

Full&Default Power

GSM850 Ant0 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	32.12	32.15	32.11	33.00	23.12	23.15	23.11	24.00
GPRS 1 Tx slot	32.02	32.06	32.01	33.00	23.02	23.06	23.01	24.00
GPRS 2 Tx slots	28.91	28.93	28.90	30.00	22.91	22.93	22.90	24.00
GPRS 3 Tx slots	27.25	27.30	27.22	28.20	22.99	23.04	22.96	23.94
GPRS 4 Tx slots	26.09	26.11	26.05	27.00	23.09	23.11	23.05	24.00
EDGE 1 Tx slot	26.00	26.05	26.02	28.00	17.00	17.05	17.02	19.00
EDGE 2 Tx slots	23.98	24.03	23.95	25.00	17.98	18.03	17.95	19.00
EDGE 3 Tx slots	21.99	22.06	22.01	23.20	17.73	17.80	17.75	18.94
EDGE 4 Tx slots	21.15	21.27	21.21	22.00	16.15	16.27	16.21	19.00

WCDMA V Ant0 Default					
Band		WCDMA V			Tune-up Limit (dBm)
TX Channel	Rx Channel	4132	4182	4233	
Frequency (MHz)		4357	4407	4458	
		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.16	24.28	24.13	25.00
3GPP Rel 99	RMC 12.2Kbps	24.26	24.35	24.22	25.00
3GPP Rel 6	HSDPA Subtest-1	23.26	23.33	23.18	24.00
3GPP Rel 6	HSDPA Subtest-2	23.24	23.35	23.23	24.00
3GPP Rel 6	HSDPA Subtest-3	22.74	22.89	22.77	23.50
3GPP Rel 6	HSDPA Subtest-4	22.78	22.80	22.68	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.20	23.35	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.29	23.39	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.75	22.90	22.66	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.86	22.67	23.50
3GPP Rel 6	HSUPA Subtest-1	23.29	23.40	23.22	24.00
3GPP Rel 6	HSUPA Subtest-2	21.23	21.36	21.28	22.00
3GPP Rel 6	HSUPA Subtest-3	22.20	22.41	22.17	23.00
3GPP Rel 6	HSUPA Subtest-4	21.26	21.32	21.22	22.00
3GPP Rel 6	HSUPA Subtest-5	23.22	23.32	23.25	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.81	20.88	20.74	21.50

Band 5 Ant0 Default													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up (dBm)	MPR (dB)					
Channel				20450	20555	20650							
Frequency (MHz)													
10	QPSK	1	0	25.19	25.21	25.16	25.7	0					
10	QPSK	1	25	25.20	25.17	25.07							
10	QPSK	1	49	25.15	25.16	25.07							
10	QPSK	25	0	24.16	24.23	24.22							
10	QPSK	25	12	24.19	24.13	24.08							
10	QPSK	25	25	24.14	24.19	24.11	24.7	1					
10	QPSK	50	0	24.16	24.25	24.19							
10	16QAM	1	0	24.11	24.14	24.21							
10	16QAM	1	25	24.13	24.10	24.06							
10	16QAM	1	49	24.13	24.14	24.07							
10	16QAM	25	0	23.18	23.22	23.28	23.7	2					
10	16QAM	25	12	23.19	23.10	23.03							
10	16QAM	25	25	23.13	23.20	23.15							
10	16QAM	50	0	23.12	23.27	23.24							
10	64QAM	1	0	23.14	23.20	23.21							
10	64QAM	1	25	23.14	23.07	23.02	23.7	2					
10	64QAM	1	49	23.14	23.15	23.03							
10	64QAM	25	0	22.13	22.21	22.16							
10	64QAM	25	12	22.17	22.17	22.14							
10	64QAM	25	25	22.21	22.21	22.08							
10	64QAM	50	0	22.20	22.21	22.13	22.7	3					
10	256QAM	1	0	20.19	20.28	20.25							
10	256QAM	1	25	20.15	20.10	20.11							
10	256QAM	1	49	20.12	20.21	20.16							
10	256QAM	25	0	20.14	20.30	20.16							
10	256QAM	25	12	20.05	20.17	20.23	20.7	5					
10	256QAM	25	25	20.16	20.13	20.10							
10	256QAM	50	0	20.18	20.19	20.02							
Channel				20450	20555	20650							
Frequency (MHz)													
5	QPSK	1	0	25.05	25.16	25.07	25.7	0					
5	QPSK	1	12	25.06	25.14	24.97							
5	QPSK	1	24	25.13	25.07	24.96							
5	QPSK	12	0	24.07	24.12	24.15							
5	QPSK	12	7	24.06	24.01	24.03							
5	QPSK	12	13	24.09	24.12	24.03	24.7	1					
5	QPSK	25	0	24.10	24.20	24.15							
5	16QAM	1	0	23.99	24.04	24.15							
5	16QAM	1	12	24.05	24.02	23.94							
5	16QAM	1	24	24.01	24.08	23.95							
5	16QAM	12	0	23.05	23.14	23.18	23.7	2					
5	16QAM	12	7	23.10	23.07	22.90							
5	16QAM	12	13	23.09	23.10	23.10							
5	16QAM	25	0	23.08	23.23	23.22							
5	64QAM	1	0	23.00	23.09	23.12							
5	64QAM	1	12	23.11	22.97	22.96	23.7	2					
5	64QAM	1	24	23.08	23.03	22.92							
5	64QAM	12	0	22.03	22.16	22.14							
5	64QAM	12	7	22.09	22.14	22.10							
5	64QAM	12	13	22.00	22.18	22.16							
5	64QAM	25	0	22.07	22.08	22.06	20.7	5					
5	256QAM	1	0	20.16	20.17	20.23							
5	256QAM	1	12	20.02	20.03	20.05							
5	256QAM	1	24	20.00	20.19	20.02							
5	256QAM	12	0	20.04	20.17	20.05							
5	256QAM	12	7	20.01	20.13	20.19	20.7	5					
5	256QAM	12	13	20.04	20.00	20.06							
5	256QAM	25	0	20.07	20.08	19.93							
Channel				20415	20525	20635							
Frequency (MHz)													
3	QPSK	1	0	25.14	25.09	25.10	25.7	0					
3	QPSK	1	8	25.14	25.15	24.95							
3	QPSK	1	14	25.05	25.05	24.96							
3	QPSK	8	0	24.05	24.20	24.16							
3	QPSK	8	4	24.06	23.99	24.03							
3	QPSK	8	7	24.04	24.11	24.01	24.7	1					
3	QPSK	15	0	24.11	24.17	24.16							
3	16QAM	1	0	24.02	24.11	24.15							
3	16QAM	1	8	24.09	24.05	23.94							
3	16QAM	1	14	24.00	24.10	23.99							
3	16QAM	8	0	23.08	23.13	23.23	23.7	2					
3	16QAM	8	7	23.11	23.03	23.08							
3	16QAM	8	7	23.03	23.08	23.03							
3	16QAM	15	0	23.00	23.24	23.21							
3	64QAM	1	0	23.02	23.17	23.10							
3	64QAM	1	8	23.03	22.93	22.90	23.7	2					
3	64QAM	1	14	23.01	23.10	23.06							
3	64QAM	8	0	22.05	22.08	22.09							
3	64QAM	8	4	22.05	22.09	22.07							
3	64QAM	8	7	22.01	22.16	21.99							
3	64QAM	15	0	22.10	22.09	22.01	20.7	5					
3	256QAM	1	0	20.11	20.15	20.14							
3	256QAM	1	8	20.01	20.05	19.99							
3	256QAM	1	14	20.09	20.07	20.03							
3	256QAM	8	0	20.12	20.18	20.03							
3	256QAM	8	4	19.99	20.13	20.21	20.7	5					
3	256QAM	8	7	20.05	20.01	20.00							
3	256QAM	15	0	20.15	20.08	19.99							
Channel				20407	20525	20643							
Frequency (MHz)													
1.4	QPSK	1	0	25.10	25.11	25.14	25.7	0					
1.4	QPSK	1	3	25.12	25.05	25.03							
1.4	QPSK	1	5	25.08	25.03	25.05							
1.4	QPSK	3	0	25.00	25.08	25.03							
1.4	QPSK	3	1	25.06	25.03	24.94							
1.4	QPSK	3	3	24.96	24.90	24.97	24.7	1					
1.4	QPSK	6	0	24.10	24.16	24.14							
1.4	16QAM	1	0	24.03	24.06	24.08							
1.4	16QAM	1	3	24.05	24.02	23.93							
1.4	16QAM	1	5	24.00	24.07	24.02							
1.4	16QAM	3	0	24.02	24.13	24.06	23.7	2					
1.4	16QAM	3	1	23.90	23.94	24.01							
1.4	16QAM	3	3	23.93	23.90	23.86							
1.4	16QAM	6	0	23.04	23.16	23.16							
1.4	64QAM	1	0	23.06	23.11	23.16							
1.4	64QAM	1	3	23.02	22.99	22.93	23.7	2					
1.4	64QAM	1	5	23.05	23.07	23.00							
1.4	64QAM	3	0	22.98	23.03	23.06							
1.4	64QAM	3	1	22.98	23.05	23.06							
1.4	64QAM	3	3	22.94	22.97	22.83							
1.4	64QAM	6	0	22.12	22.12	22.10	22.7						

Band 17 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.76	24.80	24.74			
10	QPSK	1	25	24.66	24.74	24.65	25.5	0	
10	QPSK	1	49	24.75	24.69	24.67			
10	QPSK	25	0	23.77	23.85	23.78			
10	QPSK	25	12	23.70	23.72	23.64	24.5	1	
10	QPSK	25	25	23.80	23.87	23.81			
10	QPSK	50	0	23.77	23.79	23.74			
10	16QAM	1	0	23.72	23.76	23.72	24.5	1	
10	16QAM	1	25	23.62	23.77	23.71			
10	16QAM	1	49	23.75	23.71	23.88			
10	16QAM	25	0	22.78	22.91	22.82			
10	16QAM	25	12	22.67	22.77	22.66	23.5	2	
10	16QAM	25	25	22.80	22.73	22.85			
10	16QAM	50	0	22.76	22.82	22.76			
10	64QAM	1	0	22.66	22.72	22.75			
10	64QAM	1	25	22.66	22.71	22.76	23.5	2	
10	64QAM	1	49	22.79	22.70	22.85			
10	64QAM	25	0	21.72	21.87	21.75			
10	64QAM	25	12	21.71	21.68	21.67	22.5	3	
10	64QAM	25	25	21.81	21.70	21.83			
10	64QAM	50	0	21.75	21.80	21.71			
10	256QAM	1	0	19.71	19.85	19.74			
10	256QAM	1	25	19.75	19.73	19.58	20.5	5	
10	256QAM	1	49	19.74	19.67	19.64			
10	256QAM	25	0	19.82	19.82	19.78			
10	256QAM	25	12	19.70	19.80	19.68			
10	256QAM	25	25	19.65	19.72	19.71	20.5	5	
10	256QAM	50	0	19.71	19.85	19.71			
Channel				23755	23790	23825	Tune-up limit	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.70	24.68	24.71	25.5	0	
5	QPSK	1	12	24.53	24.70	24.61			
5	QPSK	1	24	24.62	24.65	24.62			
5	QPSK	12	0	23.65	23.81	23.67			
5	QPSK	12	7	23.59	23.62	23.55	24.5	1	
5	QPSK	12	13	23.71	23.56	23.55			
5	QPSK	25	0	23.70	23.72	23.71			
5	16QAM	1	0	23.65	23.66	23.66	24.5	1	
5	16QAM	1	12	23.58	23.68	23.60			
5	16QAM	1	24	23.73	23.84	23.56			
5	16QAM	12	0	22.76	22.86	22.78	23.5	2	
5	16QAM	12	7	22.56	22.71	22.63			
5	16QAM	12	13	22.70	22.59	22.54			
5	16QAM	25	0	22.75	22.73	22.72			
5	64QAM	1	0	22.55	22.67	22.64	23.5	2	
5	64QAM	1	12	22.54	22.66	22.63			
5	64QAM	1	24	22.70	22.57	22.55			
5	64QAM	12	0	21.67	21.76	21.70	22.5	3	
5	64QAM	12	7	21.66	21.55	21.57			
5	64QAM	12	13	21.74	21.63	21.50			
5	64QAM	25	0	21.64	21.72	21.67			
5	256QAM	1	0	19.68	19.76	19.72	20.5	5	
5	256QAM	1	12	19.68	19.69	19.46			
5	256QAM	1	24	19.63	19.61	19.57			
5	256QAM	12	0	19.75	19.72	19.70			
5	256QAM	12	7	19.57	19.77	19.54	20.5	5	
5	256QAM	12	13	19.58	19.67	19.58			
5	256QAM	25	0	19.65	19.53	19.64			

Band 26 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				26105	26155	26165			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	25.14	25.20	25.15			
15	QPSK	1	37	25.09	25.11	25.07	25.7	0	
15	QPSK	1	74	25.10	25.07	25.09			
15	QPSK	36	0	24.13	24.20	24.11			
15	QPSK	36	20	24.07	24.15	24.04	24.7	1	
15	QPSK	36	39	24.09	24.07	24.11			
15	QPSK	75	0	24.13	24.16	24.10			
15	16QAM	1	0	24.10	24.15	24.12	24.7	1	
15	16QAM	1	37	24.14	24.07	24.05			
15	16QAM	1	74	24.08	24.02	24.08			
15	16QAM	36	0	23.11	23.18	23.05			
15	16QAM	36	20	23.04	23.13	23.05	23.7	2	
15	16QAM	36	39	23.09	23.10	23.08			
15	16QAM	75	0	23.18	23.11	23.15			
15	64QAM	1	0	23.15	23.16	23.13			
15	64QAM	1	37	23.08	23.01	23.00	23.7	2	
15	64QAM	1	74	23.10	22.97	23.05			
15	64QAM	36	0	22.12	22.15	22.08			
15	64QAM	36	20	22.07	22.15	22.04	22.7	3	
15	64QAM	36	39	22.15	22.05	22.10			
15	64QAM	75	0	22.15	22.22	22.08			
15	256QAM	1	0	20.13	20.14	20.06			
15	256QAM	1	37	20.10	20.15	20.03	20.7	5	
15	256QAM	1	74	20.10	20.09	20.12			
15	256QAM	36	0	20.17	20.19	20.10			
15	256QAM	36	20	20.07	20.20	20.16	20.7	5	
15	256QAM	36	39	20.20	20.10	19.99			
15	256QAM	75	0	20.08	20.04	20.03			
Channel				26740	26865	26990	Tune-up limit	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	25.08	25.17	25.04			
10	QPSK	1	25	24.95	25.02	25.04	25.7	0	
10	QPSK	1	49	25.04	24.98	24.95			
10	QPSK	25	0	24.03	24.11	23.97			
10	QPSK	25	12	23.94	24.09	23.98	24.7	1	
10	QPSK	25	25	24.05	24.01	24.04			
10	QPSK	50	0	24.03	24.07	24.04			
10	16QAM	1	0	24.01	24.04	24.03	24.7	1	
10	16QAM	1	25	24.07	24.00	24.01			
10	16QAM	1	49	24.03	23.92	23.95			
10	16QAM	25	0	23.09	23.09	22.98	23.7	2	
10	16QAM	25	12	22.93	23.02	22.98			
10	16QAM	25	25	23.04	23.03	23.01			
10	16QAM	50	0	23.07	23.09	23.10			
10	64QAM	1	0	23.07	23.10	23.10	23.7	2	
10	64QAM	1	25	22.98	22.94	22.97			
10	64QAM	1	49	22.97	22.85	22.99			
10	64QAM	25	0	21.99	22.11	22.05	22.7	3	
10	64QAM	25	12	22.00	22.02	21.95			
10	64QAM	25	25	22.07	21.99	21.96			
10	64QAM	50	0	22.11	22.19	22.01			
10	256QAM	1	0	20.08	20.08	20.00	20.7	5	
10	256QAM	1	25	19.97	20.11	19.91			
10	256QAM	1	49	20.03	20.05	20.04			
10	256QAM	25	0	20.11	20.14	20.01			
10	256QAM	25	12	19.94	20.11	20.14	20.7	5	
10	256QAM	25	25	20.11	20.08	19.95			
10	256QAM	50	0	19.98	19.91	20.01			
Channel				27175	27175	27175	Tune-up limit	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	25.09	25.09	25.09	25.7	0	
5	QPSK	1	12	25.00	25.00	25.03			
5	QPSK	1	24	24.97	24.95	25.01			
5	QPSK	12	0	24.07	24.12	23.98			
5	QPSK	12	7	23.96	24.04	23.99	24.7	1	
5	QPSK	12	13	24.04	24.05	24.00			
5	QPSK	25	0	24.03	24.02	24.02			
5	16QAM	1	0	24.03	24.02	24.08	24.7	1	
5	16QAM	1	12	24.04	24.01	23.96			
5	16QAM	1	24	23.98	23.96	23.95			
5	16QAM	12	0	23.07	23.16	22.99	23.7	2	
5	16QAM	12	7	22.99	23.00	23.02			
5	16QAM	12	13	22.96	23.07	23.03			
5	16QAM	25	0	23.06	22.99	23.08			
5	64QAM	1	0	23.10	23.11	23.05	23.7	2	
5	64QAM	1	12	23.05	22.98	22.90			
5	64QAM	1	24	23.02	22.89	22.85			
5	64QAM	12	0	22.01	22.08	22.03	22.7	3	
5	64QAM	12	7	21.98	22.13	21.96			
5	64QAM	12	13	22.09	21.96	22.05			
5	64QAM	25	0	22.09	22.14	21.94			
5	256QAM	1	0	20.10	20.04	19.99	20.7	5	
5	256QAM	1	12	20.01	20.08	19.90			
5	256QAM	1	24	20.03	19.95	20.05			
5	256QAM	12	0	20.12	20.15	19.99	20.7	5	
5	256QAM	12	7	19.95	20.07	20.05			
5	256QAM	12	13	20.10	19.98	19.99			
5	256QAM	25	0	20.04	19.95	19.91			
Channel				27105	26865	27025	Tune-up limit	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	25.04	25.11				

GSM850 Ant1 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	31.83	32.11	31.87	32.90	22.63	23.11	22.87	23.90
GPRS 1 Tx slot	31.72	31.99	31.95	32.90	22.72	22.99	22.95	23.90
GPRS 2 Tx slots	28.44	28.46	28.43	29.90	22.44	22.46	22.43	23.90
GPRS 3 Tx slots	26.54	26.59	26.55	28.10	22.28	22.33	22.29	23.84
GPRS 4 Tx slots	25.40	25.45	25.38	26.90	22.40	22.45	22.38	23.90
EDGE 1 Tx slot	26.49	26.55	26.51	27.50	17.49	17.55	17.51	18.90
EDGE 2 Tx slots	23.91	23.96	23.93	24.90	17.91	17.96	17.93	18.90
EDGE 3 Tx slots	22.20	22.21	22.18	23.10	17.94	17.95	17.92	18.84
EDGE 4 Tx slots	20.68	20.76	20.72	21.90	17.88	17.76	17.72	18.90

WCDMA V Ant1 Default				
Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel				
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.27	23.33	23.19
3GPP Rel 99	RMC 12.2Kbps	23.32	23.36	23.29
3GPP Rel 6	HSDPA Subtest-1	22.36	22.31	22.31
3GPP Rel 6	HSDPA Subtest-2	22.34	22.39	22.25
3GPP Rel 6	HSDPA Subtest-3	21.83	21.87	21.76
3GPP Rel 6	HSDPA Subtest-4	21.83	21.83	21.78
3GPP Rel 8	DC-HSDPA Subtest-1	22.31	22.39	22.27
3GPP Rel 8	DC-HSDPA Subtest-2	22.37	22.39	22.29
3GPP Rel 8	DC-HSDPA Subtest-3	21.81	21.91	21.75
3GPP Rel 8	DC-HSDPA Subtest-4	21.76	21.85	21.78
3GPP Rel 6	HSUPA Subtest-1	22.27	22.33	22.29
3GPP Rel 6	HSUPA Subtest-2	20.36	20.41	20.26
3GPP Rel 6	HSUPA Subtest-3	21.35	21.37	21.33
3GPP Rel 6	HSUPA Subtest-4	20.37	20.39	20.26
3GPP Rel 6	HSUPA Subtest-5	22.32	22.35	22.30
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.84	19.87	19.73

Band 5 Ant1 Default										
BW (MHz)	Modulation on Channel	RB Size	RB Offset	Power Low Ch. / Freq. 20450	Power Middle Ch. / Freq. 20525	Power High Ch. / Freq. 20600	Tune-up limit (dBm)	MPR (dB)		
Channel				829	836.5	844				
Frequency (MHz)										
10	QPSK	1	0	24.23	24.31	24.25	25.5	0		
10	QPSK	1	25	24.16	24.28	24.20				
10	QPSK	1	49	24.13	24.24	24.15				
10	QPSK	25	0	23.23	23.36	23.25				
10	QPSK	25	12	23.15	23.32	23.15				
10	QPSK	25	25	23.14	23.19	23.12	23.5	2		
10	QPSK	50	0	23.24	23.32	23.30				
10	16QAM	1	0	23.21	23.31	23.26				
10	16QAM	1	25	23.31	23.31	23.18				
10	16QAM	1	49	23.13	23.26	23.20				
10	16QAM	25	0	22.19	22.34	22.30	23.5	2		
10	16QAM	25	12	22.11	22.30	22.11				
10	16QAM	25	25	22.13	22.14	22.14				
10	16QAM	50	0	22.25	22.30	22.35				
10	64QAM	1	0	22.25	22.34	22.30				
10	64QAM	1	25	22.10	22.33	22.23	23.5	2		
10	64QAM	1	49	22.08	22.27	22.16				
10	64QAM	25	0	21.19	21.36	21.19				
10	64QAM	25	12	21.15	21.28	21.14				
10	64QAM	50	0	21.24	21.30	21.35				
10	256QAM	1	0	19.20	19.41	19.27	20.5	5		
10	256QAM	1	25	19.21	19.31	19.11				
10	256QAM	1	49	19.12	19.15	19.09				
10	256QAM	25	0	19.30	19.34	19.35				
10	256QAM	25	12	19.22	19.33	19.30				
10	256QAM	25	25	19.16	19.31	19.19	20.5	5		
10	256QAM	50	0	19.08	19.20	19.25				
Channel				20425	20525	20625			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.18	24.26	24.21	25.5	0		
5	QPSK	1	24	24.09	24.22	24.18				
5	QPSK	1	24	24.11	24.16	24.06				
5	QPSK	12	0	23.20	23.33	23.12				
5	QPSK	12	7	23.04	23.20	23.05				
5	QPSK	12	13	23.05	23.16	23.05	24.5	1		
5	QPSK	25	0	23.11	23.22	23.17				
5	16QAM	1	0	23.08	23.21	23.13				
5	16QAM	1	12	23.03	23.21	23.12				
5	16QAM	1	24	23.00	23.15	23.15				
5	16QAM	12	0	22.07	22.27	22.21	23.5	2		
5	16QAM	12	7	22.00	22.22	22.08				
5	16QAM	12	13	22.02	22.02	22.06				
5	16QAM	25	0	22.16	22.21	22.21				
5	64QAM	1	0	22.12	22.26	22.26				
5	64QAM	1	12	22.01	22.30	22.15	23.5	2		
5	64QAM	1	24	21.99	22.22	22.15				
5	64QAM	12	0	21.90	21.30	21.16				
5	64QAM	12	7	21.07	21.23	21.03				
5	64QAM	12	13	21.05	21.16	21.06				
5	64QAM	25	0	21.16	21.22	21.30	20.5	5		
5	256QAM	1	0	19.17	19.32	19.18				
5	256QAM	1	12	19.15	19.29	19.03				
5	256QAM	1	24	19.03	19.22	19.03				
5	256QAM	12	0	19.27	19.25	19.27				
5	256QAM	12	7	19.09	19.30	19.27	20.5	5		
5	256QAM	12	13	19.03	19.20	19.13				
5	256QAM	25	0	18.99	19.09	19.14				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.00	24.19	24.18	25.5	0		
3	QPSK	1	8	24.02	24.14	24.07				
3	QPSK	1	14	24.00	24.16	24.02				
3	QPSK	8	0	23.20	23.23	23.18				
3	QPSK	8	4	23.08	23.20	23.09				
3	QPSK	8	7	23.06	23.08	23.07	24.5	1		
3	QPSK	15	0	23.17	23.23	23.20				
3	16QAM	1	0	23.11	23.18	23.16				
3	16QAM	1	8	23.02	23.21	23.14				
3	16QAM	1	14	23.04	23.13	23.15				
3	16QAM	8	0	22.10	22.22	22.19	23.5	2		
3	16QAM	8	4	22.03	22.18	22.08				
3	16QAM	8	7	22.04	22.02	22.09				
3	16QAM	15	0	22.21	22.22	22.22				
3	64QAM	1	0	22.14	22.21	22.21				
3	64QAM	1	8	22.05	22.30	22.20	23.5	2		
3	64QAM	1	14	22.05	22.24	22.07				
3	64QAM	8	0	21.15	21.23	21.07				
3	64QAM	8	4	21.08	21.24	21.10				
3	64QAM	8	7	21.09	21.16	21.05				
3	64QAM	15	0	21.11	21.25	21.30	20.5	5		
3	256QAM	1	0	19.10	19.29	19.22				
3	256QAM	1	8	19.16	19.26	19.07				
3	256QAM	1	14	19.05	19.05	19.02				
3	256QAM	8	0	19.24	19.26	19.26				
3	256QAM	8	4	19.16	19.22	19.23	20.5	5		
3	256QAM	8	7	19.09	19.25	19.06				
3	256QAM	15	0	18.95	19.03	19.13				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.15	24.21	24.11	25.5	0		
1.4	QPSK	1	3	24.02	24.22	24.08				
1.4	QPSK	1	5	23.99	24.11	24.08				
1.4	QPSK	3	0	24.05	24.13	24.00				
1.4	QPSK	3	1	23.99	24.19	24.04				
1.4	QPSK	3	3	23.93	24.05	24.02	24.5	1		
1.4	QPSK	6	0	23.16	23.29	23.17				
1.4	16QAM	1	0	23.07	23.19	23.16				
1.4	16QAM	1	3	23.00	23.25	23.14				
1.4	16QAM	1	5	23.05	23.20	23.10				
1.4	16QAM	3	0	23.10	23.17	23.08	23.5	2		
1.4	16QAM	3	1	23.03	23.09	23.07				
1.4	16QAM	3	3	22.89	23.19	23.10				
1.4	16QAM	6	0	22.14	22.23	22.30				
1.4	64QAM	1	0	22.11	22.27	22.19				
1.4	64QAM	1	3	22.07	22.26	22.12	23.5	2		
1.4	64QAM	1	5	21.94	22.15	22.08				
1.4	64QAM	3	0	22.05	22.16	22.23				
1.4	64QAM	3	1	22.02	22.21	22.05				
1.4	64QAM	3	3	21.99	22.18	22.01				
1.4	64QAM	6	0	21.13	21.23	21.28	22.5	3		
1.4	256QAM	1	0	19.11	19.30	19.15				
1.4	256QAM	1	3	19.17	19.23	19.00				
1.4	256QAM	1	5	19.00	19.02	18.99	20.5	5		
1.4	256QAM	3	0	19.28	19.20	19.29				
1.4	256QAM	3	1	19.19	19.26	19.16				
1.4	256QAM	3	3	19.13	19.19	19.15	20.5	5		
1.4	256QAM	6	0	18.95	19.18	19.17				

Band 17 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.96	24.10	23.94			
10	QPSK	1	25	23.92	24.08	23.89		25	0
10	QPSK	1	49	23.94	24.00	23.86			
10	QPSK	25	0	23.05	23.16	22.92			
10	QPSK	25	12	22.96	23.00	22.87		24	1
10	QPSK	25	25	22.86	22.84	22.87			
10	QPSK	50	0	23.01	23.09	22.95			
10	16QAM	1	0	22.93	23.01	22.97			
10	16QAM	1	25	23.00	23.05	22.95		24	1
10	16QAM	1	49	22.94	22.96	22.88			
10	16QAM	25	0	21.98	22.18	21.98			
10	16QAM	25	12	21.91	21.98	21.79		23	2
10	16QAM	25	25	21.95	21.86	21.84			
10	16QAM	50	0	22.05	22.12	21.95			
10	64QAM	1	0	22.09	22.03	21.93			
10	64QAM	1	25	21.89	22.05	21.98		23	2
10	64QAM	1	49	21.93	21.97	21.84			
10	64QAM	25	0	20.95	21.15	20.95			
10	64QAM	25	12	20.88	21.05	20.85		22	3
10	64QAM	25	25	20.82	20.89	20.84			
10	64QAM	50	0	20.88	21.04	20.91			
10	256QAM	1	0	19.00	19.05	18.94			
10	256QAM	1	25	18.96	19.05	18.84		20	5
10	256QAM	1	49	18.91	18.98	18.80			
10	256QAM	25	0	18.06	19.20	18.95			
10	256QAM	25	12	18.93	19.11	19.02			
10	256QAM	25	25	18.97	19.04	18.95		20	5
10	256QAM	50	0	18.85	19.01	18.77			
Channel				23755	23790	23825	Tune-up limit	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.94	24.06	23.89			
5	QPSK	1	12	23.90	24.01	23.80		25	0
5	QPSK	1	24	23.86	23.87	23.76			
5	QPSK	12	0	23.02	23.12	22.89			
5	QPSK	12	7	22.91	22.92	22.81		24	1
5	QPSK	12	13	22.75	22.90	22.78			
5	QPSK	25	0	22.88	23.05	22.83			
5	16QAM	1	0	22.82	22.89	22.87			
5	16QAM	1	12	22.94	23.01	22.82		24	1
5	16QAM	1	24	22.83	22.84	22.79			
5	16QAM	12	0	21.86	22.05	21.90			
5	16QAM	12	7	21.82	21.93	21.67		23	2
5	16QAM	12	13	21.83	21.80	21.80			
5	16QAM	25	0	21.97	21.99	21.89			
5	64QAM	1	0	21.98	21.99	21.80		23	2
5	64QAM	1	12	21.76	22.03	21.86			
5	64QAM	1	24	21.90	21.90	21.77			
5	64QAM	12	0	20.89	21.07	20.91			
5	64QAM	12	7	20.76	20.92	20.72		22	3
5	64QAM	12	13	20.75	20.84	20.90			
5	64QAM	25	0	20.85	21.00	20.77			
5	256QAM	1	0	18.91	18.99	18.91			
5	256QAM	1	12	18.90	18.92	18.74		20	5
5	256QAM	1	24	18.81	18.90	18.69			
5	256QAM	12	0	18.94	19.12	18.85			
5	256QAM	12	7	18.87	19.05	19.00			
5	256QAM	12	13	18.85	18.91	18.92		20	5
5	256QAM	25	0	18.78	18.93	18.69			

Band 26 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				26155	26165	26165			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.37	24.57	24.40			
15	QPSK	1	37	24.36	24.42	24.46		25.5	0
15	QPSK	1	74	24.31	24.47	24.37			
15	QPSK	36	0	23.43	23.61	23.45			
15	QPSK	36	20	23.31	23.46	23.31		24.5	1
15	QPSK	36	39	23.29	23.36	23.26			
15	QPSK	75	0	23.50	23.53	23.51			
15	16QAM	1	0	23.37	23.46	23.50		24.5	1
15	16QAM	1	37	23.29	23.48	23.34			
15	16QAM	1	74	23.38	23.46	23.35			
15	16QAM	36	0	22.35	22.53	22.53			
15	16QAM	36	20	22.34	22.45	22.34		23.5	2
15	16QAM	36	39	22.33	22.30	22.32			
15	16QAM	75	0	22.47	22.55	22.58			
15	64QAM	1	0	22.43	22.54	22.45			
15	64QAM	1	37	22.28	22.56	22.40		23.5	2
15	64QAM	1	74	22.32	22.51	22.35			
15	64QAM	36	0	21.38	21.53	21.36			
15	64QAM	36	20	21.34	21.52	21.39		22.5	3
15	64QAM	36	39	21.34	21.48	21.39			
15	64QAM	75	0	21.39	21.48	21.61			
15	256QAM	1	0	19.41	19.60	19.50			
15	256QAM	1	37	19.44	19.48	19.28		20.5	5
15	256QAM	1	74	19.34	19.30	19.27			
15	256QAM	36	0	19.53	19.51	19.35			
15	256QAM	36	20	19.41	19.57	19.45			
15	256QAM	36	39	19.31	19.52	19.40		20.5	5
15	256QAM	75	0	19.32	19.42	19.40			
Channel				26740	26865	26990	Tune-up limit	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.27	24.47	24.35			
10	QPSK	1	25	24.32	24.32	24.35		25.5	0
10	QPSK	1	49	24.27	24.36	24.28			
10	QPSK	25	0	23.37	23.57	23.40			
10	QPSK	25	12	23.17	23.37	23.18		24.5	1
10	QPSK	25	25	23.16	23.26	23.17			
10	QPSK	50	0	23.38	23.44	23.48			
10	16QAM	1	0	23.31	23.34	23.36			
10	16QAM	1	25	23.26	23.42	23.26		24.5	1
10	16QAM	1	49	23.27	23.34	23.22			
10	16QAM	25	0	22.31	22.47	22.47			
10	16QAM	25	12	22.28	22.39	22.21		23.5	2
10	16QAM	25	25	22.27	22.28	22.23			
10	16QAM	50	0	22.35	22.42	22.45			
10	64QAM	1	0	22.37	22.42	22.39			
10	64QAM	1	25	22.15	22.47	22.27		23.5	2
10	64QAM	1	49	22.19	22.44	22.32			
10	64QAM	25	0	21.28	21.45	21.33			
10	64QAM	25	12	21.30	21.46	21.31		22.5	3
10	64QAM	25	25	21.21	21.45	21.28			
10	64QAM	50	0	21.36	21.42	21.58			
10	256QAM	1	0	19.28	19.47	19.41			
10	256QAM	1	25	19.39	19.45	19.23		20.5	5
10	256QAM	1	49	19.31	19.24	19.25			
10	256QAM	25	0	19.50	19.45	19.44			
10	256QAM	25	12	19.32	19.54	19.42		20.5	5
10	256QAM	25	25	19.28	19.46	19.36			
10	256QAM	50	0	19.27	19.37	19.31			
Channel				26715	26835	27075	Tune-up limit	MPR (dB)	
Frequency (MHz)				816.5	831.5	848.5			
5	QPSK	1	0	24.29	24.55	24.35			
5	QPSK	1	12	24.25	24.31	24.42		25.5	0
5	QPSK	1	24	24.21	24.34	24.25			
5	QPSK	12	0	23.29	23.58	23.40			
5	QPSK	12	7	23.27	23.38	23.26		24.5	1
5	QPSK	12	13	23.24	23.25	23.16			
5	QPSK	25	0	23.45	23.45	23.45			
5	16QAM	1	0	23.23	23.43	23.38			
5	16QAM	1	12	23.22	23.46	23.31		24.5	1
5	16QAM	1	24	23.31	23.40	23.31			
5	16QAM	12	0	22.30	22.42	22.42			
5	16QAM	12	7	22.31	22.35	22.20		23.5	2
5	16QAM	12	13	22.23	22.25	22.24			
5	16QAM	25	0	22.40	22.46	22.54			
5	64QAM	1	0	22.31	22.48	22.32			
5	64QAM	1	12	22.22	22.48	22.29		23.5	2
5	64QAM	1	24	22.26	22.38	22.26			
5	64QAM	12	0	21.32	21.48	21.23			
5	64QAM	12	7	21.22	21.48	21.35		22.5	3
5	64QAM	12	13	21.27	21.42	21.28			
5	64QAM	25	0	21.27	21.32	21.54			
5	256QAM	1	0	19.37	19.55	19.44			
5	256QAM	1	12	19.32	19.34	19.25		20.5	5
5	256QAM	1	24	19.31	19.25	19.14			
5	256QAM	12	0	19.41	19.37	19.45			
5	256QAM	12	7	19.39	19.46	19.33		20.5	5
5	256QAM	12	13	19.25	19.45	19.28			
5	256QAM	25	0	19.23	19.32	19.31			
Channel				26705	26865	27025	Tune-up limit	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.47	24.27			
3									

[illegible]

Band 38 Ant3 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (mW)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.01	24.11	24.05	25	0		
20	QPSK	1	49	23.88	24.05	23.98				
20	QPSK	1	99	23.91	24.00	23.98				
20	QPSK	50	0	22.97	23.12	23.00	24	1		
20	QPSK	50	24	22.87	22.99	23.00				
20	QPSK	50	50	22.96	22.95	23.00				
20	QPSK	100	0	23.03	23.07	23.10	24	1		
20	16QAM	1	0	22.96	23.07	23.05				
20	16QAM	1	49	22.90	23.03	23.00				
20	16QAM	1	99	22.88	22.98	22.98	23	2		
20	16QAM	50	0	21.99	22.12	22.05				
20	16QAM	50	24	21.85	21.95	22.04				
20	16QAM	50	50	21.90	21.92	21.95	23	2		
20	16QAM	100	0	22.01	22.02	22.05				
20	64QAM	1	0	21.98	22.05	21.99				
20	64QAM	1	49	21.91	22.02	22.05	23	2		
20	64QAM	1	99	21.84	21.98	21.95				
20	64QAM	50	0	20.99	21.11	21.05				
20	64QAM	50	24	20.90	21.00	21.05	22	3		
20	64QAM	50	50	20.91	20.89	20.96				
20	64QAM	100	0	21.03	21.11	21.09				
20	256QAM	1	0	18.99	19.16	18.99	20	5		
20	256QAM	1	49	18.85	19.00	19.00				
20	256QAM	1	99	18.99	18.99	19.06				
20	256QAM	50	0	19.00	19.09	19.15	20	5		
20	256QAM	50	24	19.01	19.02	19.09				
20	256QAM	50	50	18.92	19.00	18.93				
20	256QAM	100	0	18.83	18.96	18.98				
Channel				37725	38000	38175	Turn-up	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.89	24.06	24.02	25	0		
15	QPSK	1	37	23.77	23.91	23.86				
15	QPSK	1	74	23.82	23.91	23.87				
15	QPSK	36	0	22.93	22.99	22.94	24	1		
15	QPSK	36	20	22.84	22.92	22.91				
15	QPSK	36	39	22.80	22.82	22.94				
15	QPSK	75	0	23.00	22.99	23.00	24	1		
15	16QAM	1	0	22.84	22.97	22.96				
15	16QAM	1	37	22.84	22.91	22.95				
15	16QAM	1	74	22.82	22.90	22.92	23	2		
15	16QAM	36	0	21.97	22.03	21.97				
15	16QAM	36	20	21.82	21.89	21.93				
15	16QAM	36	39	21.84	21.90	21.89	23	2		
15	16QAM	75	0	21.87	21.92	21.94				
15	64QAM	1	0	21.95	21.94	21.87				
15	64QAM	1	37	21.83	21.94	21.98	23	2		
15	64QAM	1	74	21.77	21.86	21.93				
15	64QAM	36	0	20.88	21.08	20.99				
15	64QAM	36	20	20.81	20.95	20.91	22	3		
15	64QAM	36	39	20.88	20.90	20.87				
15	64QAM	75	0	20.98	21.07	20.97				
15	256QAM	1	0	18.86	19.12	18.94	20	5		
15	256QAM	1	37	18.72	18.92	18.86				
15	256QAM	1	74	18.86	18.94	18.96				
15	256QAM	36	0	18.89	19.01	19.02	20	5		
15	256QAM	36	20	18.92	18.94	19.04				
15	256QAM	36	39	18.81	18.97	18.85				
15	256QAM	75	0	18.75	18.90	18.83				
Channel				37800	38000	38200	Turn-up	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.95	24.00	24.00	25	0		
10	QPSK	1	25	23.76	24.02	23.85				
10	QPSK	1	49	23.82	23.94	23.84				
10	QPSK	25	0	22.85	22.98	22.88	24	1		
10	QPSK	25	12	22.81	22.90	22.88				
10	QPSK	25	25	22.94	22.82	22.88				
10	QPSK	50	0	23.00	23.00	22.97	24	1		
10	16QAM	1	0	22.92	23.00	23.00				
10	16QAM	1	25	22.81	22.91	22.87				
10	16QAM	1	49	22.78	22.93	22.91	23	2		
10	16QAM	25	0	21.87	22.06	21.89				
10	16QAM	25	12	21.85	21.89	21.96				
10	16QAM	25	25	21.81	21.87	21.87	23	2		
10	16QAM	50	0	21.90	21.99	22.02				
10	64QAM	1	0	21.85	21.99	21.98				
10	64QAM	1	25	21.80	21.88	22.00	23	2		
10	64QAM	1	49	21.75	21.91	21.86				
10	64QAM	25	0	20.87	21.07	20.96				
10	64QAM	25	12	20.81	20.92	20.95	22	3		
10	64QAM	25	25	20.82	20.82	20.89				
10	64QAM	50	0	20.92	21.00	20.97				
10	256QAM	1	0	18.85	19.12	18.95	20	5		
10	256QAM	1	25	18.76	18.88	18.92				
10	256QAM	1	49	18.96	18.95	18.94				
10	256QAM	25	0	18.92	18.99	19.06	20	5		
10	256QAM	25	12	18.97	18.88	19.04				
10	256QAM	25	25	18.81	18.97	18.87				
10	256QAM	50	0	18.70	18.94	18.88				
Channel				37775	38000	38188	Turn-up	MPR (dB)		
Frequency (MHz)				2627.5	2695	2697.5				
5	QPSK	1	0	23.90	24.04	24.01	25	0		
5	QPSK	1	12	23.84	23.96	23.90				
5	QPSK	1	24	23.86	23.92	23.92				
5	QPSK	12	0	22.94	23.03	22.91	24	1		
5	QPSK	12	7	22.79	22.92	22.86				
5	QPSK	12	13	22.84	22.85	22.96				
5	QPSK	25	0	23.01	22.97	23.02	24	1		
5	16QAM	1	0	22.89	22.95	23.00				
5	16QAM	1	12	22.80	22.92	22.86				
5	16QAM	1	24	22.78	22.86	22.90	23	2		
5	16QAM	12	0	21.86	22.06	21.88				
5	16QAM	12	7	21.80	21.85	21.90				
5	16QAM	12	13	21.83	21.89	21.82	23	2		
5	16QAM	25	0	21.95	21.97	22.01				
5	64QAM	1	0	21.94	21.92	21.92				
5	64QAM	1	12	21.86	21.96	21.99	23	2		
5	64QAM	1	24	21.72	21.95	21.82				
5	64QAM	12	0	20.90	21.08	20.95				
5	64QAM	12	7	20.80	20.93	20.99	22	3		
5	64QAM	12	13	20.87	20.84	20.92				
5	64QAM	25	0	20.97	21.05	21.07	20	5		
5	256QAM	1	0	18.94	19.10	18.90				
5	256QAM	1	12	18.87	18.97	18.97				
5	256QAM	1	24	18.87	18.96	18.98	20	5		
5	256QAM	12	0	18.96	18.89	19.10				
5	256QAM	12	7	18.86	18.89	19.00				
5	256QAM	12	13	18.86	18.90	18.96	20	5		
5	256QAM	25	0	18.72	18.88	18.86				

GSM1900 Ant4 Default							
GSM1900		Transmit Average Power (dBm)			Frame Average Power (dBm)		
TX Channel		512	661	810	512	661	810
Frequency (MHz)		1850.2	1860	1869.8	1850.2	1860	1869.8
GSM 1 Tx slot		29.99	30.10	30.08	31.50	20.99	21.10
GPRS 1 Tx slot		29.91	30.05	30.01	31.50	20.91	21.05
GPRS 2 Tx slots		26.90	27.04	27.02	28.50	20.92	21.04
GPRS 3 Tx slots		24.98	25.12	25.06	26.70	20.88	20.80
GPRS 4 Tx slots		23.87	23.92	23.89	25.50	20.87	20.92
EDGE 1 Tx slot		25.90	25.95	25.88	27.00	16.90	16.95
EDGE 2 Tx slots		22.68	22.71	22.64	24.00	16.65	16.71
EDGE 3 Tx slots		21.08	21.18	21.15	22.20	16.52	16.59
EDGE 4 Tx slots		19.28	19.33	19.32	21.00	16.28	16.33

WCDMA II Ant4 Default				WCDMA IV Ant4 Default			
Band		WCDMA II		WCDMA IV			
TX Channel		9682	9690	9698	1312	1413	1513
Rx Channel		9662	9800	9938	1537	1638	1738
Frequency (MHz)		1852.4	1860	1867.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2kps	23.96	24.01	24.03	25.00	24.00	24.01
3GPP Rel 99	RMC 12.2kps	24.05	24.15	24.13	25.00	24.05	24.03
3GPP Rel 6	HS-DSPPA Subtest-1	23.02	23.20	23.15	24.00	22.95	23.12
3GPP Rel 6	HS-DSPPA Subtest-2	23.10	23.18	23.13	24.00	23.09	23.12
3GPP Rel 6	HS-DSPPA Subtest-3	22.48	22.58	22.65	23.50	22.44	22.57
3GPP Rel 6	HS-DSPPA Subtest-4	22.53	22.64	22.62	23.50	22.58	22.65
3GPP Rel 8	DC-HS-DSPPA Subtest-1	23.02	23.10	23.10	24.00	23.05	23.03
3GPP Rel 8	DC-HS-DSPPA Subtest-2	23.08	23.12	23.09	24.00	23.09	23.05
3GPP Rel 8	DC-HS-DSPPA Subtest-3	22.54	22.63	22.68	23.50	22.54	22.61
3GPP Rel 8	DC-HS-DSPPA Subtest-4	22.60	22.68	22.68	23.50	22.58	22.60
3GPP Rel 6	HS-UPA Subtest-1	23.08	23.11	23.11	24.00	23.05	23.09
3GPP Rel 6	HS-UPA Subtest-2	21.01	21.11	21.14	22.00	20.95	21.13
3GPP Rel 6	HS-UPA Subtest-3	22.06	22.13	22.10	23.00	22.04	22.13
3GPP Rel 6	HS-UPA Subtest-4	21.00	21.14	21.08	22.00	20.98	21.11
3GPP Rel 6	HS-UPA Subtest-5	23.00	23.18	23.14	24.00	22.95	23.22
3GPP Rel 7	HSPA+ (HSPA-M) Subtest-1	20.58	20.67	20.65	21.50	20.54	20.57

Band 2 Ant4 Default										Band 4 Ant4 Default										Band 7 Ant4 Default										Band 25 Ant4 Default										Band 66 Ant4 Default															
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Time-up (sec)	Time-down (sec)	MPE (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Time-up (sec)	Time-down (sec)	MPE (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Time-up (sec)	Time-down (sec)	MPE (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Time-up (sec)	Time-down (sec)	MPE (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Time-up (sec)	Time-down (sec)	MPE (dB)						
Channel				18700	19000	19100				Channel				20500	20100	21300				Channel				26000	26100	26300				Channel				130072	130202	130372				Channel				130072	130202	130372									
Frequency (MHz)	0	23.50	23.53	23.58						Frequency (MHz)	0	24.83	24.93	24.95							Frequency (MHz)	0	23.52	23.55	23.59				Frequency (MHz)	0	23.89	23.91	23.95							Frequency (MHz)	0	23.89	23.91	23.95											
20 QPSK	1	49	23.76	23.80	23.81				25	0	20 QPSK	1	49	24.78	24.84	24.81			25	0	20 QPSK	1	49	23.80	23.83	23.83			25	0	20 QPSK	1	49	23.88	23.88	23.84			25	0	20 QPSK	1	49	23.88	23.88	23.84			25	0					
20 QPSK	1	56	23.82	23.87	23.79					20 QPSK	50	0	23.84	23.85	23.81						20 QPSK	50	0	23.84	23.85	23.81			20 QPSK	50	0	23.84	23.85	23.81			20 QPSK	50	0	23.84	23.85	23.81			20 QPSK	50	0	23.84	23.85	23.81			20 QPSK	50	0
20 QPSK	50	24	22.75	22.84	22.85					20 QPSK	50	24	23.81	23.83	23.78						20 QPSK	50	24	23.82	23.85	23.82			20 QPSK	50	24	23.84	23.85	23.82			20 QPSK	50	24	23.84	23.85	23.82			20 QPSK	50	24	23.84	23.85	23.82			20 QPSK	50	24
20 QPSK	100	0	22.85	22.92	22.83					20 QPSK	100	0	23.81	23.85	23.83						20 QPSK	100	0	23.81	23.85	23.83			20 QPSK	100	0	23.81	23.85	23.83			20 QPSK	100	0	23.81	23.85	23.83			20 QPSK	100	0	23.81	23.85	23.83			20 QPSK	100	0
20 QPSK	1	59	23.84	23.87	23.79					20 QPSK	1	59	23.71	23.77	23.83						20 QPSK	1	59	23.85	23.91	23.84			20 QPSK	1	59	23.86	23.91	23.84			20 QPSK	1	59	23.86	23.91	23.84			20 QPSK	1	59	23.86	23.91	23.84			20 QPSK	1	59
20 QPSK	50	0	21.84	22.02	21.82					20 QPSK	50	0	22.76	22.80	22.87						20 QPSK	50	0	22.76	22.80	22.87			20 QPSK	50	0	22.76	22.80	22.87			20 QPSK	50	0	22.76	22.80	22.87			20 QPSK	50	0	22.76	22.80	22.87			20 QPSK	50	0
20 QPSK	50	24	21.89	21.91	21.86					20 QPSK	50	24	21.89	21.91	21.86						20 QPSK	50	24	21.89	21.91	21.86			20 QPSK	50	24	21.89	21.91	21.86			20 QPSK	50	24	21.89	21.91	21.86			20 QPSK	50	24	21.89	21.91	21.86			20 QPSK	50	24
20 QPSK	50	50	21.80	21.82	21.77					20 QPSK	50	50	22.80	22.85	22.78						20 QPSK	50	50	22.80	22.85	22.78			20 QPSK	50	50	22.80	22.85	22.78			20 QPSK	50	50	22.80	22.85	22.78			20 QPSK	50	50	22.80	22.85	22.78			20 QPSK	50	50
20 QPSK	1	0	21.89	21.92	21.80					20 QPSK	1	0	22.80	22.85	22.86						20 QPSK	1	0	22.80	22.85	22.86			20 QPSK	1	0	22.80	22.85	22.86			20 QPSK	1	0	22.80	22.85	22.86			20 QPSK	1	0	22.80	22.85	22.86			20 QPSK	1	0
20 QPSK	1	49	21.74	21.82	21.77				23	2	20 QPSK	1	49	22.77	22.80	22.81					23	2	20 QPSK	1	49	22.77	22.80	22.81			23	2	20 QPSK	1	49	22.77	22.80	22.81			23	2	20 QPSK	1	49	22.77	22.80	22.81			23	2	20 QPSK	1	49
20 QPSK	50	0	20.94	21.03	20.93					20 QPSK	50	0	21.83	21.93	21.83						20 QPSK	50	0	21.83	21.93	21.83			20 QPSK	50	0	21.83	21.93	21.83			20 QPSK	50	0	21.83	21.93	21.83			20 QPSK	50	0	21.83	21.93	21.83			20 QPSK	50	0
20 QPSK	50	24	20.94	20.98	20.78					20 QPSK	50	24	21.83	21.79	21.79						20 QPSK	50	24	20.94	20.98	20.98			20 QPSK	50	24	20.94	20.98	20.98			20 QPSK	50	24	20.94	20.98	20.98			20 QPSK	50	24	20.94	20.98	20.98			20 QPSK	50	24
20 QPSK	50	50	20.91	20.89	20.78					20 QPSK	50	50	21.83	21.84	21.81						20 QPSK	50	50	20.91	20.89	20.80			20 QPSK	50	50	20.91	20.89	20.80			20 QPSK	50	50	20.91	20.89	20.80			20 QPSK	50	50	20.91	20.89	20.80			20 QPSK	50	50
20 QPSK	1	0	18.75	18.83	18.85					20 QPSK	1	0	18.75	18.83	18.85						20 QPSK	1	0	18.75	18.83	18.85			20 QPSK	1	0	18.75	18.83	18.85			20 QPSK	1	0	18.75	18.83	18.85			20 QPSK	1	0	18.75	18.83	18.85			20 QPSK	1	0
20 QPSK	1	59	18.88	18.87	18.78					20 QPSK	1	59	18.81	18.80	18.80						20 QPSK	1	59	18.81	18.80	18.80			20 QPSK	1	59	18.81	18.80	18.80			20 QPSK	1	59	18.81	18.80	18.80			20 QPSK	1	59	18.81	18.80	18.80			20 QPSK	1	59
20 QPSK	50	0	18.81	18.80	18.88					20 QPSK	50	0	18.84	18.81	18.85						20 QPSK	50	0	18.84	18.81	18.85			20 QPSK	50	0	18.84	18.81	18.85			20 QPSK	50	0	18.84	18.81	18.85			20 QPSK	50	0	18.84	18.81	18.85			20 QPSK	50	0
20 QPSK	50	24	18.95	18.94	18.91					20 QPSK	50	24	18.95	18.94	18.91						20 QPSK	50	24	18.95	18.94	18.91			20 QPSK	50	24	18.95	18.94	18.91			20 QPSK	50	24	18.95	18.94	18.91			20 QPSK	50	24	18.95	18.94	18.91			20 QPSK	50	24
20 QPSK	50	50	18.74	18.85	18.75					20 QPSK	50	50	18.81	18.89	18.82						20 QPSK	50	50	18.81	18.89	18.82			20 QPSK	50	50	18.81	18.89	18.82			20 QPSK	50	50	18.81	18.89	18.82			20 QPSK	50	50	18.81	18.89	18.82			20 QPSK	50	50
20 QPSK	1	0	18.75	18.83	18.79					20 QPSK	1	0	18.74	18.82	18.79						20 QPSK	1	0	18.74	18.82	18.79			20 QPSK	1	0	18.74	18.82	18.79			20 QPSK	1	0	18.74	18.82	18.79			20 QPSK	1	0	18.74	18.82	18.79			20 QPSK	1	0
Channel				18800	19000	19000				Channel				20500	20100	21400				Channel				26000	26100	26400				Channel				130072	130202	130372				Channel				130072	130202	130372									
Frequency (MHz)	0	23.76	23.89	23.81						Frequency (MHz)	0	24.69	24.75	24.71							Frequency (MHz)	0	23.92	23.95	23.95				Frequency (MHz)	0	23.92	23.95	23.95							Frequency (MHz)	0	23.92	23.95	23.95											
15 QPSK	1	49	23.72	23.76	23.76					15 QPSK	1	49	24.72	24.76	24.76						15 QPSK																																		

Band 38 Ant4									
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Mid. Ch./ Freq.	Power Low High Ch./ Freq.	Time-up Int. (min)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	0	24.08	24.08	24.08			
20	QPSK	1	49	25.05	25.04	24.97	25.7	0	
20	QPSK	1	99	24.98	24.98	25.02			
20	QPSK	50	0	24.04	24.13	24.05			
20	QPSK	50	24	24.05	24.05	23.98			
20	QPSK	50	50	24.01	23.95	24.03	24.7	1	
20	QPSK	100	0	24.08	24.05	24.01			
20	16QAM	1	0	24.08	24.05	24.08			
20	16QAM	1	49	24.03	24.07	24.00	24.7	1	
20	16QAM	1	99	23.92	24.00	24.00			
20	16QAM	50	0	23.09	23.14	23.00			
20	16QAM	50	24	23.13	23.04	22.99	23.7	2	
20	16QAM	50	50	23.00	22.92	23.02			
20	16QAM	100	0	23.03	23.03	23.00			
20	54QAM	1	0	23.08	23.05	23.03			
20	54QAM	1	49	23.02	23.06	22.95	23.7	2	
20	54QAM	1	99	22.99	22.99	23.02			
20	54QAM	50	0	22.06	22.14	22.09			
20	54QAM	50	24	22.04	22.15	22.00	22.7	3	
20	54QAM	50	50	22.13	22.06	22.06			
20	256QAM	1	0	20.09	20.08	20.11			
20	256QAM	1	49	20.13	20.12	19.93	20.7	5	
20	256QAM	1	99	20.02	19.98	20.02			
20	256QAM	50	0	20.10	20.09	20.04			
20	256QAM	50	24	20.09	20.11	20.10	20.7	5	
20	256QAM	50	50	19.98	20.06	19.98			
20	256QAM	100	0	19.98	20.03	19.99			
Channel									
37625 38000 38175									
Frequency (MHz)									
15	QPSK	1	0	25.75	25.99	26.125			
15	QPSK	1	37	24.94	25.08	24.96	25.7	0	
15	QPSK	1	37	24.95	25.07	24.88			
15	QPSK	1	74	24.88	24.88	24.94			
15	QPSK	36	0	23.98	24.06	24.02			
15	QPSK	36	20	24.01	24.01	23.99	24.7	1	
15	QPSK	36	39	23.99	23.93	23.94			
15	QPSK	75	0	24.01	24.05	23.95			
15	16QAM	1	0	24.01	23.93	23.94			
15	16QAM	1	37	23.98	23.95	23.96	24.7	1	
15	16QAM	1	74	23.96	23.94	23.97			
15	16QAM	36	0	23.04	23.00	22.96			
15	16QAM	36	20	23.09	23.01	22.89	23.7	2	
15	16QAM	36	39	22.92	23.08	22.93			
15	16QAM	75	0	22.93	22.91	22.95			
15	64QAM	1	0	23.00	22.95	22.91			
15	64QAM	1	37	22.95	22.98	22.89	23.7	2	
15	64QAM	1	74	22.97	22.97	22.98			
15	64QAM	36	0	21.99	22.07	21.98			
15	64QAM	36	20	22.01	22.03	21.91	22.7	3	
15	64QAM	36	39	21.99	21.98	21.93			
15	64QAM	75	0	22.05	21.97	22.02			
15	256QAM	1	0	20.02	19.99	20.00			
15	256QAM	1	37	20.09	19.99	19.80	20.7	5	
15	256QAM	1	74	19.99	19.92	19.98			
15	256QAM	36	0	19.99	19.99	19.91	20.7	5	
15	256QAM	36	20	19.99	20.02	19.97			
15	256QAM	36	39	19.93	20.05	19.88			
15	256QAM	75	0	19.93	19.89	19.93			
Channel									
37625 38000 38175									
Frequency (MHz)									
10	QPSK	1	0	25.05	25.09	25.06			
10	QPSK	1	49	25.02	25.02	24.97	25.7	0	
10	QPSK	1	49	24.98	24.95	24.96			
10	QPSK	25	0	23.93	24.01	23.94			
10	QPSK	25	12	23.99	23.96	23.85	24.7	1	
10	QPSK	25	12	23.95	23.95	23.95			
10	QPSK	50	0	23.99	24.03	23.98			
10	16QAM	1	0	23.96	23.91	24.01			
10	16QAM	1	25	24.01	24.00	23.94	24.7	1	
10	16QAM	1	49	23.92	23.98	23.95			
10	16QAM	25	0	22.99	22.93	22.86	23.7	2	
10	16QAM	25	12	22.95	22.94	22.93			
10	16QAM	25	12	22.95	22.94	22.99			
10	16QAM	50	0	22.99	23.00	22.96			
10	64QAM	1	0	22.98	22.94	22.94			
10	64QAM	1	25	22.95	22.96	22.89	23.7	2	
10	64QAM	1	49	22.91	22.95	22.86			
10	64QAM	25	0	22.03	22.07	22.01			
10	64QAM	25	12	22.02	22.11	21.90	22.7	3	
10	64QAM	25	12	21.97	22.00	21.92			
10	64QAM	50	0	22.07	22.06	22.04			
10	256QAM	1	0	19.91	20.00	20.05	19.80	20.7	5
10	256QAM	1	25	19.99	20.08	20.03	20.06	19.89	20.7
10	256QAM	1	49	20.07	19.97	19.93	19.91	20.02	20.7
10	256QAM	25	0	20.04	20.02	20.02	20.10	20.08	20.7
10	256QAM	25	12	19.97	19.93	20.05	20.00	19.93	20.7
10	256QAM	25	12	19.94	19.94	19.92			
10	256QAM	50	0	19.94	19.91	19.95			
Channel									
37625 38000 38175									
Frequency (MHz)									
5	QPSK	1	0	25.02	25.03	25.00			
5	QPSK	1	12	25.02	24.94	24.93	25.7	0	
5	QPSK	1	24	24.91	24.91	24.92			
5	QPSK	12	0	24.01	24.00	23.99			
5	QPSK	12	7	24.06	24.04	23.91	24.7	1	
5	QPSK	12	13	23.94	23.81	24.01			
5	QPSK	25	0	23.01	23.04	22.95			
5	16QAM	1	0	24.05	23.94	23.95			
5	16QAM	1	12	24.00	23.96	23.92	24.7	1	
5	16QAM	1	24	23.84	23.97	23.91			
5	16QAM	12	0	23.04	22.98	22.95	23.7	2	
5	16QAM	12	7	23.03	22.99	22.94			
5	16QAM	12	13	22.96	22.86	22.97			
5	16QAM	25	0	22.97	23.00	22.92			
5	64QAM	1	0	22.97	23.02	22.97			
5	64QAM	1	12	22.95	22.85	22.91	23.7	2	
5	64QAM	1	24	23.08	22.82	23.04	22.87	23.94	23.7
5	64QAM	12	0	21.96	22.01	22.05	22.01	22.01	22.7
5	64QAM	12	7	21.91	21.92	21.96	22.04	21.91	22.7
5	64QAM	12	13	22.06	21.94	21.98	21.90	22.01	22.7
5	64QAM	25	0	21.94	21.97	22.01	21.94	22.13	20.7
5	256QAM	1	0	19.98	19.94	20.00	20.02	19.92	20.7
5	256QAM	1	12	19.91	19.92	20.02	20.00	19.93	20.7
5	256QAM	1	24	20.03	19.94	19.98	19.88	19.93	20.7
5	256QAM	12	0	19.95	20.00	20.11	20.01	20.05	20.7
5	256QAM	12	7	20.01	20.03	20.03	20.02	19.95	20.7
5	256QAM	12	13	19.94	19.87	20.00	20.01	19.97	20.7
5	256QAM	25	0	20.05	19.87	20.04	19.90	19.89	20.7

