895	5895		
295	QPSK	1	8	5955	5955	5955	5955	5955	5955		
300	QPSK	1	8	6015	6015	6015	6015	6015	6015		
305	QPSK	1	8	6075	6075	6075	6075	6075	6075		
310	QPSK	1	8	6135	6135	6135	6135	6135	6135		
315	QPSK	1	8	6195	6195	6195	6195	6195	6195		
320	QPSK	1	8	6255	6255	6255	6255	6255	6255		
325	QPSK	1	8	6315	6315	6315	6315	6315	6315		
330	QPSK	1	8	6375	6375	6375	6375	6375	6375		
335	QPSK	1	8	6435	6435	6435	6435	6435	6435		
340	QPSK	1	8	6495	6495	6495	6495	6495	6495		
345	QPSK	1	8	6555	6555	6555	6555	6555	6555		
350	QPSK	1	8	6615	6615	6615	6615	6615	6615		
355	QPSK	1	8	6675	6675	6675	6675	6675	6675		
360	QPSK	1	8	6735	6735	6735	6735	6735	6735		
365	QPSK	1	8	6795	6795	6795	6795	6795	6795		
370	QPSK	1	8	6855	6855	6855	6855	6855	6855		
375	QPSK	1	8	6915	6915	6915	6915	6915	6915		
380	QPSK	1	8	6975	6975	6975	6975	6975	6975		
385	QPSK	1	8	7035	7035	7035	7035	7035	7035		
390	QPSK	1	8	7095	7095	7095	7095	7095	7095		
395	QPSK	1	8	7155	7155	7155	7155	7155	7155		
400	QPSK	1	8	7215	7215	7215	7215	7215	7215		
405	QPSK	1	8	7275	7275	7275	7275	7275	7275		
410	QPSK	1	8	7335	7335	7335	7335	7335	7335		
415	QPSK	1	8	7395	7395	7395	7395	7395	7395		
420	QPSK	1	8	7455	7455	7455	7455	7455	7455		
425	QPSK	1	8	7515	7515	7515	7515	7515	7515		
430	QPSK	1	8	7575	7575	7575	7575	7575	7575		
435	QPSK	1	8	7635	7635	7635	7635	7635	7635		
440	QPSK	1	8	7695	7695	7695	7695	7695	7695		
445	QPSK	1	8	7755	7755	7755	7755	7755	7755		
450	QPSK	1	8	7815	7815	7815	7815	7815	7815		
455	QPSK	1	8	7875	7875	7875	7875	7875	7875		
460	QPSK	1	8	7935	7935	7935	7935	7935	7935		
465	QPSK	1	8	7995	7995	7995	7995	7995	7995		
470	QPSK	1	8	8055	8055	8055	8055	8055	8055		
475	QPSK	1	8	8115	8115	8115	8115	8115	8115		
480	QPSK	1	8	8175	8175	8175	8175	8175	8175		
485	QPSK	1	8	8235	8235	8235	8235	8235	8235		
490	QPSK	1	8	8295	8295	8295	8295	8295	8295		
495	QPSK	1	8	8355	8355	8355	8355	8355	8355		
500	QPSK	1	8	8415	8415	8415	8415	8415	8415		
505	QPSK	1	8	8475	8475	8475	8475	8475	8475		
510	QPSK	1	8	8535	8535	8535	8535	8535	8535		
515	QPSK	1	8	8595	8595	8595	8595	8595	8595		
520	QPSK	1	8	8655	8655	8655	8655	8655	8655		
525	QPSK	1	8	8715	8715	8715	8715	8715	8715		
530	QPSK	1	8	8775	8775						



Part 96_Band 48_Ant 3										
BW (MHz)	Modulation	RF Chan	RF Offset	Power Low (W)	Power High (W)	Power High Ch. 17 (W)	Turn-up (dB)	Agmt (dB)	Notes	
Channel										
				5000	5000	5000	5000			
Frequency (MHz)										
				3600	3600	3600	3600			
20	QPSK	1	0	22.76	22.76	22.76	22.76		24.5	0
20	QPSK	1	0	22.88	22.88	22.88	22.88			
20	QPSK	1	0	22.99	22.99	22.99	22.99			
20	QPSK	1	0	23.11	23.11	23.11	23.11			
20	QPSK	1	0	23.22	23.22	23.22	23.22			
20	QPSK	1	0	23.34	23.34	23.34	23.34			
20	QPSK	1	0	23.45	23.45	23.45	23.45			
20	QPSK	1	0	23.57	23.57	23.57	23.57			
20	QPSK	1	0	23.68	23.68	23.68	23.68			
20	QPSK	1	0	23.80	23.80	23.80	23.80			
20	QPSK	1	0	23.91	23.91	23.91	23.91			
20	QPSK	1	0	24.03	24.03	24.03	24.03			
20	QPSK	1	0	24.14	24.14	24.14	24.14			
20	QPSK	1	0	24.26	24.26	24.26	24.26			
20	QPSK	1	0	24.37	24.37	24.37	24.37			
20	QPSK	1	0	24.49	24.49	24.49	24.49			
20	QPSK	1	0	24.60	24.60	24.60	24.60			
20	QPSK	1	0	24.72	24.72	24.72	24.72			
20	QPSK	1	0	24.83	24.83	24.83	24.83			
20	QPSK	1	0	24.95	24.95	24.95	24.95			
20	QPSK	1	0	25.06	25.06	25.06	25.06			
20	QPSK	1	0	25.18	25.18	25.18	25.18			
20	QPSK	1	0	25.29	25.29	25.29	25.29			
20	QPSK	1	0	25.41	25.41	25.41	25.41			
20	QPSK	1	0	25.52	25.52	25.52	25.52			
20	QPSK	1	0	25.64	25.64	25.64	25.64			
20	QPSK	1	0	25.75	25.75	25.75	25.75			
20	QPSK	1	0	25.87	25.87	25.87	25.87			
20	QPSK	1	0	25.98	25.98	25.98	25.98			
20	QPSK	1	0	26.10	26.10	26.10	26.10			
20	QPSK	1	0	26.21	26.21	26.21	26.21			
20	QPSK	1	0	26.33	26.33	26.33	26.33			
20	QPSK	1	0	26.44	26.44	26.44	26.44			
20	QPSK	1	0	26.56	26.56	26.56	26.56			
20	QPSK	1	0	26.67	26.67	26.67	26.67			
20	QPSK	1	0	26.79	26.79	26.79	26.79			
20	QPSK	1	0	26.90	26.90	26.90	26.90			
20	QPSK	1	0	27.02	27.02	27.02	27.02			
20	QPSK	1	0	27.13	27.13	27.13	27.13			
20	QPSK	1	0	27.25	27.25	27.25	27.25			
20	QPSK	1	0	27.36	27.36	27.36	27.36			
20	QPSK	1	0	27.48	27.48	27.48	27.48			
20	QPSK	1	0	27.59	27.59	27.59	27.59			
20	QPSK	1	0	27.71	27.71	27.71	27.71			
20	QPSK	1	0	27.82	27.82	27.82	27.82			
20	QPSK	1	0	27.94	27.94	27.94	27.94			
20	QPSK	1	0	28.05	28.05	28.05	28.05			
20	QPSK	1	0	28.17	28.17	28.17	28.17			
20	QPSK	1	0	28.28	28.28	28.28	28.28			
20	QPSK	1	0	28.40	28.40	28.40	28.40			
20	QPSK	1	0	28.51	28.51	28.51	28.51			
20	QPSK	1	0	28.63	28.63	28.63	28.63			
20	QPSK	1	0	28.74	28.74	28.74	28.74			
20	QPSK	1	0	28.86	28.86	28.86	28.86			
20	QPSK	1	0	28.97	28.97	28.97	28.97			
20	QPSK	1	0	29.09	29.09	29.09	29.09			
20	QPSK	1	0	29.20	29.20	29.20	29.20			
20	QPSK	1	0	29.32	29.32	29.32	29.32			
20	QPSK	1	0	29.43	29.43	29.43	29.43			
20	QPSK	1	0	29.55	29.55	29.55	29.55			
20	QPSK	1	0	29.66	29.66	29.66	29.66			
20	QPSK	1	0	29.78	29.78	29.78	29.78			
20	QPSK	1	0	29.89	29.89	29.89	29.89			
20	QPSK	1	0	30.01	30.01	30.01	30.01			
20	QPSK	1	0	30.12	30.12	30.12	30.12			
20	QPSK	1	0	30.24	30.24	30.24	30.24			
20	QPSK	1	0	30.35	30.35	30.35	30.35			
20	QPSK	1	0	30.47	30.47	30.47	30.47			
20	QPSK	1	0	30.58	30.58	30.58	30.58			
20	QPSK	1	0	30.70	30.70	30.70	30.70			
20	QPSK	1	0	30.81	30.81	30.81	30.81			
20	QPSK	1	0	30.93	30.93	30.93	30.93			
20	QPSK	1	0	31.04	31.04	31.04	31.04			
20	QPSK	1	0	31.16	31.16	31.16	31.16			
20	QPSK	1	0	31.27	31.27	31.27	31.27			
20	QPSK	1	0	31.39	31.39	31.39	31.39			
20	QPSK	1	0	31.50	31.50	31.50	31.50			
20	QPSK	1	0	31.62	31.62	31.62	31.62			
20	QPSK	1	0	31.73	31.73	31.73	31.73			
20	QPSK	1	0	31.85	31.85	31.85	31.85			
20	QPSK	1	0	31.96	31.96	31.96	31.96			
20	QPSK	1	0	32.08	32.08	32.08	32.08			
20	QPSK	1	0	32.19	32.19	32.19	32.19			
20	QPSK	1	0	32.31	32.31	32.31	32.31			
20	QPSK	1	0	32.42	32.42	32.42	32.42			
20	QPSK	1	0	32.54	32.54	32.54	32.54			
20	QPSK	1	0	32.65	32.65	32.65	32.65			
20	QPSK	1	0	32.77	32.77	32.77	32.77			
20	QPSK	1	0	32.88	32.88	32.88	32.88			
20	QPSK	1	0	33.00	33.00	33.00	33.00			
20	QPSK	1	0	33.11	33.11	33.11	33.11			
20	QPSK	1	0	33.23	33.23	33.23	33.23			
20	QPSK	1	0	33.34	33.34	33.34	33.34			
20	QPSK	1	0	33.46	33.46	33.46	33.46			
20	QPSK	1	0	33.57	33.57	33.57	33.57			
20	QPSK	1	0	33.69	33.69	33.69	33.69			
20	QPSK	1	0	33.80	33.80	33.80	33.80			
20	QPSK	1	0	33.92	33.92	33.92	33.92			
20	QPSK	1	0	34.03	34.03	34.03	34.03			
20	QPSK	1	0	34.15	34.15	34.15	34.15			
20	QPSK	1	0	34.26	34.26	34.26	34.26			
20	QPSK	1	0	34.38	34.38	34.38	34.38			
20	QPSK	1	0	34.49	34.49	34.49	34.49			
20	QPSK	1	0	34.61	34.61	34.61	34.61			
20	QPSK	1	0	34.72	34.72	34.72	34.72			
20	QPSK	1	0	34.84	34.84	34.84	34.84			
20	QPSK	1	0	34.95	34.95	34.95	34.95			
20	QPSK	1	0	35.07	35.07	35.07	35.07			
20	QPSK	1	0	35.18	35.18	35.18	35.18			
20	QPSK	1	0	35.30	35.30	35.30	35.30			
20	QPSK	1	0	35.41	35.41	35.41	35.41			
20	QPSK	1	0	35.53	35.53	35.53	35.53			
20	QPSK	1	0	35.64	35.64	35.64	35.64			
20	QPSK	1	0	35.76	35.76	35.76	35.76			
20	QPSK	1	0	35.87	35.87	35.87	35.87			
20	QPSK	1	0	35.99	35.99	35.99	35.99			
20	QPSK	1	0	36.10	36.10	36.10	36.10			
20	QPSK	1	0	36.22	36.22	36.22	36.22			
20	QPSK	1	0	36.33	36.33	36.33	36.33			
20	QPSK	1	0	36.45	36.45	36.45	36.45			
20	QPSK	1	0	36.56	36.56	36.56	36.56			
20	QPSK	1	0	36.68	36.68	36.68	36.68			
20	QPSK	1	0	36.79	36.79	36.79	36.79			
20	QPSK	1								



Part 96_Band 48_Ant 6												
DVY (MHz)	Modulation	FD (KHz)	RD (KHz)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MFR (dB)
Channel												
Frequency (MHz)				3000	3000	3001	3000					
20	OFDM	1	8	20.52	20.52	20.53	20.53					
20	OFDM	1	8	20.53	20.53	20.54	20.54					
20	OFDM	1	8	20.54	20.54	20.55	20.55					
20	OFDM	1	8	20.55	20.55	20.56	20.56					
20	OFDM	1	8	20.56	20.56	20.57	20.57					
20	OFDM	1	8	20.57	20.57	20.58	20.58					
20	OFDM	1	8	20.58	20.58	20.59	20.59					
20	OFDM	1	8	20.59	20.59	20.60	20.60					
20	OFDM	1	8	20.60	20.60	20.61	20.61					
20	OFDM	1	8	20.61	20.61	20.62	20.62					
20	OFDM	1	8	20.62	20.62	20.63	20.63					
20	OFDM	1	8	20.63	20.63	20.64	20.64					
20	OFDM	1	8	20.64	20.64	20.65	20.65					
20	OFDM	1	8	20.65	20.65	20.66	20.66					
20	OFDM	1	8	20.66	20.66	20.67	20.67					
20	OFDM	1	8	20.67	20.67	20.68	20.68					
20	OFDM	1	8	20.68	20.68	20.69	20.69					
20	OFDM	1	8	20.69	20.69	20.70	20.70					
20	OFDM	1	8	20.70	20.70	20.71	20.71					
20	OFDM	1	8	20.71	20.71	20.72	20.72					
20	OFDM	1	8	20.72	20.72	20.73	20.73					
20	OFDM	1	8	20.73	20.73	20.74	20.74					
20	OFDM	1	8	20.74	20.74	20.75	20.75					
20	OFDM	1	8	20.75	20.75	20.76	20.76					
20	OFDM	1	8	20.76	20.76	20.77	20.77					
20	OFDM	1	8	20.77	20.77	20.78	20.78					
20	OFDM	1	8	20.78	20.78	20.79	20.79					
20	OFDM	1	8	20.79	20.79	20.80	20.80					
20	OFDM	1	8	20.80	20.80	20.81	20.81					
20	OFDM	1	8	20.81	20.81	20.82	20.82					
20	OFDM	1	8	20.82	20.82	20.83	20.83					
20	OFDM	1	8	20.83	20.83	20.84	20.84					
20	OFDM	1	8	20.84	20.84	20.85	20.85					
20	OFDM	1	8	20.85	20.85	20.86	20.86					
20	OFDM	1	8	20.86	20.86	20.87	20.87					
20	OFDM	1	8	20.87	20.87	20.88	20.88					
20	OFDM	1	8	20.88	20.88	20.89	20.89					
20	OFDM	1	8	20.89	20.89	20.90	20.90					
20	OFDM	1	8	20.90	20.90	20.91	20.91					
20	OFDM	1	8	20.91	20.91	20.92	20.92					
20	OFDM	1	8	20.92	20.92	20.93	20.93					
20	OFDM	1	8	20.93	20.93	20.94	20.94					
20	OFDM	1	8	20.94	20.94	20.95	20.95					
20	OFDM	1	8	20.95	20.95	20.96	20.96					
20	OFDM	1	8	20.96	20.96	20.97	20.97					
20	OFDM	1	8	20.97	20.97	20.98	20.98					
20	OFDM	1	8	20.98	20.98	20.99	20.99					
20	OFDM	1	8	20.99	20.99	21.00	21.00					
20	OFDM	1	8	21.00	21.00	21.01	21.01					
20	OFDM	1	8	21.01	21.01	21.02	21.02					
20	OFDM	1	8	21.02	21.02	21.03	21.03					
20	OFDM	1	8	21.03	21.03	21.04	21.04					
20	OFDM	1	8	21.04	21.04	21.05	21.05					
20	OFDM	1	8	21.05	21.05	21.06	21.06					
20	OFDM	1	8	21.06	21.06	21.07	21.07					
20	OFDM	1	8	21.07	21.07	21.08	21.08					
20	OFDM	1	8	21.08	21.08	21.09	21.09					
20	OFDM	1	8	21.09	21.09	21.10	21.10					
20	OFDM	1	8	21.10	21.10	21.11	21.11					
20	OFDM	1	8	21.11	21.11	21.12	21.12					
20	OFDM	1	8	21.12	21.12	21.13	21.13					
20	OFDM	1	8	21.13	21.13	21.14	21.14					
20	OFDM	1	8	21.14	21.14	21.15	21.15					
20	OFDM	1	8	21.15	21.15	21.16	21.16					
20	OFDM	1	8	21.16	21.16	21.17	21.17					
20	OFDM	1	8	21.17	21.17	21.18	21.18					
20	OFDM	1	8	21.18	21.18	21.19	21.19					
20	OFDM	1	8	21.19	21.19	21.20	21.20					
20	OFDM	1	8	21.20	21.20	21.21	21.21					
20	OFDM	1	8	21.21	21.21	21.22	21.22					
20	OFDM	1	8	21.22	21.22	21.23	21.23					
20	OFDM	1	8	21.23	21.23	21.24	21.24					
20	OFDM	1	8	21.24	21.24	21.25	21.25					
20	OFDM	1	8	21.25	21.25	21.26	21.26					
20	OFDM	1	8	21.26	21.26	21.27	21.27					
20	OFDM	1	8	21.27	21.27	21.28	21.28					
20	OFDM	1	8	21.28	21.28	21.29	21.29					
20	OFDM	1	8	21.29	21.29	21.30	21.30					
20	OFDM	1	8	21.30	21.30	21.31	21.31					
20	OFDM	1	8	21.31	21.31	21.32	21.32					
20	OFDM	1	8	21.32	21.32	21.33	21.33					
20	OFDM	1	8	21.33	21.33	21.34	21.34					
20	OFDM	1	8	21.34	21.34	21.35	21.35					
20	OFDM	1	8	21.35	21.35	21.36	21.36					
20	OFDM	1	8	21.36	21.36	21.37	21.37					
20	OFDM	1	8	21.37	21.37	21.38	21.38					
20	OFDM	1	8	21.38	21.38	21.39	21.39					
20	OFDM	1	8	21.39	21.39	21.40	21.40					
20	OFDM	1	8	21.40	21.40	21.41	21.41					
20	OFDM	1	8	21.41	21.41	21.42	21.42					
20	OFDM	1	8	21.42	21.42	21.43	21.43					
20	OFDM	1	8	21.43	21.43	21.44	21.44					
20	OFDM	1	8	21.44	21.44	21.45	21.45					
20	OFDM	1	8	21.45	21.45	21.46	21.46					
20	OFDM	1	8	21.46	21.46	21.47	21.47					
20	OFDM	1	8	21.47	21.47	21.48	21.48					
20	OFDM	1	8	21.48	21.48	21.49	21.49					
20	OFDM	1	8	21.49	21.49	21.50	21.50					
20	OFDM	1	8	21.50	21.50	21.51	21.51					
20	OFDM	1	8	21.51	21.51	21.52	21.52					
20	OFDM	1	8	21.52	21.52	21.53	21.53					
20	OFDM	1	8	21.53	21.53	21.54	21.54					
20	OFDM	1	8	21.54	21.54	21.55	21.55					
20	OFDM	1	8	21.55	21.55	21.56	21.56					
20	OFDM	1	8	21.56	21.56	21.57	21.57					
20	OFDM	1	8	21.57	21.57	21.58	21.58					
20	OFDM	1	8	21.58	21.58	21.59	21.59					
20	OFDM	1	8	21.59	21.59	21.60	21.60					
20	OFDM	1	8	21.60	21.60	21.61	21.61					
20	OFDM	1	8	21.61	21.61	21.62	21.62					
20	OFDM	1	8	21.62	21.62	21.63	21.63					
20	OFDM	1	8	21.63	21.63	21.64	21.64					
20	OFDM	1	8	21.64	21.64	21.65	21.65					
20	OFDM	1	8	21.65	21.65	21.66	21.66					
20	OFDM	1	8	21.66	21.66	21.67	21.67					
20	OFDM	1	8	21.67	21.67	21.68	21.68					
20	OFDM	1	8	21.68	21.68	21.69	21.69					
20	OFDM	1	8	21.69	21.69	21.70	21.70					
20	OFDM	1	8	21.70	21.70	21.71	21.71					
20	OFDM	1	8	21.71	21.71	21.72	21.72					
20	OFDM	1	8	21.72	21.72	21.73	21.73					
20	OFDM	1	8	21.73	21.73	21.74	21.74					
20	OFDM	1	8	21.74	21.74	21.75	21.75					
20	OFDM	1	8	21.75	21.75	21.76	21.76					
20	OFDM	1	8	21.76	21.76	21.77	21.77					
20	OFDM	1	8	21.77	21.77	21.78	21.78					
20	OFDM	1	8	21.78	21.78	21.79	21.79					
20	OFDM	1	8	21.79	21.79	21.80	21.80					
20	OFDM	1	8	21.80	21.80	21.81	21.81					
20	OFDM	1	8	21.81	21.81	21.82	21.82					
20	OFDM	1	8	21.82	21.82	21.83	21.83					
20	OFDM	1	8	21.83	21.83	21.84	21.84					
20	OFDM											



DSI 13&14 Power

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251		128	189	251		
Frequency (MHz)	824.2	834.4	844.6		824.2	834.4	844.6		
GSM 1 Tx slot	32.45	32.61	32.79	33.50	33.45	33.61	33.79	34.50	
GPRS 1 Tx slot	32.44	32.59	32.72	33.50	33.44	33.59	33.72	34.50	
GPRS 2 Tx slots	29.27	29.46	29.60	30.50	29.27	29.46	29.60	34.50	
GPRS 3 Tx slots	27.55	27.72	27.85	28.70	27.55	27.72	27.85	24.44	
GPRS 4 Tx slots	26.33	26.51	26.49	27.50	26.33	26.51	26.49	24.50	
EDGE 1 Tx slot	26.67	26.64	26.35	27.50	17.67	17.64	17.35	18.50	
EDGE 2 Tx slots	23.93	23.91	23.51	25.00	17.93	17.91	17.51	19.00	
EDGE 3 Tx slots	22.01	22.23	21.98	23.20	17.75	17.97	17.72	18.94	
EDGE 4 Tx slots	20.76	20.88	20.53	22.00	17.76	17.88	17.53	19.00	
DTM Multi-slot class 5	GSM 1 Tx slot	29.08	29.27	29.39	30.50	23.08	23.26	23.34	24.48
	GPRS 1 Tx slot	29.12	29.30	29.33	30.50				
DTM Multi-slot class 9	GSM 1 Tx slot	29.00	29.33	29.41	30.50	23.00	23.24	23.34	24.48
	GPRS 1 Tx slot	29.05	29.19	29.32	30.50				
DTM Multi-slot class 11	GSM 1 Tx slot	27.26	27.48	27.69	28.70	23.04	23.25	23.41	24.44
	GPRS 2 Tx slots	27.32	27.52	27.66	28.70				
DTM Multi-slot class 5	GSM 1 Tx slot	29.10	29.27	29.45	30.50	21.16	21.31	21.36	22.55
	EDGE 1 Tx slot	23.65	23.75	23.28	25.00				
DTM Multi-slot class 9	GSM 1 Tx slot	29.10	29.33	29.46	30.50	21.18	21.37	21.36	22.55
	EDGE 1 Tx slot	23.74	23.78	23.26	25.00				
DTM Multi-slot class 11	GSM 1 Tx slot	27.27	27.48	27.65	28.70	20.17	20.41	20.42	21.61
	EDGE 2 Tx slots	21.75	22.04	21.76	23.20				

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	512 <td>661 <td>810</td> <td></td> <td>512 <td>661 <td>810</td> <td></td> </td></td></td>	661 <td>810</td> <td></td> <td>512 <td>661 <td>810</td> <td></td> </td></td>	810		512 <td>661 <td>810</td> <td></td> </td>	661 <td>810</td> <td></td>	810		
Frequency (MHz)	1850.2	1850	1849.8		1850.2	1850	1849.8		
GSM 1 Tx slot	29.45	29.26	29.48	30.50	29.45	29.26	29.48	21.50	
GPRS 1 Tx slot	29.43	29.25	29.45	30.50	29.43	29.25	29.45	21.50	
GPRS 2 Tx slots	26.17	26.42	26.08	27.50	26.17	26.42	26.08	21.50	
GPRS 3 Tx slots	24.51	24.32	24.24	24.70	20.25	20.06	19.98	21.44	
GPRS 4 Tx slots	23.25	23.26	23.10	24.80	20.25	20.26	20.10	21.50	
EDGE 1 Tx slot	25.61	25.36	25.70	27.00	16.61	16.36	16.70	18.00	
EDGE 2 Tx slots	22.50	22.42	22.45	24.00	16.50	16.42	16.45	18.00	
EDGE 3 Tx slots	20.66	20.58	20.64	22.20	16.40	16.32	16.38	17.94	
EDGE 4 Tx slots	19.48	19.49	19.52	21.00	16.48	16.49	16.52	18.00	
DTM Multi-slot class 5	GSM 1 Tx slot	26.02	26.20	25.85	27.50	19.94	20.14	19.87	21.48
	GPRS 1 Tx slot	25.90	26.13	25.94	27.50				
DTM Multi-slot class 9	GSM 1 Tx slot	25.82	26.24	25.83	27.50	19.93	20.20	19.85	21.48
	GPRS 1 Tx slot	25.99	26.20	25.91	27.50				
DTM Multi-slot class 11	GSM 1 Tx slot	24.81	24.56	24.59	26.70	20.55	20.35	20.28	21.44
	GPRS 2 Tx slots	24.81	24.64	24.52	26.70				
DTM Multi-slot class 5	GSM 1 Tx slot	25.99	26.17	25.86	27.50	18.51	18.62	18.42	20.07
	EDGE 1 Tx slot	22.30	22.25	22.31	24.00				
DTM Multi-slot class 9	GSM 1 Tx slot	25.99	26.13	25.82	27.50	18.49	18.58	18.35	20.07
	EDGE 1 Tx slot	22.26	22.23	22.19	24.00				
DTM Multi-slot class 11	GSM 1 Tx slot	24.26	24.16	24.04	26.70	17.89	17.75	17.73	19.44
	EDGE 2 Tx slots	20.49	20.33	20.42	22.20				

Band	Tx Channel	WCDMA IV_Ant 3			Tune-up Limit (dBm)	WCDMA IV_Ant 3			Tune-up Limit (dBm)
		9202	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.51	23.70	23.52	24.00	22.43	22.45	22.40	23.00
3GPP Rel 99	RMC 12.2Kbps	23.54	23.72	23.55	24.00	22.48	22.49	22.42	23.00
3GPP Rel 6	HSDPA Subtest-1	22.69	22.74	22.57	23.00	21.52	21.49	21.52	22.00
3GPP Rel 6	HSDPA Subtest-2	22.66	22.65	22.33	23.00	21.83	21.53	21.64	22.00
3GPP Rel 6	HSDPA Subtest-3	22.27	22.15	22.04	22.50	21.12	20.96	21.09	21.50
3GPP Rel 6	HSDPA Subtest-4	22.16	22.16	21.96	22.50	21.09	20.99	21.08	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.59	21.65	21.56	23.00	20.50	20.57	20.56	22.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.54	21.65	21.52	23.00	20.49	20.57	20.58	22.00
3GPP Rel 6	DC-HSDPA Subtest-3	20.94	20.96	20.87	22.50	20.00	20.02	20.08	21.50
3GPP Rel 6	DC-HSDPA Subtest-4	20.87	21.01	20.95	22.60	19.94	20.07	20.04	21.50
3GPP Rel 6	HSUPA Subtest-1	22.64	22.73	22.80	23.00	21.55	21.52	21.80	22.00
3GPP Rel 6	HSUPA Subtest-2	20.75	20.66	20.86	21.00	19.54	19.66	19.67	20.00
3GPP Rel 6	HSUPA Subtest-3	21.62	21.74	21.78	22.00	20.56	20.53	20.62	21.00
3GPP Rel 6	HSUPA Subtest-4	20.72	20.69	20.79	21.00	19.53	19.57	19.63	20.00
3GPP Rel 6	HSUPA Subtest-5	22.74	22.61	22.84	23.00	21.59	21.53	21.64	22.00

Band	Tx Channel	WCDMA V_Ant 0			Tune-up Limit (dBm)
		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.15	24.17	24.13	25.00
3GPP Rel 99	RMC 12.2Kbps	24.16	24.19	24.18	25.00
3GPP Rel 6	HSDPA Subtest-1	23.15	23.11	23.05	24.00
3GPP Rel 6	HSDPA Subtest-2	23.15	23.12	23.05	24.00
3GPP Rel 6	HSDPA Subtest-3	22.70	22.63	22.56	23.50
3GPP Rel 6	HSDPA Subtest-4	22.68	22.60	22.55	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.90	22.93	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.89	22.92	22.90	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.38	22.41	22.40	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.35	22.39	22.38	23.50
3GPP Rel 6	HSUPA Subtest-1	23.08	23.09	23.10	24.00
3GPP Rel 6	HSUPA Subtest-2	21.15	21.07	21.01	22.00
3GPP Rel 6	HSUPA Subtest-3	22.05	22.11	22.03	23.00
3GPP Rel 6	HSUPA Subtest-4	21.10	21.04	21.01	22.00
3GPP Rel 6	HSUPA Subtest-5	23.10	23.10	23.00	24.00



Band 2_Ant 3										
BW (MHz)	Modulation	RS Rate	RS Const.	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)		
Channel: 18500, 18500, 19150										
Frequency (MHz)										
20	QPSK	1	0	22.85	22.87	22.89				
20	QPSK	1	48	22.84	22.88	22.87	23.5	0		
20	QPSK	1	48	22.85	22.86	22.85				
20	QPSK	50	0	22.83	22.78	22.83				
20	QPSK	50	24	22.85	22.89	22.83	23.5	0		
20	QPSK	50	24	22.87	22.88	22.87				
20	QPSK	100	0	22.80	22.88	22.88				
20	HEGAM	1	0	22.86	22.79	22.86	23.5	0		
20	HEGAM	1	96	22.85	22.79	22.85				
20	HEGAM	50	0	21.97	21.84	21.85				
20	HEGAM	50	24	21.96	21.82	21.84	22.5	1		
20	HEGAM	50	24	21.98	21.83	21.81				
20	HEGAM	100	0	21.95	21.81	21.84	22.5	1		
20	HEGAM	100	96	21.95	21.81	21.84				
20	HEGAM	50	24	20.45	20.30	20.30	21.5	2		
20	HEGAM	50	24	20.46	20.31	20.31				
20	HEGAM	50	96	20.45	20.40	20.38	21.5	2		
20	HEGAM	50	96	20.47	20.45	20.45				
20	SSGAM	1	0	18.58	18.48	18.48	19.5	4		
20	SSGAM	1	48	18.51	18.44	18.47				
20	SSGAM	1	48	18.56	18.48	18.48	19.5	4		
20	SSGAM	50	0	18.44	18.42	18.44				
20	SSGAM	50	24	18.58	18.48	18.43	19.5	4		
20	SSGAM	50	24	18.55	18.47	18.47				
20	SSGAM	100	0	18.48	18.48	18.48				
Channel: 18500, 18500, 19150										
Frequency (MHz)										
15	QPSK	1	0	22.90	22.97	22.95				
15	QPSK	1	37	22.86	22.99	22.91	23.5	0		
15	QPSK	1	37	22.88	22.98	22.91				
15	QPSK	36	0	22.84	22.89	22.89				
15	QPSK	36	20	22.82	22.96	22.88	23.5	0		
15	QPSK	36	20	22.85	22.88	22.88				
15	QPSK	36	96	22.82	22.87	22.87	23.5	0		
15	QPSK	75	0	22.84	22.79	22.81				
15	HEGAM	1	0	22.86	22.82	22.86	23.5	0		
15	HEGAM	1	74	22.85	22.82	22.84				
15	HEGAM	36	0	21.80	21.86	21.83	22.5	1		
15	HEGAM	36	20	21.82	21.82	21.82				
15	HEGAM	36	20	21.81	21.84	21.83	22.5	1		
15	HEGAM	75	0	21.80	21.86	21.82				
15	HEGAM	75	1	21.89	21.87	21.88	22.5	1		
15	HEGAM	1	37	21.85	21.87	21.88	22.5	1		
15	HEGAM	1	74	21.80	21.87	21.86				
15	HEGAM	36	20	20.36	20.42	20.42	21.5	2		
15	HEGAM	36	20	20.38	20.40	20.38				
15	SSGAM	1	0	18.48	18.51	18.48	19.5	4		
15	SSGAM	1	37	18.40	18.51	18.48				
15	SSGAM	1	37	18.48	18.50	18.48	19.5	4		
15	SSGAM	36	0	18.48	18.51	18.47				
15	SSGAM	36	20	18.43	18.43	18.47	19.5	4		
15	SSGAM	36	20	18.43	18.43	18.47				
15	SSGAM	50	0	18.47	18.48	18.39				
Channel: 20000, 20000, 20750										
Frequency (MHz)										
10	QPSK	1	0	21.95	22.02	21.98				
10	QPSK	1	28	21.98	22.09	21.91	23	0		
10	QPSK	1	28	21.95	22.09	21.91				
10	QPSK	24	0	21.96	21.96	21.97				
10	QPSK	24	12	21.93	21.97	21.99	23	0		
10	QPSK	24	12	21.95	21.96	21.97				
10	QPSK	50	0	21.96	22.03	21.93				
10	HEGAM	1	0	22.01	21.95	21.93	23	0		
10	HEGAM	1	48	21.99	22.02	21.98				
10	HEGAM	24	0	21.48	21.48	21.48	22.5	0.5		
10	HEGAM	24	12	21.48	21.52	21.44				
10	HEGAM	24	12	21.49	21.49	21.48	22.5	0.5		
10	HEGAM	50	0	21.49	21.49	21.48				
10	HEGAM	50	1	21.47	21.49	21.49	22.5	0.5		
10	HEGAM	1	28	21.49	21.46	21.47	22.5	0.5		
10	HEGAM	1	48	21.50	21.45	21.47				
10	HEGAM	24	12	20.49	20.47	20.38	21.5	1.5		
10	HEGAM	24	12	20.43	20.51	20.41				
10	HEGAM	24	96	20.48	20.47	20.42	21.5	1.5		
10	SSGAM	1	0	18.42	18.46	18.45	19.5	3.5		
10	SSGAM	1	20	18.52	18.54	18.50				
10	SSGAM	1	20	18.44	18.44	18.49	19.5	3.5		
10	SSGAM	24	0	18.44	18.46	18.50				
10	SSGAM	24	10	18.44	18.47	18.48	19.5	3.5		
10	SSGAM	24	10	18.52	18.51	18.47				
10	SSGAM	50	0	18.48	18.48	18.43				
Channel: 20000, 20000, 20750										
Frequency (MHz)										
5	QPSK	1	0	21.90	22.04	21.97				
5	QPSK	1	12	21.95	22.03	21.97	23	0		
5	QPSK	1	12	21.94	22.03	21.91				
5	QPSK	12	0	21.94	21.97	21.91				
5	QPSK	12	7	21.92	21.97	21.90	23	0		
5	QPSK	12	7	21.95	21.96	21.91				
5	QPSK	25	0	22.00	22.01	21.93				
5	HEGAM	1	0	22.02	22.04	22.00	23	0		
5	HEGAM	1	24	22.02	22.06	22.00				
5	HEGAM	1	24	22.01	21.97	21.94	23	0		
5	HEGAM	12	0	21.44	21.48	21.44	22.5	1		
5	HEGAM	12	1	21.47	21.54	21.49				
5	HEGAM	12	13	21.44	21.53	21.44	22.5	0.5		
5	HEGAM	25	0	21.52	21.48	21.44				
5	HEGAM	25	1	21.47	21.48	21.50	22.5	0.4		
5	HEGAM	1	12	21.44	21.51	21.46	22.5	0.5		
5	HEGAM	1	24	21.44	21.54	21.46				
5	HEGAM	12	7	20.51	20.51	20.50	21.5	1.5		
5	HEGAM	12	7	20.50	20.49	20.46				
5	SSGAM	1	0	18.51	18.46	18.39	19.5	3.5		
5	SSGAM	1	10	18.51	18.50	18.41				
5	SSGAM	1	10	18.45	18.47	18.38	19.5	3.5		
5	SSGAM	12	0	18.43	18.51	18.50				
5	SSGAM	12	10	18.44	18.47	18.38	19.5	3.5		
5	SSGAM	12	13	18.44	18.47	18.39				
5	SSGAM	25	0	18.50	18.49	18.43				
Channel: 20000, 20000, 20750										
Frequency (MHz)										
3	QPSK	1	0	21.90	22.04	21.97				
3	QPSK	1	8	21.95	22.03	21.97	23	0		
3	QPSK	1	8	21.94	22.03	21.91				
3	QPSK	8	0	22.01	22.02	21.94				
3	QPSK	8	4	22.02	22.04	21.95	23	0		
3	QPSK	8	4	22.01	22.02	21.97				
3	HEGAM	1	0	22.01	21.95	21.93	23	0		
3	HEGAM	1	14	22.02	22.03	21.97				
3	HEGAM	1	14	22.01	21.97	21.94	23	0		
3	HEGAM	3	0	21.42	21.48	21.44	22.5	0.5		
3	HEGAM	3	1	21.47	21.50	21.47				
3	HEGAM	3	1	21.46	21.48	21.48	22.5	0.5		
3	HEGAM	3	14	21.44	21.54	21.46				
3	HEGAM	3	14	21.44	21.49	21.41	22.5	0.5		
3	HEGAM	3	14	21.44	21.49	21.41				
3	HEGAM	3	14	21.44	21.54	21.46	22.5	0.5		
3	HEGAM	3	14	21.44	21.49	21.41				
3	SSGAM	1	0	18.42	18.46	18.45	19.5	3.5		
3	SSGAM	1	10	18.51	18.50	18.41				
3	SSGAM	1	10	18.45	18.47	18.38	19.5	3.5		
3	SSGAM	12	0	18.43	18.51	18.50				
3	SSGAM	12	10	18.44	18.47	18.38	19.5	3.5		



Band 12_Ant 0										
BW (MHz)	Modulation	RS	RS Cyclic	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)	MPR (dB)	MPR (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.33	23.44	23.55	24.5	0		
10	QPSK	1	25	23.38	23.47	23.58				
10	QPSK	1	50	23.43	23.52	23.63				
10	QPSK	25	0	23.48	23.48	23.48				
10	QPSK	25	12	23.44	23.44	23.44	23.5	1		
10	QPSK	25	25	23.49	23.49	23.49				
10	QPSK	50	0	23.46	23.46	23.46				
10	16QAM	1	0	23.57	23.74	23.91	23.5	1		
10	16QAM	1	25	23.47	23.62	23.77				
10	16QAM	1	50	23.51	23.76	24.01				
10	16QAM	25	0	23.47	23.48	23.49	22.5	2		
10	16QAM	25	12	23.47	23.48	23.49				
10	16QAM	25	25	23.52	23.53	23.54				
10	16QAM	50	0	23.47	23.48	23.49				
10	16QAM	50	12	23.47	23.48	23.49				
10	16QAM	50	25	23.52	23.53	23.54				
10	16QAM	100	0	23.48	23.48	23.48	21.5	3		
10	16QAM	100	12	23.47	23.48	23.49				
10	16QAM	100	25	23.52	23.53	23.54				
10	16QAM	200	0	23.48	23.48	23.48	19.5	5		
10	16QAM	200	12	23.47	23.48	23.49				
10	16QAM	200	25	23.52	23.53	23.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.33	23.41	23.49	24.5	0		
5	QPSK	1	12	23.33	23.39	23.45				
5	QPSK	1	24	23.33	23.39	23.45				
5	QPSK	12	0	23.42	23.38	23.37				
5	QPSK	12	7	23.44	23.23	23.28	23.5	1		
5	QPSK	12	14	23.44	23.23	23.28				
5	QPSK	25	0	23.42	23.41	23.43				
5	16QAM	1	0	23.65	23.69	23.73	23.5	1		
5	16QAM	1	12	23.65	23.69	23.73				
5	16QAM	1	24	23.65	23.69	23.73				
5	16QAM	12	0	23.38	23.22	23.28	22.5	2		
5	16QAM	12	7	23.41	23.21	23.27				
5	16QAM	12	14	23.41	23.21	23.27				
5	16QAM	25	0	23.31	23.29	23.28	22.5	2		
5	16QAM	25	12	23.34	23.28	23.28				
5	16QAM	25	24	23.34	23.28	23.28				
5	16QAM	50	0	23.33	23.31	23.29	22.5	2		
5	16QAM	50	12	23.33	23.31	23.29				
5	16QAM	50	24	23.33	23.31	23.29				
5	16QAM	100	0	23.33	23.31	23.29	21.5	3		
5	16QAM	100	12	23.33	23.31	23.29				
5	16QAM	100	24	23.33	23.31	23.29				
5	16QAM	200	0	18.53	18.53	18.53	19.5	5		
5	16QAM	200	12	18.43	18.44	18.44				
5	16QAM	200	24	18.43	18.44	18.44				
5	16QAM	25	0	18.53	18.45	18.41	19.5	5		
5	16QAM	25	12	18.38	18.45	18.41				
5	16QAM	25	24	18.38	18.45	18.41				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.31	23.37	23.43	24.5	0		
3	QPSK	1	8	23.38	23.39	23.41				
3	QPSK	1	16	23.38	23.39	23.41				
3	QPSK	8	0	23.34	23.38	23.42				
3	QPSK	8	4	23.40	23.28	23.27	23.5	1		
3	QPSK	8	8	23.40	23.28	23.27				
3	QPSK	16	0	23.38	23.38	23.38				
3	16QAM	1	0	23.62	23.67	23.72	23.5	1		
3	16QAM	1	8	23.76	23.71	23.71				
3	16QAM	1	16	23.76	23.71	23.71				
3	16QAM	8	0	23.43	23.21	23.28	22.5	2		
3	16QAM	8	4	23.47	23.21	23.28				
3	16QAM	8	8	23.47	23.21	23.28				
3	16QAM	16	0	23.36	23.28	23.24	22.5	2		
3	16QAM	16	8	23.41	23.28	23.24				
3	16QAM	16	16	23.41	23.28	23.24				
3	16QAM	32	0	23.36	23.31	23.26	21.5	3		
3	16QAM	32	8	23.41	23.28	23.24				
3	16QAM	32	16	23.41	23.28	23.24				
3	16QAM	64	0	18.53	18.53	18.53	19.5	5		
3	16QAM	64	8	18.43	18.43	18.43				
3	16QAM	64	16	18.39	18.43	18.43				
3	16QAM	64	24	18.42	18.43	18.43				
3	16QAM	128	0	18.38	18.43	18.43	19.5	5		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.33	23.38	23.43	24.5	0		
1.4	QPSK	1	3	23.38	23.39	23.40				
1.4	QPSK	1	6	23.38	23.39	23.40				
1.4	QPSK	3	0	23.34	23.38	23.42				
1.4	QPSK	3	1	23.32	23.32	23.32	23.5	1		
1.4	QPSK	3	3	23.39	23.31	23.28				
1.4	QPSK	6	0	23.38	23.39	23.40	23.5	1		
1.4	16QAM	1	0	23.66	23.68	23.70	23.5	1		
1.4	16QAM	1	3	23.74	23.71	23.71				
1.4	16QAM	1	6	23.74	23.71	23.71				
1.4	16QAM	3	0	23.66	23.62	23.67	22.5	2		
1.4	16QAM	3	1	23.70	23.72	23.73				
1.4	16QAM	3	2	23.77	23.64	23.63				
1.4	16QAM	6	0	23.38	23.31	23.24	22.5	2		
1.4	16QAM	6	3	23.43	23.31	23.29				
1.4	16QAM	6	6	23.38	23.31	23.24				
1.4	16QAM	12	0	23.36	23.31	23.26	21.5	3		
1.4	16QAM	12	3	23.41	23.27	23.24				
1.4	16QAM	12	6	23.38	23.31	23.24				
1.4	16QAM	24	0	18.53	18.53	18.53	19.5	5		
1.4	16QAM	24	3	18.43	18.43	18.43				
1.4	16QAM	24	6	18.39	18.43	18.43				
1.4	16QAM	24	9	18.42	18.43	18.43				
1.4	16QAM	48	0	18.38	18.38	18.38	19.5	5		
1.4	16QAM	48	3	18.41	18.38	18.41				

Band 17_Ant 0										
BW (MHz)	Modulation	RS	RS Cyclic	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)	MPR (dB)	MPR (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.40	23.41	23.43	24.5	0		
10	QPSK	1	25	23.38	23.37	23.38				
10	QPSK	1	50	23.36	23.35	23.36				
10	QPSK	25	0	23.43	23.48	23.48				
10	QPSK	25	12	23.46	23.41	23.47	23.5	1		
10	QPSK	25	25	23.47	23.42	23.47				
10	QPSK	50	0	23.46	23.48	23.43				
10	16QAM	1	0	23.52	23.83	23.75	23.5	1		
10	16QAM	1	25	23.46	23.38	23.42				
10	16QAM	1	50	23.78	23.75	23.76				
10	16QAM	25	0	23.51	23.37	23.48	22.5	2		
10	16QAM	25	12	23.44	23.42	23.43				
10	16QAM	25	25	23.47	23.38	23.45				
10	16QAM	50	0	23.47	23.39	23.44				
10	16QAM	50	12	23.47	23.42	23.47				
10	16QAM	50	25	23.52	23.38	23.44				
10	16QAM	100	0	23.48	23.38	23.42	21.5	3		
10	16QAM	100	12	23.47	23.42	23.47				
10	16QAM	100	25	23.52	23.38	23.44				
10	16QAM	200	0	18.54	18.53	18.57	19.5	5		
10	16QAM	200	12	18.53	18.53	18.52				
10	16QAM	200	25	18.44	18.44	18.39				
10	16QAM	25	0	18.53	18.45	18.41	19.5	5		
10	16QAM	25	12	18.38	18.45	18.41				
10	16QAM	25	25	18.38	18.45	18.41				



Band 30_Ant 3									
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch./Freq.	Power Mod Ch./Freq.	Power High Ch./Freq.	Turn-up (min./sec)	MFR (dB)	MFR (dB)
Channel: 27172									
Frequency (MHz)									
10	QPSK	1	0	21.43			22	0	
10	QPSK	1	25	21.42					
10	QPSK	45	0	21.43					
10	QPSK	25	0	21.43					
10	QPSK	25	12	21.42			22	0	
10	QPSK	25	25	21.43					
10	QPSK	50	0	21.37					
10	16QAM	1	0	21.41			22	0	
10	16QAM	25	0	21.38					
10	16QAM	1	49	21.38					
10	16QAM	25	0	21.36					
10	16QAM	25	12	21.42			22	0	
10	16QAM	25	25	21.43					
10	16QAM	50	0	21.34					
10	16QAM	1	25	21.40			22	0	
10	16QAM	25	0	20.98					
10	16QAM	25	12	20.85			21.5	0.5	
10	16QAM	25	25	20.84					
10	16QAM	50	0	20.94					
10	256QAM	1	0	18.93					
10	256QAM	1	25	18.88			19.5	2.5	
10	256QAM	1	49	18.95					
10	256QAM	25	0	18.91					
10	256QAM	25	12	18.89			19.5	2.5	
10	256QAM	25	25	18.97					
10	256QAM	50	0	18.90					
Channel: 27168									
Frequency (MHz)									
5	QPSK	1	0	21.38	21.37	21.38			
5	QPSK	1	12	21.35	21.33	21.34	22	0	
5	QPSK	1	24	21.38	21.41	21.35			
5	QPSK	12	0	21.38	21.42	21.39			
5	QPSK	12	7	21.43	21.37	21.38	22	0	
5	QPSK	12	13	21.38	21.42	21.39			
5	QPSK	25	0	21.44	21.35	21.40			
5	16QAM	1	0	21.35	21.34	21.37	22	0	
5	16QAM	11	0	21.38	21.43	21.39			
5	16QAM	1	24	21.42	21.35	21.43			
5	16QAM	12	0	21.44	21.34	21.38			
5	16QAM	1	49	21.35	21.37	21.44			
5	16QAM	1	24	21.44	21.42	21.44			
5	16QAM	12	13	21.41	21.38	21.41			
5	16QAM	25	0	21.38	21.37	21.44			
5	16QAM	1	24	21.44	21.42	21.44			
5	16QAM	1	12	21.34	21.43	21.37	22	0	
5	16QAM	1	24	21.40	21.42	21.42			
5	16QAM	12	0	20.99	20.91	20.94	21.5	0.5	
5	16QAM	12	7	20.92	20.93	20.98			
5	16QAM	25	0	20.92	20.94	20.98			
5	16QAM	1	0	18.89	18.89	18.87			
5	256QAM	1	12	18.92	18.89	18.88	19.5	2.5	
5	256QAM	1	24	18.93	18.89	18.88			
5	256QAM	12	0	18.92	18.92	18.89			
5	256QAM	12	7	18.94	18.89	18.91			
5	256QAM	12	13	18.93	18.95	18.93	19.5	2.5	
5	256QAM	25	0	18.94	18.88	18.88			

Band 66_Ant 3									
BW (MHz)	Modulation	RB (MHz)	RB Offset	Power Low Ch./Freq.	Power Mod Ch./Freq.	Power High Ch./Freq.	Turn-up (min./sec)	MFR (dB)	MFR (dB)
Channel: 133272									
Frequency (MHz)									
30	QPSK	1	0	22.02	22.10	22.08			
30	QPSK	1	49	22.02	22.04	21.95	23	0	
30	QPSK	1	98	22.08	22.08	22.08			
30	QPSK	50	0	22.02	22.08	22.05			
30	QPSK	50	24	21.97	21.99	21.98	23	0	
30	QPSK	50	49	22.01	22.01	22.01			
30	16QAM	1	0	22.02	22.05	22.01			
30	16QAM	1	49	22.02	22.02	21.93	23	0	
30	16QAM	1	98	22.04	22.09	21.94			
30	16QAM	50	0	21.46	21.57	21.51			
30	16QAM	50	24	21.52	21.58	21.49	22.5	0.5	
30	16QAM	50	49	21.54	21.54	21.47			
30	16QAM	100	0	21.52	21.54	21.49	22.5	0.5	
30	16QAM	1	99	21.53	21.57	21.47			
30	16QAM	50	0	20.99	20.92	20.48			
30	16QAM	50	24	20.92	20.98	20.52	21.5	1.5	
30	16QAM	50	49	20.93	20.96	20.44			
30	256QAM	1	0	18.47	18.51	18.50			
30	256QAM	1	49	18.51	18.57	18.54	19.5	3.5	
30	256QAM	1	98	18.51	18.54	18.53			
30	256QAM	50	0	18.46	18.54	18.51			
30	256QAM	50	24	18.48	18.53	18.54	19.5	3.5	
30	256QAM	50	49	18.55	18.55	18.50			
30	256QAM	100	0	18.53	18.56	18.43			
Channel: 133272									
Frequency (MHz)									
15	QPSK	1	0	22.02	22.07	21.98			
15	QPSK	1	37	22.05	22.03	21.93	23	0	
15	QPSK	1	74	22.01	22.01	21.91			
15	QPSK	36	0	21.97	22.02	22.04			
15	QPSK	36	20	21.99	22.04	22.00	23	0	
15	QPSK	36	36	22.02	22.02	22.02			
15	QPSK	75	0	22.05	22.02	22.01			
15	16QAM	1	0	21.97	22.06	22.00			
15	16QAM	1	37	22.03	22.03	21.93	23	0	
15	16QAM	1	74	21.97	22.05	21.95			
15	16QAM	36	0	21.51	21.55	21.46			
15	16QAM	36	20	21.51	21.57	21.45	22.5	0.5	
15	16QAM	36	36	21.54	21.54	21.44			
15	16QAM	75	0	21.51	21.57	21.54			
15	16QAM	1	74	21.54	21.54	21.44			
15	16QAM	1	37	21.52	21.57	21.47	22.5	0.5	
15	16QAM	1	74	21.50	21.50	21.50			
15	16QAM	36	0	20.92	20.92	20.95			
15	16QAM	36	20	20.48	20.54	20.52	21.5	1.5	
15	16QAM	36	36	20.48	20.57	20.53			
15	256QAM	1	0	18.54	18.57	18.46			
15	256QAM	1	37	18.58	18.53	18.51	19.5	3.5	
15	256QAM	1	74	18.50	18.47	18.47			
15	256QAM	36	0	18.54	18.55	18.45			
15	256QAM	36	20	18.54	18.51	18.45	19.5	3.5	
15	256QAM	36	36	18.46	18.51	18.46			
15	256QAM	75	0	18.50	18.54	18.43			
Channel: 133272									
Frequency (MHz)									
10	QPSK	1	0	21.96	22.06	21.98			
10	QPSK	1	25	21.96	22.06	22.01	23	0	
10	QPSK	1	49	21.97	22.04	21.90			
10	QPSK	25	0	22.03	22.06	22.02			
10	QPSK	25	12	22.00	22.04	22.02	23	0	
10	QPSK	25	25	22.03	22.07	21.98			
10	QPSK	50	0	22.06	22.05	21.99			
10	16QAM	1	0	21.99	22.01	22.02			
10	16QAM	1	25	22.04	22.04	22.04	23	0	
10	16QAM	1	49	22.03	22.08	22.05			
10	16QAM	25	0	21.52	21.58	21.53			
10	16QAM	25	12	21.54	21.54	21.45			
10	16QAM	25	25	21.56	21.53	21.43	22.5	0.5	
10	16QAM	50	0	21.53	21.51	21.45			
10	16QAM	50	24	21.52	21.52	21.55			
10	16QAM	50	49	21.54	21.52	21.54	22.5	0.5	
10	16QAM	1	49	21.47	21.51	21.49			
10	16QAM	25	0	20.48	20.58	20.49			
10	16QAM	25	12	20.51	20.50	20.48	21.5	1.5	
10	16QAM	25	25	20.52	20.57	20.43			
10	16QAM	50	0	20.94	20.97	20.90			
10	16QAM	50	24	20.95	20.95	20.48	21.5	1.5	
10	16QAM	50	49	20.96	20.95	20.48			
10	256QAM	1	0	18.50	18.50	18.46			
10	256QAM	1	25	18.48	18.53	18.52	19.5	3.5	
10	256QAM	1	49	18.53	18.54	18.50			
10	256QAM	25	0	18.53	18.57	18.46			
10	256QAM	25	12	18.49	18.50	18.50	19.5	3.5	
10	256QAM	25	25	18.47	18.52	18.50			



Uplink CA Power

CA_7C_Ant 2 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	22.95	24.50
21100	20902	QPSK	1	0	0	0	1	0	Full Power	23.13	24.50
21350	21152	QPSK	1	0	0	0	1	0	Full Power	23.25	24.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	20.12	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	20.25	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	20.42	21.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	20.12	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	20.25	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	20.42	21.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 17	20.51	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 17	20.45	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 17	20.28	21.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 15	20.12	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 15	20.25	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 15	20.42	21.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 16	20.12	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 16	20.25	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 16	20.42	21.50

CA_7C_Ant 3 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	22.84	24.50
21100	20902	QPSK	1	0	0	0	1	0	Full Power	22.94	24.50
21350	21152	QPSK	1	0	0	0	1	0	Full Power	22.98	24.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	15.50	17.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	15.49	17.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	15.54	17.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	14.30	16.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	14.33	16.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	14.37	16.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 17	18.80	20.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 17	18.89	20.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 17	18.97	20.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 15	22.84	24.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 15	22.94	24.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 15	22.98	24.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 16	22.84	24.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 16	22.94	24.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 16	22.98	24.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 13	20.00	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 13	19.97	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 13	19.95	21.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 14	19.95	21.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 14	19.97	21.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 14	20.00	21.50

CA_7C_Ant 4 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	22.72	24.50
21100	20902	QPSK	1	0	0	0	1	0	Full Power	22.85	24.50
21350	21152	QPSK	1	0	0	0	1	0	Full Power	22.88	24.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	15.32	17.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	15.29	17.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	15.22	17.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	14.19	16.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	14.16	16.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	14.04	16.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 17	16.24	18.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 17	16.12	18.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 17	16.19	18.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 15	21.28	23.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 15	21.24	23.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 15	21.22	23.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 16	18.26	20.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 16	18.28	20.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 16	18.21	20.00

CA_7C_Ant 8 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	0	0	0	1	0	Full Power	23.13	24.50
21100	20902	QPSK	1	0	0	0	1	0	Full Power	23.25	24.50
21350	21152	QPSK	1	0	0	0	1	0	Full Power	23.28	24.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 9	14.54	15.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 9	14.33	15.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 9	14.45	15.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 10	12.47	13.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 10	12.38	13.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 10	12.40	13.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 17	17.49	18.50
21100	20902	QPSK	1	0	0	0	1	0	DSI 17	17.42	18.50
21350	21152	QPSK	1	0	0	0	1	0	DSI 17	17.30	18.50
20850	21048	QPSK	1	0	0	0	1	0	DSI 15	20.89	22.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 15	20.80	22.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 15	20.80	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 15	20.82	22.00
20850	21048	QPSK	1	0	0	0	1	0	DSI 16	17.74	19.00
21100	20902	QPSK	1	0	0	0	1	0	DSI 16	17.78	19.00
21350	21152	QPSK	1	0	0	0	1	0	DSI 16	17.85	19.00

CA_66C_Ant 2 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full Power	22.91	24.50
132322	132124	QPSK	1	0	0	0	1	0	Full Power	23.07	24.50
132572	132374	QPSK	1	0	0	0	1	0	Full Power	23.03	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 9	22.01	23.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 9	22.05	23.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 9	22.09	23.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 10	22.01	23.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 10	22.05	23.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 10	22.09	23.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 17	20.98	22.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 17	21.00	22.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 17	21.06	22.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 15	22.01	23.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 15	22.05	23.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 15	22.09	23.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 16	22.01	23.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 16	22.05	23.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 16	22.09	23.50

CA_66C_Ant 3 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full Power	22.77	24.50
132322	132124	QPSK	1	0	0	0	1	0	Full Power	22.83	24.50
132572	132374	QPSK	1	0	0	0	1	0	Full Power	22.74	24.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 9	16.32	18.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 9	16.41	18.00
132572	132374	QPSK	1	0	0	0	1	0	DSI 9	16.38	18.00
132072	132270	QPSK	1	0	0	0	1	0	DSI 10	15.06	16.50
132322	132124	QPSK	1	0	0	0	1	0	DSI 10	15.08	16.50
132572	132374	QPSK	1	0	0	0	1	0	DSI 10	15.04	16.50
132072	132270	QPSK	1	0	0	0	1	0	DSI 17	20.41	22.00
132322	132124	QPSK	1	0	0	0	1	0	DSI 17	20.39	22.00
1											



CA_38C_Ant 2												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	0	0	0	1	0	Full Power	23.21	24.50	
37901	38099	QPSK	1	0	0	0	1	0	Full Power	23.23	24.50	
38150	37952	QPSK	1	0	0	0	1	0	Full Power	23.20	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	23.21	24.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	23.23	24.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	23.21	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	23.23	24.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 17	23.21	24.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 17	23.23	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 17	23.20	24.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 15	23.23	24.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 15	23.20	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 16	23.21	24.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 16	23.23	24.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 16	23.20	24.50	

CA_38C_Ant 3												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	0	0	0	1	0	Full Power	22.90	24.50	
37901	38099	QPSK	1	0	0	0	1	0	Full Power	22.67	24.50	
38150	37952	QPSK	1	0	0	0	1	0	Full Power	22.54	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	17.53	19.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	17.33	19.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 9	17.29	19.00	
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	16.44	18.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 10	16.31	18.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	16.17	18.00	
37850	38048	QPSK	1	0	0	0	1	0	DSI 17	19.97	21.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 17	19.72	21.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 15	19.60	21.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 15	22.90	24.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 15	22.67	24.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 15	22.54	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 13	22.02	23.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 13	21.83	23.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 14	21.89	23.50	

CA_38C_Ant 4												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	0	0	0	1	0	Full Power	21.93	24.50	
37901	38099	QPSK	1	0	0	0	1	0	Full Power	21.92	24.50	
38150	37952	QPSK	1	0	0	0	1	0	Full Power	21.73	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	16.10	18.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	16.03	18.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 9	15.75	18.00	
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	15.05	17.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 10	15.03	17.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	14.80	17.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 17	17.07	19.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 17	16.95	19.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 17	16.79	19.00	
37850	38048	QPSK	1	0	0	0	1	0	DSI 15	21.06	23.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 15	20.94	23.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 15	20.76	23.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 16	17.53	20.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 16	17.50	20.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 16	17.34	20.00	

CA_38C_Ant 8												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	0	0	0	1	0	Full Power	23.26	24.50	
37901	38099	QPSK	1	0	0	0	1	0	Full Power	23.20	24.50	
38150	37952	QPSK	1	0	0	0	1	0	Full Power	23.00	24.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 9	17.55	18.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 9	17.36	18.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 9	17.19	18.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 10	14.55	15.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 10	14.31	15.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 10	14.04	15.50	
37850	38048	QPSK	1	0	0	0	1	0	DSI 17	19.00	20.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 17	18.74	20.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 17	18.65	20.00	
37850	38048	QPSK	1	0	0	0	1	0	DSI 15	21.91	23.00	
37901	38099	QPSK	1	0	0	0	1	0	DSI 15	21.83	23.00	
38150	37952	QPSK	1	0	0	0	1	0	DSI 15	21.70	23.00	
37850	38048	QPSK	1	0	0	0	1	0	DSI 16	18.33	19.50	
37901	38099	QPSK	1	0	0	0	1	0	DSI 16	18.28	19.50	
38150	37952	QPSK	1	0	0	0	1	0	DSI 16	18.06	19.50	

CA_41C_Ant 2												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
39790	39988	QPSK	1	0	0	0	1	0	Full Power	23.43	24.50	
39750	39948	QPSK	1	0	0	0	1	0	Full Power	23.39	24.50	
40185	39987	QPSK	1	0	0	0	1	0	Full Power	23.64	24.50	
40620	40422	QPSK	1	0	0	0	1	0	Full Power	23.60	24.50	
41065	41253	QPSK	1	0	0	0	1	0	Full Power	23.61	24.50	
41490	41292	QPSK	1	0	0	0	1	0	Full Power	23.66	24.50	
39790	39988	QPSK	1	0	0	0	1	0	DSI 9	23.43	24.50	
39750	39948	QPSK	1	0	0	0	1	0	DSI 9	23.39	24.50	
40185	39987	QPSK	1	0	0	0	1	0	DSI 9	23.64	24.50	
40620	40422	QPSK	1	0	0	0	1	0	DSI 9	23.60	24.50	
41065	41253	QPSK	1	0	0	0	1	0	DSI 9	23.61	24.50	
41490	41292	QPSK	1	0	0	0	1	0	DSI 9	23.66	24.50	
39790	39988	QPSK	1	0	0	0	1	0	DSI 10	23.43	24.50	
39750	39948	QPSK	1	0	0	0	1	0	DSI 10	23.39	24.50	
40185	39987	QPSK	1	0	0	0	1	0	DSI 10	23.64	24.50	
40620	40422	QPSK	1	0	0	0	1	0	DSI 10	23.60	24.50	
41065	41253	QPSK	1	0	0	0	1	0	DSI 10	23.61	24.50	
41490	41292	QPSK	1	0	0	0	1	0	DSI 10	23.66	24.50	
39790	39988	QPSK	1	0	0	0	1	0	DSI 17	23.43	24.50	
39750	39948	QPSK	1	0	0	0	1	0	DSI 17	23.39	24.50	
40185	39987	QPSK	1	0	0	0	1	0	DSI 17	23.64	24.50	
40620	40422	QPSK	1	0	0	0	1	0	DSI 17	23.60	24.50	
41065	41253	QPSK	1	0	0	0	1	0	DSI 17	23.61	24.50	
41490	41292	QPSK	1	0	0	0	1	0	DSI 17	23.66	24.50	
39790	39988	QPSK	1	0	0	0	1	0	DSI 15	23.43	24.50	
39750	39948	QPSK	1	0	0	0	1	0	DSI 15	23.39	24.50	
40185	39987	QPSK	1	0	0	0	1	0	DSI 15	23.64	24.50	
40620	40422	QPSK	1	0	0	0	1	0	DSI 15	23.60	24.50	
41065	41253	QPSK	1	0	0	0	1	0	DSI 15	23.61	24.50	
41490	41292	QPSK	1	0	0	0	1	0	DSI 15	23.66	24.50	
39790	39988	QPSK	1	0	0	0	1	0	DSI 16	23.43	24.50	
39750	39948	QPSK	1	0	0	0	1	0	DSI 16	23.39	24.50	
40185	39987	QPSK	1	0	0	0	1	0	DSI 16	23.64	24.50	
40620	40422	QPSK	1	0	0	0	1	0	DSI 16	23.60	24.50	
41065	41253	QPSK	1	0	0	0	1	0	DSI 16	23.61	24.50	
41490	41292	QPSK	1	0	0	0	1	0	DSI 16	23.66	24.50	

CA_41C_Ant 3												
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset						
39790	39988	QPSK	1	0	0	0	1					



CA_41C_Ant 4											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC				Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	SCC RB Size	SCC RB offset					
39790	39948	QPSK	1	0	0	0	1	0	Full Power	22.96	24.50
39750	39948	QPSK	1	0	0	0	1	0	Full Power	23.01	24.50
40185	39987	QPSK	1	0	0	0	1	0	Full Power	22.62	24.50
40620	40422	QPSK	1	0	0	0	1	0	Full Power	22.43	24.50
41055	41253	QPSK	1	0	0	0	1	0	Full Power	22.51	24.50
41490	41292	QPSK	1	0	0	0	1	0	Full Power	22.56	24.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 9	16.79	18.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 9	16.95	18.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 9	16.52	18.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 9	16.33	18.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 9	16.35	18.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 9	16.38	18.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 10	15.72	17.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 10	15.94	17.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 10	15.72	17.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 10	15.32	17.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 10	15.34	17.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 10	15.38	17.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 17	17.64	19.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 17	17.85	19.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 17	17.76	19.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 17	17.21	19.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 17	17.28	19.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 17	17.31	19.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 15	21.67	23.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 15	21.72	23.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 15	21.72	23.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 15	21.80	23.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 15	21.86	23.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 15	21.81	23.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 16	18.66	20.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 16	18.35	20.00
40185	39987	QPSK	1	0	0	0	1	0	DSI 16	18.21	20.00
40620	40422	QPSK	1	0	0	0	1	0	DSI 16	18.39	20.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 16	18.52	20.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 16	17.87	20.00

CA_41C_Ant 8											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC				Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	SCC RB Size	SCC RB offset					
39790	39948	QPSK	1	0	0	0	1	0	Full Power	23.67	24.50
39750	39948	QPSK	1	0	0	0	1	0	Full Power	23.70	24.50
40185	39987	QPSK	1	0	0	0	1	0	Full Power	23.66	24.50
40620	40422	QPSK	1	0	0	0	1	0	Full Power	23.59	24.50
41055	41253	QPSK	1	0	0	0	1	0	Full Power	23.12	24.50
41490	41292	QPSK	1	0	0	0	1	0	Full Power	22.76	24.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 9	17.62	18.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 9	17.71	18.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 9	17.56	18.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 9	17.75	18.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 9	17.24	18.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 9	16.80	18.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 10	14.50	15.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 10	14.64	15.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 10	14.40	15.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 10	14.65	15.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 10	14.11	15.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 10	13.76	15.50
39790	39988	QPSK	1	0	0	0	1	0	DSI 17	18.89	20.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 17	19.00	20.00
40185	39987	QPSK	1	0	0	0	1	0	DSI 17	18.86	20.00
40620	40422	QPSK	1	0	0	0	1	0	DSI 17	18.86	20.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 17	18.62	20.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 17	18.21	20.00
39790	39988	QPSK	1	0	0	0	1	0	DSI 15	22.10	23.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 15	22.11	23.00
40185	39987	QPSK	1	0	0	0	1	0	DSI 15	22.15	23.00
40620	40422	QPSK	1	0	0	0	1	0	DSI 15	22.20	23.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 15	21.84	23.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 15	21.28	23.00
39790	39988	QPSK	1	0	0	0	1	0	DSI 16	18.56	19.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 16	18.75	19.50
40185	39987	QPSK	1	0	0	0	1	0	DSI 16	18.62	19.50
40620	40422	QPSK	1	0	0	0	1	0	DSI 16	18.60	19.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 16	18.23	19.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 16	17.83	19.50



Downlink CA Power

Full Power		2CC																			
Configure	CA Configuration (BCS)	PCC							SCC				Power								
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)							
Inter-Band	CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	2655	3100	23.25	23.65							
	CA_4A-48A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	23.43	23.69							
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0	Band 26	15M	876.5	8965	23.42	23.58							
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	0	Band 41	20M	2593	40620	23.38	23.58							
	CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	23.11	23.38							
Intra-Band	CA_12A-30A	Band 12	10M	707.5	23095	QPSK	1	0	Band 30	10M	2355	9820	23.08	23.44							
	CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	23.53	23.98							
Non-Contiguous	CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.80	38048	23.22	23.65							
	CA_66B	Band 66	20M	1745	132322	QPSK	1	0	Band 66	10M	2184.90	67185	23.35	23.76							

3CC		3CC																			
Configure	CA Configuration (BCS)	PCC							SCC				SCC2				Power				
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)			
Inter-Band	CA_5A-7A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	23.23	23.33			
	CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.36	23.77			
	CA_5A-7C	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.27	23.33			
	CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.24	23.69			
	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 4	20M	2132.5	2175	23.36	23.55			
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525	23.31	23.55			
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 66	20M	2155	66886	23.35	23.55			
	CA_5A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.23	23.33			
	CA_2A-48A-48A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	5M	3697.5	56715	23.34	23.55			
	CA_2A-48A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 66	20M	2155	66886	23.38	23.55			
	CA_4A-48C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	23.23	23.69			
	CA_5A-48A-48A	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3641	56150	Band 48	5M	3697.5	56715	23.28	23.33			
	CA_5A-48A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3641	56150	Band 66	20M	2155	66886	23.25	23.33			
	CA_5A-48C	Band 5	10M	836.5	20525	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3660.8	56348	23.20	23.33			
	CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.33	23.44			
	CA_12A-66C	Band 12	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.31	23.44			
	CA_2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	Band 66	20M	2155	66886	23.27	23.55			
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 71	20M	634.5	68761	23.25	23.55			
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	23.36	23.55			
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	Band 66	20M	2155	66886	23.22	23.55			
	CA_4A-4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 12	10M	737.5	5095	23.43	23.69			
	CA_4A-4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	Band 71	20M	634.5	68761	23.46	23.69			
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095	23.38	23.55			
	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 71	20M	634.5	68761	23.27	23.55			
	CA_2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	Band 71	20M	634.5	68761	23.33	23.55			
	CA_66A-66A-71A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 71	20M	634.5	68761	23.42	23.76			
	CA_66C-71A	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 71	20M	634.5	68761	23.37	23.76			
	CA_25A-41C	Band 25	20M	1880	26340	QPSK	1	0	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	23.26	23.58			
	CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 66	20M	2155	66886	23.44	23.55			
	CA_25A-25A-66A	Band 25	20M	1880	26340	QPSK	1	0	Band 25	5M	1992.5	8665	Band 66	20M	2155	66886	23.46	23.58			
	CA_30A-66A-66A	Band 30	10M	2310	27710	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.53	23.97			
	CA_4A-12A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	23.58	23.97			
	CA_4A-5A-30A	Band 30	10M	2310	27710	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.54	23.97			
	Intra-Band	CA_41A-41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2655.1	41241	Band 41	20M	2674.9	41439	23.53	23.98		
		CA_66A-66C	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.27	23.59		
CA_66A-66A-66A		Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	2197.5	67311	Band 66	20M	2155	66886	23.14	23.59			
CA_48A-48C		Band 48	20M	3641	56150	QPSK	1	0	Band 48	20M	3665.1	56391	Band 48	20M	3684.9	56589	23.38	23.45			