Band 41 Ant4										
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Mid. Ch./ Freq.	Power Low High Ch./ Freq.	Time-up Int. (min)	MPR (dB)		
Frequency (MHz)										
20	QPSK	1	0	25.11	25.04	25.14	25.7	0		
20	QPSK	1	49	25.06	24.93	25.11	25.04	25.00	25.7	0
20	QPSK	1	99	25.06	24.95	25.08	24.98	25.06		
20	QPSK	50	0	24.08	24.02	24.16	24.07	24.09		
20	QPSK	50	24	24.08	24.08	24.11	24.09	23.87		
20	QPSK	50	50	24.06	23.97	24.05	24.00	24.04	24.7	1
20	QPSK	100	0	24.07	24.04	24.11	24.09	24.10		
20	16QAM	1	0	24.11	24.04	24.09	24.11	24.06		
20	16QAM	1	49	24.01	23.95	24.06	24.01	24.04	24.7	1
20	16QAM	1	99	24.10	23.92	24.13	23.90	24.00		
20	16QAM	50	0	23.12	22.99	23.21	23.10	23.04		
20	16QAM	50	24	23.04	23.00	23.13	23.06	22.99	23.7	2
20	16QAM	50	50	23.01	22.94	23.08	22.94			
20	16QAM	100	0	23.06	23.08	23.05	23.06	23.14		
20	64QAM	1	0	23.06	23.07	23.13	23.16	23.10		
20	64QAM	1	49	23.06	22.91	23.10	23.15	23.06	23.7	2
20	64QAM	1	99	23.11	22.90	23.09	23.00			
20	64QAM	50	0	22.07	22.07	22.18	22.08	22.10		
20	64QAM	50	24	22.03	21.95	22.08	22.12	21.99	22.7	3
20	64QAM	50	50	22.12	21.98	22.03	21.95			

GSM1900 Ant5 Default									
GSM1900		Transmit Average Power (dBm)			Tune-up		Frame-Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1850.2	1860	1869.8			1850.2	1860	1869.8
GSM 1 Tx slot		30.02	30.12	30.08	31.40		21.02	21.12	21.08
GPRS 1 Tx slot		29.99	30.10	30.05	31.40		20.99	21.10	21.05
GPRS 2 Tx slots		28.99	27.08	27.03	28.40		20.99	21.08	21.03
GPRS 3 Tx slots		25.21	25.34	25.28	26.60		20.95	21.08	21.00
GPRS 4 Tx slots		23.98	24.08	23.99	25.40		20.96	21.06	20.99
EDGE 1 Tx slot		25.31	25.36	25.30	26.70		16.31	16.36	16.30
EDGE 2 Tx slots		22.34	22.45	22.40	23.70		16.34	16.45	16.40
EDGE 3 Tx slots		20.44	20.59	20.53	21.90		16.18	16.33	16.27
EDGE 4 Tx slots		19.28	19.36	19.35	20.70		16.28	16.36	16.35

WCDMA II Ant5 Default									
Band		WCDMA II			Tune-up		WCDMA IV		
TX Channel		9262	9400	9538	Limit		1312	1413	1513
Rx Channel		9662	9800	9938			1537	1638	1738
Frequency (MHz)		1852.4	1860	1867.6			1712.4	1732.6	1752.6
3GPP Rel 99 AMR 12.2kops		22.47	22.45	22.37	24.70		22.49	22.43	22.36
3GPP Rel 99 RMC 12.2kops		23.48	23.57	23.37	24.70		23.49	23.54	23.52
3GPP Rel 6 HSDPA Subtest-1		22.46	22.47	22.33	23.70		22.50	22.50	22.35
3GPP Rel 6 HSDPA Subtest-2		22.43	22.56	22.43	23.70		22.44	22.49	22.36
3GPP Rel 6 HSDPA Subtest-3		21.97	21.96	21.85	23.20		21.94	22.05	21.85
3GPP Rel 6 HSDPA Subtest-4		22.00	21.99	21.83	23.20		21.97	22.05	21.82
3GPP Rel 6 DC-HSDPA Subtest-1		22.50	22.50	22.35	23.70		22.52	22.56	22.41
3GPP Rel 6 DC-HSDPA Subtest-2		22.43	22.45	22.36	23.70		22.50	22.50	22.34
3GPP Rel 6 DC-HSDPA Subtest-3		22.00	22.00	21.87	23.20		21.93	21.97	21.82
3GPP Rel 6 DC-HSDPA Subtest-4		21.95	22.07	21.90	23.20		21.92	22.01	21.81
3GPP Rel 6 HSUPA Subtest-1		22.49	22.48	22.42	23.70		22.54	22.53	22.34
3GPP Rel 6 HSUPA Subtest-2		20.49	20.55	20.42	21.70		20.46	20.47	20.35
3GPP Rel 6 HSUPA Subtest-3		21.43	21.54	21.40	22.70		21.45	21.48	21.34
3GPP Rel 6 HSUPA Subtest-4		20.46	20.54	20.38	21.70		20.54	20.52	20.40
3GPP Rel 6 HSUPA Subtest-5		22.47	22.46	22.37	23.70		22.46	22.45	22.32
3GPP Rel 7 HSPA+ (HSDPA) Subtest-1		20.03	20.05	19.82	21.20		20.02	20.00	19.99

Band 2 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	Ant5 (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.51	23.57	23.53			
20	QPSK	1	8	23.43	23.52	23.48	24.6	0	
20	QPSK	1	96	23.42	23.49	23.45			
20	QPSK	50	0	22.48	22.55	22.53			
20	QPSK	50	24	22.41	22.51	22.46			
20	QPSK	50	50	22.46	22.49	22.49	23.6	1	
20	QPSK	100	0	22.56	22.57	22.49			
20	QPSK	100	0	22.53	22.56	22.54			
20	16QAM	1	49	22.39	22.55	22.50	23.6	1	
20	16QAM	1	99	22.44	22.44	22.50			
20	16QAM	50	0	21.46	21.59	21.54			
20	16QAM	50	24	21.42	21.45	21.45	23.6	2	
20	16QAM	50	50	21.46	21.43	21.46			
20	16QAM	100	0	21.56	21.53	21.50			
20	16QAM	1	0	21.52	21.50	21.58	22.6	2	
20	16QAM	1	49	21.44	21.52	21.54	22.6	2	
20	16QAM	1	99	21.49	21.45	21.55			
20	16QAM	50	0	20.46	20.54	20.56			
20	16QAM	50	24	20.43	20.56	20.42	21.6	3	
20	16QAM	50	50	20.51	20.45	20.52			
20	16QAM	100	0	20.61	20.54	20.51			
20	16QAM	1	0	18.46	18.50	18.49			
20	16QAM	1	49	18.41	18.57	18.41	19.6	5	
20	256QAM	1	99	18.47	18.43	18.44			
20	256QAM	50	0	18.52	18.52	18.44			
20	256QAM	50	24	18.50	18.59	18.59	19.6	5	
20	256QAM	50	50	18.45	18.57	18.45			
20	256QAM	100	0	18.53	18.50	18.54			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.43	23.55	23.41			
15	QPSK	1	87	23.35	23.39	23.39	24.6	0	
15	QPSK	1	74	23.32	23.43	23.37			
15	QPSK	36	0	22.41	22.49	22.48			
15	QPSK	36	36	22.38	22.41	22.41	23.6	1	
15	QPSK	36	36	22.37	22.38	22.38			
15	16QAM	1	7	22.43	22.48	22.47			
15	16QAM	1	7	22.41	22.43	22.40	23.6	1	
15	16QAM	1	37	22.27	22.49	22.38			
15	16QAM	1	74	22.32	22.33	22.33			
15	16QAM	36	0	21.37	21.54	21.52			
15	16QAM	36	20	21.39	21.37	21.38	23.6	2	
15	16QAM	36	36	21.42	21.47	21.45			
15	16QAM	75	0	21.51	21.47	21.43			
15	16QAM	1	0	21.47	21.43	21.48	23.6	2	
15	16QAM	1	37	21.32	21.49	21.45			
15	16QAM	1	74	21.40	21.35	21.50			
15	16QAM	36	0	20.34	20.52	20.48			
15	16QAM	36	36	20.35	20.45	20.45	21.6	3	
15	16QAM	36	36	20.42	20.41	20.45			
15	16QAM	75	0	20.52	20.47	20.45			
15	256QAM	1	0	18.37	18.45	18.45			
15	256QAM	1	37	18.34	18.53	18.34	19.6	5	
15	256QAM	1	74	18.41	18.39	18.39			
15	256QAM	36	0	18.54	18.41	18.42			
15	256QAM	36	20	18.47	18.52	18.46	19.6	5	
15	256QAM	36	36	18.31	18.45	18.38			
15	256QAM	75	0	18.43	18.35	18.45			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.47	23.49	23.45			
5	QPSK	1	49	23.35	23.39	23.34	24.6	0	
5	QPSK	1	49	23.34	23.37	23.42			
5	QPSK	25	0	22.36	22.40	22.36			
5	QPSK	25	25	22.38	22.43	22.34	23.6	1	
5	QPSK	25	25	22.37	22.41	22.46			
5	16QAM	1	0	22.48	22.48	22.42			
5	16QAM	1	25	22.46	22.49	22.51	23.6	1	
5	16QAM	1	25	22.34	22.50	22.39			
5	16QAM	1	86	21.34	21.40	21.40			
5	16QAM	25	12	21.29	21.38	21.40	23.6	2	
5	16QAM	25	12	21.34	21.35	21.40			
5	16QAM	50	0	21.51	21.40	21.43			
5	16QAM	1	0	21.44	21.37	21.45	23.6	2	
5	16QAM	1	86	21.30	21.32	21.45			
5	16QAM	1	49	21.39	21.38	21.41			
5	16QAM	25	0	20.42	20.46	20.50			
5	16QAM	25	12	20.33	20.51	20.43	21.6	3	
5	16QAM	25	25	20.44	20.42	20.46			
5	256QAM	1	0	18.53	18.45	18.38			
5	256QAM	1	25	18.35	18.49	18.38	19.6	5	
5	256QAM	1	49	18.46	18.35	18.31			
5	256QAM	25	0	18.52	18.45	18.51			
5	256QAM	25	12	18.38	18.55	18.34	19.6	5	
5	256QAM	25	25	18.38	18.53	18.43			
5	256QAM	50	0	18.35	18.41	18.42			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.45	23.49	23.45			
15	QPSK	1	8	23.45	23.49	23.42	24.6	0	
15	QPSK	1	14	23.39	23.40	23.35			
15	QPSK	8	0	22.37	22.50	22.47			
15	QPSK	8	4	22.37	22.47	22.33	23.6	1	
15	QPSK	7	7	22.42	22.33	22.40			
15	QPSK	15	0	22.54	22.41	22.44			
15	16QAM	1	0	22.48	22.49	22.47			
15	16QAM	1	8	22.26	22.52	22.37	23.6	1	
15	16QAM	1	14	22.34	22.41	22.45			
15	16QAM	8	0	21.39	21.56	21.41			
15	16QAM	8	4	21.31	21.38	21.40	23.6	2	
15	16QAM	8	7	21.42	21.36	21.44			
15	16QAM	15	0	21.52	21.41	21.45			
15	16QAM	1	0	21.49	21.43	21.52	23.6	2	
15	16QAM	1	8	21.31	21.60	21.50			
15	16QAM	1	14	21.37	21.32	21.43			
15	16QAM	8	4	20.33	20.48	20.38	21.6	3	
15	16QAM	8	7	20.45	20.40	20.40			
15	256QAM	1	0	18.39	18.47	18.43			
15	256QAM	1	8	18.36	18.48	18.32	19.6	5	
15	256QAM	1	14	18.39	18.32	18.30			
15	256QAM	8	0	18.51	18.39	18.40			
15	256QAM	8	4	18.43	18.49	18.48	19.6	5	
15	256QAM	8	7	18.38	18.49	18.38			
15	256QAM	15	0	18.36	18.29	18.42			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.59	23.48	23.49			
1.4	QPSK	1	3	23.33	23.39	23.42	24.6	0	
1.4	QPSK	1	0	23.52	23.35	23.43			
1.4	QPSK	3	0	23.25	23.41	23.39			
1.4	QPSK	3	1	23.23	23.27	23.40			
1.4	QPSK	3	0	23.24	23.24	23.30	23.6	1	
1.4	QPSK	6	0	22.46	22.44	22.42			
1.4	16QAM	1	0	22.45	22.46	22.42			
1.4	16QAM	1	3	22.41	22.37	22.44	23.6	1	
1.4	16QAM	3	0	22.44	22.39	22.34			
1.4	16QAM	3	0	22.17	22.39	22.44			
1.4	16QAM	6	0	21.61	21.41	21.43	23.6	2	
1.4	16QAM	1	0	21.34	21.54	21.43			
1.4	16QAM	1	6	21.36	21.35	21.51	23.6	2	
1.4	16QAM	3	0	21.26	21.32	21.29			
1.4	16QAM	3	1	21.42	21.37	21.37			
1.4	16QAM	3	3	21.28	21.51	21.31	21.6	3	
1.4	16QAM	6	0	20.62	20.46	20.44			
1.4	16QAM	1	0	18.34	18.53	18.35			
1.4	256QAM	1	0	18.30	18.47	18.28			
1.4	256QAM	1	6	18.43	18.35	18.36	19.6	5	
1.4	256QAM	3	0	18.51	18.39	18.42			
1.4	256QAM	3	1	18.37	18.51	18.57			
1.4	256QAM	3	3	18.42	18.45	18.35			
1.4	256QAM	6	0	18.41	18.30	18.47	19.6	5	

Band 4 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	Ant5 (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.38	24.42	24.36			
20	QPSK	1	5	24.36	24.31	24.36	25.6	0	
20	QPSK	1	96	24.28	24.29	24.31			
20	QPSK	50	0	23.40	23.43	23.42			
20	QPSK	50	24	23.35	23.35	23.42			
20	QPSK	50	50	23.24	23.32	23.27	24.6	1	
20	QPSK								

Band 25 Ant5 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-slot (frames)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.52	23.59	23.57		24.7	0			
20	QPSK	1	49	23.43	23.54	23.48						
20	QPSK	1	99	23.47	23.52	23.63						
20	QPSK	50	0	22.51	22.60	22.66						
20	QPSK	50	24	22.39	22.50	22.60						
20	QPSK	50	50	22.45	22.46	22.49		23.7	1			
20	QPSK	100	0	22.46	22.58	22.61						
20	16QAM	1	0	22.55	22.59	22.61						
20	16QAM	1	49	22.42	22.58	22.49		23.7	1			
20	16QAM	1	99	22.42	22.59	22.63						
20	16QAM	50	0	21.68	21.62	21.58						
20	16QAM	50	24	21.42	21.52	21.45		22.7	2			
20	16QAM	50	50	21.60	21.44	21.47						
20	16QAM	100	0	21.47	21.52	21.61						
20	84QAM	1	0	21.55	21.57	21.61						
20	84QAM	1	49	21.46	21.53	21.44		22.7	2			
20	84QAM	1	99	21.48	21.51	21.48						
20	84QAM	50	0	20.51	20.58	20.50						
20	84QAM	50	24	20.34	20.46	20.46						
20	84QAM	50	50	20.63	20.41	20.44		21.7	3			
20	84QAM	100	0	20.44	20.59	20.50						
20	256QAM	1	0	18.47	18.58	18.46						
20	256QAM	1	49	18.42	18.55	18.52		10.7	5			
20	256QAM	1	99	18.41	18.48	18.44						
20	256QAM	50	0	18.24	18.52	18.48						
20	256QAM	50	24	18.57	18.63	18.61		10.7	5			
20	256QAM	50	50	18.58	18.56	18.47						
20	256QAM	100	0	18.41	18.50	18.43						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.48	23.48	23.46						
15	QPSK	1	37	23.40	23.45	23.43		24.7	0			
15	QPSK	1	74	23.49	23.39	23.40						
15	QPSK	36	0	22.42	22.57	22.48						
15	QPSK	36	36	22.39	22.38	22.46						
15	QPSK	36	36	22.41	22.32	22.37		23.7	1			
15	16QAM	1	0	22.40	22.42	22.49						
15	16QAM	1	74	22.42	22.52	22.58						
15	16QAM	1	37	22.29	22.59	22.38		23.7	1			
15	16QAM	1	74	22.47	22.59	22.48						
15	16QAM	36	0	21.38	21.52	21.49						
15	16QAM	36	20	21.38	21.44	21.34		22.7	2			
15	16QAM	36	36	21.47	21.47	21.48						
15	16QAM	75	0	21.40	21.40	21.58						
15	84QAM	1	0	21.50	21.47	21.51						
15	84QAM	1	37	21.58	21.47	21.48		22.7	2			
15	84QAM	1	74	21.42	21.38	21.44						
15	84QAM	36	0	20.45	20.60	20.47						
15	84QAM	36	26	20.23	20.43	20.46						
15	84QAM	36	36	20.51	20.37	20.52		21.7	3			
15	84QAM	75	0	20.58	20.61	20.54						
15	256QAM	1	0	18.24	18.51	18.56						
15	256QAM	1	37	18.29	18.47	18.49		10.7	5			
15	256QAM	1	74	18.37	18.37	18.37						
15	256QAM	36	0	18.24	18.43	18.46						
15	256QAM	36	20	18.47	18.52	18.49		10.7	5			
15	256QAM	36	36	18.27	18.54	18.43						
15	256QAM	75	0	18.26	18.30	18.40						
Channel												
Frequency (MHz)												
10	QPSK	1	0	18.25	18.30	18.30						
10	QPSK	1	25	23.40	23.44	23.36		24.7	0			
10	QPSK	1	49	23.43	23.47	23.45						
10	QPSK	1	74	23.46	23.54	23.48						
10	QPSK	25	12	22.33	22.45	22.38						
10	QPSK	25	25	22.34	22.32	22.46						
10	16QAM	1	0	22.51	22.48	22.49						
10	16QAM	1	25	22.51	22.47	22.37		23.7	1			
10	16QAM	1	49	22.47	22.56	22.46						
10	16QAM	25	0	21.34	21.36	21.48						
10	16QAM	25	12	21.31	21.39	21.39		22.7	2			
10	16QAM	25	26	21.43	21.41	21.38						
10	16QAM	50	0	21.34	21.50	21.47						
10	84QAM	1	0	21.49	21.47	21.52						
10	84QAM	1	26	21.40	21.44	21.38		22.7	2			
10	84QAM	1	49	21.38	21.45	21.39						
10	84QAM	25	0	20.38	20.65	20.57						
10	84QAM	25	12	20.27	20.33	20.41						
10	84QAM	25	26	20.57	20.36	20.52		21.7	3			
10	84QAM	50	0	20.35	20.53	20.47						
10	256QAM	1	0	18.41	18.48	18.55						
10	256QAM	1	25	18.21	18.52	18.47		10.7	5			
10	256QAM	1	49	18.37	18.59	18.58						
10	256QAM	25	0	18.39	18.30	18.51						
10	256QAM	25	12	18.44	18.52	18.56		10.7	5			
10	256QAM	25	26	18.35	18.52	18.40						
10	256QAM	50	0	18.38	18.36	18.37						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.45	23.45	23.45						
5	QPSK	1	12	23.25	23.40	23.44		24.7	0			
5	QPSK	1	24	23.42	23.49	23.48						
5	QPSK	12	0	22.17	22.51	22.52						
5	QPSK	12	7	22.50	22.45	22.57						
5	QPSK	12	13	22.31	22.38	22.41		23.7	1			
5	QPSK	24	0	22.33	22.48	22.56						
5	16QAM	1	0	22.60	22.48	22.51						
5	16QAM	1	12	22.39	22.55	22.37		23.7	1			
5	16QAM	1	24	22.33	22.45	22.40						
5	16QAM	12	0	21.33	21.60	21.45						
5	16QAM	12	7	21.35	21.41	21.33		22.7	2			
5	16QAM	12	13	21.45	21.31	21.38						
5	16QAM	24	0	21.43	21.50	21.58						
5	84QAM	1	0	21.52	21.55	21.57						
5	84QAM	1	12	21.59	21.48	21.53		22.7	2			
5	84QAM	1	24	21.43	21.45	21.43						
5	84QAM	12	0	20.43	20.61	20.54						
5	84QAM	12	7	20.28	20.43	20.38		21.7	3			
5	84QAM	12	13	20.52	20.35	20.33						
5	84QAM	25	0	20.34	20.50	20.52						
5	256QAM	1	0	18.43	18.44	18.56						
5	256QAM	1	12	18.34	18.47	18.49		10.7	5			
5	256QAM	1	24	18.36	18.44	18.40						
5	256QAM	12	0	18.38	18.47	18.57						
5	256QAM	12	7	18.53	18.52	18.56		10.7	5			
5	256QAM	12	13	18.25	18.48	18.44						
5	256QAM	25	0	18.28	18.40	18.40						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.45	23.48	23.52						
3	QPSK	1	8	23.42	23.41	23.38		24.7	0			
3	QPSK	1	14	23.44	23.41	23.45						
3	QPSK	8	0	22.45	22.57	22.53						
3	QPSK	8	4	22.52	22.46	22.49						
3	QPSK	8	7	22.38	22.39	22.38		23.7	1			
3	QPSK	16	0	22.33	22.45	22.45						
3	16QAM	1	0	22.45	22.45	22.52						
3	16QAM	1	8	22.35	22.54	22.37		23.7	1			
3	16QAM	1	14	22.32	22.47	22.40						
3	16QAM	8	0	21.38	21.53	21.52						
3	16QAM	8	4	21.32	21.42	21.32		22.7	2			
3	16QAM	8	7	21.40	21.39	21.39						
3	16QAM	16	0	21.38	21.38	21.51						
3	84QAM	1	0	21.47	21.48	21.53						
3	84QAM	1	8	21.38	21.45	21.38		22.7	2			
3	84QAM	1	14	21.39	21.46	21.43						
3	84QAM	8	4	20.34	20.38	20.43						
3	84QAM	8	7	20.38	20.28	20.34		21.7	3			
3	84QAM	16	0	20.33	20.48	20.47						
3	256QAM	1	0	18.38	18.55	18.55						
3	256QAM	1	8	18.39	18.43	18.41		10.7	5			
3	256QAM	1	14	18.38	18.41	18.32						
3	256QAM	8	0	18.37	18.49	18.53						
3	256QAM	8	4	18.43	18.51	18.50		10.7	5			
3	256QAM	8	7	18.38								

Band 38 Ant5 Default									
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch. (F/Freq)	Power Low Mid. (F/Freq)	Power Low High. (F/Freq)	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.59	24.59	24.59			
20	QPSK	1	49	24.53	24.58	24.50	25.5	0	
20	QPSK	1	99	24.50	24.52	24.42			
20	QPSK	50	0	23.56	23.71	23.57			
20	QPSK	50	24	23.55	23.68	23.45			
20	QPSK	50	50	23.47	23.46	23.48	24.5	1	
20	QPSK	100	0	23.61	23.68	23.58			
20	16QAM	1	0	23.59	23.59	23.53			
20	16QAM	1	49	23.50	23.50	23.52	24.5	1	
20	16QAM	1	99	23.47	23.52	23.43			
20	16QAM	50	0	22.57	22.85	22.52			
20	16QAM	50	24	22.61	22.90	22.45	23.5	2	
20	16QAM	50	50	22.49	22.48	22.42			
20	16QAM	100	0	22.64	22.67	22.57			
20	54QAM	1	0	22.55	22.61	22.47			
20	54QAM	1	49	22.54	22.50	22.56	23.5	2	
20	54QAM	1	99	22.49	22.53	22.46			
20	54QAM	50	0	21.60	21.70	21.57			
20	54QAM	50	24	21.51	21.61	21.41	22.5	3	
20	54QAM	50	50	21.45	21.42	21.43			
20	54QAM	100	0	21.66	21.68	21.52			
20	256QAM	1	0	18.61	18.67	18.54			
20	256QAM	1	49	19.59	19.53	19.41	20.5	5	
20	256QAM	1	99	19.43	19.51	19.40			
20	256QAM	50	0	19.65	19.64	19.63			
20	256QAM	50	24	19.54	19.55	19.57	20.5	5	
20	256QAM	50	50	19.62	19.56	19.52			
20	256QAM	100	0	19.64	19.61	19.43			
Channel									
Frequency (MHz)									
15	QPSK	1	0	25.75	25.90	25.75			
15	QPSK	1	49	24.50	24.62	24.51	25.5	0	
15	QPSK	1	97	24.59	24.58	24.42			
15	QPSK	1	74	24.38	24.42	24.29			
15	QPSK	36	0	23.53	23.65	23.46			
15	QPSK	36	20	23.47	23.56	23.40	24.5	1	
15	QPSK	36	39	23.40	23.38	23.46			
15	QPSK	75	0	23.50	23.61	23.50			
15	16QAM	1	0	23.55	23.52	23.47			
15	16QAM	1	49	23.45	23.46	23.41	24.5	1	
15	16QAM	1	74	23.39	23.47	23.32			
15	16QAM	36	0	22.53	22.56	22.49			
15	16QAM	36	20	22.58	22.47	22.33	23.5	2	
15	16QAM	36	39	22.45	22.38	22.36			
15	16QAM	75	0	22.62	22.59	22.43			
15	64QAM	1	0	22.47	22.50	22.36			
15	64QAM	1	37	22.51	22.41	22.48	23.5	2	
15	64QAM	1	74	22.41	22.44	22.34			
15	64QAM	36	0	21.52	21.66	21.45			
15	64QAM	36	20	21.47	21.50	21.32	22.5	3	
15	64QAM	36	39	21.35	21.37	21.33			
15	64QAM	75	0	21.52	21.60	21.42			
15	256QAM	1	0	19.58	19.54	19.42			
15	256QAM	1	37	19.48	19.44	19.36	20.5	5	
15	256QAM	1	74	19.36	19.41	19.45			
15	256QAM	36	0	19.60	19.58	19.48			
15	256QAM	36	20	19.49	19.52	19.46	20.5	5	
15	256QAM	36	39	19.50	19.48	19.39			
15	256QAM	75	0	19.42	19.48	19.37			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.51	24.61	24.50			
10	QPSK	1	49	24.47	24.53	24.39	25.5	0	
10	QPSK	1	99	24.40	24.40	24.34			
10	QPSK	25	0	23.43	23.58	23.51			
10	QPSK	25	12	23.51	23.49	23.31	24.5	1	
10	QPSK	25	24	23.35	23.34	23.25			
10	QPSK	50	0	23.51	23.59	23.45			
10	16QAM	1	0	23.48	23.51	23.43			
10	16QAM	1	25	23.46	23.43	23.41	24.5	1	
10	16QAM	1	49	23.40	23.40	23.32			
10	16QAM	25	0	22.54	22.52	22.49			
10	16QAM	25	12	22.53	22.53	22.31	23.5	2	
10	16QAM	25	24	22.40	22.37	22.36			
10	16QAM	50	0	22.50	22.50	22.43			
10	64QAM	1	0	22.41	22.35	22.35			
10	64QAM	1	25	22.49	22.38	22.49	23.5	2	
10	64QAM	1	49	22.40	22.48	22.37			
10	64QAM	25	0	21.51	21.65	21.47			
10	64QAM	25	12	21.40	21.56	21.35	22.5	3	
10	64QAM	25	24	21.38	21.32	21.30			
10	64QAM	50	0	21.52	21.65	21.46			
10	256QAM	1	0	19.52	19.53	19.50			
10	256QAM	1	25	19.50	19.46	19.32	20.5	5	
10	256QAM	1	49	19.39	19.41	19.47			
10	256QAM	25	0	19.60	19.51	19.50			
10	256QAM	25	12	19.47	19.45	19.47	20.5	5	
10	256QAM	25	24	19.48	19.42	19.41			
10	256QAM	50	0	19.31	19.42	19.30			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.55	24.56	24.47			
5	QPSK	1	12	24.46	24.54	24.40	25.5	0	
5	QPSK	1	24	24.38	24.40	24.29			
5	QPSK	12	0	23.44	23.59	23.52			
5	QPSK	12	7	23.41	23.50	23.34	24.5	1	
5	QPSK	12	13	23.37	23.43	23.34			
5	QPSK	25	0	23.57	23.56	23.49			
5	16QAM	1	0	23.50	23.51	23.49			
5	16QAM	1	12	23.50	23.50	23.47	24.5	1	
5	16QAM	1	24	23.34	23.39	23.32			
5	16QAM	12	0	22.48	22.57	22.42			
5	16QAM	12	7	22.49	22.50	22.36	23.5	2	
5	16QAM	12	13	22.43	22.39	22.31			
5	16QAM	25	0	22.59	22.57	22.47			
5	64QAM	1	0	22.50	22.47	22.39			
5	64QAM	1	12	22.42	22.37	22.45	23.5	2	
5	64QAM	1	24	22.33	22.41	22.33			
5	64QAM	12	0	21.49	21.68	21.51			
5	64QAM	12	7	21.46	21.58	21.31	22.5	3	
5	64QAM	12	13	21.32	21.34	21.30			
5	64QAM	25	0	21.58	21.60	21.49			
5	256QAM	1	0	19.55	19.62	19.46			
5	256QAM	1	12	19.51	19.21	19.38	20.5	5	
5	256QAM	1	24	19.31	19.38	19.36			
5	256QAM	12	0	19.54	19.57	19.56			
5	256QAM	12	7	19.46	19.50	19.43			
5	256QAM	12	13	19.54	19.45	19.39	20.5	5	
5	256QAM	25	0	19.30	19.49	19.34			

Band 41 Ant5 Default									
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch. (F/Freq)	Power Low Mid. (F/Freq)	Power Low High. (F/Freq)	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.51	24.59	24.42			
20	QPSK	1	49	24.29	24.25	24.35	24.22	24.14	25.4
20	QPSK	1	99	24.18	24.25	24.30	24.19	24.20	
20	QPSK	50	0	23.36	23.36	23.41	23.34	23.25	
20	QPSK	50	24	23.38	23.34	23.34	23.17	23.11	
20	QPSK	50	50	23.20	23.20	23.26	23.15	23.17	24.4
20	QPSK	100	0	23.32	23.37	23.38	23.26	23.21	
20	16QAM	1	0	23.28	23.41	23.37	23.28	23.25	
20	16QAM	1	49	23.34	23.22	23.41	23.27	23.15	24.4
20	16QAM	1	99	23.24	23.28	23.31	23.15	23.21	
20	16QAM	50	0	22.26	22.33	22.46	22.24	22.22	
20	16QAM	50	24	22.25	22.28	22.37	22.23	22.15	23.4
20	16QAM	50	50	22.22	22.22	22.25	22.11		
20	16QAM	100	0	22.33	22.44	22.38	22.29	22.17	
20	54QAM	1	0	22.28	22.45	22.40	22.21	22.25	
20	54QAM	1	49	22.25	22.23	22.26	22.24	22.05	23.4
20	54QAM	1	99	22.29	22.25	22.32	22.16	22.23	
20	54QAM	50	0	21.24	21.37	21.39	21.24	21.24	
20	54QAM	50	24	21.32	21.19	21.35	21.13	21.16	22.4
20	54QAM	50	50	21.14	21.17	21.26	21.13	21.16	
20	54QAM	100	0	21.32	21.39	21.38	21.41	21.36	
20	256QAM	1	0	19.22	19.31	19.41	19.39	19.28	
20	256QAM	1	49	19.25	19.23	19.32	19.19	19.12	20.4
20	256QAM	1	99	19.15	19.14	19.18	19.13	19.20	
20	256QAM	50	0	19.2					

Band 4 Ant6 Default												
BW (MHz)	Modulat on	RB Size	RB Offset	Power Low Ch / Freqs	Power Mediu Ch / Freqs	Power High Ch / Freqs	Time-up (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.21	23.33	23.20			24.5	0		
20	QPSK	1	8	23.19	23.13	23.10						
20	QPSK	1	96	23.18	23.17	23.18			23.5	1		
20	QPSK	50	0	22.20	22.28	22.16						
20	QPSK	50	24	22.23	22.12	22.11			23.5	1		
20	QPSK	50	50	22.18	22.23	22.24						
20	QPSK	100	0	22.23	22.22	22.19			23.5	1		
20	QPSK	100	0	22.20	22.18	22.16						
20	16QAM	1	48	22.24	22.17	22.10			23.5	1		
20	16QAM	1	96	22.17	22.21	22.22						
20	16QAM	50	0	21.20	21.29	21.16			23.5	2		
20	16QAM	50	24	21.27	21.21	21.11						
20	16QAM	50	50	21.23	21.24	21.21			23.5	2		
20	16QAM	100	0	21.22	21.25	21.20						
20	16QAM	1	0	21.17	21.19	21.14			23.5	2		
20	16QAM	1	48	21.19	21.21	21.13						
20	16QAM	1	96	21.15	21.20	21.25			23.5	3		
20	16QAM	50	0	20.16	20.20	20.16						
20	16QAM	50	24	20.20	20.20	20.12			23.5	3		
20	16QAM	50	50	20.15	20.20	20.23						
20	16QAM	100	0	20.20	20.20	20.15			19.5	5		
20	16QAM	1	0	18.15	18.27	18.10						
20	256QAM	1	48	18.21	18.21	18.13			19.5	5		
20	256QAM	1	96	18.20	18.19	18.24						
20	256QAM	50	0	18.20	18.22	18.14			19.5	5		
20	256QAM	50	24	18.26	18.13	18.14						
20	256QAM	50	50	18.26	18.12	18.11			19.5	5		
20	256QAM	100	0	18.22	18.20	18.17						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.14	23.17	23.13			24.5	0		
15	QPSK	1	8	23.12	23.10	23.07						
15	QPSK	1	74	23.13	23.14	23.08			23.5	1		
15	QPSK	36	0	22.09	22.17	22.04						
15	QPSK	36	36	22.17	22.13	22.09			23.5	1		
15	QPSK	36	36	22.06	22.13	22.22						
15	16QAM	1	0	22.05	22.11	22.13			23.5	1		
15	16QAM	1	8	22.15	22.06	22.12						
15	16QAM	1	37	22.20	22.20	21.97			23.5	1		
15	16QAM	1	74	22.14	22.12	22.07						
15	16QAM	36	0	21.13	21.20	21.05			23.5	2		
15	16QAM	36	20	21.13	21.12	21.01						
15	16QAM	36	36	21.11	21.19	21.08			23.5	2		
15	16QAM	75	0	21.08	21.09	21.02						
15	16QAM	1	37	21.05	21.24	21.02			23.5	2		
15	16QAM	1	74	21.05	21.24	21.22						
15	16QAM	36	0	20.03	20.13	20.08			23.5	3		
15	16QAM	36	36	20.15	20.12	20.04						
15	16QAM	36	36	20.02	20.15	20.12			19.5	5		
15	16QAM	75	0	18.11	18.23	18.06						
15	256QAM	1	37	18.08	18.14	18.02			19.5	5		
15	256QAM	1	74	18.07	18.09	18.17						
15	256QAM	36	0	18.04	18.03	18.05			19.5	5		
15	256QAM	36	20	18.13	18.03	18.08						
15	256QAM	36	36	18.14	18.06	18.02			19.5	5		
15	256QAM	75	0	18.07	18.11	18.17						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.09	23.13	23.13			24.5	0		
10	QPSK	1	25	23.05	23.17	23.05						
10	QPSK	1	48	23.09	23.13	23.05			23.5	1		
10	QPSK	25	0	22.12	22.09	22.06						
10	QPSK	25	25	22.10	22.18	22.18			23.5	1		
10	QPSK	25	25	22.12	22.10	22.08						
10	16QAM	1	0	22.17	22.10	22.09			23.5	1		
10	16QAM	1	25	22.14	22.09	21.97						
10	16QAM	1	48	22.12	22.13	22.07			23.5	2		
10	16QAM	25	0	21.10	21.17	21.12						
10	16QAM	25	12	21.16	21.16	20.99			23.5	2		
10	16QAM	25	12	21.11	21.13	21.16						
10	16QAM	50	0	21.17	21.21	21.12			23.5	2		
10	16QAM	50	0	21.14	21.06	21.09						
10	16QAM	1	48	21.10	21.13	21.05			23.5	2		
10	16QAM	1	48	21.09	21.21	21.13						
10	16QAM	25	0	20.11	20.22	20.06			23.5	3		
10	16QAM	25	12	20.16	20.12	20.04						
10	16QAM	25	25	20.04	20.06	20.17			23.5	3		
10	16QAM	50	0	20.09	20.20	20.04						
10	256QAM	1	0	18.04	18.17	18.00			19.5	5		
10	256QAM	1	25	18.13	18.11	18.06						
10	256QAM	1	48	18.15	18.11	18.06			19.5	5		
10	256QAM	25	0	18.11	18.17	18.11						
10	256QAM	25	12	18.16	18.06	18.07			19.5	5		
10	256QAM	25	25	18.23	18.06	18.06						
10	256QAM	50	0	18.06	18.09	18.15			19.5	5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.15	23.13	23.13			24.5	0		
5	QPSK	1	12	23.10	23.05	23.08						
5	QPSK	1	24	23.08	23.14	23.06			23.5	1		
5	QPSK	12	0	22.16	22.16	22.06						
5	QPSK	12	7	22.15	22.12	21.97			23.5	1		
5	QPSK	12	13	22.10	22.17	22.17						
5	QPSK	25	0	22.21	22.12	22.11			23.5	1		
5	QPSK	25	0	22.17	22.09	22.08						
5	16QAM	1	0	22.17	22.09	22.08			23.5	1		
5	16QAM	1	12	22.13	22.05	22.04						
5	16QAM	1	14	22.13	22.13	22.05			23.5	2		
5	16QAM	12	0	21.13	21.28	21.13						
5	16QAM	12	7	21.21	21.21	21.07			23.5	2		
5	16QAM	12	13	21.20	21.12	21.12						
5	16QAM	25	0	21.17	21.20	21.10			23.5	2		
5	16QAM	1	0	21.07	21.11	21.02						
5	16QAM	1	12	21.16	21.03	21.04			23.5	2		
5	16QAM	1	24	21.05	21.18	21.23						
5	16QAM	12	0	20.02	20.16	20.12			23.5	3		
5	16QAM	12	7	20.18	20.17	20.08						
5	16QAM	12	13	20.13	20.07	20.17			23.5	3		
5	16QAM	25	0	20.11	20.19	20.06						
5	256QAM	1	0	18.13	18.19	17.99			19.5	5		
5	256QAM	1	12	18.13	18.16	18.11						
5	256QAM	1	24	18.07	18.12	18.19			19.5	5		
5	256QAM	12	0	18.11	18.12	18.12						
5	256QAM	12	7	18.14	17.99	18.10			19.5	5		
5	256QAM	12	13	18.12	18.03	18.01						
5	256QAM	25	0	18.06	18.13	18.23			19.5	5		
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.11	23.13	23.16			24.5	0		
3	QPSK	1	8	23.05	23.10	23.08						
3	QPSK	1	14	23.07	23.11	23.08			23.5	1		
3	QPSK	8	0	22.11	22.16	22.13						

Band 38 Other PA Ant6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up (mtd (dB))	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)				25950	25995	26100				
20	QPSK	1	0	23.41	23.44	23.39	24.4	0		
20	QPSK	1	49	23.33	23.36	23.32				
20	QPSK	1	99	23.30	23.31	23.36				
20	QPSK	50	0	22.36	22.48	22.34	23.4	1		
20	QPSK	50	24	22.34	22.32	22.28				
20	QPSK	50	50	22.26	22.29	22.32				
20	QPSK	100	0	22.41	22.43	22.38	23.4	1		
20	16QAM	1	0	22.44	22.42	22.39				
20	16QAM	1	49	22.32	22.32	22.34				
20	16QAM	1	99	22.28	22.27	22.32	22.4	2		
20	16QAM	50	0	21.42	21.44	21.42				
20	16QAM	50	24	21.30	21.29	21.28				
20	16QAM	50	50	21.30	21.33	21.34	21.4	3		
20	16QAM	100	0	21.38	21.46	21.32				
20	64QAM	1	0	21.49	21.42	21.42				
20	64QAM	1	49	21.26	21.38	21.37	22.4	2		
20	64QAM	1	99	21.25	21.22	21.38				
20	64QAM	50	0	20.36	20.45	20.28				
20	64QAM	50	24	20.30	20.27	20.31	19.4	5		
20	64QAM	50	50	20.28	20.31	20.38				
20	64QAM	100	0	20.37	20.39	20.39				
20	256QAM	1	0	18.38	18.43	18.38	19.4	5		
20	256QAM	1	49	18.37	18.31	18.26				
20	256QAM	1	99	18.24	18.26	18.26				
20	256QAM	50	0	18.39	18.48	18.39	19.4	5		
20	256QAM	50	24	18.45	18.44	18.39				
20	256QAM	50	50	18.13	18.37	18.33				
20	256QAM	100	0	18.28	18.37	18.33				
Channel				37625	38000	38175	Turn-up (mtd (dB))	MPR (dB)		
Frequency (MHz)				25775	25950	26025				
15	QPSK	1	0	23.35	23.35	23.29	24.4	0		
15	QPSK	1	37	23.21	23.28	23.26				
15	QPSK	1	74	23.16	23.21	23.29				
15	QPSK	36	0	22.24	22.42	22.22	23.4	1		
15	QPSK	36	20	22.32	22.26	22.24				
15	QPSK	36	36	22.20	22.16	22.19				
15	QPSK	75	0	22.30	22.39	22.28	23.4	1		
15	16QAM	1	0	22.37	22.39	22.28				
15	16QAM	1	37	22.30	22.25	22.22				
15	16QAM	1	74	22.17	22.16	22.23	22.4	2		
15	16QAM	36	0	21.38	21.34	21.25				
15	16QAM	36	20	21.25	21.18	21.24				
15	16QAM	36	39	21.23	21.23	21.26	22.4	2		
15	16QAM	75	0	21.34	21.39	21.27				
15	64QAM	1	0	21.30	21.30	21.32				
15	64QAM	1	37	21.14	21.32	21.26	21.4	3		
15	64QAM	1	74	21.21	21.08	21.30				
15	64QAM	36	0	20.27	20.36	20.25				
15	64QAM	36	20	20.20	20.19	20.28	19.4	5		
15	64QAM	36	39	20.20	20.22	20.25				
15	64QAM	75	0	20.33	20.29	20.32				
15	256QAM	1	0	18.27	18.34	18.30				
15	256QAM	1	37	18.30	18.23	18.23	19.4	5		
15	256QAM	1	74	18.20	18.22	18.17				
15	256QAM	36	0	18.27	18.35	18.34				
15	256QAM	36	20	18.32	18.38	18.29				
15	256QAM	36	39	18.28	18.27	18.22	19.4	5		
15	256QAM	75	0	18.15	18.24	18.21				
15	256QAM	75	0	18.15	18.24	18.21				
Channel				37625	38000	38200	Turn-up (mtd (dB))		MPR (dB)	
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.33	23.39	23.32	24.4	0		
10	QPSK	1	25	23.21	23.22	23.29				
10	QPSK	1	49	23.25	23.20	23.26				
10	QPSK	25	0	22.23	22.41	22.29	23.4	1		
10	QPSK	25	12	22.25	22.22	22.15				
10	QPSK	25	25	22.16	22.24	22.26				
10	QPSK	50	0	22.38	22.31	22.26	23.4	1		
10	16QAM	1	0	22.37	22.34	22.25				
10	16QAM	1	25	22.19	22.26	22.29				
10	16QAM	1	49	22.20	22.20	22.23	22.4	2		
10	16QAM	25	0	21.37	21.37	21.32				
10	16QAM	25	12	21.22	21.22	21.23				
10	16QAM	25	25	21.16	21.21	21.24	22.4	2		
10	16QAM	50	0	21.26	21.44	21.23				
10	64QAM	1	0	21.41	21.33	21.33				
10	64QAM	1	25	21.22	21.22	21.26	21.4	3		
10	64QAM	1	49	21.23	21.16	21.34				
10	64QAM	25	0	20.23	20.37	20.20				
10	64QAM	25	12	20.24	20.16	20.26	19.4	5		
10	64QAM	25	25	20.16	20.19	20.24				
10	64QAM	50	0	20.31	20.35	20.25				
10	256QAM	1	0	18.28	18.35	18.26	19.4	5		
10	256QAM	1	25	18.35	18.27	18.22				
10	256QAM	1	49	18.10	18.12	18.13				
10	256QAM	25	0	18.31	18.39	18.28	19.4	5		
10	256QAM	25	12	18.39	18.41	18.31				
10	256QAM	25	25	18.29	18.25	18.23				
10	256QAM	50	0	18.15	18.22	18.16				
Channel				37775	38000	38225	Turn-up (mtd (dB))	MPR (dB)		
Frequency (MHz)				25925	25950	26175				
5	QPSK	1	0	23.27	23.35	23.27	24.4	0		
5	QPSK	1	12	23.26	23.26	23.24				
5	QPSK	1	24	23.21	23.21	23.25				
5	QPSK	12	0	22.26	22.38	22.31	23.4	1		
5	QPSK	12	7	22.25	22.30	22.15				
5	QPSK	12	13	22.14	22.17	22.24				
5	QPSK	25	0	22.31	22.32	22.25	23.4	1		
5	16QAM	1	0	22.38	22.32	22.37				
5	16QAM	1	12	22.27	22.25	22.25				
5	16QAM	1	24	22.17	22.21	22.28	22.4	2		
5	16QAM	12	0	21.39	21.32	21.27				
5	16QAM	12	7	21.19	21.16	21.17				
5	16QAM	12	13	21.26	21.29	21.21	22.4	2		
5	16QAM	25	0	21.32	21.41	21.23				
5	64QAM	1	0	21.41	21.34	21.36				
5	64QAM	1	12	21.20	21.28	21.24	21.4	3		
5	64QAM	1	24	21.13	21.13	21.26				
5	64QAM	12	0	20.33	20.42	20.14				
5	64QAM	12	7	20.20	20.16	20.21	19.4	5		
5	64QAM	12	13	20.25	20.17	20.20				

Band 42 AnT8 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-up (s)	Time-down (s)	MPE (dB)
		Channel		Ch/Off	Ch/Off	Ch/Off	Ch/Off			
		Frequency (MHz)		42190	42290	42390	42490			
20	QPSK	1	0	21.05	21.05	20.96	20.96			
20	QPSK	1	49	20.96	21.06	20.90	20.90	22.1	0	
20	QPSK	1	99	20.94	21.01	20.86	20.86			
20	QPSK	50	0	20.06	20.07	19.98	19.98			
20	QPSK	50	24	19.98	20.00	19.87	19.87	21.1	1	
20	QPSK	50	50	19.95	19.96	19.83	19.83			
20	QPSK	100	0	20.00	20.04	20.01	20.01			
20	16QAM	1	0	20.05	20.05	19.93	19.93			
20	16QAM	1	49	19.97	20.07	19.94	19.94	21.1	1	
20	16QAM	1	99	19.96	20.00	19.87	19.87			
20	16QAM	50	0	19.02	19.09	19.01	19.01			
20	16QAM	50	24	18.95	19.05	18.84	18.84	20.1	2	
20	16QAM	50	50	18.90	18.91	18.82	18.82			
20	16QAM	100	0	19.00	19.00	18.88	18.88			
20	16QAM	1	49	18.96	19.03	18.84	18.84	20.1	2	
20	16QAM	1	99	18.90	19.00	18.82	18.82			
20	16QAM	50	24	17.98	18.02	18.00	18.00			
20	16QAM	50	50	17.96	18.01	17.88	17.88	19.1	3	
20	16QAM	100	0	17.95	17.98	17.87	17.87			
20	256QAM	1	0	16.02	16.09	17.98	17.98			
20	256QAM	1	0	16.09	16.09	15.95	15.95			
20	256QAM	1	49	16.03	16.06	15.93	15.93	17.1	5	
20	256QAM	1	99	15.99	15.92	15.89	15.89			
20	256QAM	50	0	15.97	16.03	16.06	16.06			
20	256QAM	50	24	16.02	16.03	15.96	15.96			
20	256QAM	50	50	15.93	16.03	15.86	15.86	17.1	5	
20	256QAM	100	0	15.90	15.90	15.87	15.87			
		Channel		42165	42260	42305	42405			MPE (dB)
		Frequency (MHz)		3457.5	3500	3542.5	3585			
15	QPSK	1	0	20.94	20.97	20.89	20.89			
15	QPSK	1	49	20.92	20.96	20.83	20.83	22.1	0	
15	QPSK	1	74	20.82	20.99	20.80	20.80			
15	QPSK	36	0	19.93	20.04	19.91	19.91			
15	QPSK	36	20	19.84	20.04	19.76	19.76	21.1	1	
15	QPSK	36	39	19.81	19.90	19.77	19.77			
15	QPSK	1	49	19.96	19.96	19.86	19.86			
15	16QAM	1	0	19.97	19.93	19.82	19.82			
15	16QAM	1	37	19.86	19.96	19.80	19.80	21.1	1	
15	16QAM	1	74	19.88	19.97	19.75	19.75			
15	16QAM	36	0	18.97	19.05	18.90	18.90			
15	16QAM	36	20	18.92	19.05	18.73	18.73	20.1	2	
15	16QAM	75	0	18.91	18.96	18.85	18.85			
15	16QAM	1	0	18.97	18.96	18.85	18.85			
15	16QAM	1	49	18.95	18.96	18.85	18.85	20.1	2	
15	16QAM	1	74							

Band 48 Ant8											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Low Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Time-to-Acquire (ms)	MPJ (dB)	TBS (bits/s)	TBS (bits/s)
Channel	Frequency (MHz)	0	53530	53630	56150	56640					
20	QPSK	1	0	20.08	20.11	20.05	20.01				
20	QPSK	1	49	20.05	20.07	19.92	19.89	21.2	0		
20	QPSK	1	99	19.94	19.96	19.93	19.89				
20	QPSK	50	0	19.07	19.10	19.09	19.07				
20	QPSK	50	24	18.96	19.00	18.99	18.95	20.2	1		
20	QPSK	50	50	18.94	18.97	18.95	18.92				
20	QPSK	100	0	19.08	19.09	19.05	19.00				
20	16QAM	1	0	19.07	19.07	19.08	19.00				
20	16QAM	1	49	19.01	19.10	18.98	18.91	20.2	1		
20	16QAM	1	99	18.95	18.95	18.96	18.89				
20	16QAM	50	0	18.08	18.08	18.06	18.13				
20	16QAM	50	24	18.05	18.03	17.90	17.93	19.2	2		
20	16QAM	50	50	17.98	18.00	18.01	17.89				
20	16QAM	100	0	18.08	18.10	18.07	18.00				
20	64QAM	0	0	18.06	18.07	18.08	18.01				
20	64QAM	1	49	18.03	18.10	17.92	17.89	19.2	2		
20	64QAM	1	99	17.86	18.00	17.96	18.01				
20	64QAM	50	0	17.99	17.10	17.10	17.05				
20	64QAM	50	24	17.05	17.86	17.86	17.81	18.2	3		
20	64QAM	50	50	16.98	16.95	17.00	16.91				
20	64QAM	100	0	17.17	17.12	17.13	17.01				
20	256QAM	1	0	15.13	15.13	15.14	15.08				
20	256QAM	1	49	15.13	15.01	14.96	14.91	16.2	5		
20	256QAM	1	99	14.89	14.92	14.94	14.96				
20	256QAM	50	0	15.11	15.07	15.05	14.97				
20	256QAM	50	24	15.07	15.08	15.13	14.96				
20	256QAM	50	50	15.04	15.07	14.96	14.91	16.2	5		
20	256QAM	100	0	14.99	14.94	14.95	14.87				
Channel	Frequency (MHz)	53515	53620	56160	56655			Time-to-Acquire (ms)	MPJ (dB)	TBS (bits/s)	TBS (bits/s)
0	0	19.97	20.09	19.96	19.88						
15	QPSK	1	0	20.09	20.09	19.96	19.94	21.2	0		
15	QPSK	1	74	19.85	19.98	19.91	19.85				
15	QPSK	36	20	19.02	19.08	19.01	19.03				
15	QPSK	36	20	18.98	18.94	18.76	18.81	20.2	1		
15	QPSK	36	99	18.84	18.86	18.87	18.85				
15	QPSK	1	0	19.00	19.00	19.00	18.95				
15	16QAM	1	74	18.93	18.91	18.77	18.86	20.2	1		
15	16QAM	1	37	18.57	18.61	18.67	18.62				
15	16QAM	36	20	17.74	17.68	17.70	17.61	19.2	2		
15	16QAM	36	20	17.55	17.54	17.62	17.51				
15	16QAM	36	39	17.83	17.83	17.97	17.86				
15	16QAM	75	0	18.03	18.12	17.98	17.96				
15	16QAM	75	0								

Band 42 Ant9 Default									
BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune up [dB]	MPR (dB)	
Channel				43190	43590	43990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.31	24.30	24.35			
20	QPSK	1	49	24.26	24.34	24.22	25.5	0	
20	QPSK	1	89	24.25	24.30	24.31			
20	QPSK	50	0	23.37	23.41	23.37			
20	QPSK	50	24	23.31	23.29	23.26	24.5	1	
20	QPSK	50	50	23.30	23.35	23.34			
20	QPSK	100	0	22.28	23.37	23.41			
20	16QAM	1	0	23.28	23.34	23.34			
20	16QAM	1	49	23.20	23.38	23.18	24.5	1	
20	16QAM	1	99	23.30	23.26	23.35			
20	16QAM	50	0	22.40	22.41	22.32			
20	16QAM	50	24	23.35	23.37	23.28			
20	16QAM	50	50	22.28	22.33	22.30	23.5	2	
20	16QAM	100	0	22.30	22.34	22.39			
20	64QAM	1	0	22.22	22.40	22.34			
20	64QAM	1	49	22.16	22.35	22.22	23.5	2	
20	64QAM	1	99	22.31	22.21	22.38			
20	64QAM	50	0	21.31	21.44	21.39			
20	64QAM	50	24	21.34	21.27	21.29	22.5	3	
20	64QAM	50	50	21.32	21.33	21.34			
20	64QAM	100	0	21.29	21.42	21.39			
20	256QAM	1	0	19.42	19.42	19.39			
20	256QAM	1	49	19.30	19.25	19.29	20.5	5	
20	256QAM	1	99	19.34	19.37	19.35			
20	256QAM	50	0	19.27	19.32	19.43			
20	256QAM	50	24	19.27	19.34	19.30	20.5	5	
20	256QAM	50	50	19.14	19.30	19.23			
20	256QAM	100	0	19.28	19.28	19.36			
Channel				42195	42590	43015	rate up [dB]	MPR (dB)	
Frequency (MHz)				3457.5	3499	3542.5			
15	QPSK	1	0	24.27	24.33	24.21			
15	QPSK	1	37	24.20	24.25	24.10	25.5	0	
15	QPSK	1	74	24.11	24.26	24.17			
15	QPSK	38	0	23.24	23.38	23.33			
15	QPSK	38	20	23.23	23.18	23.15			
15	QPSK	38	39	23.20	23.31	23.22	24.5	1	
15	QPSK	75	0	23.17	23.33	23.32			
15	16QAM	1	0	23.25	23.22	23.20			
15	16QAM	1	37	23.09	23.25	23.10	24.5	1	
15	16QAM	1	74	23.18	23.21	23.31			
15	16QAM	38	0	22.33	22.35	22.29			
15	16QAM	38	20	22.28	22.18	22.15	23.5	2	
15	16QAM	38	39	22.19	22.21	22.20			
15	16QAM	75	0	22.21	22.24	22.28			
15	64QAM	1	0	22.08	22.34	22.25			
15	64QAM	1	37	22.13	22.27	22.19	23.5	2	
15	64QAM	1	74	22.20	22.19	22.26			
15	64QAM	38	0	21.22	21.40	21.31			
15	64QAM	38	20	21.24	21.21	21.18	22.5	3	
15	64QAM	38	39	21.29	21.25	21.26			
15	64QAM	75	0	21.15	21.29	21.35			
15	256QAM	1	0	19.39	19.37	19.35			
15	256QAM	1	37	19.27	19.20	19.23	20.5	5	
15	256QAM	1	74	19.22	19.35	19.24			
15	256QAM	38	0	19.23	19.23	19.31			
15	256QAM	38	20	19.25	19.21	19.21	20.5	5	
15	256QAM	38	39	19.02	19.34	19.20			
15	256QAM	75	0	19.18	19.16	19.27			
Channel				42140	42590	43040	rate up [dB]	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.17	24.36	24.30			
10	QPSK	1	25	24.20	24.23	24.16	25.5	0	
10	QPSK	1	49	24.21	24.21	24.17			
10	QPSK	25	0	23.25	23.28	23.33			
10	QPSK	25	12	23.23	23.25	23.17	24.5	1	
10	QPSK	25	25	23.22	23.24	23.22			
10	QPSK	50	0	23.18	23.27	23.28			
10	16QAM	1	0	23.16	23.22	23.28			
10	16QAM	1	25	23.06	23.29	23.15	24.5	1	
10	16QAM	1	49	23.05	23.21	23.08			
10	16QAM	25	0	22.37	22.30	22.27			
10	16QAM	25	12	22.28	22.24	22.16	23.5	2	
10	16QAM	25	25	22.23	22.22	22.28			
10	16QAM	50	0	22.17	22.29	22.29			
10	64QAM	1	0	22.14	22.28	22.27			
10	64QAM	1	25	22.10	22.28	22.09	23.5	2	
10	64QAM	1	49	22.24	22.14	22.28			
10	64QAM	25	0	21.28	21.39	21.32			
10	64QAM	25	12	21.26	21.24	21.17	22.5	3	
10	64QAM	25	25	21.27	21.26	21.21			
10	64QAM	50	0	21.23	21.34	21.25			
10	256QAM	1	0	19.35	19.35	19.27			
10	256QAM	1	25	19.16	19.18	19.20	20.5	5	
10	256QAM	1	49	19.26	19.32	19.25			
10	256QAM	25	0	19.21	19.24	19.33			
10	256QAM	25	12	19.15	19.21	19.26	20.5	5	
10	256QAM	25	25	19.00	19.31	19.13			
10	256QAM	50	0	19.15	19.15	19.33			
Channel				42115	42590	43065	rate up [dB]	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.20	24.27	24.25			
5	QPSK	1	12	24.13	24.24	24.15	25.5	0	
5	QPSK	1	24	24.17	24.21	24.25			
5	QPSK	12	0	23.27	23.37	23.34			
5	QPSK	12	7	23.23	23.17	23.14	24.5	1	
5	QPSK	12	13	23.20	23.22	23.25			
5	QPSK	25	0	23.19	23.23	23.28			
5	16QAM	1	0	23.22	23.26	23.26			
5	16QAM	1	12	23.12	23.33	23.14	24.5	1	
5	16QAM	1	24	23.16	23.14	23.32			
5	16QAM	12	0	22.28	22.37	22.21			
5	16QAM	12	7	22.24	22.26	22.24	23.5	2	
5	16QAM	12	13	22.17	22.22	22.24			
5	16QAM	25	0	22.27	22.31	22.34			
5	64QAM	1	0	22.13	22.29	22.30			
5	64QAM	1	12	22.05	22.30	22.16	23.5	2	
5	64QAM	1	24	22.25	22.17	22.24			
5	64QAM	12	0	21.25	21.35	21.27			
5	64QAM	12	7	21.24	21.20	21.18	22.5	3	
5	64QAM	12	13	21.20	21.20	21.31			
5	64QAM	25	0	21.26	21.35	21.32			
5	256QAM	1	0	19.35	19.40	19.36			
5	256QAM	1	12	19.18	19.14	19.16	20.5	5	
5	256QAM	1	24	19.26	19.26	19.32			
5	256QAM	12	0	19.21	19.23	19.37			
5	256QAM	12	7	19.14	19.23	19.17	20.5	5	
5	256QAM	12	13	19.03	19.26	19.10			
5	256QAM	25	0	19.15	19.16	19.28			