4CC		4CC																				
Configure	CA Configuration (BCS)	PCC							SCC				SCC2				SCC3				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx Power (dBm)	W/O CA Tx Power (dBm)
Inter-Band	CA_7C-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.31	23.77
	CA_2A-4A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 4	5M	2152.5	2375	Band 5	10M	881.5	2525	23.27	23.55
	CA_2A-48D	Band 2	20M	1880	18900	QPSK	1	0	Band 48	20M	3641	56150	Band 48	20M	3670.2	56442	Band 48	20M	3690	56640	23.16	23.55
	CA_48A-48A-66A-66A	Band 48	20M	3641	56150	QPSK	1	0	Band 48	5M	3607	55810	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.32	23.45
	CA_48A-48A-66C	Band 48	20M	3641	56150	QPSK	1	0	Band 48	5M	3607	55810	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.27	23.45
	CA_48C-66A-66A	Band 48	20M	3641	56150	QPSK	1	0	Band 48	20M	3621.2	55952	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.34	23.45
	CA_2A-5A-48C	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 48	20M	3665.1	56391	Band 48	20M	3684.9	56589	23.27	23.55
CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0	Band 41	20M	2634.4	41034	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	23.36	23.58	
Intra-Band	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2660.2	41292	Band 41	20M	2680	41490	23.53	23.98
	CA_41A-41D	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	2593	40620	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	23.45	23.76
Non-Contiguous	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41076	Band 41	20M	2658.4	41274	23.53	23.98



Full&Default Power

n2_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.00	18.00	18.00		
20	QPSK	1	53	23.15	23.32	23.32	24.5	0.0
20	QPSK	1	104	23.15	23.32	23.32		
20	QPSK	50	5	22.31	22.31	22.42	24.5	1.0
20	QPSK	50	26	22.31	22.31	22.42	24.5	0.0
20	QPSK	50	56	22.31	22.31	22.42		
20	QPSK	100	5	22.32	22.32	22.42	23.5	1.0
20	16QAM	1	1	21.72	21.88	21.88	23.5	1.0
20	16QAM	1	1	21.88	21.72	21.72	22.0	2.5
20	256QAM	1	1	18.07	18.24	18.22	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.11	23.34	23.34	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.10	23.30	23.30	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.02	23.15	23.15	24.5	0.0

n2_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.42	22.36	22.36		
20	QPSK	1	53	23.21	23.31	23.35	24.5	0.0
20	QPSK	1	104	23.21	23.36	23.38		
20	QPSK	50	5	22.32	22.32	22.38	23.5	1.0
20	QPSK	50	26	22.32	22.42	22.41	24.5	0.0
20	QPSK	50	56	22.32	22.32	22.34		
20	QPSK	100	5	22.32	22.32	22.34	23.5	1.0
20	16QAM	1	1	21.26	21.39	21.31	23.5	1.0
20	16QAM	1	1	21.36	21.48	21.32	22.0	2.5
20	256QAM	1	1	18.20	18.34	18.40	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.22	23.46	23.34	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.21	23.40	23.21	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.25	23.41	23.21	24.5	0.0

n5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.42	22.36	22.36		
30	QPSK	1	53	23.40	23.48	23.38	24.5	0.0
30	QPSK	1	104	22.87	22.31	22.85		
30	QPSK	50	5	22.30	22.35	22.28	23.5	1.0
30	QPSK	50	26	22.31	22.22	22.09	24.5	0.0
30	QPSK	50	56	22.30	22.12	21.88		
30	QPSK	100	5	22.05	22.18	22.02	23.5	1.0
30	16QAM	1	1	21.85	21.94	21.84	23.5	1.0
30	16QAM	1	1	20.72	20.82	20.65	20.0	2.5
30	256QAM	1	1	18.73	18.86	18.77	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.21	23.38	23.20	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.22	23.38	23.21	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.10	23.24	23.23	24.5	0.0

n5_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.42	22.36	22.36		
30	QPSK	1	53	23.28	23.47	23.21	24.5	0.0
30	QPSK	1	104	22.98	22.18	22.96		
30	QPSK	50	5	22.02	22.21	21.98	23.5	1.0
30	QPSK	50	26	22.01	22.01	22.00	24.5	0.0
30	QPSK	50	56	22.00	22.06	22.00		
30	QPSK	100	5	22.04	22.30	22.00	23.5	1.0
30	16QAM	1	1	21.97	22.25	22.02	23.5	1.0
30	16QAM	1	1	20.75	21.02	20.78	20.0	2.5
30	256QAM	1	1	18.81	18.85	18.79	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.20	23.38	23.24	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.24	23.41	23.21	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.12	23.42	23.16	24.5	0.0



n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. (MHz)	Power Media Ch. F.Freq. (MHz)	Power High Ch. F.Freq. (MHz)	Tune-up Int. (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.35	23.40	23.45	24.5	0.0
20	QPSK	1	53	23.35	23.47	23.45	24.5	0.0
20	QPSK	1	104	23.31	23.46	23.42		
20	QPSK	50	5	22.95	22.71	22.82	23.5	1.0
20	QPSK	50	26	22.95	22.75	22.71	24.5	0.0
20	QPSK	50	56	22.95	22.84	22.78	24.5	1.0
20	QPSK	100	0	22.95	22.85	22.85	23.5	1.0
20	16QAM	1	1	22.48	22.54	22.59	22.5	1.0
20	16QAM	1	1	21.81	21.90	21.92	22.5	2.5
20	256QAM	1	1	18.13	18.28	18.22	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.35	23.42	23.40	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.35	23.38	23.36	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.25	23.40	23.43	24.5	0.0

n7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. (MHz)	Power Media Ch. F.Freq. (MHz)	Power High Ch. F.Freq. (MHz)	Tune-up Int. (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.35	23.34	23.32	24.5	0.0
20	QPSK	1	53	23.35	23.41	23.37	24.5	0.0
20	QPSK	1	104	22.78	23.18	22.84		
20	QPSK	50	5	23.12	23.41	23.17	23.5	1.0
20	QPSK	50	26	23.12	23.35	23.20	24.5	0.0
20	QPSK	50	56	23.12	23.26	23.24	24.5	1.0
20	QPSK	100	0	23.08	23.44	23.15	23.5	1.0
20	16QAM	1	1	23.05	23.41	23.08	23.5	1.0
20	16QAM	1	1	21.48	21.82	21.53	22.5	2.5
20	256QAM	1	1	18.28	18.52	18.60	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.44	23.13	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.04	23.44	23.13	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.03	23.33	23.18	24.5	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. (MHz)	Power Media Ch. F.Freq. (MHz)	Power High Ch. F.Freq. (MHz)	Tune-up Int. (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.58	22.82	22.85	24.5	0.0
20	QPSK	1	53	22.58	22.82	22.85	24.5	0.0
20	QPSK	1	104	22.55	22.86	22.85		
20	QPSK	50	5	21.95	21.85	21.71	23.5	1.0
20	QPSK	50	26	21.95	22.07	21.91	24.5	0.0
20	QPSK	50	56	21.95	21.86	21.71	23.5	1.0
20	QPSK	100	0	21.70	22.07	21.75	23.5	1.0
20	16QAM	1	1	22.21	22.34	22.24	23.5	1.0
20	16QAM	1	1	21.18	21.25	21.20	22.0	2.5
20	256QAM	1	1	18.19	18.01	18.09	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.83	22.82	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.60	22.83	22.82	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.63	22.72	22.59	24.5	0.0

n7_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. (MHz)	Power Media Ch. F.Freq. (MHz)	Power High Ch. F.Freq. (MHz)	Tune-up Int. (MHz)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.58	22.82	22.85	24.5	0.0
20	QPSK	1	53	22.58	22.82	22.85	24.5	0.0
20	QPSK	1	104	22.58	22.82	22.85		
20	QPSK	50	5	22.80	22.25	21.98	23.5	1.0
20	QPSK	50	26	22.81	22.83	22.82	24.5	0.0
20	QPSK	50	56	22.80	22.82	22.82	23.5	1.0
20	QPSK	100	0	22.15	22.22	21.84	23.5	1.0
20	16QAM	1	1	22.76	21.88	21.89	23.5	1.0
20	16QAM	1	1	21.48	20.92	20.97	22.0	2.5
20	256QAM	1	1	19.22	19.21	19.20	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.81	22.80	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.60	22.83	22.82	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.61	22.75	22.61	24.5	0.0



n12_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.32	23.32	23.32		
15	QPSK	1	40	23.35	23.41	23.24	24.5	0.0
15	QPSK	1	77	23.35	23.48	23.30		
15	QPSK	36	5	22.55	22.45	22.25	23.5	1.0
15	QPSK	36	22	22.55	22.55	22.47	24.5	0.0
15	QPSK	36	43	22.55	22.31	22.44		
15	QPSK	36	43	22.55	22.40	22.37	23.5	1.0
15	16QAM	1	1	23.13	22.25	22.11	23.5	1.0
15	16QAM	1	1	21.05	21.18	21.02	22.5	2.5
15	256QAM	1	1	18.52	18.77	18.59	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.32	23.39	23.22	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.28	23.42	23.29	24.5	0.0

n12_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.42	23.36	23.43		
15	QPSK	1	40	23.45	23.55	23.43	24.5	0.0
15	QPSK	1	77	23.35	23.47	23.34		
15	QPSK	36	5	22.52	22.37	22.27	23.5	1.0
15	QPSK	36	22	22.52	22.52	22.45	24.5	0.0
15	QPSK	36	43	22.45	22.46	22.44		
15	QPSK	36	43	22.43	22.33	22.41	23.5	1.0
15	16QAM	1	1	22.41	22.49	22.38	23.5	1.0
15	16QAM	1	1	20.09	21.03	20.85	22.0	2.5
15	256QAM	1	1	18.20	18.88	18.70	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.41	23.48	23.42	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.25	23.44	23.26	24.5	0.0

n25_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.45	23.36	23.45		
30	QPSK	1	53	23.38	23.55	23.21	24.5	0.0
30	QPSK	1	104	23.28	23.45	23.09		
30	QPSK	36	5	22.85	22.82	22.41	23.5	1.0
30	QPSK	36	28	22.77	22.44	22.07	24.5	0.0
30	QPSK	36	56	22.48	22.46	22.41		
30	QPSK	36	56	22.81	22.81	22.41	23.5	1.0
30	16QAM	1	1	22.48	22.86	22.28	23.5	1.0
30	16QAM	1	1	21.09	21.29	20.95	22.0	2.5
30	256QAM	1	1	19.24	19.42	19.22	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.45	23.44	23.25	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.42	23.48	23.22	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.42	23.47	23.25	24.5	0.0

n25_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Media Ch. F/Freq.	Power High Ch. F/Freq.	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.45	23.36	23.45		
30	QPSK	1	53	23.38	23.21	22.83	24.5	0.0
30	QPSK	1	104	23.09	23.24	22.89		
30	QPSK	36	5	22.85	22.82	22.41	23.5	1.0
30	QPSK	36	28	22.77	22.35	22.01	24.5	0.0
30	QPSK	36	56	22.48	22.46	22.41		
30	QPSK	36	56	22.79	22.85	22.60	23.5	1.0
30	16QAM	1	1	22.51	22.71	22.33	23.5	1.0
30	16QAM	1	1	21.20	21.25	21.01	22.0	2.5
30	256QAM	1	1	19.45	19.48	19.30	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.15	23.34	22.58	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.12	23.23	22.47	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.16	23.29	22.44	24.5	0.0



n30_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Media Ch./Frac.	Power High Ch./Frac.	Tone-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.30				
10	QPSK	1	36	23.30			24.5	0.0
10	QPSK	1	50	23.34				
10	QPSK	5	5	23.21			23.5	1.0
10	QPSK	14	14	23.51			24.5	0.0
10	QPSK	20	20	23.56				
10	QPSK	50	5	23.41			23.5	1.0
10	16QAM	1	1	23.43			23.5	1.0
10	16QAM	1	1	23.07			22.5	2.5
10	256QAM	1	1	18.91			20.0	4.5

n30_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Media Ch./Frac.	Power High Ch./Frac.	Tone-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.30				
10	QPSK	1	36	23.45			24.5	0.0
10	QPSK	1	50	23.53				
10	QPSK	5	5	23.75			23.5	1.0
10	QPSK	20	14	23.60			24.5	0.0
10	QPSK	20	20	23.40				
10	QPSK	50	5	23.58			23.5	1.0
10	16QAM	1	1	23.14			23.5	1.0
10	16QAM	1	1	23.26			22.0	2.5
10	256QAM	1	1	18.76			20.0	4.5

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Media Ch./Frac.	Power High Ch./Frac.	Tone-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.05	17.65	17.65		
30	QPSK	1	30	22.51	22.86	22.85	24.5	0.0
30	QPSK	1	158	22.52	22.88	22.89		
30	QPSK	5	5	22.52	22.75	22.67	23.5	1.0
30	QPSK	40	40	22.50	22.44	22.51	24.5	0.0
30	QPSK	80	30	22.52	22.51	22.52		
30	QPSK	160	5	22.58	22.54	22.55	23.5	1.0
30	16QAM	1	1	22.62	22.11	22.03	23.5	1.0
30	16QAM	1	1	21.11	21.53	21.24	22.0	2.5
30	256QAM	1	1	18.22	18.65	18.29	20.0	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.05	17.65	17.65		
30	QPSK	1	1	23.08	23.48	23.21	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.05	17.65	17.65		
10	QPSK	1	1	22.07	21.44	21.73	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.05	23.45	23.23	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.00	23.30	23.17	24.5	0.0

n66_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Media Ch./Frac.	Power High Ch./Frac.	Tone-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.05	17.65	17.65		
30	QPSK	1	30	22.52	22.88	22.85	24.5	0.0
30	QPSK	1	158	22.54	22.86	22.82		
30	QPSK	5	5	22.52	22.67	22.61	23.5	1.0
30	QPSK	40	40	22.50	22.43	22.50	24.5	0.0
30	QPSK	80	30	22.51	22.54	22.52		
30	QPSK	160	5	22.58	22.53	22.53	23.5	1.0
30	16QAM	1	1	22.30	22.40	22.20	23.5	1.0
30	16QAM	1	1	21.04	21.15	20.98	22.0	2.5
30	256QAM	1	1	18.20	18.29	18.20	20.0	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.05	17.65	17.65		
30	QPSK	1	1	23.30	23.51	23.21	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.05	17.65	17.65		
10	QPSK	1	1	22.07	21.44	21.73	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.05	23.45	23.20	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.00	23.30	23.20	24.5	0.0



n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	1	1745	1765	1785		
30	QPSK	1	80	23.41	23.48	23.55	24.5	0.0
30	QPSK	1	158	23.42	23.45	23.51		
30	QPSK	80	0	22.51	22.58	22.61	23.5	1.0
30	QPSK	80	40	22.47	22.49	22.47	24.5	0.0
30	QPSK	80	80	22.58	22.58	22.58		
30	QPSK	160	0	22.78	22.78	22.78	23.5	1.0
30	16QAM	1	1	22.58	22.45	22.44	23.5	1.0
30	16QAM	1	1	21.45	21.02	21.08	22.0	2.5
30	256QAM	1	1	18.71	18.61	18.45	20.0	4.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	1725	1745	1770		
20	QPSK	1	1	23.43	23.45	23.35	24.5	0.0
Channel								
Frequency (MHz)								
18	QPSK	1	1	1717.5	1745	1772.5		
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.41	23.41	23.39	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.33	23.44	23.32	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.35	23.46	23.30	24.5	0.0

n66_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	1	1745	1765	1785		
30	QPSK	1	80	23.38	23.49	23.55	24.5	0.0
30	QPSK	1	158	23.27	23.45	22.50		
30	QPSK	80	0	22.51	22.44	22.55	23.5	1.0
30	QPSK	80	40	22.47	22.43	22.28	24.5	0.0
30	QPSK	80	80	22.42	22.38	22.45		
30	QPSK	160	0	22.57	22.58	22.56	23.5	1.0
30	16QAM	1	1	22.21	22.26	22.15	23.5	1.0
30	16QAM	1	1	20.83	20.85	20.81	22.0	2.5
30	256QAM	1	1	18.20	18.32	18.78	20.0	4.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	1725	1745	1770		
20	QPSK	1	1	23.37	23.44	23.38	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.33	23.41	23.23	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.35	23.32	23.25	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.38	23.37	23.35	24.5	0.0

n71_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	1	1745	1765	1785		
30	QPSK	1	53	23.21	23.35	23.22	24.5	0.0
30	QPSK	1	104	23.22	23.32	23.28		
30	QPSK	80	0	22.51	22.38	22.29	23.5	1.0
30	QPSK	80	28	22.47	22.39	22.21	24.5	0.0
30	QPSK	80	56	22.42	22.29	22.21		
30	QPSK	160	0	22.52	22.31	22.22	23.5	1.0
30	16QAM	1	1	22.10	22.18	22.12	23.5	1.0
30	16QAM	1	1	20.74	20.82	20.72	22.0	2.5
30	256QAM	1	1	18.52	18.15	18.23	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	1717.5	1745	1770		
15	QPSK	1	1	23.20	23.27	23.10	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.27	23.10	23.12	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.10	23.10	23.05	24.5	0.0

n71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dB)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	1	1745	1765	1785		
30	QPSK	1	53	23.11	23.42	23.10	24.5	0.0
30	QPSK	1	104	23.10	23.21	23.12		
30	QPSK	80	0	22.24	22.28	22.20	23.5	1.0
30	QPSK	80	28	22.18	22.21	22.15	24.5	0.0
30	QPSK	80	56	22.42	22.29	22.21		
30	QPSK	160	0	22.21	22.24	22.20	23.5	1.0
30	16QAM	1	1	22.21	22.12	22.12	23.5	1.0
30	16QAM	1	1	20.38	20.25	20.32	22.0	2.5
30	256QAM	1	1	18.31	18.38	18.30	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	1717.5	1745	1770		
15	QPSK	1	1	22.55	22.25	22.22	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.57	22.15	22.12	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.50	22.14	22.12	24.5	0.0



n38_Ant 2									
SV (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F.Freq.	Power Min. Ch. F.Freq.	Power Max. Ch. F.Freq.	Time-up time (ms)	MFR (Hz)	
Channel									
Frequency (MHz)				2160.0	2160.0	2160.0			
40	QPSK	1	0	2111	2120	2129	24.5	0.0	
40	QPSK	1	50	2161	2170	2179			
40	QPSK	1	100	2211	2220	2229			
40	QPSK	50	0	2274	2283	2292			
40	QPSK	50	50	2324	2333	2342	24.5	0.0	
40	QPSK	50	100	2374	2383	2392			
40	QPSK	50	150	2424	2433	2442			
40	QPSK	100	0	2487	2496	2505	24.5	0.0	
40	QPSK	100	50	2537	2546	2555			
40	QPSK	100	100	2587	2596	2605			
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	1841	1845	1849	2.5		
Channel									
Frequency (MHz)				21700	21700	21700			
30	QPSK	1	1	2121	2130	2139	24.5	0.0	
Channel									
Frequency (MHz)				2180	2180	2180			
20	QPSK	1	1	2120	2120	2120	24.5	0.0	

n38_Ant 3									
SV (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F.Freq.	Power Min. Ch. F.Freq.	Power Max. Ch. F.Freq.	Time-up time (ms)	MFR (Hz)	
Channel									
Frequency (MHz)				2160.0	2160.0	2160.0			
40	QPSK	1	1	2111	2120	2129	24.5	0.0	
40	QPSK	1	50	2161	2170	2179			
40	QPSK	1	100	2211	2220	2229			
40	QPSK	50	0	2274	2283	2292			
40	QPSK	50	50	2324	2333	2342	24.5	0.0	
40	QPSK	50	100	2374	2383	2392			
40	QPSK	50	150	2424	2433	2442			
40	QPSK	100	0	2487	2496	2505	24.5	0.0	
40	QPSK	100	50	2537	2546	2555			
40	QPSK	100	100	2587	2596	2605			
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	1841	1845	1849	2.5		
Channel									
Frequency (MHz)				21700	21700	21700			
30	QPSK	1	1	2121	2130	2139	24.5	0.0	
Channel									
Frequency (MHz)				2180	2180	2180			
20	QPSK	1	1	2120	2120	2120	24.5	0.0	

n38_Ant 4									
SV (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F.Freq.	Power Min. Ch. F.Freq.	Power Max. Ch. F.Freq.	Time-up time (ms)	MFR (Hz)	
Channel									
Frequency (MHz)				2160.0	2160.0	2160.0			
40	QPSK	1	1	2111	2120	2129	24.5	0.0	
40	QPSK	1	50	2161	2170	2179			
40	QPSK	1	100	2211	2220	2229			
40	QPSK	50	0	2274	2283	2292			
40	QPSK	50	50	2324	2333	2342	24.5	0.0	
40	QPSK	50	100	2374	2383	2392			
40	QPSK	50	150	2424	2433	2442			
40	QPSK	100	0	2487	2496	2505	24.5	0.0	
40	QPSK	100	50	2537	2546	2555			
40	QPSK	100	100	2587	2596	2605			
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	1841	1845	1849	2.5		
Channel									
Frequency (MHz)				21700	21700	21700			
30	QPSK	1	1	2121	2130	2139	24.5	0.0	
Channel									
Frequency (MHz)				2180	2180	2180			
20	QPSK	1	1	2120	2120	2120	24.5	0.0	

n38_Ant 8									
SV (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. F.Freq.	Power Min. Ch. F.Freq.	Power Max. Ch. F.Freq.	Time-up time (ms)	MFR (Hz)	
Channel									
Frequency (MHz)				2160.0	2160.0	2160.0			
40	QPSK	1	1	2111	2120	2129	24.5	0.0	
40	QPSK	1	50	2161	2170	2179			
40	QPSK	1	100	2211	2220	2229			
40	QPSK	50	0	2274	2283	2292			
40	QPSK	50	50	2324	2333	2342	24.5	0.0	
40	QPSK	50	100	2374	2383	2392			
40	QPSK	50	150	2424	2433	2442			
40	QPSK	100	0	2487	2496	2505	24.5	0.0	
40	QPSK	100	50	2537	2546	2555			
40	QPSK	100	100	2587	2596	2605			
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	2154	2158	2162	2.5		
40	SCDMA	1	1	1841	1845	1849	2.5		
Channel									
Frequency (MHz)				21700	21700	21700			
30	QPSK	1	1	2121	2130	2139	24.5	0.0	
Channel									
Frequency (MHz)				2180	2180	2180			
20	QPSK	1	1	2120	2120	2120	24.5	0.0	



FCC_n41_Ant 4										
BSI (MHz)	Modulation	RB Size	RB Chan	Power Tx (W)	Power Ch. F.Freq.	Power Rx (W)	Power Ch. F.Freq.	Power Tx (W)	Power Ch. F.Freq.	MFR (dB)
Channel										
Frequency (MHz)										
100	QPSK	1	1	23.15	23.15	23.15	23.15	24.5	0.0	
100	QPSK	1	137	23.86	23.86	23.86	23.86	24.5	0.0	
100	QPSK	1	271	23.87	23.87	23.87	23.87	24.5	0.0	
100	QPSK	150	6	23.28	23.45	23.41	23.41	24.5	0.0	
100	QPSK	150	18	23.35	23.52	23.48	23.48	24.5	0.0	
100	QPSK	150	30	23.42	23.59	23.55	23.55	24.5	0.0	
100	QPSK	150	42	23.49	23.66	23.62	23.62	24.5	0.0	
100	QPSK	150	54	23.56	23.73	23.69	23.69	24.5	0.0	
100	QPSK	150	66	23.63	23.80	23.76	23.76	24.5	0.0	
100	QPSK	150	78	23.70	23.87	23.83	23.83	24.5	0.0	
100	QPSK	150	90	23.77	23.94	23.90	23.90	24.5	0.0	
100	QPSK	150	102	23.84	24.01	23.97	23.97	24.5	0.0	
100	QPSK	150	114	23.91	24.08	24.04	24.04	24.5	0.0	
100	QPSK	150	126	23.98	24.15	24.11	24.11	24.5	0.0	
100	QPSK	150	138	24.05	24.22	24.18	24.18	24.5	0.0	
100	QPSK	150	150	24.12	24.29	24.25	24.25	24.5	0.0	
100	QPSK	150	162	24.19	24.36	24.32	24.32	24.5	0.0	
100	QPSK	150	174	24.26	24.43	24.39	24.39	24.5	0.0	
100	QPSK	150	186	24.33	24.50	24.46	24.46	24.5	0.0	
100	QPSK	150	198	24.40	24.57	24.53	24.53	24.5	0.0	
100	QPSK	150	210	24.47	24.64	24.60	24.60	24.5	0.0	
100	QPSK	150	222	24.54	24.71	24.67	24.67	24.5	0.0	
100	QPSK	150	234	24.61	24.78	24.74	24.74	24.5	0.0	
100	QPSK	150	246	24.68	24.85	24.81	24.81	24.5	0.0	
100	QPSK	150	258	24.75	24.92	24.88	24.88	24.5	0.0	
100	QPSK	150	270	24.82	24.99	24.95	24.95	24.5	0.0	
100	QPSK	150	282	24.89	25.06	25.02	25.02	24.5	0.0	
100	QPSK	150	294	24.96	25.13	25.09	25.09	24.5	0.0	
100	QPSK	150	306	25.03	25.20	25.16	25.16	24.5	0.0	
100	QPSK	150	318	25.10	25.27	25.23	25.23	24.5	0.0	
100	QPSK	150	330	25.17	25.34	25.30	25.30	24.5	0.0	
100	QPSK	150	342	25.24	25.41	25.37	25.37	24.5	0.0	
100	QPSK	150	354	25.31	25.48	25.44	25.44	24.5	0.0	
100	QPSK	150	366	25.38	25.55	25.51	25.51	24.5	0.0	
100	QPSK	150	378	25.45	25.62	25.58	25.58	24.5	0.0	
100	QPSK	150	390	25.52	25.69	25.65	25.65	24.5	0.0	
100	QPSK	150	402	25.59	25.76	25.72	25.72	24.5	0.0	
100	QPSK	150	414	25.66	25.83	25.79	25.79	24.5	0.0	
100	QPSK	150	426	25.73	25.90	25.86	25.86	24.5	0.0	
100	QPSK	150	438	25.80	25.97	25.93	25.93	24.5	0.0	
100	QPSK	150	450	25.87	26.04	26.00	26.00	24.5	0.0	
100	QPSK	150	462	25.94	26.11	26.07	26.07	24.5	0.0	
100	QPSK	150	474	26.01	26.18	26.14	26.14	24.5	0.0	
100	QPSK	150	486	26.08	26.25	26.21	26.21	24.5	0.0	
100	QPSK	150	498	26.15	26.32	26.28	26.28	24.5	0.0	
100	QPSK	150	510	26.22	26.39	26.35	26.35	24.5	0.0	
100	QPSK	150	522	26.29	26.46	26.42	26.42	24.5	0.0	
100	QPSK	150	534	26.36	26.53	26.49	26.49	24.5	0.0	
100	QPSK	150	546	26.43	26.60	26.56	26.56	24.5	0.0	
100	QPSK	150	558	26.50	26.67	26.63	26.63	24.5	0.0	
100	QPSK	150	570	26.57	26.74	26.70	26.70	24.5	0.0	
100	QPSK	150	582	26.64	26.81	26.77	26.77	24.5	0.0	
100	QPSK	150	594	26.71	26.88	26.84	26.84	24.5	0.0	
100	QPSK	150	606	26.78	26.95	26.91	26.91	24.5	0.0	
100	QPSK	150	618	26.85	27.02	26.98	26.98	24.5	0.0	
100	QPSK	150	630	26.92	27.09	27.05	27.05	24.5	0.0	
100	QPSK	150	642	26.99	27.16	27.12	27.12	24.5	0.0	
100	QPSK	150	654	27.06	27.23	27.19	27.19	24.5	0.0	
100	QPSK	150	666	27.13	27.30	27.26	27.26	24.5	0.0	
100	QPSK	150	678	27.20	27.37	27.33	27.33	24.5	0.0	
100	QPSK	150	690	27.27	27.44	27.40	27.40	24.5	0.0	
100	QPSK	150	702	27.34	27.51	27.47	27.47	24.5	0.0	
100	QPSK	150	714	27.41	27.58	27.54	27.54	24.5	0.0	
100	QPSK	150	726	27.48	27.65	27.61	27.61	24.5	0.0	
100	QPSK	150	738	27.55	27.72	27.68	27.68	24.5	0.0	
100	QPSK	150	750	27.62	27.79	27.75	27.75	24.5	0.0	
100	QPSK	150	762	27.69	27.86	27.82	27.82	24.5	0.0	
100	QPSK	150	774	27.76	27.93	27.89	27.89	24.5	0.0	
100	QPSK	150	786	27.83	28.00	27.96	27.96	24.5	0.0	
100	QPSK	150	798	27.90	28.07	28.03	28.03	24.5	0.0	
100	QPSK	150	810	27.97	28.14	28.10	28.10	24.5	0.0	
100	QPSK	150	822	28.04	28.21	28.17	28.17	24.5	0.0	
100	QPSK	150	834	28.11	28.28	28.24	28.24	24.5	0.0	
100	QPSK	150	846	28.18	28.35	28.31	28.31	24.5	0.0	
100	QPSK	150	858	28.25	28.42	28.38	28.38	24.5	0.0	
100	QPSK	150	870	28.32	28.49	28.45	28.45	24.5	0.0	
100	QPSK	150	882	28.39	28.56	28.52	28.52	24.5	0.0	
100	QPSK	150	894	28.46	28.63	28.59	28.59	24.5	0.0	
100	QPSK	150	906	28.53	28.70	28.66	28.66	24.5	0.0	
100	QPSK	150	918	28.60	28.77	28.73	28.73	24.5	0.0	
100	QPSK	150	930	28.67	28.84	28.80	28.80	24.5	0.0	
100	QPSK	150	942	28.74	28.91	28.87	28.87	24.5	0.0	
100	QPSK	150	954	28.81	28.98	28.94	28.94	24.5	0.0	
100	QPSK	150	966	28.88	29.05	29.01	29.01	24.5	0.0	
100	QPSK	150	978	28.95	29.12	29.08	29.08	24.5	0.0	
100	QPSK	150	990	29.02	29.19	29.15	29.15	24.5	0.0	
100	QPSK	150	1002	29.09	29.26	29.22	29.22	24.5	0.0	
100	QPSK	150	1014	29.16	29.33	29.29	29.29	24.5	0.0	
100	QPSK	150	1026	29.23	29.40	29.36	29.36	24.5	0.0	
100	QPSK	150	1038	29.30	29.47	29.43	29.43	24.5	0.0	
100	QPSK	150	1050	29.37	29.54	29.50	29.50	24.5	0.0	
100	QPSK	150	1062	29.44	29.61	29.57	29.57	24.5	0.0	
100	QPSK	150	1074	29.51	29.68	29.64	29.64	24.5	0.0	
100	QPSK	150	1086	29.58	29.75	29.71	29.71	24.5	0.0	
100	QPSK	150	1098	29.65	29.82	29.78	29.78	24.5	0.0	
100	QPSK	150	1110	29.72	29.89	29.85	29.85	24.5	0.0	
100	QPSK	150	1122	29.79	29.96	29.92	29.92	24.5	0.0	
100	QPSK	150	1134	29.86	30.03	29.99	29.99	24.5	0.0	
100	QPSK	150	1146	29.93	30.10	30.06	30.06	24.5	0.0	
100	QPSK	150	1158	30.00	30.17	30.13	30.13	24.5	0.0	
100	QPSK	150	1170	30.07	30.24	30.20	30.20	24.5	0.0	
100	QPSK	150	1182	30.14	30.31	30.27	30.27	24.5	0.0	
100	QPSK	150	1194	30.21	30.38	30.34	30.34	24.5	0.0	
100	QPSK	150	1206	30.28	30.45	30.41	30.41	24.5	0.0	
100	QPSK	150	1218	30.35	30.52	30.48	30.48	24.5	0.0	
100	QPSK	150	1230	30.42	30.59	30.55	30.55	24.5	0.0	
100	QPSK	150	1242	30.49	30.66	30.62	30.62	24.5	0.0	
100	QPSK	150	1254	30.56	30.73	30.69	30.69	24.5	0.0	
100	QPSK	150	1266	30.63	30.80	30.76	30.76	24.5	0.0	
100	QPSK	150	1278	30.70	30.87	30.83	30.83	24.5	0.0	
100	QPSK	150	1290	30.77	30.94	30.90	30.90	24.5	0.0	
100	QPSK	150	1302	30.84	31.01	30.97	30.97	24.5	0.0	
100	QPSK	150	1314	30.91	31.08	31.04	31.04	24.5	0.0	
100	QPSK	150	1326	30.98	31.15	31.11	31.11	24.5	0.0	
100	QPSK	150	1338	31.05	31.22	31.18	31.18	24.5	0.0	
100	QPSK	150	1350	31.12	31.29	31.25	31.25	24.5	0.0	
100	QPSK	150	1362	31.19	31.36	31.32	31.32	24.5	0.0	
100	QPSK	150	1374	31.26	31.43	31.39	31.39	24.5	0.0	
100	QPSK	150	1386	31.33	31.50	31.46	31.46	24.5	0.0	
100	QPSK	150	1398	31.40	31.57	31.53	31.53	24.5	0.0	
100	QPSK	150	1410	31.47	31.64	31.60	31.60	24.5	0.0	
100	QPSK	150	1422	31.54	31.71	31.67	31.67	24.5	0.0	
100	QPSK	150	1434	31.61	31.78	31.74	31.74	24.5	0.0	
100	QPSK	150	1446	31.68						



Part27Q_n77_Ant 6									
Bit Digits	Modulation	ISO Size	ISO Offset	Power Low Ch./F/Freq.	Power Mid Ch./F/Freq.	Power High Ch./F/Freq.	Turn-up Int. (MHz)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)									
100	QPSK	1	1	21.00	21.00	21.00			
100	QPSK	1	137	21.00	21.00	21.00	22.5	0.0	
100	QPSK	1	275	21.00	21.00	21.00			
100	QPSK	136	0	21.01	21.01	21.01			
100	QPSK	136	16	21.00	21.00	21.00	22.5	0.0	
100	QPSK	136	32	21.00	21.00	21.00			
100	QPSK	136	48	21.00	21.00	21.00			
100	QPSK	136	64	21.00	21.00	21.00			
100	QPSK	136	80	21.00	21.00	21.00			
100	QPSK	136	96	21.00	21.00	21.00			
100	QPSK	270	0	21.01	21.01	21.01	21.5	0.0	
100	QPSK	270	16	21.00	21.00	21.00	21.5	0.0	
100	QPSK	270	32	21.00	21.00	21.00			
100	QPSK	270	48	21.00	21.00	21.00			
100	QPSK	270	64	21.00	21.00	21.00			
100	QPSK	270	80	21.00	21.00	21.00			
100	QPSK	270	96	21.00	21.00	21.00			
100	QPSK	270	112	21.00	21.00	21.00			
100	QPSK	270	128	21.00	21.00	21.00			
100	QPSK	270	144	21.00	21.00	21.00			
100	QPSK	270	160	21.00	21.00	21.00			
100	QPSK	270	176	21.00	21.00	21.00			
100	QPSK	270	192	21.00	21.00	21.00			
100	QPSK	270	208	21.00	21.00	21.00			
100	QPSK	270	224	21.00	21.00	21.00			
100	QPSK	270	240	21.00	21.00	21.00			
100	QPSK	270	256	21.00	21.00	21.00			
100	QPSK	270	272	21.00	21.00	21.00			
100	QPSK	270	288	21.00	21.00	21.00			
100	QPSK	270	304	21.00	21.00	21.00			
100	QPSK	270	320	21.00	21.00	21.00			
100	QPSK	270	336	21.00	21.00	21.00			
100	QPSK	270	352	21.00	21.00	21.00			
100	QPSK	270	368	21.00	21.00	21.00			
100	QPSK	270	384	21.00	21.00	21.00			
100	QPSK	270	400	21.00	21.00	21.00			
100	QPSK	270	416	21.00	21.00	21.00			
100	QPSK	270	432	21.00	21.00	21.00			
100	QPSK	270	448	21.00	21.00	21.00			
100	QPSK	270	464	21.00	21.00	21.00			
100	QPSK	270	480	21.00	21.00	21.00			
100	QPSK	270	496	21.00	21.00	21.00			
100	QPSK	270	512	21.00	21.00	21.00			
100	QPSK	270	528	21.00	21.00	21.00			
100	QPSK	270	544	21.00	21.00	21.00			
100	QPSK	270	560	21.00	21.00	21.00			
100	QPSK	270	576	21.00	21.00	21.00			
100	QPSK	270	592	21.00	21.00	21.00			
100	QPSK	270	608	21.00	21.00	21.00			
100	QPSK	270	624	21.00	21.00	21.00			
100	QPSK	270	640	21.00	21.00	21.00			
100	QPSK	270	656	21.00	21.00	21.00			
100	QPSK	270	672	21.00	21.00	21.00			
100	QPSK	270	688	21.00	21.00	21.00			
100	QPSK	270	704	21.00	21.00	21.00			
100	QPSK	270	720	21.00	21.00	21.00			
100	QPSK	270	736	21.00	21.00	21.00			
100	QPSK	270	752	21.00	21.00	21.00			
100	QPSK	270	768	21.00	21.00	21.00			
100	QPSK	270	784	21.00	21.00	21.00			
100	QPSK	270	800	21.00	21.00	21.00			
100	QPSK	270	816	21.00	21.00	21.00			
100	QPSK	270	832	21.00	21.00	21.00			
100	QPSK	270	848	21.00	21.00	21.00			
100	QPSK	270	864	21.00	21.00	21.00			
100	QPSK	270	880	21.00	21.00	21.00			
100	QPSK	270	896	21.00	21.00	21.00			
100	QPSK	270	912	21.00	21.00	21.00			
100	QPSK	270	928	21.00	21.00	21.00			
100	QPSK	270	944	21.00	21.00	21.00			
100	QPSK	270	960	21.00	21.00	21.00			
100	QPSK	270	976	21.00	21.00	21.00			
100	QPSK	270	992	21.00	21.00	21.00			
100	QPSK	270	1008	21.00	21.00	21.00			
100	QPSK	270	1024	21.00	21.00	21.00			
100	QPSK	270	1040	21.00	21.00	21.00			
100	QPSK	270	1056	21.00	21.00	21.00			
100	QPSK	270	1072	21.00	21.00	21.00			
100	QPSK	270	1088	21.00	21.00	21.00			
100	QPSK	270	1104	21.00	21.00	21.00			
100	QPSK	270	1120	21.00	21.00	21.00			
100	QPSK	270	1136	21.00	21.00	21.00			
100	QPSK	270	1152	21.00	21.00	21.00			
100	QPSK	270	1168	21.00	21.00	21.00			
100	QPSK	270	1184	21.00	21.00	21.00			
100	QPSK	270	1200	21.00	21.00	21.00			
100	QPSK	270	1216	21.00	21.00	21.00			
100	QPSK	270	1232	21.00	21.00	21.00			
100	QPSK	270	1248	21.00	21.00	21.00			
100	QPSK	270	1264	21.00	21.00	21.00			
100	QPSK	270	1280	21.00	21.00	21.00			
100	QPSK	270	1296	21.00	21.00	21.00			
100	QPSK	270	1312	21.00	21.00	21.00			
100	QPSK	270	1328	21.00	21.00	21.00			
100	QPSK	270	1344	21.00	21.00	21.00			
100	QPSK	270	1360	21.00	21.00	21.00			
100	QPSK	270	1376	21.00	21.00	21.00			
100	QPSK	270	1392	21.00	21.00	21.00			
100	QPSK	270	1408	21.00	21.00	21.00			
100	QPSK	270	1424	21.00	21.00	21.00			
100	QPSK	270	1440	21.00	21.00	21.00			
100	QPSK	270	1456	21.00	21.00	21.00			
100	QPSK	270	1472	21.00	21.00	21.00			
100	QPSK	270	1488	21.00	21.00	21.00			
100	QPSK	270	1504	21.00	21.00	21.00			
100	QPSK	270	1520	21.00	21.00	21.00			
100	QPSK	270	1536	21.00	21.00	21.00			
100	QPSK	270	1552	21.00	21.00	21.00			
100	QPSK	270	1568	21.00	21.00	21.00			
100	QPSK	270	1584	21.00	21.00	21.00			
100	QPSK	270	1600	21.00	21.00	21.00			
100	QPSK	270	1616	21.00	21.00	21.00			
100	QPSK	270	1632	21.00	21.00	21.00			
100	QPSK	270	1648	21.00	21.00	21.00			
100	QPSK	270	1664	21.00	21.00	21.00			
100	QPSK	270	1680	21.00	21.00	21.00			
100	QPSK	270	1696	21.00	21.00	21.00			
100	QPSK	270	1712	21.00	21.00	21.00			
100	QPSK	270	1728	21.00	21.00	21.00			
100	QPSK	270	1744	21.00	21.00	21.00			
100	QPSK	270	1760	21.00	21.00	21.00			
100	QPSK	270	1776	21.00	21.00	21.00			
100	QPSK	270	1792	21.00	21.00	21.00			
100	QPSK	270	1808	21.00	21.00	21.00			
100	QPSK	270	1824	21.00	21.00	21.00			
100	QPSK	270	1840	21.00	21.00	21.00			
100	QPSK	270	1856	21.00	21.00	21.00			
100	QPSK	270	1872	21.00	21.00	21.00			
100	QPSK	270	1888	21.00	21.00	21.00			
100	QPSK	270	1904	21.00	21.00	21.00			
100	QPSK	270	1920	21.00	21.00	21.00			
100	QPSK	270	1936	21.00	21.00	21.00			
100	QPSK	270	1952	21.00</					



Part27Q_n77_Ant 8									
SW (MHz)	Modulation	RF Size	RF Chant	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Up Ch./F.Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.15					
100	QPSK	1	1A7	22.17	22.17	22.17	23.5	0.0	
100	QPSK	1	2P1	22.17					
100	QPSK	1A6	0	22.20					
100	QPSK	1A6	1A	22.20			23.4	0.0	
100	QPSK	1A6	1B	22.20					
100	QPSK	1A6	1C	22.20					
100	QPSK	270	0	22.20			22.5	1.0	
100	QPSK	270	1	22.20			22.5	1.0	
100	SSB4M	1	1	22.22	22.22	22.22	23.0	2.5	
100	SSB4M	1	1	22.22			19.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.15	22.14	22.17	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.15	22.14	22.17	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.17	22.16	22.18	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.15	22.14	22.17	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.15	22.02	22.12	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.14	22.03	22.14	22.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
SW (MHz)	Modulation	RF Size	RF Chant	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Up Ch./F.Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.20					
100	QPSK	1	1A7	22.17	22.17	22.17	23.0	0.0	
100	QPSK	1	2P1	22.17					
100	QPSK	1A6	0	22.20					
100	QPSK	1A6	1A	22.20			23.0	0.0	
100	QPSK	1A6	1B	22.20					
100	QPSK	1A6	1C	22.20					
100	QPSK	270	0	22.20			24.0	1.0	
100	QPSK	270	1	22.20			24.0	1.0	
100	SSB4M	1	1	22.22	22.22	22.22	23.0	2.5	
100	SSB4M	1	1	22.22			19.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.02	22.01	22.04	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.02	22.01	22.04	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.04	22.03	22.05	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.02	22.01	22.04	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.02	22.01	22.04	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.01	22.00	22.03	22.0	0.0	

Part27O_n77_Ant 8									
SW (MHz)	Modulation	RF Size	RF Chant	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Up Ch./F.Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.15	22.15	22.15			
100	QPSK	1	1A7	22.12	22.12	22.12	23.5	0.0	
100	QPSK	1	2P1	22.12					
100	QPSK	1A6	0	22.13	22.21	22.12			
100	QPSK	1A6	1A	22.13			23.4	0.0	
100	QPSK	1A6	1B	22.13					
100	QPSK	1A6	1C	22.13					
100	QPSK	270	0	22.13	22.17	22.15	22.5	1.0	
100	QPSK	270	1	22.13			22.5	1.0	
100	SSB4M	1	1	22.21	22.21	22.21	23.0	2.5	
100	SSB4M	1	1	22.21			19.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.17	22.21	22.20	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.17	22.21	22.20	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.15	22.14	22.17	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.17	22.20	22.20	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.17	22.20	22.20	22.5	0.0	

Part27O_n77(HPUE)_Ant 8									
SW (MHz)	Modulation	RF Size	RF Chant	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Up Ch./F.Freq.	Time-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.15	22.15	22.15			
100	QPSK	1	1A7	24.13	24.21	24.24	25.0	0.0	
100	QPSK	1	2P1	24.13					
100	QPSK	1A6	0	22.20	22.24	22.21			
100	QPSK	1A6	1A	22.20			23.0	0.0	
100	QPSK	1A6	1B	22.20					
100	QPSK	1A6	1C	22.20					
100	QPSK	270	0	22.20	22.24	22.21	24.0	1.0	
100	QPSK	270	1	22.20			24.0	1.0	
100	SSB4M	1	1	22.21	22.21	22.21	23.0	2.5	
100	SSB4M	1	1	22.21			19.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.20	24.24	24.24	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.20	24.24	24.24	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.22	24.27	24.27	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.21	24.24	24.24	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.21	24.24	24.24	24.0	0.0	



DSI 9 Power

n2_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq. (MHz)	Power Middle Ch. F/Freq. (MHz)	Power High Ch. F/Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.90	19.00	19.00		
20	QPSK	1	53	20.45	20.50	20.37	21.5	0.0
20	QPSK	1	104	20.41	20.50	20.49		
20	QPSK	5	5	20.44	20.47	20.43	21.5	0.0
20	QPSK	50	28	20.40	20.52	20.41	21.5	0.0
20	QPSK	50	78	20.46	20.48	20.42	21.5	0.0
20	QPSK	100	0	20.41	20.50	20.38	21.5	0.0
20	TRMAM	1	1	20.41	20.50	20.49	21.5	0.0
20	TRMAM	1	1	20.46	20.48	20.38	21.5	0.0
20	256QAM	1	1	18.90	19.00	19.00	20.0	1.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.42	20.51	20.38	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.00	19.00	19.00		
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.42	20.46	20.37	21.5	0.0

n2_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq. (MHz)	Power Middle Ch. F/Freq. (MHz)	Power High Ch. F/Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.90	19.00	19.00		
20	QPSK	1	53	18.83	18.92	18.81	18.0	0.0
20	QPSK	1	104	18.84	18.91	18.88		
20	QPSK	5	5	18.80	18.90	18.88	18.0	0.0
20	QPSK	50	28	18.80	18.94	18.80	18.0	0.0
20	QPSK	50	78	18.81	18.89	18.80	18.0	0.0
20	QPSK	100	0	18.80	18.90	18.81	18.0	0.0
20	TRMAM	1	1	18.80	18.88	18.80	18.0	0.0
20	TRMAM	1	1	18.80	18.87	18.80	18.0	0.0
20	256QAM	1	1	18.90	19.00	19.00	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.80	18.84	18.87	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.87	18.90	18.80	18.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.80	18.84	18.81	18.0	0.0

n5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq. (MHz)	Power Middle Ch. F/Freq. (MHz)	Power High Ch. F/Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.20	22.50	22.50		
20	QPSK	1	53	22.40	22.49	22.38	24.5	0.0
20	QPSK	1	104	22.37	22.51	22.45		
20	QPSK	5	5	22.30	22.35	22.28	23.5	1.0
20	QPSK	50	28	22.11	22.25	22.08	24.5	0.0
20	QPSK	50	78	22.00	22.12	21.88	23.5	1.0
20	QPSK	100	0	22.00	22.12	22.02	23.5	1.0
20	TRMAM	1	1	21.85	21.94	21.84	23.5	1.0
20	TRMAM	1	1	20.72	20.80	20.65	23.0	2.5
20	256QAM	1	1	18.70	18.80	18.70	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.21	22.36	22.20	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.20	22.50	22.50		
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.30	22.34	22.28	24.5	0.0

n5_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq. (MHz)	Power Middle Ch. F/Freq. (MHz)	Power High Ch. F/Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.10	19.20	19.20		
20	QPSK	1	53	19.27	19.39	19.18	20.5	0.0
20	QPSK	1	104	19.24	19.37	19.14		
20	QPSK	5	5	19.20	19.25	19.17	20.5	0.0
20	QPSK	50	28	19.20	19.32	19.20	20.5	0.0
20	QPSK	50	78	19.16	19.26	19.20	20.5	0.0
20	QPSK	100	0	19.20	19.30	19.22	20.5	0.0
20	TRMAM	1	1	19.20	19.22	19.20	20.5	0.0
20	TRMAM	1	1	19.14	19.20	19.21	20.5	0.0
20	256QAM	1	1	19.10	19.24	19.24	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.22	19.31	19.22	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.10	19.17	19.20	20.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.10	19.20	19.12	20.5	0.0



n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.16	20.24	20.32		
20	QPSK	1	53	20.16	20.28	20.24	21.0	0.0
20	QPSK	1	104	20.24	20.25	20.22		
20	QPSK	5	5	20.16	20.20	20.11	21.0	0.0
20	QPSK	50	28	20.25	20.25	20.21	21.0	0.0
20	QPSK	50	56	20.25	20.19	20.18		
20	QPSK	100	0	20.25	20.13	20.15	21.0	0.0
20	16QAM	1	1	20.25	20.20	20.20	21.0	0.0
20	16QAM	1	1	20.25	20.20	20.24	21.0	0.0
20	256QAM	1	1	19.21	19.24	19.22	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.16	20.24	20.17	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.22	20.23	20.14	21.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.18	20.22	20.19	21.0	0.0

n7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.24	18.28	18.30		
20	QPSK	1	53	18.24	18.28	18.30	17.5	0.0
20	QPSK	1	104	18.20	18.09	18.03		
20	QPSK	5	5	18.24	18.22	18.27	17.5	0.0
20	QPSK	50	28	18.21	18.22	18.20	17.5	0.0
20	QPSK	50	56	18.21	18.00	18.00		
20	QPSK	100	0	18.21	18.12	18.17	17.5	0.0
20	16QAM	1	1	18.24	18.20	18.24	17.5	0.0
20	16QAM	1	1	18.27	18.27	18.25	17.5	0.0
20	256QAM	1	1	18.20	18.24	18.27	17.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.24	18.08	18.20	17.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.24	18.08	18.01	17.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.24	18.22	18.21	17.5	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.24	14.28	14.30		
20	QPSK	1	53	14.24	14.28	14.27	18.0	0.0
20	QPSK	1	104	14.20	14.01	14.00		
20	QPSK	5	5	14.20	14.00	14.07	18.0	0.0
20	QPSK	50	28	14.20	14.00	14.00	18.0	0.0
20	QPSK	50	56	14.20	14.00	14.00		
20	QPSK	100	0	14.20	14.00	14.00	18.0	0.0
20	16QAM	1	1	14.20	14.00	14.07	18.0	0.0
20	16QAM	1	1	14.20	14.00	14.20	18.0	0.0
20	256QAM	1	1	14.20	14.00	14.00	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.24	14.22	14.41	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.20	14.00	14.00	18.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	14.20	14.20	14.40	18.0	0.0

n7_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.24	13.28	13.30		
20	QPSK	1	53	13.24	13.27	13.32	15.0	0.0
20	QPSK	1	104	13.20	13.24	13.43		
20	QPSK	5	5	13.24	13.23	13.32	15.0	0.0
20	QPSK	50	28	13.25	13.25	13.20	15.0	0.0
20	QPSK	50	56	13.25	13.04	13.03		
20	QPSK	100	0	13.25	13.03	13.00	15.0	0.0
20	16QAM	1	1	13.24	13.24	13.44	15.0	0.0
20	16QAM	1	1	13.26	13.20	13.33	15.0	0.0
20	256QAM	1	1	13.20	13.20	13.37	15.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.24	13.20	13.43	15.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.26	13.24	13.24	15.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	13.24	13.23	13.33	15.0	0.0



n12_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power			Timegap (ms)	MPE (dB)
				Low	Mid	High		
Channel				Ch. F/Freq.	Ch. F/Freq.	Ch. F/Freq.		
Channel				143500	143500	143500		
Frequency (MHz)				707.5	707.5	707.5		
15	QPSK	1	1	23.25	23.25	23.25	24.5	0.0
15	QPSK	1	40	23.25	23.41	23.24	24.5	0.0
15	QPSK	1	77	23.25	23.48	23.30	24.5	0.0
15	QPSK	36	5	22.56	22.56	22.56	23.5	1.0
15	QPSK	36	22	21.15	21.28	21.07	24.5	0.0
15	QPSK	36	43	21.25	21.31	21.14	24.5	1.0
15	QPSK	75	5	22.52	22.52	22.52	23.5	1.0
15	QPSK	75	11	22.13	22.25	22.11	23.5	1.0
15	HS-DSSS	1	1	21.58	21.58	21.58	22.0	2.5
15	HS-DSSS	1	1	18.52	18.77	18.59	20.0	2.5
Channel				143500	143500	143500		
Frequency (MHz)				704	707.5	711		
15	QPSK	1	1	23.25	23.25	23.25	24.5	0.0
Channel				143500	143500	143500		
Frequency (MHz)				707.5	707.5	707.5		
5	QPSK	1	1	23.25	23.42	23.29	24.5	0.0

n12_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power			Timegap (ms)	MPE (dB)
				Low	Mid	High		
Channel				Ch. F/Freq.	Ch. F/Freq.	Ch. F/Freq.		
Channel				143500	143500	143500		
Frequency (MHz)				707.5	707.5	707.5		
15	QPSK	1	1	21.25	21.25	21.25	22.0	0.0
15	QPSK	1	40	21.15	21.25	21.10	22.0	0.0
15	QPSK	1	77	21.15	21.23	21.04	22.0	0.0
15	QPSK	36	5	21.50	21.51	21.54	22.0	0.0
15	QPSK	36	22	21.15	21.18	21.11	22.0	0.0
15	QPSK	36	43	21.24	21.31	21.10	22.0	0.0
15	QPSK	75	5	21.53	21.58	21.57	22.0	0.0
15	HS-DSSS	1	1	21.55	21.53	21.51	22.0	0.0
15	HS-DSSS	1	1	21.55	21.51	21.58	22.0	0.0
15	HS-DSSS	1	1	18.50	18.21	18.20	20.0	2.0
Channel				143500	143500	143500		
Frequency (MHz)				704	707.5	711		
15	QPSK	1	1	21.14	21.27	21.13	22.0	0.0
Channel				143500	143500	143500		
Frequency (MHz)				707.5	707.5	707.5		
5	QPSK	1	1	21.25	21.51	21.46	22.0	0.0

n25_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Timegap (ms)	MPE (dB)
				Low	Mid	High		
Channel				Ch. F/Freq.	Ch. F/Freq.	Ch. F/Freq.		
Channel				1860	1863.5	1865		
Frequency (MHz)				1860	1863.5	1865		
30	QPSK	1	1	20.52	20.58	20.58	21.5	0.0
30	QPSK	1	53	20.52	20.58	20.49	21.5	0.0
30	QPSK	1	104	20.54	20.59	20.51	21.5	0.0
30	QPSK	36	5	20.59	20.53	20.41	21.5	0.0
30	QPSK	36	28	20.51	20.57	20.50	21.5	0.0
30	QPSK	36	56	20.43	20.49	20.43	21.5	0.0
30	QPSK	75	5	20.49	20.52	20.43	21.5	0.0
30	HS-DSSS	1	1	20.52	20.59	20.51	21.5	0.0
30	HS-DSSS	1	1	20.50	20.57	20.49	21.5	0.0
30	HS-DSSS	1	1	18.51	18.04	18.04	20.0	1.5
Channel				1860	1863.5	1865		
Frequency (MHz)				1857.5	1863.5	1867.5		
15	QPSK	1	1	20.50	20.58	20.49	21.5	0.0
Channel				1860	1863.5	1865		
Frequency (MHz)				1860	1863.5	1865		
10	QPSK	1	1	20.47	20.59	20.42	21.5	0.0
Channel				1860	1863.5	1865		
Frequency (MHz)				1857.5	1863.5	1867.5		
5	QPSK	1	1	20.55	20.52	20.51	21.5	0.0

n25_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Timegap (ms)	MPE (dB)
				Low	Mid	High		
Channel				Ch. F/Freq.	Ch. F/Freq.	Ch. F/Freq.		
Channel				1860	1863.5	1865		
Frequency (MHz)				1860	1863.5	1865		
30	QPSK	1	1	18.58	18.58	18.58	18.0	0.0
30	QPSK	1	53	18.68	17.00	18.40	18.0	0.0
30	QPSK	1	104	18.70	18.88	18.58	18.0	0.0
30	QPSK	36	5	18.54	18.82	18.58	18.0	0.0
30	QPSK	36	28	18.50	18.85	18.51	18.0	0.0
30	QPSK	36	56	18.42	18.89	18.42	18.0	0.0
30	QPSK	75	5	18.57	18.77	18.69	18.0	0.0
30	HS-DSSS	1	1	18.63	18.77	18.75	18.0	0.0
30	HS-DSSS	1	1	18.58	18.77	18.69	18.0	0.0
30	HS-DSSS	1	1	16.52	16.81	16.70	18.0	0.0
Channel				1860	1863.5	1865		
Frequency (MHz)				1857.5	1863.5	1867.5		
15	QPSK	1	1	18.60	17.64	18.50	18.0	0.0
Channel				1860	1863.5	1865		
Frequency (MHz)				1860	1863.5	1865		
10	QPSK	1	1	18.56	18.96	18.29	18.0	0.0
Channel				1860	1863.5	1865		
Frequency (MHz)				1857.5	1863.5	1867.5		
5	QPSK	1	1	18.45	18.94	18.44	18.0	0.0



n30_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.00				
10	QPSK	1	26	21.15				
10	QPSK	1	50	21.30			23.0	0.0
10	QPSK	5	5	21.74			23.0	0.0
10	QPSK	14	14	21.75			23.0	0.0
10	QPSK	20	20	21.81			23.0	0.0
10	QPSK	50	0	21.93			23.0	0.0
10	16QAM	1	1	21.97			23.0	0.0
10	16QAM	1	1	20.75			22.0	0.0
10	16QAM	1	1	18.72			20.0	0.0

n30_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.72				
10	QPSK	1	26	18.98			20.5	0.0
10	QPSK	1	50	18.00			20.5	0.0
10	QPSK	5	5	18.88			20.5	0.0
10	QPSK	14	14	18.72			20.5	0.0
10	QPSK	20	20	18.86			20.5	0.0
10	16QAM	1	1	18.86			20.5	0.0
10	16QAM	1	1	18.00			20.5	0.0
10	16QAM	1	1	18.28			20.0	0.5

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.00	22.00	22.00		
30	QPSK	1	80	22.05	22.28	22.21	23.5	0.0
30	QPSK	1	158	21.99	22.13	22.09	23.5	0.0
30	QPSK	80	5	21.90	22.20	21.91	23.5	0.0
30	QPSK	80	40	21.90	22.38	21.90	23.5	0.0
30	QPSK	80	80	21.88	22.56	21.88	23.5	0.0
30	QPSK	160	0	22.12	22.21	22.17	23.5	0.0
30	16QAM	1	1	22.19	22.38	22.34	23.5	0.0
30	16QAM	1	1	21.00	21.37	21.13	22.0	1.5
30	16QAM	1	1	18.10	18.58	18.20	20.0	3.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.06	22.21	22.14	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.00	24.00	24.00		
10	QPSK	1	1	11.72.5	11.745	11.72.5		
10	QPSK	1	1	21.28	21.29	21.28	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	34.000	34.000	34.000		
10	QPSK	1	1	11.74	11.74	11.74		
10	QPSK	1	1	22.02	22.28	22.15	23.5	0.0
Channel								
Frequency (MHz)								
3	QPSK	1	1	34.000	34.000	34.000		
3	QPSK	1	1	21.05	22.20	22.20	23.5	0.0

n66_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.10	17.20	17.10		
30	QPSK	1	80	17.08	17.13	17.05	18.0	0.0
30	QPSK	1	158	17.12	17.18	17.06	18.0	0.0
30	QPSK	80	5	16.84	16.93	16.81	18.0	0.0
30	QPSK	80	40	16.79	16.95	16.79	18.0	0.0
30	QPSK	80	80	16.81	16.98	16.81	18.0	0.0
30	QPSK	160	0	16.80	16.95	16.82	18.0	0.0
30	16QAM	1	1	16.99	17.18	16.97	18.0	0.0
30	16QAM	1	1	16.98	17.08	16.92	18.0	0.0
30	16QAM	1	1	17.02	17.13	16.92	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.90	19.00	18.94	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	34.000	34.000	34.000		
10	QPSK	1	1	11.74	11.74	11.74		
10	QPSK	1	1	11.00	11.00	11.00	18.0	0.0
10	QPSK	1	1	11.74	11.74	11.74	18.0	0.0
10	QPSK	1	1	11.04	11.04	11.04	18.0	0.0
Channel								
Frequency (MHz)								
3	QPSK	1	1	16.98	17.13	16.84	18.0	0.0



n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power Max Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.20	17.65	17.65		
30	QPSK	1	80	15.50	15.71	15.78	16.5	0.0
30	QPSK	1	158	15.53	15.84	15.82		
30	QPSK	80	5	15.58	15.82	15.82	16.5	0.0
30	QPSK	80	40	15.50	15.70	15.72	16.5	0.0
30	QPSK	80	80	15.50	15.81	15.87	16.5	0.0
30	QPSK	160	0	15.50	15.58	15.53	16.5	0.0
30	16QAM	1	1	15.48	15.88	15.53	16.5	0.0
30	16QAM	1	1	15.50	15.84	15.52	16.5	0.0
30	256QAM	1	1	15.50	15.82	15.52	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.28	17.65	17.70		
20	QPSK	1	1	15.50	15.50	15.53	16.5	0.0
20	QPSK	1	1	15.50	15.50	15.50		
Channel								
Frequency (MHz)								
18	QPSK	1	1	17.72	17.65	17.72		
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.50	15.58	15.51	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.50	15.58	15.51	16.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	15.51	15.82	15.50	16.5	0.0

n66_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power Max Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.20	17.65	17.65		
30	QPSK	1	1	15.50	15.50	15.50		
30	QPSK	1	80	15.52	15.16	15.08	19.0	0.0
30	QPSK	1	158	15.50	15.11	15.13		
30	QPSK	80	5	15.11	15.15	15.15	19.0	0.0
30	QPSK	80	40	15.10	15.18	15.14	19.0	0.0
30	QPSK	80	80	15.10	15.16	15.15	19.0	0.0
30	16QAM	1	1	15.07	15.11	15.11	19.0	0.0
30	16QAM	1	1	15.00	15.15	15.08	19.0	0.0
30	256QAM	1	1	15.00	15.12	15.08	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.28	17.65	17.70		
20	QPSK	1	1	15.00	15.10	15.00	19.0	0.0
20	QPSK	1	1	15.00	15.00	15.00		
Channel								
Frequency (MHz)								
18	QPSK	1	1	17.72	17.65	17.72		
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.50	15.52	15.54	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.50	15.51	15.51	19.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	15.51	15.16	15.14	19.0	0.0

n71_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power Max Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.20	17.65	17.65		
30	QPSK	1	1	15.50	15.50	15.50		
30	QPSK	1	53	23.21	23.25	23.22	24.5	0.0
30	QPSK	1	104	23.22	23.32	23.28		
30	QPSK	50	5	22.23	22.28	22.20	23.5	1.0
30	QPSK	50	28	22.21	22.28	22.21	24.5	0.0
30	QPSK	100	0	22.20	22.21	22.21	23.5	1.0
30	16QAM	1	1	22.10	22.18	22.12	23.5	1.0
30	16QAM	1	1	22.12	22.02	22.12	23.0	2.5
30	256QAM	1	1	19.50	19.15	19.50	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.80	22.27	22.10	24.5	0.0
15	QPSK	1	1	15.50	15.50	15.50		
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.60	17.65	17.65		
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.92	22.93	22.98	24.5	0.0

n71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power Max Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Time-up Int. (min)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.20	17.65	17.65		
30	QPSK	1	1	15.50	15.50	15.50		
30	QPSK	1	53	20.16	20.47	20.14	21.5	0.0
30	QPSK	1	104	20.16	20.47	20.22		
30	QPSK	50	5	20.22	20.28	20.24	21.5	0.0
30	QPSK	50	28	20.21	20.22	20.20	21.5	0.0
30	QPSK	100	0	20.20	20.20	20.15	21.5	0.0
30	16QAM	1	1	20.10	20.37	20.14	21.5	0.0
30	16QAM	1	1	20.18	20.28	20.20	21.5	0.0
30	256QAM	1	1	18.72	18.84	18.80	20.0	1.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.16	20.47	20.20	21.5	0.0
15	QPSK	1	1	15.50	15.50	15.50		
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.16	20.46	20.20	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.18	20.44	20.19	21.5	0.0



n38_Ant 2									
SV (MHz)	Multiplex	RB Size	RB Offset	Power Ch. 1 (W)	Power Ch. 2 (W)	Power Ch. 3 (W)	Time-up time (min)	MFR (Hz)	
Channel									
Frequency (MHz)									
40	CPSC	1	1	10.00	10.00	10.00			
40	CPSC	1	33	10.75	10.80	10.85	21.0	0.0	
40	CPSC	1	66	11.50	11.55	11.60			
40	CPSC	30	0	10.00	10.20	10.40			
40	CPSC	30	24	10.75	10.80	10.85	21.0	0.0	
40	CPSC	30	48	11.50	11.55	11.60			
40	CPSC	100	0	10.00	10.20	10.40	21.0	0.0	
40	CPSC	100	24	10.75	10.80	10.85	21.0	0.0	
40	CPSC	100	48	11.50	11.55	11.60			
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
30	CPSC	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
20	CPSC	1	1	10.00	10.00	10.00			

n38_Ant 3									
SV (MHz)	Multiplex	RB Size	RB Offset	Power Ch. 1 (W)	Power Ch. 2 (W)	Power Ch. 3 (W)	Time-up time (min)	MFR (Hz)	
Channel									
Frequency (MHz)									
40	CPSC	1	1	10.00	10.00	10.00			
40	CPSC	1	33	10.75	10.80	10.85	17.5	0.0	
40	CPSC	1	66	11.50	11.55	11.60			
40	CPSC	30	0	10.00	10.40	10.80			
40	CPSC	30	24	10.75	10.80	10.85	17.5	0.0	
40	CPSC	30	48	11.50	11.55	11.60			
40	CPSC	100	0	10.00	10.40	10.80	17.5	0.0	
40	CPSC	100	24	10.75	10.80	10.85	17.5	0.0	
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
30	CPSC	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
20	CPSC	1	1	10.00	10.00	10.00			

n38_Ant 4									
SV (MHz)	Multiplex	RB Size	RB Offset	Power Ch. 1 (W)	Power Ch. 2 (W)	Power Ch. 3 (W)	Time-up time (min)	MFR (Hz)	
Channel									
Frequency (MHz)									
40	CPSC	1	1	10.00	10.00	10.00			
40	CPSC	1	33	10.75	10.80	10.85	16.5	0.0	
40	CPSC	1	66	11.50	11.55	11.60			
40	CPSC	30	0	10.00	10.20	10.40			
40	CPSC	30	24	10.75	10.80	10.85	16.5	0.0	
40	CPSC	30	48	11.50	11.55	11.60			
40	CPSC	100	0	10.00	10.20	10.40	16.5	0.0	
40	CPSC	100	24	10.75	10.80	10.85	16.5	0.0	
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
30	CPSC	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
20	CPSC	1	1	10.00	10.00	10.00			

n38_Ant 8									
SV (MHz)	Multiplex	RB Size	RB Offset	Power Ch. 1 (W)	Power Ch. 2 (W)	Power Ch. 3 (W)	Time-up time (min)	MFR (Hz)	
Channel									
Frequency (MHz)									
40	CPSC	1	1	10.00	10.00	10.00			
40	CPSC	1	33	10.75	10.80	10.85	16.0	0.0	
40	CPSC	1	66	11.50	11.55	11.60			
40	CPSC	30	0	10.00	10.40	10.80			
40	CPSC	30	24	10.75	10.80	10.85	16.0	0.0	
40	CPSC	30	48	11.50	11.55	11.60			
40	CPSC	100	0	10.00	10.40	10.80	16.0	0.0	
40	CPSC	100	24	10.75	10.80	10.85	16.0	0.0	
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
40	SI-DMA	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
30	CPSC	1	1	10.00	10.00	10.00			
Channel									
Frequency (MHz)									
20	CPSC	1	1	10.00	10.00	10.00			



FCC_n41_Ant 2									
Site ID	Modem	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (min)	LFPI (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	18.75	18.75	18.75			
100	QPSK	1	1	18.87	18.87	18.87	21.0	0.0	
100	QPSK	1	1	19.00	19.00	19.00			
100	QPSK	1	1	19.12	19.12	19.12			
100	QPSK	1	1	19.25	19.25	19.25			
100	QPSK	1	1	19.37	19.37	19.37	21.0	0.0	
100	QPSK	1	1	19.50	19.50	19.50			
100	QPSK	1	1	19.62	19.62	19.62			
100	QPSK	1	1	19.75	19.75	19.75	21.0	0.0	
100	QPSK	1	1	19.87	19.87	19.87			
100	QPSK	1	1	20.00	20.00	20.00			
100	QPSK	1	1	20.12	20.12	20.12			
100	QPSK	1	1	20.25	20.25	20.25			
100	QPSK	1	1	20.37	20.37	20.37			
100	QPSK	1	1	20.50	20.50	20.50			
100	QPSK	1	1	20.62	20.62	20.62			
100	QPSK	1	1	20.75	20.75	20.75			
100	QPSK	1	1	20.87	20.87	20.87			
100	QPSK	1	1	21.00	21.00	21.00			
100	QPSK	1	1	21.12	21.12	21.12			
100	QPSK	1	1	21.25	21.25	21.25			
100	QPSK	1	1	21.37	21.37	21.37			
100	QPSK	1	1	21.50	21.50	21.50			
100	QPSK	1	1	21.62	21.62	21.62			
100	QPSK	1	1	21.75	21.75	21.75			
100	QPSK	1	1	21.87	21.87	21.87			
100	QPSK	1	1	22.00	22.00	22.00			
100	QPSK	1	1	22.12	22.12	22.12			
100	QPSK	1	1	22.25	22.25	22.25			
100	QPSK	1	1	22.37	22.37	22.37			
100	QPSK	1	1	22.50	22.50	22.50			
100	QPSK	1	1	22.62	22.62	22.62			
100	QPSK	1	1	22.75	22.75	22.75			
100	QPSK	1	1	22.87	22.87	22.87			
100	QPSK	1	1	23.00	23.00	23.00			
100	QPSK	1	1	23.12	23.12	23.12			
100	QPSK	1	1	23.25	23.25	23.25			
100	QPSK	1	1	23.37	23.37	23.37			
100	QPSK	1	1	23.50	23.50	23.50			
100	QPSK	1	1	23.62	23.62	23.62			
100	QPSK	1	1	23.75	23.75	23.75			
100	QPSK	1	1	23.87	23.87	23.87			
100	QPSK	1	1	24.00	24.00	24.00			
100	QPSK	1	1	24.12	24.12	24.12			
100	QPSK	1	1	24.25	24.25	24.25			
100	QPSK	1	1	24.37	24.37	24.37			
100	QPSK	1	1	24.50	24.50	24.50			
100	QPSK	1	1	24.62	24.62	24.62			
100	QPSK	1	1	24.75	24.75	24.75			
100	QPSK	1	1	24.87	24.87	24.87			
100	QPSK	1	1	25.00	25.00	25.00			
100	QPSK	1	1	25.12	25.12	25.12			
100	QPSK	1	1	25.25	25.25	25.25			
100	QPSK	1	1	25.37	25.37	25.37			
100	QPSK	1	1	25.50	25.50	25.50			
100	QPSK	1	1	25.62	25.62	25.62			
100	QPSK	1	1	25.75	25.75	25.75			
100	QPSK	1	1	25.87	25.87	25.87			
100	QPSK	1	1	26.00	26.00	26.00			
100	QPSK	1	1	26.12	26.12	26.12			
100	QPSK	1	1	26.25	26.25	26.25			
100	QPSK	1	1	26.37	26.37	26.37			
100	QPSK	1	1	26.50	26.50	26.50			
100	QPSK	1	1	26.62	26.62	26.62			
100	QPSK	1	1	26.75	26.75	26.75			
100	QPSK	1	1	26.87	26.87	26.87			
100	QPSK	1	1	27.00	27.00	27.00			
100	QPSK	1	1	27.12	27.12	27.12			
100	QPSK	1	1	27.25	27.25	27.25			
100	QPSK	1	1	27.37	27.37	27.37			
100	QPSK	1	1	27.50	27.50	27.50			
100	QPSK	1	1	27.62	27.62	27.62			
100	QPSK	1	1	27.75	27.75	27.75			
100	QPSK	1	1	27.87	27.87	27.87			
100	QPSK	1	1	28.00	28.00	28.00			
100	QPSK	1	1	28.12	28.12	28.12			
100	QPSK	1	1	28.25	28.25	28.25			
100	QPSK	1	1	28.37	28.37	28.37			
100	QPSK	1	1	28.50	28.50	28.50			
100	QPSK	1	1	28.62	28.62	28.62			
100	QPSK	1	1	28.75	28.75	28.75			
100	QPSK	1	1	28.87	28.87	28.87			
100	QPSK	1	1	29.00	29.00	29.00			
100	QPSK	1	1	29.12	29.12	29.12			
100	QPSK	1	1	29.25	29.25	29.25			
100	QPSK	1	1	29.37	29.37	29.37			
100	QPSK	1	1	29.50	29.50	29.50			
100	QPSK	1	1	29.62	29.62	29.62			
100	QPSK	1	1	29.75	29.75	29.75			
100	QPSK	1	1	29.87	29.87	29.87			
100	QPSK	1	1	30.00	30.00	30.00			

FCC_n41(HPUE)_Ant 2									
Site ID	Modem	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (min)	LFPI (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	18.75	18.75	18.75			
100	QPSK	1	1	18.87	18.87	18.87	21.0	0.0	
100	QPSK	1	1	19.00	19.00	19.00			
100	QPSK	1	1	19.12	19.12	19.12			
100	QPSK	1	1	19.25	19.25	19.25			
100	QPSK	1	1	19.37	19.37	19.37	21.0	0.0	
100	QPSK	1	1	19.50	19.50	19.50			
100	QPSK	1	1	19.62	19.62	19.62			
100	QPSK	1	1	19.75	19.75	19.75	21.0	0.0	
100	QPSK	1	1	19.87	19.87	19.87			
100	QPSK	1	1	20.00	20.00	20.00			
100	QPSK	1	1	20.12	20.12	20.12			
100	QPSK	1	1	20.25	20.25	20.25			
100	QPSK	1	1	20.37	20.37	20.37			
100	QPSK	1	1	20.50	20.50	20.50			
100	QPSK	1	1	20.62	20.62	20.62			
100	QPSK	1	1	20.75	20.75	20.75			
100	QPSK	1	1	20.87	20.87	20.87			
100	QPSK	1	1	21.00	21.00	21.00			
100	QPSK	1	1	21.12	21.12	21.12			
100	QPSK	1	1	21.25	21.25	21.25			
100	QPSK	1	1	21.37	21.37	21.37			
100	QPSK	1	1	21.50	21.50	21.50			
100	QPSK	1	1	21.62	21.62	21.62			
100	QPSK	1	1	21.75	21.75	21.75			
100	QPSK	1	1	21.87	21.87	21.87			
100	QPSK	1	1	22.00	22.00	22.00			
100	QPSK	1	1	22.12	22.12	22.12			
100	QPSK	1	1	22.25	22.25	22.25			
100	QPSK	1	1	22.37	22.37	22.37			
100	QPSK	1	1	22.50	22.50	22.50			
100	QPSK	1	1	22.62	22.62	22.62			
100	QPSK	1	1	22.75	22.75	22.75			
100	QPSK	1	1	22.87	22.87	22.87			
100	QPSK	1	1	23.00	23.00	23.00			
100	QPSK	1	1	23.12	23.12	23.12			
100	QPSK	1	1	23.25	23.25	23.25			
100	QPSK	1	1	23.37	23.37	23.37			
100	QPSK	1	1	23.50	23.50	23.50			
100	QPSK	1	1	23.62	23.62	23.62			
100	QPSK	1	1	23.75	23.75	23.75			
100	QPSK	1	1	23.87	23.87	23.87			
100	QPSK	1	1	24.00	24.00	24.00			
100	QPSK	1	1	24.12	24.12	24.12			
100	QPSK	1	1	24.25	24.25	24.25			
100	QPSK	1	1	24.					