Band 48 Ant9 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power High Middle Ch./ Freq.	Power High Ch./ Freq.	Tune- up [dB]	MPR (dB)
Channel				53360	53830	54150	54540		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.31	23.35	23.28	23.25		
20	QPSK	1	49	23.22	23.28	23.15	23.15	24.4	0
20	QPSK	1	99	23.19	23.23	23.24	23.18		
20	QPSK	50	0	22.30	22.38	22.28	22.25		
20	QPSK	50	24	22.16	22.29	22.18	22.14	23.4	1
20	QPSK	50	50	22.13	22.20	22.18	22.18		
20	QPSK	100	0	22.27	22.32	22.25	22.24		
20	16QAM	1	0	22.33	22.31	22.32	22.20		
20	16QAM	1	49	22.21	22.31	22.10	22.17	23.4	1
20	16QAM	1	99	22.21	22.27	22.25	22.22		
20	16QAM	50	0	21.31	21.32	21.28	21.22		
20	16QAM	50	24	21.10	21.26	21.14	21.11	22.4	2
20	16QAM	50	50	21.17	21.17	21.14	21.21		
20	16QAM	100	0	21.38	21.38	21.24	21.29		
20	64QAM	1	0	21.27	21.34	21.29	21.20		
20	64QAM	1	49	21.25	21.35	21.04	21.19	22.4	2
20	64QAM	1	99	21.21	21.28	21.27	21.16		
20	64QAM	50	0	20.34	20.35	20.32	20.24		
20	64QAM	50	24	20.20	20.28	20.17	20.11	21.4	3
20	64QAM	50	50	20.17	20.17	20.13	20.23		
20	64QAM	100	0	20.41	20.31	20.32	20.23		
20	256QAM	1	0	18.35	18.35	18.25	18.24		
20	256QAM	1	49	18.10	18.27	18.22	18.13	19.4	5
20	256QAM	1	99	18.14	18.24	18.23	18.24		
20	256QAM	50	0	18.37	18.35	18.28	18.25		
20	256QAM	50	24	18.31	18.31	18.31	18.18	19.4	5
20	256QAM	50	50	18.16	18.29	18.29	18.16		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0	18.21	18.23	18.29	18.26		
20	256QAM	100	0						

Reduced Power Mode for DS11

GSM850 Auto	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	199	251		128	199	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
GSM 1 Tx slot	32.12	32.15	32.11	33.00	23.12	23.15	23.11	24.00
GPRS 1 Tx slot	32.02	32.06	32.01	33.00	23.02	23.06	23.01	24.00
GPRS 2 Tx slots	28.91	28.93	28.90	30.00	22.91	22.93	22.90	24.00
GPRS 3 Tx slots	27.25	27.30	27.22	28.20	22.99	23.04	22.96	23.94
GPRS 4 Tx slots	26.09	26.11	26.05	27.00	23.09	23.11	23.05	24.00
EDGE 1 Tx slot	26.00	26.05	26.02	26.00	17.00	17.05	17.02	19.00
EDGE 2 Tx slots	23.98	24.03	23.95	25.00	17.98	18.03	17.95	19.00
EDGE 3 Tx slots	21.99	22.06	22.01	23.20	17.73	17.80	17.75	18.94
EDGE 4 Tx slots	21.15	21.27	21.21	22.00	16.15	16.27	16.21	19.00

Band	WCDMA V Auto DS11			Tune-up Limit (dBm)
	4132	4162	4233	
TX Channel	4357	4407	4468	4357
Rx Channel	4357	4407	4468	4357
Frequency (MHz)	836.4	836.4	848.8	836.4
3GPP Rel 99	24.16	24.28	24.13	25.00
3GPP Rel 99	24.26	24.35	24.22	25.00
3GPP Rel 6	23.26	23.33	23.18	24.00
3GPP Rel 6	23.26	23.35	23.21	24.00
3GPP Rel 6	22.74	22.89	22.77	23.50
3GPP Rel 6	22.78	22.80	22.68	23.50
3GPP Rel 6	23.20	23.35	23.22	24.00
3GPP Rel 6	23.26	23.39	23.22	24.00
3GPP Rel 6	22.75	22.90	22.66	23.50
3GPP Rel 6	22.78	22.86	22.67	23.50
3GPP Rel 6	23.26	23.40	23.22	24.00
3GPP Rel 6	21.23	21.36	21.28	22.00
3GPP Rel 6	22.20	22.41	22.17	23.00
3GPP Rel 6	21.26	21.32	21.22	22.00
3GPP Rel 6	23.22	23.32	23.25	24.00
3GPP Rel 7	20.61	20.68	20.74	21.50

Band 5 Ant0 DSI1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20450	20525	20600						
10	QPSK	1	0	25.19	25.21	25.16	25.7	0				
10	QPSK	1	25	25.20	25.17	25.07						
10	QPSK	1	49	25.19	25.16	25.07						
10	QPSK	25	0	24.16	24.23	24.22						
10	QPSK	25	12	24.19	24.13	24.08	24.7	1				
10	QPSK	25	25	24.14	24.19	24.11						
10	QPSK	50	0	24.16	24.25	24.19						
10	16QAM	1	0	24.11	24.14	24.21						
10	16QAM	1	25	24.13	24.10	24.05	24.7	1				
10	16QAM	1	49	24.13	24.14	24.07						
10	16QAM	25	0	23.18	23.22	23.28						
10	16QAM	25	12	23.19	23.09	23.03						
10	16QAM	25	25	23.13	23.20	23.15	23.7	2				
10	16QAM	50	0	23.12	23.22	23.24						
10	64QAM	1	0	23.14	23.20	23.21						
10	64QAM	1	25	23.14	23.07	23.02						
10	64QAM	1	49	23.14	23.15	23.03	23.7	2				
10	64QAM	25	0	22.13	22.21	22.16						
10	64QAM	25	12	22.17	22.17	22.14						
10	64QAM	25	25	22.11	22.21	22.08						
10	64QAM	50	0	22.20	22.21	22.13	22.7	3				
10	256QAM	1	0	20.19	20.28	20.25						
10	256QAM	1	25	20.15	20.20	20.11						
10	256QAM	1	49	20.12	20.21	20.16						
10	256QAM	25	0	20.14	20.30	20.16	20.7	5				
10	256QAM	25	12	20.05	20.17	20.23						
10	256QAM	25	25	20.19	20.28	20.18						
10	256QAM	50	0	20.18	20.19	20.02						
Channel												
Frequency (MHz)				20425	20505	20585	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	25.05	25.16	25.07	25.7	0				
5	QPSK	1	24	25.13	25.07	24.98						
5	QPSK	12	0	24.07	24.12	24.15						
5	QPSK	12	7	24.06	24.01	24.03						
5	QPSK	12	13	24.09	24.12	24.03	24.7	1				
5	QPSK	25	0	24.10	24.10	24.15						
5	16QAM	1	0	23.99	24.04	24.15						
5	16QAM	1	12	24.05	24.02	23.94						
5	16QAM	1	24	24.01	24.06	23.95	24.7	1				
5	16QAM	12	0	23.05	23.06	23.18						
5	16QAM	12	7	23.10	23.07	22.90						
5	16QAM	12	13	23.09	23.10	23.10						
5	16QAM	25	0	23.08	23.23	23.22	23.7	2				
5	64QAM	1	0	23.00	23.09	23.12						
5	64QAM	1	12	23.11	22.97	22.98						
5	64QAM	1	24	23.08	23.03	22.92						
5	64QAM	12	0	22.03	22.16	22.14	22.7	3				
5	64QAM	12	7	22.09	22.14	22.10						
5	64QAM	12	13	22.00	22.18	21.98						
5	64QAM	25	0	22.07	22.08	22.06						
5	256QAM	1	0	20.16	20.17	20.23	20.7	5				
5	256QAM	1	12	20.02	20.03	20.05						
5	256QAM	1	24	20.00	20.19	20.02						
5	256QAM	12	0	20.04	20.17	20.05						
5	256QAM	12	7	20.01	20.13	20.19	20.7	5				
5	256QAM	12	13	20.04	20.00	20.06						
5	256QAM	25	0	20.07	20.08	19.93						
Channel												
Frequency (MHz)				825.5	836.5	847.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	25.14	25.09	25.10	25.7	0				
3	QPSK	1	8	25.14	25.15	24.95						
3	QPSK	1	14	25.05	25.05	24.98						
3	QPSK	8	0	24.05	24.20	24.16						
3	QPSK	8	4	24.06	23.99	24.03	24.7	1				
3	QPSK	8	7	24.04	24.11	24.01						
3	QPSK	15	0	24.11	24.17	24.16						
3	16QAM	1	0	24.02	24.11	24.15						
3	16QAM	1	8	24.09	24.05	23.94	24.7	1				
3	16QAM	1	14	24.01	24.10	23.99						
3	16QAM	8	0	23.08	23.13	23.23						
3	16QAM	8	4	23.11	23.03	22.93						
3	16QAM	8	7	23.03	23.08	23.03	23.7	2				
3	16QAM	15	0	23.01	23.24	23.21						
3	64QAM	1	0	23.02	23.17	23.10						
3	64QAM	1	8	23.03	22.93	22.90						
3	64QAM	1	14	23.01	23.10	22.98	23.7	2				
3	64QAM	8	0	22.05	22.08	22.09						
3	64QAM	8	4	22.05	22.09	22.07						
3	64QAM	8	7	22.01	22.16	21.99						
3	64QAM	15	0	22.10	22.09	22.01	22.7	3				
3	256QAM	1	0	20.11	20.15	20.14						
3	256QAM	1	8	20.01	20.05	19.99						
3	256QAM	1	14	20.09	20.07	20.03						
3	256QAM	8	0	20.12	20.18	20.03	20.7	5				
3	256QAM	8	4	19.99	20.13	20.21						
3	256QAM	8	7	20.05	20.01	20.00						
3	256QAM	15	0	20.15	20.08	19.99						
Channel												
Frequency (MHz)				20407	20525	20643				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	25.10	25.11	25.14	25.7	0				
1.4	QPSK	1	3	25.12	25.06	25.03						
1.4	QPSK	1	5	25.08	25.03	25.05						
1.4	QPSK	3	0	25.00	25.08	25.03						
1.4	QPSK	3	1	25.06	25.03	24.94	24.7	1				
1.4	QPSK	3	3	24.96	24.90	24.97						
1.4	QPSK	6	0	24.10	24.16	24.14						
1.4	16QAM	1	0	24.03	24.06	24.08						
1.4	16QAM	1	3	24.05	24.02	23.93	24.7	1				
1.4	16QAM	1	5	24.00	24.07	24.02						
1.4	16QAM	3	0	24.02	24.13	24.06						
1.4	16QAM	3	1	23.90	23.94	24.01						
1.4	16QAM	3	3	23.93	23.90	23.86	23.7	2				
1.4	16QAM	6	0	23.04	23.16	23.16						
1.4	64QAM	1	0	23.06	23.11	23.16						
1.4	64QAM	1	3	23.02	22.99	22.93						
1.4	64QAM	1	5	23.05	23.07	23.00	23.7	2				
1.4	64QAM	3	0	22.98	23.03	23.06						
1.4	64QAM	3	1	22.98	23.05	23.08						
1.4	64QAM	3	3	22.94	22.97	22.83						
1.4	64QAM	6	0	22.12	22.12	22.10	22.7	3				
1.4	256QAM	1	0	20.11	20.21	20.16						
1.4	256QAM	1	3	20.01	20.03	20.06						
1.4	256QAM	1	5	19.99	20.18	20.12						
1.4	256QAM	3	0	20.01	20.20	20.02	20.7	5				
1.4	256QAM	3	1	19.99	20.04	20.21						
1.4	256QAM	3	3	20.03	20.00	20.05						
1.4	256QAM	6	0	20.06	20.13	19.99						

Band 12 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23606	23695	23130			
Frequency (MHz)				707.6	707.6	714.5			
10	QPSK	1	0	24.72	24.78	24.73	25.5	0	
10	QPSK	1	25	24.87	24.71	24.60			
10	QPSK	1	49	24.80	24.69	24.71			
10	QPSK	25	0	23.86	23.82	23.68			
10	QPSK	25	12	23.88	23.73	23.65	24.5	1	
10	QPSK	25	25	23.82	23.74	23.66			
10	QPSK	50	0	23.71	23.79	23.75			
10	16QAM	1	0	23.75	23.73	23.72	24.5	1	
10	16QAM	1	25	23.85	23.71	23.94			
10	16QAM	1	49	23.81	23.72	23.71			
10	16QAM	25	0	22.84	22.85	22.71			
10	16QAM	25	12	22.88	22.70	22.51	23.5	2	
10	16QAM	25	25	22.57	22.74	22.84			
10	16QAM	50	0	22.67	22.73	22.75			
10	64QAM	1	0	22.70	22.79	22.75	23.5	2	
10	64QAM	1	25	22.83	22.76	22.69			
10	64QAM	1	49	22.85	22.75	22.80			
10	64QAM	25	0	21.81	21.85	21.71	22.5	3	
10	64QAM	25	12	21.72	21.72	21.59			
10	64QAM	25	25	21.59	21.79	21.60			
10	64QAM	50	0	21.67	21.78	21.75			
10	256QAM	1	0	18.67	18.87	18.74	20.5	5	
10	256QAM	1	25	19.74	19.73	19.81			
10	256QAM	1	49	19.62	19.73	19.67			
10	256QAM	25	0	19.77	19.85	19.75			
10	256QAM	25	12	19.76	19.74	19.77	20.5	5	
10	256QAM	25	25	19.68	19.68	19.66			
10	256QAM	50	0	19.62	19.68	19.77			
Channel				23615	23695	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				707.5	707.5	713.5			
5	QPSK	1	0	24.63	24.65	24.69	25.5	0	
5	QPSK	1	12	24.58	24.64	24.53			
5	QPSK	1	24	24.55	24.61	24.66			
5	QPSK	12	0	23.57	23.74	23.57			
5	QPSK	12	7	23.60	23.66	23.51	24.5	1	
5	QPSK	12	13	23.57	23.69	23.55			
5	QPSK	25	0	23.65	23.55	23.81			
5	16QAM	1	0	23.62	23.60	23.82	24.5	1	
5	16QAM	1	12	23.53	23.66	23.52			
5	16QAM	1	24	23.51	23.64	23.58			
5	16QAM	12	0	22.56	22.73	22.67	23.5	2	
5	16QAM	12	7	22.65	22.82	22.47			
5	16QAM	12	13	22.54	22.62	22.54			
5	16QAM	25	0	22.56	22.73	22.61			
5	64QAM	1	0	22.54	22.71	22.69	23.5	2	
5	64QAM	1	12	22.50	22.74	22.82			
5	64QAM	1	24	22.60	22.72	22.80			
5	64QAM	12	0	21.48	21.78	21.66	22.5	3	
5	64QAM	12	7	21.60	21.62	21.51			
5	64QAM	12	13	21.48	21.72	21.53			
5	64QAM	25	0	21.85	21.73	21.65			
5	256QAM	1	0	19.54	19.78	19.81	20.5	5	
5	256QAM	1	12	19.68	19.67	19.58			
5	256QAM	1	24	19.56	19.66	19.35			
5	256QAM	12	0	19.74	19.78	19.62			
5	256QAM	12	7	19.69	19.63	19.75	20.5	5	
5	256QAM	12	13	19.60	19.56	19.62			
5	256QAM	25	0	19.51	19.62	19.73			
Channel				23625	23695	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.66	24.74	24.69	25.5	0	
3	QPSK	1	8	24.55	24.62	24.49			
3	QPSK	1	14	24.56	24.64	24.64			
3	QPSK	8	0	23.63	23.72	23.61			
3	QPSK	8	4	23.59	23.69	23.44	24.5	1	
3	QPSK	15	0	23.52	23.70	23.58			
3	QPSK	15	8	23.59	23.69	23.65			
3	16QAM	1	0	23.63	23.62	23.58	24.5	1	
3	16QAM	1	8	23.52	23.57	23.56			
3	16QAM	1	14	23.48	23.61	23.84			
3	16QAM	8	0	22.82	22.73	22.57			
3	16QAM	8	4	22.81	22.66	22.45	23.5	2	
3	16QAM	8	7	22.44	22.66	22.80			
3	16QAM	15	0	22.65	22.69	22.68			
3	64QAM	1	0	22.59	22.88	22.88	23.5	2	
3	64QAM	1	8	22.81	22.67	22.85			
3	64QAM	1	14	22.57	22.82	22.59			
3	64QAM	8	0	21.57	21.74	21.59			
3	64QAM	8	4	21.60	21.66	21.47	22.5	3	
3	64QAM	8	7	21.47	21.73	21.49			
3	64QAM	15	0	21.54	21.65	21.71			
3	256QAM	1	0	19.55	19.76	19.70	20.5	5	
3	256QAM	1	8	19.64	19.70	19.53			
3	256QAM	1	14	19.56	19.61	19.61			
3	256QAM	8	0	19.73	19.81	19.84			
3	256QAM	8	4	19.64	19.60	19.55	20.5	5	
3	256QAM	8	7	19.58	19.62	19.55			
3	256QAM	15	0	19.57	19.61	19.65			
Channel				23617	23695	23175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.66	24.74	24.61	25.5	0	
1.4	QPSK	1	3	24.63	24.64	24.49			
1.4	QPSK	1	5	24.57	24.64	24.59			
1.4	QPSK	3	0	24.67	24.71	24.55			
1.4	QPSK	3	1	24.57	24.51	24.39	24.5	1	
1.4	QPSK	3	3	24.54	24.52	24.48			
1.4	QPSK	6	0	23.66	23.72	23.70			
1.4	16QAM	1	0	23.66	23.80	23.84	24.5	1	
1.4	16QAM	1	3	23.65	23.62	23.65			
1.4	16QAM	1	5	23.29	23.67	23.60			
1.4	16QAM	3	0	23.54	23.64	23.65			
1.4	16QAM	3	1	23.57	23.54	23.59	23.5	2	
1.4	16QAM	3	3	23.54	23.51	23.43			
1.4	16QAM	6	0	22.56	22.69	22.62			
1.4	64QAM	1	0	22.64	22.72	22.62	23.5	2	
1.4	64QAM	1	3	22.49	22.67	22.59			
1.4	64QAM	1	5	22.83	22.69	22.82			
1.4	64QAM	3	0	22.43	22.63	22.49			
1.4	64QAM	3	1	22.52	22.70	22.50	22.5	2	
1.4	64QAM	3	3	22.39	22.61	22.56			
1.4	64QAM	6	0	21.61	21.66	21.70			
1.4	256QAM	1	0	19.64	19.80	19.69	20.5	5	
1.4	256QAM	1	3	19.63	19.63	19.49			
1.4	256QAM	1	5	19.53	19.70	19.59			
1.4	256QAM	3	0	19.68	19.71	19.68			
1.4	256QAM	3	1	19.65	19.68	19.73	20.5	5	
1.4	256QAM	3	3	19.64	19.56	19.56			
1.4	256QAM	6	0	19.59	19.56	19.70			

Band 17 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.76	24.80	24.74	25.5	0	
10	QPSK	1	25	24.86	24.74	24.65			
10	QPSK	1	49	24.75	24.69	24.67			
10	QPSK	25	0	23.77	23.85	23.78			
10	QPSK	25	12	23.70	23.72	23.64	24.5	1	
10	QPSK	25	25	23.80	23.67	23.61			
10	QPSK	50	0	23.77	23.79	23.74			
10	16QAM	1	0	23.72	23.76	23.72			
10	16QAM	1	25	23.82	23.77	23.71	23.5	2	
10	16QAM	1	49	23.75	23.71	23.68			
10	16QAM	25	0	22.78	22.91	22.82			
10	16QAM	25	12	22.67	22.77	22.68			
10	16QAM	25	25	22.80	22.73	22.65	22.5	3	
10	16QAM	50	0	22.78	22.82	22.75			
10	64QAM	1	0	22.66	22.72	22.75			
10	64QAM	1	25	22.66	22.71	22.76			
10	64QAM	1	49	22.79	22.70	22.65	23.5	2	
10	64QAM	25	0	21.72	21.67	21.75			
10	64QAM	25	12	21.71	21.68	21.67			
10	64QAM	25	25	21.81	21.70	21.63			
10	64QAM	50	0	21.75	21.80	21.71	20.5	5	
10	256QAM	1	0	19.71	19.85	19.74			
10	256QAM	1	25	19.75	19.73	19.70			
10	256QAM	1	49	19.77	19.67	19.64			
10	256QAM	1	73	19.82	19.82	19.78	20.5	5	
10	256QAM	25	12	19.70	19.80	19.68			
10	256QAM	25	25	19.65	19.72	19.61			
10	256QAM	50	0	19.71	19.65	19.71			
Channel				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.70	24.68	24.71	25.5	0	
5	QPSK	1	12	24.53	24.70	24.61			
5	QPSK	1	24	24.62	24.65	24.62			
5	QPSK	12	0	23.65	23.61	23.67			
5	QPSK	12	7	23.59	23.62	23.55	24.5	1	
5	QPSK	12	13	23.71	23.56	23.55			
5	QPSK	25	0	23.70	23.72	23.71			
5	16QAM	1	0	23.65	23.66	23.66			
5	16QAM	1	12	23.58	23.68	23.60	24.5	1	
5	16QAM	1	24	23.73	23.64	23.56			
5	16QAM	12	0	22.76	22.86	22.78			
5	16QAM	12	7	22.56	22.71	22.63			
5	16QAM	12	13	22.70	22.59	22.54	23.5	2	
5	16QAM	25	0	22.75	22.73	22.72			
5	64QAM	1	0	22.55	22.67	22.64			
5	64QAM	1	12	22.54	22.66	22.63			
5	64QAM	1	24	22.70	22.57	22.55	23.5	2	
5	64QAM	12	0	21.67	21.78	21.70			
5	64QAM	12	7	21.66	21.55	21.57			
5	64QAM	12	13	21.74	21.63	21.50			
5	64QAM	25	0	21.64	21.72	21.67	22.5	3	
5	256QAM	1	0	19.68	19.76	19.72			
5	256QAM	1	12	19.68	19.69	19.66			
5	256QAM	1	24	19.63	19.61	19.57			
5	256QAM	12	0	19.75	19.72	19.70	20.5	5	
5	256QAM	12	7	19.57	19.77	19.54			
5	256QAM	12	13	19.58	19.67	19.58			
5	256QAM	25	0	19.65	19.53	19.64			

Band 26 Ant0 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	25.14	25.20	25.15	25.7	0		
15	QPSK	1	37	25.09	25.11	25.07				
15	QPSK	1	74	25.10	25.07	25.09				
15	QPSK	36	0	24.13	24.20	24.11				
15	QPSK	36	20	24.07	24.15	24.04	24.7	1		
15	QPSK	36	39	24.09	24.07	24.11				
15	QPSK	75	0	24.13	24.16	24.10				
15	16QAM	1	0	24.10	24.15	24.12				
15	16QAM	1	37	24.14	24.07	24.05	24.7	1		
15	16QAM	1	74	24.08	24.02	24.08				
15	16QAM	36	0	23.11	23.18	23.05				
15	16QAM	36	20	23.04	23.13	23.05				
15	16QAM	36	39	23.09	23.10	23.08	23.7	2		
15	16QAM	75	0	23.18	23.11	23.15				
15	64QAM	1	0	23.15	23.16	23.13				
15	64QAM	1	37	23.08	23.01	23.00				
15	64QAM	1	74	23.10	22.97	23.05	23.7	2		
15	64QAM	25	0	22.12	22.15	22.08				
15	64QAM	36	20	22.07	22.15	22.04				
15	64QAM	36	39	22.15	22.05	22.10				
15	64QAM	75	0	22.15	22.22	22.08	20.7	5		
15	256QAM	1	0	20.13	20.14	20.06				
15	256QAM	1	37	20.10	20.15	20.03				
15	256QAM	1	74	20.10	20.09	20.12				
15	256QAM	36	0	20.17	20.19	20.10	20.7	5		
15	256QAM	36	20	20.07	20.20	20.16				
15	256QAM	36	39	20.20	20.16	19.99				
15	256QAM	75	0	20.09	20.04	20.03				
Channel				26740	26885	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	25.08	25.17	25.04	25.7	0		
10	QPSK	1	25	24.95	25.02	25.04				
10	QPSK	1	49	25.04	24.98	24.95				
10	QPSK	25	0	24.03	24.11	23.97				
10	QPSK	25	12	23.94	24.09	23.98	24.7	1		
10	QPSK	25	25	24.05	24.01	24.04				
10	QPSK	50	0	24.03	24.07	24.04				
10	16QAM	1	0	24.01	24.04	24.03				
10	16QAM	1	25	24.07	24.00	24.01	24.7	1		
10	16QAM	1	49	24.03	23.92	23.95				
10	16QAM	25	0	23.09	23.09	22.98				
10	16QAM	25	12	22.93	23.02	22.89				
10	16QAM	25	25	23.04	23.03	23.01	23.7	2		
10	16QAM	50	0	23.07	23.09	23.10				
10	64QAM	1	0	23.07	23.10	23.10				
10	64QAM	1	25	22.98	22.84	22.97				
10	64QAM	1	49	22.97	22.85	22.95	23.7	2		
10	64QAM	25	0	21.99	22.11	22.05				
10	64QAM	25	12	22.00	22.02	21.95				
10	64QAM	25	25	22.07	21.99	21.96				
10	64QAM	50	0	22.11	22.19	22.01	22.7	3		
10	256QAM	1	0	20.08	20.08	20.00				
10	256QAM	1	25	19.97	20.11	19.91				
10	256QAM	1	49	20.03	20.05	20.04				
10	256QAM	25	0	20.11	20.14	20.07	20.7	5		
10	256QAM	25	12	19.94	20.11	20.14				
10	256QAM	25	25	20.11	20.08	19.95				
10	256QAM	50	0	19.98	19.91	20.01				
Channel				26715	26895	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
5	QPSK	1	0	25.09	25.09	25.09	25.7	0		
5	QPSK	1	12	25.00	25.00	25.03				
5	QPSK	1	24	24.97	24.95	25.01				
5	QPSK	12	0	24.07	24.12	23.98				
5	QPSK	12	7	23.96	24.04	23.98	24.7	1		
5	QPSK	12	13	24.04	24.02	24.00				
5	QPSK	25	0	24.03	24.02	24.02				
5	QPSK	25	0	24.03	24.02	24.08				
5	16QAM	1	12	24.04	24.01	23.96	24.7	1		
5	16QAM	1	24	24.01	24.01	23.99				
5	16QAM	12	0	23.07	23.10	23.05				
5	16QAM	12	7	22.99	23.00	23.02				
5	16QAM	12	13	22.96	23.07	23.03	23.7	2		
5	16QAM	25	0	23.06	22.99	23.08				
5	64QAM	1	0	23.06	23.09	23.05				
5	64QAM	1	12	23.05	22.98	22.90				
5	64QAM	1	24	23.02	22.89	22.95	23.7	2		
5	64QAM	12	0	22.01	22.06	22.05				
5	64QAM	12	7	21.98	22.13	21.96				
5	64QAM	12	13	22.09	21.96	22.05				
5	64QAM	25	0	22.09	22.14	21.94	22.7	3		
5	256QAM	1	0	20.10	20.04	19.99				
5	256QAM	1	12	20.01	20.08	19.98				
5	256QAM	1	24	20.03	20.03	20.05				
5	256QAM	12	0	20.12	20.15	19.99	20.7	5		
5	256QAM	12	7	19.95	20.07	20.05				
5	256QAM	12	13	20.10	19.98	19.98				
5	256QAM	25	0	19.91	19.95	19.91				
Channel				26705	26895	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	25.05	25.11	25.10	25.7	0		
3	QPSK	1	8	25.03	25.00	25.04				
3	QPSK	1	14	25.01	24.94	25.09				
3	QPSK	8	0	24.05	24.12	24.03				
3	QPSK	8	4	23.94	24.09	23.96	24.7	1		
3	QPSK	8	7	24.04	24.02	24.04				
3	QPSK	15	0	24.08	24.09	24.06				
3	16QAM	1	0	24.03	24.13	24.03				
3	16QAM	1	8	24.04	23.95	24.00	24.7	1		
3	16QAM	1	14	24.04	23.92	24.03				
3	16QAM	8	0	23.03	23.13	22.97				
3	16QAM	8	4	22.96	23.02	22.95				
3	16QAM	8	7	22.99	22.95	22.97	23.7	2		
3	16QAM	15	0	23.12	23.05	23.11				
3	64QAM	1	0	23.05	23.03	23.04				
3	64QAM	1	8	23.05	22.92	22.91				
3	64QAM	1	14	23.02	22.91	22.93	23.7	2		
3	64QAM	8	0	22.08	22.12	21.97				
3	64QAM	8	4	21.96	22.09	21.96				
3	64QAM	8	7	22.21	21.95	21.99				
3	64QAM	15	0	22.05	22.11	21.99	22.7	3		
3	256QAM	1	0	20.04	20.08	19.95				
3	256QAM	1	8	19.97	20.06	19.99				
3	256QAM	1	14	20.08	19.99	20.08				
3	256QAM	8	0	20.13	20.06	20.06	20.7	5		
3	256QAM	8	4	20.09	20.07	20.03				
3	256QAM	8	7	20.18	19.99	19.90				
3	256QAM	15	0	20.00	19.95	19.92				
Channel				26697	26895	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	848.5				
1.4	QPSK	1	0	25.11	25.08	25.03	25.7	0		
1.4	QPSK	1	3	25.06	24.97	24.94				
1.4	QPSK	1	5	25.04	25.01	25.07				
1.4	QPSK	3	0	25.01	24.94	24.89				
1.4	QPSK	3	1	25.01	24.94	24.88	24.7	1		
1.4	QPSK	3	3	24.95	24.93	25.00				
1.4	QPSK	6	0	24.05	24.09	23.98				
1.4	16QAM	1	0	24.05	24.08	23.99				
1.4	16QAM	1	3	24.10	23.96	23.93	24.7	1		
1.4	16QAM	3	5	23.98	23.93	23.98				
1.4	16QAM	3	1	24.01	24.06	23.92				
1.4	16QAM	3	1	24.01	24.01	23.91				
1.4	16QAM	3	0	24.04	23.94	23.85	23.7	2		
1.4	16QAM	6	0	23.06	23.08	23.07				
1.4	64QAM	1	3	23.07	23.10	23.03				
1.4	64QAM	1	3	23.04	22.96	22.91				
1.4	64QAM	1	5	22.99	22.93	22.91	23.7	2		
1.4	64QAM	3	0	22.98	22.95	23.02				
1.4	64QAM	3	1	23.01	22.93	22.91				
1.4	64QAM	3	3	22.92	22.83	22.86				
1.4	64QAM	6	0	22.11	22.16	22.02	22.7	3		
1.4	256QAM	1	0	20.01	20.08	19.93				
1.4	256QAM	1	3	20.07	20.03	19.95				
1.4	256QAM	1	5	20.05	20.06	20.08				
1.4	256QAM	3	0	20.06	20.08	19.94	20.7	5		
1.4	256QAM	3	1	20.02	20.12	20.12				
1.4	256QAM	3	3	20.10	20.01	19.91				
1.4	256QAM	6	0	20.09	19.93	19.96				

GSM50 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	126	189	251	126	189	251	
Frequency (MHz)		824.2	838.4	848.8	824.2	838.4	848.8	
GSM 1 Tx slot		27.37	27.66	27.33	28.40	18.37	18.66	18.33
GPRS 1 Tx slot		27.36	27.43	27.49	28.40	18.36	18.43	18.49
GPRS 2 Tx slots		23.91	24.01	23.97	25.40	17.91	18.01	17.97
GPRS 3 Tx slots		22.06	22.05	22.02	23.00	17.80	17.79	17.76
GPRS 4 Tx slots		20.85	20.95	20.84	22.40	17.85	17.95	17.84
EDGE 1 Tx slot		21.93	22.11	22.04	23.40	12.93	13.11	13.04
EDGE 2 Tx slots		19.39	19.46	19.37	20.40	13.39	13.46	13.37
EDGE 3 Tx slots		17.68	17.67	17.65	18.00	13.42	13.41	13.39
EDGE 4 Tx slots		16.14	16.21	16.21	17.40	13.14	13.21	13.21

Band	WCDMA V.Ant1 DS1			Tune-up Limit (dBm)
	TX Channel	4132	4182	4233
Rx Channel		4357	4407	4458
Frequency (MHz)		2034	1307.4	840.6
3GPP Rel 99	AMR 12.2Kbps	19.33	19.35	19.25
3GPP Rel 99	RMC 12.2Kbps	19.32	19.36	19.33
3GPP Rel 6	HSDPA Subtest-1	18.39	18.32	18.33
3GPP Rel 6	HSDPA Subtest-2	18.38	18.37	18.30
3GPP Rel 6	HSDPA Subtest-3	17.86	17.89	17.81
3GPP Rel 6	HSDPA Subtest-4	17.88	17.82	17.83
3GPP Rel 8	DCHSDPA Subtest-1	18.28	18.41	18.29
3GPP Rel 8	DCHSDPA Subtest-2	18.36	18.42	18.27
3GPP Rel 8	DCHSDPA Subtest-3	17.75	17.82	17.81
3GPP Rel 8	DCHSDPA Subtest-4	17.75	17.82	17.82
3GPP Rel 6	HSUPA Subtest-1	18.22	18.34	18.27
3GPP Rel 6	HSUPA Subtest-2	16.38	16.42	16.21
3GPP Rel 6	HSUPA Subtest-3	17.41	17.41	17.27
3GPP Rel 6	HSUPA Subtest-4	16.40	16.39	16.23
3GPP Rel 6	HSUPA Subtest-5	18.32	18.32	18.27
3GPP Rel 7	HSPA+ (M-QAM) Subtest-1	15.79	15.88	15.81

Band 5 Ant1 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20625	20600				
Frequency (MHz)				822	836.5	844				
10	QPSK	1	0	19.22	19.41	19.44	20.5	0		
10	QPSK	1	25	19.20	19.34	19.30				
10	QPSK	1	49	19.18	19.28	19.30				
10	QPSK	25	0	19.18	19.37	19.22	20.5	0		
10	QPSK	25	12	19.20	19.36	19.21				
10	QPSK	25	25	19.19	19.34	19.28				
10	QPSK	50	0	19.29	19.34	19.19	20.5	0		
10	16QAM	1	0	19.25	19.28	19.30				
10	16QAM	1	25	19.20	19.27	19.25				
10	16QAM	1	49	19.19	19.35	19.20	20.5	0		
10	16QAM	25	0	19.24	19.35	19.27				
10	16QAM	25	12	19.18	19.33	19.26				
10	16QAM	25	25	19.21	19.32	19.28	20.5	0		
10	16QAM	50	0	19.25	19.32	19.22				
10	64QAM	1	0	19.20	19.35	19.25				
10	64QAM	1	25	19.26	19.37	19.28	20.5	0		
10	64QAM	1	49	19.29	19.34	19.27				
10	64QAM	25	0	19.17	19.35	19.20				
10	64QAM	25	12	19.26	19.32	19.28	20.5	0		
10	64QAM	25	25	19.23	19.26	19.27				
10	64QAM	50	0	19.26	19.31	19.28				
10	256QAM	1	0	19.20	19.27	19.30	20.5	0		
10	256QAM	1	25	19.27	19.27	19.30				
10	256QAM	1	49	19.19	19.33	19.22				
10	256QAM	25	0	19.26	19.27	19.21	20.5	0		
10	256QAM	25	12	19.25	19.32	19.27				
10	256QAM	25	25	19.25	19.31	19.28				
10	256QAM	50	0	19.28	19.30	19.28				
Channel				20625	20625	20625	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	19.15	19.34	19.17	20.5	0		
5	QPSK	1	12	19.13	19.29	19.17				
5	QPSK	1	24	19.05	19.19	19.15				
5	QPSK	12	0	19.07	19.24	19.07	20.5	0		
5	QPSK	12	7	19.05	19.28	19.11				
5	QPSK	12	13	19.06	19.26	19.15				
5	QPSK	25	0	19.23	19.20	19.15	20.5	0		
5	16QAM	1	0	19.13	19.14	19.16				
5	16QAM	1	12	19.11	19.22	19.20				
5	16QAM	1	24	19.09	19.23	19.10	20.5	0		
5	16QAM	12	0	19.15	19.24	19.22				
5	16QAM	12	7	19.11	19.19	19.15				
5	16QAM	12	13	19.07	19.15	19.15	20.5	0		
5	16QAM	25	0	19.21	19.19	19.07				
5	64QAM	1	0	19.15	19.26	19.08				
5	64QAM	1	12	19.19	19.27	19.22	20.5	0		
5	64QAM	1	24	19.18	19.23	19.20				
5	64QAM	12	0	19.12	19.31	19.11				
5	64QAM	12	7	19.12	19.18	19.15	20.5	0		
5	64QAM	12	13	19.16	19.20	19.12				
5	64QAM	25	0	19.17	19.21	19.20				
5	256QAM	1	0	19.05	19.15	19.21	20.5	0		
5	256QAM	1	12	19.22	19.12	19.20				
5	256QAM	1	24	19.14	19.23	19.07				
5	256QAM	12	0	19.18	19.15	19.09	20.5	0		
5	256QAM	12	7	19.13	19.23	19.12				
5	256QAM	12	13	19.18	19.17	19.19				
5	256QAM	25	0	19.14	19.25	19.21				
Channel				823.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	19.10	19.30	19.12	20.5	0		
3	QPSK	1	8	19.12	19.30	19.19				
3	QPSK	1	14	19.13	19.12	19.19				
3	QPSK	8	0	19.10	19.20	19.08	20.5	0		
3	QPSK	8	4	19.09	19.23	19.16				
3	QPSK	8	7	19.09	19.26	19.13				
3	QPSK	15	0	19.18	19.30	19.12	20.5	0		
3	16QAM	1	0	19.20	19.16	19.23				
3	16QAM	1	8	19.14	19.12	19.20				
3	16QAM	1	14	19.08	19.31	19.16	20.5	0		
3	16QAM	8	0	19.20	19.25	19.16				
3	16QAM	8	4	19.05	19.17	19.21				
3	16QAM	8	7	19.15	19.20	19.17	20.5	0		
3	16QAM	15	0	19.18	19.19	19.13				
3	64QAM	1	0	19.14	19.30	19.20				
3	64QAM	1	8	19.22	19.29	19.18	20.5	0		
3	64QAM	1	14	19.13	19.23	19.13				
3	64QAM	8	0	19.05	19.31	19.05				
3	64QAM	8	4	19.22	19.21	19.14	20.5	0		
3	64QAM	8	7	19.09	19.19	19.14				
3	64QAM	15	0	19.18	19.26	19.23				
3	256QAM	1	0	19.08	19.16	19.17	20.5	0		
3	256QAM	1	8	19.17	19.16	19.15				
3	256QAM	1	14	19.08	19.28	19.14				
3	256QAM	8	0	19.21	19.18	19.16	20.5	0		
3	256QAM	8	4	19.18	19.23	19.18				
3	256QAM	8	7	19.15	19.24	19.20				
3	256QAM	15	0	19.22	19.24	19.20				
Channel				2060.7	20625	2064.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	19.15	19.34	19.18	20.5	0		
1.4	QPSK	1	3	19.08	19.25	19.20				
1.4	QPSK	1	5	19.08	19.23	19.25				
1.4	QPSK	3	0	19.09	19.29	19.12	20.5	0		
1.4	QPSK	3	1	19.07	19.22	19.17				
1.4	QPSK	3	3	19.09	19.25	19.13				
1.4	QPSK	6	0	19.24	19.15	19.04	20.5	0		
1.4	16QAM	1	0	19.15	19.16	19.20				
1.4	16QAM	1	3	19.14	19.18	19.15				
1.4	16QAM	1	5	19.13	19.24	19.05	20.5	0		
1.4	16QAM	3	0	19.19	19.29	19.16				
1.4	16QAM	3	1	19.03	19.24	19.16				
1.4	16QAM	3	3	19.14	19.17	19.20	20.5	0		
1.4	16QAM	6	0	19.15	19.21	19.07				
1.4	64QAM	1	0	19.11	19.23	19.10				
1.4	64QAM	1	3	19.16	19.23	19.13	20.5	0		
1.4	64QAM	1	5	19.25	19.27	19.13				
1.4	64QAM	3	0	19.04	19.29	19.08				
1.4	64QAM	3	1	19.10	19.20	19.24	20.5	0		
1.4	64QAM	3	3	19.13	19.14	19.18				
1.4	64QAM	6	0	19.21	19.16	19.22				
1.4	256QAM	1	0	19.12	19.19	19.23	20.5	0		
1.4	256QAM	1	3	19.18	19.15	19.21				
1.4	256QAM	1	5	19.10	19.18	19.13				
1.4	256QAM	3	0	19.20	19.15	19.06	20.5	0		
1.4	256QAM	3	1	19.12	19.12	19.22				
1.4	256QAM	3	3	19.10	19.20	19.14				
1.4	256QAM	6	0	19.23	19.25	19.16	20.5	0		

Band 17 Ant1 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23760	23790	23800						
Frequency (MHz)				709	710	711						
10	QPSK	1	0	22.92	23.13	22.98	24	0				
10	QPSK	1	25	22.92	23.10	22.91						
10	QPSK	1	49	22.92	23.05	22.92						
10	QPSK	25	0	22.90	23.09	22.91						
10	QPSK	25	12	22.92	23.05	22.89						
10	QPSK	25	25	23.02	23.04	22.98	24	0				
10	QPSK	50	0	23.01	23.07	22.93						
10	16QAM	1	0	22.97	23.08	22.96						
10	16QAM	1	25	22.92	23.08	22.91						
10	16QAM	1	49	23.02	23.05	22.97						
10	16QAM	25	0	21.95	22.11	21.93	23	1				
10	16QAM	25	12	21.91	22.17	21.93						
10	16QAM	25	25	21.91	22.19	21.99						
10	16QAM	50	0	21.87	22.07	21.99						
10	64QAM	1	0	21.95	22.17	21.91						
10	64QAM	1	25	21.94	22.11	21.94	23	1				
10	64QAM	1	49	21.91	22.15	21.98						
10	64QAM	25	0	20.95	21.17	20.95						
10	64QAM	25	12	20.93	21.18	20.96						
10	64QAM	25	25	20.90	21.11	20.94						
10	64QAM	50	0	20.97	21.13	20.93	22	2				
10	256QAM	1	0	18.96	19.14	18.99						
10	256QAM	1	25	18.96	19.07	19.00						
10	256QAM	1	49	18.87	19.16	19.00						
10	256QAM	25	0	18.89	19.15	18.92						
10	256QAM	25	12	18.93	19.08	18.94	20	4				
10	256QAM	25	25	18.91	19.14	18.99						
10	256QAM	50	0	18.92	19.10	18.98						
Channel				23765	710	713.5				Tune-up limit (dBm)		
Frequency (MHz)				709.5	710	713.5						
5	QPSK	1	0	22.86	22.97	22.89	24	0				
5	QPSK	1	12	22.80	23.05	22.84						
5	QPSK	1	24	22.80	23.01	22.80						
5	QPSK	12	0	22.80	23.00	22.77						
5	QPSK	12	7	22.86	23.05	22.84						
5	QPSK	12	13	22.89	23.04	22.88	24	0				
5	QPSK	25	0	22.88	23.01	22.87						
5	16QAM	1	0	22.89	22.94	22.91						
5	16QAM	1	12	22.85	22.98	22.83						
5	16QAM	1	24	22.94	22.98	22.94						
5	16QAM	12	0	21.79	22.07	21.85	23	1				
5	16QAM	12	7	21.82	22.04	21.84						
5	16QAM	12	13	21.80	22.15	21.81						
5	16QAM	25	0	21.71	21.99	21.85						
5	64QAM	1	0	21.82	22.11	21.87						
5	64QAM	1	12	21.83	21.97	21.84	23	1				
5	64QAM	1	24	21.77	22.01	21.92						
5	64QAM	12	0	20.81	21.09	20.83						
5	64QAM	12	7	20.84	21.04	20.91						
5	64QAM	12	13	20.84	21.00	20.78						
5	64QAM	25	0	20.86	21.01	20.83	22	2				
5	256QAM	1	0	18.82	19.03	18.94						
5	256QAM	1	12	18.83	18.97	18.94						
5	256QAM	1	24	18.77	19.03	18.92						
5	256QAM	12	0	18.74	19.06	18.80						
5	256QAM	12	7	18.81	19.01	18.82	20	4				
5	256QAM	12	13	18.80	19.03	18.84						
5	256QAM	25	0	18.78	18.93	18.69						
5	256QAM	25	0	18.78	18.93	18.69						
5	256QAM	25	0	18.78	18.93	18.69						

Band 26 Ant1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	19.34	19.68	19.37	20.5	0	
15	QPSK	1	37	19.39	19.52	19.44			
15	QPSK	1	74	19.34	19.58	19.43			
15	QPSK	36	0	19.38	19.62	19.37			
15	QPSK	36	20	19.42	19.60	19.37			
15	QPSK	36	39	19.34	19.54	19.39	20.5	0	
15	QPSK	75	0	19.40	19.61	19.38			
15	16QAM	1	0	19.39	19.62	19.42			
15	16QAM	1	37	19.39	19.56	19.35			
15	16QAM	1	74	19.31	19.60	19.41			
15	16QAM	36	0	19.36	19.57	19.38	20.5	0	
15	16QAM	36	20	19.41	19.58	19.44			
15	16QAM	36	39	19.43	19.51	19.35			
15	16QAM	75	0	19.43	19.58	19.42			
15	64QAM	1	0	19.40	19.54	19.37			
15	64QAM	1	37	19.38	19.60	19.42	20.5	0	
15	64QAM	1	74	19.35	19.59	19.38			
15	64QAM	36	0	19.41	19.61	19.36			
15	64QAM	36	20	19.34	19.60	19.42			
15	64QAM	36	39	19.36	19.59	19.43			
15	64QAM	75	0	19.34	19.59	19.36	20.5	0	
15	256QAM	1	0	19.34	19.59	19.36			
15	256QAM	1	37	19.40	19.58	19.37			
15	256QAM	1	74	19.34	19.62	19.46			
15	256QAM	36	0	19.39	19.52	19.43			
15	256QAM	36	20	19.38	19.62	19.46	20.5	0	
15	256QAM	36	39	19.37	19.63	19.39			
15	256QAM	75	0	19.32	19.42	19.40			
15	256QAM	75	0	19.32	19.42	19.40			
15	256QAM	75	0	19.32	19.42	19.40			
Channel				26740	26865	26965	Tune-up limit (dBm)		
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	19.20	19.51	19.28	20.5	0	
10	QPSK	1	25	19.25	19.47	19.30			
10	QPSK	1	49	19.28	19.45	19.37			
10	QPSK	25	0	19.26	19.56	19.26			
10	QPSK	25	12	19.34	19.51	19.29			
10	QPSK	25	25	19.19	19.44	19.26	20.5	0	
10	QPSK	50	0	19.35	19.47	19.32			
10	16QAM	1	0	19.28	19.48	19.32			
10	16QAM	1	25	19.31	19.48	19.19			
10	16QAM	1	49	19.18	19.56	19.33			
10	16QAM	25	0	19.29	19.45	19.29	20.5	0	
10	16QAM	25	12	19.34	19.49	19.34			
10	16QAM	25	25	19.28	19.42	19.27			
10	16QAM	50	0	19.31	19.44	19.33			
10	64QAM	1	0	19.33	19.45	19.31			
10	64QAM	1	25	19.32	19.46	19.36	20.5	0	
10	64QAM	1	49	19.26	19.44	19.26			
10	64QAM	25	0	19.27	19.50	19.21			
10	64QAM	25	12	19.22	19.54	19.29			
10	64QAM	25	25	19.22	19.48	19.30			
10	64QAM	50	0	19.19	19.55	19.26	20.5	0	
10	256QAM	1	0	19.23	19.49	19.23			
10	256QAM	1	25	19.28	19.53	19.32			
10	256QAM	1	49	19.30	19.55	19.33			
10	256QAM	25	0	19.34	19.39	19.28			
10	256QAM	25	12	19.30	19.57	19.40	20.5	0	
10	256QAM	25	25	19.31	19.54	19.28			
10	256QAM	50	0	19.27	19.37	19.31			
10	256QAM	50	0	19.27	19.37	19.31			
10	256QAM	50	0	19.27	19.37	19.31			
Channel				26715	26865	27015	Tune-up limit (dBm)		
Frequency (MHz)				815.5	831.5	848.5			
5	QPSK	1	0	19.20	19.57	19.32	20.5	0	
5	QPSK	1	12	19.34	19.41	19.33			
5	QPSK	1	24	19.25	19.48	19.37			
5	QPSK	12	0	19.22	19.50	19.26			
5	QPSK	12	7	19.29	19.46	19.25			
5	QPSK	12	13	19.28	19.36	19.26	20.5	0	
5	QPSK	25	0	19.30	19.55	19.29			
5	16QAM	1	0	19.26	19.54	19.28			
5	16QAM	1	12	19.23	19.41	19.30			
5	16QAM	1	24	19.24	19.42	19.34			
5	16QAM	12	0	19.32	19.50	19.30	20.5	0	
5	16QAM	12	7	19.35	19.53	19.39			
5	16QAM	12	13	19.38	19.43	19.24			
5	16QAM	25	0	19.27	19.46	19.37			
5	64QAM	1	0	19.29	19.48	19.22			
5	64QAM	1	12	19.26	19.53	19.36	20.5	0	
5	64QAM	1	24	19.22	19.47	19.23			
5	64QAM	12	0	19.29	19.50	19.30			
5	64QAM	12	7	19.30	19.52	19.34			
5	64QAM	12	13	19.24	19.51	19.34			
5	64QAM	25	0	19.25	19.51	19.26	20.5	0	
5	256QAM	1	0	19.21	19.47	19.23			
5	256QAM	1	12	19.27	19.51	19.24			
5	256QAM	12	0	19.25	19.45	19.33			
5	256QAM	12	7	19.28	19.47	19.40			
5	256QAM	12	13	19.28	19.50	19.26	20.5	0	
5	256QAM	25	0	19.23	19.42	19.31			
5	256QAM	25	0	19.23	19.42	19.31			
5	256QAM	25	0	19.23	19.42	19.31			
5	256QAM	25	0	19.23	19.42	19.31			
Channel				26705	26865	27025	Tune-up limit (dBm)		
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	19.20	19.55	19.31	20.5	0	
3	QPSK	1	8	19.28	19.37	19.29			
3	QPSK	1	14	19.29	19.49	19.33			
3	QPSK	8	0	19.34	19.48	19.26			
3	QPSK	8	7	19.38	19.44	19.25			
3	QPSK	8	4	19.24	19.43	19.25	20.5	0	
3	QPSK	16	0	19.31	19.50	19.24			
3	16QAM	1	0	19.32	19.57	19.30			
3	16QAM	1	8	19.33	19.44	19.29			
3	16QAM	1	14	19.24	19.54	19.25			
3	16QAM	8	0	19.28	19.41	19.28	20.5	0	
3	16QAM	8	4	19.29	19.42	19.26			
3	16QAM	8	7	19.38	19.44	19.26			
3	16QAM	15	0	19.28	19.52	19.28			
3	64QAM	1	0	19.25	19.42	19.32			
3	64QAM	1	8	19.30	19.43	19.32	20.5	0	
3	64QAM	1	14	19.25	19.46	19.25			
3	64QAM	8	0	19.32	19.50	19.36			
3	64QAM	8	4	19.28	19.49	19.32			
3	64QAM	8	7	19.38	19.44	19.26			
3	256QAM	1	0	19.29	19.52	19.26	20.5	0	
3	256QAM	1	8	19.30	19.44	19.33			
3	256QAM	1	14	19.29	19.52	19.40			
3	256QAM	8	0	19.31	19.37	19.35			
3	256QAM	8	4	19.32	19.48	19.24			
3	256QAM	8	7	19.25	19.53	19.32	20.5	0	
3	256QAM	15	0	19.26	19.29	19.25			
3	256QAM	15	0	19.26	19.29	19.25			
3	256QAM	15	0	19.26	19.29	19.25			
3	256QAM	15	0	19.26	19.29	19.25			
Channel				26995	26995	27033	Tune-up limit (dBm)		
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	19.27	19.45	19.31	20.5	0	
1.4	QPSK	1	3	19.34	19.40	19.30			
1.4	QPSK	1	5	19.22	19.50	19.36			
1.4	QPSK	3	0	19.27	19.57	19.27			
1.4	QPSK	3	1	19.36	19.49	19.32			
1.4	QPSK	3	3	19.21	19.38	19.31	20.5	0	
1.4	QPSK	6	0	19.24	19.56	19.26			
1.4	16QAM	1	0	19.32	19.56	19.37			
1.4	16QAM	1	3	19.27	19.41	19.25			
1.4	16QAM	1	5	19.20	19.47	19.30			
1.4	16QAM	3	1	19.20	19.48	19.26	20.5	0	
1.4	16QAM	3	3	19.36	19.41	19.20			
1.4	16QAM	6	0	19.30	19.53	19.30			
1.4	64QAM	1	0	19.29	19.45	19.26			
1.4	64QAM	1	3	19.28	19.52	19.34			
1.4	64QAM	1	5	19.29	19.43	19.31	20.5	0	
1.4	64QAM	3	0	19.37	19.46	19.27			
1.4	64QAM	3	1	19.26	19.54	19.29			
1.4	64QAM	3	3	19.30	19.53	19.28			
1.4	64QAM	6	0	19.20	19.49	19.24			
1.4	256QAM	1	0	19.20	19.55	19.20	20.5	0	
1.4	256QAM	1	3	19.25	19.50	19.31			
1.4	256QAM	1	5	19.20	19.53	19.31			
1.4	256QAM	3	0	19.27	19.44	19.28			
1.4	256QAM	3	1	19.33	19.54	19.33			
1.4	256QAM	3	3	19.25	19.52	19.29	20.5	0	
1.4	256QAM	6	0	19.27	19.35	19.38			
1.4	256QAM	6	0	19.27	19.35	19.38			
1.4	256QAM	6	0	19.27	19.35	19.38			
1.4	256QAM	6	0	19.27	19.35	19.38			

Band 4 Ant3 DS11														
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-on time (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20050 20175 20300														
20	QPSK	1	0	24.87	24.05	24.91	25.7	0						
20	QPSK	1	40	24.78	24.91	24.81								
20	QPSK	1	80	24.98	24.98	24.98								
20	QPSK	50	0	23.93	23.09	23.85								
20	QPSK	50	24	23.83	23.97	23.81	24.7	1						
20	QPSK	50	48	23.98	23.98	23.98								
20	QPSK	100	0	23.95	23.04	23.93								
20	16QAM	1	0	23.83	23.92	23.87								
20	16QAM	1	40	23.94	23.92	23.92	24.7	1						
20	16QAM	1	80	23.83	23.85	23.83								
20	16QAM	50	0	22.96	23.02	22.92								
20	16QAM	50	24	22.93	22.94	22.93								
20	16QAM	100	0	22.87	22.81	22.74	23.7	2						
20	16QAM	100	0	22.96	22.96	22.96								
20	16QAM	1	0	22.70	22.96	22.92								
20	16QAM	1	40	22.70	22.87	22.84								
20	16QAM	1	80	22.87	22.83	22.86	23.7	2						
20	16QAM	50	0	21.93	22.01	21.92								
20	16QAM	50	24	21.82	21.97	21.78								
20	16QAM	50	50	21.91	21.84	21.79								
20	16QAM	100	0	21.84	21.93	21.96	22.7	3						
20	16QAM	100	0	19.96	20.04	19.95								
20	256QAM	1	40	19.82	19.94	19.77								
20	256QAM	1	80	19.84	19.79	19.81								
20	256QAM	50	0	19.86	19.89	19.88	20.7	5						
20	256QAM	50	24	19.86	19.93	19.92								
20	256QAM	50	50	19.77	19.88	19.83								
20	256QAM	100	0	19.79	19.81	19.80								
Channel														
Frequency (MHz)														
1712.5 1732.5 1747.5														
15	QPSK	1	0	24.79	24.82	24.84	25.7	0						
15	QPSK	1	37	24.68	24.82	24.77								
15	QPSK	1	74	24.71	24.75	24.87								
15	QPSK	36	0	23.80	23.85	23.71								
15	QPSK	36	20	23.70	23.89	23.71	24.7	1						
15	QPSK	36	39	23.81	23.80	23.71								
15	QPSK	72	0	23.81	23.92	23.88								
15	16QAM	1	0	23.70	23.91	23.81								
15	16QAM	1	37	23.83	23.79	23.84	24.7	1						
15	16QAM	1	74	23.75	23.74	23.80								
15	16QAM	36	0	22.88	22.94	22.79								
15	16QAM	36	20	22.70	22.90	22.89								
15	16QAM	36	39	23.84	22.73	22.88	23.7	2						
15	16QAM	75	0	22.84	22.92	22.92								
15	16QAM	75	0	22.74	22.92	22.92								
15	16QAM	1	37	22.92	22.92	22.81								
15	16QAM	1	74	22.80	22.74	22.80	23.7	2						
15	16QAM	36	0	22.67	22.67	22.67								
15	16QAM	36	20	21.79	21.95	21.72								
15	16QAM	36	39	21.78	21.75	21.69								
15	256QAM	1	0	19.94	20.00	19.77	20.7	5						
15	256QAM	1	37	19.78	19.98	19.73								
15	256QAM	1	74	19.84	19.73	19.87								
15	256QAM	36	0	19.75	19.86	19.78								
15	256QAM	36	20	19.79	19.85	19.84	20.7	5						
15	256QAM	36	39	19.77	19.81	19.79								
15	256QAM	75	0	19.70	19.87	19.71								
15	256QAM	75	0	19.70	19.87	19.71								
Channel														
Frequency (MHz)														
1732.5 1752.5 1767.5														
10	QPSK	1	0	24.76	24.80	24.88	25.7	0						
10	QPSK	1	25	24.68	24.83	24.76								
10	QPSK	1	49	24.70	24.84	24.79								
10	QPSK	1	73	24.73	24.88	24.81								
10	QPSK	25	0	23.75	23.89	23.76	24.7	1						
10	QPSK	25	24	23.85	23.73	23.75								
10	QPSK	25	48	23.94	23.84	23.85								
10	16QAM	1	0	23.74	23.88	23.77								
10	16QAM	1	25	23.68	23.82	23.71	24.7	1						
10	16QAM	1	49	23.75	23.82	23.71								
10	16QAM	25	0	22.83	22.99	22.80								
10	16QAM	25	24	22.93	22.81	22.82								
10	16QAM	25	48	23.79	22.71	22.71	23.7	2						
10	16QAM	50	0	22.79	22.84	22.88								
10	16QAM	50	24	22.89	22.84	22.84								
10	16QAM	1	25	22.68	22.72	22.70								
10	16QAM	1	49	22.74	22.69	22.70	23.7	2						
10	16QAM	25	0	21.84	21.96	21.82								
10	16QAM	25	24	21.83	21.80	21.89								
10	16QAM	25	48	21.83	21.85	21.84								
10	256QAM	1	0	19.94	20.02	19.75	20.7	5						
10	256QAM	1	25	19.73	19.89	19.65								
10	256QAM	1	49	19.78	19.87	19.79								
10	256QAM	25	0	19.75	19.76	19.82								
10	256QAM	25	24	19.83	19.88	19.88	20.7	5						
10	256QAM	25	48	19.82	19.85	19.85								
10	256QAM	50	0	19.72	19.72	19.78								
10	256QAM	50	24	19.72	19.72	19.78								
Channel														
Frequency (MHz)														
19975 20175 20375														
5	QPSK	1	0	24.72	24.81	24.79	25.7	0						
5	QPSK	1	12	24.67	24.82	24.76								
5	QPSK	1	24	24.76	24.85	24.69								
5	QPSK	12	0	23.84	23.90	23.82								
5	QPSK	12	7	23.81	23.82	23.68	24.7	1						
5	QPSK	12	13	23.81	23.82	23.68								
5	QPSK	25	0	23.77	23.86	23.79								
5	QPSK	25	0	23.81	23.82	23.79								
5	16QAM	1	12	23.68	23.85	23.77	24.7	1						
5	16QAM	1	24	23.78	23.79	23.79								
5	16QAM	12	0	23.68	23.86	23.68								
5	16QAM	12	7	22.68	22.88	22.72								
5	16QAM	12	13	22.77	22.76	22.67	23.7	2						
5	16QAM	25	0	22.68	22.84	22.70								
5	16QAM	25	0	22.65	22.93	22.78								
5	16QAM	1	12	22.60	22.79	22.73								
5	16QAM	1	24	22.70	22.76	22.79	22.7	3						
5	16QAM	12	0	21.87	21.90	21.83								
5	16QAM	12	7	21.68	21.88	21.75								
5	16QAM	12	13	21.76	21.87	21.80								
5	256QAM	1	0	19.93	19.98	19.71	20.7	5						
5	256QAM	1	12	19.77	19.85	19.71								
5	256QAM	1	24	19.82	19.77	19.69								
5	256QAM	12	0	19.79	19.85	19.84								
5	256QAM	12	7	19.84	19.81	19.73	20.7	5						
5	256QAM	12	13	19.71	19.82	19.75								
5	256QAM	25	0	19.70	19.76	19.71								
5	256QAM	25	0	19.70	19.76	19.71								
Channel														
Frequency (MHz)														
1717.5 1737.5 1757.5														
3	QPSK	1	0	24.79	24.81	24.88	25.7	0						
3	QPSK	1	8	24.69	24.77	24.78								
3	QPSK	1	14	24.72	24.63	24.70								
3	QPSK	8	0	23.83	23.96	23.77								
3	QPSK	8	4	23.74	23.88	23.68	24.7	1						
3	QPSK	8	7	23.81	23.78	23.81								
3	QPSK	15	0	23.80	23.80	23.87								
3	16QAM	1	0	23.77	23.82	23.87								
3	16QAM	1	8	23.72	23.89	23.81	24.7	1						
3	16QAM	1	14	23.72	23.76	23.78								
3	16QAM	8	0	22.94	22.91	22.79								
3	16QAM	8	4	22.88	22.84	22.70								
3	16QAM	8	7	22.76	22.69	22.68	23.7	2						
3	16QAM	15	0	22.81	22.88	22.84								
3	16QAM	15	0	22.85	22.89	22.79								
3	16QAM	1	8	22.67	22.82	22.73								
3	16QAM	1	14	22.84	22.73	22.81	23.7	2						
3	16QAM	8	0	21.87	21.87	21.80								