Part27Q_n77_Ant 8									
RF Chan	Modulation	RF Size	RF Chan	Power Level Ch./F.Freq.	Power Margin Ch./F.Freq.	Power Frac. Ch./F.Freq.	Temp-adj-1m (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.75					
100	QPSK	1	137	15.86			17.0	0.0	
100	QPSK	1	271	15.74					
100	QPSK	130	2	15.81					
100	QPSK	130	18	15.86			17.4	4.0	
100	QPSK	130	136	15.86					
100	QPSK	270	0	15.80			17.0	0.0	
100	QPSK	270	9	15.72			17.0	0.0	
100	SSB4M	1	1	15.72			17.0	0.0	
100	SSB4M	1	1	15.72			17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.74	15.86	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.86	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.86	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.88	15.86	15.88	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.72	15.86	15.86	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.88	15.78	15.88	17.0	0.0	

Part27Q_n77(HPUE)_Ant 8									
RF Chan	Modulation	RF Size	RF Chan	Power Level Ch./F.Freq.	Power Margin Ch./F.Freq.	Power Frac. Ch./F.Freq.	Temp-adj-1m (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.75					
100	QPSK	1	137	15.86			17.0	0.0	
100	QPSK	1	271	15.74					
100	QPSK	130	2	15.81					
100	QPSK	130	18	15.86			17.0	0.0	
100	QPSK	130	136	15.86					
100	QPSK	270	0	15.80			17.0	0.0	
100	QPSK	270	9	15.72			17.0	0.0	
100	SSB4M	1	1	15.72			17.0	0.0	
100	SSB4M	1	1	15.72			17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.74	15.86	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.86	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.86	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.88	15.86	15.88	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.72	15.86	15.86	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.88	15.78	15.88	17.0	0.0	

Part27Q_n77_Ant 8									
RF Chan	Modulation	RF Size	RF Chan	Power Level Ch./F.Freq.	Power Margin Ch./F.Freq.	Power Frac. Ch./F.Freq.	Temp-adj-1m (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.75	15.81	15.75			
100	QPSK	1	137	15.11	15.17	15.08	17.0	0.0	
100	QPSK	1	271	15.74	15.72	15.72			
100	QPSK	130	2	15.82	15.82	15.82			
100	QPSK	130	18	15.86	15.82	15.82	17.0	4.0	
100	QPSK	130	136	15.86	15.82	15.82			
100	QPSK	270	0	15.82	15.82	15.82	17.0	0.0	
100	QPSK	270	9	15.72	15.72	15.72	17.0	0.0	
100	SSB4M	1	1	15.72	15.72	15.72	17.0	0.0	
100	SSB4M	1	1	15.72	15.72	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.74	15.80	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.80	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.80	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.88	15.82	15.82	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.72	15.86	15.86	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.88	15.80	15.82	17.0	0.0	

Part27O_n77(HPUE)_Ant 8									
RF Chan	Modulation	RF Size	RF Chan	Power Level Ch./F.Freq.	Power Margin Ch./F.Freq.	Power Frac. Ch./F.Freq.	Temp-adj-1m (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.15	15.23	15.15			
100	QPSK	1	137	15.11	15.17	15.08	17.0	0.0	
100	QPSK	1	271	15.74	15.72	15.72			
100	QPSK	130	2	15.82	15.82	15.82			
100	QPSK	130	18	15.86	15.82	15.82	17.0	4.0	
100	QPSK	130	136	15.86	15.82	15.82			
100	QPSK	270	0	15.82	15.82	15.82	17.0	0.0	
100	QPSK	270	9	15.72	15.72	15.72	17.0	0.0	
100	SSB4M	1	1	15.72	15.72	15.72	17.0	0.0	
100	SSB4M	1	1	15.72	15.72	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.74	15.80	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.80	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.74	15.80	15.72	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.88	15.82	15.82	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.72	15.86	15.86	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.88	15.80	15.82	17.0	0.0	



n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq. (MHz)	Power Middle (dBm)	High Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.17	20.23	20.29	21.0	0.0
20	QPSK	1	31	20.18	20.24	20.24	21.0	0.0
20	QPSK	1	104	20.24	20.25	20.27	21.0	0.0
20	QPSK	50	0	20.18	20.25	20.11	21.0	0.0
20	QPSK	50	28	20.21	20.21	20.21	21.0	0.0
20	QPSK	50	56	20.21	20.19	20.18	21.0	0.0
20	QPSK	100	0	20.25	20.25	20.18	21.0	0.0
20	16QAM	1	1	20.25	20.20	20.20	21.0	0.0
20	16QAM	1	1	20.26	20.20	20.24	21.0	0.0
20	16QAM	1	1	19.21	19.24	19.22	20.0	1.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.16	20.24	20.17	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.22	20.23	20.14	21.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.16	20.22	20.19	21.0	0.0

n7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq. (MHz)	Power Middle (dBm)	High Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.20	15.30	15.20	16.0	0.0
20	QPSK	1	31	15.22	15.20	15.18	16.0	0.0
20	QPSK	1	104	15.23	15.24	15.24	16.0	0.0
20	QPSK	50	0	15.21	15.15	15.13	16.0	0.0
20	QPSK	50	28	15.21	15.21	15.21	16.0	0.0
20	QPSK	50	56	15.14	15.16	15.14	16.0	0.0
20	QPSK	100	0	15.17	15.22	15.18	16.0	0.0
20	16QAM	1	1	15.17	15.22	15.18	16.0	0.0
20	16QAM	1	1	15.17	15.24	15.18	16.0	0.0
20	16QAM	1	1	15.22	15.22	15.14	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.18	15.24	15.21	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.23	15.24	15.13	16.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	15.18	15.27	15.16	16.0	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq. (MHz)	Power Middle (dBm)	High Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.20	13.20	13.27	13.0	0.0
20	QPSK	1	31	13.22	13.26	13.24	13.0	0.0
20	QPSK	1	104	13.23	13.21	13.21	13.0	0.0
20	QPSK	50	0	13.20	13.26	13.20	13.0	0.0
20	QPSK	50	28	13.21	13.23	13.21	13.0	0.0
20	QPSK	50	56	13.27	13.26	13.23	13.0	0.0
20	QPSK	100	0	13.24	13.24	13.21	13.0	0.0
20	16QAM	1	1	13.24	13.22	13.20	13.0	0.0
20	16QAM	1	1	13.25	13.29	13.24	13.0	0.0
20	16QAM	1	1	13.22	13.20	13.20	13.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.27	13.24	13.21	13.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.23	13.29	13.23	13.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	13.27	13.22	13.21	13.0	0.0

n7_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Low Ch. Freq. (MHz)	Power Middle (dBm)	High Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.24	11.20	11.23	11.0	0.0
20	QPSK	1	31	11.26	11.26	11.22	11.0	0.0
20	QPSK	1	104	11.23	11.25	11.25	11.0	0.0
20	QPSK	50	0	11.26	11.20	11.20	11.0	0.0
20	QPSK	50	28	11.21	11.25	11.20	11.0	0.0
20	QPSK	50	56	11.23	11.20	11.27	11.0	0.0
20	QPSK	100	0	11.26	11.26	11.22	11.0	0.0
20	16QAM	1	1	11.26	11.20	11.22	11.0	0.0
20	16QAM	1	1	11.40	11.20	11.26	11.0	0.0
20	16QAM	1	1	11.42	11.20	11.21	11.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	11.33	11.20	11.25	11.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.41	11.20	11.21	11.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	11.45	11.22	11.26	11.0	0.0



n12_Ant 0

BW (MHz)	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)								
15	QPSK	1	1	21.42	21.55	21.37	24.0	0.0
15	QPSK	1	40	21.28	21.41	21.24	24.0	0.0
15	QPSK	1	77	21.15	21.28	21.10	24.0	0.0
15	QPSK	36	0	21.34	21.45	21.28	21.5	0.0
15	QPSK	36	22	21.15	21.28	21.07	24.5	0.0
15	QPSK	36	43	21.22	21.31	21.14	23.5	1.0
15	QPSK	72	0	21.28	21.35	21.27	23.5	0.0
15	16QAM	1	1	21.15	21.25	21.17	23.5	1.0
15	16QAM	1	1	21.08	21.18	21.02	22.0	2.5
15	16QAM	1	1	18.62	18.77	18.50	20.5	4.5
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.35	21.39	21.23	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.20	21.42	21.19	24.0	0.0

n12_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.20	18.37	18.02	20.0	0.0
15	QPSK	1	40	18.07	18.20	17.86	20.0	0.0
15	QPSK	1	77	18.07	18.08	18.05	20.0	0.0
15	QPSK	36	0	18.02	18.04	18.00	20.0	0.0
15	QPSK	36	22	18.01	18.00	18.00	20.0	0.0
15	QPSK	36	43	18.02	18.00	18.00	20.0	0.0
15	QPSK	72	0	18.02	18.00	18.00	20.0	0.0
15	16QAM	1	1	18.00	18.09	18.00	20.0	0.0
15	16QAM	1	1	18.07	18.07	18.01	20.0	0.0
15	16QAM	1	1	18.00	18.08	18.00	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.07	18.07	18.01	20.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.00	18.00	18.04	20.0	0.0

n25_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.03	20.00	20.00	21.5	0.0
20	QPSK	1	31	20.02	20.00	20.00	21.5	0.0
20	QPSK	1	104	20.04	20.05	20.01	21.5	0.0
20	QPSK	50	0	20.49	20.53	20.41	21.5	0.0
20	QPSK	50	28	20.21	20.07	20.00	21.5	0.0
20	QPSK	50	56	20.43	20.49	20.49	21.5	0.0
20	QPSK	100	0	20.49	20.49	20.41	21.5	0.0
20	16QAM	1	1	20.07	20.05	20.01	21.5	0.0
20	16QAM	1	1	20.00	20.07	20.05	21.5	0.0
20	16QAM	1	1	19.01	19.04	19.04	20.0	1.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.00	20.06	20.48	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.47	20.05	20.42	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.05	20.02	20.01	21.5	0.0

n25_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.08	19.00	19.00	17.0	0.0
20	QPSK	1	31	19.01	19.00	19.00	17.0	0.0
20	QPSK	1	104	19.06	19.00	19.00	17.0	0.0
20	QPSK	50	0	19.03	19.06	19.00	17.0	0.0
20	QPSK	50	28	19.00	19.00	19.01	17.0	0.0
20	QPSK	50	56	19.03	19.06	19.01	17.0	0.0
20	QPSK	100	0	19.06	19.06	19.00	17.0	0.0
20	16QAM	1	1	19.07	19.05	19.01	17.0	0.0
20	16QAM	1	1	19.01	19.00	19.00	17.0	0.0
20	16QAM	1	1	19.00	19.02	19.00	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.06	19.06	19.00	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.07	19.00	19.00	17.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.04	19.06	19.00	17.0	0.0



n30_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.00			23.0	0.0
10	QPSK	1	36	21.74				
10	QPSK	1	60	21.72				
10	QPSK	25	0	21.74			23.0	0.0
10	QPSK	25	14	21.75			23.0	0.0
10	QPSK	25	27	21.71			23.0	0.0
10	QPSK	80	0	21.72			23.0	0.0
10	16QAM	1	1	21.77			23.0	0.0
10	16QAM	1	1	20.75			22.0	1.0
10	16QAM	1	1	19.73			20.0	0.0

n30_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.36			18.0	0.0
10	QPSK	1	26	17.22				
10	QPSK	1	50	17.28				
10	QPSK	25	0	17.22			18.5	0.0
10	QPSK	25	14	17.20			18.5	0.0
10	QPSK	25	27	17.28			18.5	0.0
10	QPSK	80	0	17.22			18.5	0.0
10	16QAM	1	1	17.24			18.5	0.0
10	16QAM	1	1	17.26			18.5	0.0
10	16QAM	1	1	17.28			18.5	0.0

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.07	22.20	22.23	23.0	0.0
30	QPSK	1	36	22.02	22.26	22.21		
30	QPSK	1	114	21.99	22.15	22.03		
30	QPSK	80	0	21.80	22.20	21.81	23.0	0.0
30	QPSK	80	40	21.98	22.20	21.94	23.0	0.0
30	QPSK	80	80	21.98	22.20	22.20	23.0	0.0
30	QPSK	80	0	22.21	22.21	22.21		
30	16QAM	1	1	22.19	22.38	22.34	23.0	0.0
30	16QAM	1	1	21.99	21.37	21.13	22.0	1.0
30	16QAM	1	1	19.18	19.38	19.25	20.0	1.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.06	22.21	22.14	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.98	22.25	22.23	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.02	22.28	22.15	23.0	0.0
Channel								
Frequency (MHz)								
8	QPSK	1	1	21.02	21.25	21.22	23.0	0.0

n66_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.03	15.05	15.03	17.0	0.0
30	QPSK	1	36	15.81	15.84	15.80		
30	QPSK	1	114	15.79	15.83	15.77		
30	QPSK	80	0	15.78	15.82	15.70	17.0	0.0
30	QPSK	80	40	15.80	15.82	15.71	17.0	0.0
30	QPSK	80	80	15.78	15.80	15.70	17.0	0.0
30	QPSK	80	0	15.77	15.80	15.79		
30	16QAM	1	1	15.76	15.77	15.65	17.0	0.0
30	16QAM	1	1	15.72	15.82	15.66	17.0	0.0
30	16QAM	1	1	15.78	15.82	15.78	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.76	15.81	15.74	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.81	15.78	15.70	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.75	15.82	15.70	17.0	0.0
Channel								
Frequency (MHz)								
8	QPSK	1	1	15.02	15.20	15.21	17.0	0.0



n38_Ant 2										
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Max. Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	APN	QoS	
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
40	QPSK	1	0	18.12	18.12	18.12				
40	QPSK	1	33	18.12	18.20	18.17	15.5	0.0		
40	QPSK	1	66	18.12	18.22	18.13				
40	QPSK	50	0	18.12	18.14	18.12				
40	QPSK	50	33	18.12	18.22	18.15	14.0	0.0		
40	QPSK	50	66	18.12	18.22	18.15				
40	QPSK	100	0	18.12	18.17	18.15				
40	QPSK	100	33	18.12	18.22	18.15				
40	QPSK	100	66	18.12	18.22	18.15				
40	SCDMA	1	1	18.18	18.21	18.17	15.5	0.0		
40	SCDMA	1	1	18.18	18.18	18.17	15.5	0.0		
40	SCDMA	1	1	18.18	18.18	18.17	15.5	0.0		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
30	QPSK	1	1	18.18	18.21	18.19	15.5	0.0		
Channel										
Frequency (MHz)				2490	2490	2490				
30	QPSK	1	0	18.12	18.18	18.11	15.5	0.0		

n38_Ant 3										
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Max. Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	APN	QoS	
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
40	QPSK	1	1	18.12	18.18	18.15				
40	QPSK	1	33	18.12	18.28	18.26	15.5	0.0		
40	QPSK	1	66	18.12	18.24	18.21				
40	QPSK	50	0	18.12	18.17	18.17				
40	QPSK	50	33	18.12	18.24	18.21	14.0	0.0		
40	QPSK	50	66	18.12	18.24	18.21				
40	QPSK	100	0	18.12	18.11	18.11				
40	QPSK	100	33	18.12	18.21	18.21	15.5	0.0		
40	QPSK	100	66	18.12	18.22	18.20	15.5	0.0		
40	SCDMA	1	1	18.21	18.26	18.26	15.5	0.0		
40	SCDMA	1	1	18.21	18.26	18.26	15.5	0.0		
40	SCDMA	1	1	18.21	18.26	18.26	15.5	0.0		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
30	QPSK	1	1	18.21	18.22	18.20	15.5	0.0		
Channel										
Frequency (MHz)				2490	2490	2490				
30	QPSK	1	1	18.21	18.21	18.21	15.5	0.0		

n38_Ant 4										
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Max. Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	APN	QoS	
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
40	QPSK	1	0	18.12	18.12	18.12				
40	QPSK	1	33	18.12	18.20	18.21	15.5	0.0		
40	QPSK	1	66	18.12	18.20	18.20				
40	QPSK	50	0	18.12	18.20	18.20				
40	QPSK	50	33	18.12	18.20	18.20	14.0	0.0		
40	QPSK	50	66	18.12	18.20	18.20				
40	QPSK	100	0	18.12	18.20	18.20	15.5	0.0		
40	QPSK	100	33	18.12	18.20	18.20	15.5	0.0		
40	SCDMA	1	1	18.20	18.20	18.20	15.5	0.0		
40	SCDMA	1	1	18.20	18.20	18.20	15.5	0.0		
40	SCDMA	1	1	18.20	18.20	18.20	15.5	0.0		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
30	QPSK	1	1	18.24	18.20	18.20	15.5	0.0		
Channel										
Frequency (MHz)				2490	2490	2490				
30	QPSK	1	0	18.12	18.20	18.20	15.5	0.0		

n38_Ant 8										
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Max. Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	APN	QoS	
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
40	QPSK	1	1	18.12	18.18	18.15				
40	QPSK	1	33	18.12	18.28	18.28	14.0	0.0		
40	QPSK	1	66	18.12	18.24	18.24				
40	QPSK	50	0	18.12	18.17	18.17				
40	QPSK	50	33	18.12	18.24	18.24	14.0	0.0		
40	QPSK	50	66	18.12	18.24	18.24				
40	QPSK	100	0	18.12	18.11	18.11				
40	QPSK	100	33	18.12	18.21	18.21	15.5	0.0		
40	QPSK	100	66	18.12	18.22	18.20	15.5	0.0		
40	SCDMA	1	1	18.20	18.20	18.20	15.5	0.0		
40	SCDMA	1	1	18.20	18.20	18.20	15.5	0.0		
40	SCDMA	1	1	18.20	18.20	18.20	15.5	0.0		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0				
30	QPSK	1	1	18.20	18.20	18.20	15.5	0.0		
Channel										
Frequency (MHz)				2490	2490	2490				
30	QPSK	1	0	18.12	18.20	18.20	15.5	0.0		



Part27Q_n77_Ant 8									
DR (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Mkcs Ch. F.Freq.	Power Pilot Ch. F.Freq.	Time-up Int (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.50					
100	QPSK	1	1	13.88			15.0	0.0	
100	QPSK	1	2	13.50					
100	QPSK	100	2	13.88					
100	QPSK	100	16	13.50			15.0	0.0	
100	QPSK	100	16	13.88					
100	QPSK	200	2	13.50			15.0	0.0	
100	QPSK	200	2	13.88					
100	SSB-AM	1	1	13.52			15.0	0.0	
100	SSB-AM	1	1	13.88					
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.07	13.05	13.02	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.07	13.05	13.02	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.05	13.08	13.01	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.05	13.02	13.00	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.02	13.00	13.01	15.0	0.0	

Part27Q_n77(HPUE)_Ant 8									
DR (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Mkcs Ch. F.Freq.	Power Pilot Ch. F.Freq.	Time-up Int (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.50					
100	QPSK	1	1	13.88			15.0	0.0	
100	QPSK	1	2	13.50					
100	QPSK	100	2	13.88					
100	QPSK	100	16	13.50			15.0	0.0	
100	QPSK	100	16	13.88					
100	QPSK	200	2	13.50			15.0	0.0	
100	QPSK	200	2	13.88					
100	SSB-AM	1	1	13.52			15.0	0.0	
100	SSB-AM	1	1	13.88					
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.07	13.05	13.02	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.07	13.05	13.02	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.05	13.08	13.01	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.05	13.02	13.00	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.02	13.00	13.01	15.0	0.0	

Part27O_n77_Ant 8									
DR (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Mkcs Ch. F.Freq.	Power Pilot Ch. F.Freq.	Time-up Int (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.50	13.51	13.52			
100	QPSK	1	1	13.75	13.81	13.70	15.0	0.0	
100	QPSK	1	2	13.50	13.52	13.50			
100	QPSK	100	2	13.75	13.71	13.75			
100	QPSK	100	16	13.50	13.52	13.50	15.0	0.0	
100	QPSK	100	16	13.75	13.72	13.70			
100	QPSK	200	2	13.50	13.52	13.50	15.0	0.0	
100	QPSK	200	2	13.75	13.72	13.70			
100	SSB-AM	1	1	13.74	13.82	13.70	15.0	0.0	
100	SSB-AM	1	1	13.72	13.80	13.68			
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.09	13.13	13.05	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.07	13.01	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.05	13.10	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.05	13.02	13.00	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.02	13.00	13.01	15.0	0.0	

Part27O_n77(HPUE)_Ant 8									
DR (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Mkcs Ch. F.Freq.	Power Pilot Ch. F.Freq.	Time-up Int (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.50	13.51	13.52			
100	QPSK	1	1	13.75	13.81	13.70	15.0	0.0	
100	QPSK	1	2	13.50	13.52	13.50			
100	QPSK	100	2	13.75	13.71	13.75			
100	QPSK	100	16	13.50	13.52	13.50	15.0	0.0	
100	QPSK	100	16	13.75	13.72	13.70			
100	QPSK	200	2	13.50	13.52	13.50	15.0	0.0	
100	QPSK	200	2	13.75	13.72	13.70			
100	SSB-AM	1	1	13.74	13.82	13.70	15.0	0.0	
100	SSB-AM	1	1	13.72	13.80	13.68			
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.09	13.13	13.05	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.07	13.01	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.05	13.10	13.04	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.05	13.02	13.00	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.02	13.00	13.01	15.0	0.0	



DSI 17 Power

n2_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
20	QPSK	1	1	20.55	20.55	20.55	20.55
20	QPSK	1	93	20.40	20.50	20.37	21.5
20	QPSK	1	104	20.49	20.50	20.49	21.5
20	QPSK	50	0	20.44	20.47	20.43	21.5
20	QPSK	50	28	20.44	20.50	20.43	21.5
20	QPSK	50	56	20.44	20.49	20.49	21.5
20	QPSK	100	0	20.47	20.50	20.38	21.5
20	16QAM	1	1	20.48	20.48	20.48	21.5
20	16QAM	1	1	20.48	20.48	20.38	21.5
20	256QAM	1	1	18.90	19.00	18.88	20.5
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	18.90	19.00	18.90	21.5
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	18.90	19.00	18.90	21.5
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
5	QPSK	1	1	20.42	20.46	20.37	21.5

n2_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
20	QPSK	1	1	21.02	21.02	21.02	21.02
20	QPSK	1	93	21.00	21.01	21.00	23.0
20	QPSK	1	104	21.00	21.00	21.00	23.0
20	QPSK	50	0	21.00	21.00	21.00	23.0
20	QPSK	50	28	21.01	21.00	21.00	23.0
20	QPSK	50	56	21.00	21.00	21.00	23.0
20	QPSK	100	0	21.00	21.00	21.00	23.0
20	16QAM	1	1	21.00	21.00	21.00	23.0
20	16QAM	1	1	20.94	20.96	20.92	22.0
20	256QAM	1	1	18.90	18.96	18.88	20.5
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	21.00	21.00	21.00	23.0
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	21.00	21.00	21.00	23.0
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
5	QPSK	1	1	21.00	21.00	21.00	23.0

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
20	QPSK	1	1	22.50	22.50	22.50	22.50
20	QPSK	1	93	22.40	22.49	22.38	24.5
20	QPSK	1	104	22.37	22.41	22.38	24.5
20	QPSK	50	0	22.30	22.30	22.28	23.5
20	QPSK	50	28	22.31	22.29	22.29	24.5
20	QPSK	50	56	22.30	22.33	22.30	24.5
20	QPSK	100	0	22.29	22.30	22.20	24.5
20	16QAM	1	1	21.00	21.04	21.00	23.5
20	16QAM	1	1	20.92	20.90	20.91	22.5
20	256QAM	1	1	18.90	18.88	18.77	20.0
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	22.50	22.50	22.50	24.5
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	22.50	22.50	22.50	24.5
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
5	QPSK	1	1	23.30	23.34	23.28	24.5

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
20	QPSK	1	1	21.02	21.02	21.02	21.02
20	QPSK	1	93	21.00	21.00	21.00	22.0
20	QPSK	1	104	21.00	21.00	21.00	22.0
20	QPSK	50	0	21.00	21.00	21.00	22.0
20	QPSK	50	28	21.00	21.00	21.00	22.0
20	QPSK	50	56	21.00	21.00	21.00	22.0
20	QPSK	100	0	21.00	21.00	21.00	22.0
20	16QAM	1	1	21.00	21.00	21.00	22.0
20	16QAM	1	1	21.00	21.00	20.99	22.0
20	256QAM	1	1	19.00	19.00	18.92	20.0
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	21.00	21.00	21.00	22.0
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
10	QPSK	1	1	21.00	21.00	21.00	22.0
Channel							
Frequency (MHz)				Low (dBm)	Mid (dBm)	High (dBm)	MPR (dB)
5	QPSK	1	1	21.07	21.06	21.02	22.0



n30_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Middle Ch./Frac.	Power High Ch./Frac.	Timegap (ms)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.00	21.75	21.50	23.0	0.0
10	QPSK	1	26	22.00	21.75	21.50	23.0	0.0
10	QPSK	1	50	22.00	21.75	21.50	23.0	0.0
10	QPSK	26	0	21.54	21.75	21.96	23.0	0.0
10	QPSK	26	14	21.75	21.75	21.75	23.0	0.0
10	QPSK	26	27	21.71	21.75	21.79	23.0	0.0
10	QPSK	50	0	21.73	21.75	21.77	23.0	0.0
10	16QAM	1	1	22.00	21.75	21.50	22.0	1.0
10	16QAM	1	1	22.00	21.75	21.50	22.0	1.0
10	256QAM	1	1	18.75	18.75	18.75	20.0	3.0

n30_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Middle Ch./Frac.	Power High Ch./Frac.	Timegap (ms)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.00	22.45	21.90	24.5	0.0
10	QPSK	1	26	23.00	22.45	21.90	24.5	0.0
10	QPSK	1	50	23.00	22.45	21.90	24.5	0.0
10	QPSK	26	0	22.75	22.45	22.15	23.5	1.0
10	QPSK	26	14	22.60	22.45	22.30	24.5	0.0
10	QPSK	26	27	22.49	22.45	22.49	24.5	1.0
10	QPSK	50	0	22.38	22.45	22.52	23.5	1.0
10	16QAM	1	1	23.14	22.45	21.76	23.5	1.0
10	16QAM	1	1	23.28	22.45	21.62	22.0	2.5
10	256QAM	1	1	18.76	18.76	18.76	20.0	4.5

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Middle Ch./Frac.	Power High Ch./Frac.	Timegap (ms)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.00	21.45	21.90	22.5	0.0
30	QPSK	1	80	20.99	20.99	20.99	22.5	0.0
30	QPSK	1	160	21.01	21.01	21.01	22.5	0.0
30	QPSK	80	0	21.02	21.03	21.03	22.5	0.0
30	QPSK	80	40	21.01	21.06	21.01	22.5	0.0
30	QPSK	80	80	21.01	21.05	20.98	22.5	0.0
30	QPSK	160	0	20.99	21.03	20.99	22.5	0.0
30	16QAM	1	1	20.98	21.04	20.91	22.0	0.0
30	16QAM	1	1	20.97	20.94	20.93	22.0	0.5
30	256QAM	1	1	18.53	18.53	18.47	20.0	2.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.00	21.55	21.10	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.98	21.03	21.08	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.04	21.05	20.94	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.99	21.06	21.01	22.0	0.0

n66_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Middle Ch./Frac.	Power High Ch./Frac.	Timegap (ms)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.11	22.15	22.20	23.0	0.0
30	QPSK	1	80	22.08	22.08	22.08	23.0	0.0
30	QPSK	1	160	22.06	22.06	22.06	23.0	0.0
30	QPSK	80	0	22.08	22.08	22.08	23.0	0.0
30	QPSK	80	40	22.06	22.13	22.01	23.0	0.0
30	QPSK	80	80	22.06	22.07	21.94	23.0	0.0
30	QPSK	160	0	22.05	22.10	21.93	23.0	0.0
30	16QAM	1	1	22.06	22.10	21.93	22.0	0.0
30	16QAM	1	1	22.09	21.73	21.07	22.0	1.0
30	256QAM	1	1	19.10	19.10	19.06	20.0	3.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.06	22.11	22.09	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.05	22.12	22.00	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.08	22.07	22.07	23.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.06	22.06	21.99	23.0	0.0



n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Mid Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up time (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	80	1840	1853	1847	19.5	0.0
30	QPSK	1	160	1840	1848	1841		
30	QPSK	80	0	1850	1853	1848	19.5	0.0
30	QPSK	80	80	1850	1855	1850	19.5	0.0
30	QPSK	80	160	1850	1852	1847	19.5	0.0
30	QPSK	160	0	1840	1853	1848	19.5	0.0
30	8QAM	1	1	1840	1848	1844	19.5	0.0
30	8QAM	1	1	1840	1849	1851	19.5	0.0
30	256QAM	1	1	1840	1858	1849	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
Channel								
Frequency (MHz)								
15	QPSK	1	1	1710	1740	1770		
Channel								
Frequency (MHz)								
10	QPSK	1	1	1840	1850	1838	19.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	1840	1850	1847	19.5	0.0

n66_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Mid Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up time (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1720	1740	1760		
30	QPSK	1	80	2150	2138	2108	22.5	0.0
30	QPSK	1	160	2150	2141	2108		
30	QPSK	80	0	2150	2142	2108	22.5	0.0
30	QPSK	80	80	2150	2143	2108	22.5	0.0
30	QPSK	80	160	2150	2142	2107	22.5	0.0
30	8QAM	1	1	2150	2140	2107	22.5	0.0
30	8QAM	1	1	2150	2142	2108	22.5	0.5
30	256QAM	1	1	2150	2154	2150	22.5	2.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
Channel								
Frequency (MHz)								
15	QPSK	1	1	2150	2140	2107		
Channel								
Frequency (MHz)								
10	QPSK	1	1	2150	2142	2108	22.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2150	2138	2107	22.5	0.0

n71_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Mid Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up time (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
30	QPSK	1	83	2321	2335	2322	24.5	0.0
30	QPSK	1	164	2321	2332	2328		
30	QPSK	80	0	2320	2338	2320	23.5	1.0
30	QPSK	80	78	2320	2338	2321	24.5	0.0
30	QPSK	80	156	2320	2329	2322	24.5	1.0
30	QPSK	160	0	2320	2331	2322	24.5	1.0
30	8QAM	1	1	2320	2318	2320	24.5	1.0
30	8QAM	1	1	2320	2328	2320	22.0	2.5
30	256QAM	1	1	2320	2335	2320	24.5	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	1720	1740	1760		
Channel								
Frequency (MHz)								
10	QPSK	1	1	2320	2330	2320	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2320	2330	2328	24.5	0.0

n71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Mid Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-up time (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
30	QPSK	1	83	2039	2055	2042	22.0	0.0
30	QPSK	1	164	2039	2049	2043		
30	QPSK	80	0	2038	2058	2043	22.0	0.0
30	QPSK	80	78	2038	2058	2041	22.0	0.0
30	QPSK	80	156	2038	2049	2044	22.0	0.0
30	QPSK	160	0	2038	2049	2042	22.0	0.0
30	8QAM	1	1	2038	2048	2041	22.0	0.0
30	8QAM	1	1	2038	2058	2043	22.0	0.0
30	256QAM	1	1	2038	2054	2041	22.0	2.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	1720	1740	1760		
Channel								
Frequency (MHz)								
10	QPSK	1	1	2038	2048	2041	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2038	2048	2046	22.0	0.0