Band 38 Other PA Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.01	24.11	24.05	25	0	
20	QPSK	1	49	23.88	24.05	23.98			
20	QPSK	1	99	23.91	24.00	23.96			
20	QPSK	50	0	22.97	23.12	23.00	24	1	
20	QPSK	50	24	22.87	22.99	23.00			
20	QPSK	50	50	22.96	22.95	23.00			
20	QPSK	100	0	23.03	23.10	23.05	24	2	
20	16QAM	1	0	22.96	23.07	23.05			
20	16QAM	1	49	22.90	23.03	23.00			
20	16QAM	1	99	22.86	22.98	22.98	23	2	
20	16QAM	50	0	21.99	22.12	22.05			
20	16QAM	50	24	21.85	21.95	22.04			
20	16QAM	50	50	21.90	21.92	21.95	23	2	
20	16QAM	100	0	22.01	22.02	22.05			
20	64QAM	1	0	21.98	22.05	21.99			
20	64QAM	1	49	21.91	22.02	22.05	22	3	
20	64QAM	1	99	21.84	21.98	21.95			
20	64QAM	50	0	20.99	21.11	21.05			
20	64QAM	50	24	20.90	21.00	21.05	20	5	
20	64QAM	50	50	20.91	20.89	20.96			
20	64QAM	100	0	21.03	21.11	21.09			
20	256QAM	1	0	18.99	19.18	18.98	20	5	
20	256QAM	1	49	18.85	19.00	19.00			
20	256QAM	1	99	18.99	18.99	19.06			
20	256QAM	50	0	19.00	19.09	19.15	20	5	
20	256QAM	50	24	19.01	19.02	19.09			
20	256QAM	50	50	18.92	19.00	18.98			
20	256QAM	100	0	18.83	18.96	18.93			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.89	24.08	24.02	25	0	
15	QPSK	1	37	23.77	23.91	23.86			
15	QPSK	1	74	23.82	23.91	23.91			
15	QPSK	36	0	22.93	22.99	22.94	24	1	
15	QPSK	36	20	22.84	22.92	22.91			
15	QPSK	36	39	22.89	22.92	22.94			
15	QPSK	75	0	23.00	22.99	23.00	24	1	
15	16QAM	1	0	22.84	22.97	22.99			
15	16QAM	1	37	22.84	22.91	22.95			
15	16QAM	1	74	22.82	22.90	22.92	23	2	
15	16QAM	36	0	21.97	22.03	21.97			
15	16QAM	36	20	21.82	21.89	21.93			
15	16QAM	36	39	21.84	21.90	21.89	23	2	
15	16QAM	75	0	21.87	21.92	21.94			
15	64QAM	1	0	21.95	21.94	21.87			
15	64QAM	1	37	21.83	21.94	21.98	23	2	
15	64QAM	1	74	21.77	21.86	21.93			
15	64QAM	36	0	20.88	21.08	20.99			
15	64QAM	36	20	20.81	20.95	20.91	22	3	
15	64QAM	36	39	20.88	20.80	20.85			
15	64QAM	75	0	20.98	21.07	20.97			
15	256QAM	1	0	18.86	19.12	18.94	20	5	
15	256QAM	1	37	18.72	18.92	18.86			
15	256QAM	1	74	18.88	18.94	18.96			
15	256QAM	36	0	18.89	19.01	19.02	20	5	
15	256QAM	36	20	18.92	18.94	19.04			
15	256QAM	36	39	18.81	18.97	18.85			
15	256QAM	75	0	18.75	18.90	18.83			
Channel				37690	38000	38220	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.95	24.00	24.00	25	0	
10	QPSK	1	25	23.76	24.02	23.85			
10	QPSK	1	49	23.92	23.94	23.84			
10	QPSK	25	0	22.85	22.98	22.88	24	1	
10	QPSK	25	12	22.81	22.90	22.88			
10	QPSK	25	25	22.94	22.92	22.88			
10	QPSK	50	0	23.00	23.00	22.97	24	1	
10	16QAM	1	0	22.92	23.00	23.00			
10	16QAM	1	25	22.81	22.91	22.87			
10	16QAM	1	49	22.78	22.93	22.91	23	2	
10	16QAM	25	0	21.87	22.06	21.89			
10	16QAM	25	12	21.81	21.89	21.95			
10	16QAM	25	25	21.81	21.87	21.87	23	2	
10	16QAM	50	0	21.90	21.99	22.02			
10	64QAM	1	0	21.85	21.99	21.96			
10	64QAM	1	25	21.80	21.88	22.00	22	3	
10	64QAM	1	49	21.75	21.91	21.86			
10	64QAM	25	0	20.87	21.07	20.95			
10	64QAM	25	12	20.81	20.92	20.95	20	5	
10	64QAM	25	25	20.82	20.82	20.89			
10	64QAM	50	0	20.92	21.00	20.97			
10	256QAM	1	0	18.85	19.12	18.95	20	5	
10	256QAM	1	25	18.76	18.88	18.92			
10	256QAM	1	49	18.96	18.95	18.95			
10	256QAM	25	0	18.92	18.99	19.08	20	5	
10	256QAM	25	12	18.97	18.98	19.04			
10	256QAM	25	25	18.81	18.97	18.87			
10	256QAM	50	0	18.70	18.94	18.88			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.90	24.04	24.01	25	0	
5	QPSK	1	12	23.84	23.96	23.90			
5	QPSK	1	24	23.86	23.92	23.92			
5	QPSK	12	0	22.94	23.03	22.91	24	1	
5	QPSK	12	7	22.79	22.92	22.88			
5	QPSK	12	13	22.84	22.85	22.96			
5	QPSK	25	0	23.01	22.97	23.02	24	1	
5	16QAM	1	0	22.89	22.95	23.00			
5	16QAM	1	12	22.80	22.92	22.88			
5	16QAM	1	24	22.78	22.96	22.90	23	2	
5	16QAM	12	0	21.86	22.06	21.88			
5	16QAM	12	7	21.80	21.85	21.90			
5	16QAM	12	13	21.83	21.86	21.82	23	2	
5	16QAM	25	0	21.95	21.97	22.01			
5	64QAM	1	0	21.94	21.92	21.92			
5	64QAM	1	12	21.86	21.96	21.99	23	2	
5	64QAM	1	24	21.72	21.95	21.82			
5	64QAM	12	0	20.90	21.08	20.95			
5	64QAM	12	7	20.80	20.93	20.99	22	3	
5	64QAM	12	13	20.87	20.84	20.92			
5	64QAM	25	0	20.97	21.05	21.07			
5	256QAM	1	0	18.94	19.10	18.90	20	5	
5	256QAM	1	12	18.76	18.97	18.91			
5	256QAM	1	24	18.87	18.96	18.98			
5	256QAM	12	0	18.96	18.99	19.10	20	5	
5	256QAM	12	7	18.96	18.89	19.00			
5	256QAM	12	13	18.83	18.90	18.95			
5	256QAM	25	0	18.72	18.88	18.86			

Band 41 Other PA Ant3 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				39750	40185	40620	41055	41490			
20	QPSK	1	0	24.02	24.09	24.10	24.05	24.02			
20	QPSK	1	49	23.88	24.05	24.08	23.95	23.96	25	0	
20	QPSK	1	99	23.93	23.95	24.04	23.95	23.94			
20	QPSK	50	0	23.02	23.09	23.14	23.06	23.03			
20	QPSK	50	0	22.85	23.05	23.09	23.00	22.95	24	1	
20	QPSK	50	50	22.92	22.98	23.06	22.97	22.93			
20	QPSK	100	0	23.08	23.05	23.09	23.08	23.01			
20	16QAM	1	0	23.06	23.12	23.05	23.07	23.06			
20	16QAM	1	49	22.93	23.02	23.07	22.98	23.01	24	1	
20	16QAM	1	99	22.90	22.92	23.09	22.98	22.95			
20	16QAM	50	0	22.08	22.03	22.07	22.04	22.05			
20	16QAM	50	24	21.84	22.00	22.02	22.05	21.99	23	2	
20	16QAM	50	50	21.88	21.99	22.16	22.02	21.88			
20	16QAM	100	0	22.05	22.00	22.13	22.12	22.05			
20	64QAM	1	0	22.04	22.14	22.02	22.08	22.09			
20	64QAM	1	49	21.90	22.01	22.09	21.95	22.05	23	2	
20	64QAM	1	99	21.91	21.95	22.13	21.95	21.94			
20	64QAM	50	0	21.03	21.15	21.19	21.06	21.07			
20	64QAM	50	24	20.90	21.06	21.15	21.04	20.99	22	3	
20	64QAM	50	50	20.93	20.95	21.01	21.01	20.99			
20	64QAM	100	0	21.14	21.02	21.10	21.12	20.98			
20	256QAM	1	0	19.07	19.15	19.18	19.06	19.07	20	5	
20	256QAM	1	49	18.89	19.05	19.12	19.04	18.95			
20	256QAM	1	99	18.92	19.03	19.03	18.98	18.88			
20	256QAM	50	0	19.09	19.08	19.08	19.08	19.02			
20	256QAM	50	24	18.94	19.11	19.03	19.07	19.10	20	5	
20	256QAM	50	50	18.89	19.03	19.04	19.07	18.99			
20	256QAM	100	0	18.93	18.91	19.10	18.99	18.93			
Channel Frequency (MHz)				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.89	24.06	24.06	24.04	23.98	25.00	0	
15	QPSK	1	37	23.79	23.96	23.97	23.81	23.88			
15	QPSK	1	74	23.88	23.81	24.00	23.83	23.98			
15	QPSK	36	0	22.92	23.02	23.03	22.94	22.97	24	1	
15	QPSK	36	20	22.74	22.93	23.00	22.90	22.83			
15	QPSK	36	39	22.89	22.90	22.95	22.93	22.79			
15	QPSK	75	0	22.99	23.02	22.96	23.04	22.87	24	1	
15	16QAM	1	0	22.95	23.04	22.92	23.00	22.92			
15	16QAM	1	37	22.84	22.91	22.92	22.90	22.83	23	2	
15	16QAM	1	74	22.81	22.86	23.03	22.87	22.88			
15	16QAM	36	0	22.01	21.94	22.09	21.93	21.92			
15	16QAM	36	20	21.71	21.93	21.96	21.92	21.96	23	2	
15	16QAM	36	39	21.85	21.94	22.06	21.98	21.81			
15	16QAM	75	0	21.97	21.88	22.10	22.08	21.91			
15	64QAM	1	0	21.98	22.01	22.01	22.02	22.02	23	2	
15	64QAM	1	37	21.80	21.94	22.06	21.84	21.95			
15	64QAM	1	74	21.81	21.83	22.06	21.81	21.85			
15	64QAM	36	0	21.00	21.07	21.10	20.93	20.95	22	3	
15	64QAM	36	20	20.80	20.95	21.01	20.93	20.80			
15	64QAM	36	39	20.84	20.91	20.93	20.86	20.88			
15	64QAM	75	0	21.05	20.88	21.00	21.04	20.87	20	5	
15	256QAM	1	0	19.00	19.03	19.07	18.93	19.00			
15	256QAM	1	37	18.87	19.00	19.08	18.93	18.88			
15	256QAM	1	74	18.88	19.00	18.95	18.90	18.79			
15	256QAM	36	0	19.05	19.02	19.02	18.96	19.06	23	2	
15	256QAM	36	20	19.02	18.95	18.92	19.04	18.99			
15	256QAM	36	39	18.80	18.97	18.94	19.00	18.89	20	5	
15	256QAM	75	0	18.82	18.89	18.97	18.85	18.90			
Channel Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.01	23.47	23.50	23.33	23.63	25.00	0	
10	QPSK	1	25	23.82	23.91	23.95	23.90	23.86			
10	QPSK	1	49	23.84	23.91	23.98	23.92	23.83			
10	QPSK	25	0	22.91	23.02	23.04	22.92	22.96	24	1	
10	QPSK	25	12	22.72	23.01	22.98	22.93	22.88			
10	QPSK	25	25	22.87	22.90	22.98	22.84	22.89	23	2	
10	QPSK	30	0	23.04	23.92	23.93	23.98	23.95			
10	16QAM	1	0	22.93	23.04	22.95	23.04	23.00	24	1	
10	16QAM	1	25	22.83	23.00	23.03	22.88	22.97			
10	16QAM	1	49	22.87	22.87	23.02	22.86	22.84	23	2	
10	16QAM	25	0	22.05	21.93	22.09	21.90	21.91			
10	16QAM	25	12	21.80	21.86	21.99	21.96	21.95			
10	16QAM	25	25	21.85	21.90	22.02	21.88	21.79	22	3	
10	64QAM	50	0	21.93	21.88	22.09	22.09	21.97			
10	64QAM	1	0	21.99	22.01	21.98	21.98	22.00	23	2	
10	64QAM	1	25	21.79	21.92	22.06	21.83	21.97			
10	64QAM	1	49	21.77	21.89	22.03	21.82	21.82			
10	64QAM	1	74	20.91	21.06	21.16	21.01	21.00	22	3	
10	64QAM	25	12	20.79	21.03	21.11	20.93	20.84			
10	64QAM	25	25	20.84	20.93	20.89	20.98	20.92			
10	64QAM	50	0	21.11	20.89	21.03	21.05	20.90	20	5	
10	256QAM	1	0	18.93	19.00	19.14	19.03	18.95			
10	256QAM	1	25	18.85	18.96	19.03	18.92	18.93			
10	256QAM	1	49	18.81	18.95	18.95	18.96	18.84	23	2	
10	256QAM	25	0	19.02	19.00	19.02	19.05	18.97			
10	256QAM	25	12	18.92	18.98	18.95	19.05	19.02	20	5	
10	256QAM	25	25	18.85	18.97	18.95	18.91	18.90			
10	256QAM	50	0	18.84	18.87	19.02	18.90	18.89			
Channel Frequency (MHz)				39715	40165	40620	41085	41555	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.99	23.96	24.06	23.95	23.94	25.00	0	
5	QPSK	1	12	23.75	23.91	24.05	23.84	23.86			
5	QPSK	1	24	23.88	23.85	23.97	23.88	23.83			
5	QPSK	12	0	22.94	23.01	23.06	22.83	22.99	24	1	
5	QPSK	12	13	22.75	22.97	23.02	22.80	22.85			
5	QPSK	25	0	23.05	22.94	22.99	22.97	22.95	23	2	
5	16QAM	1	0	23.04	23.03	22.91	22.94	23.01			
5	16QAM	1	12	22.83	22.88	22.98	22.86	22.91	24	1	
5	16QAM	1	24	22.87	22.85	23.06	22.87	22.92			
5	16QAM	12	0	22.05	21.99	22.13	21.96	22.02			
5	16QAM	12	7	21.75	21.95	21.93	21.92	21.86	23	2	
5	16QAM	12	13	21.84	21.87	22.02	21.97	21.82			
5	16QAM	25	0	21.99	21.96	22.03	22.06	21.94			
5	64QAM	1	0	21.93	22.07	21.95	22.05	22.05	23	2	
5	64QAM	1	12	21.83	21.98	21.96	21.91	21.85			
5	64QAM	1	24	21.82	21.83	22.08	21.83	21.86			
5	64QAM	12	0	20.90	21.03	21.09	20.96	20.95	22	3	
5	64QAM	12	7	20.85	20.92	21.06	20.99	20.86			
5	64QAM	12	13	20.83	20.89	20.96	20.97	20.93			
5	64QAM	25	0	21.09	20.93	21.07	21.06	20.99	20	5	
5	256QAM	1	0	19.00	19.03	19.15	18.97	18.97			
5	256QAM	1	12	18.84	18.93	18.99	18.99	18.87			
5	256QAM	1	24	18.79	18.98	18.94	18.90	18.86			
5	256QAM	12	0	18.98	19.01	19.03	18.96	18.92			
5	256QAM	12	7	18.94	19.02	18.98	18.94	19.07	23	2	
5	256QAM	12	13	18.87	18.95	18.96	18.92	18.86			
5	256QAM	25	0	18.83	18.87	18.96	18.95	18.85			

GSM1900 Arkt DS15		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1852.2	1890	1929.8	(dBm)		1852.2	1890	1929.8	(dBm)	
GSM 1 Tx slot		27.52	27.60	27.57	29.00		18.52	18.60	18.57	20.00	
GPRS 1 Tx slot		27.45	27.54	27.55	29.00		18.45	18.54	18.55	20.00	
GPRS 2 Tx slots		24.48	24.58	24.47	26.00		16.48	16.58	16.47	20.00	
GPRS 3 Tx slots		22.50	22.61	22.56	24.20		16.24	16.35	16.30	19.94	
GPRS 4 Tx slots		21.36	21.45	21.38	23.00		16.36	16.45	16.38	20.00	
EDGE 1 Tx slot		23.46	23.47	23.43	24.50		14.46	14.47	14.43	15.50	
EDGE 2 Tx slots		20.19	20.25	20.19	21.50		14.19	14.25	14.19	15.50	
EDGE 3 Tx slots		18.55	18.65	18.65	19.70		14.29	14.39	14.39	15.44	
EDGE 4 Tx slots		16.75	16.66	16.66	16.50		13.75	13.66	13.66	15.50	

Band		WCDMA II Arkt DS11			Tune-up		WCDMA IV Arkt DS11			Tune-up	
TX Channel		9262	9400	9538	Limit		1312	1413	1513	Limit	
Rx Channel		9662	9800	9938	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)		1422.4	1450	1507.6			1722.2	1722.5	1722.5		
3GPP Rel 99 AMR 12.2Kbps		16.97	16.95	17.01	18.00		16.98	17.07	16.99	18.00	
3GPP Rel 99 RMC 12.2Kbps		17.11	17.20	17.19	18.00		17.08	17.13	17.07	18.00	
3GPP Rel 6 HSDPA Subtest-1		15.96	16.15	16.21	17.00		15.96	16.07	16.16	17.00	
3GPP Rel 6 HSDPA Subtest-2		16.16	16.18	16.16	17.00		16.04	16.07	16.12	17.00	
3GPP Rel 6 HSDPA Subtest-3		15.50	15.61	15.64	16.50		15.39	15.61	15.62	16.50	
3GPP Rel 6 HSDPA Subtest-4		15.50	15.67	15.60	16.50		15.53	15.71	15.61	16.50	
3GPP Rel 6 DC-HSDPA Subtest-1		16.04	16.12	16.15	17.00		16.02	16.02	16.11	17.00	
3GPP Rel 6 DC-HSDPA Subtest-2		16.06	16.11	16.10	17.00		16.12	16.09	16.17	17.00	
3GPP Rel 6 DC-HSDPA Subtest-3		15.53	15.69	15.63	16.50		15.54	15.62	15.62	16.50	
3GPP Rel 6 DC-HSDPA Subtest-4		15.64	15.68	15.72	16.50		15.61	15.62	15.68	16.50	
3GPP Rel 6 HSUPA Subtest-1		16.14	16.05	16.07	17.00		16.01	16.03	16.15	17.00	
3GPP Rel 6 HSUPA Subtest-2		13.97	14.11	14.19	15.00		13.89	14.10	14.10	15.00	
3GPP Rel 6 HSUPA Subtest-3		15.04	15.14	15.07	16.00		15.01	15.19	15.01	16.00	
3GPP Rel 6 HSUPA Subtest-4		13.97	14.18	14.09	15.00		13.94	14.13	14.02	15.00	
3GPP Rel 6 HSUPA Subtest-5		16.02	16.16	16.09	17.00		16.01	16.18	16.06	17.00	
3GPP Rel 7 HSPA+ (15CA-M) Subtest-1		13.55	13.69	13.74	14.50		13.58	13.59	13.55	14.50	

Band 2 Ant4 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on Time (s)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.41	17.53	17.53						
20	QPSK	1	49	17.36	17.48	17.48	18.5	0				
20	QPSK	1	99	17.42	17.48	17.48						
20	QPSK	50	0	17.42	17.48	17.48						
20	QPSK	50	24	17.39	17.35	17.42	18.5	0				
20	QPSK	50	49	17.39	17.35	17.42						
20	QPSK	100	0	17.35	17.35	17.35						
20	16QAM	1	0	17.44	17.38	17.34						
20	16QAM	1	49	17.41	17.41	17.44	18.5	0				
20	16QAM	1	99	17.42	17.41	17.39						
20	16QAM	50	0	17.41	17.44	17.32						
20	16QAM	50	24	17.42	17.40	17.35	18.5	0				
20	16QAM	50	50	17.38	17.48	17.33						
20	16QAM	100	0	17.42	17.39	17.33						
20	16QAM	100	0	17.45	17.43	17.39						
20	16QAM	1	49	17.37	17.45	17.33	18.5	0				
20	16QAM	1	99	17.44	17.40	17.36						
20	16QAM	50	0	17.44	17.49	17.43						
20	16QAM	50	24	17.44	17.44	17.35	18.5	0				
20	16QAM	50	50	17.35	17.40	17.40						
20	256QAM	1	49	17.41	17.45	17.41	18.5	0				
20	256QAM	50	0	17.35	17.48	17.43						
20	256QAM	50	24	17.41	17.49	17.34	18.5	0				
20	256QAM	50	50	17.35	17.38	17.38						
20	256QAM	100	0	17.44	17.46	17.36						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.29	17.35	17.35						
15	QPSK	1	37	17.30	17.37	17.36						
15	QPSK	1	74	17.33	17.35	17.35						
15	QPSK	36	0	17.27	17.28	17.28						
15	QPSK	36	20	17.32	17.44	17.28	18.5	0				
15	QPSK	36	36	17.27	17.28	17.28						
15	QPSK	75	0	17.23	17.34	17.25						
15	16QAM	1	0	17.38	17.32	17.28						
15	16QAM	1	37	17.34	17.43	17.35	18.5	0				
15	16QAM	1	74	17.29	17.32	17.33						
15	16QAM	36	0	17.28	17.36	17.22						
15	16QAM	36	20	17.35	17.40	17.25	18.5	0				
15	16QAM	36	36	17.22	17.31	17.23						
15	16QAM	75	0	17.30	17.29	17.24						
15	16QAM	75	0	17.27	17.26	17.26						
15	16QAM	1	37	17.31	17.40	17.30	18.5	0				
15	16QAM	1	74	17.33	17.32	17.24						
15	16QAM	36	0	17.25	17.30	17.25						
15	16QAM	36	20	17.34	17.38	17.30	18.5	0				
15	16QAM	36	36	17.23	17.33	17.25						
15	16QAM	75	0	17.28	17.28	17.25						
15	256QAM	1	0	17.23	17.28	17.23						
15	256QAM	1	37	17.28	17.38	17.28	18.5	0				
15	256QAM	1	74	17.28	17.45	17.25						
15	256QAM	36	0	17.22	17.30	17.25						
15	256QAM	36	20	17.33	17.40	17.28	18.5	0				
15	256QAM	36	36	17.28	17.35	17.24						
15	256QAM	75	0	17.34	17.38	17.23						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.34	17.38	17.34						
10	QPSK	1	25	17.29	17.38	17.32	18.5	0				
10	QPSK	1	49	17.33	17.32	17.31						
10	QPSK	25	0	17.33	17.32	17.31						
10	QPSK	25	12	17.35	17.37	17.30	18.5	0				
10	QPSK	25	25	17.35	17.38	17.34						
10	QPSK	50	0	17.21	17.34	17.24						
10	16QAM	1	0	17.32	17.24	17.24						
10	16QAM	1	25	17.33	17.38	17.24	18.5	0				
10	16QAM	1	49	17.28	17.35	17.31						
10	16QAM	25	0	17.27	17.32	17.26						
10	16QAM	25	12	17.32	17.32	17.26	18.5	0				
10	16QAM	25	25	17.33	17.37	17.19						
10	16QAM	50	0	17.31	17.28	17.23						
10	16QAM	50	12	17.27	17.34	17.25	18.5	0				
10	16QAM	50	25	17.33	17.37	17.19						
10	16QAM	1	25	17.26	17.33	17.18	18.5	0				
10	16QAM	1	49	17.31	17.26	17.23						
10	16QAM	25	0	17.29	17.34	17.31						
10	16QAM	25	12	17.32	17.37	17.25	18.5	0				
10	16QAM	25	25	17.30	17.35	17.21						
10	16QAM	50	0	17.25	17.31	17.29						
10	256QAM	1	0	17.26	17.33	17.25	18.5	0				
10	256QAM	1	49	17.31	17.41	17.31						
10	256QAM	25	0	17.25	17.37	17.29						
10	256QAM	25	12	17.32	17.37	17.25	18.5	0				
10	256QAM	25	25	17.32	17.38	17.21						
10	256QAM	50	0	17.30	17.34	17.23						
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.32	17.37	17.26						
5	QPSK	1	12	17.29	17.38	17.34	18.5	0				
5	QPSK	24	0	17.35	17.28	17.29						
5	QPSK	12	0	17.27	17.24	17.26						
5	QPSK	12	7	17.23	17.35	17.28	18.5	0				
5	QPSK	12	13	17.25	17.36	17.33						
5	QPSK	25	0	17.22	17.27	17.25						
5	16QAM	1	0	17.31	17.31	17.18						
5	16QAM	1	12	17.29	17.36	17.30	18.5	0				
5	16QAM	1	24	17.28	17.32	17.27						
5	16QAM	12	0	17.25	17.30	17.17						
5	16QAM	12	7	17.27	17.29	17.23	18.5	0				
5	16QAM	12	13	17.32	17.31	17.28						
5	16QAM	25	0	17.30	17.35	17.37						
5	16QAM	25	0	17.28	17.23	17.37						
5	16QAM	1	12	17.28	17.30	17.27	18.5	0				
5	16QAM	1	24	17.29	17.34	17.34						
5	16QAM	12	0	17.33	17.34	17.34						
5	16QAM	12	7	17.30	17.35	17.35	18.5	0				
5	16QAM	12	13	17.35	17.38	17.31						
5	16QAM	25	0	17.38	17.28	17.31						
5	256QAM	1	0	17.25	17.28	17.34	18.5	0				
5	256QAM	1	12	17.33	17.37	17.31						
5	256QAM	1	24	17.37	17.34	17.31						
5	256QAM	12	0	17.25	17.34	17.30						
5	256QAM	12	7	17.31	17.36	17.35	18.5	0				
5	256QAM	12	13	17.28	17.30	17.25						
5	256QAM	25	0	17.30	17.41	17.31						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.27	17.38	17.27						
3	QPSK	1	8	17.22	17.41	17.26	18.5	0				
3	QPSK	1	16	17.36	17.35	17.35						
3	QPSK	8	0	17.32	17.32	17.19						
3	QPSK	8	4	17.26	17.41	17.26	18.5	0				
3	QPSK	8	7	17.23	17.38	17.28						
3	QPSK	16	0	17.30	17.27	17.26						
3	QPSK	16	8	17.31	17.35	17.25	18.5	0				
3	16QAM	8	0	17.37	17.28	17.31						
3	16QAM	1	14	17.38	17.32	17.30						
3	16QAM	8	0	17.29	17.34	17.25	18.5	0				
3	16QAM	8	4	17.27	17.37	17.23						
3	16QAM	8	7	17.23	17.39	17.21						
3	16QAM	16	0	17.27	17.24	17.19						
3	16QAM	16	8	17.29	17.32	17.30	18.5	0				
3	16QAM	1	8	17.33	17.37	17.20						
3	16QAM	1	14	17.37	17.30	17.30						
3	16QAM	8	0	17.30	17.35	17.30						
3	16QAM	8	4	17.32	17.44	17.38	18.5	0				
3	16QAM	8	7	17.28	17.31	17.28						
3	256QAM	1	0	17.29	17.36	17.31						
3	256QAM	1	14	17.38	17.37	17.36	18.5	0				
3	256QAM	8	0	17.28	17.37	17.32						
3	256QAM	8	4	17								

Band 25 Ant4 DS11										Band 66 Ant4 DS11									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Peak Ch. / Freq.	Power High Ch. / Freq.	Time-up (dBm)	MPR (dB)		RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Peak Ch. / Freq.	Power High Ch. / Freq.	Time-up (dBm)	MPR (dB)	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	18.39	18.40	18.43	19.5	0		20	QPSK	1	0	17.79	17.80	17.83	19	0	
20	QPSK	1	49	18.51	18.48	18.43				20	QPSK	1	49	17.91	17.98	17.92			
20	QPSK	50	0	18.49	18.47	18.40				20	QPSK	50	0	17.89	17.91	17.83			
20	QPSK	50	5	18.42	18.58	18.49				20	QPSK	50	5	17.87	17.98	17.90			
20	QPSK	50	24	18.44	18.47	18.49				20	QPSK	50	24	17.89	17.90	17.85	19	0	
20	QPSK	100	0	18.44	18.57	18.49				20	QPSK	100	0	17.89	17.94	17.88			
20	QPSK	100	5	18.44	18.50	18.37				20	QPSK	100	5	17.93	17.94	17.88			
20	16QAM	1	0	18.46	18.58	18.48	19.5	0		20	16QAM	1	0	17.85	17.96	17.90			
20	16QAM	1	49	18.40	18.49	18.43				20	16QAM	1	49	17.87	17.99	17.94	19	0	
20	16QAM	1	99	18.40	18.53	18.39				20	16QAM	1	99	17.88	17.91	17.88			
20	16QAM	50	0	18.47	18.58	18.43				20	16QAM	50	0	17.87	17.98	17.98			
20	16QAM	50	24	18.46	18.58	18.38				20	16QAM	50	24	17.95	18.00	17.87			
20	16QAM	50	50	18.46	18.57	18.41	19.5	0		20	16QAM	50	50	17.92	17.94	17.90	19	0	
20	16QAM	100	0	18.44	18.54	18.39				20	16QAM	100	0	17.80	17.94	17.93			
20	16QAM	100	5	18.46	18.58	18.48				20	16QAM	100	5	17.93	17.98	17.91			
20	16QAM	1	49	18.54	18.51	18.50	19.5	0		20	16QAM	1	49	17.97	17.99	17.98	19	0	
20	16QAM	1	99	18.44	18.53	18.45				20	16QAM	1	99	17.80	17.96	17.90			
20	16QAM	50	0	18.47	18.58	18.48				20	16QAM	50	0	17.95	17.94	17.95			
20	16QAM	50	24	18.44	18.58	18.41	19.5	0		20	16QAM	50	24	17.95	18.01	17.89	19	0	
20	16QAM	50	50	18.46	18.47	18.44				20	16QAM	50	50	17.84	17.96	17.89			
20	16QAM	100	0	18.46	18.58	18.48				20	16QAM	100	0	17.83	17.98	17.91			
20	16QAM	100	5	18.48	18.53	18.39				20	16QAM	100	5	17.88	17.99	17.92			
20	256QAM	1	49	18.48	18.54	18.39	19.5	0		20	256QAM	1	49	17.95	17.93	17.88	19	0	
20	256QAM	1	99	18.43	18.48	18.37				20	256QAM	1	99	17.93	17.91	17.83			
20	256QAM	50	0	18.41	18.57	18.41				20	256QAM	50	0	17.97	17.98	17.88			
20	256QAM	50	24	18.46	18.54	18.46	19.5	0		20	256QAM	50	24	17.91	17.97	17.82	19	0	
20	256QAM	50	50	18.51	18.52	18.44				20	256QAM	50	50	17.80	17.95	17.81			
20	256QAM	100	0	18.45	18.58	18.44				20	256QAM	100	0	17.91	17.98	17.84			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	18.30	18.37	18.38	19.5	0		15	QPSK	1	0	17.79	17.88	17.72			
15	QPSK	1	37	18.35	18.38	18.27				15	QPSK	1	37	17.80	17.87	17.87			
15	QPSK	1	74	18.41	18.42	18.33				15	QPSK	1	74	17.80	17.84	17.70			
15	QPSK	36	0	18.38	18.37	18.39				15	QPSK	36	0	17.81	17.79	17.84			
15	QPSK	36	20	18.39	18.43	18.40	19.5	0		15	QPSK	36	20	17.78	17.84	17.77	19	0	
15	QPSK	36	36	18.38	18.43	18.39				15	QPSK	36	36	17.80	17.87	17.82			
15	QPSK	75	0	18.37	18.40	18.30				15	QPSK	75	0	17.86	17.84	17.84			
15	16QAM	1	0	18.42	18.48	18.43	19.5	0		15	16QAM	1	0	17.89	17.85	17.78	19	0	
15	16QAM	36	0	18.38	18.43	18.31				15	16QAM	36	0	17.93	17.88	17.74			
15	16QAM	1	74	18.30	18.48	18.33				15	16QAM	1	74	17.83	17.87	17.80			
15	16QAM	36	0	18.38	18.43	18.37				15	16QAM	36	0	17.78	17.86	17.82			
15	16QAM	36	20	18.37	18.48	18.39	19.5	0		15	16QAM	36	20	17.85	17.91	17.76	19	0	
15	16QAM	36	36	18.37	18.48	18.39				15	16QAM	36	36	17.83	17.85	17.82			
15	16QAM	75	0	18.29	18.44	18.24				15	16QAM	75	0	17.82	17.85	17.79			
15	16QAM	1	0	18.33	18.43	18.33				15	16QAM	1	0	17.85	17.88	17.75			
15	16QAM	1	37	18.29	18.38	18.28	19.5	0		15	16QAM	1	37	17.93	17.88	17.71	19	0	
15	16QAM	1	74	18.28	18.42	18.35				15	16QAM	1	74	17.85	17.83	17.75			
15	16QAM	36	0	18.31	18.43	18.33				15	16QAM	36	0	17.82	17.88	17.86			
15	16QAM	36	20	18.35	18.43	18.33	19.5	0		15	16QAM	36	20	17.85	17.96	17.84	19	0	
15	16QAM	36	36	18.43	18.40	18.31				15	16QAM	36	36	17.82	17.85	17.81			
15	256QAM	1	0	18.40	18.44	18.27				15	256QAM	1	0	17.78	17.85	17.81			
15	256QAM	1	37	18.43	18.39	18.28	19.5	0		15	256QAM	1	37	17.89	17.88	17.76	19	0	
15	256QAM	1	74	18.28	18.39	18.27				15	256QAM	1	74	17.77	17.78	17.85			
15	256QAM	36	0	18.29	18.45	18.36				15	256QAM	36	0	17.88	17.89	17.77			
15	256QAM	36	20	18.40	18.38	18.40	19.5	0		15	256QAM	36	20	17.85	17.84	17.72	19	0	
15	256QAM	36	36	18.38	18.45	18.40				15	256QAM	36	36	17.83	17.88	17.86			
15	256QAM	75	0	18.35	18.45	18.39				15	256QAM	75	0	17.78	17.82	17.77			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	18.32	18.39	18.38	19.5	0		10	QPSK	1	0	17.88	17.82	17.73			
10	QPSK	1	25	18.40	18.40	18.38				10	QPSK	1	25	17.85	17.88	17.81			
10	QPSK	1	49	18.40	18.31	18.33				10	QPSK	1	49	17.87	17.87	17.74			
10	QPSK	25	0	18.31	18.38	18.43				10	QPSK	25	0	17.78	17.89	17.79			
10	QPSK	25	12	18.35	18.42	18.44	19.5	0		10	QPSK	25	12	17.78	17.84	17.71	19	0	
10	QPSK	25	24	18.30	18.50	18.35				10	QPSK	25	24	17.81	17.81	17.78			
10	QPSK	50	0	18.38	18.42	18.31				10	QPSK	50	0	17.85	17.89	17.78			
10	16QAM	1	0	18.33	18.46	18.36	19.5	0		10	16QAM	1	0	17.83	17.89	17.78	19	0	
10	16QAM	1	25	18.43	18.34	18.34				10	16QAM	1	25	17.74	17.89	17.76			
10	16QAM	1	49	18.31	18.42	18.35				10	16QAM	1	49	17.77	17.77	17.77			
10	16QAM	25	0	18.40	18.53	18.38				10	16QAM	25	0	17.83	17.80	17.73			
10	16QAM	25	12	18.32	18.44	18.39	19.5	0		10	16QAM	25	12	17.81	17.87	17.75	19	0	
10	16QAM	25	24	18.39	18.45	18.33				10	16QAM	25	24	17.79	17.85	17.75			
10	16QAM	50	0	18.32	18.48	18.27				10	16QAM	50	0	17.84	17.86	17.69			
10	16QAM	50	0	18.39	18.48	18.39				10	16QAM	50	0	17.89	17.91	17.77			
10	16QAM	1	25	18.31	18.38	18.34	19.5	0		10	16QAM	1	25	17.81	17.82	17.80	19	0	
10	16QAM	1	49	18.34	18.44	18.34				10	16QAM	1	49	17.84	17.87	17.84			

Band 38 Ant4 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							37850	38000	38150	
							2580	2595	2610	
20	QPSK	1	0	19.57	19.69	19.60	20.2	0		
20	QPSK	1	49	19.60	19.62	19.54				
20	QPSK	1	99	19.60	19.64	19.58				
20	QPSK	50	0	19.59	19.61	19.54	20.2	0		
20	QPSK	50	24	19.59	19.60	19.53				
20	QPSK	50	50	19.54	19.57	19.52				
20	QPSK	100	0	19.57	19.64	19.56	20.2	0		
20	16QAM	1	0	19.53	19.65	19.50				
20	16QAM	1	49	19.62	19.58	19.50				
20	16QAM	1	99	19.55	19.64	19.61	20.2	0		
20	16QAM	50	0	19.53	19.65	19.55				
20	16QAM	50	24	19.61	19.67	19.54				
20	16QAM	50	50	19.58	19.62	19.51	20.2	0		
20	16QAM	100	0	19.61	19.57	19.49				
20	64QAM	1	0	19.60	19.63	19.57				
20	64QAM	1	49	19.63	19.64	19.55	20.2	0		
20	64QAM	1	99	19.64	19.65	19.55				
20	64QAM	50	0	19.59	19.56	19.52				
20	64QAM	50	24	19.62	19.66	19.59	20.2	0		
20	64QAM	50	50	19.57	19.56	19.57				
20	64QAM	100	0	19.57	19.63	19.50				
20	256QAM	1	0	19.58	19.67	19.58	20.2	0		
20	256QAM	1	49	19.61	19.65	19.59				
20	256QAM	1	99	19.62	19.62	19.54				
20	256QAM	50	0	19.52	19.62	19.60	20.2	0		
20	256QAM	50	24	19.53	19.61	19.60				
20	256QAM	50	50	19.64	19.61	19.53				
20	256QAM	100	0	19.63	19.59	19.57	20.2	0		
Channel										
Frequency (MHz)							2577.5	2595	2612.5	
15	QPSK	1	0	19.50	19.58	19.48	20.2	0		
15	QPSK	1	37	19.50	19.46	19.49				
15	QPSK	1	74	19.53	19.51	19.44				
15	QPSK	36	0	19.51	19.52	19.41	20.2	0		
15	QPSK	36	20	19.55	19.45	19.38				
15	QPSK	36	39	19.39	19.43	19.43				
15	QPSK	75	0	19.49	19.57	19.47	20.2	0		
15	16QAM	1	0	19.40	19.54	19.35				
15	16QAM	1	37	19.50	19.53	19.39				
15	16QAM	1	74	19.41	19.56	19.56	20.2	0		
15	16QAM	36	0	19.38	19.55	19.38				
15	16QAM	36	20	19.45	19.57	19.41				
15	16QAM	36	39	19.48	19.49	19.35	20.2	0		
15	16QAM	75	0	19.54	19.58	19.53				
15	64QAM	1	37	19.55	19.55	19.47				
15	64QAM	1	74	19.53	19.56	19.44	20.2	0		
15	64QAM	36	0	19.46	19.44	19.47				
15	64QAM	36	20	19.57	19.53	19.52				
15	64QAM	36	39	19.46	19.45	19.43	20.2	0		
15	64QAM	75	0	19.48	19.51	19.34				
15	256QAM	1	0	19.44	19.61	19.43				
15	256QAM	1	37	19.50	19.49	19.53	20.2	0		
15	256QAM	1	74	19.54	19.55	19.40				
15	256QAM	36	0	19.37	19.48	19.48				
15	256QAM	36	20	19.41	19.57	19.56	20.2	0		
15	256QAM	36	39	19.54	19.57	19.45				
15	256QAM	75	0	19.39	19.54	19.47				
Channel							37800	38000	38200	
Frequency (MHz)							2575	2595	2615	
10	QPSK	1	0	19.49	19.54	19.54	20.2	0		
10	QPSK	1	25	19.48	19.47	19.49				
10	QPSK	1	49	19.50	19.55	19.51				
10	QPSK	25	0	19.46	19.53	19.40	20.2	0		
10	QPSK	25	12	19.45	19.48	19.38				
10	QPSK	25	25	19.39	19.49	19.39				
10	QPSK	50	0	19.46	19.49	19.47	20.2	0		
10	16QAM	1	0	19.37	19.53	19.41				
10	16QAM	1	25	19.50	19.42	19.34				
10	16QAM	1	49	19.47	19.52	19.55	20.2	0		
10	16QAM	25	0	19.42	19.58	19.47				
10	16QAM	25	12	19.45	19.62	19.43				
10	16QAM	25	25	19.46	19.51	19.39	20.2	0		
10	16QAM	50	0	19.52	19.47	19.39				
10	64QAM	1	0	19.55	19.56	19.49				
10	64QAM	1	25	19.48	19.48	19.41	20.2	0		
10	64QAM	1	49	19.57	19.55	19.45				
10	64QAM	25	0	19.52	19.51	19.45				
10	64QAM	25	12	19.56	19.51	19.51	20.2	0		
10	64QAM	25	25	19.43	19.52	19.50				
10	64QAM	50	0	19.43	19.58	19.38				
10	256QAM	1	0	19.53	19.58	19.50	20.2	0		
10	256QAM	1	25	19.57	19.54	19.47				
10	256QAM	1	49	19.55	19.53	19.42				
10	256QAM	25	0	19.44	19.49	19.50	20.2	0		
10	256QAM	25	12	19.41	19.52	19.51				
10	256QAM	25	25	19.48	19.54	19.45				
10	256QAM	50	0	19.53	19.53	19.43	20.2	0		
Channel										
Frequency (MHz)							2572.5	2595	2617.5	
5	QPSK	1	0	19.42	19.56	19.53	20.2	0		
5	QPSK	1	12	19.45	19.46	19.41				
5	QPSK	1	24	19.47	19.50	19.52				
5	QPSK	12	0	19.46	19.45	19.46	20.2	0		
5	QPSK	12	7	19.48	19.44	19.48				
5	QPSK	12	13	19.41	19.44	19.37				
5	QPSK	25	0	19.50	19.57	19.46	20.2	0		
5	16QAM	1	0	19.45	19.58	19.45				
5	16QAM	1	12	19.54	19.48	19.38				
5	16QAM	1	24	19.50	19.54	19.51	20.2	0		
5	16QAM	12	0	19.42	19.55	19.41				
5	16QAM	12	7	19.46	19.60	19.41				
5	16QAM	12	13	19.46	19.53	19.40	20.2	0		
5	16QAM	25	0	19.48	19.50	19.43				
5	64QAM	1	0	19.56	19.57	19.48				
5	64QAM	1	12	19.54	19.59	19.45	20.2	0		
5	64QAM	1	24	19.48	19.58	19.48				
5	64QAM	12	0	19.45	19.42	19.38				
5	64QAM	12	7	19.55	19.53	19.50	20.2	0		
5	64QAM	12	13	19.53	19.44	19.45				
5	64QAM	25	0	19.51	19.56	19.46				
5	16QAM	1	0	19.52	19.58	19.46	20.2	0		
5	256QAM	1	12	19.56	19.56	19.49				
5	256QAM	1	24	19.56	19.47	19.43				
5	256QAM	12	0	19.46	19.57	19.53	20.2	0		
5	256QAM	12	7	19.44	19.49	19.53				
5	256QAM	12	13	19.44	19.57	19.48				
5	256QAM	25	0	19.38	19.46	19.47	20.2	0		

Band 42 Ant4 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	18.07	18.34	18.14	18.7	0		
20	QPSK	1	49	18.15	18.26	18.04				
20	QPSK	1	99	18.15	18.18	18.02	18.7	0		
20	QPSK	50	0	18.15	18.30	18.13				
20	QPSK	50	24	18.15	18.29	18.13	18.7	0		
20	QPSK	50	50	18.12	18.25	18.02				
20	QPSK	100	0	18.08	18.23	18.06	18.7	0		
20	16QAM	1	0	18.06	18.19	18.13				
20	16QAM	1	49	18.07	18.24	18.06	18.7	0		
20	16QAM	1	99	18.08	18.18	18.05				
20	16QAM	50	0	18.05	18.30	18.06	18.7	0		
20	16QAM	50	24	18.12	18.30	18.13				
20	16QAM	50	50	18.12	18.21	18.06	18.7	0		
20	16QAM	100	0	18.11	18.21	18.04				
20	64QAM	1	0	18.11	18.22	18.12	18.7	0		
20	64QAM	1	49	18.09	18.25	18.07				
20	64QAM	1	99	18.05	18.21	18.13	18.7	0		
20	64QAM	50	0	18.15	18.22	18.04				
20	64QAM	50	24	18.07	18.18	18.09	18.7	0		
20	64QAM	50	50	18.12	18.27	18.03				
20	64QAM	100	0	18.09	18.24	18.05	18.7	0		
20	256QAM	1	0	18.11	18.23	18.12				
20	256QAM	1	49	18.06	18.30	18.11	18.7	0		
20	256QAM	1	99	18.07	18.24	18.10				
20	256QAM	50	0	18.12	18.21	18.06	18.7	0		
20	256QAM	50	24	18.08	18.23	18.11				
20	256QAM	50	50	18.07	18.21	18.13	18.7	0		
20	256QAM	100	0	18.13	18.22	18.10				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	17.98	18.28	18.11				
15	QPSK	1	37	18.10	18.22	17.99	18.7	0		
15	QPSK	1	74	18.08	18.13	17.98				
15	QPSK	36	0	18.07	18.21	18.10	18.7	0		
15	QPSK	36	20	18.13	18.25	18.03				
15	QPSK	36	39	18.05	18.18	17.99	18.7	0		
15	QPSK	75	0	18.04	18.15	18.01				
15	16QAM	1	0	17.99	18.15	18.08	18.7	0		
15	16QAM	1	37	18.02	18.17	17.98				
15	16QAM	1	74	18.00	18.11	18.00	18.7	0		
15	16QAM	36	0	17.96	18.26	18.01				
15	16QAM	36	20	18.05	18.22	18.06	18.7	0		
15	16QAM	36	39	18.08	18.14	17.99				
15	16QAM	75	0	18.01	18.18	17.96	18.7	0		
15	64QAM	1	0	18.09	18.12	18.10				
15	64QAM	1	37	18.06	18.19	18.00	18.7	0		
15	64QAM	1	74	18.03	18.14	18.11				
15	64QAM	36	0	18.11	18.14	18.01	18.7	0		
15	64QAM	36	20	18.04	18.11	18.05				
15	64QAM	36	39	18.08	18.22	17.98	18.7	0		
15	64QAM	75	0	18.01	18.15	17.97				
15	256QAM	1	0	18.06	18.15	18.03	18.7	0		
15	256QAM	1	37	18.03	18.22	18.06				
15	256QAM	1	74	18.04	18.20	18.07	18.7	0		
15	256QAM	36	0	18.03	18.19	17.97				
15	256QAM	36	20	18.05	18.13	18.07	18.7	0		
15	256QAM	36	39	18.01	18.17	18.05				
15	256QAM	75	0	18.07	18.13	18.05	18.7	0		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3453	3500	3545	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	18.03	18.31	18.12				
10	QPSK	1	25	18.12	18.18	17.98	18.7	0		
10	QPSK	1	49	18.07	18.08	17.98				
10	QPSK	25	0	18.07	18.22	18.09	18.7	0		
10	QPSK	25	12	18.13	18.25	18.07				
10	QPSK	25	25	18.06	18.22	17.97	18.7	0		
10	QPSK	50	0	18.02	18.19	17.97				
10	16QAM	1	0	17.98	18.12	18.03	18.7	0		
10	16QAM	1	25	18.04	18.20	17.96				
10	16QAM	1	49	17.98	18.09	17.99	18.7	0		
10	16QAM	25	0	17.98	18.24	18.00				
10	16QAM	25	12	18.09	18.22	18.07	18.7	0		
10	16QAM	25	25	18.07	18.16	18.04				
10	16QAM	50	0	18.01	18.15	17.96	18.7	0		
10	64QAM	1	0	18.05	18.19	18.09				
10	64QAM	1	25	18.05	18.17	18.01	18.7	0		
10	64QAM	1	49	18.03	18.15	18.03				
10	64QAM	25	0	18.06	18.16	18.00	18.7	0		
10	64QAM	25	12	18.04	18.12	18.01				
10	64QAM	25	25	18.08	18.19	17.99	18.7	0		
10	64QAM	50	0	18.00	18.21	18.02				
10	256QAM	1	0	18.08	18.15	18.07	18.7	0		
10	256QAM	1	25	17.99	18.23	18.04				
10	256QAM	1	49	17.99	18.18	18.07	18.7	0		
10	256QAM	25	0	18.07	18.12	17.96				
10	256QAM	25	12	18.01	18.19	18.07	18.7	0		
10	256QAM	25	25	18.03	18.17	18.09				
10	256QAM	50	0	18.09	18.18	18.08	18.7	0		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	18.01	18.27	18.05				
5	QPSK	1	12	18.09	18.22	17.99	18.7	0		
5	QPSK	1	24	18.10	18.09	17.98				
5	QPSK	12	0	18.11	18.21	18.10	18.7	0		
5	QPSK	12	7	18.07	18.26	18.04				
5	QPSK	12	13	18.04	18.16	17.92	18.7	0		
5	QPSK	25	0	18.03	18.20	18.02				
5	16QAM	1	0	18.02	18.10	18.11	18.7	0		
5	16QAM	1	12	18.05	18.19	17.99				
5	16QAM	1	24	18.06	18.11	18.02	18.7	0		
5	16QAM	12	0	18.00	18.27	18.04				
5	16QAM	12	7	18.07	18.25	18.05	18.7	0		
5	16QAM	12	13	18.05	18.18	17.98				
5	16QAM	25	0	18.03	18.13	17.97	18.7	0		
5	64QAM	1	0	18.06	18.19	18.10				
5	64QAM	1	12	18.04	18.16	18.02	18.7	0		
5	64QAM	1	24	17.99	18.18	18.10				
5	64QAM	12	0	18.12	18.13	18.00	18.7	0		
5	64QAM	12	7	17.99	18.15	18.04				
5	64QAM	12	13	18.06	18.22	17.98	18.7	0		
5	64QAM	25	0	18.03	18.22	18.06				
5	16QAM	1	0	18.02	18.16	18.06	18.7	0		
5	256QAM	1	12	17.97	18.21	18.03				
5	256QAM	1	24	18.01	18.16	18.03	18.7	0		
5	256QAM	12	0	18.09	18.17	17.97				
5	256QAM	12	7	18.05	18.16	18.03	18.7	0		
5	256QAM	12	13	18.02	18.12	18.02				
5	256QAM	25	0	18.08	18.18	18.08	18.7	0		

GSM1900 Antd	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	961	810		512	961	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	26.98	27.10	27.03	28.40	17.98	18.10	18.03	19.40
GPRS 1 Tx slot	26.94	27.07	27.03	28.40	17.94	18.07	18.03	19.40
GPRS 2 Tx slots	23.97	24.14	24.06	25.40	17.97	18.14	18.06	19.40
GPRS 3 Tx slots	22.26	22.34	22.21	23.60	18.00	18.09	17.95	19.34
GPRS 4 Tx slots	21.02	21.09	21.02	22.40	18.02	18.09	18.02	19.40
EDGE 1 Tx slot	25.31	25.36	25.30	23.70	18.31	18.36	18.30	14.70
EDGE 2 Tx slots	22.34	22.45	22.40	20.70	16.34	16.45	16.40	14.70
EDGE 3 Tx slots	20.44	20.59	20.53	18.90	16.18	16.33	16.27	14.64
EDGE 4 Tx slots	19.28	19.36	19.35	17.70	16.28	16.36	16.35	14.70

Band	WCDMA 11 Antd DS11			Tune-up Limit (dBm)	WCDMA 11 Antd DS11			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513	
Tx Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	15224	15100	15076		17124	17223	17223	
Frequency (MHz)	15224	15100	15076		17124	17223	17223	
3GPP Rel 99 AMR 12.2Kbps	16.53	16.54	16.50	16.20	17.44	17.43	17.37	16.70
3GPP Rel 99 RMC 12.2Kbps	17.01	17.02	16.89	18.20	17.48	17.53	17.47	16.70
3GPP Rel 6 HSOPA Subtest-1	15.94	15.85	15.87	17.20	16.53	16.48	16.30	17.70
3GPP Rel 6 HSOPA Subtest-2	15.90	16.10	15.92	17.20	16.47	16.52	16.33	17.70
3GPP Rel 6 HSOPA Subtest-3	15.52	15.46	15.35	16.70	15.89	16.02	15.85	17.20
3GPP Rel 6 HSOPA Subtest-4	15.54	15.44	15.33	16.70	16.01	16.03	15.86	17.20
3GPP Rel 6 DC-HSOPA Subtest-1	15.98	16.03	15.87	17.20	16.55	16.50	16.45	17.70
3GPP Rel 6 DC-HSOPA Subtest-2	15.96	15.97	15.90	17.20	16.55	16.58	16.37	17.70
3GPP Rel 6 DC-HSOPA Subtest-3	15.53	15.61	15.33	16.70	15.86	15.98	15.86	17.20
3GPP Rel 6 DC-HSOPA Subtest-4	15.46	15.61	15.43	16.70	15.90	16.03	15.86	17.20
3GPP Rel 6 HSUPA Subtest-1	15.93	16.04	15.94	17.20	16.51	16.56	16.30	17.70
3GPP Rel 6 HSUPA Subtest-2	14.00	14.10	13.89	15.20	14.47	14.46	14.37	15.70
3GPP Rel 6 HSUPA Subtest-3	14.90	15.07	14.91	15.20	15.40	15.42	15.31	16.70
3GPP Rel 6 HSUPA Subtest-4	13.92	14.00	13.86	15.20	14.59	14.46	14.46	15.70
3GPP Rel 6 HSUPA Subtest-5	15.92	15.91	15.89	17.20	16.50	16.44	16.35	17.70
3GPP Rel 7 HSPA+ (15.44M) Subtest-1	13.51	13.53	13.41	14.70	13.96	14.00	13.96	15.20