n38_Ant 2									
SV (MHz)	Multiplex	RB Size	RB Offset	Power Line Ch. F.Freq.	Power Min. Ch. F.Freq.	Power High Ch. F.Freq.	Time-up time (min)	MFR (Hz)	
Channel									
Frequency (MHz)									
40	CPSC	1	1	1830	1830	1830			
40	CPSC	1	33	1835	1835	1835	21.0	0.0	
40	CPSC	1	66	1840	1840	1840			
40	CPSC	30	0	1845	1845	1845			
40	CPSC	30	33	1850	1850	1850	21.0	0.0	
40	CPSC	30	66	1855	1855	1855			
40	CPSC	100	0	1860	1860	1860	21.0	0.0	
40	CPSC	100	33	1865	1865	1865	21.0	0.0	
40	CPSC	100	66	1870	1870	1870	21.0	0.0	
40	CPSC	100	99	1875	1875	1875	21.0	0.0	
40	CPSC	100	132	1880	1880	1880	21.0	0.0	
40	CPSC	100	165	1885	1885	1885	21.0	0.0	
40	CPSC	100	198	1890	1890	1890	21.0	0.0	
40	CPSC	100	231	1895	1895	1895	21.0	0.0	
40	CPSC	100	264	1900	1900	1900	21.0	0.0	
40	CPSC	100	297	1905	1905	1905	21.0	0.0	
40	CPSC	100	330	1910	1910	1910	21.0	0.0	
40	CPSC	100	363	1915	1915	1915	21.0	0.0	
40	CPSC	100	396	1920	1920	1920	21.0	0.0	
40	CPSC	100	429	1925	1925	1925	21.0	0.0	
40	CPSC	100	462	1930	1930	1930	21.0	0.0	
40	CPSC	100	495	1935	1935	1935	21.0	0.0	
40	CPSC	100	528	1940	1940	1940	21.0	0.0	
40	CPSC	100	561	1945	1945	1945	21.0	0.0	
40	CPSC	100	594	1950	1950	1950	21.0	0.0	
40	CPSC	100	627	1955	1955	1955	21.0	0.0	
40	CPSC	100	660	1960	1960	1960	21.0	0.0	
40	CPSC	100	693	1965	1965	1965	21.0	0.0	
40	CPSC	100	726	1970	1970	1970	21.0	0.0	
40	CPSC	100	759	1975	1975	1975	21.0	0.0	
40	CPSC	100	792	1980	1980	1980	21.0	0.0	
40	CPSC	100	825	1985	1985	1985	21.0	0.0	
40	CPSC	100	858	1990	1990	1990	21.0	0.0	
40	CPSC	100	891	1995	1995	1995	21.0	0.0	
40	CPSC	100	924	2000	2000	2000	21.0	0.0	
40	CPSC	100	957	2005	2005	2005	21.0	0.0	
40	CPSC	100	990	2010	2010	2010	21.0	0.0	
40	CPSC	100	1023	2015	2015	2015	21.0	0.0	
40	CPSC	100	1056	2020	2020	2020	21.0	0.0	
40	CPSC	100	1089	2025	2025	2025	21.0	0.0	
40	CPSC	100	1122	2030	2030	2030	21.0	0.0	
40	CPSC	100	1155	2035	2035	2035	21.0	0.0	
40	CPSC	100	1188	2040	2040	2040	21.0	0.0	
40	CPSC	100	1221	2045	2045	2045	21.0	0.0	
40	CPSC	100	1254	2050	2050	2050	21.0	0.0	
40	CPSC	100	1287	2055	2055	2055	21.0	0.0	
40	CPSC	100	1320	2060	2060	2060	21.0	0.0	
40	CPSC	100	1353	2065	2065	2065	21.0	0.0	
40	CPSC	100	1386	2070	2070	2070	21.0	0.0	
40	CPSC	100	1419	2075	2075	2075	21.0	0.0	
40	CPSC	100	1452	2080	2080	2080	21.0	0.0	
40	CPSC	100	1485	2085	2085	2085	21.0	0.0	
40	CPSC	100	1518	2090	2090	2090	21.0	0.0	
40	CPSC	100	1551	2095	2095	2095	21.0	0.0	
40	CPSC	100	1584	2100	2100	2100	21.0	0.0	
40	CPSC	100	1617	2105	2105	2105	21.0	0.0	
40	CPSC	100	1650	2110	2110	2110	21.0	0.0	
40	CPSC	100	1683	2115	2115	2115	21.0	0.0	
40	CPSC	100	1716	2120	2120	2120	21.0	0.0	
40	CPSC	100	1749	2125	2125	2125	21.0	0.0	
40	CPSC	100	1782	2130	2130	2130	21.0	0.0	
40	CPSC	100	1815	2135	2135	2135	21.0	0.0	
40	CPSC	100	1848	2140	2140	2140	21.0	0.0	
40	CPSC	100	1881	2145	2145	2145	21.0	0.0	
40	CPSC	100	1914	2150	2150	2150	21.0	0.0	
40	CPSC	100	1947	2155	2155	2155	21.0	0.0	
40	CPSC	100	1980	2160	2160	2160	21.0	0.0	
40	CPSC	100	2013	2165	2165	2165	21.0	0.0	
40	CPSC	100	2046	2170	2170	2170	21.0	0.0	
40	CPSC	100	2079	2175	2175	2175	21.0	0.0	
40	CPSC	100	2112	2180	2180	2180	21.0	0.0	
40	CPSC	100	2145	2185	2185	2185	21.0	0.0	
40	CPSC	100	2178	2190	2190	2190	21.0	0.0	
40	CPSC	100	2211	2195	2195	2195	21.0	0.0	
40	CPSC	100	2244	2200	2200	2200	21.0	0.0	
40	CPSC	100	2277	2205	2205	2205	21.0	0.0	
40	CPSC	100	2310	2210	2210	2210	21.0	0.0	
40	CPSC	100	2343	2215	2215	2215	21.0	0.0	
40	CPSC	100	2376	2220	2220	2220	21.0	0.0	
40	CPSC	100	2409	2225	2225	2225	21.0	0.0	
40	CPSC	100	2442	2230	2230	2230	21.0	0.0	
40	CPSC	100	2475	2235	2235	2235	21.0	0.0	
40	CPSC	100	2508	2240	2240	2240	21.0	0.0	
40	CPSC	100	2541	2245	2245	2245	21.0	0.0	
40	CPSC	100	2574	2250	2250	2250	21.0	0.0	
40	CPSC	100	2607	2255	2255	2255	21.0	0.0	
40	CPSC	100	2640	2260	2260	2260	21.0	0.0	
40	CPSC	100	2673	2265	2265	2265	21.0	0.0	
40	CPSC	100	2706	2270	2270	2270	21.0	0.0	
40	CPSC	100	2739	2275	2275	2275	21.0	0.0	
40	CPSC	100	2772	2280	2280	2280	21.0	0.0	
40	CPSC	100	2805	2285	2285	2285	21.0	0.0	
40	CPSC	100	2838	2290	2290	2290	21.0	0.0	
40	CPSC	100	2871	2295	2295	2295	21.0	0.0	
40	CPSC	100	2904	2300	2300	2300	21.0	0.0	
40	CPSC	100	2937	2305	2305	2305	21.0	0.0	
40	CPSC	100	2970	2310	2310	2310	21.0	0.0	
40	CPSC	100	3003	2315	2315	2315	21.0	0.0	
40	CPSC	100	3036	2320	2320	2320	21.0	0.0	
40	CPSC	100	3069	2325	2325	2325	21.0	0.0	
40	CPSC	100	3102	2330	2330	2330	21.0	0.0	
40	CPSC	100	3135	2335	2335	2335	21.0	0.0	
40	CPSC	100	3168	2340	2340	2340	21.0	0.0	
40	CPSC	100	3201	2345	2345	2345	21.0	0.0	
40	CPSC	100	3234	2350	2350	2350	21.0	0.0	
40	CPSC	100	3267	2355	2355	2355	21.0	0.0	
40	CPSC	100	3300	2360	2360	2360	21.0	0.0	
40	CPSC	100	3333	2365	2365	2365	21.0	0.0	
40	CPSC	100	3366	2370	2370	2370	21.0	0.0	
40	CPSC	100	3399	2375	2375	2375	21.0	0.0	
40	CPSC	100	3432	2380	2380	2380	21.0	0.0	
40	CPSC	100	3465	2385	2385	2385	21.0	0.0	
40	CPSC	100	3498	2390	2390	2390	21.0	0.0	
40	CPSC	100	3531	2395	2395	2395	21.0	0.0	
40	CPSC	100	3564	2400	2400	2400	21.0	0.0	
40	CPSC	100	3597	2405	2405	2405	21.0	0.0	
40	CPSC	100	3630	2410	2410	2410	21.0	0.0	
40	CPSC	100	3663	2415	2415	2415	21.0	0.0	
40	CPSC	100	3696	2420	2420	2420	21.0	0.0	
40	CPSC	100	3729	2425	2425	2425	21.0	0.0	
40	CPSC	100	3762	2430	2430	2430	21.0	0.0	
40	CPSC	100	3795	2435	2435	2435	21.0	0.0	
40	CPSC	100	3828	2440	2440	2440	21.0	0.0	
40	CPSC	100	3861	2445	2445	2445	21.0	0.0	
40	CPSC	100	3894	2450	2450	2450	21.0	0.0	
40	CPSC	100	3927	2455	2455	2455	21.0	0.0	
40	CPSC	100	3960	2460	2460	2460	21.0	0.0	
40	CPSC	100	3993	24					



FCC_n41_Ant 2									
Site ID	Modem	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	18.00	18.00	18.00			
100	QPSK	1	1	18.07	18.07	18.07	21.0	0.0	
100	QPSK	1	1	18.14	18.14	18.14			
100	QPSK	1	1	18.21	18.21	18.21			
100	QPSK	1	1	18.28	18.28	18.28			
100	QPSK	1	1	18.35	18.35	18.35	21.0	0.0	
100	QPSK	1	1	18.42	18.42	18.42			
100	QPSK	1	1	18.49	18.49	18.49			
100	QPSK	1	1	18.56	18.56	18.56	21.0	0.0	
100	QPSK	1	1	18.63	18.63	18.63			
100	QPSK	1	1	18.70	18.70	18.70	21.0	0.0	
100	QPSK	1	1	18.77	18.77	18.77			
100	QPSK	1	1	18.84	18.84	18.84	21.0	0.0	
100	QPSK	1	1	18.91	18.91	18.91			
100	QPSK	1	1	18.98	18.98	18.98	21.0	0.0	
100	QPSK	1	1	19.05	19.05	19.05			
100	QPSK	1	1	19.12	19.12	19.12	21.0	0.0	
100	QPSK	1	1	19.19	19.19	19.19			
100	QPSK	1	1	19.26	19.26	19.26	21.0	0.0	
100	QPSK	1	1	19.33	19.33	19.33			
100	QPSK	1	1	19.40	19.40	19.40	21.0	0.0	
100	QPSK	1	1	19.47	19.47	19.47			
100	QPSK	1	1	19.54	19.54	19.54	21.0	0.0	
100	QPSK	1	1	19.61	19.61	19.61			
100	QPSK	1	1	19.68	19.68	19.68	21.0	0.0	
100	QPSK	1	1	19.75	19.75	19.75			
100	QPSK	1	1	19.82	19.82	19.82	21.0	0.0	
100	QPSK	1	1	19.89	19.89	19.89			
100	QPSK	1	1	19.96	19.96	19.96	21.0	0.0	
100	QPSK	1	1	20.03	20.03	20.03			
100	QPSK	1	1	20.10	20.10	20.10	21.0	0.0	
100	QPSK	1	1	20.17	20.17	20.17			
100	QPSK	1	1	20.24	20.24	20.24	21.0	0.0	
100	QPSK	1	1	20.31	20.31	20.31			
100	QPSK	1	1	20.38	20.38	20.38	21.0	0.0	
100	QPSK	1	1	20.45	20.45	20.45			
100	QPSK	1	1	20.52	20.52	20.52	21.0	0.0	
100	QPSK	1	1	20.59	20.59	20.59			
100	QPSK	1	1	20.66	20.66	20.66	21.0	0.0	
100	QPSK	1	1	20.73	20.73	20.73			
100	QPSK	1	1	20.80	20.80	20.80	21.0	0.0	
100	QPSK	1	1	20.87	20.87	20.87			
100	QPSK	1	1	20.94	20.94	20.94	21.0	0.0	
100	QPSK	1	1	21.01	21.01	21.01			
100	QPSK	1	1	21.08	21.08	21.08	21.0	0.0	
100	QPSK	1	1	21.15	21.15	21.15			
100	QPSK	1	1	21.22	21.22	21.22	21.0	0.0	
100	QPSK	1	1	21.29	21.29	21.29			
100	QPSK	1	1	21.36	21.36	21.36	21.0	0.0	
100	QPSK	1	1	21.43	21.43	21.43			
100	QPSK	1	1	21.50	21.50	21.50	21.0	0.0	
100	QPSK	1	1	21.57	21.57	21.57			
100	QPSK	1	1	21.64	21.64	21.64	21.0	0.0	
100	QPSK	1	1	21.71	21.71	21.71			
100	QPSK	1	1	21.78	21.78	21.78	21.0	0.0	
100	QPSK	1	1	21.85	21.85	21.85			
100	QPSK	1	1	21.92	21.92	21.92	21.0	0.0	
100	QPSK	1	1	21.99	21.99	21.99			
100	QPSK	1	1	22.06	22.06	22.06	21.0	0.0	
100	QPSK	1	1	22.13	22.13	22.13			
100	QPSK	1	1	22.20	22.20	22.20	21.0	0.0	
100	QPSK	1	1	22.27	22.27	22.27			
100	QPSK	1	1	22.34	22.34	22.34	21.0	0.0	
100	QPSK	1	1	22.41	22.41	22.41			
100	QPSK	1	1	22.48	22.48	22.48	21.0	0.0	
100	QPSK	1	1	22.55	22.55	22.55			
100	QPSK	1	1	22.62	22.62	22.62	21.0	0.0	
100	QPSK	1	1	22.69	22.69	22.69			
100	QPSK	1	1	22.76	22.76	22.76	21.0	0.0	
100	QPSK	1	1	22.83	22.83	22.83			
100	QPSK	1	1	22.90	22.90	22.90	21.0	0.0	
100	QPSK	1	1	22.97	22.97	22.97			
100	QPSK	1	1	23.04	23.04	23.04	21.0	0.0	
100	QPSK	1	1	23.11	23.11	23.11			
100	QPSK	1	1	23.18	23.18	23.18	21.0	0.0	
100	QPSK	1	1	23.25	23.25	23.25			
100	QPSK	1	1	23.32	23.32	23.32	21.0	0.0	
100	QPSK	1	1	23.39	23.39	23.39			
100	QPSK	1	1	23.46	23.46	23.46	21.0	0.0	
100	QPSK	1	1	23.53	23.53	23.53			
100	QPSK	1	1	23.60	23.60	23.60	21.0	0.0	
100	QPSK	1	1	23.67	23.67	23.67			
100	QPSK	1	1	23.74	23.74	23.74	21.0	0.0	
100	QPSK	1	1	23.81	23.81	23.81			
100	QPSK	1	1	23.88	23.88	23.88	21.0	0.0	
100	QPSK	1	1	23.95	23.95	23.95			
100	QPSK	1	1	24.02	24.02	24.02	21.0	0.0	
100	QPSK	1	1	24.09	24.09	24.09			
100	QPSK	1	1	24.16	24.16	24.16	21.0	0.0	
100	QPSK	1	1	24.23	24.23	24.23			
100	QPSK	1	1	24.30	24.30	24.30	21.0	0.0	
100	QPSK	1	1	24.37	24.37	24.37			
100	QPSK	1	1	24.44	24.44	24.44	21.0	0.0	
100	QPSK	1	1	24.51	24.51	24.51			
100	QPSK	1	1	24.58	24.58	24.58	21.0	0.0	
100	QPSK	1	1	24.65	24.65	24.65			
100	QPSK	1	1	24.72	24.72	24.72	21.0	0.0	
100	QPSK	1	1	24.79	24.79	24.79			
100	QPSK	1	1	24.86	24.86	24.86	21.0	0.0	
100	QPSK	1	1	24.93	24.93	24.93			
100	QPSK	1	1	25.00	25.00	25.00	21.0	0.0	
100	QPSK	1	1	25.07	25.07	25.07			
100	QPSK	1	1	25.14	25.14	25.14	21.0	0.0	
100	QPSK	1	1	25.21	25.21	25.21			
100	QPSK	1	1	25.28	25.28	25.28	21.0	0.0	
100	QPSK	1	1	25.35	25.35	25.35			
100	QPSK	1	1	25.42	25.42	25.42	21.0	0.0	
100	QPSK	1	1	25.49	25.49	25.49			
100	QPSK	1	1	25.56	25.56	25.56	21.0	0.0	
100	QPSK	1	1	25.63	25.63	25.63			
100	QPSK	1	1	25.70	25.70	25.70	21.0	0.0	
100	QPSK	1	1	25.77	25.77	25.77			
100	QPSK	1	1	25.84	25.84	25.84	21.0	0.0	
100	QPSK	1	1	25.91	25.91	25.91			
100	QPSK	1	1	25.98	25.98	25.98	21.0	0.0	
100	QPSK	1	1	26.05	26.05	26.05			
100	QPSK	1	1	26.12	26.12	26.12	21.0	0.0	
100	QPSK	1	1	26.19	26.19	26.19			
100	QPSK	1	1	26.26	26.26	26.26	21.0	0.0	
100	QPSK	1	1	26.33	26.33	26.33			
100	QPSK	1	1	26.40	26.40	26.40	21.0	0.0	
100	QPSK	1	1	26.47	26.47	26.47			
100	QPSK	1	1	26.54	26.54	26.54	21.0	0.0	
100	QPSK	1	1	26.61	26.61	26.61			
100	QPSK	1	1	26.68	26.68	26.68	21.0	0.0	
100	QPSK	1	1	26.75	26.75	26.75			
100	QPSK	1	1	26.82	26.82	26.82	21.0	0.0	
100	QPSK	1	1	26.89	26.89	26.89			
100	QPSK	1	1	26.96	26.96	26.96	21.0	0.0	
100	QPSK	1	1	27.03	27.03	27.03			
100	QPSK	1	1	27.10	27.10	27.10	21.0	0.0	
100	QPSK	1	1	27.17	27.17	27.17			
100	QPSK	1	1	27.24	27.24	27.24	21.0	0.0	



DSI 15 Power

n2_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
20	QPSK	1	1	20.55	20.55	20.55	20.55
20	QPSK	1	33	20.40	20.50	20.37	21.5
20	QPSK	1	104	20.49	20.50	20.49	21.5
20	QPSK	50	0	20.44	20.47	20.43	21.5
20	QPSK	50	28	20.44	20.50	20.43	21.5
20	QPSK	50	56	20.44	20.50	20.43	21.5
20	QPSK	100	0	20.47	20.50	20.38	21.5
20	16QAM	1	1	20.48	20.48	20.48	21.5
20	16QAM	1	1	20.48	20.48	20.38	21.5
20	256QAM	1	1	18.90	19.00	18.88	20.5
20	256QAM	1	1	18.90	19.00	18.88	20.5
10	QPSK	1	1	10.25	10.25	10.25	11.5
10	QPSK	1	33	10.10	10.20	10.07	11.5
10	QPSK	1	104	10.19	10.20	10.19	11.5
10	QPSK	50	0	10.14	10.17	10.13	11.5
10	QPSK	50	28	10.14	10.20	10.13	11.5
10	QPSK	50	56	10.14	10.20	10.13	11.5
10	QPSK	100	0	10.17	10.20	10.08	11.5
10	16QAM	1	1	10.18	10.18	10.18	11.5
10	16QAM	1	1	10.18	10.18	10.08	11.5
5	QPSK	1	1	20.42	20.46	20.37	21.5

n2_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
20	QPSK	1	1	20.55	20.55	20.55	20.55
20	QPSK	1	33	20.21	20.31	20.20	21.5
20	QPSK	1	104	20.31	20.36	20.28	21.5
20	QPSK	50	0	20.22	20.32	20.23	21.5
20	QPSK	50	28	20.22	20.42	20.31	21.5
20	QPSK	50	56	20.22	20.32	20.24	21.5
20	QPSK	100	0	20.20	20.20	20.24	21.5
20	16QAM	1	1	20.20	20.20	20.20	21.5
20	16QAM	1	1	20.20	20.48	20.10	21.5
20	256QAM	1	1	18.50	18.54	18.48	20.5
20	256QAM	1	1	18.50	18.60	18.50	20.5
10	QPSK	1	1	10.25	10.25	10.25	11.5
10	QPSK	1	33	10.10	10.20	10.08	11.5
10	QPSK	1	104	10.19	10.20	10.19	11.5
10	QPSK	50	0	10.14	10.17	10.13	11.5
10	QPSK	50	28	10.14	10.20	10.13	11.5
10	QPSK	50	56	10.14	10.20	10.13	11.5
10	QPSK	100	0	10.17	10.20	10.08	11.5
10	16QAM	1	1	10.18	10.18	10.18	11.5
10	16QAM	1	1	10.18	10.18	10.08	11.5
5	QPSK	1	1	20.20	20.41	20.21	21.5

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
20	QPSK	1	1	20.55	20.55	20.55	20.55
20	QPSK	1	33	20.40	20.49	20.38	21.5
20	QPSK	1	104	20.49	20.51	20.48	21.5
20	QPSK	50	0	20.30	20.38	20.28	21.5
20	QPSK	50	28	20.30	20.38	20.28	21.5
20	QPSK	50	56	20.30	20.38	20.28	21.5
20	QPSK	100	0	20.20	20.30	20.20	21.5
20	16QAM	1	1	20.20	20.20	20.20	21.5
20	16QAM	1	1	20.20	20.48	20.05	21.5
20	256QAM	1	1	18.70	18.80	18.70	20.5
20	256QAM	1	1	18.70	18.80	18.70	20.5
10	QPSK	1	1	10.25	10.25	10.25	11.5
10	QPSK	1	33	10.10	10.20	10.08	11.5
10	QPSK	1	104	10.19	10.20	10.19	11.5
10	QPSK	50	0	10.14	10.17	10.13	11.5
10	QPSK	50	28	10.14	10.20	10.13	11.5
10	QPSK	50	56	10.14	10.20	10.13	11.5
10	QPSK	100	0	10.17	10.20	10.08	11.5
10	16QAM	1	1	10.18	10.18	10.18	11.5
10	16QAM	1	1	10.18	10.18	10.08	11.5
5	QPSK	1	1	20.30	20.34	20.28	21.5

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq. (MHz)	Power Line Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Low Ch. Freq. (MHz)
20	QPSK	1	1	20.55	20.55	20.55	20.55
20	QPSK	1	33	20.28	20.47	20.21	21.5
20	QPSK	1	104	20.46	20.58	20.38	21.5
20	QPSK	50	0	20.03	20.21	20.08	21.5
20	QPSK	50	28	20.03	20.31	20.08	21.5
20	QPSK	50	56	20.03	20.21	20.08	21.5
20	QPSK	100	0	20.04	20.20	20.08	21.5
20	16QAM	1	1	20.01	20.01	20.01	21.5
20	16QAM	1	1	20.01	20.01	20.01	21.5
20	256QAM	1	1	18.01	18.00	18.00	20.5
20	256QAM	1	1	18.01	18.00	18.00	20.5
10	QPSK	1	1	10.25	10.25	10.25	11.5
10	QPSK	1	33	10.10	10.20	10.08	11.5
10	QPSK	1	104	10.19	10.20	10.19	11.5
10	QPSK	50	0	10.14	10.17	10.13	11.5
10	QPSK	50	28	10.14	10.20	10.13	11.5
10	QPSK	50	56	10.14	10.20	10.13	11.5
10	QPSK	100	0	10.17	10.20	10.08	11.5
10	16QAM	1	1	10.18	10.18	10.18	11.5
10	16QAM	1	1	10.18	10.18	10.08	11.5
5	QPSK	1	1	20.20	20.40	20.16	21.5



n12_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Timegap (ms) (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.5	21.5	21.5		
15	QPSK	1	40	22.28	22.41	22.24	24.5	0.0
15	QPSK	1	71	22.28	22.48	22.36		
15	QPSK	36	0	22.54	22.45	22.28	23.5	1.0
15	QPSK	36	22	22.54	22.36	22.45	24.5	0.0
15	QPSK	36	43	22.54	22.31	22.14		1.0
15	QPSK	75	0	22.58	22.42	22.27	23.5	1.0
15	8QAM	1	1	21.5	21.5	21.5	22.0	1.0
15	8QAM	1	1	21.58	21.18	21.02	22.0	2.5
25GAM	1	1	1	18.62	18.77	18.50	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.5	21.5	21.5		
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.28	22.42	22.19	24.5	0.0

n12_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Timegap (ms) (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.58	22.58	22.58		
15	QPSK	1	40	23.40	23.33	23.43	24.5	0.0
15	QPSK	1	71	23.38	23.47	23.36		
15	QPSK	36	0	22.52	22.37	22.27	23.5	1.0
15	QPSK	36	25	22.52	22.35	22.21	24.5	0.0
15	QPSK	36	43	22.40	22.38	22.45		1.0
15	QPSK	75	0	22.43	22.33	22.41	23.5	1.0
15	8QAM	1	1	22.41	22.40	22.38	23.5	1.0
15	8QAM	1	1	20.89	21.03	20.88	22.0	2.5
25GAM	1	1	1	18.70	18.88	18.70	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.41	22.46	22.43	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.58	22.48	22.38	24.5	0.0

n25_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Timegap (ms) (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.55	20.55	20.55		
20	QPSK	1	33	20.52	20.38	20.40	21.5	0.0
20	QPSK	1	104	20.34	20.58	20.51		
20	QPSK	36	0	20.39	20.33	20.41	21.5	0.0
20	QPSK	36	28	20.31	20.37	20.35	21.5	0.0
20	QPSK	36	55	20.43	20.49	20.49		1.0
20	QPSK	100	0	20.40	20.35	20.43	21.5	0.0
20	8QAM	1	1	20.37	20.58	20.51	21.5	0.0
20	8QAM	1	1	20.50	20.37	20.45	21.5	0.0
20	25GAM	1	1	18.01	18.04	18.04	20.0	1.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.01	18.03	18.03		
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.60	18.00	18.00		
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.47	20.50	20.42	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.55	20.32	20.51	21.5	0.0

n25_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max. Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Timegap (ms) (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.05	21.05	21.05		
20	QPSK	1	33	21.08	21.21	21.23	24.5	0.0
20	QPSK	1	104	21.06	21.26	21.28		
20	QPSK	36	0	21.05	21.02	21.08	23.5	1.0
20	QPSK	36	28	21.04	21.05	21.01	24.5	0.0
20	QPSK	36	55	21.41	21.09	21.04		1.0
20	QPSK	100	0	21.29	21.08	21.03	23.5	1.0
20	8QAM	1	1	21.01	21.21	21.21	23.5	1.0
20	8QAM	1	1	21.50	21.70	21.55	22.0	2.5
20	25GAM	1	1	18.06	18.08	18.05	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.05	21.05	21.05		
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.15	21.04	21.09	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.22	21.33	21.28	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.16	21.30	21.24	24.5	0.0



n30_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Mids Ch./Frac.	Power High Ch./Frac.	Timing Int. (dB)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.00	21.10			
10	QPSK	1	26	21.75	21.10		23.0	0.0
10	QPSK	1	50	21.50	21.10			
10	QPSK	25	0	21.14	21.10		23.0	0.0
10	QPSK	25	14	21.15	21.10		23.0	0.0
10	QPSK	25	27	21.11	21.10		23.0	0.0
10	QPSK	50	0	21.12	21.10		23.0	0.0
10	16QAM	1	1	21.01	21.10		23.5	1.0
10	16QAM	1	1	20.15	21.10		22.0	1.0
10	256QAM	1	1	18.75	21.10		20.0	3.0

n30_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Mids Ch./Frac.	Power High Ch./Frac.	Timing Int. (dB)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.10	21.10			
10	QPSK	1	26	21.05	21.10		24.5	0.0
10	QPSK	1	50	21.01	21.10			
10	QPSK	25	0	21.10	21.10		23.5	1.0
10	QPSK	25	14	21.00	21.10		24.5	0.0
10	QPSK	25	27	21.04	21.10		24.5	1.0
10	QPSK	50	0	21.01	21.10		24.5	1.0
10	16QAM	1	1	21.00	21.10		23.5	1.0
10	16QAM	1	1	21.01	21.10		22.0	2.5
10	256QAM	1	1	18.51	21.10		20.0	4.5

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Mids Ch./Frac.	Power High Ch./Frac.	Timing Int. (dB)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.00	21.75	21.50		
30	QPSK	1	80	22.05	22.28	22.21	23.5	0.0
30	QPSK	1	160	21.99	22.15	22.09		
30	QPSK	80	0	21.80	22.20	21.91	23.5	0.0
30	QPSK	80	40	21.90	22.38	22.10	23.5	0.0
30	QPSK	80	80	21.96	22.29	22.10	23.5	0.0
30	QPSK	160	0	22.12	22.21	22.17	23.5	0.0
30	16QAM	1	1	21.70	21.58	21.34	23.5	0.0
30	16QAM	1	1	21.00	21.37	21.13	22.0	1.5
30	256QAM	1	1	19.16	19.98	19.25	20.0	3.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.00	17.65	17.90		
30	QPSK	1	1	22.29	22.21	22.14	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.90	22.25	22.15	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.00	22.28	22.18	23.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.00	22.29	22.20	23.5	0.0

n66_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Frac.	Power Mids Ch./Frac.	Power High Ch./Frac.	Timing Int. (dB)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.50	21.54	21.50		
30	QPSK	1	80	22.12	22.28	22.21	24.5	0.0
30	QPSK	1	160	22.14	22.08	22.03		
30	QPSK	80	0	22.05	22.01	22.01	23.5	1.0
30	QPSK	80	40	22.04	22.41	22.41	24.5	0.0
30	QPSK	80	80	22.41	22.14	22.42	24.5	1.0
30	QPSK	160	0	22.28	22.30	22.19	23.5	1.0
30	16QAM	1	1	21.30	21.40	21.20	23.5	1.0
30	16QAM	1	1	21.04	21.14	20.98	22.0	2.5
30	256QAM	1	1	19.20	19.20	19.00	20.0	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.00	17.65	17.90		
30	QPSK	1	1	22.30	22.25	22.21	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.90	22.40	22.20	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.08	22.48	22.30	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.00	22.50	22.50	24.5	0.0



n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low CL / 150000	Power Middle CL / 150000	Power High CL / 150000	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	80	2080	2087	2088	22.0	0.0
30	QPSK	1	160	2078	2085	2087		
30	QPSK	80	0	2042	2044	2035	22.0	0.0
30	QPSK	80	80	2041	2040	2039	22.0	0.0
30	QPSK	80	0	2045	2046	2037	22.0	0.0
30	QPSK	160	0	2040	2039	2038	22.0	0.0
30	8QAM	1	1	1856	1858	1856	22.0	0.0
30	8QAM	1	1	1752	1752	1752	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
Channel								
Frequency (MHz)								
15	QPSK	1	1	2038	2039	2039	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	2082	2088	2084	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2082	2080	2081	22.0	0.0

n66_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low CL / 300000	Power Middle CL / 300000	Power High CL / 300000	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	1725	1745	1765		
30	QPSK	1	80	2230	2239	2239	24.5	0.0
30	QPSK	1	160	2227	2246	2246		
30	QPSK	80	0	2221	2244	2235	23.5	1.0
30	QPSK	80	80	2220	2243	2234	24.5	0.0
30	QPSK	80	0	2224	2238	2229	23.5	1.0
30	8QAM	1	1	2021	2036	2026	23.5	1.0
30	8QAM	1	1	1923	1938	1928	22.0	2.5
30	25QAM	1	1	1920	1932	1939	20.0	4.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
Channel								
Frequency (MHz)								
15	QPSK	1	1	2038	2041	2041	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	2082	2088	2084	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2082	2080	2081	24.5	0.0

n71_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low CL / 150000	Power Middle CL / 150000	Power High CL / 150000	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	1720	1740	1760		
30	QPSK	1	80	2221	2230	2229	24.5	0.0
30	QPSK	1	160	2220	2239	2239		
30	QPSK	80	0	2223	2238	2229	23.5	1.0
30	QPSK	80	80	2222	2237	2228	24.5	0.0
30	QPSK	80	0	2226	2231	2222	23.5	1.0
30	8QAM	1	1	2020	2035	2025	23.5	1.0
30	8QAM	1	1	1922	1937	1927	22.0	2.5
30	25QAM	1	1	1920	1930	1937	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	2038	2040	2040	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	2082	2088	2084	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2082	2080	2081	24.5	0.0

n71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low CL / 150000	Power Middle CL / 150000	Power High CL / 150000	Time-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	1715	1735	1755		
30	QPSK	1	80	2212	2243	2233	24.5	0.0
30	QPSK	1	160	2210	2239	2229		
30	QPSK	80	0	2224	2238	2229	23.5	1.0
30	QPSK	80	80	2223	2237	2228	24.5	0.0
30	QPSK	80	0	2227	2232	2223	23.5	1.0
30	8QAM	1	1	2021	2036	2026	23.5	1.0
30	8QAM	1	1	1923	1938	1928	22.0	2.5
30	25QAM	1	1	1920	1930	1937	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	2038	2040	2040	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	2082	2088	2084	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	2082	2080	2081	24.5	0.0



n38_Ant 2										
Site (MHz)	Modulation	RB Size	RB Offset	Frame Len Ch. 1 (Freq.)	Frame Len Ch. 2 (Freq.)	Frame Len Ch. 3 (Freq.)	Transp. Int. (MHz)	SPS (Hz)		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
40	QPSK	1	1	18.75	18.75	18.75	21.0	0.0		
40	QPSK	1	33	18.75	18.83	18.88	21.0	0.0		
40	QPSK	1	66	18.75	18.76	18.88	21.0	0.0		
40	QPSK	50	0	18.83	18.76	18.88	21.0	0.0		
40	QPSK	50	33	18.83	18.76	18.88	21.0	0.0		
40	QPSK	50	66	18.83	18.72	18.88	21.0	0.0		
40	QPSK	100	0	18.83	18.72	18.88	21.0	0.0		
40	QPSK	100	33	18.77	18.84	18.88	21.0	0.0		
40	SCDMA	1	1	18.80	18.83	18.88	21.0	0.0		
40	SCDMA	1	1	18.72	18.80	18.78	21.0	1.0		
Channel				51900	51900	51900	Transp. Int. (MHz)	SPS (Hz)		
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
30	QPSK	1	1	18.80	18.85	18.88	21.0	0.0		
Channel				2490	2490	2490	Transp. Int. (MHz)	SPS (Hz)		
30	QPSK	1	0	18.75	18.86	18.72	21.0	0.0		

n38_Ant 3										
Site (MHz)	Modulation	RB Size	RB Offset	Frame Len Ch. 1 (Freq.)	Frame Len Ch. 2 (Freq.)	Frame Len Ch. 3 (Freq.)	Transp. Int. (MHz)	SPS (Hz)		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
40	QPSK	1	1	18.75	18.75	18.75	24.5	0.0		
40	QPSK	1	33	18.75	18.83	18.78	24.5	0.0		
40	QPSK	1	66	18.75	18.74	18.78	24.5	0.0		
40	QPSK	50	0	18.83	18.74	18.78	24.5	0.0		
40	QPSK	50	33	18.83	18.74	18.78	24.5	0.0		
40	QPSK	50	66	18.83	18.71	18.78	24.5	0.0		
40	QPSK	100	0	18.83	18.71	18.78	24.5	0.0		
40	SCDMA	1	1	18.80	18.75	18.78	24.5	1.0		
40	SCDMA	1	1	18.80	18.75	18.78	24.5	2.0		
Channel				51900	51900	51900	Transp. Int. (MHz)	SPS (Hz)		
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
30	QPSK	1	1	18.80	18.75	18.78	24.5	0.0		
Channel				2490	2490	2490	Transp. Int. (MHz)	SPS (Hz)		
30	QPSK	1	0	18.75	18.86	18.72	24.5	0.0		

n38_Ant 4										
Site (MHz)	Modulation	RB Size	RB Offset	Frame Len Ch. 1 (Freq.)	Frame Len Ch. 2 (Freq.)	Frame Len Ch. 3 (Freq.)	Transp. Int. (MHz)	SPS (Hz)		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
40	QPSK	1	1	18.75	18.75	18.75	20.5	0.0		
40	QPSK	1	33	18.75	18.83	18.78	20.5	0.0		
40	QPSK	1	66	18.75	18.74	18.78	20.5	0.0		
40	QPSK	50	0	18.83	18.74	18.78	20.5	0.0		
40	QPSK	50	33	18.83	18.74	18.78	20.5	0.0		
40	QPSK	50	66	18.83	18.71	18.78	20.5	0.0		
40	QPSK	100	0	18.83	18.71	18.78	20.5	0.0		
40	SCDMA	1	1	18.80	18.74	18.78	20.5	0.0		
40	SCDMA	1	1	18.80	18.74	18.78	20.5	1.0		
Channel				51900	51900	51900	Transp. Int. (MHz)	SPS (Hz)		
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
30	QPSK	1	1	18.80	18.74	18.78	20.5	0.0		
Channel				2490	2490	2490	Transp. Int. (MHz)	SPS (Hz)		
30	QPSK	1	0	18.75	18.86	18.72	20.5	0.0		

n38_Ant 8										
Site (MHz)	Modulation	RB Size	RB Offset	Frame Len Ch. 1 (Freq.)	Frame Len Ch. 2 (Freq.)	Frame Len Ch. 3 (Freq.)	Transp. Int. (MHz)	SPS (Hz)		
Channel										
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
40	QPSK	1	1	18.75	18.75	18.75	21.0	0.0		
40	QPSK	1	33	18.75	18.83	18.78	21.0	0.0		
40	QPSK	1	66	18.75	18.74	18.78	21.0	0.0		
40	QPSK	50	0	18.83	18.74	18.78	21.0	0.0		
40	QPSK	50	33	18.83	18.74	18.78	21.0	0.0		
40	QPSK	50	66	18.83	18.71	18.78	21.0	0.0		
40	QPSK	100	0	18.83	18.71	18.78	21.0	0.0		
40	SCDMA	1	1	18.80	18.74	18.78	21.0	0.0		
40	SCDMA	1	1	18.80	18.74	18.78	21.0	1.0		
Channel				51900	51900	51900	Transp. Int. (MHz)	SPS (Hz)		
Frequency (MHz)				2490.0	2490.0	2490.0	2490.0	2490.0		
30	QPSK	1	1	18.80	18.74	18.78	21.0	0.0		
Channel				2490	2490	2490	Transp. Int. (MHz)	SPS (Hz)		
30	QPSK	1	0	18.75	18.86	18.72	21.0	0.0		



Part27Q_n77_Ant 4										
RFI (MHz)	Modulation	RF Size	RF Chaz	Power Line Ch./F/Hz	Power Mod. Ch./F/Hz	Power High Ch./F/Hz	Turn-up time (min)	MPN (dB)		
Channel										
Frequency (MHz)										
100	QPSK	1	1	20.70						
100	QPSK	1	1	20.80				21.5	0.0	
100	QPSK	1	1	20.90						
100	QPSK	1	1	21.00						
100	QPSK	1	1	21.10						
100	QPSK	1	1	21.20						
100	QPSK	1	1	21.30						
100	QPSK	1	1	21.40						
100	QPSK	1	1	21.50						
100	QPSK	1	1	21.60						
100	QPSK	1	1	21.70						
100	QPSK	1	1	21.80						
100	QPSK	1	1	21.90						
100	QPSK	1	1	22.00						
100	QPSK	1	1	22.10						
100	QPSK	1	1	22.20						
100	QPSK	1	1	22.30						
100	QPSK	1	1	22.40						
100	QPSK	1	1	22.50						
100	QPSK	1	1	22.60						
100	QPSK	1	1	22.70						
100	QPSK	1	1	22.80						
100	QPSK	1	1	22.90						
100	QPSK	1	1	23.00						
100	QPSK	1	1	23.10						
100	QPSK	1	1	23.20						
100	QPSK	1	1	23.30						
100	QPSK	1	1	23.40						
100	QPSK	1	1	23.50						
100	QPSK	1	1	23.60						
100	QPSK	1	1	23.70						
100	QPSK	1	1	23.80						
100	QPSK	1	1	23.90						
100	QPSK	1	1	24.00						
100	QPSK	1	1	24.10						
100	QPSK	1	1	24.20						
100	QPSK	1	1	24.30						
100	QPSK	1	1	24.40						
100	QPSK	1	1	24.50						
100	QPSK	1	1	24.60						
100	QPSK	1	1	24.70						
100	QPSK	1	1	24.80						
100	QPSK	1	1	24.90						
100	QPSK	1	1	25.00						
100	QPSK	1	1	25.10						
100	QPSK	1	1	25.20						
100	QPSK	1	1	25.30						
100	QPSK	1	1	25.40						
100	QPSK	1	1	25.50						
100	QPSK	1	1	25.60						
100	QPSK	1	1	25.70						
100	QPSK	1	1	25.80						
100	QPSK	1	1	25.90						
100	QPSK	1	1	26.00						
100	QPSK	1	1	26.10						
100	QPSK	1	1	26.20						
100	QPSK	1	1	26.30						
100	QPSK	1	1	26.40						
100	QPSK	1	1	26.50						
100	QPSK	1	1	26.60						
100	QPSK	1	1	26.70						
100	QPSK	1	1	26.80						
100	QPSK	1	1	26.90						
100	QPSK	1	1	27.00						
100	QPSK	1	1	27.10						
100	QPSK	1	1	27.20						
100	QPSK	1	1	27.30						
100	QPSK	1	1	27.40						
100	QPSK	1	1	27.50						
100	QPSK	1	1	27.60						
100	QPSK	1	1	27.70						
100	QPSK	1	1	27.80						
100	QPSK	1	1	27.90						
100	QPSK	1	1	28.00						
100	QPSK	1	1	28.10						
100	QPSK	1	1	28.20						
100	QPSK	1	1	28.30						
100	QPSK	1	1	28.40						
100	QPSK	1	1	28.50						
100	QPSK	1	1	28.60						
100	QPSK	1	1	28.70						
100	QPSK	1	1	28.80						
100	QPSK	1	1	28.90						
100	QPSK	1	1	29.00						
100	QPSK	1	1	29.10						
100	QPSK	1	1	29.20						
100	QPSK	1	1	29.30						
100	QPSK	1	1	29.40						
100	QPSK	1	1	29.50						
100	QPSK	1	1	29.60						
100	QPSK	1	1	29.70						
100	QPSK	1	1	29.80						
100	QPSK	1	1	29.90						
100	QPSK	1	1	30.00						
100	QPSK	1	1	30.10						
100	QPSK	1	1	30.20						
100	QPSK	1	1	30.30						
100	QPSK	1	1	30.40						
100	QPSK	1	1	30.50						
100	QPSK	1	1	30.60						
100	QPSK	1	1	30.70						
100	QPSK	1	1	30.80						
100	QPSK	1	1	30.90						
100	QPSK	1	1	31.00						
100	QPSK	1	1	31.10						
100	QPSK	1	1	31.20						
100	QPSK	1	1	31.30						
100	QPSK	1	1	31.40						
100	QPSK	1	1	31.50						
100	QPSK	1	1	31.60						
100	QPSK	1	1	31.70						
100	QPSK	1	1	31.80						
100	QPSK	1	1	31.90						
100	QPSK	1	1	32.00						
100	QPSK	1	1	32.10						
100	QPSK	1	1	32.20						
100	QPSK	1	1	32.30						
100	QPSK	1	1	32.40						
100	QPSK	1	1	32.50						
100	QPSK	1	1	32.60						
100	QPSK	1	1	32.70						
100	QPSK	1	1	32.80						
100	QPSK	1	1	32.90						
100	QPSK	1	1	33.00						
100	QPSK	1	1	33.10						
100	QPSK	1	1	33.20						
100	QPSK	1	1	33.30						
100	QPSK	1	1	33.40						
100	QPSK	1	1	33.50						
100	QPSK	1	1	33.60						
100	QPSK	1	1	33.70						
100	QPSK	1	1	33.80						
100	QPSK	1	1	33.90						
100	QPSK	1	1	34.00						
100	QPSK	1	1	34.10						
100	QPSK	1	1	34.20						
100	QPSK	1	1	34.30						
100	QPSK	1	1	34.40						
100	QPSK	1	1	34.50						
100	QPSK	1	1	34.60						
100	QPSK	1	1	34.70						
100	QPSK	1	1	34.80						
100	QPSK	1	1	34.90						
100	QPSK	1	1	35.00						
100	QPSK	1	1	35.10						
100	QPSK	1	1	35.20						
100	QPSK	1	1	35.30						
100	QPSK	1	1	35.40						
100	QPSK	1	1	35.50						
100	QPSK	1	1	35.60						
100	QPSK	1	1	35.70						
100	QPSK	1	1	35.80						
100	QPSK	1	1	35.90						
100	QPSK	1	1	36.00						
100	QPSK	1	1	36.10						
100	QPSK	1	1	36.20						
100	QPSK	1	1	36.30						
100	QPSK	1	1	36.40						
100	QPSK	1	1	36.50						
100	QPSK	1	1	36.60						
100	QPSK	1	1	36.70						
100	QPSK	1	1	36.80						
100	QPSK	1	1	36.90						
100	QPSK	1	1	37.00						
100	QPSK	1	1	37.10						
100	QPSK	1	1	37.20						
100	QPSK	1	1	37.30						
100	QPSK	1	1	37.40						
100	QPSK	1	1	37.50						
100	QPSK	1	1	37.60						
100	QPSK	1	1	37.70						
100	QPSK	1	1	37.80						
100	QPSK	1	1	37.90						
100	QPSK	1	1	38.00						
100	QPSK	1	1	38.10						
100	QPSK	1	1	38.20						
100	QPSK	1	1	38.30						
100	QPSK	1	1	38.40						
100	QPSK	1	1	38.50						
100	QPSK	1	1	38.60						
100	QPSK	1	1	38.70						



Part27Q_n77_Ant 8									
Qty (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./F/Pre	Power Mask Ch./F/Pre	Power Vadj Ch./F/Pre	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	18.12					
100	QPSK	1	137	18.15			20.5	0.0	
100	QPSK	1	271	18.21					
100	QPSK	128	9	18.24					
100	QPSK	128	45	18.28			20.5	0.0	
100	QPSK	128	93	18.35					
100	QPSK	128	141	18.38			20.5	0.0	
100	QPSK	128	189	18.45					
100	QPSK	128	237	18.52			20.5	0.0	
100	QPSK	128	285	18.57			20.5	0.0	
100	QPSK	128	333	18.63			20.5	0.0	
100	QPSK	128	381	18.70			20.5	0.0	
100	QPSK	128	429	18.77			20.5	0.0	
100	QPSK	128	477	18.83			20.5	0.0	
100	QPSK	128	525	18.90			20.5	0.0	
100	QPSK	128	573	18.97			20.5	0.0	
100	QPSK	128	621	19.03			20.5	0.0	
100	QPSK	128	669	19.10			20.5	0.0	
100	QPSK	128	717	19.17			20.5	0.0	
100	QPSK	128	765	19.23			20.5	0.0	
100	QPSK	128	813	19.30			20.5	0.0	
100	QPSK	128	861	19.37			20.5	0.0	
100	QPSK	128	909	19.43			20.5	0.0	
100	QPSK	128	957	19.50			20.5	0.0	
100	QPSK	128	1005	19.57			20.5	0.0	
100	QPSK	128	1053	19.63			20.5	0.0	
100	QPSK	128	1101	19.70			20.5	0.0	
100	QPSK	128	1149	19.77			20.5	0.0	
100	QPSK	128	1197	19.83			20.5	0.0	
100	QPSK	128	1245	19.90			20.5	0.0	
100	QPSK	128	1293	19.97			20.5	0.0	
100	QPSK	128	1341	20.03			20.5	0.0	
100	QPSK	128	1389	20.10			20.5	0.0	
100	QPSK	128	1437	20.17			20.5	0.0	
100	QPSK	128	1485	20.23			20.5	0.0	
100	QPSK	128	1533	20.30			20.5	0.0	
100	QPSK	128	1581	20.37			20.5	0.0	
100	QPSK	128	1629	20.43			20.5	0.0	
100	QPSK	128	1677	20.50			20.5	0.0	
100	QPSK	128	1725	20.57			20.5	0.0	
100	QPSK	128	1773	20.63			20.5	0.0	
100	QPSK	128	1821	20.70			20.5	0.0	
100	QPSK	128	1869	20.77			20.5	0.0	
100	QPSK	128	1917	20.83			20.5	0.0	
100	QPSK	128	1965	20.90			20.5	0.0	
100	QPSK	128	2013	20.97			20.5	0.0	
100	QPSK	128	2061	21.03			20.5	0.0	
100	QPSK	128	2109	21.10			20.5	0.0	
100	QPSK	128	2157	21.17			20.5	0.0	
100	QPSK	128	2205	21.23			20.5	0.0	
100	QPSK	128	2253	21.30			20.5	0.0	
100	QPSK	128	2301	21.37			20.5	0.0	
100	QPSK	128	2349	21.43			20.5	0.0	
100	QPSK	128	2397	21.50			20.5	0.0	
100	QPSK	128	2445	21.57			20.5	0.0	
100	QPSK	128	2493	21.63			20.5	0.0	
100	QPSK	128	2541	21.70			20.5	0.0	
100	QPSK	128	2589	21.77			20.5	0.0	
100	QPSK	128	2637	21.83			20.5	0.0	
100	QPSK	128	2685	21.90			20.5	0.0	
100	QPSK	128	2733	21.97			20.5	0.0	
100	QPSK	128	2781	22.03			20.5	0.0	
100	QPSK	128	2829	22.10			20.5	0.0	
100	QPSK	128	2877	22.17			20.5	0.0	
100	QPSK	128	2925	22.23			20.5	0.0	
100	QPSK	128	2973	22.30			20.5	0.0	
100	QPSK	128	3021	22.37			20.5	0.0	
100	QPSK	128	3069	22.43			20.5	0.0	
100	QPSK	128	3117	22.50			20.5	0.0	
100	QPSK	128	3165	22.57			20.5	0.0	
100	QPSK	128	3213	22.63			20.5	0.0	
100	QPSK	128	3261	22.70			20.5	0.0	
100	QPSK	128	3309	22.77			20.5	0.0	
100	QPSK	128	3357	22.83			20.5	0.0	
100	QPSK	128	3405	22.90			20.5	0.0	
100	QPSK	128	3453	22.97			20.5	0.0	
100	QPSK	128	3501	23.03			20.5	0.0	
100	QPSK	128	3549	23.10			20.5	0.0	
100	QPSK	128	3597	23.17			20.5	0.0	
100	QPSK	128	3645	23.23			20.5	0.0	
100	QPSK	128	3693	23.30			20.5	0.0	
100	QPSK	128	3741	23.37			20.5	0.0	
100	QPSK	128	3789	23.43			20.5	0.0	
100	QPSK	128	3837	23.50			20.5	0.0	
100	QPSK	128	3885	23.57			20.5	0.0	
100	QPSK	128	3933	23.63			20.5	0.0	
100	QPSK	128	3981	23.70			20.5	0.0	
100	QPSK	128	4029	23.77			20.5	0.0	
100	QPSK	128	4077	23.83			20.5	0.0	
100	QPSK	128	4125	23.90			20.5	0.0	
100	QPSK	128	4173	23.97			20.5	0.0	
100	QPSK	128	4221	24.03			20.5	0.0	
100	QPSK	128	4269	24.10			20.5	0.0	
100	QPSK	128	4317	24.17			20.5	0.0	
100	QPSK	128	4365	24.23			20.5	0.0	
100	QPSK	128	4413	24.30			20.5	0.0	
100	QPSK	128	4461	24.37			20.5	0.0	
100	QPSK	128	4509	24.43			20.5	0.0	
100	QPSK	128	4557	24.50			20.5	0.0	
100	QPSK	128	4605	24.57			20.5	0.0	
100	QPSK	128	4653	24.63			20.5	0.0	
100	QPSK	128	4701	24.70			20.5	0.0	
100	QPSK	128	4749	24.77			20.5	0.0	
100	QPSK	128	4797	24.83			20.5	0.0	
100	QPSK	128	4845	24.90			20.5	0.0	
100	QPSK	128	4893	24.97			20.5	0.0	
100	QPSK	128	4941	25.03			20.5	0.0	
100	QPSK	128	4989	25.10			20.5	0.0	
100	QPSK	128	5037	25.17			20.5	0.0	
100	QPSK	128	5085	25.23			20.5	0.0	
100	QPSK	128	5133	25.30			20.5	0.0	
100	QPSK	128	5181	25.37			20.5	0.0	
100	QPSK	128	5229	25.43			20.5	0.0	
100	QPSK	128	5277	25.50			20.5	0.0	
100	QPSK	128	5325	25.57			20.5	0.0	
100	QPSK	128	5373	25.63			20.5	0.0	
100	QPSK	128	5421	25.70			20.5	0.0	
100	QPSK	128	5469	25.77			20.5	0.0	
100	QPSK	128	5517	25.83			20.5	0.0	
100	QPSK	128	5565	25.90			20.5	0.0	
100	QPSK	128	5613	25.97			20.5	0.0	
100	QPSK	128	5661	26.03			20.5	0.0	
100	QPSK	128	5709	26.10			20.5	0.0	
100	QPSK	128	5757	26.17			20.5	0.0	
100	QPSK	128	5805	26.23			20.5	0.0	
100	QPSK	128	5853	26.30			20.5	0.0	
100	QPSK	128	5901	26.37			20.5	0.0	
100	QPSK	128	5949	26.43			20.5	0.0	
100	QPSK	128	5997	26.50			20.5	0.0	
100	QPSK	128	6045	26.57			20.5	0.0	
100	QPSK	128	6093	26.63			20.5	0.0	
100	QPSK	128	6141	26.70			20.5	0.0	
100	QPSK	128	6189	26.77			20.5	0.0	
100	QPSK	128	6237	26.83			20.5	0.0	
100	QPSK	128	6285	26.90			20.5	0.0	
100	QPSK	128	6333	26.97			20.5	0.0	
100	QPSK	128	6381	27.03			20.5	0.0	
100	QPSK	128	6429	27.10			20.5	0.0	
100	QPSK	128	6477	27.17			20.5	0.0	
100	QPSK	128	6525	27.23			20.5	0.0	
100	QPSK	128	6573	27.30			20.5	0.0	
100	QPSK	128	6621	27.37			20.5	0.0	
100	QPSK	128	6669	27.43			20.5	0.0	
100	QPSK	128	6717	27.50			20.5	0.0	
100	QPSK	128	6765	27.57			20.5	0.0	
100	QPSK	128	6813	27.63			20.5	0.0	
100	QPSK	128	6861	27.70			20.5	0.0	
100	QPSK	128	6909	27.77			20.5	0.0	
100	QPSK	128	6957	27.83			20.5	0.0	
100	QPSK	128	7005	27.90			20.5	0.0	
100	QPSK	128	7053	27.97			20.5	0.0	
100	QPSK	128	7101	28.03			20.5	0.0	
100	QPSK	128	7149	28.10			20.5	0.0	
100	QPSK	128	7197	28.17			20.5	0.0	
100	QPSK	128	7245	28.23			20.5	0.0	
100	QPSK	128	7293	28.30			20.5	0.0	
100	QPSK	128	7341	28.37			20.5	0.0	
100	QPSK	128	7389	28.43			20.5	0.0	
100	QPSK	128	7437						



DSI 16 Power

n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power Min Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.93	20.07	20.00	19.93		
20	QPSK	1	53	20.40	20.50	20.37	20.45	21.5	0.0
20	QPSK	1	104	20.84	20.94	20.86	20.89		
20	QPSK	50	0	20.41	20.47	20.43	20.45	21.5	0.0
20	QPSK	50	28	20.40	20.50	20.40	20.45	21.5	0.0
20	QPSK	50	56	20.41	20.49	20.45	20.43		
20	QPSK	100	0	20.41	20.50	20.38	20.45	21.5	0.0
20	16QAM	1	1	20.44	20.50	20.46	20.45		
20	16QAM	1	1	20.45	20.50	20.38	20.45		
20	256QAM	1	1	19.95	19.93	19.88	19.93	20.0	4.5
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.40	20.51	20.36	20.45		
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.41	20.47	20.43	20.45		
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.42	20.40	20.37	20.45		

n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power Min Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.93	20.07	20.00	19.93		
20	QPSK	1	53	20.21	20.31	20.20	20.25	24.5	0.0
20	QPSK	1	104	20.63	20.76	20.66	20.69		
20	QPSK	50	0	20.32	20.32	20.28	20.35	23.5	1.0
20	QPSK	50	28	20.30	20.42	20.31	20.35	24.5	0.0
20	QPSK	50	56	20.29	20.32	20.24	20.24		
20	QPSK	100	0	20.29	20.32	20.24	20.24	23.5	1.0
20	16QAM	1	1	20.40	20.50	20.44	20.45		
20	16QAM	1	1	20.38	20.48	20.35	20.35	22.0	2.5
20	256QAM	1	1	19.90	19.94	19.48	19.48	20.0	4.5
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.21	20.46	20.24	20.24		
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.21	20.40	20.27	20.27		
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.20	20.41	20.21	20.21	24.5	0.0

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power Min Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.91	20.93	20.93	20.91		
20	QPSK	1	53	20.40	20.49	20.38	20.45	24.5	0.0
20	QPSK	1	104	20.87	20.91	20.88	20.89		
20	QPSK	50	0	20.30	20.35	20.28	20.35	23.5	1.0
20	QPSK	50	28	20.29	20.35	20.29	20.35	24.5	0.0
20	QPSK	50	56	20.29	20.33	20.24	20.24		
20	QPSK	100	0	20.29	20.33	20.22	20.25	23.5	1.0
20	16QAM	1	1	20.40	20.54	20.44	20.45		
20	16QAM	1	1	20.37	20.48	20.34	20.34	20.0	3.5
20	256QAM	1	1	19.73	19.86	19.77	19.77	20.0	4.5
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.21	20.36	20.27	20.27		
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.20	20.38	20.17	20.17		
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.20	20.34	20.20	20.20	24.5	0.0

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power Min Ch. Freq. (MHz)	Time-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.92	20.92	20.92	20.92		
20	QPSK	1	53	20.28	20.47	20.21	20.21	24.5	0.0
20	QPSK	1	104	20.86	20.88	20.88	20.88		
20	QPSK	50	0	20.03	20.21	20.08	20.08	23.5	1.0
20	QPSK	50	28	20.01	20.21	20.05	20.05	24.5	0.0
20	QPSK	50	56	20.00	20.06	20.00	20.00		
20	QPSK	100	0	20.04	20.20	20.00	20.00	23.5	1.0
20	16QAM	1	1	20.40	20.48	20.40	20.40		
20	16QAM	1	1	20.35	20.47	20.30	20.30	22.0	2.5
20	256QAM	1	1	19.81	19.80	19.70	19.70	20.0	4.5
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.20	20.36	20.24	20.24		
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.24	20.41	20.18	20.18		
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.20	20.40	20.18	20.18	24.5	0.0



n7_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Cl. Freq. (dBm)	Power Max. Cl. Freq. (dBm)	Power Min. Cl. Freq. (dBm)	Power Up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.5	23.23	23.5	23.5		
20	QPSK	1	53	20.18	20.28	20.24	21.0	0.0	
20	QPSK	1	104	20.48	20.58	20.54	21.0	0.0	
20	QPSK	50	0	20.15	20.25	20.21	21.0	0.0	
20	QPSK	50	50	20.15	20.25	20.21	21.0	0.0	
20	QPSK	100	0	20.20	20.30	20.26	21.0	0.0	
20	16QAM	1	1	20.20	20.20	20.20	21.0	0.0	
20	16QAM	1	1	20.25	20.25	20.24	21.0	0.0	
20	256QAM	1	1	19.21	19.24	19.22	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.73	20.73	20.73	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00	23.00	23.00	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.22	23.23	23.14	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.14	20.22	20.17	21.0	0.0	

n7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Cl. Freq. (dBm)	Power Max. Cl. Freq. (dBm)	Power Min. Cl. Freq. (dBm)	Power Up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.12	23.14	23.0			
20	QPSK	1	53	23.02	23.41	23.07	24.5	0.0	
20	QPSK	1	104	22.80	23.18	22.91	23.5	1.0	
20	QPSK	50	0	23.12	23.41	23.01	24.5	0.0	
20	QPSK	50	50	22.80	23.28	22.85	24.5	0.0	
20	QPSK	100	0	23.00	23.44	23.10	23.5	1.0	
20	16QAM	1	1	21.40	21.41	21.38	22.0	0.0	
20	16QAM	1	1	21.48	21.52	21.53	22.0	2.0	
20	256QAM	1	1	19.58	19.62	19.60	20.0	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.17	23.44	23.33	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.04	23.44	23.13	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.03	20.53	20.18	24.5	0.0	

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Cl. Freq. (dBm)	Power Max. Cl. Freq. (dBm)	Power Min. Cl. Freq. (dBm)	Power Up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.20	17.23	17.23			
20	QPSK	1	53	17.21	17.26	17.24	18.5	0.0	
20	QPSK	1	104	17.20	17.26	17.20	18.5	0.0	
20	QPSK	50	0	17.20	17.26	17.20	18.5	0.0	
20	QPSK	50	50	17.21	17.24	17.24	18.5	0.0	
20	QPSK	100	0	17.22	17.23	17.23	18.5	0.0	
20	16QAM	1	1	17.20	17.23	17.21	18.5	0.0	
20	16QAM	1	1	17.22	17.26	17.24	18.5	0.0	
20	256QAM	1	1	17.23	17.26	17.27	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.23	17.26	17.23	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.25	17.25	17.23	18.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.22	17.26	17.23	18.5	0.0	

n7_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Cl. Freq. (dBm)	Power Max. Cl. Freq. (dBm)	Power Min. Cl. Freq. (dBm)	Power Up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.72	16.75	16.75			
20	QPSK	1	53	16.73	17.10	17.02	18.0	0.0	
20	QPSK	1	104	16.71	17.08	17.04	18.0	0.0	
20	QPSK	50	0	16.76	17.13	17.09	18.0	0.0	
20	QPSK	50	50	16.75	17.13	17.07	18.0	0.0	
20	QPSK	100	0	16.71	17.10	17.08	18.0	0.0	
20	16QAM	1	1	16.71	17.08	17.02	18.0	0.0	
20	16QAM	1	1	16.73	17.08	17.01	18.0	0.0	
20	256QAM	1	1	16.76	17.07	17.07	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.71	17.08	17.02	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.77	17.07	17.05	18.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.72	17.08	17.01	18.0	0.0	

**n30_Ant 2**

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Min. Ch. / Freq. (dBm)	Power Max. Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Time-up Int. (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00					
10	QPSK	1	26	21.75				23.0	0.0
10	QPSK	1	50	21.50					
10	QPSK	25	0	21.74				23.0	0.0
10	QPSK	25	14	21.75				23.0	0.0
10	QPSK	25	27	21.71					
10	QPSK	50	0	21.72				23.0	0.0
10	16QAM	1	1	21.97				23.0	0.0
10	16QAM	1	1	20.75				22.0	1.0
10	256QAM	1	1	18.75				20.0	3.0

n30_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Min. Ch. / Freq. (dBm)	Power Max. Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Time-up Int. (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00					
10	QPSK	1	26	21.84				24.5	0.0
10	QPSK	1	50	21.81					
10	QPSK	25	0	21.50				23.5	1.0
10	QPSK	25	14	21.50				24.5	0.0
10	QPSK	25	27	21.24					
10	QPSK	50	0	21.31				23.5	1.0
10	16QAM	1	1	21.86				24.5	1.0
10	16QAM	1	1	21.01				22.0	2.5
10	256QAM	1	1	18.51				20.0	4.5

n66_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Min. Ch. / Freq. (dBm)	Power Max. Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Time-up Int. (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.73	22.73			
30	QPSK	1	80	22.05	22.28	22.21		23.5	0.0
30	QPSK	1	156	21.88	22.16	22.08			
30	QPSK	80	0	21.80	22.20	21.91		23.5	0.0
30	QPSK	80	40	21.05	22.38	22.10		23.5	0.0
30	QPSK	80	80	21.04	22.29	22.01		23.5	0.0
30	QPSK	160	0	22.12	22.21	22.17		23.5	0.0
30	16QAM	1	1	22.19	22.26	22.24		23.5	0.0
30	16QAM	1	1	21.00	21.37	21.15		22.0	1.5
30	256QAM	1	1	19.16	19.88	19.25		20.0	3.5
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.20	22.24	22.18		23.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.04	21.29	21.53		23.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.26	22.16		23.5	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.09	22.29	22.20		23.5	0.0

n66_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Level	Power Min. Ch. / Freq. (dBm)	Power Max. Ch. / Freq. (dBm)	Power High Ch. / Freq. (dBm)	Time-up Int. (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.74	22.74			
30	QPSK	1	80	22.02	22.26	22.23		24.5	0.0
30	QPSK	1	156	21.84	22.08	22.03			
30	QPSK	80	0	22.05	22.01	22.01		24.5	0.0
30	QPSK	80	40	22.05	22.41	22.40		24.5	0.0
30	QPSK	80	80	22.01	22.04	22.02		24.5	1.0
30	QPSK	160	0	22.28	22.30	22.18		23.5	1.0
30	16QAM	1	1	22.06	22.20	22.20		23.5	1.0
30	16QAM	1	1	21.04	21.14	20.96		22.0	2.5
30	256QAM	1	1	19.20	19.29	19.09		20.0	4.5
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.10	22.51	22.43		24.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.10	21.40	21.50		24.5	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.08	22.48	22.40		24.5	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.28	22.30	22.22		24.5	0.0



n66_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Time-up (ms)	MPE (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.25	17.45	17.65		
30	QPSK	1	80	18.40	18.53	18.47	19.5	0.0
30	QPSK	1	156	18.46	18.46	18.41		
30	QPSK	80	0	18.55	18.55	18.48	19.5	0.0
30	QPSK	80	40	18.55	18.55	18.50	19.5	0.0
30	QPSK	160	0	18.40	18.53	18.45	19.5	0.0
30	16QAM	1	1	18.46	18.46	18.46	19.5	0.0
30	16QAM	1	1	18.45	18.49	18.51	19.5	0.0
30	256QAM	1	1	18.43	18.58	18.49	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.40	18.54	18.40	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.15	17.45	17.25		
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.43	18.50	18.49		
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.43	18.50	18.47		

n66_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Time-up (ms)	MPE (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.33	22.50	22.33		
30	QPSK	1	80	23.30	23.49	23.29	24.5	0.0
30	QPSK	1	156	23.27	23.40	23.36		
30	QPSK	80	0	22.51	22.44	22.35	23.5	1.0
30	QPSK	80	40	22.30	22.43	22.30	24.5	0.0
30	QPSK	160	0	22.27	22.38	22.26	23.5	1.0
30	16QAM	1	1	22.41	22.36	22.36	24.5	0.0
30	16QAM	1	1	22.41	22.35	22.31	23.0	2.5
30	256QAM	1	1	19.80	19.92	19.78	20.0	4.5
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.37	21.44	21.35	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.33	23.41	23.21	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.35	23.32	23.35	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.30	23.37	23.30	24.5	0.0

n71_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Time-up (ms)	MPE (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.20	22.03	22.37		
30	QPSK	1	53	22.21	22.55	22.22	24.5	0.0
30	QPSK	1	104	22.22	22.24	22.20		
30	QPSK	50	0	22.25	22.38	22.25	23.5	1.0
30	QPSK	50	28	22.25	22.39	22.21	24.5	0.0
30	QPSK	100	0	22.22	22.31	22.22	23.5	1.0
30	16QAM	1	1	22.30	22.24	22.22	23.0	1.0
30	16QAM	1	1	22.17	22.30	22.12	22.0	3.5
30	256QAM	1	1	19.50	19.35	19.25	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.23	22.22	22.23	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.21	22.03	22.21	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.20	22.03	22.20	24.5	0.0

n71_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Power Level Ch./Frac. 340000	Time-up (ms)	MPE (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.12	22.43	22.11		
20	QPSK	1	53	22.11	22.42	22.10	24.5	0.0
20	QPSK	1	104	22.10	22.21	22.12		
20	QPSK	50	0	22.24	22.26	22.20	23.5	1.0
20	QPSK	50	28	22.15	22.21	22.15	24.5	0.0
20	QPSK	100	0	22.21	22.26	22.20	23.5	1.0
20	16QAM	1	1	22.21	22.19	22.21	23.0	1.0
20	16QAM	1	1	22.18	22.25	22.12	22.0	2.5
20	256QAM	1	1	18.51	18.88	18.50	20.0	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.10	22.00	22.10	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.03	22.13	22.01	24.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.00	22.14	22.00	24.5	0.0



n38_Ant 2											
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. (F/MHz)	Power Main Ch. (F/MHz)	Power Up Ch. (F/MHz)	Turn-up time (min)	SPR (dB)			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	0	18.12	18.12	18.12					
40	QPSK	1	33	18.12	18.20	18.17	18.5	0.0			
40	QPSK	1	66	18.12	18.24	18.18					
40	QPSK	30	0	18.12	18.14	18.12					
40	QPSK	30	33	18.12	18.22	18.19	18.0	0.0			
40	QPSK	30	66	18.12	18.18	18.15					
40	QPSK	100	0	18.12	18.17	18.15					
40	QPSK	100	33	18.12	18.20	18.18	24.0	0.0			
40	QPSK	100	66	18.12	18.18	18.15					
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
Channel											
Frequency (MHz)				5170.0	5170.0	5170.0					
30	QPSK	1	1	18.10	18.21	18.14	18.5	0.0			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	0	18.12	18.12	18.12					

n38_Ant 3											
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. (F/MHz)	Power Main Ch. (F/MHz)	Power Up Ch. (F/MHz)	Turn-up time (min)	SPR (dB)			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	1	18.12	18.23	18.24					
40	QPSK	1	33	18.12	18.32	18.18	24.0	0.0			
40	QPSK	1	66	18.12	18.24	18.20					
40	QPSK	30	0	18.12	18.14	18.14					
40	QPSK	30	33	18.12	18.22	18.18	24.0	0.0			
40	QPSK	30	66	18.12	18.18	18.15					
40	QPSK	100	0	18.12	18.16	18.16					
40	QPSK	100	33	18.12	18.20	18.18	24.0	0.0			
40	QPSK	100	66	18.12	18.18	18.15					
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
Channel											
Frequency (MHz)				5170.0	5170.0	5170.0					
30	QPSK	1	1	20.00	20.00	20.10	24.0	0.0			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	0	18.12	18.12	18.12					

n38_Ant 4											
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. (F/MHz)	Power Main Ch. (F/MHz)	Power Up Ch. (F/MHz)	Turn-up time (min)	SPR (dB)			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	1	18.12	18.12	18.12					
40	QPSK	1	33	18.12	18.26	18.27	18.0	0.0			
40	QPSK	1	66	18.12	18.24	18.24					
40	QPSK	30	0	18.12	18.18	18.21					
40	QPSK	30	33	18.12	18.22	18.21	18.0	0.0			
40	QPSK	30	66	18.12	18.18	18.20					
40	QPSK	100	0	18.12	18.16	18.16					
40	QPSK	100	33	18.12	18.20	18.20	18.0	0.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
Channel											
Frequency (MHz)				5170.0	5170.0	5170.0					
30	QPSK	1	1	18.10	18.26	18.24	18.0	0.0			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	0	18.12	18.12	18.12					

n38_Ant 8											
Site (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. (F/MHz)	Power Main Ch. (F/MHz)	Power Up Ch. (F/MHz)	Turn-up time (min)	SPR (dB)			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	1	18.12	18.12	18.12					
40	QPSK	1	33	18.12	18.26	18.26	18.0	0.0			
40	QPSK	1	66	18.12	18.24	18.24					
40	QPSK	30	0	18.12	18.18	18.28					
40	QPSK	30	33	18.12	18.22	18.28	18.0	0.0			
40	QPSK	30	66	18.12	18.18	18.21					
40	QPSK	100	0	18.12	18.16	18.16					
40	QPSK	100	33	18.12	18.20	18.20	18.0	0.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
40	SCDMA	1	1	21.45	21.15	21.40	2.0	2.0			
Channel											
Frequency (MHz)				5170.0	5170.0	5170.0					
30	QPSK	1	1	18.10	18.24	18.24	18.0	0.0			
Channel											
Frequency (MHz)				2490.0	2490.0	2490.0					
40	QPSK	1	0	18.12	18.12	18.12					



Part27Q_n77_Ant 6									
RFI (MHz)	Mobility	RF Size	RF Chaz	Power Line Ch / Freq	Power Mod Ch / Freq	Power Up Ch / Freq	Turn-up time (min)	RFI (dB)	RFI (dB)
Channel									
Frequency (MHz)									
100	CPSC	1	1	14.51	14.51	14.51			
100	CPSC	1	137	14.52	14.52	14.52	15.0	0.0	
100	CPSC	1	271	14.53	14.53	14.53			
100	CPSC	138	9	14.54	14.54	14.54			
100	CPSC	138	16	14.55	14.55	14.55	14.0	0.0	
100	CPSC	138	18	14.56	14.56	14.56			
100	CPSC	270	9	14.57	14.57	14.57	15.0	0.0	
100	CPSC	270	16	14.58	14.58	14.58	15.0	0.0	
100	SDCVM	1	1	14.59	14.59	14.59	15.0	0.0	
100	SDCVM	1	1	14.64	14.64	14.64	15.0	0.0	
100	SDCVM	1	1	14.69	14.69	14.69	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.27	14.27	14.27	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.28	14.28	14.28	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.29	14.29	14.29	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.32	14.32	14.32	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.34	14.34	14.34	15.0	0.0	