Band 2 Ant5 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.47	15.52	15.52						
20	QPSK	49	0	15.53	15.62	15.62	16.6	0				
20	QPSK	1	99	15.62	15.60	15.48						
20	QPSK	99	0	15.51	15.62	15.56						
20	QPSK	99	24	15.48	15.60	15.61						
20	QPSK	50	0	15.65	15.81	15.81	16.6	0				
20	QPSK	100	0	15.56	15.57	15.56						
20	HQAM	1	0	15.56	15.57	15.56						
20	HQAM	1	49	15.55	15.52	15.53	16.6	0				
20	HQAM	1	99	15.52	15.54	15.56						
20	HQAM	50	0	15.45	15.62	15.59						
20	HQAM	50	24	15.51	15.62	15.48	16.6	0				
20	HQAM	50	50	15.45	15.51	15.53						
20	HQAM	100	0	15.47	15.53	15.51						
20	HQAM	1	0	15.57	15.62	15.48						
20	HQAM	1	49	15.46	15.58	15.49	16.6	0				
20	HQAM	1	99	15.51	15.51	15.51						
20	HQAM	50	0	15.46	15.57	15.58						
20	HQAM	50	24	15.46	15.58	15.48	16.6	0				
20	HQAM	50	50	15.45	15.43	15.48						
20	HQAM	100	0	15.54	15.52	15.56						
20	HQAM	100	0	15.50	15.43	15.41						
20	25QAM	1	49	15.50	15.51	15.51	16.6	0				
20	25QAM	1	99	15.47	15.57	15.54						
20	25QAM	50	0	15.45	15.56	15.55						
20	25QAM	50	24	15.45	15.58	15.56	16.6	0				
20	25QAM	50	50	15.50	15.52	15.57						
20	25QAM	100	0	15.52	15.45	15.41						
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.37	15.38	15.41						
15	QPSK	1	37	15.43	15.56	15.46	16.6	0				
15	QPSK	1	74	15.43	15.63	15.43						
15	QPSK	36	0	15.44	15.42	15.51						
15	QPSK	36	36	15.40	15.49	15.41	16.6	0				
15	QPSK	36	36	15.46	15.48	15.47						
15	HQAM	75	0	15.43	15.52	15.46						
15	HQAM	1	0	15.44	15.45	15.46						
15	HQAM	1	37	15.49	15.42	15.41	16.6	0				
15	HQAM	1	49	15.45	15.45	15.45						
15	HQAM	36	0	15.34	15.54	15.40						
15	HQAM	36	36	15.42	15.46	15.32	16.6	0				
15	HQAM	36	36	15.43	15.43	15.43						
15	HQAM	75	0	15.42	15.42	15.38						
15	HQAM	1	0	15.46	15.54	15.38						
15	HQAM	1	37	15.43	15.45	15.41	16.6	0				
15	HQAM	1	74	15.45	15.46	15.45						
15	HQAM	36	0	15.37	15.53	15.50						
15	HQAM	36	36	15.41	15.52	15.41	16.6	0				
15	HQAM	36	36	15.38	15.54	15.34						
15	HQAM	75	0	15.45	15.43	15.47						
15	25QAM	1	0	15.45	15.45	15.45						
15	25QAM	1	37	15.34	15.51	15.35	16.6	0				
15	25QAM	1	74	15.40	15.50	15.41						
15	25QAM	36	0	15.41	15.47	15.47						
15	25QAM	36	36	15.35	15.44	15.33	16.6	0				
15	25QAM	36	36	15.40	15.45	15.44						
15	25QAM	75	0	15.39	15.45	15.41						
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.43	15.43	15.43						
10	QPSK	1	25	15.43	15.48	15.42	16.6	0				
10	QPSK	1	49	15.44	15.52	15.33						
10	QPSK	25	0	15.40	15.47	15.41						
10	QPSK	25	12	15.40	15.45	15.48	16.6	0				
10	QPSK	25	25	15.47	15.50	15.48						
10	HQAM	75	0	15.43	15.42	15.42						
10	HQAM	1	0	15.48	15.52	15.32						
10	HQAM	1	25	15.41	15.41	15.41	16.6	0				
10	HQAM	1	49	15.43	15.43	15.43						
10	HQAM	25	0	15.32	15.47	15.40						
10	HQAM	25	12	15.40	15.57	15.43	16.6	0				
10	HQAM	25	25	15.45	15.43	15.43						
10	HQAM	50	0	15.39	15.43	15.47						
10	HQAM	1	0	15.46	15.47	15.38						
10	HQAM	1	25	15.41	15.45	15.41	16.6	0				
10	HQAM	1	49	15.44	15.38	15.43						
10	HQAM	25	0	15.41	15.52	15.50						
10	HQAM	25	12	15.40	15.40	15.39	16.6	0				
10	HQAM	25	25	15.39	15.58	15.39						
10	HQAM	50	0	15.44	15.45	15.43						
10	25QAM	1	0	15.41	15.46	15.41						
10	25QAM	1	25	15.37	15.57	15.45	16.6	0				
10	25QAM	1	49	15.34	15.46	15.42						
10	25QAM	25	0	15.40	15.55	15.41						
10	25QAM	25	12	15.32	15.46	15.45	16.6	0				
10	25QAM	25	25	15.39	15.46	15.47						
10	25QAM	50	0	15.40	15.50	15.44						
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.33	15.41	15.41						
5	QPSK	1	12	15.38	15.55	15.51	16.6	0				
5	QPSK	1	24	15.41	15.45	15.33						
5	QPSK	12	0	15.40	15.47	15.41						
5	QPSK	12	7	15.37	15.53	15.47	16.6	0				
5	QPSK	12	13	15.44	15.46	15.42						
5	QPSK	24	0	15.42	15.44	15.44						
5	HQAM	1	0	15.43	15.50	15.36						
5	HQAM	1	12	15.45	15.38	15.45	16.6	0				
5	HQAM	1	24	15.45	15.44	15.41						
5	HQAM	12	0	15.41	15.50	15.42						
5	HQAM	12	7	15.43	15.53	15.40	16.6	0				
5	HQAM	12	13	15.40	15.39	15.41						
5	HQAM	25	0	15.38	15.47	15.35						
5	HQAM	1	0	15.53	15.57	15.36						
5	HQAM	1	12	15.39	15.45	15.38	16.6	0				
5	HQAM	1	24	15.45	15.43	15.42						
5	HQAM	12	0	15.34	15.42	15.46						
5	HQAM	12	7	15.38	15.50	15.35	16.6	0				
5	HQAM	12	13	15.29	15.51	15.41						
5	HQAM	25	0	15.30	15.47	15.40						
5	HQAM	25	0	15.42	15.40	15.39						
5	25QAM	1	12	15.44	15.54	15.36	16.6	0				
5	25QAM	1	24	15.34	15.49	15.41						
5	25QAM	12	0	15.42	15.57	15.41						
5	25QAM	12	7	15.39	15.47	15.44	16.6	0				
5	25QAM	12	13	15.45	15.46	15.46						
5	25QAM	25	0	15.39	15.43	15.44						
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.35	15.37	15.37						
3	QPSK	1	8	15.40	15.55	15.41	16.6	0				
3	QPSK	1	14	15.36	15.50	15.40						
3	QPSK	8	0	15.44	15.47	15.43						
3	QPSK	8	4	15.34	15.51	15.41	16.6	0				
3	QPSK	8	7	15.45	15.48	15.47						
3	HQAM	1	0	15.44	15.49	15.50						
3	HQAM	1	0	15.46	15.44	15.36	16.6	0				
3	HQAM	1	8	15.45	15.39	15.45						
3	HQAM	1	14	15.36	15.44	15.41						
3	HQAM	8	0	15.40	15.56	15.41	16.6	0				
3	HQAM	8	4	15.43	15.36	15.39						
3	HQAM	8	7	15.32	15.42	15.37						
3	HQAM	16	0	15.41	15.48	15.33						
3	HQAM	8	0	15.34	15.52	15.43	16.6	0				
3	HQAM	8	14	15.40	15.46	15.48						
3	HQAM	8	0	15.41	15.50	15.35						
3	HQAM	8	7	15.31	15.58	15.34	16.6	0				
3	25QAM	1	0	15.43	15.49	15.38						
3	25QAM	1	8	15.41	15.57	15.41	16.6	0				
3	25QAM	1	14	15.40	15.46	15.41						
3	25QAM	8	0	15.41	15.55	15.51						
3	25QAM	8	4	15.35	15.43	15.40	16.6	0				
3	25QAM	8	7	15.41	15.38	15.40						
3	25QAM	16	0	15.40	15.50	15.40						
Channel												
Frequency (MHz)												

Band 25 Ant5 DS11														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up (sec)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	15.56	15.68	15.65	16.7	0	17	0				
20	QPSK	1	49	15.55	15.58	15.61								
20	QPSK	1	99	15.46	15.54	15.61								
20	QPSK	50	0	15.52	15.62	15.61								
20	QPSK	50	24	15.55	15.54	15.58	16.7	0	17	0				
20	QPSK	50	50	15.50	15.55	15.53								
20	QPSK	100	0	15.49	15.55	15.51								
20	HQAM	1	0	15.55	15.61	15.55								
20	HQAM	1	49	15.49	15.61	15.54	16.7	0	17	0				
20	HQAM	1	99	15.48	15.59	15.52								
20	HQAM	50	0	15.49	15.61	15.57								
20	HQAM	50	24	15.56	15.55	15.51								
20	HQAM	50	50	15.51	15.61	15.52	16.7	0	17	0				
20	HQAM	100	0	15.51	15.63	15.53								
20	HQAM	1	0	15.57	15.54	15.63								
20	HQAM	1	49	15.57	15.57	15.52								
20	HQAM	1	99	15.47	15.63	15.57	16.7	0	17	0				
20	HQAM	50	0	15.55	15.57	15.59								
20	HQAM	50	24	15.52	15.57	15.51								
20	HQAM	50	50	15.54	15.60	15.60								
20	HQAM	100	0	15.52	15.63	15.54	16.7	0	17	0				
20	HQAM	1	0	15.49	15.54	15.51								
20	HQAM	1	49	15.52	15.64	15.54								
20	HQAM	1	99	15.56	15.61	15.57								
20	HQAM	50	24	15.55	15.60	15.58	16.7	0	17	0				
20	HQAM	50	50	15.52	15.65	15.54								
20	HQAM	100	0	15.49	15.61	15.57								
Channel														
Frequency (MHz)														
15	QPSK	1	0	15.42	15.54	15.40	16.7	0	17	0				
15	QPSK	1	37	15.48	15.47	15.55								
15	QPSK	1	74	15.35	15.40	15.48								
15	QPSK	36	0	15.42	15.50	15.45								
15	QPSK	36	20	15.49	15.42	15.40	16.7	0	17	0				
15	QPSK	36	36	15.42	15.42	15.47								
15	QPSK	75	0	15.44	15.43	15.42								
15	HQAM	1	0	15.51	15.55	15.40								
15	HQAM	1	37	15.43	15.51	15.47	16.7	0	17	0				
15	HQAM	1	74	15.49	15.59	15.45								
15	HQAM	36	0	15.40	15.48	15.44								
15	HQAM	36	20	15.47	15.47	15.40								
15	HQAM	36	36	15.39	15.49	15.45	16.7	0	17	0				
15	HQAM	75	0	15.37	15.59	15.44								
15	HQAM	1	0	15.45	15.42	15.58								
15	HQAM	1	37	15.50	15.44	15.50								
15	HQAM	1	74	15.34	15.53	15.44	16.7	0	17	0				
15	HQAM	36	0	15.46	15.51	15.48								
15	HQAM	36	20	15.43	15.52	15.44								
15	HQAM	36	36	15.39	15.48	15.55								
15	HQAM	75	0	15.47	15.51	15.48	16.7	0	17	0				
15	HQAM	1	0	15.43	15.48	15.52								
15	HQAM	1	37	15.40	15.48	15.57								
15	HQAM	1	74	15.48	15.59	15.47								
15	HQAM	36	0	15.43	15.56	15.47	16.7	0	17	0				
15	HQAM	36	20	15.40	15.55	15.49								
15	HQAM	36	36	15.45	15.50	15.40								
15	HQAM	75	0	15.37	15.51	15.43								
Channel														
Frequency (MHz)														
10	QPSK	1	0	15.11	15.20	15.15	16.7	0	17	0				
10	QPSK	1	25	15.49	15.48	15.51								
10	QPSK	1	49	15.36	15.47	15.54								
10	QPSK	25	0	15.39	15.50	15.41								
10	QPSK	25	12	15.45	15.43	15.42	16.7	0	17	0				
10	QPSK	25	25	15.40	15.43	15.49								
10	QPSK	50	0	15.43	15.49	15.42								
10	HQAM	1	0	15.44	15.47	15.49								
10	HQAM	1	25	15.41	15.49	15.39	16.7	0	17	0				
10	HQAM	1	49	15.34	15.49	15.47								
10	HQAM	25	0	15.38	15.50	15.47								
10	HQAM	25	12	15.43	15.41	15.40								
10	HQAM	25	25	15.36	15.51	15.46	16.7	0	17	0				
10	HQAM	50	0	15.37	15.51	15.50								
10	HQAM	1	0	15.45	15.39	15.52								
10	HQAM	1	25	15.41	15.50	15.43								
10	HQAM	1	49	15.40	15.50	15.45	16.7	0	17	0				
10	HQAM	25	0	15.47	15.53	15.47								
10	HQAM	25	12	15.47	15.46	15.36								
10	HQAM	25	25	15.42	15.51	15.50								
10	HQAM	50	0	15.39	15.48	15.46	16.7	0	17	0				
10	HQAM	1	0	15.44	15.48	15.45								
10	HQAM	1	25	15.45	15.47	15.47								
10	HQAM	1	49	15.38	15.56	15.40								
10	HQAM	25	0	15.38	15.50	15.49	16.7	0	17	0				
10	HQAM	25	12	15.44	15.55	15.49								
10	HQAM	25	25	15.42	15.55	15.42								
10	HQAM	50	0	15.40	15.55	15.54								
10	HQAM	25	25	15.43	15.52	15.41	16.7	0	17	0				
10	HQAM	50	0	15.42	15.50	15.41								
Channel														
Frequency (MHz)														
5	QPSK	1	0	15.02	15.04	15.01	16.7	0	17	0				
5	QPSK	1	12	15.40	15.52	15.55								
5	QPSK	1	24	15.40	15.44	15.54								
5	QPSK	12	0	15.37	15.49	15.45								
5	QPSK	12	7	15.48	15.39	15.40	16.7	0	17	0				
5	QPSK	12	13	15.44	15.40	15.44								
5	QPSK	25	0	15.37	15.44	15.38								
5	HQAM	1	0	15.48	15.48	15.43								
5	HQAM	1	12	15.39	15.53	15.49	16.7	0	17	0				
5	HQAM	1	24	15.34	15.54	15.39								
5	HQAM	12	0	15.35	15.55	15.48								
5	HQAM	12	7	15.49	15.43	15.42								
5	HQAM	12	13	15.33	15.50	15.37	16.7	0	17	0				
5	HQAM	25	0	15.46	15.50	15.47								
5	HQAM	1	0	15.43	15.47	15.53								
5	HQAM	1	12	15.45	15.48	15.49								
5	HQAM	1	24	15.38	15.52	15.49	16.7	0	17	0				
5	HQAM	12	0	15.43	15.53	15.46								
5	HQAM	12	7	15.48	15.43	15.47								
5	HQAM	12	13	15.50	15.49	15.46								
5	HQAM	25	0	15.40	15.51	15.44	16.7	0	17	0				
5	HQAM	1	0	15.34	15.42	15.48								

Band 38 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.09	20.21	20.04	21	0	
20	QPSK	1	49	20.09	20.12	20.10			
20	QPSK	1	99	20.10	20.10	20.06			
20	QPSK	50	0	20.10	20.19	20.04	21	0	
20	QPSK	50	24	20.08	20.12	20.08			
20	QPSK	50	50	20.05	20.18	20.04			
20	QPSK	100	0	20.13	20.15	20.06	21	0	
20	16QAM	1	0	20.13	20.10	20.08			
20	16QAM	1	49	20.15	20.12	20.05			
20	16QAM	1	99	20.07	20.17	20.07	21	0	
20	16QAM	50	0	20.12	20.11	20.08			
20	16QAM	50	24	20.06	20.10	20.07			
20	16QAM	50	50	20.14	20.18	20.08	21	0	
20	16QAM	100	0	20.10	20.11	20.09			
20	64QAM	1	0	20.11	20.11	20.07			
20	64QAM	1	49	20.11	20.00	20.05	21	0	
20	64QAM	1	99	20.04	20.17	20.02			
20	64QAM	50	0	20.11	20.14	20.11			
20	64QAM	50	24	20.11	20.13	20.10	21	0	
20	64QAM	50	50	20.05	20.13	20.05			
20	64QAM	100	0	20.10	20.09	20.04			
20	256QAM	1	0	19.53	19.69	19.53	20.5	0.5	
20	256QAM	1	49	19.55	19.68	19.58			
20	256QAM	1	99	19.58	19.67	19.60			
20	256QAM	50	0	19.56	19.68	19.53	20.5	0.5	
20	256QAM	50	24	19.56	19.66	19.51			
20	256QAM	50	50	19.62	19.70	19.51			
20	256QAM	100	0	19.55	19.61	19.55			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.99	20.04	19.98	21	0	
15	QPSK	1	37	19.94	20.02	19.96			
15	QPSK	1	74	19.96	19.97	19.98			
15	QPSK	36	0	19.99	20.01	19.99	21	0	
15	QPSK	36	20	20.01	20.00	20.00			
15	QPSK	36	39	19.99	20.05	19.95			
15	QPSK	75	0	20.04	19.96	19.99	21	0	
15	16QAM	1	0	20.01	20.02	19.94			
15	16QAM	1	37	20.03	20.02	19.99			
15	16QAM	1	74	19.95	20.11	20.00	21	0	
15	16QAM	36	0	19.97	20.02	20.01			
15	16QAM	36	20	20.00	19.94	19.96			
15	16QAM	36	39	20.10	20.05	19.92	21	0	
15	16QAM	75	0	20.04	20.05	19.97			
15	64QAM	1	0	19.95	20.10	19.98			
15	64QAM	1	37	19.99	20.14	19.95	21	0	
15	64QAM	1	74	19.98	20.06	19.96			
15	64QAM	36	0	20.01	20.06	19.96			
15	64QAM	36	20	20.05	19.97	20.06	21	0	
15	64QAM	36	39	19.94	20.03	19.94			
15	64QAM	75	0	20.00	19.99	19.99			
15	256QAM	1	0	19.38	19.60	19.38	20.5	0.5	
15	256QAM	1	37	19.50	19.59	19.46			
15	256QAM	1	74	19.47	19.58	19.48			
15	256QAM	36	0	19.41	19.53	19.36	20.5	0.5	
15	256QAM	36	20	19.51	19.53	19.36			
15	256QAM	36	39	19.57	19.59	19.39			
15	256QAM	75	0	19.50	19.54	19.50			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.97	20.08	19.95	21	0	
10	QPSK	1	25	19.95	19.98	20.02			
10	QPSK	1	49	19.95	20.01	19.92			
10	QPSK	25	0	20.05	20.03	19.94	21	0	
10	QPSK	25	12	19.98	20.03	19.94			
10	QPSK	25	25	19.90	20.04	19.90			
10	QPSK	50	0	20.03	19.98	20.00	21	0	
10	16QAM	1	0	20.08	19.97	20.01			
10	16QAM	1	25	20.09	20.05	19.97			
10	16QAM	1	49	19.95	20.09	20.02	21	0	
10	16QAM	25	0	19.97	20.05	20.02			
10	16QAM	25	12	19.95	19.95	19.92			
10	16QAM	25	25	19.98	20.09	19.92	21	0	
10	16QAM	50	0	20.01	19.99	20.02			
10	64QAM	1	0	20.04	20.11	20.02			
10	64QAM	1	25	20.06	20.05	19.97	21	0	
10	64QAM	1	49	19.97	20.04	19.87			
10	64QAM	25	0	20.07	19.99	20.04			
10	64QAM	25	12	20.04	20.02	19.96	21	0	
10	64QAM	25	25	19.95	20.02	19.94			
10	64QAM	50	0	19.98	20.00	19.98			
10	256QAM	1	0	19.42	19.58	19.40	20.5	0.5	
10	256QAM	1	25	19.51	19.60	19.46			
10	256QAM	1	49	19.54	19.60	19.53			
10	256QAM	25	0	19.43	19.55	19.48	20.5	0.5	
10	256QAM	25	12	19.52	19.50	19.43			
10	256QAM	25	25	19.58	19.56	19.38			
10	256QAM	50	0	19.40	19.57	19.48			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.03	20.05	19.99	21	0	
5	QPSK	1	12	19.95	19.98	19.97			
5	QPSK	1	24	20.01	19.96	19.93			
5	QPSK	12	0	20.00	20.04	20.00	21	0	
5	QPSK	12	7	20.03	19.97	19.95			
5	QPSK	12	13	19.88	20.06	20.00			
5	QPSK	25	0	20.03	20.04	19.91	21	0	
5	16QAM	1	0	20.01	20.01	19.99			
5	16QAM	1	12	20.07	20.06	19.96			
5	16QAM	1	24	19.95	20.12	19.91	21	0	
5	16QAM	12	0	20.00	19.95	19.94			
5	16QAM	12	7	19.96	20.04	19.93			
5	16QAM	12	13	20.00	20.04	20.01	21	0	
5	16QAM	25	0	20.00	20.05	20.00			
5	64QAM	1	0	20.04	20.11	19.98			
5	64QAM	1	12	19.99	20.07	19.99	21	0	
5	64QAM	1	24	19.98	20.09	19.94			
5	64QAM	12	0	20.02	20.06	19.98			
5	64QAM	12	7	20.03	20.02	20.05	21	0	
5	64QAM	12	13	19.99	20.02	19.93			
5	64QAM	25	0	20.03	19.99	19.93			
5	256QAM	1	0	19.38	19.61	19.38	20.5	0.5	
5	256QAM	1	12	19.49	19.60	19.47			
5	256QAM	1	24	19.48	19.52	19.55			
5	256QAM	12	0	19.42	19.59	19.42	20.5	0.5	
5	256QAM	12	7	19.41	19.57	19.39			
5	256QAM	12	13	19.55	19.66	19.36			
5	256QAM	25	0	19.46	19.54	19.40			

Band 42 Ant5 DS11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	19.15	19.39	19.26	20	0		
20	QPSK	1	49	19.21	19.25	19.22				
20	QPSK	1	99	19.24	19.34	19.27				
20	QPSK	50	0	19.26	19.29	19.22				
20	QPSK	50	24	19.25	19.27	19.22	20	0		
20	QPSK	50	50	19.19	19.28	19.24				
20	QPSK	100	0	19.19	19.34	19.27				
20	16QAM	1	0	19.26	19.30	19.27				
20	16QAM	1	49	19.24	19.33	19.20	20	0		
20	16QAM	1	99	19.26	19.28	19.31				
20	16QAM	50	0	19.26	19.35	19.25				
20	16QAM	50	24	19.27	19.30	19.25				
20	16QAM	50	50	19.23	19.31	19.19	20	0		
20	16QAM	100	0	19.17	19.27	19.29				
20	64QAM	1	0	19.26	19.34	19.31				
20	64QAM	1	49	19.18	19.35	19.23				
20	64QAM	1	99	19.21	19.31	19.21	20	0		
20	64QAM	50	0	19.17	19.29	19.26				
20	64QAM	50	24	19.24	19.28	19.24				
20	64QAM	50	50	19.20	19.35	19.24				
20	64QAM	100	0	19.21	19.35	19.30	20	0		
20	256QAM	1	0	19.25	19.28	19.28				
20	256QAM	1	49	19.17	19.30	19.21				
20	256QAM	1	99	19.18	19.35	19.21				
20	256QAM	50	0	19.24	19.29	19.24	20	0		
20	256QAM	50	24	19.19	19.29	19.29				
20	256QAM	50	50	19.27	19.24	19.30				
20	256QAM	100	0	19.22	19.27	19.30				
Channel				42165	42590	43015	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	19.07	19.23	19.19	20	0		
15	QPSK	1	37	19.14	19.11	19.14				
15	QPSK	1	74	19.10	19.22	19.12				
15	QPSK	36	0	19.21	19.16	19.11				
15	QPSK	36	20	19.21	19.15	19.08	20	0		
15	QPSK	36	39	19.10	19.20	19.16				
15	QPSK	75	0	19.04	19.28	19.12				
15	16QAM	1	0	19.12	19.25	19.15				
15	16QAM	1	37	19.19	19.27	19.15	20	0		
15	16QAM	1	74	19.17	19.19	19.16				
15	16QAM	36	0	19.10	19.20	19.08				
15	16QAM	36	20	19.16	19.22	19.15				
15	16QAM	36	39	19.16	19.24	19.14	20	0		
15	16QAM	75	0	19.10	19.13	19.16				
15	64QAM	1	0	19.19	19.28	19.17				
15	64QAM	1	37	19.08	19.23	19.11				
15	64QAM	1	74	19.11	19.27	19.09	20	0		
15	64QAM	36	0	19.12	19.14	19.15				
15	64QAM	36	20	19.19	19.22	19.09				
15	64QAM	36	39	19.07	19.27	19.13				
15	64QAM	75	0	19.06	19.22	19.20	20	0		
15	256QAM	1	0	19.14	19.13	19.17				
15	256QAM	1	37	19.02	19.22	19.15				
15	256QAM	1	74	19.11	19.26	19.15				
15	256QAM	36	0	19.10	19.25	19.10	20	0		
15	256QAM	36	20	19.14	19.16	19.24				
15	256QAM	36	39	19.16	19.20	19.17				
15	256QAM	75	0	19.17	19.19	19.18				
Channel				42140	42590	43040	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3453	3500	3545				
10	QPSK	1	0	19.09	19.21	19.14	20	0		
10	QPSK	1	25	19.07	19.18	19.12				
10	QPSK	1	49	19.15	19.19	19.15				
10	QPSK	25	0	19.17	19.21	19.10				
10	QPSK	25	12	19.19	19.14	19.17	20	0		
10	QPSK	25	25	19.08	19.23	19.18				
10	QPSK	50	0	19.05	19.29	19.11				
10	16QAM	1	0	19.10	19.25	19.19				
10	16QAM	1	25	19.14	19.25	19.08	20	0		
10	16QAM	1	49	19.11	19.20	19.23				
10	16QAM	25	0	19.22	19.29	19.12				
10	16QAM	25	12	19.13	19.19	19.10				
10	16QAM	25	25	19.08	19.18	19.10	20	0		
10	16QAM	50	0	19.11	19.12	19.21				
10	64QAM	1	0	19.20	19.22	19.24				
10	64QAM	1	25	19.10	19.26	19.14				
10	64QAM	1	49	19.13	19.24	19.07	20	0		
10	64QAM	25	0	19.06	19.25	19.12				
10	64QAM	25	12	19.18	19.17	19.12				
10	64QAM	25	25	19.13	19.30	19.10				
10	64QAM	50	0	19.08	19.31	19.16	20	0		
10	256QAM	1	0	19.11	19.15	19.22				
10	256QAM	1	25	19.13	19.15	19.16				
10	256QAM	1	49	19.07	19.25	19.07				
10	256QAM	25	0	19.14	19.25	19.13	20	0		
10	256QAM	25	12	19.06	19.24	19.20				
10	256QAM	25	25	19.12	19.19	19.15				
10	256QAM	50	0	19.13	19.22	19.21				
Channel				42115	42590	43065	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	19.05	19.26	19.20	20	0		
5	QPSK	1	12	19.08	19.16	19.15				
5	QPSK	1	24	19.18	19.25	19.19				
5	QPSK	12	0	19.21	19.23	19.16				
5	QPSK	12	7	19.12	19.16	19.15	20	0		
5	QPSK	12	13	19.10	19.16	19.16				
5	QPSK	25	0	19.05	19.25	19.15				
5	16QAM	1	0	19.14	19.20	19.22				
5	16QAM	1	12	19.16	19.19	19.11	20	0		
5	16QAM	1	24	19.17	19.26	19.21				
5	16QAM	12	0	19.20	19.24	19.12				
5	16QAM	12	7	19.17	19.26	19.11				
5	16QAM	12	13	19.11	19.24	19.08	20	0		
5	16QAM	25	0	19.05	19.22	19.20				
5	64QAM	1	0	19.15	19.19	19.16				
5	64QAM	1	12	19.11	19.27	19.15				
5	64QAM	1	24	19.06	19.21	19.15	20	0		
5	64QAM	12	0	19.05	19.16	19.17				
5	64QAM	12	7	19.12	19.20	19.13				
5	64QAM	12	13	19.13	19.21	19.20	20	0		
5	64QAM	25	0	19.13	19.24	19.17				
5	256QAM	1	0	19.09	19.12	19.17				
5	256QAM	1	12	19.04	19.20	19.13				
5	256QAM	1	24	19.04	19.28	19.08	20	0		
5	256QAM	12	0	19.11	19.23	19.16				
5	256QAM	12	7	19.07	19.21	19.17				
5	256QAM	12	13	19.16	19.16	19.26				
5	256QAM	25	0	19.08	19.22	19.23				

Band 4 Other PA Ant6 DS11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.17	15.41	15.24						
20	QPSK	1	49	15.24	15.31	15.19	15.5	0				
20	QPSK	1	99	15.17	15.33	15.25						
20	QPSK	50	0	15.18	15.35	15.27						
20	QPSK	50	24	15.23	15.31	15.21	15.5	0				
20	QPSK	50	50	15.17	15.34	15.25						
20	QPSK	100	0	15.24	15.38	15.16						
20	HQAM	1	0	15.18	15.34	15.25						
20	HQAM	1	49	15.23	15.37	15.23	15.5	0				
20	HQAM	1	99	15.18	15.29	15.21						
20	HQAM	50	0	15.20	15.33	15.20						
20	HQAM	50	24	15.16	15.38	15.17	15.5	0				
20	HQAM	50	50	15.19	15.36	15.21						
20	HQAM	100	0	15.16	15.38	15.15						
20	HQAM	1	49	15.26	15.31	15.26	15.5	0				
20	HQAM	1	99	15.24	15.29	15.21						
20	HQAM	50	0	15.19	15.33	15.26						
20	HQAM	50	24	15.19	15.33	15.26	15.5	0				
20	HQAM	50	50	15.23	15.37	15.21						
20	HQAM	100	0	15.16	15.38	15.15						
20	256QAM	1	0	15.19	15.33	15.16						
20	256QAM	1	49	15.19	15.39	15.16	15.5	0				
20	256QAM	1	99	15.22	15.38	15.23						
20	256QAM	50	0	15.26	15.35	15.19						
20	256QAM	50	24	15.17	15.34	15.26	15.5	0				
20	256QAM	50	50	15.25	15.34	15.27						
20	256QAM	100	0	15.24	15.37	15.18						
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.12	15.31	15.18						
15	QPSK	1	37	15.18	15.22	15.58	15.5	0				
15	QPSK	1	74	15.07	15.18	15.07						
15	QPSK	36	0	15.09	15.28	15.11						
15	QPSK	36	20	15.18	15.25	15.58	15.5	0				
15	QPSK	36	36	15.04	15.28	15.15						
15	QPSK	75	0	15.17	15.27	15.09						
15	HQAM	1	0	15.04	15.22	15.19						
15	HQAM	1	37	15.07	15.28	15.15	15.5	0				
15	HQAM	1	74	15.08	15.19	15.08						
15	HQAM	36	0	15.15	15.21	15.14						
15	HQAM	36	20	15.07	15.21	15.57	15.5	0				
15	HQAM	36	36	15.02	15.33	15.10						
15	HQAM	75	0	15.03	15.28	15.16						
15	HQAM	75	0	15.03	15.28	15.16						
15	HQAM	75	0	15.03	15.28	15.16	15.5	0				
15	HQAM	1	37	15.12	15.25	15.13						
15	HQAM	1	74	15.11	15.15	15.12						
15	HQAM	36	0	15.11	15.18	15.12						
15	HQAM	36	20	15.13	15.25	15.12	15.5	0				
15	HQAM	36	36	15.15	15.25	15.13						
15	HQAM	75	0	15.05	15.32	15.13						
15	HQAM	75	0	15.05	15.32	15.13	15.5	0				
15	HQAM	75	0	15.05	15.32	15.13						
15	HQAM	1	0	15.15	15.18	15.09						
15	HQAM	1	37	15.15	15.23	15.12	15.5	0				
15	HQAM	1	74	15.11	15.25	15.12						
15	HQAM	36	0	15.10	15.20	15.10						
15	HQAM	36	20	15.08	15.29	15.17	15.5	0				
15	HQAM	36	36	15.15	15.20	15.17						
15	HQAM	75	0	15.15	15.20	15.17						
15	HQAM	75	0	15.13	15.22	15.08						
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.05	15.32	15.16						
10	QPSK	1	25	15.10	15.18	15.12	15.5	0				
10	QPSK	1	49	15.03	15.27	15.08						
10	QPSK	25	0	15.07	15.21	15.06						
10	QPSK	25	12	15.08	15.17	15.06	15.5	0				
10	QPSK	25	25	15.04	15.28	15.13						
10	QPSK	50	0	15.16	15.28	15.16						
10	HQAM	1	0	15.11	15.24	15.15						
10	HQAM	1	25	15.06	15.28	15.14	15.5	0				
10	HQAM	1	49	15.03	15.17	15.16						
10	HQAM	25	0	15.15	15.27	15.07						
10	HQAM	25	12	15.07	15.26	15.14	15.5	0				
10	HQAM	25	25	15.11	15.31	15.08						
10	HQAM	50	0	15.05	15.29	15.15						
10	HQAM	50	0	15.02	15.32	15.10						
10	HQAM	1	25	15.10	15.26	15.14	15.5	0				
10	HQAM	1	49	15.11	15.26	15.15						
10	HQAM	25	0	15.13	15.17	15.20						
10	HQAM	25	12	15.11	15.18	15.20	15.5	0				
10	HQAM	25	25	15.10	15.28	15.15						
10	HQAM	50	0	15.11	15.26	15.07						
10	HQAM	50	0	15.11	15.26	15.07	15.5	0				
10	HQAM	50	0	15.10	15.22	15.06						
10	256QAM	1	0	15.09	15.27	15.09						
10	256QAM	1	49	15.07	15.30	15.10	15.5	0				
10	256QAM	1	99	15.07	15.30	15.10						
10	256QAM	25	0	15.13	15.23	15.04						
10	256QAM	25	12	15.04	15.26	15.12	15.5	0				
10	256QAM	25	25	15.12	15.29	15.10						
10	256QAM	50	0	15.11	15.32	15.05						
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.11	15.31	15.13						
5	QPSK	1	12	15.13	15.18	15.06	15.5	0				
5	QPSK	1	24	15.13	15.26	15.15						
5	QPSK	12	0	15.14	15.27	15.10						
5	QPSK	12	7	15.19	15.27	15.06	15.5	0				
5	QPSK	12	13	15.12	15.25	15.14						
5	QPSK	25	0	15.12	15.28	15.05						
5	QPSK	25	7	15.05	15.29	15.15	15.5	0				
5	HQAM	1	0	15.08	15.32	15.15						
5	HQAM	1	12	15.08	15.15	15.14						
5	HQAM	1	24	15.13	15.25	15.08	15.5	0				
5	HQAM	12	7	15.09	15.26	15.20						
5	HQAM	12	13	15.01	15.24	15.10						
5	HQAM	25	0	15.05	15.33	15.13						
5	HQAM	25	7	15.08	15.33	15.13	15.5	0				
5	HQAM	1	12	15.13	15.18	15.21						
5	HQAM	1	24	15.16	15.30	15.17	15.5	0				
5	HQAM	12	0	15.10	15.19	15.21						
5	HQAM	12	7	15.06	15.27	15.12	15.5	0				
5	HQAM	12	13	15.12	15.28	15.15						
5	HQAM	25	0	15.03	15.26	15.05						
5	256QAM	1	0	15.09	15.27	15.02						
5	256QAM	1	12	15.06	15.30	15.09	15.5	0				
5	256QAM	1	24	15.06	15.30	15.09						
5	256QAM	12	0	15.20	15.22	15.02						
5	256QAM	12	7	15.01	15.29	15.14	15.5	0				
5	256QAM	12	13	15.11	15.24	15.06						
5	256QAM	25	0	15.16	15.27	15.03						
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.06	15.33	15.13						
3	QPSK	1	5	15.10	15.31	15.07	15.5	0				
3	QPSK	1	14	15.11	15.19	15.05						
3	QPSK	8	0	15.08	15.26	15.07						
3	QPSK	8	5	15.15	15.35	15.06	15.5	0				
3	QPSK	8	7	15.08	15.25	15.20						
3	QPSK	15	0	15.20	15.27	15.05						
3	HQAM	1	0	15.12	15.34	15.15						
3	HQAM	1	8	15.11	15.25	15.12	15.5	0				
3	HQAM	1	14	15.02	15.14	15.11						
3	HQAM	8	0	15.12	15.17	15.11						
3	HQAM	8	4	15.17	15.26	15.13	15.5	0				
3	HQAM	8	7	15.08	15.31	15.04						
3	HQAM	15	0	15.04	15.36	15.15						
3	HQAM	1	0	15.03	15.33	15.18						
3	HQAM	1	8	15.16	15.24	15.22	15.5	0				
3	HQAM	1	14	15.16	15.24	15.15						
3	HQAM	8	0	15.08	15.24	15.						

Band 38 Other PA Ant6 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	17.37	17.55	17.34	18.4	0			
20	QPSK	1	49	17.47	17.41	17.43					
20	QPSK	1	99	17.44	17.45	17.45					
20	QPSK	50	0	17.42	17.49	17.43	18.4	0			
20	QPSK	50	24	17.35	17.48	17.36					
20	QPSK	50	50	17.43	17.46	17.35					
20	QPSK	100	0	17.36	17.42	17.41	18.4	0			
20	16QAM	1	0	17.43	17.42	17.43					
20	16QAM	1	49	17.44	17.46	17.36					
20	16QAM	1	99	17.44	17.48	17.37	18.4	0			
20	16QAM	50	0	17.41	17.45	17.38					
20	16QAM	50	24	17.40	17.39	17.39					
20	16QAM	50	50	17.46	17.48	17.42	18.4	0			
20	16QAM	100	0	17.40	17.43	17.37					
20	64QAM	1	0	17.43	17.40	17.42					
20	64QAM	1	49	17.42	17.49	17.45	18.4	0			
20	64QAM	1	99	17.36	17.49	17.38					
20	64QAM	50	0	17.39	17.39	17.40					
20	64QAM	50	24	17.36	17.40	17.34	18.4	0			
20	64QAM	50	50	17.38	17.44	17.34					
20	64QAM	100	0	17.36	17.41	17.35					
20	256QAM	1	0	17.43	17.42	17.36	18.4	0			
20	256QAM	1	49	17.43	17.47	17.33					
20	256QAM	1	99	17.46	17.38	17.36					
20	256QAM	50	0	17.47	17.44	17.40	18.4	0			
20	256QAM	50	24	17.45	17.45	17.33					
20	256QAM	50	50	17.45	17.41	17.36					
20	256QAM	100	0	17.45	17.46	17.45	18.4	0			
Channel				37625	38000	38175					
Frequency (MHz)				25775	2595	2612.5	Tune-up limit (dBm)				MPR (dB)
15	QPSK	1	0	17.33	17.32	17.28	18.4	0			
15	QPSK	1	37	17.36	17.32	17.28					
15	QPSK	1	74	17.36	17.31	17.37					
15	QPSK	36	0	17.31	17.35	17.36	18.4	0			
15	QPSK	36	20	17.28	17.43	17.30					
15	QPSK	36	39	17.31	17.39	17.25					
15	QPSK	75	0	17.31	17.30	17.27	18.4	0			
15	16QAM	1	0	17.28	17.30	17.33					
15	16QAM	1	37	17.34	17.35	17.31					
15	16QAM	1	74	17.37	17.43	17.29	18.4	0			
15	16QAM	36	0	17.34	17.40	17.24					
15	16QAM	36	20	17.33	17.32	17.33					
15	16QAM	36	39	17.38	17.43	17.38	18.4	0			
15	16QAM	75	0	17.30	17.34	17.21					
15	64QAM	1	0	17.36	17.29	17.30					
15	64QAM	1	37	17.32	17.43	17.31	18.4	0			
15	64QAM	1	74	17.27	17.36	17.24					
15	64QAM	36	0	17.34	17.35	17.28					
15	64QAM	36	20	17.25	17.35	17.22	18.4	0			
15	64QAM	36	39	17.33	17.34	17.25					
15	64QAM	75	0	17.30	17.33	17.31					
15	256QAM	1	0	17.27	17.33	17.32	18.4	0			
15	256QAM	1	37	17.33	17.32	17.20					
15	256QAM	1	74	17.31	17.28	17.29					
15	256QAM	36	0	17.36	17.35	17.28	18.4	0			
15	256QAM	36	20	17.35	17.37	17.21					
15	256QAM	36	39	17.32	17.29	17.25					
15	256QAM	75	0	17.36	17.40	17.40	18.4	0			
Channel				37600	38000	38200					
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)				MPR (dB)
10	QPSK	1	0	17.21	17.36	17.28	18.4	0			
10	QPSK	1	25	17.42	17.36	17.29					
10	QPSK	1	49	17.30	17.37	17.35					
10	QPSK	25	0	17.29	17.35	17.30	18.4	0			
10	QPSK	25	12	17.19	17.32	17.24					
10	QPSK	25	25	17.37	17.34	17.31					
10	QPSK	50	0	17.30	17.26	17.33	18.4	0			
10	16QAM	1	0	17.34	17.29	17.32					
10	16QAM	1	25	17.32	17.35	17.29					
10	16QAM	1	49	17.29	17.37	17.29	18.4	0			
10	16QAM	25	0	17.30	17.41	17.33					
10	16QAM	25	12	17.34	17.31	17.25					
10	16QAM	25	25	17.32	17.42	17.37	18.4	0			
10	16QAM	50	0	17.34	17.39	17.25					
10	64QAM	1	0	17.29	17.26	17.30					
10	64QAM	1	25	17.37	17.42	17.32	18.4	0			
10	64QAM	1	49	17.25	17.40	17.29					
10	64QAM	25	0	17.35	17.31	17.28					
10	64QAM	25	12	17.27	17.30	17.29	18.4	0			
10	64QAM	25	25	17.34	17.39	17.29					
10	64QAM	50	0	17.25	17.28	17.23					
10	256QAM	1	0	17.38	17.28	17.29	18.4	0			
10	256QAM	1	25	17.29	17.35	17.25					
10	256QAM	1	49	17.38	17.32	17.32					
10	256QAM	25	0	17.34	17.28	17.25	18.4	0			
10	256QAM	25	12	17.33	17.31	17.24					
10	256QAM	25	25	17.35	17.35	17.21					
10	256QAM	50	0	17.34	17.38	17.30	18.4	0			
Channel				37775	38000	38225					
Frequency (MHz)				25725	2595	2617.5	Tune-up limit (dBm)				MPR (dB)
5	QPSK	1	0	17.23	17.38	17.25	18.4	0			
5	QPSK	1	12	17.37	17.32	17.39					
5	QPSK	1	24	17.36	17.40	17.32					
5	QPSK	12	0	17.28	17.35	17.37	18.4	0			
5	QPSK	12	7	17.30	17.42	17.27					
5	QPSK	12	13	17.31	17.40	17.26					
5	QPSK	25	0	17.30	17.34	17.28	18.4	0			
5	16QAM	1	0	17.35	17.31	17.35					
5	16QAM	1	12	17.32	17.34	17.24					
5	16QAM	1	24	17.40	17.33	17.32	18.4	0			
5	16QAM	12	0	17.26	17.39	17.23					
5	16QAM	12	7	17.28	17.27	17.23					
5	16QAM	12	13	17.40	17.41	17.29	18.4	0			
5	16QAM	25	0	17.26	17.34	17.29					
5	64QAM	1	0	17.28	17.33	17.36					
5	64QAM	1	12	17.37	17.38	17.40	18.4	0			
5	64QAM	1	24	17.29	17.38	17.25					
5	64QAM	12	0	17.29	17.28	17.24	18.4	0			
5	64QAM	12	7	17.30	17.31	17.22					
5	64QAM	12	13	17.24	17.34	17.21					
5	64QAM	25	0	17.24	17.31	17.27	18.4	0			
5	256QAM	1	0	17.34	17.38	17.32					
5	256QAM	1	12	17.39	17.40	17.18					
5	256QAM	1	24	17.39	17.24	17.21	18.4	0			
5	256QAM	12	0	17.41	17.38	17.29					
5	256QAM	12	7	17.39	17.30	17.28					
5	256QAM	12	13	17.36	17.34	17.24	18.4	0			
5	256QAM	25	0	17.31	17.29	17.33					

Band 42 Ant8 DSI1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				42190	42590	42990					
Frequency (MHz)				3460	3500	3540					
20	QPSK	1	0	17.60	17.66	17.47	18.6	0			
20	QPSK	1	49	17.51	17.64	17.49					
20	QPSK	1	99	17.58	17.56	17.51					
20	QPSK	50	0	17.56	17.55	17.45	18.6	0			
20	QPSK	50	24	17.58	17.60	17.50					
20	QPSK	50	50	17.59	17.58	17.42					
20	QPSK	100	0	17.51	17.54	17.51	18.6	0			
20	16QAM	1	0	17.50	17.61	17.52					
20	16QAM	1	49	17.60	17.62	17.52					
20	16QAM	1	99	17.56	17.55	17.52	18.6	0			
20	16QAM	50	0	17.58	17.53	17.45					
20	16QAM	50	24	17.60	17.64	17.51					
20	16QAM	50	50	17.58	17.64	17.53	18.6	0			
20	16QAM	100	0	17.51	17.62	17.42					
20	64QAM	1	0	17.58	17.61	17.48					
20	64QAM	1	49	17.57	17.58	17.50	18.6	0			
20	64QAM	1	99	17.55	17.61	17.48					
20	64QAM	50	0	17.54	17.59	17.49					
20	64QAM	50	24	17.54	17.57	17.49	18.6	0			
20	64QAM	50	50	17.57	17.61	17.44					
20	64QAM	100	0	17.59	17.59	17.49					
20	256QAM	1	0	16.01	16.12	15.99	17.1	1.5			
20	256QAM	1	49	16.10	16.12	15.93					
20	256QAM	1	99	16.03	16.08	16.01					
20	256QAM	50	0	16.00	16.06	15.95	17.1	1.5			
20	256QAM	50	24	16.02	16.13	16.00					
20	256QAM	50	50	15.99	16.12	15.98					
20	256QAM	100	0	16.03	16.03	15.95	17.1	1.5			
Channel				42165	42590	43015					
Frequency (MHz)				3457.5	3500	3542.5			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.45	17.42	17.33	18.6	0			
15	QPSK	1	37	17.39	17.51	17.36					
15	QPSK	1	74	17.50	17.52	17.41					
15	QPSK	36	0	17.50	17.55	17.32	18.6	0			
15	QPSK	36	20	17.46	17.45	17.45					
15	QPSK	36	39	17.47	17.42	17.36					
15	QPSK	75	0	17.46	17.48	17.36	18.6	0			
15	16QAM	1	0	17.43	17.45	17.41					
15	16QAM	1	37	17.53	17.50	17.44					
15	16QAM	1	74	17.46	17.50	17.46	18.6	0			
15	16QAM	36	0	17.42	17.40	17.38					
15	16QAM	36	20	17.51	17.54	17.46					
15	16QAM	36	39	17.47	17.52	17.42	18.6	0			
15	16QAM	75	0	17.43	17.54	17.27					
15	64QAM	1	0	17.52	17.55	17.34					
15	64QAM	1	74	17.41	17.53	17.38	18.6	0			
15	64QAM	36	0	17.42	17.49	17.33					
15	64QAM	36	20	17.41	17.44	17.36					
15	64QAM	36	39	17.47	17.50	17.38	18.6	0			
15	64QAM	75	0	17.52	17.55	17.34					
15	256QAM	1	0	15.86	16.00	15.86					
15	256QAM	1	37	16.05	15.99	15.92	17.1	1.5			
15	256QAM	1	74	15.93	16.02	15.92					
15	256QAM	36	0	15.88	16.01	15.83					
15	256QAM	36	20	15.91	15.97	15.84	17.1	1.5			
15	256QAM	36	39	15.87	16.04	15.87					
15	256QAM	75	0	15.93	15.92	15.87					
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3455	3500	3545					
10	QPSK	1	0	17.45	17.47	17.36	18.6	0			
10	QPSK	1	25	17.38	17.55	17.45					
10	QPSK	1	49	17.48	17.44	17.37					
10	QPSK	25	0	17.40	17.59	17.29	18.6	0			
10	QPSK	25	12	17.44	17.47	17.39					
10	QPSK	25	25	17.47	17.50	17.37					
10	QPSK	50	0	17.38	17.46	17.36	18.6	0			
10	16QAM	1	0	17.42	17.51	17.39					
10	16QAM	1	25	17.53	17.47	17.37					
10	16QAM	1	49	17.48	17.46	17.41	18.6	0			
10	16QAM	25	0	17.43	17.44	17.30					
10	16QAM	25	12	17.46	17.58	17.43					
10	16QAM	25	25	17.51	17.49	17.39	18.6	0			
10	16QAM	50	0	17.37	17.52	17.27					
10	64QAM	1	0	17.44	17.56	17.41					
10	64QAM	1	25	17.50	17.47	17.41	18.6	0			
10	64QAM	1	49	17.51	17.47	17.40					
10	64QAM	25	0	17.44	17.54	17.42					
10	64QAM	25	12	17.39	17.50	17.40	18.6	0			
10	64QAM	25	25	17.45	17.55	17.40					
10	64QAM	50	0	17.50	17.48	17.34					
10	256QAM	1	0	15.89	16.02	15.87	17.1	1.5			
10	256QAM	1	25	16.01	16.05	15.83					
10	256QAM	1	49	15.90	15.93	15.87					
10	256QAM	25	0	15.91	15.98	15.80	17.1	1.5			
10	256QAM	25	12	15.92	16.06	15.94					
10	256QAM	25	25	15.85	16.08	15.84					
10	256QAM	50	0	15.89	15.95	15.80	17.1	1.5			
Channel				42115	42590	43065			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5					
5	QPSK	1	0	17.48	17.42	17.32	18.6	0			
5	QPSK	1	12	17.46	17.54	17.34					
5	QPSK	1	24	17.51	17.46	17.45					
5	QPSK	12	0	17.50	17.55	17.33	18.6	0			
5	QPSK	12	7	17.50	17.47	17.45					
5	QPSK	12	13	17.50	17.52	17.27					
5	QPSK	25	0	17.36	17.49	17.39	18.6	0			
5	16QAM	1	0	17.36	17.48	17.45					
5	16QAM	1	12	17.51	17.58	17.38					
5	16QAM	1	24	17.51	17.44	17.45	18.6	0			
5	16QAM	12	0	17.46	17.39	17.40					
5	16QAM	12	7	17.45	17.54	17.36					
5	16QAM	12	13	17.42	17.55	17.43	18.6	0			
5	16QAM	25	0	17.41	17.57	17.41					
5	64QAM	1	0	17.53	17.49	17.34					
5	64QAM	1	12	17.41	17.47	17.42	18.6	0			
5	64QAM	1	24	17.50	17.50	17.38					
5	64QAM	12	0	17.41	17.52	17.41					
5	64QAM	12	7	17.43	17.46	17.34	18.6	0			
5	64QAM	12	13	17.42	17.49	17.40					
5	64QAM	25	0	17.53	17.49	17.43					
5	256QAM	1	0	15.91	16.03	15.92	17.1	1.5			
5	256QAM	1	12	16.02	16.00	15.78					
5	256QAM	1	24	15.89	15.94	15.91					
5	256QAM	12	0	15.93	16.00	15.84	17.1	1.5			
5	256QAM	12	7	15.95	15.99	15.93					
5	256QAM	12	13	15.91	16.03	15.93					
5	256QAM	25	0	15.94	15.94	15.88	17.1	1.5			

Band 42 Ant9 DSI1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel				42190	42590	42990							
Frequency (MHz)				3460	3500	3540							
20	QPSK	1	0	24.31	24.39	24.35	25.5	0	24.4	0			
20	QPSK	1	49	24.26	24.34	24.22							
20	QPSK	1	99	24.25	24.30	24.31							
20	QPSK	50	0	23.37	23.41	23.37	24.5	1	23.4	1			
20	QPSK	50	24	23.31	23.29	23.26							
20	QPSK	50	50	23.30	23.35	23.34							
20	QPSK	100	0	23.28	23.37	23.41	24.5	1	23.4	1			
20	16QAM	1	0	23.28	23.34	23.34							
20	16QAM	1	49	23.20	23.38	23.18							
20	16QAM	1	99	23.30	23.26	23.35	23.5	2	22.4	2			
20	16QAM	50	0	22.40	22.41	22.41							
20	16QAM	50	24	22.35	22.30	22.28							
20	16QAM	50	50	22.28	22.33	22.30	23.5	2	22.4	2			
20	16QAM	100	0	22.30	22.34	22.39							
20	64QAM	1	0	22.22	22.40	22.34							
20	64QAM	1	49	22.18	22.35	22.22	22.5	3	21.4	3			
20	64QAM	1	99	22.31	22.21	22.31							
20	64QAM	50	0	21.31	21.44	21.39							
20	64QAM	50	24	21.34	21.27	21.29	20.5	5	19.4	5			
20	64QAM	50	50	21.32	21.33	21.34							
20	64QAM	100	0	21.29	21.42	21.39							
20	256QAM	1	0	19.42	19.42	19.39	20.5	5	19.4	5			
20	256QAM	1	49	19.30	19.25	19.29							
20	256QAM	1	99	19.34	19.37	19.35							
20	256QAM	50	0	19.27	19.32	19.43							
20	256QAM	50	24	19.27	19.34	19.30	20.5	5	19.4		5		
20	256QAM	50	50	19.14	19.39	19.23							
20	256QAM	100	0	19.28	19.28	19.36							
Channel				42165	42590	43015	Tune-up limit (dBm)			MPR (dB)			
Frequency (MHz)				3457.5	3500	3542.5							
15	QPSK	1	0	24.27	24.33	24.21	25.5	0	24.4	0			
15	QPSK	1	37	24.20	24.25	24.10							
15	QPSK	1	74	24.11	24.26	24.17							
15	QPSK	36	0	23.24	23.38	23.33	24.5	1	23.4	1			
15	QPSK	36	20	23.23	23.18	23.15							
15	QPSK	36	39	23.20	23.31	23.22							
15	QPSK	75	0	23.17	23.33	23.32	24.5	1	23.4	1			
15	16QAM	1	0	23.25	23.22	23.20							
15	16QAM	1	37	23.09	23.25	23.10							
15	16QAM	1	74	23.18	23.21	23.31	23.5	2	22.4	2			
15	16QAM	36	0	22.33	22.35	22.29							
15	16QAM	36	20	22.26	22.18	22.15							
15	16QAM	36	39	22.19	22.21	22.23	23.5	2	22.4	2			
15	16QAM	75	0	22.21	22.24	22.26							
15	64QAM	1	0	22.08	22.34	22.25							
15	64QAM	1	37	22.13	22.27	22.19	22.5	3	21.4	3			
15	64QAM	1	74	22.20	22.19	22.26							
15	64QAM	36	0	21.22	21.40	21.31							
15	64QAM	36	20	21.24	21.21	21.18	20.5	5	19.4	5			
15	64QAM	36	39	21.29	21.25	21.26							
15	64QAM	75	0	21.15	21.29	21.35							
15	256QAM	1	0	19.39	19.37	19.31	20.5	5	19.4	5			
15	256QAM	1	37	19.27	19.20	19.23							
15	256QAM	1	74	19.22	19.35	19.24							
15	256QAM	36	0	19.23	19.23	19.31	20.5	5	19.4	5			
15	256QAM	36	20	19.25	19.21	19.21							
15	256QAM	36	39	19.02	19.34	19.20							
15	256QAM	75	0	19.18	19.16	19.27							
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3455	3500	3545							
10	QPSK	1	0	24.17	24.36	24.30	25.5	0	24.4	0			
10	QPSK	1	25	24.20	24.23	24.16							
10	QPSK	1	49	24.21	24.21	24.17							
10	QPSK	25	0	23.25	23.28	23.33	24.5	1	23.4	1			
10	QPSK	25	12	23.23	23.25	23.17							
10	QPSK	25	25	23.22	23.24	23.22							
10	QPSK	50	0	23.18	23.27	23.28	24.5	1	23.4	1			
10	16QAM	1	0	23.16	23.22	23.28							
10	16QAM	1	25	23.06	23.29	23.15							
10	16QAM	1	49	23.26	23.21	23.28	23.5	2	22.4	2			
10	16QAM	25	0	22.37	22.30	22.27							
10	16QAM	25	12	22.26	22.24	22.16							
10	16QAM	25	25	22.23	22.22	22.26	23.5	2	22.4	2			
10	16QAM	50	0	22.17	22.29	22.29							
10	64QAM	1	0	22.14	22.28	22.27							
10	64QAM	1	25	22.10	22.28	22.09	23.5	2	22.4	2			
10	64QAM	1	49	22.24	22.14	22.28							
10	64QAM	25	0	21.28	21.39	21.32							
10	64QAM	25	12	21.26	21.24	21.17	22.5	3	21.4	3			
10	64QAM	25	25	21.27	21.26	21.21							
10	64QAM	50	0	21.23	21.34	21.25							
10	256QAM	1	0	19.35	19.35	19.27	20.5	5	19.4	5			
10	256QAM	1	25	19.16	19.18	19.20							
10	256QAM	1	49	19.26	19.32	19.25							
10	256QAM	25	0	19.21	19.24	19.33	20.5	5	19.4	5			
10	256QAM	25	12	19.15	19.21	19.26							
10	256QAM	25	25	19.00	19.31	19.13							
10	256QAM	50	0	19.15	19.15	19.33							
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				3452.5	3500	3547.5							
5	QPSK	1	0	24.20	24.27	24.25	25.5	0	24.4	0			
5	QPSK	1	12	24.13	24.24	24.15							
5	QPSK	1	24	24.17	24.21	24.25							
5	QPSK	12	0	23.27	23.37	23.34	24.5	1	23.4	1			
5	QPSK	12	7	23.23	23.17	23.14							
5	QPSK	12	13	23.20	23.22	23.25							
5	QPSK	25	0	23.19	23.32	23.28	24.5	1	23.4	1			
5	16QAM	1	0	23.22	23.28	23.26							
5	16QAM	1	12	23.12	23.33	23.14							
5	16QAM	1	24	23.16	23.14	23.32	23.5	2	22.4	2			
5	16QAM	12	0	22.28	22.37	22.21							
5	16QAM	12	7	22.24	22.26	22.24							
5	16QAM	12	13	22.17	22.22	22.24	23.5	2	22.4	2			
5	16QAM	25	0	22.27	22.31	22.34							
5	64QAM	1	0	22.13	22.29	22.30							
5	64QAM	1	12	22.05	22.30	22.19	23.5	2	22.4	2			
5	64QAM	1	24	22.25	22.17	22.24							
5	64QAM	12	0	21.25	21.35	21.27	22.5	3	21.4	3			
5	64QAM	12	7	21.24	21.20	21.18							
5	64QAM	12	13	21.20	21.20	21.31							
5	64QAM	25	0	21.26	21.35	21.32	20.5	5	19.4	5			
5	64QAM	25	0	21.23	19.40	19.36							
5	256QAM	1	12	19.18	19.14	19.16	20.5	5	19.4	5			
5	256QAM	1	24	19.26	19.26	19.32							
5	256QAM	12	0	19.21	19.23	19.37							
5	256QAM	12	7	19.14	19.23	19.17	20.5	5	19.4	5			
5	256QAM	12	13	19.03	19.26	19.28							
5	256QAM	25	0	19.15	19.16	19.28							

Reduced Power Mode for DSI3

GSM850 Anti DSI3				Frame-Average Power (dBm)			
Burst Average Power (dBm)				Tune-up			
TX Channel				Limit			
Frequency (MHz)				(dBm)			
	128	189	251	128	189	251	Limit
GSM 1 Tx slot	32.12	32.15	32.11	33.00	23.12	23.15	23.11
GPRS 1 Tx slot	32.02	32.06	32.01	33.00	23.02	23.06	23.01
GPRS 2 Tx slots	28.91	28.93	28.90	30.00	22.91	22.93	22.90
GPRS 3 Tx slots	27.25	27.30	27.22	28.20	22.89	23.04	22.88
GPRS 4 Tx slots	26.09	26.11	26.05	27.00	23.09	23.11	23.05
EDGE 1 Tx slot	28.00	28.05	28.02	28.00	17.00	17.05	17.02
EDGE 2 Tx slots	23.96	24.03	23.95	25.00	17.98	18.03	17.95
EDGE 3 Tx slots	21.89	22.06	22.01	23.20	17.73	17.89	17.75
EDGE 4 Tx slots	21.15	21.27	21.21	22.00	18.15	18.27	18.21

Band				WCDMA V And DSI3			
TX Channel				Tune-up			
Rx Channel				Limit			
Frequency (MHz)				(dBm)			
	4132	4192	4233				
	4357	4407	4458				
	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	24.10	24.28	24.13	25.00		
3GPP Rel 99	RMC 12.2Kbps	24.26	24.35	24.22	25.00		
3GPP Rel 6	HSDPA Subtest-1	23.26	23.33	23.18	24.00		
3GPP Rel 6	HSDPA Subtest-2	23.24	23.35	23.23	24.00		
3GPP Rel 6	HSDPA Subtest-3	22.74	22.89	22.77	23.50		
3GPP Rel 6	HSDPA Subtest-4	22.78	22.80	22.68	23.50		
3GPP Rel 8	DCHSDPA Subtest-1	23.20	23.35	23.22	24.00		
3GPP Rel 8	DCHSDPA Subtest-2	23.29	23.39	23.22	24.00		
3GPP Rel 8	DCHSDPA Subtest-3	22.75	22.90	22.68	23.50		
3GPP Rel 8	DCHSDPA Subtest-4	22.78	22.86	22.67	23.50		
3GPP Rel 6	HSUPA Subtest-1	23.29	23.40	23.22	24.00		
3GPP Rel 6	HSUPA Subtest-2	21.23	21.26	21.28	22.00		
3GPP Rel 6	HSUPA Subtest-3	22.20	22.41	22.17	23.00		
3GPP Rel 6	HSUPA Subtest-4	21.26	21.32	21.22	22.00		
3GPP Rel 6	HSUPA Subtest-5	23.22	23.32	23.25	24.00		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.81	20.88	20.74	21.50		