Part27Q_n77(HPUE)_Ant 6									
RFI (MHz)	Mobility	RF Size	RF Chaz	Power Line Ch / Freq	Power Mod Ch / Freq	Power Up Ch / Freq	Turn-up time (min)	RFI (dB)	RFI (dB)
Channel									
Frequency (MHz)									
100	CPSC	1	1	14.71	14.71	14.71			
100	CPSC	1	137	14.72	14.72	14.72	15.0	0.0	
100	CPSC	1	271	14.73	14.73	14.73			
100	CPSC	138	9	14.74	14.74	14.74			
100	CPSC	138	16	14.75	14.75	14.75	14.0	0.0	
100	CPSC	138	18	14.76	14.76	14.76			
100	CPSC	270	9	14.77	14.77	14.77	15.0	0.0	
100	CPSC	270	16	14.78	14.78	14.78	15.0	0.0	
100	SDCVM	1	1	14.79	14.79	14.79	15.0	0.0	
100	SDCVM	1	1	14.84	14.84	14.84	15.0	0.0	
100	SDCVM	1	1	14.89	14.89	14.89	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.27	14.27	14.27	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.28	14.28	14.28	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.29	14.29	14.29	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.32	14.32	14.32	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.34	14.34	14.34	15.0	0.0	

Part27O_n77_Ant 6									
RFI (MHz)	Mobility	RF Size	RF Chaz	Power Line Ch / Freq	Power Mod Ch / Freq	Power Up Ch / Freq	Turn-up time (min)	RFI (dB)	RFI (dB)
Channel									
Frequency (MHz)									
100	CPSC	1	1	14.51	14.51	14.51			
100	CPSC	1	137	14.51	14.51	14.51	15.0	0.0	
100	CPSC	1	271	14.52	14.52	14.52			
100	CPSC	138	9	14.52	14.52	14.52			
100	CPSC	138	16	14.53	14.53	14.53	14.0	0.0	
100	CPSC	138	18	14.54	14.54	14.54			
100	CPSC	270	9	14.55	14.55	14.55	15.0	0.0	
100	CPSC	270	16	14.56	14.56	14.56	15.0	0.0	
100	SDCVM	1	1	14.57	14.57	14.57	15.0	0.0	
100	SDCVM	1	1	14.64	14.64	14.64	15.0	0.0	
100	SDCVM	1	1	14.69	14.69	14.69	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.27	14.27	14.27	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.28	14.28	14.28	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.29	14.29	14.29	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.34	14.34	14.34	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.36	14.36	14.36	15.0	0.0	

Part27O_n77(HPUE)_Ant 6									
RFI (MHz)	Mobility	RF Size	RF Chaz	Power Line Ch / Freq	Power Mod Ch / Freq	Power Up Ch / Freq	Turn-up time (min)	RFI (dB)	RFI (dB)
Channel									
Frequency (MHz)									
100	CPSC	1	1	14.51	14.51	14.51			
100	CPSC	1	137	14.51	14.51	14.51	15.0	0.0	
100	CPSC	1	271	14.52	14.52	14.52			
100	CPSC	138	9	14.52	14.52	14.52			
100	CPSC	138	16	14.53	14.53	14.53	14.0	0.0	
100	CPSC	138	18	14.54	14.54	14.54			
100	CPSC	270	9	14.55	14.55	14.55	15.0	0.0	
100	CPSC	270	16	14.56	14.56	14.56	15.0	0.0	
100	SDCVM	1	1	14.57	14.57	14.57	15.0	0.0	
100	SDCVM	1	1	14.64	14.64	14.64	15.0	0.0	
100	SDCVM	1	1	14.69	14.69	14.69	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.27	14.27	14.27	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.28	14.28	14.28	15.0	0.0	
Channel									
Frequency (MHz)									
80	CPSC	1	1	14.29	14.29	14.29	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.34	14.34	14.34	15.0	0.0	
Channel									
Frequency (MHz)									
30	CPSC	1	1	14.36	14.36	14.36	15.0	0.0	



Part27Q_n77_Ant 8									
SV (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Max Ch. F.Freq.	Power Pwr Ch. F.Freq.	Temp. up (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	17.20					
100	QPSK	1	1	17.20			18.5	0.0	
100	QPSK	1	2	17.20					
100	QPSK	100	0	17.20					
100	QPSK	100	16	17.20			18.4	4.0	
100	QPSK	100	16	17.20					
100	QPSK	270	0	17.20			18.5	0.0	
100	QPSK	270	0	17.20			18.5	0.0	
100	SSB4M	1	1	17.20			18.5	0.0	
100	SSB4M	1	1	17.20			18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
SV (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Max Ch. F.Freq.	Power Pwr Ch. F.Freq.	Temp. up (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	17.20					
100	QPSK	1	1	17.20			18.5	0.0	
100	QPSK	1	2	17.20					
100	QPSK	100	0	17.20					
100	QPSK	100	16	17.20			18.4	4.0	
100	QPSK	100	16	17.20					
100	QPSK	270	0	17.20			18.5	0.0	
100	QPSK	270	0	17.20			18.5	0.0	
100	SSB4M	1	1	17.20			18.5	0.0	
100	SSB4M	1	1	17.20			18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.80	16.80	16.80	18.5	0.0	

Part27O_n77_Ant 8									
SV (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Max Ch. F.Freq.	Power Pwr Ch. F.Freq.	Temp. up (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	17.20	17.20	17.20			
100	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
100	QPSK	1	2	17.20	17.20	17.20			
100	QPSK	100	0	17.20	17.20	17.20			
100	QPSK	100	16	17.20	17.20	17.20	18.4	4.0	
100	QPSK	100	16	17.20	17.20	17.20			
100	QPSK	270	0	17.20	17.20	17.20	18.5	0.0	
100	QPSK	270	0	17.20	17.20	17.20	18.5	0.0	
100	SSB4M	1	1	17.20	17.20	17.20	18.5	0.0	
100	SSB4M	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	

Part27O_n77(HPUE)_Ant 8									
SV (MHz)	Modulation	RB Size	RB Chan	Power Line Ch. F.Freq.	Power Max Ch. F.Freq.	Power Pwr Ch. F.Freq.	Temp. up (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	17.20	17.20	17.20			
100	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
100	QPSK	1	2	17.20	17.20	17.20			
100	QPSK	100	0	17.20	17.20	17.20			
100	QPSK	100	16	17.20	17.20	17.20	18.4	4.0	
100	QPSK	100	16	17.20	17.20	17.20			
100	QPSK	270	0	17.20	17.20	17.20	18.5	0.0	
100	QPSK	270	0	17.20	17.20	17.20	18.5	0.0	
100	SSB4M	1	1	17.20	17.20	17.20	18.5	0.0	
100	SSB4M	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.20	17.20	17.20	18.5	0.0	



DSI 13 Power

n2_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	MPE (dB)
20	QPSK	1	1	22.22	22.22	22.22	0.0
20	QPSK	1	33	22.22	22.22	22.21	0.0
20	QPSK	1	104	22.22	22.22	22.19	0.0
20	QPSK	50	0	22.12	22.22	22.12	0.0
20	QPSK	50	28	22.12	22.22	22.22	0.0
20	QPSK	50	56	22.12	22.22	22.22	0.0
20	QPSK	100	0	22.22	22.21	22.21	0.0
20	16QAM	1	1	22.22	22.22	22.21	0.0
20	16QAM	1	1	20.72	20.72	20.71	1.5
20	256QAM	1	1	18.72	18.72	18.72	3.5
Channel							
15	QPSK	1	1	19.72	19.72	19.72	0.0
Channel							
15	QPSK	1	33	19.72	19.72	19.71	0.0
Channel							
15	QPSK	1	104	19.72	19.72	19.69	0.0
Channel							
15	QPSK	50	0	19.62	19.72	19.62	0.0
15	QPSK	50	28	19.62	19.72	19.72	0.0
15	QPSK	50	56	19.62	19.72	19.72	0.0
15	QPSK	100	0	19.72	19.71	19.71	0.0
15	16QAM	1	1	19.72	19.72	19.71	0.0
15	16QAM	1	1	18.22	18.22	18.21	1.5
15	256QAM	1	1	16.22	16.22	16.22	4.5

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	MPE (dB)
20	QPSK	1	1	22.52	22.52	22.52	0.0
20	QPSK	1	33	22.40	22.49	22.38	24.5
20	QPSK	1	104	22.27	22.11	22.26	0.0
20	QPSK	50	0	22.20	22.22	22.22	0.0
20	QPSK	50	28	22.12	22.22	22.22	0.0
20	QPSK	50	56	22.12	22.22	22.22	0.0
20	QPSK	100	0	22.20	22.18	22.20	0.0
20	16QAM	1	1	21.22	21.22	21.22	1.0
20	16QAM	1	1	20.72	20.72	20.72	2.5
20	256QAM	1	1	18.72	18.72	18.72	4.5
Channel							
10	QPSK	1	1	22.22	22.22	22.22	0.0
Channel							
10	QPSK	1	33	22.22	22.22	22.21	0.0
Channel							
10	QPSK	1	104	22.22	22.22	22.19	0.0
Channel							
10	QPSK	50	0	22.12	22.22	22.12	0.0
10	QPSK	50	28	22.12	22.22	22.22	0.0
10	QPSK	50	56	22.12	22.22	22.22	0.0
10	QPSK	100	0	22.22	22.21	22.21	0.0
10	16QAM	1	1	21.22	21.22	21.22	1.0
10	16QAM	1	1	20.72	20.72	20.72	2.5
10	256QAM	1	1	18.72	18.72	18.72	4.5

n7_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	MPE (dB)
20	QPSK	1	1	22.12	22.12	22.12	0.0
20	QPSK	1	33	22.00	22.02	21.90	21.0
20	QPSK	1	104	21.88	21.72	21.88	0.0
20	QPSK	50	0	21.80	21.82	21.82	0.0
20	QPSK	50	28	21.72	21.82	21.82	0.0
20	QPSK	50	56	21.72	21.82	21.82	0.0
20	QPSK	100	0	21.82	21.80	21.82	0.0
20	16QAM	1	1	21.82	21.82	21.81	0.0
20	16QAM	1	1	20.32	20.32	20.31	1.0
20	256QAM	1	1	18.32	18.32	18.32	4.0
Channel							
15	QPSK	1	1	21.12	21.12	21.12	0.0
Channel							
15	QPSK	1	33	21.00	21.02	20.90	21.0
Channel							
15	QPSK	1	104	20.88	20.72	20.88	0.0
Channel							
15	QPSK	50	0	20.80	20.82	20.82	0.0
15	QPSK	50	28	20.72	20.82	20.82	0.0
15	QPSK	50	56	20.72	20.82	20.82	0.0
15	QPSK	100	0	20.82	20.80	20.82	0.0
15	16QAM	1	1	20.82	20.82	20.81	0.0
15	16QAM	1	1	19.32	19.32	19.31	1.0
15	256QAM	1	1	17.32	17.32	17.32	4.0

n12_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power (dBm)	Power Middle Ch. Power (dBm)	Power High Ch. Power (dBm)	MPE (dB)
15	QPSK	1	1	22.42	22.42	22.42	0.0
15	QPSK	1	33	22.28	22.41	22.24	24.5
15	QPSK	1	104	22.15	22.00	22.20	0.0
15	QPSK	50	0	22.08	22.12	22.12	0.0
15	QPSK	50	28	22.00	22.12	22.12	0.0
15	QPSK	50	56	22.00	22.12	22.12	0.0
15	QPSK	100	0	22.12	22.10	22.12	0.0
15	16QAM	1	1	21.12	21.12	21.11	1.0
15	16QAM	1	1	20.62	20.62	20.61	1.5
15	256QAM	1	1	18.62	18.62	18.62	4.5
Channel							
10	QPSK	1	1	22.12	22.12	22.12	0.0
Channel							
10	QPSK	1	33	22.12	22.12	22.11	0.0
Channel							
10	QPSK	1	104	22.12	22.12	22.09	0.0
Channel							
10	QPSK	50	0	22.02	22.12	22.02	0.0
10	QPSK	50	28	22.02	22.12	22.12	0.0
10	QPSK	50	56	22.02	22.12	22.12	0.0
10	QPSK	100	0	22.12	22.11	22.11	0.0
10	16QAM	1	1	21.12	21.12	21.11	1.0
10	16QAM	1	1	20.62	20.62	20.61	1.5
10	256QAM	1	1	18.62	18.62	18.62	4.5



n25_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	MFR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.21	22.25	22.17	23.5
20	QPSK	1	33	22.21	22.44	22.27	23.5
20	QPSK	1	104	22.25	22.46	22.11	23.5
20	QPSK	50	5	22.28	22.38	22.11	23.5
20	QPSK	50	28	22.21	22.45	22.11	23.5
20	QPSK	50	55	22.18	22.37	22.06	23.5
20	QPSK	100	8	22.21	22.42	22.06	23.5
20	16QAM	1	1	22.21	22.44	22.06	23.5
20	16QAM	1	1	22.24	22.37	22.07	23.5
20	256QAM	1	1	22.21	22.46	22.06	23.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.43	18.53	18.50	20.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.93	18.03	18.00	20.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.22	22.44	22.06	23.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.21	22.46	22.06	23.5

n30_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	MFR (dB)
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.10			
10	QPSK	1	28	23.45			24.5
10	QPSK	1	10	23.63			
10	QPSK	50	5	22.75			23.5
10	QPSK	50	14	22.80			24.5
10	QPSK	50	27	22.49			24.5
10	QPSK	50	0	22.38			24.5
10	16QAM	1	1	23.14			24.5
10	16QAM	1	1	23.28			23.0
10	256QAM	1	1	23.18			23.0

n66_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	MFR (dB)
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.11	22.15	22.00	23.0
30	QPSK	1	80	22.08	22.09	22.00	23.0
30	QPSK	1	166	22.06	22.14	22.00	23.0
30	QPSK	50	5	22.08	22.08	21.98	23.0
30	QPSK	50	40	22.00	22.13	21.94	23.0
30	QPSK	50	90	21.99	22.07	21.94	23.0
30	QPSK	100	8	21.95	22.03	21.93	23.0
30	16QAM	1	1	22.06	22.06	22.00	23.0
30	16QAM	1	1	21.98	21.73	21.67	22.0
30	256QAM	1	1	22.10	22.10	22.00	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.91	17.91	17.91	19.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.05	22.11	22.00	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.08	22.07	22.07	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.06	22.06	21.99	23.0

n71_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Power (dBm)	MFR (dB)
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.21	22.25	22.17	24.5
20	QPSK	1	33	22.21	22.44	22.27	24.5
20	QPSK	1	104	22.25	22.46	22.11	24.5
20	QPSK	50	5	22.28	22.38	22.11	24.5
20	QPSK	50	28	22.21	22.45	22.11	24.5
20	QPSK	50	55	22.18	22.37	22.06	24.5
20	QPSK	100	8	22.21	22.42	22.06	24.5
20	16QAM	1	1	22.21	22.44	22.06	24.5
20	16QAM	1	1	22.24	22.37	22.07	24.5
20	256QAM	1	1	22.21	22.46	22.06	24.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.43	18.53	18.50	20.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.93	18.03	18.00	20.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.22	22.44	22.06	24.5
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.21	22.46	22.06	24.5



DSI 14 Power

n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.25	22.34	22.43			
20	QPSK	1	33	22.22	22.28	22.31	23.5	0.0	
20	QPSK	1	104	22.20	22.30	22.10			
20	QPSK	50	0	22.18	22.25	22.15	23.0	0.0	
20	QPSK	50	36	22.24	22.33	22.22	23.5	0.0	
20	QPSK	50	66	22.24	22.33	22.25	23.5	0.0	
20	QPSK	150	0	22.24	22.31	22.21	23.5	0.0	
20	64QAM	1	1	22.25	22.34	22.20	23.5	0.0	
20	64QAM	1	1	20.70	20.75	20.71	22.0	1.5	
20	256QAM	1	1	18.70	18.74	18.76	20.0	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.70	18.70	18.69	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	1	18.75	18.75	18.75	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.70	18.70	18.70	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	22.25	22.31	22.25	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.21	22.31	22.28	23.5	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.24	22.25	22.25			
20	QPSK	1	33	22.40	22.49	22.38	24.5	0.0	
20	QPSK	1	104	22.27	22.11	22.26			
20	QPSK	50	0	22.30	22.35	22.28	23.5	1.0	
20	QPSK	50	36	22.24	22.33	22.22	24.5	0.0	
20	QPSK	50	66	21.28	22.13	21.08	23.5	1.0	
20	QPSK	150	0	22.28	22.18	22.22	23.5	1.0	
20	64QAM	1	1	21.25	21.34	21.24	23.5	1.0	
20	64QAM	1	1	20.72	20.80	20.80	22.0	2.5	
20	256QAM	1	1	18.72	18.76	18.77	20.0	4.5	
Channel									
Frequency (MHz)									
14	QPSK	1	1	18.70	18.70	18.69	Turn-up time (dBm)	MPR (dB)	
14	QPSK	1	1	22.21	22.30	22.20	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.25	20.38	20.17	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.20	23.34	23.28	24.5	0.0	

n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.20	19.20	19.20			
30	QPSK	1	33	19.68	20.23	19.58	21.0	0.0	
30	QPSK	1	104	19.20	20.00	19.20			
30	QPSK	50	0	19.54	20.17	19.51	21.0	0.0	
30	QPSK	50	36	19.50	20.20	19.50	21.0	0.0	
30	QPSK	50	66	19.50	20.10	19.45	21.0	0.0	
30	QPSK	150	0	19.50	20.20	19.42	21.0	0.0	
30	64QAM	1	1	19.24	20.00	19.20	21.0	0.0	
30	64QAM	1	1	19.03	20.15	19.47	21.0	0.0	
30	256QAM	1	1	18.25	19.30	18.42	21.0	1.0	
Channel									
Frequency (MHz)									
14	QPSK	1	1	18.20	18.20	18.20	Turn-up time (dBm)	MPR (dB)	
14	QPSK	1	1	22.20	22.17	22.13	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.80	20.16	19.50	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.07	20.20	19.40	23.0	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.10	21.05	21.15			
15	QPSK	1	40	23.28	23.43	23.34	24.5	0.0	
15	QPSK	1	77	22.30	23.48	22.20			
15	QPSK	36	0	22.34	22.45	22.28	23.5	1.0	
15	QPSK	36	26	22.22	22.35	22.14	23.5	0.0	
15	QPSK	36	44	22.22	22.21	22.14	23.5	1.0	
15	QPSK	75	0	22.30	22.42	22.27	23.5	1.0	
15	64QAM	1	1	22.13	22.20	22.11	23.5	1.0	
15	64QAM	1	1	21.06	21.18	21.02	22.0	2.5	
15	256QAM	1	1	18.42	18.37	18.37	21.0	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.50	18.50	18.50	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	1	22.52	22.39	22.43	24.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.20	23.40	23.50	24.5	0.0	



n25_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.21	22.26	22.31			
20	QPSK	1	33	22.16	22.44	22.67	23.5	0.0	
20	QPSK	1	104	22.20	22.40	22.11			
20	QPSK	50	0	22.08	22.38	22.11	23.5	0.0	
20	QPSK	50	20	22.16	22.40	22.16	23.5	0.0	
20	QPSK	50	56	22.16	22.37	22.08	23.5	0.0	
20	QPSK	100	0	22.19	22.42	22.06	23.5	0.0	
20	64QAM	1	1	22.25	22.44	22.06	22.0	1.5	
20	64QAM	1	1	22.04	22.37	22.17	22.0	1.5	
20	256QAM	1	1	22.02	22.36	22.15	22.0	2.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	31.50	31.50	31.50	Time-up time (dB)	MPR (dB)	
15	QPSK	1	1	31.53	31.53	31.53	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	32.21	32.44	32.06	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	32.21	32.46	32.08	23.5	0.0	

n30_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.00					
10	QPSK	1	20	23.45			24.5	0.0	
10	QPSK	1	30	23.53					
10	QPSK	50	0	22.70			23.5	1.0	
10	QPSK	50	14	22.80			23.5	0.0	
10	QPSK	50	22	22.40			23.5	1.0	
10	QPSK	50	0	22.36			23.5	1.0	
10	16QAM	1	1	22.14			23.5	1.0	
10	64QAM	1	1	22.28			22.0	2.5	
10	256QAM	1	1	22.30			22.0	4.5	

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.10	21.14	21.18			
30	QPSK	1	80	22.08	22.09	22.00	23.0	0.0	
30	QPSK	1	164	22.06	22.14	22.00			
30	QPSK	50	0	22.06	22.08	21.98	23.0	0.0	
30	QPSK	50	46	22.06	22.10	22.00	23.0	0.0	
30	QPSK	50	92	21.09	22.07	21.94	23.0	0.0	
30	QPSK	100	0	21.96	22.03	21.83	23.0	0.0	
30	16QAM	1	1	22.06	22.12	22.00	23.0	0.0	
30	64QAM	1	1	21.99	21.13	21.87	22.0	1.0	
30	256QAM	1	1	21.73	21.93	21.70	22.0	1.5	
Channel									
Frequency (MHz)									
20	QPSK	1	1	34.00	34.00	34.00	Time-up time (dB)	MPR (dB)	
20	QPSK	1	1	34.00	34.00	34.00	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.00	22.11	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	34.00	34.00	34.00	Time-up time (dB)	MPR (dB)	
10	QPSK	1	1	34.00	34.00	34.00	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.08	22.08	21.99	23.0	0.0	

n71_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.14	21.05	21.05			
20	QPSK	1	51	22.21	21.55	21.22	24.5	0.0	
20	QPSK	1	104	22.02	21.35	21.08			
20	QPSK	50	0	22.23	22.38	22.20	23.5	1.0	
20	QPSK	50	26	22.23	22.38	22.20	23.5	0.0	
20	QPSK	50	56	22.05	22.20	22.23	23.5	1.0	
20	QPSK	100	0	22.22	22.21	22.22	23.5	1.0	
20	16QAM	1	1	22.10	22.18	22.12	22.0	1.0	
20	64QAM	1	1	22.12	22.00	22.12	22.0	2.0	
20	256QAM	1	1	22.02	21.90	22.00	22.0	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	34.00	34.00	34.00	Time-up time (dB)	MPR (dB)	
15	QPSK	1	1	34.00	34.00	34.00	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	33.00	33.00	33.00	Time-up time (dB)	MPR (dB)	
10	QPSK	1	1	33.00	33.00	33.00	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.02	22.00	22.08	24.5	0.0	



Full Power

BT BR/EDR_Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	16.10	16.10	16.20	13.00	13.00	13.10	12.90	12.90	13.00	18.00
	CH 39	2441	16.50	16.50	16.60	13.20	13.20	13.30	13.10	13.10	13.20	18.00
	CH 78	2480	16.60	16.60	16.70	13.50	13.50	13.60	13.40	13.40	13.50	18.00

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	12.90
	CH 19	2440	12.80
	CH 39	2480	11.80
	Tune-up Limit		13.50

BLE

Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	125kbps	500kbps
LE	CH 00	2402	12.50	12.40	12.40	12.40
	CH 19	2440	12.80	12.50	12.50	12.50
	CH 39	2480	11.60	11.50	11.50	11.50
	Tune-up Limit		13.50	13.50	13.50	13.50

Power Level 1

BT BR/EDR_Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	7.80	7.80	8.00	4.50	4.50	4.60	4.40	4.40	4.50	9.50
	CH 39	2441	7.50	7.50	7.70	4.10	4.10	4.20	4.00	4.00	4.10	9.50
	CH 78	2480	8.20	8.20	8.30	5.30	5.30	5.40	5.20	5.20	5.30	9.50

BLE_1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	1.40
	CH 19	2440	1.10
	CH 39	2480	1.40
	Tune-up Limit		3.00

BLE

Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	2Mbps	125kbps	500kbps
LE	CH 00	2402	1.40	1.30	1.30	1.30
	CH 19	2440	1.10	1.00	1.00	1.00
	CH 39	2480	1.40	1.30	1.30	1.30
	Tune-up Limit		3.00	3.00	3.00	3.00

Full Power

BT BR/EDR_Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	12.00	12.00	12.10	10.10	10.10	10.20	10.20	10.20	10.30	14.00
	CH 39	2441	12.50	12.50	12.60	10.20	10.20	10.30	10.30	10.30	10.40	14.00
	CH 78	2480	11.20	11.20	12.00	8.90	8.90	9.00	9.00	9.00	9.10	14.00

Power Level 1

BT BR/EDR_Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	10.80	10.80	10.90	8.10	8.10	8.20	8.10	8.10	8.20	12.00
	CH 39	2441	10.80	10.80	11.00	8.60	8.60	8.70	8.50	8.50	8.60	12.00
	CH 78	2480	10.90	10.90	11.00	8.20	8.20	8.30	8.20	8.20	8.30	12.00



WLAN 2.4GHz FCC

Table with 21 columns: Mode, Channel, Frequency (MHz), RU Config, Average power (dBm), Tune-Up Limit, and 15 columns for Antennas (Ant 5, Ant 6, Ant 5+6) under Head Power Level 1 and Head Power Level 2.

Table with 21 columns: Mode, Channel, Frequency (MHz), Frequency (MHz), Average power (dBm), Tune-Up Limit, and 15 columns for Antennas (Ant 5, Ant 6, Ant 5+6) under Head Power Level 1 and Head Power Level 2.

Table with 21 columns: Mode, Channel, Frequency (MHz), Frequency (MHz), Average power (dBm), Tune-Up Limit, and 15 columns for Antennas (Ant 5, Ant 6, Ant 5+6) under Head Power Level 1 and Head Power Level 2.



5.5GHz WLAN					Default						Head Power Level 1						Head Power Level 2					
Mode	Channel	Frequency (MHz)	Frequency (MHz)	Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Full	16.17	18.00	16.25	18.00	16.23	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	116	5580	Full	16.05	18.00	16.18	18.00	16.12	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	124	5620	Full	16.03	18.00	16.12	18.00	16.09	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	132	5660	Full	16.02	18.00	16.15	18.00	16.10	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	140	5700	Full	16.10	18.00	16.26	18.00	16.15	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	144	5720	Full	16.12	18.00	16.26	18.00	16.21	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	100	5500	Full	16.04	18.00	16.23	18.00	16.15	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	116	5580	Full	16.05	18.00	16.19	18.00	16.13	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	124	5620	Full	16.02	18.00	16.12	18.00	16.08	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	132	5660	Full	16.00	18.00	16.17	18.00	16.10	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
140	5700	Full	15.08	17.00	15.15	17.00	15.13	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
144	5720	Full	16.54	18.00	16.69	18.00	16.63	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
802.11n-HT40 MCS0	102	5510	Full	16.18	18.00	16.63	18.00	16.42	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	110	5550	Full	16.03	18.00	16.64	18.00	16.36	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	126	5630	Full	16.02	18.00	16.28	18.00	16.16	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	134	5670	Full	16.06	18.00	16.57	18.00	16.33	21.00	Not Required	Not Required	Not Required	13.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required		
142	5710	Full	16.25	18.00	16.34	18.00	16.31	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
802.11ac-VHT20 MCS0	100	5500	Full	16.04	18.00	16.20	18.00	16.13	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	116	5580	Full	16.02	18.00	16.13	18.00	16.09	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	124	5620	Full	16.00	18.00	16.08	18.00	16.05	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	132	5660	Full	16.00	18.00	16.10	18.00	16.06	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
140	5700	Full	15.05	17.00	15.10	17.00	15.09	19.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
144	5720	Full	16.50	18.00	16.62	18.00	16.57	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
802.11ac-VHT40 MCS0	102	5510	Full	16.14	18.00	16.57	18.00	16.37	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	110	5550	Full	16.01	18.00	16.60	18.00	16.33	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	126	5630	Full	16.00	18.00	16.25	18.00	16.14	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	134	5670	Full	16.03	18.00	16.51	18.00	16.29	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
142	5710	Full	16.21	18.00	16.29	18.00	16.26	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
802.11ac-VHT80 MCS0	106	5530	Full	15.27	17.00	15.46	17.00	15.38	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	122	5610	Full	15.02	17.00	15.29	17.00	15.17	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	138	5690	Full	15.63	17.00	15.57	17.00	15.61	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
	114	5570	Full	14.82	16.50	14.66	16.50	14.75	19.50	8.36	10.00	8.11	10.00	11.25	13.00	5.38	7.00	5.17	7.00	8.29	10.00	
802.11ax-HE20 MCS0	100	5500	Full	16.09	18.00	16.33	18.00	16.22	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
			26/8	8.16	9.00	7.49	9.00	10.65	12.00	9.00	9.00	12.00	7.00	7.00	7.00	10.00	10.00	10.00				
			52/37	10.67	12.00	10.41	12.00	13.55	15.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
			106/53	13.90	15.00	13.95	15.00	16.94	18.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
	116	5580	Full	16.07	18.00	16.27	18.00	16.18	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
			26/8	8.41	10.00	8.67	10.00	11.55	13.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
			52/40	11.16	13.00	11.74	13.00	14.47	16.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
			106/54	14.10	16.00	14.26	16.00	17.19	19.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
	140	5700	Full	16.13	17.00	15.19	17.00	16.17	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00		
			26/8	8.41	10.00	8.67	10.00	11.55	13.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
			52/40	11.16	13.00	11.60	13.00	14.38	16.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
			106/54	14.13	16.00	14.35	16.00	17.25	19.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
144	5720	Full	16.13	17.00	15.19	17.00	16.17	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00	10.00			
		26/8	7.89	9.00	8.62	9.00	11.28	12.00	Not Required	Not Required	Not Required	13.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required				
		52/40	11.12	13.00	11.60	13.00	14.38	16.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00					
		106/54	14.13	16.00	14.35	16.00	17.25	19.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00					
802.11ax-HE40 MCS0	102	5510	Full	16.25	18.00	16.72	18.00	16.50	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
	110	5550	Full	16.11	18.00	16.73	18.00	16.44	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
	126	5630	Full	16.08	18.00	16.38	18.00	16.24	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
	134	5670	Full	16.13	18.00	16.66	18.00	16.41	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
142	5710	Full	16.34	18.00	16.42	18.00	16.39	21.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00				
802.11ax-HE80 MCS0	106	5530	Full	15.34	17.00	15.53	17.00	15.45	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
	122	5610	Full	15.07	17.00	15.36	17.00	15.23	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
	138	5690	Full	15.73	17.00	15.63	17.00	15.69	20.00	10.00	10.00	10.00	13.00	7.00	7.00	7.00	10.00	10.00	10.00			
	114	5570	Full	14.68	16.50	14.70	16.50	14.70	19.50	10.00	10.00	1										



WLAN 2.4GHz FCC

Table with columns: Mode, Channel, Frequency (MHz), RU Config, and performance metrics (Average power, Tune-Up Limit) for Ant 5, Ant 6, Ant 5+6, Ant 5, Ant 6, Ant 5+6, Ant 5, Ant 6, Ant 5+6. Includes rows for 802.11b, 802.11g, 802.11n-HT20, 802.11n-HT40, 802.11ac-VHT20, 802.11ac-VHT40, and 802.11ax-HE20/HE40 MCS0.

Table with columns: Mode, Channel, Frequency (MHz), Frequency (MHz), and performance metrics (Average power, Tune-Up Limit) for Ant 5, Ant 6, Ant 5+6, Ant 5, Ant 6, Ant 5+6, Ant 5, Ant 6, Ant 5+6. Includes rows for 802.11a, 802.11n-HT20, 802.11n-HT40, 802.11ac-VHT20, 802.11ac-VHT40, 802.11ac-VHT80, and 802.11ax-HE20/HE40/HE80 MCS0.

Table with columns: Mode, Channel, Frequency (MHz), Frequency (MHz), and performance metrics (Average power, Tune-Up Limit) for Ant 5, Ant 6, Ant 5+6, Ant 5, Ant 6, Ant 5+6, Ant 5, Ant 6, Ant 5+6. Includes rows for 802.11a, 802.11n-HT20, 802.11n-HT40, 802.11ac-VHT20, 802.11ac-VHT40, 802.11ac-VHT80, and 802.11ax-HE20/HE40/HE80/HE160 MCS0.



5.5GHz WLAN				Body-worn&Handheld Power Level 1						Body-worn&Handheld Power Level 2						Body-worn&Handheld Power Level 3						Duty Cycle %		
Mode	Channel	Frequency (MHz)	Frequency (MHz)	Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6				
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	100	5500	Full	15.76	17.50	15.77	17.50	16.78	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50	99.44		
	116	5580	Full	15.63	17.50	15.68	17.50	16.67	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50			
	124	5620	Full	15.58	17.50	15.98	17.50	16.63	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50			
	132	5660	Full	15.59	17.50	15.98	17.50	16.65	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		17.50	
	140	5700	Full	15.64	17.50	15.71	17.50	16.69	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		17.50	
	144	5720	Full	15.66	17.50	15.77	17.50	16.73	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		17.50	
	802.11n-HT20 MCS0	100	5500	Full	15.60	17.50	15.76	17.50	16.69	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		14.50	17.50
		116	5580	Full	15.61	17.50	15.72	17.50	16.68	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		14.50	17.50
		124	5620	Full	15.57	17.50	15.66	17.50	16.63	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		14.50	17.50
		132	5660	Full	15.56	17.50	15.69	17.50	16.64	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		14.50	17.50
		140	5700	Full	15.08	17.00	15.15	17.00	16.13	20.00	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		14.50	17.50
		144	5720	Full	16.06	17.50	16.20	17.50	19.14	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50		14.50	17.50
802.11n-HT40 MCS0	102	5510	Full	15.78	17.50	16.16	17.50	16.96	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	110	5550	Full	15.57	17.50	16.11	17.50	16.86	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	126	5630	Full	15.52	17.50	15.83	17.50	16.69	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	134	5670	Full	15.58	17.50	16.09	17.50	16.85	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	142	5710	Full	15.73	17.50	15.88	17.50	16.82	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	150	5750	Full	15.55	17.50	15.70	17.50	16.64	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
802.11ac-VHT20 MCS0	116	5580	Full	15.53	17.50	15.65	17.50	16.60	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	124	5620	Full	15.50	17.50	15.58	17.50	16.55	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	132	5660	Full	15.52	17.50	15.61	17.50	16.58	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	140	5700	Full	15.05	17.00	15.10	17.00	16.09	19.00	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	144	5720	Full	16.01	17.50	16.12	17.50	19.08	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	150	5750	Full	15.65	17.50	16.07	17.50	16.88	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50	
802.11ac-VHT40 MCS0	110	5550	Full	15.52	17.50	16.11	17.50	16.84	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	126	5630	Full	15.50	17.50	15.75	17.50	16.64	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	134	5670	Full	15.54	17.50	16.02	17.50	16.80	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	142	5710	Full	15.72	17.50	15.79	17.50	16.77	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	150	5750	Full	15.27	17.00	15.46	17.00	16.38	20.00	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	156	5810	Full	15.02	17.00	15.29	17.00	16.17	20.00	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
802.11ax-VHT80 MCS0	138	5690	Full	15.63	17.00	15.57	17.00	16.61	20.00	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	802.11ax-VHT160 MCS0	114	5570	Full	14.82	16.50	14.66	16.50	17.75	19.50	12.86	14.50	12.67	14.50	15.78	17.50	12.86	14.50	12.67	14.50	15.78	17.50	99.33	
		802.11ax-HE20 MCS0	100	5500	Full	15.59	17.50	15.83	17.50	16.72	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50
			26/D		8.16	9.00	7.44	9.00	10.85	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	12.00	
			52/37		10.67	12.00	10.41	12.00	13.55	15.00	12.00	12.00	15.00	12.00	12.00	15.00	12.00	12.00	15.00	12.00	12.00	15.00	15.00	
			106/53		13.90	15.00	13.95	15.00	16.94	18.00	14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50	17.50	
116			5580		Full	15.58	17.50	15.78	17.50	16.69	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50
124	5620		Full		15.56	17.50	15.74	17.50	16.66	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50	
802.11ax-HE40 MCS0	132	5660	Full	15.52	17.50	15.77	17.50	16.66	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	140	5700	Full	15.13	17.00	15.19	17.00	16.17	20.00	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	26/B		8.41	10.00	8.67	10.00	11.55	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	10.00	10.00	13.00	13.00			
	52/40		11.16	13.00	11.74	13.00	14.47	16.00	13.00	13.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00			
	106/54		14.10	16.00	14.26	16.00	17.19	19.00	14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50	17.50			
	144		5720	Full	16.14	17.50	16.30	17.50	19.23	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50	
26/B	7.89			9.00	8.62	9.00	11.28	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	9.00	9.00	12.00	12.00			
52/40	11.12	13.00		11.60	13.00	14.38	16.00	13.00	13.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	13.00	13.00	16.00	16.00				
106/54	14.13	16.00		14.35	16.00	17.25	19.00	14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50	14.50	14.50	17.50	17.50				
802.11ax-HE80 MCS0	102	5510	Full	15.76	17.50	16.22	17.50	19.01	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	17.50		
	110	5550	Full	15.61	17.50	16.24	17.50	16.95	20.50	14.50	14.50	14.50	17.50	14.50	14.50	14.								