Band 5 Ant0 DS3i									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.		Power High Ch./Freq.		Tune-up limit (dBm)	MPR (dB)
				20450	20525	20500	20600		
Channel									
Frequency (MHz)									
10	QPSK	1	0	25.18	25.21	25.18	25.18	25.7	0
10	QPSK	1	25	25.20	25.17	25.17	25.07		
10	QPSK	1	49	25.19	25.16	25.07	25.07		
10	QPSK	25	0	24.16	24.13	24.22	24.22		
10	QPSK	25	12	24.19	24.13	24.13	24.08	24.7	1
10	QPSK	25	25	24.14	24.19	24.11	24.11		
10	QPSK	50	0	24.16	24.25	24.16	24.16		
10	16QAM	1	0	24.11	24.14	24.21	24.21		
10	16QAM	1	25	24.13	24.10	24.06	24.06	24.7	1
10	16QAM	1	49	24.13	24.14	24.14	24.07		
10	16QAM	25	0	23.18	23.22	23.28	23.28		
10	16QAM	25	12	23.19	23.08	23.03	23.03		
10	16QAM	25	25	23.13	23.20	23.20	23.15	23.7	2
10	16QAM	50	0	23.12	23.27	23.24	23.24		
10	64QAM	1	0	23.14	23.20	23.21	23.11		
10	64QAM	1	25	23.14	23.07	23.02	23.02		
10	64QAM	1	49	23.13	23.15	23.03	23.03	22.7	3
10	64QAM	25	0	22.13	23.21	22.16	22.16		
10	64QAM	25	12	22.17	22.17	22.14	22.14		
10	64QAM	25	25	22.11	22.21	22.08	22.08		
10	64QAM	50	0	22.20	22.21	22.13	22.13	20.7	5
10	256QAM	1	0	20.19	20.20	20.25	20.25		
10	256QAM	1	25	20.15	20.10	20.11	20.11		
10	256QAM	1	49	20.12	20.12	20.17	20.17		
10	256QAM	25	0	20.14	20.30	20.16	20.16	20.7	5
10	256QAM	25	12	20.05	20.17	20.23	20.23		
10	256QAM	25	25	20.16	20.13	20.10	20.10		
10	256QAM	50	0	20.18	20.19	20.02	20.02		
Channel									
Frequency (MHz)									
5	QPSK	1	0	25.05	25.10	25.07	25.07	25.7	0
5	QPSK	1	12	25.06	25.14	24.97	24.97		
5	QPSK	1	24	25.13	25.07	24.96	24.96		
5	QPSK	12	0	24.07	24.12	24.03	24.03		
5	QPSK	12	7	24.06	24.01	24.05	24.05	24.7	1
5	QPSK	12	13	24.08	24.12	24.05	24.05		
5	QPSK	25	0	24.10	24.20	24.15	24.15		
5	16QAM	1	0	23.99	24.04	24.15	24.15		
5	16QAM	1	12	24.05	24.02	23.94	23.94	24.7	1
5	16QAM	1	24	24.01	24.06	23.95	23.95		
5	16QAM	12	0	23.05	23.14	23.18	23.18		
5	16QAM	12	7	23.10	23.07	23.05	23.05		
5	16QAM	12	13	23.09	23.10	23.10	23.10	23.7	2
5	16QAM	25	0	23.08	23.23	23.22	23.22		
5	64QAM	1	0	23.00	23.09	23.12	23.12		
5	64QAM	1	12	23.11	22.97	22.96	22.96		
5	64QAM	1	24	23.08	23.03	22.98	22.98	23.7	2
5	64QAM	12	0	22.03	22.12	22.11	22.11		
5	64QAM	12	7	22.09	22.14	22.12	22.12		
5	64QAM	12	13	22.00	22.18	21.96	21.96		
5	64QAM	25	0	22.07	22.08	22.06	22.06	22.7	3
5	256QAM	1	0	20.16	20	20.02	20.02		
5	256QAM	1	12	20.09	20.03	20.05	20.05		
5	256QAM	1	24	20.00	20.19	20.02	20.02		
5	256QAM	12	0	20.04	20.17	20.25	20.25	20.7	5
5	256QAM	12	7	20.01	20.13	20.19	20.19		
5	256QAM	12	13	20.04	20.00	20.06	20.06		
5	256QAM	25	0	20.07	20.06	19.99	19.99		
Channel									
Frequency (MHz)									
3	QPSK	1	0	25.14	25.09	25.10	25.10	25.7	0
3	QPSK	1	8	25.14	25.15	24.95	24.95		
3	QPSK	1	14	25.05	25.05	24.96	24.96		
3	QPSK	8	0	24.05	24.20	24.16	24.16		
3	QPSK	8	7	24.06	24.09	24.05	24.05	24.7	1
3	QPSK	8	7	24.04	24.11	24.01	24.01		
3	QPSK	15	0	24.11	24.17	24.16	24.16		
3	16QAM	1	0	24.02	24.11	24.15	24.15		
3	16QAM	1	8	24.09	24.05	23.94	23.94	24.7	1
3	16QAM	1	14	24.04	24.10	23.99	23.99		
3	16QAM	8	0	23.08	23.13	23.13	23.13		
3	16QAM	8	4	23.11	23.03	22.93	22.93		
3	16QAM	8	7	23.03	23.08	23.03	23.03	23.7	2
3	16QAM	15	0	23.00	23.24	23.21	23.21		
3	64QAM	1	0	23.02	23.17	23.10	23.10		
3	64QAM	1	8	23.08	23.08	22.99	22.99		
3	64QAM	1	14	23.01	23.10	22.96	22.96	23.7	2
3	64QAM	8	0	22.05	22.08	22.09	22.09		
3	64QAM	8	4	22.05	22.09	22.07	22.07		
3	64QAM	8	7	22.01	22.16	21.99	21.99		
3	64QAM	15	0	22.10	22.09	22.01	22.01	22.7	3
3	256QAM	1	0	20.07	20.06	19.99	19.99		
3	256QAM	1	8	20.01	20.05	19.99	19.99		
3	256QAM	1	14	20.09	20.07	20.03	20.03		
3	256QAM	8	0	20.12	20.18	20.21	20.21	20.7	5
3	256QAM	8	4	19.99	20.13	20.23	20.23		
3	256QAM	8	7	20.06	20.01	20.01	20.01		
3	256QAM	15	0	20.15	20.08	19.99	19.99		
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	25.10	25.11	25.14	25.14	25.7	0
1.4	QPSK	1	3	25.12	25.05	25.03	25.03		
1.4	QPSK	1	5	25.08	25.03	25.05	25.05		
1.4	QPSK	3	0	25.09	25.09	25.07	25.07		
1.4	QPSK	3	1	25.06	25.03	24.94	24.94	24.7	1
1.4	QPSK	3	3	24.96	24.90	24.87	24.87		
1.4	QPSK	6	0	24.10	24.16	24.14	24.14		
1.4	16QAM	1	0	24.03	24.06	24.08	24.08		
1.4	16QAM	1	3	24.05	24.02	23.93	23.93	24.7	1
1.4	16QAM	1	5	24.00	24.07	24.02	24.02		
1.4	16QAM	3	0	24.02	24.13	24.06	24.06		
1.4	16QAM	3	1	23.90	23.94	24.01	24.01		
1.4	16QAM	3	3	23.93	23.90	23.86	23.86	23.7	2
1.4	16QAM	6	0	23.04	23.16	23.16	23.16		
1.4	64QAM	1	0	23.06	23.11	23.16	23.16		
1.4	64QAM	1	3	23.02	23.09	23.07	23.07		
1.4	64QAM	1	5	23.05	23.07	23.00	23.00	23.7	2
1.4	64QAM	3	0	22.98	23.03	23.06	23.06		
1.4	64QAM	3	1	22.98	23.05	23.06	23.06		
1.4	64QAM	3	3	22.94	22.97	22.83	22.83		
1.4	256QAM	1	0	22.12	22.12	20.16	20.16	22.7	3
1.4	256QAM	1	3	20.01	20.03	20.06	20.06		
1.4	256QAM	1	5	19.99	20.18	20.12	20.12		
1.4	256QAM	3	0	20.01	20.20	20.02	20.02		
1.4	256QAM	3	1	19.99	20.04	20.21	20.21	20.7	5
1.4	256QAM	3	3	20.00	20.00	20.00	20.00		
1.4	256QAM	6	0	20.06	20.13	19.99	19.99		
1.4	256QAM	6	3	20.00	20.00	20.00	20.00		

Band 12 AnT0 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Mid Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dbm)	MPR (dB)	
Channel				23006	23005	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.72	24.78	24.73	25.5	0	
10	QPSK	1	25	24.63	24.73	24.80			
10	QPSK	1	49	24.60	24.89	24.71			
10	QPSK	25	0	23.66	23.82	23.68	24.5	1	
10	QPSK	25	25	23.62	23.74	23.66			
10	QPSK	50	0	23.71	23.75	23.75			
10	16QAM	1	0	23.75	23.73	23.72	24.5	1	
10	16QAM	1	25	23.65	23.71	23.64			
10	16QAM	1	49	23.61	23.72	23.71			
10	16QAM	25	0	22.64	22.85	22.71	23.5	2	
10	16QAM	25	12	22.68	22.70	22.51			
10	16QAM	25	25	22.65	22.64	22.64			
10	16QAM	50	0	22.67	22.81	22.57	23.5	2	
10	64QAM	1	0	22.70	22.79	22.75			
10	64QAM	1	25	22.63	22.76	22.69			
10	64QAM	1	49	22.65	22.75	22.70	22.5	3	
10	64QAM	25	0	21.61	21.76	21.71			
10	64QAM	25	12	21.72	21.72	21.59			
10	64QAM	25	25	21.59	21.79	21.70	20.5	5	
10	64QAM	50	0	21.67	21.78	21.65			
10	256QAM	1	0	19.87	19.87	19.74			
10	256QAM	1	25	19.74	19.73	19.61	20.5	5	
10	256QAM	1	49	19.63	19.76	19.67			
10	256QAM	25	0	19.77	19.85	19.75			
10	256QAM	25	12	19.78	19.74	19.77	20.5	5	
10	256QAM	25	25	19.66	19.68	19.66			
10	256QAM	50	0	19.62	19.68	19.77			
Channel				23005	23006	23130	Time-up limit (dbm)	MPR (dB)	
Frequency (MHz)				707.5	707.5	713.5			
5	QPSK	1	0	24.63	24.65	24.69	25.5	0	
5	QPSK	1	12	24.58	24.69	24.53			
5	QPSK	1	24	24.55	24.61	24.68			
5	QPSK	12	0	23.57	23.74	23.57	24.5	1	
5	QPSK	12	7	23.60	23.68	23.51			
5	QPSK	12	13	23.62	23.69	23.65			
5	QPSK	25	0	23.65	23.71	23.61	24.5	1	
5	16QAM	1	0	23.62	23.60	23.62			
5	16QAM	1	12	23.53	23.68	23.52			
5	16QAM	1	24	23.51	23.64	23.58	23.5	2	
5	16QAM	12	0	22.56	22.73	22.67			
5	16QAM	12	7	22.66	22.72	22.47			
5	16QAM	12	13	22.54	22.62	22.54	20.5	5	
5	16QAM	25	0	22.56	22.73	22.61			
5	64QAM	1	0	22.64	22.71	22.69			
5	64QAM	1	12	22.50	22.74	22.62	23.5	2	
5	64QAM	1	24	22.65	22.72	22.60			
5	64QAM	12	0	21.48	21.78	21.66			
5	64QAM	12	7	21.60	21.62	21.51	22.5	3	
5	64QAM	12	13	21.48	21.62	21.53			
5	64QAM	25	0	21.65	21.73	21.65			
5	256QAM	1	0	19.54	19.78	19.61	20.5	5	
5	256QAM	1	12	19.68	19.77	19.68			
5	256QAM	1	24	19.56	19.66	19.55			
5	256QAM	12	0	19.74	19.78	19.62	20.5	5	
5	256QAM	12	7	19.69	19.63	19.65			
5	256QAM	12	13	19.60	19.56	19.72			
5	256QAM	25	0	19.51	19.62	19.73	20.5	5	
5	256QAM	25	12	19.62	19.57	19.73			
5	256QAM	25	25	19.53	19.59	19.73			
Channel				23005	23006	23130	Time-up limit (dbm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.66	24.74	24.69	25.5	0	
3	QPSK	1	8	24.55	24.62	24.49			
3	QPSK	1	14	24.56	24.64	24.64			
3	QPSK	8	0	23.63	23.72	23.61	24.5	1	
3	QPSK	8	4	23.59	23.68	23.44			
3	QPSK	8	7	23.52	23.70	23.58			
3	QPSK	15	0	23.59	23.69	23.65	24.5	1	
3	16QAM	1	0	23.63	23.62	23.59			
3	16QAM	1	8	23.52	23.57	23.56			
3	16QAM	1	14	23.48	23.61	23.64	23.5	2	
3	16QAM	8	0	22.57	22.67	22.57			
3	16QAM	8	4	22.61	22.66	22.45			
3	16QAM	8	7	22.44	22.66	22.60	23.5	2	
3	16QAM	15	0	22.65	22.69	22.62			
3	64QAM	1	0	22.59	22.68	22.68			
3	64QAM	1	8	22.61	22.67	22.65	23.5	2	
3	64QAM	1	14	22.57	22.67	22.59			
3	64QAM	8	0	21.57	21.74	21.59			
3	64QAM	8	4	21.60	21.66	21.47	22.5	3	
3	64QAM	8	7	21.47	21.73	21.41			
3	64QAM	15	0	21.54	21.66	21.71			
3	256QAM	1	0	19.61	19.76	19.70	20.5	5	
3	256QAM	1	8	19.64	19.70	19.53			
3	256QAM	1	14	19.58	19.61	19.61			
3	256QAM	8	0	19.73	19.81	19.64	20.5	5	
3	256QAM	8	4	19.64	19.60	19.65			
3	256QAM	8	7	19.68	19.62	19.65			
3	256QAM	15	0	19.57	19.61	19.69	20.5	5	
3	256QAM	15	8	19.61	19.59	19.69			
3	256QAM	15	14	19.54	19.60	19.69			
Channel				23017	23005	23173	Time-up limit (dbm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.66	24.74	24.61	25.5	0	
1.4	QPSK	1	3	24.63	24.64	24.49			
1.4	QPSK	1	5	24.57	24.64	24.59			
1.4	QPSK	3	0	24.57	24.71	24.55	24.5	1	
1.4	QPSK	3	1	24.57	24.57	24.39			
1.4	QPSK	3	3	24.54	24.54	24.48			
1.4	QPSK	6	0	23.86	23.72	23.70	23.5	2	
1.4	16QAM	1	0	23.66	23.80	23.64			
1.4	16QAM	3	3	23.63	23.62	23.55			
1.4	16QAM	1	5	23.56	23.67	23.60	24.5	1	
1.4	16QAM	3	0	23.54	23.64	23.65			
1.4	16QAM	3	1	23.57	23.54	23.59			
1.4	16QAM	3	3	23.54	23.51	23.49	23.5	2	
1.4	16QAM	6	0	22.56	22.69	22.62			
1.4	16QAM	6	0	22.64	22.72	22.62			
1.4	16QAM	3	5	22.40	22.47	22.70	22.5	3	
1.4	64QAM	1	5	22.63	22.69	22.62			
1.4	64QAM	3	0	22.43	22.63	22.49			
1.4	64QAM	3	1	22.52	22.70	22.56	20.5	5	
1.4	64QAM	3	3	22.39	22.61	22.60			
1.4	64QAM	6	0	21.61	21.68	21.73			
1.4	256QAM	1	0	19.64	19.80	19.69	20.5	5	
1.4	256QAM	1	3	19.63	19.67	19.49			
1.4	256QAM	1	5	19.53	19.70	19.59			
1.4	256QAM	3	0	19.68	19.71	19.68	20.5	5	
1.4	256QAM	3	1	19.65	19.68	19.73			
1.4	256QAM	3	3	19.64	19.65	19.60			
1.4	256QAM	6	0	19.59	19.58	19.70	20.5	5	
1.4	256QAM	6	0	19.59	19.58	19.70			
1.4	256QAM	6	0	19.59	19.58	19.70			

Band 13 Ant0 DS13							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Mid Ch./ Freq.	Power High Ch./ Freq.	
Channel				23230			
Frequency (MHz)				762			
10	QPSK	1	0	25.14			25.7
10	QPSK	1	25	25.10			
10	QPSK	1	49	25.07			
10	QPSK	25	0	24.10			
10	QPSK	25	12	24.08			24.7
10	QPSK	25	25	24.09			
10	QPSK	50	0	24.48			
10	16QAM	1	0	24.05			
10	16QAM	1	25	24.03			24.7
10	16QAM	1	49	24.00			
10	16QAM	25	0	23.06			
10	16QAM	25	12	23.07			
10	16QAM	25	25	23.13			23.7
10	16QAM	50	0	23.07			
10	64QAM	1	0	23.02			
10	64QAM	1	25	22.98			
10	64QAM	1	49	22.97			23.7
10	64QAM	25	0	22.10			
10	64QAM	25	12	22.08			
10	64QAM	25	25	22.05			
10	64QAM	50	0	22.09			22.7
10	256QAM	1	0	20.05			
10	256QAM	1	25	20.04			
10	256QAM	1	49	20.11			
10	256QAM	25	0	20.08			
10	256QAM	25	12	20.05			20.7
10	256QAM	25	25	19.98			
10	256QAM	50	0	19.96			
Channel				23235	23230	23255	
Frequency (MHz)				779.5	762	784.5	
5	QPSK	1	0	25.08	25.11	25.06	25.7
5	QPSK	1	12	25.07	25.02	25.02	
5	QPSK	1	24	24.99	24.97	25.02	
5	QPSK	12	0	23.98	24.02	24.07	
5	QPSK	12	7	23.97	23.99	24.01	24.7
5	QPSK	12	13	24.05	24.02	24.01	
5	QPSK	25	0	24.01	24.02	24.05	
5	16QAM	1	0	24.03	24.05	23.96	
5	16QAM	1	12	23.97	23.93	24.02	24.7
5	16QAM	1	24	23.96	23.92	24.00	
5	16QAM	12	0	23.02	23.06	23.07	
5	16QAM	12	7	23.06	23.00	22.99	
5	16QAM	12	13	23.13	23.03	23.01	23.7
5	16QAM	25	0	22.98	23.01	23.06	
5	64QAM	1	0	22.94	23.00	22.90	
5	64QAM	1	12	22.87	22.96	22.87	
5	64QAM	1	24	22.87	22.94	22.85	22.7
5	64QAM	12	0	22.03	22.05	21.99	
5	64QAM	12	7	21.98	22.01	21.97	
5	64QAM	12	13	21.96	22.03	21.97	
5	256QAM	25	0	22.06	22.02	22.05	22.7
5	256QAM	1	0	20.02	19.98	19.99	
5	256QAM	1	12	19.98	20.01	19.99	
5	256QAM	1	24	20.06	20.06	20.01	
5	256QAM	12	0	20.02	20.00	19.99	20.7
5	256QAM	7	7	19.93	19.94	19.95	20.7
5	256QAM	12	13	19.97	19.95	19.90	
5	256QAM	25	0	19.87	19.88	19.84	19.8

Band 17 Ant0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	24.76	24.80	24.74	25.5	0	
10	QPSK	1	25	24.66	24.74	24.65			
10	QPSK	1	49	24.75	24.69	24.67			
10	QPSK	25	0	23.77	23.85	23.78	24.5	1	
10	QPSK	25	12	23.70	23.72	23.64			
10	QPSK	25	25	23.80	23.67	23.61			
10	QPSK	50	0	23.77	23.79	23.74	24.5	1	
10	16QAM	1	0	23.72	23.76	23.72			
10	16QAM	1	25	23.62	23.77	23.71			
10	16QAM	1	49	23.75	23.71	23.68	23.5	2	
10	16QAM	25	0	22.78	22.91	22.82			
10	16QAM	25	12	22.67	22.77	22.68			
10	16QAM	25	25	22.80	22.73	22.65	23.5	2	
10	16QAM	50	0	22.78	22.82	22.78			
10	64QAM	1	0	22.66	22.72	22.75			
10	64QAM	1	25	22.66	22.71	22.76	23.5	2	
10	64QAM	1	49	22.79	22.70	22.65			
10	64QAM	25	0	21.72	21.67	21.75			
10	64QAM	25	12	21.71	21.68	21.67	22.5	3	
10	64QAM	25	25	21.81	21.70	21.63			
10	64QAM	50	0	21.75	21.80	21.71			
10	256QAM	1	0	19.71	19.85	19.74	20.5	5	
10	256QAM	1	25	19.75	19.73	19.58			
10	256QAM	1	49	19.74	19.67	19.64			
10	256QAM	25	0	19.62	19.62	19.78	20.5	5	
10	256QAM	25	12	19.70	19.60	19.68			
10	256QAM	25	25	19.65	19.72	19.71			
10	256QAM	50	0	19.71	19.65	19.71	20.5	5	
Channel				23759	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.70	24.68	24.71	25.5	0	
5	QPSK	1	12	24.53	24.70	24.61			
5	QPSK	1	24	24.62	24.65	24.62			
5	QPSK	12	0	23.65	23.81	23.67	24.5	1	
5	QPSK	12	7	23.59	23.62	23.55			
5	QPSK	12	13	23.71	23.56	23.55			
5	QPSK	25	0	23.70	23.72	23.71	24.5	1	
5	16QAM	1	0	23.65	23.66	23.66			
5	16QAM	1	12	23.58	23.68	23.60			
5	16QAM	1	24	23.73	23.64	23.56	23.5	2	
5	16QAM	12	0	22.76	22.86	22.78			
5	16QAM	12	7	22.56	22.71	22.63			
5	16QAM	12	13	22.70	22.59	22.54	23.5	2	
5	16QAM	25	0	22.75	22.73	22.72			
5	64QAM	1	0	22.55	22.67	22.64			
5	64QAM	1	12	22.54	22.66	22.63	22.5	3	
5	64QAM	1	24	22.70	22.57	22.55			
5	64QAM	12	0	21.67	21.78	21.70			
5	64QAM	12	7	21.66	21.55	21.57	22.5	3	
5	64QAM	12	13	21.74	21.63	21.50			
5	64QAM	25	0	21.64	21.72	21.67			
5	256QAM	1	0	19.68	19.76	19.72	20.5	5	
5	256QAM	1	12	19.68	19.69	19.46			
5	256QAM	1	24	19.63	19.61	19.57			
5	256QAM	12	0	19.75	19.72	19.70	20.5	5	
5	256QAM	12	7	19.57	19.77	19.54			
5	256QAM	12	13	19.58	19.67	19.58			
5	256QAM	25	0	19.65	19.53	19.64	20.5	5	

Band 26 Ant0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				831.5	831.5	831.5			
15	QPSK	1	0	25.14	25.20	25.15	25.7	0	
15	QPSK	1	37	25.09	25.11	25.07			
15	QPSK	1	74	25.10	25.07	25.09			
15	QPSK	36	0	24.13	24.20	24.11	24.7	1	
15	QPSK	36	20	24.07	24.15	24.04			
15	QPSK	36	39	24.09	24.07	24.11			
15	QPSK	75	0	24.13	24.16	24.10	24.7	1	
15	16QAM	1	0	24.10	24.15	24.12			
15	16QAM	1	37	24.14	24.07	24.05			
15	16QAM	1	74	24.08	24.02	24.08	23.7	2	
15	16QAM	36	0	23.11	23.18	23.05			
15	16QAM	36	20	23.04	23.13	23.05			
15	16QAM	36	39	23.09	23.10	23.08	23.7	2	
15	16QAM	75	0	23.18	23.11	23.15			
15	64QAM	1	0	23.15	23.16	23.13			
15	64QAM	1	37	23.08	23.01	23.00	23.7	2	
15	64QAM	1	74	23.10	22.97	23.05			
15	64QAM	36	0	22.12	22.15	22.08			
15	64QAM	36	20	22.07	22.15	22.04	22.7	3	
15	64QAM	36	39	22.15	22.05	22.10			
15	64QAM	75	0	22.15	22.22	22.08			
15	256QAM	1	0	20.13	20.14	20.06	20.7	5	
15	256QAM	1	37	20.10	20.15	20.03			
15	256QAM	1	74	20.10	20.09	20.12			
15	256QAM	36	0	20.17	20.19	20.10	20.7	5	
15	256QAM	36	20	20.07	20.20	20.18			
15	256QAM	36	39	20.20	20.10	19.99			
15	256QAM	75	0	20.08	20.04	20.03	20.7	5	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	25.08	25.17	25.04	25.7	0	
10	QPSK	1	25	24.95	25.02	25.04			
10	QPSK	1	49	25.04	24.94	24.95			
10	QPSK	25	0	24.03	24.11	23.97	24.7	1	
10	QPSK	25	12	23.94	24.09	23.98			
10	QPSK	25	25	24.05	24.01	24.04			
10	QPSK	50	0	24.03	24.07	24.04	24.7	1	
10	16QAM	1	0	24.07	24.04	24.03			
10	16QAM	1	25	24.07	24.00	24.01			
10	16QAM	1	49	24.03	23.92	23.95	23.7	2	
10	16QAM	25	0	23.09	23.09	22.98			
10	16QAM	25	12	22.93	23.02	22.98			
10	16QAM	25	25	23.04	23.03	23.01	23.7	2	
10	16QAM	50	0	23.07	23.09	23.10			
10	64QAM	1	0	23.07	23.10	23.10			
10	64QAM	1	25	22.98	22.94	22.97	23.7	2	
10	64QAM	1	49	22.97	22.85	22.99			
10	64QAM	25	0	21.99	22.11	22.05			
10	64QAM	25	12	22.00	22.02	21.96	22.7	3	
10	64QAM	25	25	22.07	21.99	21.96			
10	64QAM	50	0	22.11	22.19	22.01			
10	256QAM	1	0	20.08	20.08	20.00	20.7	5	
10	256QAM	1	25	19.97	20.11	19.91			
10	256QAM	1	49	20.03	20.05	20.04			
10	256QAM	25	0	20.11	20.14	20.01	20.7	5	
10	256QAM	25	12	19.94	20.11	20.14			
10	256QAM	25	25	20.11	20.08	19.95			
10	256QAM	50	0	19.98	19.91	20.01	20.7	5	
Channel				26715	26865	27015			
Frequency (MHz)				816.5 <th>831.5</th> <th>846.5</th>	831.5	846.5			
5	QPSK	1	0	25.09	25.09	25.09	25.7	0	
5	QPSK	1	12	25.00	25.00	25.03			
5	QPSK	1	24	24.97	24.94	24.96			
5	QPSK	12	0	24.07	24.12	23.98	24.7	1	
5	QPSK	12	13	24.04	24.05	24.00			
5	QPSK	25	0	24.03	24.02	24.02			
5	16QAM	1	0	24.03	24.02	24.08	24.7	1	
5	16QAM	1	12	24.01	24.01	24.01			
5	16QAM	1	24	23.98	23.98	23.95			
5	16QAM	12	0	23.07	23.16	22.99	23.7	2	
5	16QAM	12	7	22.99	23.00	23.02			
5	16QAM	12	13	22.96	23.07	23.03			
5	16QAM	25	0	23.10	23.11	23.05	23.7	2	
5	64QAM	1	12	23.05	22.98	22.90			
5	64QAM	1	24	23.02	22.89	22.95			
5	64QAM	12	0	22.01	22.06	22.03	22.7	3	
5	64QAM	12	7	21.98	22.10	21.96			
5	64QAM	12	13	22.05	21.98	22.05			
5	64QAM	25	0	22.09	22.14	21.94	20.7	5	
5	256QAM	1	0	20.10	20.10	19.99			
5	256QAM	1	12	20.01	20.08	19.90			
5	256QAM	1	24	20.03	19.95	20.05	20.7	5	
5	256QAM	12	0	20.15	20.15	19.99			
5	256QAM	12	7	19.95	20.07	20.05			
5	256QAM	12	13	20.10	19.98	19.89	20.7	5	
5	256QAM	25	0	20.04	19.95	19.91			
Channel				26705	26865	27025			
Frequency (MHz)				815.5 <th>831.5<th>847.5</th></th>	831.5 <th>847.5</th>	847.5			
3	QPSK	1	0	25.04	25.11	25.10	25.7	0	
3	QPSK	1	8	25.00	25.00	25.04			
3	QPSK	1	14	25.01	24.94	24.99			
3	QPSK	8	0	24.05	24.12	24.00	24.7	1	
3	QPSK	8	4	23.94	24.09	23.96			
3	QPSK	8	7	24.04	24.02	24.04			
3	16QAM	1	0	24.06	24.05	24.06	24.7	1	
3	16QAM	1	8	23.97	24.13	24.03			
3	16QAM	1	14	24.04	23.95	24.00			
3	16QAM	1	14	24.04	23.92	24.03	23.7	2	
3	16QAM	8	0	23.03	23.13	22.97			
3	16QAM	8	4	22.96	23.02	22.89			
3	16QAM	8	7	23.98	23.95	22.97	22.7	3	
3	16QAM	15	0	23.12	23.05	23.11			
3	64QAM	1	0	23.05	23.03	23.04			
3	64QAM	1	8	23.05	22.92	22.91	23.7	2	
3	64QAM	1	14	23.02	22.88	22.95			
3	64QAM	8	0	23.01	23.01	23.02			
3	64QAM	8	4	21.99	22.09	21.96	22.7	3	
3	64QAM	8	7	22.01	21.95	21.99			
3	64QAM	15	0	22.05	22.11	21.99			
3	256QAM	1	0	20.04	20.09	19.95	20.7	5	
3	256QAM	1	8	20.06	20.06	19.99			
3	256QAM	1	14	20.08	20.08	20.08			
3	256QAM	8	0	20.13	20.06	20.06	20.7	5	
3	256QAM	8	4	20.03	20.07	20.03			
3	256QAM	8	7	20.16	19.99	19.90			
3	256QAM	15	0	20.00	19.95	19.92	20.7	5	
Channel				26685	26865	27035			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	25.11	25.08	25.03	25.7	0	
1.4	QPSK	1	3	25.06	24.97	24.94			
1.4	QPSK	1	5	25.04	25.01	25.07			
1.4	QPSK	3	0	25.01	24.94	24.89	24.7	1	
1.4	QPSK	3	1	25.01	24.95	24.98			
1.4	QPSK	3	3	24.92	24.93	25.00			
1.4	QPSK	6	0	24.05	24.09	23.98	24.7	1	
1.4	16QAM	1	0	24.05	24.08	23.99			
1.4	16QAM	1	3	24.10	23.98	23.93			
1.4	16QAM	1	5	23.98	23.93	23.98	24.7	1	
1.4	16QAM	3	0	24.01	24.01	24.02			
1.4	16QAM	3	1	24.01	24.01	23.91			
1.4	16QAM	6	0	23.06	23.08	23.07	23.7	2	
1.4	64QAM	1	0	23.07	23.10	23.03			
1.4	64QAM	1	3	23.04	22.95	22.91			
1.4	64QAM	1	5	22.99	22.98	22.91	23.7	2	
1.4	64QAM	3	0	22.98	22.95	23.02			
1.4	64QAM	3	1	23.01	23.00	22.91			
1.4	64QAM	3	3	22.92	22.83	22.86	22.7	3	
1.4	64QAM	6	0	22.11	22.16	22.02			
1.4	256QAM	1	0	20.08	20.08	19.93			
1.4	256QAM	1	3	20.07	20.03	19.95	20.7	5	
1.4	256QAM	1	5	20.06	20.06	20.04			
1.4	256QAM	3	0	20.06	20.08	19.98			
1.4	256QAM	3	1	20.02	20.12	20.12	20.7	5	
1.4	256QAM	3	3	20.05	20.05	19.91			
1.4	256QAM	6	0	20.03	19.95	19.99			

GSM850 Ant1 DS0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	190	251		528	189	251	
Frequency (MHz)		824.2	835.4	846.6		824.2	835.4	846.6	
GSM 1 Tx slot		30.57	31.07	30.90	31.90	21.57	22.07	21.90	22.90
GPRS 1 Tx slot		30.75	31.01	30.94	31.90	21.75	22.01	21.94	22.90
GPRS 2 Tx slots		27.44	27.50	27.39	28.90	21.44	21.50	21.39	22.90
GPRS 3 Tx slots		25.49	25.60	25.58	27.10	21.23	21.34	21.30	22.94
GPRS 4 Tx slots		24.40	24.48	24.36	25.90	21.40	21.48	21.36	22.90
EDGE 1 Tx slot		26.49	26.55	26.51	27.90	17.49	17.55	17.51	18.90
EDGE 2 Tx slots		23.91	23.96	23.93	24.90	17.51	17.56	17.53	18.90
EDGE 3 Tx slots		22.20	22.21	22.18	23.10	17.94	17.95	17.92	18.84
EDGE 4 Tx slots		20.66	20.76	20.72	21.90	17.68	17.76	17.72	18.90

Band		WCDMA V Ant1 DS0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		825.4	836.6	847.6	
3GPP Rel 99	AMR 12.2Kbps	21.72	21.82	21.75	23.20
3GPP Rel 99	RMC 12.2Kbps	21.84	21.86	21.77	23.20
3GPP Rel 6	HSDPA Subtest-1	20.86	20.80	20.80	22.20
3GPP Rel 6	HSDPA Subtest-2	20.84	20.87	20.80	22.20
3GPP Rel 6	HSDPA Subtest-3	20.35	20.35	20.23	21.70
3GPP Rel 6	HSDPA Subtest-4	20.37	20.35	20.23	21.70
3GPP Rel 8	DCHSDPA Subtest-1	20.83	20.91	20.74	22.20
3GPP Rel 8	DCHSDPA Subtest-2	20.87	20.92	20.73	22.20
3GPP Rel 8	DCHSDPA Subtest-3	20.20	20.41	20.28	21.70
3GPP Rel 8	DCHSDPA Subtest-4	20.25	20.33	20.29	21.70
3GPP Rel 6	HSUPA Subtest-1	20.78	20.82	20.79	22.20
3GPP Rel 6	HSUPA Subtest-2	18.90	18.89	18.82	20.20
3GPP Rel 6	HSUPA Subtest-3	19.90	19.86	19.84	21.20
3GPP Rel 6	HSUPA Subtest-4	18.68	18.69	18.71	20.20
3GPP Rel 6	HSUPA Subtest-5	20.79	20.82	20.74	22.20
3GPP Rel 7	HSPA+ (TTCM) Subtest-1	18.31	18.37	18.22	19.70

Band 5 Ant1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tuneup limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20450	20505	20600				
				826.5	836.5	846.5				
10	QPSK	1	0	21.77	21.89	21.71	23	0		
10	QPSK	1	25	21.72	21.87	21.73				
10	QPSK	1	49	21.79	21.80	21.75				
10	QPSK	25	0	21.78	21.88	21.78				
10	QPSK	25	12	21.72	21.82	21.81				
10	QPSK	25	25	21.68	21.81	21.73	23	0		
10	QPSK	50	0	21.76	21.83	21.72				
10	16QAM	1	0	21.74	21.82	21.79				
10	16QAM	1	25	21.76	21.77	21.71				
10	16QAM	1	49	21.68	21.78	21.81				
10	16QAM	25	0	21.72	21.81	21.78	23	0		
10	16QAM	25	12	21.77	21.85	21.73				
10	16QAM	25	25	21.75	21.77	21.81				
10	16QAM	50	0	21.72	21.81	21.71				
10	64QAM	1	0	21.79	21.75	21.72				
10	64QAM	1	25	21.77	21.78	21.79	23	0		
10	64QAM	1	49	21.70	21.80	21.79				
10	64QAM	25	0	21.18	21.28	21.28				
10	64QAM	25	12	21.28	21.33	21.24				
10	64QAM	25	25	21.21	21.32	21.21				
10	64QAM	50	0	21.19	21.30	21.27	22.5	0.5		
10	256QAM	1	0	19.22	19.27	19.26				
10	256QAM	1	25	19.27	19.35	19.24				
10	256QAM	1	49	19.26	19.34	19.25				
10	256QAM	25	0	19.22	19.28	19.21				
10	256QAM	25	12	19.17	19.36	19.24	20.5	2.5		
10	256QAM	25	25	19.21	19.27	19.29				
10	256QAM	50	0	19.28	19.34	19.31				
Channel										
Frequency (MHz)				20425	20525	20625	Tuneup limit (dBm)	MPR (dB)		
				826.5	836.5	846.5				
5	QPSK	1	0	21.64	21.75	21.58	23	0		
5	QPSK	1	12	21.67	21.77	21.61				
5	QPSK	1	24	21.71	21.74	21.59				
5	QPSK	12	0	21.68	21.73	21.67				
5	QPSK	12	7	21.67	21.75	21.68				
5	QPSK	12	13	21.68	21.67	21.62	23	0		
5	QPSK	25	0	21.63	21.77	21.59				
5	16QAM	1	0	21.69	21.67	21.69				
5	16QAM	1	12	21.63	21.64	21.63				
5	16QAM	1	24	21.58	21.70	21.72				
5	16QAM	12	0	21.67	21.75	21.65	23	0		
5	16QAM	12	7	21.68	21.75	21.67				
5	16QAM	12	13	21.67	21.66	21.62				
5	16QAM	25	0	21.60	21.75	21.58				
5	64QAM	1	0	21.70	21.68	21.67				
5	64QAM	1	12	21.71	21.67	21.64	23	0		
5	64QAM	1	24	21.54	21.72	21.72				
5	64QAM	12	0	21.10	21.21	21.15				
5	64QAM	12	7	21.10	21.28	21.15				
5	64QAM	12	13	21.11	21.21	21.13				
5	64QAM	25	0	21.05	21.24	21.16	22.5	0.5		
5	256QAM	1	0	19.09	19.13	19.20				
5	256QAM	1	12	19.13	19.29	19.10				
5	256QAM	1	24	19.22	19.26	19.16				
5	256QAM	12	0	19.12	19.17	19.14				
5	256QAM	12	7	19.04	19.29	19.10	20.5	2.5		
5	256QAM	12	13	19.15	19.23	19.17				
5	256QAM	25	0	19.16	19.25	19.19				
Channel										
Frequency (MHz)				825.5	836.5	847.5	Tuneup limit (dBm)	MPR (dB)		
				826.5	836.5	847.5				
3	QPSK	1	0	21.69	21.79	21.60	23	0		
3	QPSK	1	8	21.65	21.75	21.59				
3	QPSK	1	14	21.73	21.71	21.61				
3	QPSK	8	0	21.71	21.67	21.65				
3	QPSK	8	4	21.66	21.79	21.75				
3	QPSK	8	7	21.57	21.76	21.59	23	0		
3	QPSK	15	0	21.61	21.70	21.58				
3	16QAM	1	0	21.61	21.76	21.72				
3	16QAM	1	8	21.58	21.62	21.55				
3	16QAM	1	14	21.59	21.70	21.77				
3	16QAM	8	0	21.61	21.73	21.72	23	0		
3	16QAM	8	4	21.71	21.77	21.64				
3	16QAM	8	7	21.64	21.69	21.77				
3	16QAM	15	0	21.59	21.68	21.60				
3	64QAM	1	0	21.67	21.69	21.60				
3	64QAM	1	8	21.70	21.65	21.72	23	0		
3	64QAM	1	14	21.62	21.68	21.71				
3	64QAM	8	0	21.08	21.25	21.23				
3	64QAM	8	4	21.19	21.18	21.10				
3	64QAM	8	7	21.13	21.18	21.13				
3	64QAM	15	0	21.13	21.17	21.22	22.5	0.5		
3	256QAM	1	0	19.10	19.14	19.19				
3	256QAM	1	8	19.23	19.25	19.16				
3	256QAM	1	14	19.19	19.29	19.16				
3	256QAM	8	0	19.11	19.20	19.12				
3	256QAM	8	4	19.06	19.31	19.13	20.5	2.5		
3	256QAM	8	7	19.09	19.17	19.15				
3	256QAM	15	0	19.17	19.28	19.23				
Channel										
Frequency (MHz)				20607	20525	20643	Tuneup limit (dBm)	MPR (dB)		
				824.7	836.5	848.3				
1.4	QPSK	1	0	21.64	21.75	21.60	23	0		
1.4	QPSK	1	3	21.57	21.75	21.61				
1.4	QPSK	1	5	21.73	21.75	21.70				
1.4	QPSK	3	0	21.69	21.65	21.72				
1.4	QPSK	3	1	21.66	21.71	21.68				
1.4	QPSK	3	3	21.58	21.73	21.59	23	0		
1.4	QPSK	6	0	21.65	21.77	21.65				
1.4	16QAM	1	0	21.59	21.77	21.74				
1.4	16QAM	1	3	21.65	21.66	21.59				
1.4	16QAM	1	5	21.60	21.86	21.62				
1.4	16QAM	3	0	21.63	21.70	21.62	23	0		
1.4	16QAM	3	1	21.64	21.76	21.67				
1.4	16QAM	3	3	21.67	21.63	21.70				
1.4	16QAM	6	0	21.56	21.76	21.55				
1.4	64QAM	1	0	21.72	21.80	21.62				
1.4	64QAM	1	3	21.67	21.71	21.68	23	0		
1.4	64QAM	1	5	21.63	21.75	21.70				
1.4	64QAM	3	0	21.14	21.26	21.21				
1.4	64QAM	3	1	21.13	21.21	21.09				
1.4	64QAM	3	3	21.13	21.28	21.07				
1.4	64QAM	6	0	21.09	21.17	21.15	22.5	0.5		
1.4	64QAM	6	3	19.07	19.19	19.13				
1.4	256QAM	1	0	19.18	19.20	19.14				
1.4	256QAM	1	3	19.19	19.20	19.10				
1.4	256QAM	3	0	19.14	19.20	19.12				
1.4	256QAM	3	1	19.05	19.27	19.11	20.5	2.5		
1.4	256QAM	3	3	19.08	19.20	19.23				
1.4	256QAM	6	0	19.16	19.20	19.17				
1.4	256QAM	6	3	19.15	19.20	19.17				

Band 17 Ant1 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel				23760	23790	23800					
Frequency (MHz)				706	710	711					
10	QPSK	1	0	23.96	24.10	23.94	25	0			
10	QPSK	1	25	23.92	24.08	23.89					
10	QPSK	1	49	23.94	24.00	23.86					
10	QPSK	25	0	23.05	23.16	22.92					
10	QPSK	25	12	22.96	23.00	22.87					
10	QPSK	25	25	22.86	22.94	22.87	24	1			
10	QPSK	50	0	23.01	23.09	22.95					
10	16QAM	1	0	22.93	23.01	22.97					
10	16QAM	1	25	23.00	23.05	22.95					
10	16QAM	1	49	22.94	22.96	22.88					
10	16QAM	25	0	21.98	22.18	21.98	23	2			
10	16QAM	25	12	21.91	21.88	21.79					
10	16QAM	25	25	21.95	21.86	21.84					
10	16QAM	50	0	22.05	22.12	21.95					
10	64QAM	1	0	22.09	22.03	21.93					
10	64QAM	1	25	21.89	22.05	21.98	23	2			
10	64QAM	1	49	21.93	21.97	21.84					
10	64QAM	25	0	20.95	21.15	20.95					
10	64QAM	25	12	20.88	21.05	20.85					
10	64QAM	25	25	20.82	20.89	20.94					
10	64QAM	50	0	20.88	21.04	20.91	22	3			
10	256QAM	1	0	19.00	19.05	18.94					
10	256QAM	1	25	18.96	19.05	18.84					
10	256QAM	1	49	18.91	18.98	18.80					
10	256QAM	25	0	19.08	19.20	18.95					
10	256QAM	25	12	18.93	19.11	19.02	20	5			
10	256QAM	25	25	18.97	19.04	18.95					
10	256QAM	50	0	18.85	19.01	18.77					
Channel				23765	23790	23825					
Frequency (MHz)				706.5	710	713.5					
5	QPSK	1	0	23.94	24.06	23.89	25	0			
5	QPSK	1	12	23.90	24.01	23.80					
5	QPSK	1	24	23.86	23.87	23.76					
5	QPSK	12	0	23.02	23.12	22.89					
5	QPSK	12	7	22.91	22.92	22.81					
5	QPSK	12	13	22.75	22.90	22.78	24	1			
5	QPSK	25	0	22.88	23.05	22.83					
5	16QAM	1	0	22.82	22.89	22.87					
5	16QAM	1	12	22.84	23.01	22.82					
5	16QAM	1	24	22.83	22.84	22.79					
5	16QAM	12	0	21.86	22.05	21.80	23	2			
5	16QAM	12	7	21.82	21.93	21.87					
5	16QAM	12	13	21.83	21.80	21.80					
5	16QAM	25	0	21.97	21.99	21.89					
5	64QAM	1	0	21.98	21.99	21.80					
5	64QAM	1	12	21.76	22.03	21.86	23	2			
5	64QAM	1	24	21.90	21.90	21.81					
5	64QAM	12	0	20.89	21.07	20.91					
5	64QAM	12	7	20.76	20.82	20.72					
5	64QAM	12	13	20.75	20.84	20.80					
5	64QAM	25	0	20.85	21.00	20.77	22	3			
5	256QAM	1	0	18.91	18.99	18.91					
5	256QAM	1	12	18.90	18.92	18.74					
5	256QAM	1	24	18.81	18.90	18.69					
5	256QAM	12	0	18.94	19.12	18.85					
5	256QAM	12	7	18.87	19.05	19.00	20	5			
5	256QAM	12	13	18.85	18.91	18.92					
5	256QAM	25	0	18.78	18.93	18.69					

Band 26 Ant1 DS13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20765	20865	20965					
Frequency (MHz)				811.5	811.5	811.5					
15	QPSK	1	0	22.40	22.53	22.45	23.5	0			
15	QPSK	1	37	22.33	22.55	22.43					
15	QPSK	1	74	22.38	22.51	22.45					
15	QPSK	36	0	22.42	22.58	22.41					
15	QPSK	36	20	22.39	22.55	22.38					
15	QPSK	36	39	22.33	22.54	22.37	23.5	0			
15	QPSK	75	0	22.34	22.58	22.37					
15	16QAM	1	0	22.36	22.59	22.34					
15	16QAM	1	37	22.38	22.62	22.38					
15	16QAM	1	74	22.41	22.53	22.39					
15	16QAM	36	0	22.42	22.53	22.37	23.5	0			
15	16QAM	36	20	22.42	22.54	22.41					
15	16QAM	36	39	22.41	22.52	22.43					
15	16QAM	75	0	22.33	22.56	22.42					
15	64QAM	1	0	22.32	22.58	22.46	23.5	0			
15	64QAM	1	37	22.33	22.55	22.42					
15	64QAM	1	74	22.37	22.62	22.41					
15	64QAM	36	0	21.38	21.58	21.48					
15	64QAM	36	20	21.37	21.51	21.46					
15	64QAM	36	39	21.37	21.48	21.48	22.5	1			
15	64QAM	75	0	21.40	21.54	21.43					
15	256QAM	1	0	19.42	19.58	19.45					
15	256QAM	1	37	19.37	19.48	19.51					
15	256QAM	1	74	19.45	19.48	19.43					
15	256QAM	36	0	19.42	19.55	19.44	20.5	3			
15	256QAM	36	20	19.39	19.49	19.41					
15	256QAM	36	39	19.44	19.51	19.50					
15	256QAM	75	0	19.45	19.50	19.47					
Channel				20740	20805	20890					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	22.26	22.43	22.34	23.5	0			
10	QPSK	1	25	22.22	22.51	22.39					
10	QPSK	1	49	22.23	22.45	22.38					
10	QPSK	25	0	22.29	22.47	22.33					
10	QPSK	25	12	22.29	22.50	22.29					
10	QPSK	25	25	22.19	22.44	22.26	23.5	0			
10	QPSK	50	0	22.25	22.48	22.21					
10	16QAM	1	0	22.30	22.49	22.24					
10	16QAM	1	25	22.28	22.58	22.24					
10	16QAM	1	49	22.35	22.42	22.25					
10	16QAM	12	0	22.34	22.38	22.29	23.5	0			
10	16QAM	25	12	22.34	22.41	22.25					
10	16QAM	25	25	22.29	22.38	22.36					
10	16QAM	50	0	22.26	22.48	22.29					
10	64QAM	1	0	22.25	22.43	22.32					
10	64QAM	1	25	22.20	22.40	22.36	23.5	0			
10	64QAM	1	49	22.25	22.58	22.34					
10	64QAM	25	0	21.32	21.43	21.44					
10	64QAM	25	12	21.26	21.43	21.30					
10	64QAM	25	25	21.30	21.41	21.42					
10	64QAM	50	0	21.31	21.40	21.28	22.5	1			
10	256QAM	1	0	19.28	19.44	19.38					
10	256QAM	1	25	19.32	19.35	19.38					
10	256QAM	1	49	19.37	19.38	19.34					
10	256QAM	25	0	19.35	19.39	19.28					
10	256QAM	25	12	19.27	19.36	19.29	20.5	3			
10	256QAM	25	25	19.39	19.40	19.43					
10	256QAM	50	0	19.34	19.44	19.38					
Channel				20715	20805	20915					
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	22.25	22.48	22.33	23.5	0			
5	QPSK	1	12	22.26	22.47	22.27					
5	QPSK	1	24	22.25	22.40	22.40					
5	QPSK	12	0	22.34	22.46	22.36					
5	QPSK	12	7	22.32	22.48	22.36					
5	QPSK	12	13	22.18	22.45	22.32	23.5	0			
5	QPSK	25	0	22.28	22.43	22.26					
5	18QAM	1	0	22.27	22.48	22.27					
5	18QAM	1	12	22.24	22.53	22.25					
5	18QAM	1	24	22.25	22.40	22.28					
5	18QAM	12	0	22.36	22.41	22.32	23.5	0			
5	18QAM	12	7	22.36	22.48	22.32					
5	18QAM	12	13	22.32	22.37	22.32					
5	18QAM	25	0	22.18	22.40	22.32					
5	64QAM	1	0	22.20	22.44	22.38					
5	64QAM	1	12	22.28	22.50	22.38	23.5	0			
5	64QAM	1	24	22.29	22.56	22.27					
5	64QAM	12	0	21.26	21.47	21.42					
5	64QAM	12	7	21.29	21.42	21.35					
5	64QAM	12	13	21.32	21.37	21.38					
5	64QAM	25	0	21.28	21.48	21.32	20.5	3			
5	256QAM	1	0	19.38	19.47	19.38					
5	256QAM	1	12	19.38	19.40	19.39					
5	256QAM	1	24	19.37	19.44	19.34					
5	256QAM	12	0	19.32	19.44	19.29					
5	256QAM	12	7	19.30	19.39	19.36	20.5	3			
5	256QAM	12	13	19.35	19.44	19.37					
5	256QAM	25	0	19.30	19.37	19.42					
Channel				20705	20805	20925					
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	22.36	22.47	22.35	23.5	0			
3	QPSK	1	8	22.26	22.47	22.33					
3	QPSK	1	14	22.29	22.47	22.40					
3	QPSK	8	0	22.28	22.44	22.36					
3	QPSK	8	7	22.21	22.43	22.32					
3	QPSK	16	0	22.30	22.50	22.27	23.5	0			
3	18QAM	1	0	22.25	22.44	22.30					
3	18QAM	1	8	22.26	22.47	22.25					
3	18QAM	1	14	22.26	22.44	22.22					
3	18QAM	8	0	22.26	22.49	22.22					
3	18QAM	8	7	22.28	22.46	22.35	23.5	0			
3	18QAM	15	0	22.21	22.44	22.36					
3	64QAM	1	0	22.23	22.45	22.36					
3	64QAM	1	8	22.20	22.48	22.38					
3	64QAM	15	0	22.25	22.40	21.37					
3	64QAM	8	7	22.28	22.46	22.35	22.5	1			
3	256QAM	1	0	19.27	19.44	19.35					
3	256QAM	1	8	19.28	19.43	19.38					
3	256QAM	1	14	19.37	19.38	19.31					
3	256QAM	8	0	19.29	19.51	19.39					
3	256QAM	8	7	19.28	19.38	19.29	20.5	3			
3	256QAM	8	14	19.31	19.39	19.35					
3	256QAM	15	0	19.37	19.36	19.37					
Channel				20697	20805	20937					
Frequency (MHz)				814.5	831.5	848.3					
1.4	QPSK	1	0	22.31	22.39	22.30	23.5	0			
1.4	QPSK	1	3	22.19	22.40	22.32					
1.4	QPSK	1	5	22.24	22.46	22.34					
1.4	QPSK	3	0	22.32	22.42	22.26					
1.4	QPSK	3	1	22.29	22.42	22.28					
1.4	QPSK	3	3	22.28	22.47	22.30	23.5	0			
1.4	QPSK	6	0	22.27	22.47	22.23					
1.4	18QAM	1	0	22.26	22.51	22.19					
1.4	18QAM	1	3	22.27	22.54	22.26					
1.4	18QAM	1	5	22.37	22.46	22.28					
1.4	18QAM	3	0	22.27	22.40	22.28	23.5	0			
1.4	18QAM	3	1	22.29	22.40	22.36					
1.4	18QAM	3	3	22.34	22.42	22.32					
1.4	18QAM	6	0	22.31	22.42	22.28					
1.4	64QAM	1	0	22.22	22.52	22.40					
1.4	64QAM	1	3	22.23	22.48	22.30	23.5	0			
1.4	64QAM	1	5	22.23	22.46	22.31					
1.4	64QAM	3	0	22.25	22.39	22.32					
1.4	64QAM	3	1	22.35	22.42	22.41					
1.4	64QAM	6	0	21.24	21.49	21.31					
1.4	256QAM	1	0	19.37	19.46	19.32	22.5	1			
1.4	256QAM	1	3	19.37	19.46	19.31					
1.4	256QAM	3	0	19.30	19.43	19.28					
1.4	256QAM	3	1	19.30	19.35	19.28					
1.4	256QAM	6	0	19.34	19.43	19.29					
1.4	256QAM	3	1	19.32	19.37	19.26	20.5	3			
1.4	256QAM	3	3	19.38	19.38	19.36					
1.4	256QAM	6	0	19.37	19.35	19.31					
1.4	256QAM	6	1	19.37	19.35	19.31					
1.4	256QAM	6	3	19.37	19.35	19.31					

Band 4 Other PA Ant3 DSI3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Int (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.45	22.53	22.35	23.2	0						
20	QPSK	1	49	22.37	22.49	22.38								
20	QPSK	50	0	22.44	22.49	22.35	23.2	0						
20	QPSK	50	24	22.32	22.44	22.35								
20	QPSK	100	0	22.44	22.48	22.35	23.2	0						
20	QPSK	100	0	22.37	22.52	22.47								
20	HQAM	1	0	22.44	22.47	22.34	23.2	0						
20	HQAM	1	49	22.35	22.45	22.35								
20	HQAM	1	99	22.40	22.40	22.35	23.2	0						
20	HQAM	50	0	22.34	22.43	22.48								
20	HQAM	50	24	22.40	22.44	22.47	23.2	0						
20	HQAM	100	0	22.42	22.46	22.44								
20	HQAM	1	49	22.34	22.42	22.44	23.2	0						
20	HQAM	1	99	22.36	22.39	22.40								
20	HQAM	50	0	21.94	21.85	21.82	22.7	0.5						
20	HQAM	50	24	21.97	21.85	21.83								
20	HQAM	50	50	21.97	21.95	21.79	22.7	0.5						
20	HQAM	100	0	21.95	21.91	21.83								
20	25QAM	1	0	19.93	19.84	19.84	20.7	2.5						
20	25QAM	1	49	20.01	19.94	19.84								
20	25QAM	50	0	19.94	19.89	19.85	20.7	2.5						
20	25QAM	50	0	19.89	19.83	19.89								
20	25QAM	50	24	19.97	19.81	19.85	20.7	2.5						
20	25QAM	50	50	19.97	19.95	19.81								
20	25QAM	100	0	19.87	19.82	19.81	20.7	2.5						
20	25QAM	100	0	19.87	19.82	19.81								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.36	22.33	23.2	0						
15	QPSK	1	37	22.31	22.44	22.32								
15	QPSK	74	0	22.15	22.24	22.32	23.2	0						
15	QPSK	36	0	22.33	22.27	22.33								
15	QPSK	36	20	22.17	22.41	22.32	23.2	0						
15	QPSK	36	20	22.31	22.41	22.32								
15	QPSK	75	0	22.25	22.35	22.34	23.2	0						
15	HQAM	1	0	22.29	22.33	22.17								
15	HQAM	1	37	22.29	22.38	22.31	23.2	0						
15	HQAM	1	74	22.24	22.30	22.32								
15	HQAM	36	0	22.21	22.40	22.37	23.2	0						
15	HQAM	36	20	22.25	22.33	22.35								
15	HQAM	36	39	22.25	22.39	22.40	23.2	0						
15	HQAM	75	0	22.26	22.31	22.36								
15	HQAM	75	0	22.24	22.40	22.37	23.2	0						
15	HQAM	1	37	22.27	22.33	22.41								
15	HQAM	1	74	22.27	22.31	22.36	23.2	0						
15	HQAM	0	0	21.83	21.73	21.75								
15	HQAM	36	20	21.94	21.77	21.78	22.7	0.5						
15	HQAM	36	39	21.96	21.91	21.74								
15	25QAM	1	0	19.90	19.72	19.75	20.7	2.5						
15	25QAM	1	37	19.90	19.80	19.75								
15	25QAM	74	0	19.82	19.74	19.85	20.7	2.5						
15	25QAM	36	0	19.76	19.87	19.77								
15	25QAM	36	20	19.76	19.87	19.85	20.7	2.5						
15	25QAM	36	39	19.75	19.86	19.87								
15	25QAM	75	0	19.77	19.80	19.70	20.7	2.5						
15	25QAM	75	0	19.77	19.80	19.70								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.38	22.25	22.25	23.2	0						
10	QPSK	1	25	22.23	22.45	22.34								
10	QPSK	49	0	22.15	22.25	22.37	23.2	0						
10	QPSK	25	0	22.30	22.40	22.23								
10	QPSK	25	12	22.18	22.27	22.21	23.2	0						
10	QPSK	25	12	22.34	22.38	22.35								
10	QPSK	50	0	22.32	22.42	22.35	23.2	0						
10	HQAM	1	0	22.28	22.40	22.33								
10	HQAM	1	25	22.30	22.29	22.34	23.2	0						
10	HQAM	1	49	22.38	22.31	22.39								
10	HQAM	25	0	22.15	22.28	22.41	23.2	0						
10	HQAM	25	12	22.30	22.31	22.11								
10	HQAM	25	25	22.28	22.42	22.30	23.2	0						
10	HQAM	50	0	22.26	22.37	22.34								
10	HQAM	50	0	22.15	22.42	22.36	23.2	0						
10	HQAM	1	25	22.20	22.29	22.37								
10	HQAM	49	0	21.85	21.72	21.89	22.7	0.5						
10	HQAM	36	12	21.82	21.79	21.80								
10	HQAM	25	0	21.84	21.75	21.75	20.7	2.5						
10	HQAM	50	0	21.84	21.85	21.75								
10	25QAM	1	0	19.85	19.76	19.87	20.7	2.5						
10	25QAM	1	49	19.75	19.78	19.85								
10	25QAM	25	0	19.78	19.82	19.75	20.7	2.5						
10	25QAM	12	0	19.82	19.85	19.85								
10	25QAM	25	25	19.73	19.79	19.85	20.7	2.5						
10	25QAM	50	0	19.80	19.88	19.75								
10	25QAM	50	0	19.80	19.88	19.75	20.7	2.5						
10	25QAM	50	0	19.80	19.88	19.75								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.35	22.32	22.24	23.2	0						
5	QPSK	1	12	22.21	22.40	22.34								
5	QPSK	14	0	22.23	22.36	22.38	23.2	0						
5	QPSK	12	0	22.27	22.29	22.23								
5	QPSK	12	7	22.17	22.36	22.25	23.2	0						
5	QPSK	13	0	22.35	22.38	22.31								
5	QPSK	25	0	22.19	22.44	22.35	23.2	0						
5	HQAM	1	0	22.23	22.43	22.35								
5	HQAM	1	12	22.25	22.32	22.29	23.2	0						
5	HQAM	1	24	22.33	22.34	22.30								
5	HQAM	12	0	22.40	22.34	22.45	23.2	0						
5	HQAM	12	7	22.25	22.36	22.31								
5	HQAM	12	13	22.28	22.27	22.38	23.2	0						
5	HQAM	25	0	22.15	22.36	22.34								
5	HQAM	1	0	22.15	22.36	22.33	23.2	0						
5	HQAM	1	12	22.23	22.35	22.31								
5	HQAM	12	0	22.27	22.30	22.35	22.7	0.5						
5	HQAM	12	0	21.79	21.69	21.87								
5	HQAM													

Band 38 Other PA Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.01	24.11	24.05	25	0	
20	QPSK	1	49	23.88	24.05	23.98			
20	QPSK	1	99	23.91	24.00	23.96			
20	QPSK	50	0	22.97	23.12	23.00	24	1	
20	QPSK	50	24	22.87	22.99	23.00			
20	QPSK	50	50	22.96	22.95	23.00			
20	QPSK	100	0	23.03	23.07	23.10	24	1	
20	16QAM	1	0	22.96	23.07	23.05			
20	16QAM	1	49	22.90	23.03	23.00			
20	16QAM	1	99	22.86	22.98	22.98	23	2	
20	16QAM	50	0	21.99	22.12	22.00			
20	16QAM	50	24	21.85	21.95	22.04			
20	16QAM	50	50	21.90	21.92	21.95	23	2	
20	16QAM	100	0	22.01	22.02	22.05			
20	64QAM	1	0	21.98	22.05	21.99			
20	64QAM	1	49	21.91	22.02	22.05	22	3	
20	64QAM	1	99	21.84	21.98	21.95			
20	64QAM	50	0	20.99	21.11	21.05			
20	64QAM	50	24	20.90	21.00	21.05	20	5	
20	64QAM	50	50	20.91	20.99	20.96			
20	64QAM	100	0	21.03	21.11	21.09			
20	256QAM	1	0	18.99	18.99	18.99	20	5	
20	256QAM	1	49	18.85	19.00	19.00			
20	256QAM	1	99	18.99	18.99	19.06			
20	256QAM	50	0	19.00	19.09	19.15	20	5	
20	256QAM	50	24	19.01	19.02	19.09			
20	256QAM	50	50	18.92	19.00	18.98			
20	256QAM	100	0	18.83	18.96	18.93			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.89	24.08	24.02	25	0	
15	QPSK	1	37	23.77	23.91	23.86			
15	QPSK	1	74	23.82	23.91	23.91			
15	QPSK	36	0	22.93	22.99	22.94	24	1	
15	QPSK	36	20	22.84	22.92	22.91			
15	QPSK	36	39	22.89	22.92	22.94			
15	QPSK	75	0	23.00	22.99	23.00	24	1	
15	16QAM	1	0	22.84	22.97	22.99			
15	16QAM	1	37	22.84	22.91	22.95			
15	16QAM	1	74	22.82	22.90	22.92	23	2	
15	16QAM	36	0	21.97	22.03	21.97			
15	16QAM	36	20	21.82	21.89	21.93			
15	16QAM	36	39	21.84	21.90	21.89	23	2	
15	16QAM	75	0	21.87	21.92	21.94			
15	64QAM	1	0	21.95	21.94	21.87			
15	64QAM	1	37	21.83	21.94	21.88	23	2	
15	64QAM	1	74	21.77	21.86	21.93			
15	64QAM	36	0	20.88	21.08	20.99			
15	64QAM	36	20	20.81	20.95	20.91	22	3	
15	64QAM	36	39	20.88	20.80	20.85			
15	64QAM	75	0	20.98	21.07	20.97			
15	256QAM	1	0	18.86	19.12	18.94	20	5	
15	256QAM	1	37	18.72	18.92	18.86			
15	256QAM	1	74	18.88	18.94	18.96			
15	256QAM	36	0	18.89	19.01	19.02	20	5	
15	256QAM	36	20	18.92	18.94	19.04			
15	256QAM	36	39	18.81	18.97	18.85			
15	256QAM	75	0	18.75	18.90	18.83			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.95	24.00	24.00	25	0	
10	QPSK	1	25	23.76	24.02	23.85			
10	QPSK	1	49	23.82	23.94	23.84			
10	QPSK	25	0	22.85	22.98	22.88	24	1	
10	QPSK	25	12	22.81	22.90	22.88			
10	QPSK	25	25	22.94	22.92	22.88			
10	QPSK	50	0	23.00	23.00	22.97	24	1	
10	16QAM	1	0	22.92	23.00	23.00			
10	16QAM	1	25	22.81	22.91	22.87			
10	16QAM	1	49	22.78	22.93	22.91	23	2	
10	16QAM	25	0	21.87	22.06	21.89			
10	16QAM	25	12	21.81	21.89	21.95			
10	16QAM	25	25	21.81	21.87	21.87	23	2	
10	16QAM	50	0	21.90	21.99	22.02			
10	64QAM	1	0	21.85	21.99	21.96			
10	64QAM	1	25	21.80	21.88	22.00	23	2	
10	64QAM	1	49	21.75	21.91	21.86			
10	64QAM	25	0	20.87	21.07	20.95			
10	64QAM	25	12	20.81	20.92	20.95	22	3	
10	64QAM	25	25	20.82	20.82	20.89			
10	64QAM	50	0	20.92	21.00	20.97			
10	256QAM	1	0	18.85	19.12	18.95	20	5	
10	256QAM	1	25	18.76	18.88	18.92			
10	256QAM	1	49	18.96	18.95	18.95			
10	256QAM	25	0	18.92	18.99	19.08	20	5	
10	256QAM	25	12	18.97	18.98	19.04			
10	256QAM	25	25	18.81	18.97	18.87			
10	256QAM	50	0	18.70	18.94	18.88			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.90	24.04	24.01	25	0	
5	QPSK	1	12	23.84	23.96	23.90			
5	QPSK	1	24	23.86	23.92	23.92			
5	QPSK	12	0	22.94	23.03	22.91	24	1	
5	QPSK	12	7	22.79	22.92	22.88			
5	QPSK	12	13	22.84	22.85	22.96			
5	QPSK	25	0	23.01	22.97	23.02	24	1	
5	16QAM	1	0	22.89	22.95	23.00			
5	16QAM	1	12	22.80	22.92	22.88			
5	16QAM	1	24	22.78	22.96	22.90	23	2	
5	16QAM	12	0	21.86	22.06	21.88			
5	16QAM	12	7	21.80	21.85	21.90			
5	16QAM	12	13	21.83	21.86	21.82	23	2	
5	16QAM	25	0	21.95	21.97	22.01			
5	64QAM	1	0	21.94	21.92	21.92			
5	64QAM	1	12	21.86	21.96	21.99	23	2	
5	64QAM	1	24	21.72	21.95	21.82			
5	64QAM	12	0	20.90	21.08	20.95			
5	64QAM	12	7	20.80	20.93	20.99	22	3	
5	64QAM	12	13	20.87	20.84	20.92			
5	64QAM	25	0	20.97	21.05	21.07			
5	256QAM	1	0	18.94	19.10	18.90	20	5	
5	256QAM	1	12	18.76	18.97	18.91			
5	256QAM	1	24	18.87	18.96	18.98			
5	256QAM	12	0	18.96	18.99	19.10	20	5	
5	256QAM	12	7	18.96	18.89	19.00			
5	256QAM	12	13	18.83	18.90	18.95			
5	256QAM	25	0	18.72	18.88	18.86			

Band 41 Other PA Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset						

GSM1900 Antr DSI		Burst Average Power (dBm)			Tune-up		Frame Average Power (dBm)			Tune-up	
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1850.2	1860	1869.8	(dBm)		1850.2	1860	1869.8	(dBm)	
GSM 1 Tx slot		29.99	30.10	30.08	31.50		29.99	21.10	21.08	22.50	
GPRS 1 Tx slot		29.91	30.05	30.01	31.50		29.91	21.05	21.01	22.50	
GPRS 3 Tx slots		26.92	27.04	27.02	28.50		26.92	21.04	21.02	22.50	
GPRS 3 Tx slots		24.98	25.12	25.06	26.70		24.98	20.99	20.90	22.44	
GPRS 4 Tx slots		23.87	23.92	23.89	25.50		23.87	20.92	20.89	22.50	
EDGE 1 Tx slot		25.90	25.95	25.88	27.00		25.90	18.95	18.88	18.00	
EDGE 2 Tx slots		22.98	22.71	22.84	24.00		22.98	16.71	16.84	16.00	
EDGE 3 Tx slots		21.08	21.18	21.15	22.20		21.08	16.92	16.89	17.94	
EDGE 4 Tx slots		19.28	19.33	19.32	21.00		19.28	16.33	16.32	18.00	

Band		WCDMA II Antr			Tune-up		WCDMA IV Antr			Tune-up	
TX Channel		9282	9400	9538	Limit		1312	1413	1513	Limit	
Rx Channel		9562	9600	9638	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)		1522.4	1520	1507.6	21.00		1422.4	1422.3	1422.3	22.00	
3GPP Rel 99		AMR 12.2kbps	20.03	20.03	20.06	21.00	21.02	21.03	21.07	22.00	
3GPP Rel 99		RMC 12.2kbps	20.01	20.12	20.10	21.00	21.05	21.09	21.01	22.00	
3GPP Rel 6		HS-DS-SS Subtest-1	18.98	19.20	19.15	20.00	20.01	20.14	20.10	21.00	
3GPP Rel 6		HS-DS-SS Subtest-2	19.11	19.16	19.16	20.00	20.15	20.08	20.11	21.00	
3GPP Rel 6		HS-DS-SS Subtest-3	18.52	18.59	18.66	19.50	19.45	19.58	19.60	20.50	
3GPP Rel 6		HS-DS-SS Subtest-4	18.58	18.67	18.63	19.50	19.55	19.66	19.64	20.50	
3GPP Rel 8		DC-HS-SS Subtest-1	19.08	19.15	19.08	20.00	20.02	20.08	20.06	21.00	
3GPP Rel 8		DC-HS-SS Subtest-2	19.14	19.11	19.07	20.00	20.04	20.10	20.07	21.00	
3GPP Rel 8		DC-HS-SS Subtest-3	18.58	18.61	18.65	19.50	19.51	19.61	19.55	20.50	
3GPP Rel 8		DC-HS-SS Subtest-4	18.54	18.62	18.73	19.50	19.63	19.62	19.66	20.50	
3GPP Rel 6		HS-SS Subtest-1	19.03	19.10	19.17	20.00	20.06	20.04	20.13	21.00	
3GPP Rel 6		HS-SS Subtest-2	17.02	17.08	17.13	18.00	17.94	18.17	18.16	19.00	
3GPP Rel 6		HS-SS Subtest-3	18.10	18.11	18.07	19.00	19.09	19.13	19.03	20.00	
3GPP Rel 6		HS-SS Subtest-4	16.94	17.09	17.06	18.00	17.92	18.14	18.01	19.00	
3GPP Rel 6		HS-SS Subtest-5	18.96	19.21	19.19	20.00	20.00	20.22	20.04	21.00	
3GPP Rel 7		HS-SS (TSCM) Subtest-1	16.45	16.64	16.58	17.50	17.52	17.58	17.55	18.50	

Band 2 Ant4 DSI3																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (s)	MPE (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	21.40	21.51	21.55	22.5	0										
20	QPSK	1	49	21.44	21.44	21.56												
20	QPSK	50	0	21.45	21.45	21.55	22.5	0										
20	QPSK	50	24	21.46	21.37	21.41												
20	QPSK	100	0	21.45	21.37	21.37	22.5	0										
20	HQAM	1	0	21.35	21.39	21.43												
20	HQAM	1	49	21.46	21.47	21.42	22.5	0										
20	HQAM	1	99	21.38	21.42	21.38												
20	HQAM	50	0	21.41	21.37	21.38	22.5	0										
20	HQAM	50	24	21.35	21.42	21.35												
20	HQAM	100	0	21.38	21.41	21.44	22	0.5										
20	HQAM	1	0	21.45	21.37	21.37												
20	HQAM	1	49	21.46	21.46	21.46	20	2.5										
20	HQAM	50	0	18.86	18.97	18.89												
20	HQAM	50	24	18.85	18.93	18.88	20	2.5										
20	HQAM	50	50	18.88	18.94	18.89												
20	HQAM	100	0	18.93	19.03	18.84	20	2.5										
Channel																		
Frequency (MHz)																		
16	QPSK	1	0	21.29	21.37	21.31			22.5	0								
16	QPSK	1	37	21.40	21.36	21.22												
16	QPSK	74	0	21.35	21.31	21.31	22.5	0										
16	QPSK	36	0	21.40	21.36	21.27												
16	QPSK	36	20	21.29	21.32	21.33	22.5	0										
16	QPSK	36	20	21.32	21.25	21.30												
16	QPSK	75	0	21.31	21.35	21.28	22.5	0										
16	HQAM	1	0	21.23	21.29	21.26												
16	HQAM	1	37	21.42	21.41	21.35	22.5	0										
16	HQAM	1	74	21.33	21.33	21.28												
16	HQAM	36	0	21.30	21.28	21.26	22.5	0										
16	HQAM	36	20	21.23	21.37	21.29												
16	HQAM	36	39	21.29	21.34	21.36	22	0.5										
16	HQAM	75	0	21.25	21.35	21.40												
16	HQAM	75	0	21.37	21.22	21.24	22.5	0										
16	HQAM	1	37	21.27	21.29	21.36												
16	HQAM	74	0	21.34	21.38	21.35	22	0.5										
16	HQAM	36	0	20.76	20.84	20.76												
16	HQAM	36	20	20.82	20.87	20.85	20	0.5										
16	HQAM	75	0	20.79	20.89	20.79												
16	HQAM	75	0	20.89	20.90	20.72	20	2.5										
16	HQAM	1	0	18.77	18.90	18.72												
16	HQAM	1	37	18.75	18.75	18.83	20	2.5										
16	HQAM	1	74	18.75	18.96	18.83												
16	HQAM	36	0	18.77	18.80	18.78	20	2.5										
16	HQAM	36	20	18.75	18.83	18.83												
16	HQAM	36	39	18.82	18.86	18.77	20	2.5										
16	HQAM	75	0	18.81	18.94	18.73												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	21.28	21.42	21.20	22.5	0										
10	QPSK	1	25	21.30	21.32	21.26												
10	QPSK	1	49	21.32	21.25	21.30	22.5	0										
10	QPSK	25	0	21.33	21.32	21.30												
10	QPSK	25	12	21.25	21.37	21.33	22.5	0										
10	QPSK	25	12	21.32	21.27	21.28												
10	QPSK	50	0	21.29	21.35	21.33	22.5	0										
10	HQAM	1	0	21.24	21.26	21.26												
10	HQAM	1	36	21.35	21.36	21.35	22.5	0										
10	HQAM	1	49	21.28	21.36	21.27												
10	HQAM	1	8	21.25	21.28	21.25	22.5	0										
10	HQAM	25	12	21.25	21.28	21.25												
10	HQAM	25	25	21.30	21.34	21.40	22	0.5										
10	HQAM	50	0	21.37	21.24	21.22												
10	HQAM	1	25	21.24	21.26	21.37	22.5	0										
10	HQAM	25	0	20.76	20.84	20.76												
10	HQAM	25	0	20.85	20.83	20.75	22	0.5										
10	HQAM	25	12	20.74	20.87	20.76												
10	HQAM	25	25	20.84	20.86	20.75	20	2.5										
10	HQAM	1	0	18.72	18.83	18.85												
10	HQAM	1	25	18.75	18.89	18.81	20	2.5										
10	HQAM	1	49	18.75	18.99	18.81												
10	HQAM	25	0	18.79	18.85	18.74	20	2.5										
10	HQAM	25	12	18.72	18.83	18.83												
10	HQAM	25	25	18.89	18.92	18.85	20	2.5										
10	HQAM	50	0	18.80	18.87	18.77												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	21.26	21.40	21.29	22.5	0										
5	QPSK	1	12	21.30	21.31	21.24												
5	QPSK	1	24	21.34	21.25	21.28	22.5	0										
5	QPSK	12	0	21.29	21.32	21.30												
5	QPSK	12	6	21.23	21.36	21.31	22.5	0										
5	QPSK	12	13	21.25	21.25	21.34												
5	QPSK	25	0	21.39	21.34	21.31	22.5	0										
5	HQAM	1	0	21.30	21.27	21.24												
5	HQAM	1	0	21.34	21.23	21.33	22.5	0										
5	HQAM	1	12	21.33	21.29	21.33												
5	HQAM	1	14	21.29	21.31	21.24	22.5	0										
5	HQAM	8	0	21.35	21.24	21.26												
5	HQAM	8	6	21.30	21.27	21.32	22.5	0										
5	HQAM	8	7	21.24	21.38	21.31												
5	HQAM	15	0	21.23	21.30	21.31	22.5	0										
5	HQAM	15	0	21.32	21.32	21.33												
5	HQAM	1	0	21.35	21.33	21.30	22.5	0										
5	HQAM	1	14	21.33	21.29	21.33												
5	HQAM	8	0	20.89	20.83	20.81	22	0.5										
5	HQAM	8	4	20.82	20.95	20.83												
5	HQAM	15	0	20.85	20.79	20.72	20	2.5										
5	HQAM	15	0	20.96	20.98	20.86												
5	HQAM	1	0	18.80	18.83	18.84	20	2.5										
5	HQAM	1	12	18.79	18.89	18.72												
5	HQAM	1	14	18.79	18.87	18.81	20	2.5										
5	HQAM	8	0	18.85	18.83	18.77												
5	HQAM	8	6	18.86	18.88	18.74	20	2.5										
5	HQAM	8	7	18.80	18.81	18.77												
5	HQAM	15	0	18.86	18.91	18.75	20	2.5										
Channel																		
Frequency (MHz)																		
14	QPSK	1	0	21.32	21.35	21.30			22.5	0								
14	QPSK	1	8	21.31	21.31	21.31												
14	QPSK	1	16	21.25	21.28	21.24	22.5	0										
14	QPSK	3	0	21.32	21.27	21.28												
14	QPSK	3	8	21.34	21.27	21.24	22.5	0										
14	QPSK	3	4	21.32	21.34	21.33												
14	QPSK	15	0	21.30	21.34	21.31	22.5	0										
14	HQAM	1	0	21.30	21.31	21.29												
14	HQAM	1	0	21.37	21.34	21.26	22.5	0										
14	HQAM	1	8	21.35	21.29	21.34												
14	HQAM	1	16	21.32	21.32	21.24	22.5	0										
14	HQAM	3	0	21.42	21.41	21.35												
14	HQAM	3	8	21.39	21.36	21.34	22.5	0										
14	HQAM	3	1	21.23	21.35	21.35												
14	HQAM	3	3	21.31	21.42	21.35	22.5	0										
14	HQAM	3	7	21.36	21.36	21.32												
14	HQAM	3	0	21.29	21.32	21.22	22.5	0										
14	HQAM	3	1	21.35	21.25	21.24												
14	HQAM	3	8	21.30	21.31	21.29	22	0.5										
14	HQAM	6	0	20.85	20.85	20.81												
14	HQAM	1	0	18.76	18.86	18.73	20	2.5										
14	HQAM	1	8	18.76	18.88	18.74												
14	HQAM	1	8	18.75	18.89	18.74	20	2.5										
14	HQAM	3	0	18.81	18.81	18.73												
14	HQAM	3	0	18.77	18.86	18.73	20	2.5										
14	HQAM	3	3	18.89	18.84	18.74												
Channel																		
Frequency (MHz)																		

Band 25 Ant4 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.99	22.15	21.92	23	0				
20	QPSK	1	49	21.94	21.97	21.90						
20	QPSK	1	98	21.90	22.02	21.98						
20	QPSK	36	0	21.97	22.09	21.91	23	0				
20	QPSK	50	24	21.99	22.07	21.97						
20	QPSK	50	50	21.85	21.96	21.93						
20	QPSK	100	0	21.97	21.97	21.89	23	0				
20	16QAM	1	0	21.93	22.01	21.90						
20	16QAM	1	49	21.92	22.06	21.98						
20	16QAM	1	99	21.94	21.96	21.90	23	0				
20	16QAM	50	0	22.00	22.01	21.94						
20	16QAM	50	24	21.96	22.05	21.98						
20	16QAM	50	50	21.94	22.01	21.87	23	0				
20	16QAM	100	0	21.90	22.08	21.89						
20	16QAM	1	0	22.00	22.00	21.91	23	0				
20	16QAM	1	49	21.97	22.06	21.92						
20	16QAM	1	99	21.94	22.06	21.90						
20	16QAM	50	0	21.90	22.07	21.96	22	1				
20	16QAM	50	24	20.95	20.97	20.96						
20	16QAM	50	50	20.97	21.01	20.89						
20	16QAM	100	0	20.94	20.97	20.90	20	3				
20	256QAM	1	0	19.00	19.07	18.91						
20	256QAM	1	49	18.98	18.98	18.91						
20	256QAM	1	99	18.91	19.02	18.99	20	3				
20	256QAM	50	0	19.00	18.99	18.92						
20	256QAM	50	24	19.00	19.00	18.97						
20	256QAM	50	50	18.99	18.99	18.89	20	3				
20	256QAM	100	0	18.99	18.99	18.90						
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>												
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>												
15	QPSK	1	0	21.88	21.96	21.78	23	0				
15	QPSK	1	37	21.89	21.82	21.79						
15	QPSK	1	74	21.91	21.97	21.82						
15	QPSK	36	0	21.83	21.93	21.83	23	0				
15	QPSK	36	20	21.91	21.97	21.82						
15	QPSK	36	39	21.84	21.92	21.84						
15	QPSK	75	0	21.90	21.91	21.76	23	0				
15	16QAM	1	0	21.89	21.86	21.79						
15	16QAM	1	37	21.77	21.99	21.84						
15	16QAM	1	74	21.80	21.81	21.80	23	0				
15	16QAM	36	0	21.86	21.91	21.82						
15	16QAM	36	20	21.85	21.92	21.87						
15	16QAM	36	39	21.82	21.94	21.76	23	0				
15	16QAM	75	0	21.80	21.97	21.83						
15	16QAM	1	0	21.80	21.93	21.82						
15	16QAM	1	37	21.84	21.90	21.81	23	0				
15	16QAM	74	0	21.83	21.92	21.76						
15	16QAM	36	0	20.93	20.94	20.90						
15	16QAM	36	20	20.96	20.92	20.91	22	1				
15	16QAM	36	39	20.93	20.94	20.90						
15	16QAM	75	0	20.87	20.91	20.76						
15	256QAM	1	0	18.89	18.94	18.89	20	3				
15	256QAM	1	37	18.91	18.91	18.87						
15	256QAM	1	74	18.77	18.89	18.91						
15	256QAM	36	0	18.84	18.95	18.87	20	3				
15	256QAM	36	20	18.86	18.91	18.89						
15	256QAM	36	39	18.88	18.93	18.76						
15	256QAM	75	0	18.87	18.86	18.84	20	3				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>												
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>												
10	QPSK	1	0	21.86	21.91	21.83	23	0				
10	QPSK	1	25	21.80	21.90	21.83						
10	QPSK	1	49	21.86	21.96	21.80						
10	QPSK	25	0	21.90	21.88	21.80	23	0				
10	QPSK	25	12	21.84	22.03	21.91						
10	QPSK	25	25	21.77	21.92	21.80						
10	QPSK	50	0	21.93	21.86	21.82	23	0				
10	16QAM	1	0	21.89	21.96	21.76						
10	16QAM	1	25	21.82	22.04	21.79						
10	16QAM	1	49	21.87	21.82	21.83	23	0				
10	16QAM	25	0	21.86	21.99	21.81						
10	16QAM	25	12	21.88	21.99	21.89						
10	16QAM	25	25	21.86	21.92	21.83	23	0				
10	16QAM	50	0	21.80	21.93	21.80						
10	16QAM	1	0	21.91	21.95	21.77						
10	16QAM	1	25	21.86	22.01	21.78	23	0				
10	16QAM	75	0	21.79	21.99	21.76						
10	16QAM	25	0	20.94	20.93	20.89						
10	16QAM	25	12	20.86	20.85	20.82	22	1				
10	16QAM	25	25	20.91	20.94	20.82						
10	16QAM	50	0	20.82	20.95	20.84						
10	256QAM	1	0	18.92	18.97	18.76	20	3				
10	256QAM	1	25	18.87	18.92	18.76						
10	256QAM	1	49	18.77	18.97	18.89						
10	256QAM	25	0	18.86	18.84	18.82	20	3				
10	256QAM	25	12	18.90	18.90	18.82						
10	256QAM	25	25	18.86	18.85	18.85						
10	256QAM	50	0	18.82	18.89	18.81	20	3				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>												
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>												
5	QPSK	1	0	21.91	21.94	21.85	23	0				
5	QPSK	1	12	21.96	21.91	21.74						
5	QPSK	1	24	21.88	21.97	21.82						
5	QPSK	12	0	21.82	21.93	21.77	23	0				
5	QPSK	12	7	21.86	22.02	21.88						
5	QPSK	12	13	21.79	21.81	21.75						
5	QPSK	25	0	21.91	21.92	21.81	23	0				
5	16QAM	1	0	21.87	21.97	21.75						
5	16QAM	1	12	21.81	21.99	21.89						
5	16QAM	1	24	21.79	21.91	21.78	23	0				
5	16QAM	12	0	21.86	21.94	21.84						
5	16QAM	12	7	21.88	21.96	21.87						
5	16QAM	12	13	21.88	21.91	21.78	23	0				
5	16QAM	25	0	21.82	22.02	21.83						
5	16QAM	1	0	21.87	21.90	21.79						
5	16QAM	1	12	21.81	21.92	21.84	23	0				
5	16QAM	1	24	21.80	21.97	21.81						
5	16QAM	12	0	20.87	20.86	20.79						
5	16QAM	12	7	20.82	20.90	20.81	22	1				
5	16QAM	12	13	20.91	20.94	20.83						
5	16QAM	25	0	20.88	20.91	20.76						
5	256QAM	1	0	18.96	19.00	18.87	20	3				
5	256QAM	1	12	18.90	18							

Band 38 Ant4 DSI3													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	23.60	23.71	23.53	24.2	0					
20	QPSK	1	49	23.59	23.57	23.59							
20	QPSK	1	99	23.55	23.64	23.57	24.2	0					
20	QPSK	50	0	23.62	23.68	23.51							
20	QPSK	50	24	23.58	23.59	23.51	24.2	0					
20	QPSK	50	50	23.54	23.67	23.59							
20	QPSK	100	0	23.55	23.62	23.61	24.2	0					
20	16QAM	1	0	23.53	23.57	23.52							
20	16QAM	1	49	23.53	23.58	23.51	24.2	0					
20	16QAM	1	99	23.58	23.67	23.59							
20	16QAM	50	0	23.09	23.14	23.02	23.7	0.5					
20	16QAM	50	24	23.13	23.15	23.09							
20	16QAM	50	50	23.10	23.06	23.04	23.7	0.5					
20	16QAM	100	0	23.09	23.06	23.02							
20	64QAM	1	0	23.03	23.15	23.01	23.7	0.5					
20	64QAM	1	49	23.10	23.12	23.10							
20	64QAM	1	99	23.12	23.12	23.04	22.7	1.5					
20	64QAM	50	0	22.07	22.08	22.01							
20	64QAM	50	24	22.10	22.08	22.09	20.7	3.5					
20	64QAM	50	50	22.14	22.07	22.08							
20	256QAM	100	0	22.08	22.10	22.01	20.7	3.5					
20	256QAM	1	0	20.11	20.09	20.01							
20	256QAM	1	49	20.15	20.02	20.05	20.7	3.5					
20	256QAM	1	99	20.05	20.10	20.08							
20	256QAM	50	0	20.04	20.03	20.02	20.7	3.5					
20	256QAM	50	24	20.13	20.13	19.99							
20	256QAM	50	50	20.07	20.12	20.01	20.7	3.5					
20	256QAM	100	0	20.13	20.12	20.02							
Channel				37825	38000	38175							
Frequency (MHz)				2577.5	2595	2612.5							
15	QPSK	1	0	23.46	23.44	23.44	24.2	0					
15	QPSK	1	37	23.46	23.53	23.51							
15	QPSK	1	74	23.50	23.50	23.45	24.2	0					
15	QPSK	36	0	23.53	23.50	23.37							
15	QPSK	36	20	23.49	23.47	23.45	24.2	0					
15	QPSK	36	39	23.45	23.51	23.54							
15	QPSK	75	0	23.40	23.51	23.46	24.2	0					
15	16QAM	1	0	23.46	23.52	23.38							
15	16QAM	1	37	23.45	23.43	23.41	23.7	0.5					
15	16QAM	1	74	23.53	23.54	23.43							
15	16QAM	36	0	23.04	23.01	22.93	23.7	0.5					
15	16QAM	36	20	23.06	23.00	22.95							
15	16QAM	36	39	22.95	22.91	22.90	23.7	0.5					
15	16QAM	75	0	23.04	23.00	22.96							
15	64QAM	1	0	22.93	22.92	22.96	23.7	0.5					
15	64QAM	1	37	23.05	22.99	23.00							
15	64QAM	1	74	22.97	23.02	22.94	22.7	1.5					
15	64QAM	36	0	21.99	22.03	21.92							
15	64QAM	36	20	22.00	22.01	21.95	20.7	3.5					
15	64QAM	36	39	22.09	21.97	21.97							
15	64QAM	75	0	21.93	21.95	21.85	20.7	3.5					
15	256QAM	1	0	20.05	20.05	19.96							
15	256QAM	1	37	20.10	19.96	19.99	20.7	3.5					
15	256QAM	1	74	19.90	20.03	19.97							
15	256QAM	36	0	19.88	19.94	19.88	20.7	3.5					
15	256QAM	36	20	20.00	20.02	19.89							
15	256QAM	36	39	20.02	20.01	19.96	20.7	3.5					
15	256QAM	75	0	20.06	19.99	19.96							
Channel				37800	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	23.53	23.44	23.39	24.2	0					
10	QPSK	1	25	23.53	23.42	23.46							
10	QPSK	1	49	23.42	23.56	23.45	24.2	0					
10	QPSK	25	0	23.50	23.45	23.37							
10	QPSK	25	12	23.43	23.47	23.38	24.2	0					
10	QPSK	25	25	23.46	23.56	23.52							
10	QPSK	50	0	23.41	23.55	23.55	24.2	0					
10	16QAM	1	0	23.41	23.49	23.38							
10	16QAM	1	25	23.48	23.47	23.44	23.7	0.5					
10	16QAM	1	49	23.44	23.57	23.55							
10	16QAM	25	0	23.04	23.05	22.91	23.7	0.5					
10	16QAM	25	12	23.08	23.10	22.97							
10	16QAM	25	25	23.04	22.95	22.98	23.7	0.5					
10	16QAM	50	0	23.03	22.90	22.87							
10	64QAM	1	0	22.92	23.00	22.93	23.7	0.5					
10	64QAM	1	25	23.05	23.05	22.98							
10	64QAM	1	49	23.02	23.04	22.95	22.7	1.5					
10	64QAM	25	0	21.94	22.01	21.91							
10	64QAM	25	12	22.04	21.95	22.03	20.7	3.5					
10	64QAM	25	25	22.07	21.97	21.97							
10	64QAM	50	0	22.00	22.00	21.97	20.7	3.5					
10	256QAM	1	0	20.04	19.93	19.88							
10	256QAM	1	25	20.06	19.89	20.00	20.7	3.5					
10	256QAM	1	49	19.90	20.01	20.02							
10	256QAM	25	0	19.91	19.90	19.94	20.7	3.5					
10	256QAM	25	12	20.01	19.97	19.91							
10	256QAM	25	25	19.97	20.00	19.89	20.7	3.5					
10	256QAM	50	0	20.07	19.98	19.92							
Channel				37775	38000	38225							
Frequency (MHz)				2372.5	2395	2397.5							
5	QPSK	1	0	23.55	23.51	23.40	24.2	0					
5	QPSK	1	12	23.45	23.43	23.51							
5	QPSK	1	24	23.47	23.58	23.45	24.2	0					
5	QPSK	12	0	23.47	23.44	23.36							
5	QPSK	12	7	23.43	23.45	23.46	24.2	0					
5	QPSK	12	13	23.47	23.61	23.48							
5	QPSK	25	0	23.47	23.46	23.54	24.2	0					
5	16QAM	1	0	23.37	23.42	23.47							
5	16QAM	1	12	23.46	23.52	23.37	23.7	0.5					
5	16QAM	1	24	23.49	23.52	23.53							
5	16QAM	12	0	22.95	23.09	22.89	23.7	0.5					
5	16QAM	12	7	23.00	23.04	22.94							
5	16QAM	12	13	23.04	22.93	22.90	23.7	0.5					
5	16QAM	25	0	22.98	23.00	22.98							

Band 42 Ant4 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	22.37	22.51	22.29	23.2	0		
20	QPSK	1	49	22.37	22.41	22.38				
20	QPSK	1	99	22.41	22.45	22.33				
20	QPSK	50	0	22.34	22.44	22.33	23.2	0		
20	QPSK	50	24	22.40	22.37	22.31				
20	QPSK	50	50	22.34	22.36	22.32				
20	QPSK	100	0	22.45	22.46	22.40	23.2	0		
20	16QAM	1	0	22.45	22.37	22.38				
20	16QAM	1	49	22.37	22.45	22.35				
20	16QAM	1	99	22.44	22.45	22.35	23.2	0		
20	16QAM	50	0	22.41	22.41	22.41				
20	16QAM	50	24	22.36	22.47	22.39				
20	16QAM	50	50	22.36	22.42	22.31	23.2	0		
20	16QAM	100	0	22.36	22.46	22.33				
20	64QAM	1	0	22.34	22.46	22.30				
20	64QAM	1	49	22.33	22.45	22.33	23.2	0		
20	64QAM	1	99	22.42	22.47	22.30				
20	64QAM	50	0	21.93	21.89	21.82				
20	64QAM	50	24	21.94	21.94	21.81	22.7	0.5		
20	64QAM	50	50	21.94	21.92	21.80				
20	64QAM	100	0	21.83	21.90	21.79				
20	256QAM	1	0	19.94	19.98	19.89	20.7	2.5		
20	256QAM	1	49	19.94	19.88	19.82				
20	256QAM	1	99	19.90	19.87	19.89				
20	256QAM	50	0	19.84	19.93	19.89	20.7	2.5		
20	256QAM	50	24	19.88	19.95	19.88				
20	256QAM	50	50	19.89	19.91	19.90				
20	256QAM	100	0	19.87	19.96	19.80				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	22.25	22.27	22.14	23.2	0		
15	QPSK	1	37	22.27	22.35	22.31				
15	QPSK	1	74	22.33	22.31	22.21				
15	QPSK	36	0	22.19	22.29	22.18	23.2	0		
15	QPSK	36	20	22.29	22.30	22.17				
15	QPSK	36	39	22.27	22.29	22.20				
15	QPSK	75	0	22.36	22.27	22.26	23.2	0		
15	16QAM	1	0	22.38	22.27	22.24				
15	16QAM	1	37	22.27	22.38	22.24				
15	16QAM	1	74	22.33	22.39	22.19	23.2	0		
15	16QAM	36	0	22.33	22.34	22.27				
15	16QAM	36	20	22.31	22.34	22.34				
15	16QAM	36	39	22.23	22.31	22.24	23.2	0		
15	16QAM	75	0	22.23	22.39	22.20				
15	64QAM	1	0	22.24	22.33	22.26				
15	64QAM	1	37	22.21	22.34	22.25	23.2	0		
15	64QAM	1	74	22.38	22.35	22.21				
15	64QAM	36	0	21.87	21.77	21.73				
15	64QAM	36	20	21.89	21.79	21.73	22.7	0.5		
15	64QAM	36	39	21.78	21.78	21.64				
15	64QAM	75	0	21.70	21.75	21.69				
15	256QAM	1	0	19.87	19.91	19.78	20.7	2.5		
15	256QAM	1	37	19.96	19.76	19.67				
15	256QAM	1	74	19.80	19.74	19.82				
15	256QAM	36	0	19.79	19.84	19.84	20.7	2.5		
15	256QAM	36	20	19.81	19.86	19.80				
15	256QAM	36	39	19.78	19.79	19.82				
15	256QAM	75	0	19.71	19.81	19.75				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	22.29	22.31	22.22	23.2	0		
10	QPSK	1	25	22.25	22.35	22.24				
10	QPSK	1	49	22.25	22.34	22.17				
10	QPSK	25	0	22.22	22.32	22.29	23.2	0		
10	QPSK	25	12	22.29	22.27	22.25				
10	QPSK	25	25	22.21	22.28	22.17				
10	QPSK	50	0	22.37	22.32	22.32	23.2	0		
10	16QAM	1	0	22.40	22.28	22.32				
10	16QAM	1	25	22.28	22.33	22.26				
10	16QAM	1	49	22.29	22.33	22.29	23.2	0		
10	16QAM	25	0	22.29	22.32	22.32				
10	16QAM	25	12	22.24	22.34	22.32				
10	16QAM	25	25	22.20	22.29	22.23	23.2	0		
10	16QAM	50	0	22.25	22.40	22.22				
10	64QAM	1	0	22.27	22.34	22.25				
10	64QAM	1	25	22.24	22.31	22.20	23.2	0		
10	64QAM	1	49	22.28	22.35	22.23				
10	64QAM	25	0	21.78	21.81	21.75				
10	64QAM	25	12	21.84	21.82	21.77	22.7	0.5		
10	64QAM	25	25	21.85	21.84	21.75				
10	64QAM	50	0	21.78	21.81	21.74				
10	256QAM	1	0	19.87	19.87	19.71	20.7	2.5		
10	256QAM	1	25	19.88	19.72	19.77				
10	256QAM	1	49	19.82	19.72	19.79				
10	256QAM	25	0	19.76	19.86	19.74	20.7	2.5		
10	256QAM	25	12	19.75	19.87	19.83				
10	256QAM	25	25	19.80	19.80	19.85				
10	256QAM	50	0	19.74	19.83	19.75				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	22.22	22.30	22.21	23.2	0		
5	QPSK	1	12	22.26	22.37	22.33				
5	QPSK	1	24	22.31	22.35	22.19				
5	QPSK	12	0	22.25	22.30	22.24	23.2	0		
5	QPSK	12	7	22.30	22.30	22.22				
5	QPSK	12	13	22.29	22.22	22.22				
5	QPSK	25	0	22.39	22.27	22.27	23.2	0		
5	16QAM	1	0	22.34	22.23	22.29				
5	16QAM	1	12	22.27	22.40	22.21				
5	16QAM	1	24	22.38	22.38	22.25	23.2	0		
5	16QAM	12	0	22.28	22.31	22.26				
5	16QAM	12	7	22.29	22.40	22.28				
5	16QAM	12	13	22.27	22.31	22.19	23.2	0		
5	16QAM	25	0	22.22	22.39	22.24				
5	64QAM	1	0	22.25	22.32	22.17				
5	64QAM	1	12	22.27	22.35	22.25	23.2	0		
5	64QAM	1	24	22.34	22.38	22.25				
5	64QAM	12	0	21.84	21.75	21.74	22.7	0.5		
5	64QAM	12	7	21.88	21.87	21.65				
5	64QAM	12	13	21.83	21.84	21.69				
5	64QAM	25	0	21.73	21.83	21.72	20.7	2.5		
5	16QAM	1	0	19.88	19.86	19.82				
5	256QAM	1	12	19.80	19.72	19.76				
5	256QAM	1	24	19.74	19.71	19.73	20.7	2.5		
5	256QAM	12	0	19.75	19.82	19.79				
5	256QAM	12	7	19.82	19.86	19.83				
5	256QAM	25	0	19.79	19.79	19.79				
5	256QAM	25	0	19.72	19.82	19.73				

GSM1900 Ants	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1869.8	1850.2	1860	1869.8		
GSM 1 Tx slot	30.02	30.12	30.08	31.40	21.02	21.12	21.08	22.40
GPRS 1 Tx slot	29.99	30.10	30.05	31.40	20.99	21.10	21.05	22.40
GPRS 2 Tx slots	26.95	27.08	27.03	28.40	20.95	21.08	21.03	22.40
GPRS 3 Tx slots	25.21	25.34	25.26	26.60	20.95	21.08	21.00	22.34
GPRS 4 Tx slots	23.96	24.06	23.99	25.40	20.96	21.06	20.99	22.40
EDGE 1 Tx slot	25.31	25.36	25.30	26.70	16.31	16.36	16.30	17.70
EDGE 2 Tx slots	22.34	22.45	22.40	23.70	16.34	16.45	16.40	17.70
EDGE 3 Tx slots	20.44	20.59	20.53	21.90	16.18	16.33	16.27	17.64
EDGE 4 Tx slots	19.28	19.36	19.35	20.70	16.28	16.36	16.35	17.70

Band	WCDMA V Ants			Tune-up Limit (dBm)	WCDMA IV Ants			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1527.4	1530	1507.6	1527.4	1727.4	1727.4	1727.4	
3GPP Rel 99 AMR 12.2Kbps	21.45	21.40	21.38	22.70	21.42	21.47	21.42	22.70
3GPP Rel 99 RMC 12.2Kbps	21.45	21.48	21.34	22.70	21.43	21.52	21.48	22.70
3GPP Rel 6 HSDPA Subtest-1	20.41	20.46	20.30	21.70	20.96	20.51	20.29	21.70
3GPP Rel 6 HSDPA Subtest-2	20.48	20.60	20.40	21.70	20.99	20.47	20.33	21.70
3GPP Rel 6 HSDPA Subtest-3	19.93	20.01	19.84	21.20	19.91	20.07	19.87	21.20
3GPP Rel 6 HSDPA Subtest-4	20.02	19.94	19.79	21.20	19.95	20.10	19.78	21.20
3GPP Rel 6 DC-HSDPA Subtest-1	20.48	20.45	20.40	21.70	20.49	20.57	20.36	21.70
3GPP Rel 6 DC-HSDPA Subtest-2	20.39	20.47	20.40	21.70	20.54	20.53	20.35	21.70
3GPP Rel 6 DC-HSDPA Subtest-3	19.96	20.05	19.82	21.20	19.99	19.99	19.78	21.20
3GPP Rel 6 DC-HSDPA Subtest-4	19.90	20.13	19.89	21.20	19.97	19.98	19.82	21.20
3GPP Rel 6 HSUPA Subtest-1	20.50	20.51	20.37	21.70	20.56	20.58	20.30	21.70
3GPP Rel 6 HSUPA Subtest-2	18.50	18.59	18.43	19.70	18.42	18.52	18.36	19.70
3GPP Rel 6 HSUPA Subtest-3	19.41	19.59	19.38	20.70	19.44	19.44	19.35	20.70
3GPP Rel 6 HSUPA Subtest-4	18.50	18.58	18.36	19.70	18.55	18.50	18.38	19.70
3GPP Rel 6 HSUPA Subtest-5	20.43	20.49	20.42	21.70	20.47	20.40	20.27	21.70
3GPP Rel 7 HSPA+ (TTCM) Subtest-1	17.96	18.00	17.87	16.70	17.87	17.93	17.87	16.70

Band 2 Ant5 DSI3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Freq	Power Ch / Freq	Power High Freq	Turn-up Int (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.51	21.05	21.50	22.8	0						
20	QPSK	1	49	21.55	21.63	21.48								
20	QPSK	1	98	21.53	21.55	21.59								
20	QPSK	50	0	21.50	21.61	21.52								
20	QPSK	50	24	21.53	21.58	21.52	22.8	0						
20	QPSK	50	50	21.48	21.51	21.47								
20	QPSK	100	0	21.56	21.58	21.58								
20	QPSK	100	0	21.53	21.62	21.53								
20	HQAM	1	0	21.53	21.61	21.54	22.8	0						
20	HQAM	1	99	21.55	21.61	21.58								
20	HQAM	50	0	21.55	21.58	21.59								
20	HQAM	50	24	21.54	21.60	21.52								
20	HQAM	100	0	21.54	21.60	21.49	22.8	0						
20	HQAM	100	0	21.54	21.59	21.58								
20	HQAM	1	99	21.52	21.56	21.49								
20	HQAM	50	0	20.55	20.62	20.59								
20	HQAM	50	24	20.53	20.63	20.50	21.6	1						
20	HQAM	50	50	20.48	20.52	20.52								
20	HQAM	100	0	20.57	20.56	20.54								
20	25QAM	1	0	18.51	18.52	18.50								
20	25QAM	1	49	18.46	18.48	18.48	19.8	3						
20	25QAM	1	99	18.46	18.54	18.49								
20	25QAM	50	0	18.50	18.60	18.52								
20	25QAM	50	24	18.46	18.60	18.58								
20	25QAM	100	0	18.49	18.62	18.50	19.8	3						
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.675	18.666	18.625			22.8	0				
15	QPSK	1	37	21.37	21.38	21.45								
15	QPSK	1	74	21.37	21.46	21.44								
15	QPSK	36	0	21.43	21.43	21.39								
15	QPSK	36	20	21.41	21.52	21.39	22.8	0						
15	QPSK	36	36	21.37	21.37	21.31								
15	QPSK	75	0	21.51	21.47	21.44								
15	HQAM	1	0	21.44	21.52	21.42								
15	HQAM	1	37	21.47	21.54	21.47	22.8	0						
15	HQAM	1	74	21.48	21.55	21.50								
15	HQAM	36	0	21.46	21.48	21.50								
15	HQAM	36	20	21.47	21.50	21.47								
15	HQAM	36	39	21.40	21.55	21.44	22.8	0						
15	HQAM	75	0	21.45	21.50	21.35								
15	HQAM	75	0	21.42	21.50	21.50								
15	HQAM	1	37	21.50	21.53	21.40								
15	HQAM	1	74	21.46	21.52	21.35	22.8	0						
15	HQAM	36	0	20.50	20.49	20.44								
15	HQAM	36	20	20.47	20.52	20.50								
15	HQAM	36	39	20.39	20.42	20.45								
15	HQAM	75	0	20.51	20.46	20.45	21.6	1						
15	HQAM	75	0	18.44	18.39	18.40								
15	25QAM	1	0	18.44	18.52	18.43								
15	25QAM	1	37	18.35	18.43	18.43								
15	25QAM	36	0	18.45	18.53	18.42	19.8	3						
15	25QAM	36	20	18.35	18.45	18.43								
15	25QAM	36	39	18.35	18.45	18.43								
15	25QAM	75	0	18.33	18.47	18.40								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.36	21.41	21.39	22.8	0						
10	QPSK	1	25	21.50	21.49	21.41								
10	QPSK	49	0	21.42	21.46	21.44								
10	QPSK	25	0	21.46	21.52	21.42								
10	QPSK	25	12	21.38	21.53	21.41	22.8	0						
10	QPSK	50	0	21.36	21.47	21.39								
10	QPSK	50	0	21.40	21.39	21.40								
10	HQAM	1	0	21.40	21.54	21.45								
10	HQAM	1	49	21.47	21.55	21.44	22.8	0						
10	HQAM	1	49	21.44	21.45	21.53								
10	HQAM	25	0	21.44	21.45	21.50								
10	HQAM	25	12	21.40	21.41	21.45								
10	HQAM	25	25	21.38	21.55	21.39	22.8	0						
10	HQAM	50	0	21.40	21.45	21.45								
10	HQAM	50	0	21.42	21.53	21.43								
10	HQAM	1	25	21.47	21.50	21.44								
10	HQAM	1	49	20.45	20.46	20.49	21.6	1						
10	HQAM	25	12	20.38	20.57	20.43								
10	HQAM	25	25	20.43	20.51	20.47								
10	HQAM	50	0	20.43	20.51	20.47								
10	25QAM	1	0	18.39	18.40	18.54	19.8	3						
10	25QAM	1	25	18.35	18.41	18.36								
10	25QAM	25	0	18.42	18.50	18.44								
10	25QAM	25	12	18.35	18.53	18.41								
10	25QAM	25	25	18.38	18.58	18.44	19.8	3						
10	25QAM	50	0	18.33	18.46	18.37								
Channel														
Frequency (MHz)														
5	QPSK	1	0	18.625	18.660	18.625	22.8	0						
5	QPSK	1	5	21.44	21.38	21.37								
5	QPSK	1	24	21.42	21.48	21.51								
5	QPSK	12	0	21.41	21.43	21.48								
5	QPSK	12	7	21.44	21.50	21.46	22.8	0						
5	QPSK	12	13	21.44	21.39	21.42								
5	QPSK	25	0	21.50	21.47	21.45								
5	HQAM	1	0	21.42	21.55	21.45								
5	HQAM	1	12	21.42	21.45	21.44	22.8	0						
5	HQAM	1	24	21.41	21.55	21.49								
5	HQAM	12	7	21.40	21.45	21.45								
5	HQAM	12	7	21.51	21.42	21.50								
5	HQAM	12	13	21.38	21.54	21.42	22.8	0						
5	HQAM	25	0	21.47	21.52	21.45								
5	HQAM	25	0	21.41	21.57	21.42								
5	HQAM	1	12	21.46	21.49	21.43								
5	HQAM	12	0	20.45	20.43	20.45	21.6	1						
5	HQAM	12	0	20.48	20.53	20.49								
5	HQAM	12	7	20.40	20.55	20.41								
5	HQAM	13	0	20.33	20.36	20.45								
5	HQAM	25	0	20.51	20.49	20.49	19.8	3						
5	25QAM	1	0	18.36	18.38	18.48								
5	25QAM	1	12	18.34	18.47	18.40								
5	25QAM	1	14	18.34	18.41	18.40								
5	25QAM	12	0	18.41	18.46	18.36	19.8							

Band 25 Ant5 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mch Ch / Freq	Power High Ch / Freq	Time-up limit (min)	MFR (dB)				
Channel				26140	26340	26590						
Frequency (MHz)				26140	26340	26590						
20	QPSK	1	0	19.98	20.21	20.07	21.2	0				
20	QPSK	1	49	20.04	20.07	20.09						
20	QPSK	1	98	19.98	20.04	20.07						
20	QPSK	50	0	20.02	20.15	20.03	21.2	0				
20	QPSK	50	24	20.02	20.07	20.06						
20	QPSK	50	49	20.07	20.09	20.06						
20	QPSK	100	0	20.05	20.08	20.07	21.2	0				
20	16QAM	1	0	19.98	20.08	20.11						
20	16QAM	1	49	20.02	20.03	20.01						
20	16QAM	1	98	20.07	20.13	20.03	21.2	0				
20	16QAM	50	0	19.99	20.05	20.05						
20	16QAM	50	24	19.97	20.02	20.07						
20	16QAM	50	50	19.96	20.05	20.03	21.2	0				
20	16QAM	100	0	20.04	20.14	20.02						
20	16QAM	100	50	20.08	20.04	20.02						
20	84QAM	1	49	19.96	20.02	20.12	21.2	0				
20	84QAM	1	99	19.96	20.09	20.06						
20	84QAM	50	0	20.01	20.09	20.05						
20	84QAM	50	24	20.05	20.08	20.01	21.2	0				
20	84QAM	50	50	20.01	20.11	20.05						
20	84QAM	100	0	20.08	20.04	20.02						
20	256QAM	1	0	18.88	18.82	18.82	19.7	1.5				
20	256QAM	1	49	18.90	18.83	18.85						
20	256QAM	1	99	18.90	18.84	18.83						
20	256QAM	50	0	18.87	18.88	18.88	19.7	1.5				
20	256QAM	50	24	18.81	18.83	18.85						
20	256QAM	50	50	18.96	18.81	18.89						
20	256QAM	100	0	18.95	18.84	18.87	Time-up limit (min)	MFR (dB)				
Channel				18915	18930	18915						
Frequency (MHz)				18915	18930	18915						
15	QPSK	1	0	19.93	20.00	19.93	21.2	0				
15	QPSK	1	37	19.98	19.98	20.03						
15	QPSK	1	74	19.98	20.00	20.03						
15	QPSK	36	0	19.97	19.99	19.95	21.2	0				
15	QPSK	36	20	19.96	19.94	19.91						
15	QPSK	36	36	20.00	19.94	20.05						
15	QPSK	75	0	19.98	19.95	19.95	21.2	0				
15	16QAM	1	0	19.95	20.03	19.98						
15	16QAM	1	37	19.93	19.94	19.95						
15	16QAM	1	74	19.96	20.04	19.94	21.2	0				
15	16QAM	36	0	19.95	19.93	19.90						
15	16QAM	36	20	19.90	19.98	19.91						
15	16QAM	36	36	19.93	19.92	19.94	21.2	0				
15	16QAM	75	0	20.00	20.08	19.92						
15	84QAM	1	0	19.94	19.98	20.01						
15	84QAM	1	37	19.95	19.94	20.02	21.2	0				
15	84QAM	1	74	19.91	19.97	19.95						
15	84QAM	36	0	19.92	19.93	19.93						
15	84QAM	36	20	19.95	19.95	19.97	21.2	0				
15	84QAM	36	36	19.96	19.96	19.97						
15	84QAM	75	0	19.98	19.95	19.94						
15	256QAM	1	0	18.43	18.58	18.58	19.7	1.5				
15	256QAM	1	37	18.39	18.40	18.45						
15	256QAM	1	74	18.40	18.40	18.43						
15	256QAM	36	0	18.47	18.50	18.42	19.7	1.5				
15	256QAM	36	20	18.36	18.47	18.45						
15	256QAM	36	36	18.42	18.55	18.51						
15	256QAM	75	0	18.50	18.44	18.45	Time-up limit (min)	MFR (dB)				
Channel				18915	18930	18915						
Frequency (MHz)				18915	18930	18915						
10	QPSK	1	0	19.82	19.98	19.96	21.2	0				
10	QPSK	1	25	19.98	19.97	20.01						
10	QPSK	1	49	19.95	20.02	19.94						
10	QPSK	25	0	19.94	19.94	19.96	21.2	0				
10	QPSK	25	12	19.89	19.93	19.92						
10	QPSK	25	25	19.94	20.03	19.99						
10	QPSK	50	0	19.97	19.93	20.01	21.2	0				
10	16QAM	1	0	19.94	20.00	19.97						
10	16QAM	1	25	19.91	19.96	19.90						
10	16QAM	1	49	19.96	20.01	19.88	21.2	0				
10	16QAM	25	0	19.95	19.99	19.94						
10	16QAM	25	12	19.93	19.97	20.02						
10	16QAM	25	25	19.88	19.90	19.96	21.2	0				
10	16QAM	50	0	19.93	20.01	19.98						
10	16QAM	50	0	20.02	20.06	20.04						
10	84QAM	1	25	19.88	19.98	20.04	21.2	0				
10	84QAM	1	49	19.95	19.95	19.95						
10	84QAM	25	0	19.93	19.95	19.93						
10	84QAM	25	12	19.92	20.02	19.88	21.2	0				
10	84QAM	25	25	19.86	20.00	19.99						
10	84QAM	50	0	20.03	19.94	19.95						
10	256QAM	1	0	18.47	18.52	18.42	19.7	1.5				
10	256QAM	1	25	18.45	18.46	18.42						
10	256QAM	1	49	18.34	18.24	18.27						
10	256QAM	25	0	18.48	18.45	18.52	19.7	1.5				
10	256QAM	25	12	18.43	18.36	18.47						
10	256QAM	25	25	18.50	18.51	18.54						
10	256QAM	50	0	18.39	18.48	18.52	Time-up limit (min)	MFR (dB)				
Channel				18915	18930	18915						
Frequency (MHz)				18915	18930	18915						
5	QPSK	1	0	19.86	20.05	19.96	21.2	0				
5	QPSK	1	12	19.93	19.96	19.99						
5	QPSK	1	24	19.85	20.05	19.89						
5	QPSK	12	0	19.95	19.98	19.97	21.2	0				
5	QPSK	12	7	19.96	19.92	19.91						
5	QPSK	12	13	20.03	19.95	20.03						
5	QPSK	25	0	19.93	20.01	19.91	21.2	0				
5	16QAM	1	0	19.91	20.00	19.90						
5	16QAM	1	12	19.92	19.96	19.94						
5	16QAM	1	24	20.00	20.07	19.96	21.2	0				
5	16QAM	12	0	19.86	19.94	20.00						
5	16QAM	12	7	19.92	20.00	20.00						
5	16QAM	12	13	19.94	20.01	19.94	21.2	0				
5	16QAM	25	0	19.89	20.00	19.97						
5	84QAM	1	0	19.99	19.99	20.03						
5	84QAM	1	12	19.87	19.98	20.06	21.2	0				
5	84QAM	1	24	19.86	19.94	19.96						
5	84QAM	12	0	19.89	19.93	19.97						
5	84QAM	12	7	19.93	19.96	19.95	21.2	0				
5	84QAM	12	13	19.85	20.00	19.95						
5	84QAM	25	0	20.02	19.98	19.93						
5	256											

Band 38 Ant5 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				37850	38000	38150				
20	QPSK	1	0	20.55	20.75	20.49	21.5	0		
20	QPSK	1	49	20.54	20.60	20.56				
20	QPSK	1	99	20.57	20.68	20.61				
20	QPSK	50	0	20.53	20.67	20.57	21.5	0		
20	QPSK	50	24	20.65	20.63	20.56				
20	QPSK	50	50	20.59	20.67	20.56				
20	QPSK	100	0	20.62	20.63	20.58	21.5	0		
20	16QAM	1	0	20.57	20.60	20.55				
20	16QAM	1	49	20.55	20.69	20.54				
20	16QAM	1	99	20.59	20.64	20.52	21.5	0		
20	16QAM	50	0	20.58	20.62	20.61				
20	16QAM	50	24	20.57	20.61	20.60				
20	16QAM	50	50	20.56	20.67	20.52	21.5	0		
20	16QAM	100	0	20.57	20.71	20.57				
20	64QAM	1	0	20.61	20.67	20.55				
20	64QAM	1	49	20.63	20.64	20.51	21.5	0		
20	64QAM	1	99	20.59	20.71	20.60				
20	64QAM	50	0	20.55	20.61	20.52				
20	64QAM	50	24	20.62	20.62	20.51	21.5	0		
20	64QAM	50	50	20.62	20.67	20.53				
20	64QAM	100	0	20.56	20.62	20.58				
20	256QAM	1	0	19.63	19.65	19.52	20.5	1		
20	256QAM	1	49	19.53	19.69	19.61				
20	256QAM	1	99	19.55	19.62	19.54				
20	256QAM	50	0	19.54	19.64	19.58	20.5	1		
20	256QAM	50	24	19.65	19.71	19.56				
20	256QAM	50	50	19.63	19.67	19.52				
20	256QAM	100	0	19.60	19.70	19.59				
Channel Frequency (MHz)				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.50	20.57	20.36	21.5	0		
15	QPSK	1	37	20.45	20.51	20.50				
15	QPSK	1	74	20.46	20.58	20.54				
15	QPSK	36	0	20.39	20.51	20.47	21.5	0		
15	QPSK	36	20	20.58	20.51	20.40				
15	QPSK	36	39	20.55	20.52	20.44				
15	QPSK	75	0	20.51	20.49	20.49	21.5	0		
15	16QAM	1	0	20.44	20.46	20.49				
15	16QAM	1	37	20.41	20.60	20.42				
15	16QAM	1	74	20.54	20.51	20.48	21.5	0		
15	16QAM	36	0	20.46	20.58	20.54				
15	16QAM	36	20	20.44	20.56	20.54				
15	16QAM	36	39	20.49	20.62	20.40	21.5	0		
15	16QAM	75	0	20.42	20.58	20.44				
15	64QAM	1	0	20.53	20.51	20.46				
15	64QAM	1	37	20.53	20.58	20.47	21.5	0		
15	64QAM	1	74	20.52	20.57	20.47				
15	64QAM	36	0	20.51	20.50	20.38				
15	64QAM	36	20	20.56	20.50	20.46	21.5	0		
15	64QAM	36	39	20.50	20.57	20.47				
15	64QAM	75	0	20.51	20.48	20.45				
15	256QAM	1	0	19.51	19.50	19.36	20.5	1		
15	256QAM	1	37	19.39	19.62	19.52				
15	256QAM	1	74	19.40	19.50	19.48				
15	256QAM	36	0	19.40	19.52	19.48	20.5	1		
15	256QAM	36	20	19.49	19.64	19.47				
15	256QAM	36	39	19.55	19.62	19.47				
15	256QAM	75	0	19.50	19.54	19.43				
Channel Frequency (MHz)				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.40	20.59	20.38	21.5	0		
10	QPSK	1	25	20.45	20.51	20.45				
10	QPSK	1	49	20.50	20.53	20.53				
10	QPSK	25	0	20.48	20.56	20.51	21.5	0		
10	QPSK	25	12	20.53	20.55	20.44				
10	QPSK	25	25	20.52	20.59	20.51				
10	QPSK	50	0	20.55	20.49	20.53	21.5	0		
10	16QAM	1	0	20.53	20.55	20.48				
10	16QAM	1	25	20.45	20.64	20.43				
10	16QAM	1	49	20.48	20.54	20.38	21.5	0		
10	16QAM	25	0	20.52	20.51	20.50				
10	16QAM	25	12	20.41	20.53	20.50				
10	16QAM	25	25	20.48	20.54	20.46	21.5	0		
10	16QAM	50	0	20.50	20.65	20.52				
10	64QAM	1	0	20.51	20.52	20.42				
10	64QAM	1	25	20.48	20.55	20.41	21.5	0		
10	64QAM	1	49	20.48	20.65	20.54				
10	64QAM	25	0	20.42	20.57	20.40				
10	64QAM	25	12	20.50	20.53	20.40	21.5	0		
10	64QAM	25	25	20.51	20.51	20.41				
10	64QAM	50	0	20.43	20.47	20.44				
10	256QAM	1	0	19.58	19.52	19.41	20.5	1		
10	256QAM	1	25	19.39	19.61	19.45				
10	256QAM	1	49	19.44	19.51	19.46				
10	256QAM	25	0	19.44	19.51	19.47	20.5	1		
10	256QAM	25	12	19.52	19.66	19.44				
10	256QAM	25	25	19.49	19.56	19.43				
10	256QAM	50	0	19.45	19.60	19.47				
Channel Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	20.41	20.57	20.40	21.5	0		
5	QPSK	1	12	20.38	20.50	20.45				
5	QPSK	1	24	20.41	20.57	20.47				
5	QPSK	12	0	20.38	20.55	20.49	21.5	0		
5	QPSK	12	7	20.51	20.52	20.42				
5	QPSK	12	13	20.46	20.61	20.43				
5	QPSK	25	0	20.49	20.47	20.51	21.5	0		
5	16QAM	1	0	20.51	20.44	20.46				
5	16QAM	1	12	20.40	20.59	20.49				
5	16QAM	1	24	20.47	20.53	20.39	21.5	0		
5	16QAM	12	0	20.46	20.50	20.52				
5	16QAM	12	7	20.44	20.45	20.47				
5	16QAM	12	13	20.42	20.56	20.42	21.5	0		
5	16QAM	25	0	20.43	20.55	20.42				
5	64QAM	1	0	20.47	20.58	20.49				
5	64QAM	1	12	20.57	20.58	20.39	21.5	0		
5	64QAM	1	24	20.49	20.58	20.45				
5	64QAM	12	0	20.41	20.52	20.38				
5	64QAM	12	7	20.50	20.47	20.38	21.5	0		
5	64QAM	12	13	20.53	20.57	20.38				
5	64QAM	25	0	20.51	20.54	20.48				
5	256QAM	1	0	19.50	19.53	19.37	20.5	1		
5	256QAM	1	12	19.42	19.58	19.50				
5	256QAM	1	24	19.49	19.48	19.42				
5	256QAM	12	0	19.38	19.54	19.53	20.5	1		
5	256QAM	12	7	19.59	19.64	19.44				
5	256QAM	12	13	19.58	19.67	19.43				
5	256QAM	25	0	19.51	19.65	19.53				

Band 42 Ant5 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	20.73	20.88	20.74	21.5	0		
20	QPSK	1	49	20.66	20.83	20.79				
20	QPSK	1	99	20.76	20.79	20.72				
20	QPSK	50	0	20.70	20.83	20.71				
20	QPSK	50	24	20.67	20.78	20.76	21.5	0		
20	QPSK	50	50	20.76	20.80	20.75				
20	QPSK	100	0	20.76	20.80	20.74				
20	16QAM	1	0	20.65	20.79	20.70				
20	16QAM	1	49	20.76	20.73	20.70	21.5	0		
20	16QAM	1	99	20.70	20.84	20.69				
20	16QAM	50	0	20.75	20.76	20.84				
20	16QAM	50	24	20.65	20.81	20.72				
20	16QAM	50	50	20.70	20.83	20.78	21.5	0		
20	16QAM	100	0	20.74	20.77	20.76				
20	64QAM	1	0	20.67	20.85	20.78				
20	64QAM	1	49	20.76	20.75	20.76				
20	64QAM	1	99	20.75	20.74	20.77	21.5	0		
20	64QAM	50	0	20.74	20.79	20.75				
20	64QAM	50	24	20.68	20.78	20.78				
20	64QAM	50	50	20.72	20.81	20.72				
20	64QAM	100	0	20.71	20.82	20.69	21.5	0		
20	256QAM	1	0	19.69	19.84	19.84				
20	256QAM	1	49	19.73	19.75	19.70				
20	256QAM	1	99	19.73	19.74	19.76				
20	256QAM	50	0	19.73	19.84	19.79	20.5	1		
20	256QAM	50	24	19.70	19.81	19.77				
20	256QAM	50	50	19.76	19.84	19.72				
20	256QAM	100	0	19.72	19.78	19.76				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.60	20.64	20.65	21.5	0		
15	QPSK	1	37	20.55	20.73	20.64				
15	QPSK	1	74	20.65	20.68	20.66				
15	QPSK	36	0	20.62	20.78	20.56				
15	QPSK	36	20	20.55	20.73	20.74	21.5	0		
15	QPSK	36	39	20.65	20.69	20.69				
15	QPSK	75	0	20.68	20.75	20.60				
15	16QAM	1	0	20.57	20.67	20.60				
15	16QAM	1	37	20.71	20.67	20.66	21.5	0		
15	16QAM	1	74	20.54	20.72	20.59				
15	16QAM	36	0	20.60	20.71	20.63				
15	16QAM	36	20	20.65	20.71	20.57				
15	16QAM	36	39	20.58	20.74	20.71	21.5	0		
15	16QAM	75	0	20.58	20.68	20.62				
15	64QAM	1	0	20.51	20.76	20.69				
15	64QAM	1	37	20.61	20.62	20.70				
15	64QAM	1	74	20.70	20.65	20.65	21.5	0		
15	64QAM	36	0	20.69	20.69	20.66				
15	64QAM	36	20	20.53	20.65	20.70				
15	64QAM	36	39	20.67	20.76	20.66				
15	64QAM	75	0	20.59	20.68	20.63	21.5	0		
15	256QAM	1	0	19.56	19.73	19.70				
15	256QAM	1	37	19.67	19.64	19.54				
15	256QAM	1	74	19.67	19.70	19.71				
15	256QAM	36	0	19.62	19.72	19.61	20.5	1		
15	256QAM	36	20	19.56	19.67	19.61				
15	256QAM	36	39	19.64	19.77	19.65				
15	256QAM	75	0	19.59	19.63	19.63				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3453	3500	3547				
10	QPSK	1	0	20.63	20.61	20.68	21.5	0		
10	QPSK	1	25	20.59	20.77	20.70				
10	QPSK	1	49	20.69	20.73	20.66				
10	QPSK	25	0	20.61	20.70	20.57				
10	QPSK	25	12	20.61	20.63	20.64	21.5	0		
10	QPSK	25	25	20.64	20.69	20.67				
10	QPSK	50	0	20.61	20.67	20.68				
10	16QAM	1	0	20.51	20.65	20.54				
10	16QAM	1	25	20.70	20.67	20.63	21.5	0		
10	16QAM	1	49	20.60	20.68	20.61				
10	16QAM	25	0	20.68	20.75	20.61				
10	16QAM	25	12	20.57	20.69	20.63				
10	16QAM	25	25	20.54	20.68	20.67	21.5	0		
10	16QAM	50	0	20.69	20.67	20.63				
10	64QAM	1	0	20.53	20.72	20.68				
10	64QAM	1	25	20.69	20.70	20.68				
10	64QAM	1	49	20.66	20.68	20.72	21.5	0		
10	64QAM	25	0	20.65	20.65	20.70				
10	64QAM	25	12	20.52	20.65	20.66				
10	64QAM	25	25	20.60	20.76	20.65				
10	64QAM	50	0	20.60	20.73	20.64	21.5	0		
10	256QAM	1	0	19.58	19.70	19.63				
10	256QAM	1	25	19.58	19.66	19.65				
10	256QAM	1	49	19.60	19.63	19.65				
10	256QAM	25	0	19.61	19.71	19.64	20.5	1		
10	256QAM	25	12	19.66	19.70	19.63				
10	256QAM	25	25	19.65	19.71	19.67				
10	256QAM	50	0	19.56	19.71	19.65				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.61	20.60	20.61	21.5	0		
5	QPSK	1	12	20.58	20.78	20.66				
5	QPSK	1	24	20.70	20.69	20.62				
5	QPSK	12	0	20.62	20.69	20.66				
5	QPSK	12	7	20.56	20.70	20.71	21.5	0		
5	QPSK	12	13	20.70	20.67	20.63				
5	QPSK	25	0	20.64	20.65	20.68				
5	16QAM	1	0	20.52	20.64	20.55				
5	16QAM	1	12	20.67	20.61	20.55	21.5	0		
5	16QAM	1	24	20.61	20.74	20.63				
5	16QAM	12	0	20.68	20.72	20.66				
5	16QAM	12	7	20.54	20.71	20.64				
5	16QAM	12	13	20.60	20.70	20.67	21.5	0		
5	16QAM	25	0	20.66	20.67	20.63				
5	64QAM	1	0	20.62	20.74	20.65				
5	64QAM	1	12	20.70	20.63	20.62				
5	64QAM	1	24	20.60	20.67	20.67	21.5	0		
5	64QAM	12	0	20.62	20.73	20.69				
5	64QAM	12	7	20.59	20.63	20.70				
5	64QAM	12	13	20.57	20.67	20.64				
5	64QAM	25	0	20.63	20.76	20.53	20.5	1		
5	256QAM	1	0	19.60	19.78	19.68				
5	256QAM	1	12	19.66	19.67	19.65				
5	256QAM	1	24	19.63	19.63	19.64				
5	256QAM	12	0	19.62	19.70	19.74	20.5	1		
5	256QAM	12	7	19.55	19.72	19.73				
5	256QAM	12	13	19.62	19.69	19.69				
5	256QAM	25	0	19.67	19.66	19.71				

Band 4 Other PA Ant6 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.70	20.93	20.78						
20	QPSK	1	49	20.74	20.77	20.68	22	0				
20	QPSK	1	99	20.77	20.77	20.68						
20	QPSK	50	0	20.78	20.91	20.70						
20	QPSK	50	24	20.76	20.76	20.72	22	0				
20	QPSK	50	50	20.77	20.80	20.69						
20	QPSK	100	0	20.69	20.83	20.66						
20	HQAM	1	0	20.63	20.75	20.76	22	0				
20	HQAM	1	49	20.75	20.65	20.74						
20	HQAM	1	99	20.78	20.81	20.71						
20	HQAM	50	0	20.76	20.87	20.67						
20	HQAM	50	24	20.70	20.77	20.65	22	0				
20	HQAM	50	50	20.77	20.80	20.72						
20	HQAM	100	0	20.65	20.76	20.76						
20	HQAM	1	0	20.63	20.87	20.69						
20	HQAM	1	49	20.71	20.77	20.78	22	0				
20	HQAM	1	99	20.75	20.76	20.71						
20	HQAM	50	0	20.74	20.29	20.25						
20	HQAM	50	24	20.29	20.30	20.13	21.5	0.5				
20	HQAM	50	50	20.29	20.32	20.20						
20	HQAM	100	0	20.18	20.32	20.27						
20	HQAM	1	0	18.15	18.26	18.16						
20	HQAM	1	49	18.27	18.31	18.22	19.5	2.5				
20	HQAM	1	99	18.28	18.36	18.15						
20	HQAM	50	0	18.16	18.35	18.25						
20	HQAM	50	24	18.14	18.28	18.25	19.5	2.5				
20	HQAM	50	50	18.23	18.38	18.13						
20	HQAM	100	0	18.26	18.31	18.19						
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.67	20.76	20.67						
15	QPSK	1	37	20.62	20.67	20.57	22	0				
15	QPSK	1	74	20.60	20.62	20.61						
15	QPSK	36	0	20.60	20.81	20.70						
15	QPSK	36	20	20.72	20.61	20.66	22	0				
15	QPSK	36	39	20.73	20.84	20.55						
15	QPSK	75	0	20.64	20.79	20.63						
15	HQAM	1	0	20.54	20.58	20.61	22	0				
15	HQAM	1	37	20.58	20.70	20.64						
15	HQAM	1	74	20.65	20.71	20.71						
15	HQAM	36	0	20.72	20.76	20.64	22	0				
15	HQAM	36	20	20.73	20.61	20.61						
15	HQAM	36	39	20.67	20.62	20.60						
15	HQAM	75	0	20.61	20.75	20.62						
15	HQAM	1	0	20.58	20.70	20.62						
15	HQAM	1	37	20.63	20.74	20.73	22	0				
15	HQAM	1	74	20.65	20.60	20.60						
15	HQAM	36	0	19.99	20.24	20.10						
15	HQAM	36	20	20.11	20.17	20.05	21.5	0.5				
15	HQAM	36	39	20.15	20.15	20.05						
15	HQAM	75	0	20.02	20.15	20.25						
15	HQAM	1	0	18.05	18.17	18.08						
15	HQAM	1	37	18.13	18.20	18.13	19.5	2.5				
15	HQAM	1	74	18.17	18.20	18.13						
15	HQAM	36	0	18.05	18.28	18.15						
15	HQAM	36	20	18.08	18.28	18.05	19.5	2.5				
15	HQAM	36	39	18.13	18.36	18.05						
15	HQAM	75	0	18.22	18.27	18.08						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.62	20.75	20.66						
10	QPSK	1	25	20.70	20.68	20.61	22	0				
10	QPSK	1	49	20.58	20.60	20.59						
10	QPSK	25	0	20.70	20.60	20.72						
10	QPSK	25	25	20.68	20.65	20.65	22	0				
10	QPSK	25	49	20.73	20.80	20.63						
10	QPSK	50	0	20.62	20.77	20.63						
10	QPSK	1	0	20.59	20.59	20.61	22	0				
10	HQAM	1	0	20.65	20.67	20.65						
10	HQAM	1	49	20.67	20.68	20.65						
10	HQAM	1	99	20.72	20.73	20.65	22	0				
10	HQAM	25	0	20.65	20.66	20.58						
10	HQAM	25	25	20.63	20.66	20.69						
10	HQAM	25	49	20.68	20.69	20.63						
10	HQAM	50	0	20.47	20.69	20.59						
10	HQAM	1	0	20.56	20.61	20.73	22	0				
10	HQAM	1	25	20.64	20.64	20.64						
10	HQAM	25	0	20.07	20.13	20.14						
10	HQAM	25	12	20.12	20.21	19.99	21.5	0.5				
10	HQAM	25	25	20.04	20.10	20.04						
10	HQAM	50	0	20.05	20.16	20.12						
10	HQAM	1	0	17.97	18.19	18.03						
10	HQAM	1	25	18.12	18.32	18.05	19.5	2.5				
10	HQAM	1	49	18.21	18.32	18.01						
10	HQAM	25	0	18.06	18.19	18.16						
10	HQAM	25	12	18.05	18.32	18.12	19.5	2.5				
10	HQAM	25	25	18.19	18.30	17.95						
10	HQAM	50	0	18.22	18.15	18.17						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.55	20.80	20.67						
5	QPSK	1	12	20.63	20.73	20.67	22	0				
5	QPSK	1	24	20.50	20.67	20.54						
5	QPSK	12	0	20.72	20.73	20.60						
5	QPSK	12	12	20.67	20.67	20.67	22	0				
5	QPSK	12	13	20.62	20.77	20.65						
5	QPSK	25	0	20.59	20.78	20.67						
5	HQAM	1	0	20.55	20.73	20.65						
5	HQAM	1	12	20.62	20.81	20.69	22	0				
5	HQAM	1	24	20.65	20.63	20.70						
5	HQAM	12	0	20.71	20.80	20.63						
5	HQAM	12	7	20.62	20.73	20.56	22	0				
5	HQAM	12	13	20.64	20.69	20.63						
5	HQAM	1	0	20.62	20.48	20.48						
5	HQAM	1	0	20.61	20.73	20.63						
5	HQAM	1	12	20.57	20.72	20.75	22	0				
5	HQAM	1	24	20.62	20.71	20.62						
5	HQAM	12	0	20.08	20.16	20.09						
5	HQAM	12	7	20.10	20.17	20.03	21.5	0.5				
5	HQAM	12	13	20.04	20.16	20.16						
5	HQAM	25	0	20.02	20.15	20.20						
5	HQAM	1	0	17.97	18.15	18.07						
5	HQAM	1	12	18.12	18.16	18.14	19.5	2.5				
5	HQAM	1	24	18.19	18.29	18.00						
5	HQAM	12	0	18.02	18.32	18.17						
5	HQAM	12	7	18.12	18.23	18.05	19.5	2.5				
5	HQAM	12	13	18.05	18.36	18.10						
5	HQAM	25	0	18.24	18.16	18.11						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.61	20.76	20.61						
1.4	QPSK	1	5	20.67	20.71	20.65	22	0				
1.4	QPSK	1	5	20.65	20.59	20.55						
1.4	QPSK	3	0	20.61	20.72	20.66						
1.4	QPSK	3	1	20.73	20.59	20.67						
1.4	QPSK	3	3	20.63	20.76	20.75						
1.4	QPSK	6	0	20.65	20.67	20.65	22	0				
1.4	QPSK	6	1	20.59	20.69	20.65						
1.4	HQAM	1	0	20.67	20.83	20.60						
1.4	HQAM	1	5	20.77	20.73	20.67	22	0				
1.4	HQAM	1	5	20.59	20.69	20.61						
1.4	HQAM	3	1	20.71	20.73	20.67						
1.4	HQAM	3	0	20.72	20.64	20.67						
1.4	HQAM	6	0	20.60	20.73	20.64	20	0				
1.4	HQAM	1	0	20.54	20.74	20.64						
1.4	HQAM	1	0	20.67	20.67	20.70	22	0				
1.4	HQAM	1	5	20.68	20.64	20.66						
1.4	HQAM	3	0	20.03	20.23	20.26						
1.4	HQAM	3	1	20.17	20.19	20.19						
1.4	HQAM	6	0	20.10	20.17	20.09						
1.4	HQAM	6	0	19.68	19.81	19.71	21.5	0.5				
1.4	HQAM	1	0	18.05	18.30	18.05						
1.4	HQAM	1	5	18.17	18.19	18.18						
1.4	HQAM	1	5	18.24	18.32							

Band 38 Other PA Ant6 DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	22.37	22.40	22.38	23.4	0			
20	QPSK	1	49	22.27	22.30	22.28					
20	QPSK	1	99	22.35	22.32	22.36					
20	QPSK	50	0	22.30	22.36	22.33	23.4	0			
20	QPSK	50	24	22.17	22.27	22.24					
20	QPSK	50	50	22.25	22.24	22.30					
20	QPSK	100	0	22.32	22.33	22.26	23.4	0			
20	16QAM	1	0	22.19	22.30	22.29					
20	16QAM	1	49	22.08	22.24	22.16					
20	16QAM	1	99	22.19	22.17	22.21	23.4	0			
20	16QAM	50	0	21.26	21.38	21.36					
20	16QAM	50	24	21.17	21.26	21.25					
20	16QAM	50	50	21.29	21.19	21.32	22.4	1			
20	16QAM	100	0	21.29	21.37	21.30					
20	64QAM	1	0	21.15	21.31	21.27					
20	64QAM	1	49	21.11	21.27	21.10	22.4	1			
20	64QAM	1	99	21.14	21.21	21.24					
20	64QAM	50	0	20.24	20.33	20.29					
20	64QAM	50	24	20.11	20.28	20.27	21.4	2			
20	64QAM	50	50	20.19	20.25	20.24					
20	64QAM	100	0	20.27	20.33	20.29					
20	256QAM	1	0	18.25	18.36	18.32	19.4	4			
20	256QAM	1	49	18.17	18.22	18.24					
20	256QAM	1	99	18.20	18.19	18.34					
20	256QAM	50	0	18.37	18.36	18.24	19.4	4			
20	256QAM	50	24	18.20	18.25	18.31					
20	256QAM	50	50	18.08	18.27	18.13					
20	256QAM	100	0	18.14	18.21	18.19					
Channel				37625	38000	38175	Tune-up limit (dbm)		MPR (db)		
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	22.33	22.38	22.28	23.4	0			
15	QPSK	1	37	22.25	22.17	22.24					
15	QPSK	1	74	22.29	22.19	22.28					
15	QPSK	36	0	22.17	22.29	22.21	23.4	0			
15	QPSK	36	20	22.07	22.21	22.14					
15	QPSK	36	39	22.15	22.14	22.26					
15	QPSK	75	0	22.19	22.21	22.16	23.4	0			
15	16QAM	1	0	22.15	22.20	22.25					
15	16QAM	1	37	21.95	22.11	22.03					
15	16QAM	1	74	22.12	22.13	22.10	23.4	0			
15	16QAM	36	0	21.15	21.29	21.25					
15	16QAM	36	20	21.06	21.15	21.15					
15	16QAM	36	39	21.22	21.16	21.26	22.4	1			
15	16QAM	75	0	21.26	21.26	21.20					
15	64QAM	1	0	21.05	21.28	21.15					
15	64QAM	1	37	21.00	21.16	21.05	22.4	1			
15	64QAM	1	74	21.09	21.11	21.13					
15	64QAM	36	0	20.15	20.31	20.16					
15	64QAM	36	20	20.05	20.23	20.16	21.4	2			
15	64QAM	36	39	20.12	20.14	20.22					
15	64QAM	75	0	20.25	20.28	20.17					
15	256QAM	1	0	18.13	18.31	18.24	19.4	4			
15	256QAM	1	37	18.05	18.13	18.11					
15	256QAM	1	74	18.07	18.10	18.32					
15	256QAM	36	0	18.24	18.28	18.20					
15	256QAM	36	20	18.09	18.14	18.25					
15	256QAM	36	39	17.98	18.20	18.05					
15	256QAM	75	0	18.07	18.09	18.15					
Channel				37600	38000	38200	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	22.27	22.32	22.29	23.4	0			
10	QPSK	1	25	22.21	22.28	22.23					
10	QPSK	1	49	22.27	22.29	22.22					
10	QPSK	25	0	22.21	22.29	22.21	23.4	0			
10	QPSK	25	12	22.07	22.22	22.14					
10	QPSK	25	25	22.13	22.20	22.17					
10	QPSK	50	0	22.24	22.25	22.16	23.4	0			
10	16QAM	1	0	22.06	22.21	22.17					
10	16QAM	1	25	21.99	22.11	22.11					
10	16QAM	1	49	22.08	22.09	22.13	22.4	1			
10	16QAM	25	0	21.20	21.29	21.25					
10	16QAM	25	12	21.13	21.18	21.22					
10	16QAM	25	25	21.26	21.10	21.26	22.4	1			
10	16QAM	50	0	21.21	21.29	21.22					
10	64QAM	1	0	21.03	21.21	21.22					
10	64QAM	1	25	21.01	21.17	21.08	22.4	1			
10	64QAM	1	49	21.11	21.11	21.20					
10	64QAM	25	0	20.18	20.26	20.24					
10	64QAM	25	12	20.05	20.23	20.21	21.4	2			
10	64QAM	25	25	20.11	20.19	20.18					
10	64QAM	50	0	20.16	20.24	20.17					
10	256QAM	1	0	18.22	18.26	18.30	19.4	4			
10	256QAM	1	25	18.15	18.10	18.14					
10	256QAM	1	49	18.08	18.13	18.28					
10	256QAM	25	0	18.32	18.32	18.18					
10	256QAM	25	12	18.14	18.16	18.25					
10	256QAM	25	25	17.99	18.18	18.00					
10	256QAM	50	0	18.09	18.13	18.13					
Channel				37775	38000	38225	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	22.31	22.28	22.27	23.4	0			
5	QPSK	1	12	22.25	22.27	22.23					
5	QPSK	1	24	22.25	22.19	22.28					
5	QPSK	12	0	22.19	22.28	22.24	23.4	0			
5	QPSK	12	7	22.13	22.13	22.16					
5	QPSK	12	13	22.17	22.17	22.24					
5	QPSK	25	0	22.28	22.20	22.20	23.4	0			
5	16QAM	1	0	22.10	22.25	22.26					
5	16QAM	1	12	21.96	22.18	22.07					
5	16QAM	1	24	22.07	22.09	22.16	23.4	0			
5	16QAM	12	0	21.15	21.33	21.27					
5	16QAM	12	7	21.10	21.20	21.20					
5	16QAM	12	13	21.25	21.14	21.24	22.4	1			
5	16QAM	25	0	21.25	21.23	21.20					
5	64QAM	1	0	21.08	21.28	21.18					
5	64QAM	1	12	21.01	21.16	21.05	22.4	1			
5	64QAM	1	24	21.10	21.11	21.17					
5	64QAM	12	0	20.17	20.29	20.23					
5	64QAM	12	7	20.00	20.22	20.15	21.4	2			
5	64QAM	12	13	20.11	20.17	20.11					
5	64QAM	25	0	20.16	20.30	20.16	19.4	4			
5	256QAM	1	0	18.14	18.18	18.29					
5	256QAM	1	12	18.06	18.10	18.20					
5	256QAM	1	24	18.08	18.14	18.31					
5	256QAM	12	0	18.30	18.25	18.20					
5	256QAM	12	7	18.11	18.19	18.18					
5	256QAM	12	13	18.04	18.19	18.00					
5	256QAM	25	0	18.03	18.07	18.03					

Band 42 Ant8 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	20.51	20.68	20.50	21.6	0		
20	QPSK	1	49	20.52	20.64	20.50				
20	QPSK	1	99	20.50	20.53	20.53				
20	QPSK	50	0	19.99	20.12	20.04	21.1	0.5		
20	QPSK	50	24	20.01	20.11	19.97				
20	QPSK	50	50	20.04	20.10	20.02				
20	QPSK	100	0	20.01	20.11	20.05	21.1	0.5		
20	16QAM	1	0	20.02	20.04	19.96				
20	16QAM	1	49	20.06	20.03	19.95				
20	16QAM	1	99	20.04	20.02	20.01	20.1	1.5		
20	16QAM	50	0	19.02	19.08	19.06				
20	16QAM	50	24	19.00	19.05	18.99				
20	16QAM	50	50	19.07	19.06	19.02	20.1	1.5		
20	16QAM	100	0	18.98	19.08	19.00				
20	64QAM	1	0	18.97	19.04	19.02				
20	64QAM	1	49	19.05	19.11	19.02	20.1	1.5		
20	64QAM	1	99	19.05	19.04	18.99				
20	64QAM	50	0	18.01	18.01	17.95				
20	64QAM	50	24	18.05	18.08	18.04	19.1	2.5		
20	64QAM	50	50	17.98	18.11	17.99				
20	64QAM	100	0	18.01	18.06	18.00				
20	256QAM	1	0	16.04	16.11	16.00	17.1	4.5		
20	256QAM	1	49	16.03	16.03	16.05				
20	256QAM	1	99	15.96	16.05	15.94				
20	256QAM	50	0	16.05	16.09	15.99	17.1	4.5		
20	256QAM	50	24	16.05	16.03	16.01				
20	256QAM	50	50	16.01	16.06	16.01				
20	256QAM	100	0	15.99	16.04	15.99	Tune-up limit (dBm)	MPR (dB)		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.37	20.55	20.42	21.6	0		
15	QPSK	1	37	20.43	20.49	20.37				
15	QPSK	1	74	20.38	20.45	20.45				
15	QPSK	36	0	19.95	19.86	20.00	21.1	0.5		
15	QPSK	36	20	19.94	20.06	19.82				
15	QPSK	36	39	19.93	20.05	19.90				
15	QPSK	75	0	19.86	20.02	19.95	21.1	0.5		
15	16QAM	1	0	19.94	19.88	19.80				
15	16QAM	1	37	20.00	19.90	19.84				
15	16QAM	1	74	19.91	19.92	19.90	20.1	1.5		
15	16QAM	36	0	18.95	18.99	18.90				
15	16QAM	36	20	18.96	18.90	18.91				
15	16QAM	36	39	18.94	18.99	18.96	20.1	1.5		
15	16QAM	75	0	18.91	19.00	18.91				
15	64QAM	1	0	18.91	18.94	18.91				
15	64QAM	1	37	18.96	18.97	18.88	20.1	1.5		
15	64QAM	1	74	18.94	18.91	18.87				
15	64QAM	36	0	17.89	17.90	17.86				
15	64QAM	36	20	17.95	17.94	17.92	19.1	2.5		
15	64QAM	36	39	17.83	18.04	17.94				
15	64QAM	75	0	17.85	17.93	17.85				
15	256QAM	1	0	15.96	16.06	15.91	17.1	4.5		
15	256QAM	1	37	15.98	15.92	15.92				
15	256QAM	1	74	15.83	15.98	15.88				
15	256QAM	36	0	15.92	16.04	15.86	17.1	4.5		
15	256QAM	36	20	15.95	15.96	15.94				
15	256QAM	36	39	15.93	16.00	15.90				
15	256QAM	75	0	15.93	15.97	15.93	Tune-up limit (dBm)	MPR (dB)		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	20.37	20.58	20.36	21.6	0		
10	QPSK	1	25	20.42	20.55	20.34				
10	QPSK	1	49	20.37	20.48	20.40				
10	QPSK	25	0	19.88	19.96	19.96	21.1	0.5		
10	QPSK	25	12	19.94	20.03	19.82				
10	QPSK	25	25	19.91	19.97	19.91				
10	QPSK	50	0	19.87	20.06	19.91	21.1	0.5		
10	16QAM	1	0	19.90	19.91	19.83				
10	16QAM	1	25	19.94	19.88	19.83				
10	16QAM	1	49	19.95	19.94	19.97	20.1	1.5		
10	16QAM	25	0	18.92	19.01	19.01				
10	16QAM	25	12	18.87	18.91	18.92				
10	16QAM	25	25	19.01	19.02	18.87	20.1	1.5		
10	16QAM	50	0	18.89	19.00	18.91				
10	64QAM	1	0	18.92	18.97	18.94				
10	64QAM	1	25	18.99	19.00	18.97	20.1	1.5		
10	64QAM	1	49	18.90	19.00	18.94				
10	64QAM	25	0	17.89	17.90	17.91				
10	64QAM	25	12	17.90	18.02	17.91	19.1	2.5		
10	64QAM	25	25	17.94	17.97	17.84				
10	64QAM	50	0	17.95	17.98	17.88				
10	256QAM	1	0	15.92	16.05	15.95	17.1	4.5		
10	256QAM	1	25	15.88	15.93	15.88				
10	256QAM	1	49	15.89	15.97	15.88				
10	256QAM	25	0	16.01	15.98	15.94	17.1	4.5		
10	256QAM	25	12	15.90	15.91	15.90				
10	256QAM	25	25	15.92	16.00	15.93				
10	256QAM	50	0	15.89	15.95	15.86	Tune-up limit (dBm)	MPR (dB)		
Channel				42115	42590	43075	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.42	20.64	20.40	21.6	0		
5	QPSK	1	12	20.41	20.53	20.37				
5	QPSK	1	24	20.40	20.45	20.39				
5	QPSK	12	0	19.88	19.87	19.97	21.1	0.5		
5	QPSK	12	7	19.95	20.04	19.91				
5	QPSK	12	13	19.92	20.05	19.98				
5	QPSK	25	0	19.90	20.01	19.98	21.1	0.5		
5	16QAM	1	0	19.93	19.93	19.81				
5	16QAM	1	12	19.92	19.88	19.85				
5	16QAM	1	24	19.97	19.89	19.90	20.1	1.5		
5	16QAM	12	0	18.94	19.04	19.00				
5	16QAM	12	7	18.95	18.96	18.91				
5	16QAM	12	13	19.00	19.01	18.93	20.1	1.5		
5	16QAM	25	0	18.91	18.94	18.88				
5	64QAM	1	0	18.91	18.88	18.90				
5	64QAM	1	12	18.92	18.96	18.87	20.1	1.5		
5	64QAM	1	24	18.95	18.96	18.93				
5	64QAM	12	0	17.96	17.85	17.88				
5	64QAM	12	7	17.97	17.99	17.89	19.1	2.5		
5	64QAM	12	13	17.91	17.99	17.85				
5	64QAM	25	0	17.89	17.91	17.90				
5	256QAM	1	0	15.96	15.99	15.92	17.1	4.5		
5	256QAM	1	12	15.90	15.90	15.94				
5	256QAM	1	24	15.88	15.96	15.86				
5	256QAM	12	0	16.00	16.00	15.92	17.1	4.5		
5	256QAM	12	7	15.94	15.98	15.96				
5	256QAM	12	13	15.97	16.01	15.94				
5	256QAM	25	0	15.92	15.97	15.88				

Band 42 Ant9 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	17.79	17.96	17.88	19	0		
20	QPSK	1	49	17.76	17.89	17.89				
20	QPSK	1	99	17.79	17.93	17.79	19	0		
20	QPSK	50	0	17.78	17.93	17.87				
20	QPSK	50	24	17.80	17.85	17.89	19	0		
20	QPSK	50	50	17.86	17.92	17.87				
20	QPSK	100	0	17.84	17.89	17.87	19	0		
20	16QAM	1	0	17.78	17.84	17.84				
20	16QAM	1	49	17.80	17.92	17.85	19	0		
20	16QAM	1	99	17.80	17.86	17.88				
20	16QAM	50	0	17.78	17.88	17.83	19	0		
20	16QAM	50	24	17.84	17.94	17.87				
20	16QAM	50	50	17.82	17.84	17.90	19	0		
20	16QAM	100	0	17.82	17.86	17.86				
20	64QAM	1	0	17.77	17.93	17.85	19	0		
20	64QAM	1	49	17.87	17.94	17.89				
20	64QAM	1	99	17.83	17.87	17.85	19	0		
20	64QAM	50	0	17.77	17.86	17.83				
20	64QAM	50	24	17.87	17.93	17.84	19	0		
20	64QAM	50	50	17.76	17.87	17.80				
20	64QAM	100	0	17.85	17.94	17.90	19	0		
20	256QAM	1	0	17.77	17.87	17.79				
20	256QAM	1	49	17.82	17.90	17.81	19	0		
20	256QAM	1	99	17.80	17.87	17.83				
20	256QAM	50	0	17.82	17.93	17.89	19	0		
20	256QAM	50	24	17.79	17.90	17.87				
20	256QAM	50	50	17.86	17.85	17.85	19	0		
20	256QAM	100	0	17.78	17.91	17.80				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	17.66	17.75	17.84	19	0		
15	QPSK	1	37	17.72	17.74	17.77				
15	QPSK	1	74	17.65	17.80	17.64	19	0		
15	QPSK	36	0	17.65	17.79	17.77				
15	QPSK	36	20	17.70	17.78	17.75	19	0		
15	QPSK	36	39	17.81	17.86	17.79				
15	QPSK	75	0	17.72	17.75	17.74	19	0		
15	16QAM	1	0	17.74	17.70	17.69				
15	16QAM	1	37	17.75	17.82	17.80	19	0		
15	16QAM	1	74	17.67	17.73	17.77				
15	16QAM	36	0	17.69	17.79	17.75	19	0		
15	16QAM	36	20	17.73	17.85	17.74				
15	16QAM	36	39	17.78	17.74	17.82	19	0		
15	16QAM	75	0	17.67	17.74	17.72				
15	64QAM	1	0	17.69	17.86	17.70	19	0		
15	64QAM	1	37	17.79	17.88	17.75				
15	64QAM	1	74	17.72	17.71	17.70	19	0		
15	64QAM	36	0	17.69	17.76	17.67				
15	64QAM	36	20	17.72	17.78	17.69	19	0		
15	64QAM	36	39	17.70	17.71	17.71				
15	64QAM	75	0	17.71	17.84	17.74	19	0		
15	256QAM	1	0	17.63	17.73	17.67				
15	256QAM	1	37	17.68	17.82	17.72	19	0		
15	256QAM	1	74	17.71	17.80	17.71				
15	256QAM	36	0	17.72	17.85	17.77	19	0		
15	256QAM	36	20	17.68	17.81	17.73				
15	256QAM	36	39	17.81	17.79	17.79	19	0		
15	256QAM	75	0	17.66	17.85	17.69				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	17.65	17.75	17.80	19	0		
10	QPSK	1	25	17.72	17.82	17.80				
10	QPSK	1	49	17.73	17.79	17.69	19	0		
10	QPSK	25	0	17.66	17.80	17.71				
10	QPSK	25	12	17.72	17.81	17.75	19	0		
10	QPSK	25	25	17.73	17.80	17.76				
10	QPSK	50	0	17.74	17.77	17.73	19	0		
10	16QAM	1	0	17.71	17.72	17.77				
10	16QAM	1	25	17.68	17.82	17.71	19	0		
10	16QAM	1	49	17.73	17.75	17.74				
10	16QAM	25	0	17.69	17.79	17.70	19	0		
10	16QAM	25	12	17.68	17.82	17.74				
10	16QAM	25	25	17.74	17.73	17.84	19	0		
10	16QAM	50	0	17.72	17.75	17.76				
10	64QAM	1	0	17.70	17.84	17.74	19	0		
10	64QAM	1	25	17.79	17.85	17.82				
10	64QAM	1	49	17.70	17.82	17.73	19	0		
10	64QAM	25	0	17.63	17.70	17.75				
10	64QAM	25	12	17.80	17.80	17.72	19	0		
10	64QAM	25	25	17.64	17.72	17.69				
10	64QAM	50	0	17.75	17.87	17.78	19	0		
10	256QAM	1	0	17.71	17.72	17.65				
10	256QAM	1	25	17.66	17.79	17.74	19	0		
10	256QAM	1	49	17.73	17.83	17.88				
10	256QAM	25	0	17.70	17.85	17.83	19	0		
10	256QAM	25	12	17.69	17.79	17.82				
10	256QAM	25	25	17.81	17.71	17.80	19	0		
10	256QAM	50	0	17.62	17.86	17.72				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	17.71	17.78	17.84	19	0		
5	QPSK	1	12	17.65	17.82	17.78				
5	QPSK	1	24	17.64	17.85	17.72	19	0		
5	QPSK	12	0	17.67	17.78	17.79				
5	QPSK	12	7	17.73	17.80	17.84	19	0		
5	QPSK	12	13	17.77	17.80	17.78				
5	QPSK	25	0	17.70	17.81	17.82	19	0		
5	16QAM	1	0	17.66	17.75	17.76				
5	16QAM	1	12	17.71	17.87	17.80	19	0		
5	16QAM	1	24	17.73	17.81	17.75				
5	16QAM	12	0	17.64	17.83	17.72	19	0		
5	16QAM	12	7	17.73	17.81	17.75				
5	16QAM	12	13	17.70	17.69	17.80	19	0		
5	16QAM	25	0	17.75	17.82	17.72				
5	64QAM	1	0	17.69	17.81	17.70	19	0		
5	64QAM	1	12	17.79	17.79	17.85				
5	64QAM	1	24	17.75	17.72	17.74	19	0		
5	64QAM	12	0	17.67	17.73	17.76				
5	64QAM	12	7	17.73	17.78	17.70	19	0		
5	64QAM	12	13	17.71	17.72	17.75				
5	64QAM	25	0	17.79	17.79	17.87	19	0		
5	256QAM	1	0	17.64	17.72	17.68				
5	256QAM	1	12	17.78	17.81	17.65	19	0		
5	256QAM	1	24	17.72	17.79	17.78				
5	256QAM	12	0	17.72	17.78	17.74	19	0		
5	256QAM	12	7	17.74	17.83	17.76				
5	256QAM	12	13	17.71	17.77	17.71	19	0		
5	256QAM	25	0	17.71	17.78	17.68				

Reduced Power Mode for DSI4

GSM850 AnT0 DSI4								
GSM850	Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel	128	169	251	Limit	128	169	251	Limit
Frequency (MHz)	251.2	169.4	168.8	(dBm)	251.2	169.4	168.8	(dBm)
GSM 1 Tx slot	32.12	32.15	32.11	33.00	23.12	23.15	23.11	24.00
GPRS 1 Tx slot	32.02	32.06	32.01	33.00	23.02	23.06	23.01	24.00
GPRS 2 Tx slots	28.91	28.93	28.90	30.00	22.91	22.93	22.90	24.00
GPRS 3 Tx slots	27.25	27.30	27.22	28.20	22.99	23.04	22.96	23.94
GPRS 4 Tx slots	26.05	26.11	26.05	27.00	23.09	23.11	23.05	24.00
EDGE 1 Tx slot	26.00	26.05	26.02	28.00	17.00	17.05	17.02	19.00
EDGE 2 Tx slots	23.98	24.03	23.95	25.00	17.98	18.03	17.95	19.00
EDGE 3 Tx slots	21.99	22.06	22.01	23.20	17.73	17.80	17.75	18.94
EDGE 4 Tx slots	21.15	21.27	21.21	22.00	16.15	16.27	16.21	19.00

WCDMA V AnT0 DSI4				
Band	WCDMA V			Tune-up
TX Channel	4132	4162	4233	Limit
Rx Channel	4357	4407	4458	(dBm)
Frequency (MHz)	896.4	898.4	940.6	
3GPP Rel 99	AMR 12.2kops	24.16	24.26	24.13
3GPP Rel 99	RMIC 12.2kops	24.26	24.35	24.22
3GPP Rel 6	HSDPA Subtest-1	23.26	23.33	23.18
3GPP Rel 6	HSDPA Subtest-2	23.24	23.35	23.23
3GPP Rel 6	HSDPA Subtest-3	22.74	22.89	22.77
3GPP Rel 6	HSDPA Subtest-4	22.78	22.80	22.68
3GPP Rel 8	DC-HSDPA Subtest-1	23.20	23.35	23.22
3GPP Rel 8	DC-HSDPA Subtest-2	23.29	23.39	23.22
3GPP Rel 8	DC-HSDPA Subtest-3	22.75	22.90	22.68
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.86	22.67
3GPP Rel 6	HSPA Subtest-1	23.29	23.40	23.22
3GPP Rel 6	HSPA Subtest-2	21.23	21.36	21.26
3GPP Rel 6	HSPA Subtest-3	22.20	22.41	22.17
3GPP Rel 6	HSPA Subtest-4	21.26	21.32	21.22
3GPP Rel 6	HSPA Subtest-5	23.22	23.32	23.25
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	20.81	20.88	20.74

Band 5 Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	25.19	25.21	25.16			
10	QPSK	1	25	25.20	25.17	25.07	25.7	0	
10	QPSK	1	49	25.19	25.16	25.07			
10	QPSK	25	0	24.16	24.23	24.22			
10	QPSK	25	12	24.19	24.13	24.08	24.7	1	
10	QPSK	25	25	24.14	24.19	24.11			
10	QPSK	50	0	24.16	24.25	24.19			
10	16QAM	1	0	24.11	24.14	24.21			
10	16QAM	1	25	24.13	24.10	24.05	24.7	1	
10	16QAM	1	49	24.13	24.14	24.07			
10	16QAM	25	0	23.18	23.22	23.28			
10	16QAM	25	12	23.19	23.09	23.03	23.7	2	
10	16QAM	25	25	23.13	23.20	23.15			
10	16QAM	50	0	23.12	23.27	23.24			
10	84QAM	1	25	23.14	23.07	23.02	23.7	2	
10	84QAM	1	49	23.14	23.15	23.03			
10	84QAM	25	0	22.13	22.21	22.16			
10	84QAM	25	12	22.17	22.17	22.14	22.7	3	
10	84QAM	25	25	22.11	22.21	22.08			
10	84QAM	50	0	22.20	22.21	22.13			
10	256QAM	1	0	20.19	20.28	20.25			
10	256QAM	1	25	20.15	20.10	20.11	20.7	5	
10	256QAM	1	49	20.12	20.21	20.16			
10	256QAM	25	0	20.14	20.30	20.18			
10	256QAM	25	12	20.08	20.14	20.10	20.7	5	
10	256QAM	25	25	20.16	20.13	20.10			
10	256QAM	50	0	20.18	20.19	20.02			
Channel									
Frequency (MHz)									
5	QPSK	1	0	25.05	25.16	25.07	25.7	0	
5	QPSK	1	12	25.06	25.14	24.97			
5	QPSK	1	24	25.13	25.07	24.96			
5	QPSK	12	0	24.07	24.12	24.15			
5	QPSK	12	7	24.06	24.01	24.03	24.7	1	
5	QPSK	12	13	24.09	24.12	24.03			
5	QPSK	25	0	24.10	24.20	24.15			
5	16QAM	1	0	23.96	24.04	24.15	24.7	1	
5	16QAM	1	12	24.05	24.02	23.94			
5	16QAM	1	24	24.01	24.06	23.95			
5	16QAM	12	0	23.05	23.14	23.16			
5	16QAM	12	7	23.10	23.07	22.90	23.7	2	
5	16QAM	12	13	23.09	23.10	23.10			
5	16QAM	25	0	23.08	23.23	23.22			
5	84QAM	1	0	23.00	23.09	23.12			
5	84QAM	1	12	23.11	22.97	22.96	23.7	2	
5	84QAM	1	24	23.08	23.03	22.92			
5	84QAM	12	0	22.03	22.16	22.14			
5	84QAM	12	7	22.14	22.14	22.03	22.7	3	
5	84QAM	12	13	22.00	22.18	21.96			
5	84QAM	25	0	22.07	22.08	22.08			
5	256QAM	1	0	20.16	20.17	20.23			
5	256QAM	1	12	20.02	20.03	20.05	20.7	5	
5	256QAM	1	24	20.00	20.19	20.02			
5	256QAM	12	0	20.04	20.17	20.06			
5	256QAM	12	7	20.01	20.13	20.19	20.7	5	
5	256QAM	12	13	20.04	20.00	20.06			
5	256QAM	25	0	20.07	20.08	19.93			
Channel									
Frequency (MHz)									
3	QPSK	1	0	25.14	25.09	25.10	25.7	0	
3	QPSK	1	8	25.14	25.15	24.95			
3	QPSK	1	14	25.05	25.05	24.96			
3	QPSK	8	0	24.05	24.20	24.16			
3	QPSK	8	4	24.06	23.99	24.03	24.7	1	
3	QPSK	8	7	24.04	24.11	24.01			
3	QPSK	15	0	24.11	24.17	24.16			
3	16QAM	1	0	24.02	24.11	24.15	24.7	1	
3	16QAM	1	8	24.09	24.05	23.94			
3	16QAM	1	14	24.00	24.10	23.99			
3	16QAM	8	0	23.08	23.13	23.23	23.7	2	
3	16QAM	8	4	23.11	23.03	22.83			
3	16QAM	8	7	23.03	23.08	23.03			
3	16QAM	15	0	23.00	23.24	23.21			
3	84QAM	1	0	23.02	23.17	23.10			
3	84QAM	1	8	23.03	22.93	22.90	23.7	2	
3	84QAM	1	14	23.01	23.10	22.96			
3	84QAM	8	0	22.05	22.08	22.08			
3	84QAM	8	4	22.05	22.09	22.07	22.7	3	
3	84QAM	8	7	22.01	22.16	21.99			
3	84QAM	15	0	22.10	22.09	22.01			
3	256QAM	1	0	20.11	20.15	20.14	20.7	5	
3	256QAM	1	8	20.01	20.05	19.99			
3	256QAM	1	14	20.00	20.07	20.03			
3	256QAM	8	0	20.12	20.18	20.03			
3	256QAM	8	4	19.99	20.13	20.21	20.7	5	
3	256QAM	8	7	20.05	20.01	20.00			
3	256QAM	15	0	20.15	20.08	19.99			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	25.10	25.11	25.14	25.7	0	
1.4	QPSK	1	3	25.12	25.05	25.03			
1.4	QPSK	1	5	25.08	25.03	25.05			
1.4	QPSK	3	0	25.00	25.08	25.03			
1.4	QPSK	3	1	25.06	25.03	24.94			
1.4	QPSK	3	3	24.96	24.90	24.97	24.7	1	
1.4	QPSK	6	0	24.10	24.16	24.14			
1.4	16QAM	1	0	24.03	24.06	24.08			
1.4	16QAM	1	3	24.05	24.02	23.93			
1.4	16QAM	1	5	24.00	24.07	24.02	24.7	1	
1.4	16QAM	3	0	24.02	24.13	24.06			
1.4	16QAM	3	1	23.90	23.94	24.01			
1.4	16QAM	3	3	23.93	23.90	23.86	23.7	2	
1.4	16QAM	6	0	23.04	23.16	23.16			
1.4	84QAM	1	0	23.06	23.11	23.16			
1.4	84QAM	1	3	23.02	22.99	22.93			
1.4	84QAM	1	5	23.05	23.07	23.00	23.7	2	
1.4	84QAM	3	0	22.98	23.03	23.06			
1.4	84QAM	3	1	22.98	23.05	23.06			
1.4	84QAM	3	3	22.94	22.97	22.83			
1.4	84QAM	6	0	22.12	22.12	22.10	22.7	3	
1.4	256QAM	1	0	20.11	20.21	20.16			
1.4	256QAM	1	3	20.01	20.03	20.06			
1.4	256QAM	1	5	19.99	20.16	20.12	20.7	5	
1.4	256QAM	3	0	20.01	20.20	20.02			
1.4	256QAM	3	1	19.99	20.04	20.21			
1.4	256QAM	3	3	20.03	20.00	20.05			
1.4	256QAM	6	0	20.06	20.13	19.99	20.7	5	

Band 12 Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.72	24.78	24.73			
10	QPSK	1	25	24.67	24.71	24.60	25.5	0	
10	QPSK	1	49	24.60	24.69	24.71			
10	QPSK	25	0	23.66	23.62	23.68			
10	QPSK	25	12	23.68	23.73	23.55	24.5	1	
10	QPSK	25	25	23.62	23.74	23.66			
10	QPSK	50	0	23.71	23.79	23.75			
10	16QAM	1	0	23.75	23.73	23.72			
10	16QAM	1	25	23.65	23.71	23.64	24.5	1	
10	16QAM	1	49	23.61	23.72	23.71			
10	16QAM	25	0	22.64	22.85	22.71			
10	16QAM	25	12	22.68	22.70	22.51	23.5	2	
10	16QAM	25	25	22.57	22.74	22.64			
10	16QAM	50	0	22.67	22.81	22.75			
10	84QAM	1	0	22.70	22.79	22.75			
10	84QAM	1	25	22.63	22.78	22.69	23.5	2	
10	84QAM	1	49	22.65	22.75	22.70			
10	84QAM	25	0	21.61	21.85	21.71			
10	84QAM	25	12	21.72	21.72	21.59	22.5	3	
10	84QAM	25	25	21.58	21.79	21.68			
10	84QAM	50	0	21.67	21.78	21.75			
10	256QAM	1	0	19.67	19.67	19.74	20.5	5	
10	256QAM	1	25	19.74	19.73	19.61			
10	256QAM	1	49	19.62	19.73	19.67			
10	256QAM	25	0	19.77	19.85	19.75			
10	256QAM	25	12	19.76	19.74	19.67	20.5	5	
10	256QAM	25	25	19.66	19.68	19.66			
10	256QAM	50	0	19.62	19.68	19.77			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.63	24.65	24.69	25.5	0	
5									

Band 17 Ant0 DSI4										
BW (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2370	2370	2380				
Frequency (MHz)				708	710	711				
10	QPSK	1	0	24.76	24.80	24.74	25.5	0		
10	QPSK	1	25	24.66	24.74	24.65				
10	QPSK	1	49	24.75	24.69	24.67				
10	QPSK	25	0	23.77	23.85	23.78	24.5	1		
10	QPSK	25	12	23.70	23.72	23.64				
10	QPSK	25	25	23.77	23.70	23.64				
10	16QAM	1	0	23.72	23.76	23.72	24.5	1		
10	16QAM	1	25	23.62	23.77	23.71				
10	16QAM	1	49	23.75	23.71	23.69				
10	16QAM	25	0	22.78	22.91	22.82	23.5	2		
10	16QAM	25	12	22.67	22.77	22.68				
10	16QAM	25	25	22.80	22.73	22.65				
10	16QAM	50	0	22.78	22.82	22.78	23.5	2		
10	64QAM	1	0	22.66	22.72	22.75				
10	64QAM	1	25	22.66	22.71	22.76				
10	64QAM	25	0	21.72	21.87	21.75	22.5	3		
10	64QAM	25	12	21.71	21.68	21.67				
10	64QAM	25	25	21.81	21.70	21.63				
10	64QAM	50	0	21.75	21.80	21.71	20.5	5		
10	256QAM	1	0	19.71	19.85	19.74				
10	256QAM	1	25	19.75	19.73	19.58				
10	256QAM	1	49	19.74	19.67	19.64	20.5	5		
10	256QAM	25	0	19.82	19.82	19.78				
10	256QAM	25	12	19.70	19.80	19.68				
10	256QAM	25	25	19.65	19.72	19.71	20.5	5		
10	256QAM	50	0	19.71	19.65	19.71				
Channel				2375	2379	2382	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	24.70	24.68	24.71	25.5	0		
5	QPSK	1	12	24.53	24.70	24.61				
5	QPSK	1	24	24.62	24.65	24.62				
5	QPSK	12	0	23.65	23.81	23.67	24.5	1		
5	QPSK	12	7	23.59	23.62	23.55				
5	QPSK	12	13	23.71	23.56	23.55				
5	QPSK	25	0	23.70	23.72	23.71	24.5	1		
5	16QAM	1	0	23.65	23.66	23.66				
5	16QAM	1	12	23.58	23.68	23.60				
5	16QAM	1	24	23.73	23.64	23.56	23.5	2		
5	16QAM	12	0	22.76	22.86	22.79				
5	16QAM	12	7	22.56	22.71	22.63				
5	16QAM	12	13	22.70	22.59	22.54	23.5	2		
5	16QAM	25	0	22.75	22.73	22.72				
5	64QAM	1	0	22.55	22.67	22.64				
5	64QAM	1	12	22.54	22.68	22.63	23.5	2		
5	64QAM	1	24	22.70	22.57	22.55				
5	64QAM	12	0	21.67	21.78	21.70				
5	64QAM	12	7	21.66	21.55	21.57	22.5	3		
5	64QAM	12	13	21.74	21.63	21.50				
5	64QAM	25	0	21.64	21.72	21.67				
5	256QAM	1	0	19.68	19.76	19.72	20.5	5		
5	256QAM	1	12	19.68	19.69	19.46				
5	256QAM	1	24	19.63	19.61	19.57				
5	256QAM	12	0	19.75	19.72	19.70	20.5	5		
5	256QAM	12	7	19.57	19.77	19.54				
5	256QAM	12	13	19.58	19.67	19.58				
5	256QAM	25	0	19.65	19.53	19.64				

Band 26 Ant0 DSI4											
BW (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				2615	2615	2615					
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	25.14	25.20	25.15	25.7	0			
15	QPSK	1	37	25.09	25.11	25.07					
15	QPSK	1	74	25.10	25.07	25.09					
15	QPSK	36	0	24.13	24.20	24.11	24.7	1			
15	QPSK	36	20	24.07	24.15	24.04					
15	QPSK	36	39	24.09	24.07	24.11					
15	QPSK	75	0	24.13	24.16	24.10	24.7	1			
15	16QAM	1	0	24.10	24.15	24.12					
15	16QAM	1	37	24.14	24.07	24.05					
15	16QAM	1	74	24.08	24.02	24.08	23.7	2			
15	16QAM	36	0	23.11	23.18	23.05					
15	16QAM	36	20	23.04	23.13	23.05					
15	16QAM	36	39	23.09	23.10	23.08	23.7	2			
15	16QAM	75	0	23.18	23.11	23.15					
15	64QAM	1	0	23.15	23.16	23.13	23.7	2			
15	64QAM	1	37	23.08	23.01	23.00					
15	64QAM	1	74	23.10	22.97	23.05					
15	64QAM	36	0	22.12	22.15	22.08	22.7	3			
15	64QAM	36	20	22.07	22.15	22.04					
15	64QAM	36	39	22.15	22.05	22.10					
15	256QAM	1	0	20.13	20.14	20.06	20.7	5			
15	256QAM	1	37	20.10	20.15	20.03					
15	256QAM	1	74	20.10	20.09	20.12					
15	256QAM	36	0	20.17	20.19	20.10	20.7	5			
15	256QAM	36	20	20.07	20.20	20.16					
15	256QAM	36	39	20.20	20.10	19.99					
15	256QAM	75	0	20.08	20.04	20.03					
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	25.08	25.17	25.04	25.7	0			
10	QPSK	1	25	24.95	25.02	25.04					
10	QPSK	1	49	25.04	24.98	24.95					
10	QPSK	25	0	24.03	24.11	23.97	24.7	1			
10	QPSK	25	12	23.94	24.09	23.98					
10	QPSK	25	25	24.05	24.01	24.04					
10	QPSK	50	0	24.03	24.07	24.04	24.7	1			
10	16QAM	1	0	24.01	24.04	24.03					
10	16QAM	1	25	24.07	24.00	24.01					
10	16QAM	1	49	24.03	23.92	23.95	23.7	2			
10	16QAM	25	0	23.09	23.09	22.98					
10	16QAM	25	12	22.93	23.02	22.98					
10	16QAM	25	25	23.04	23.03	23.01	23.7	2			
10	16QAM	50	0	23.07	23.09	23.10					
10	64QAM	1	0	23.07	23.10	23.10					
10	64QAM	1	25	22.98	22.94	22.97	22.7	3			
10	64QAM	1	49	22.97	22.85	22.99					
10	64QAM	25	0	21.89	22.11	22.05					
10	64QAM	25	12	22.00	22.30	21.86	22.7	3			
10	64QAM	25	25	22.07	21.99	21.96					
10	64QAM	50	0	22.11	22.19	22.01					
10	256QAM	1	0	20.08	20.08	20.00	20.7	5			
10	256QAM	1	25	19.97	20.11	19.91					
10	256QAM	1	49	20.03	20.05	20.04					
10	256QAM	12	0	20.11	20.14	20.14	20.7	5			
10	256QAM	25	12	19.94	20.11	20.14					
10	256QAM	25	25	20.11	20.08	19.95					
10	256QAM	50	0	19.98	19.91	20.01					
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	25.09	25.09	25.09	25.7				

GSM850 Ant1 DS4		Burial Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		191	189	201		191	189	201	
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	30.57	31.07	30.90	31.90	21.57	22.07	21.90	22.90	
GPRS 1 Tx slot	30.75	31.01	30.94	31.90	21.75	22.01	21.94	22.90	
GPRS 2 Tx slots	27.44	27.50	27.39	28.90	21.44	21.50	21.39	22.90	
GPRS 3 Tx slots	25.49	25.60	25.56	27.10	21.23	21.34	21.30	22.84	
GPRS 4 Tx slots	24.40	24.48	24.38	25.90	21.40	21.48	21.38	22.90	
EDGE 1 Tx slot	26.49	26.55	26.51	27.90	17.49	17.55	17.51	18.90	
EDGE 2 Tx slots	23.91	23.96	23.93	24.90	17.91	17.96	17.93	18.90	
EDGE 3 Tx slots	22.20	22.21	22.18	23.10	17.84	17.95	17.92	18.84	
EDGE 4 Tx slots	20.68	20.76	20.72	21.90	17.68	17.76	17.72	18.90	

Band		WCDMA V Ant1 DS4			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		824.4	836.4	848.6	
3GPP Rel 99	AMR 12.2Kbps	21.72	21.82	21.75	23.20
3GPP Rel 99	RMTC 12.2Kbps	21.84	21.86	21.77	23.20
3GPP Rel 6	HSDPA Subtest-1	20.86	20.80	20.80	22.20
3GPP Rel 6	HSDPA Subtest-2	20.84	20.87	20.80	22.20
3GPP Rel 6	HSDPA Subtest-3	20.35	20.36	20.23	21.70
3GPP Rel 6	HSDPA Subtest-4	20.37	20.35	20.23	21.70
3GPP Rel 8	DCHSDPA Subtest-1	20.83	20.91	20.74	22.20
3GPP Rel 8	DCHSDPA Subtest-2	20.67	20.90	20.73	22.20
3GPP Rel 8	DCHSDPA Subtest-3	20.29	20.41	20.26	21.70
3GPP Rel 8	DCHSDPA Subtest-4	20.25	20.33	20.29	21.70
3GPP Rel 6	HSUPA Subtest-1	20.78	20.82	20.79	22.20
3GPP Rel 6	HSUPA Subtest-2	18.92	18.89	18.82	20.20
3GPP Rel 6	HSUPA Subtest-3	18.90	18.86	18.84	21.20
3GPP Rel 6	HSUPA Subtest-4	18.88	18.89	18.71	20.20
3GPP Rel 6	HSUPA Subtest-5	20.79	20.82	20.74	22.20
3GPP Rel 7	HSPA+ (TTCM) Subtest-1	18.31	18.37	18.22	19.70

Band 5 Ant1 DSI4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
				20650	20625	20600				
Channel Frequency (MHz)				826.5	836.5	846.5				
10	QPSK	1	0	21.77	21.89	21.71	23	0		
10	QPSK	1	25	21.72	21.87	21.73				
10	QPSK	1	49	21.79	21.80	21.75				
10	QPSK	25	0	21.78	21.88	21.78	23	0		
10	QPSK	25	12	21.72	21.81	21.81				
10	QPSK	25	25	21.68	21.81	21.73				
10	QPSK	50	0	21.76	21.83	21.72	23	0		
10	16QAM	1	0	21.74	21.82	21.79				
10	16QAM	1	25	21.76	21.77	21.69				
10	16QAM	1	49	21.68	21.76	21.81	23	0		
10	16QAM	25	0	21.72	21.81	21.76				
10	16QAM	25	12	21.77	21.85	21.73				
10	16QAM	25	25	21.75	21.77	21.81	23	0		
10	16QAM	50	0	21.72	21.81	21.71				
10	16QAM	1	0	21.79	21.75	21.72				
10	64QAM	1	25	21.77	21.76	21.76	23	0		
10	64QAM	1	49	21.70	21.80	21.79				
10	64QAM	25	0	21.18	21.32	21.28				
10	64QAM	25	12	21.26	21.33	21.24	22.5	0.5		
10	64QAM	25	25	21.21	21.32	21.21				
10	64QAM	50	0	21.19	21.30	21.27				
10	256QAM	1	0	19.22	19.27	19.26	20.5	2.5		
10	256QAM	1	25	19.27	19.35	19.24				
10	256QAM	1	49	19.26	19.34	19.25				
10	256QAM	25	0	19.22	19.28	19.21	20.5	2.5		
10	256QAM	25	12	19.17	19.36	19.24				
10	256QAM	25	25	19.21	19.29	19.28				
10	256QAM	50	0	19.28	19.34	19.31				
Channel Frequency (MHz)				20425	20525	20625				
				826.5	836.5	846.5				
5	QPSK	1	0	21.64	21.75	21.58	23	0		
5	QPSK	1	12	21.67	21.79	21.61				
5	QPSK	1	24	21.71	21.74	21.59				
5	QPSK	12	0	21.68	21.73	21.67	23	0		
5	QPSK	12	7	21.67	21.75	21.68				
5	QPSK	12	13	21.58	21.67	21.62				
5	QPSK	25	0	21.63	21.77	21.59	23	0		
5	16QAM	1	0	21.69	21.67	21.69				
5	16QAM	1	12	21.63	21.76	21.63				
5	16QAM	1	24	21.58	21.70	21.72	23	0		
5	16QAM	12	0	21.67	21.75	21.65				
5	16QAM	12	7	21.68	21.75	21.67				
5	16QAM	12	13	21.67	21.66	21.75	23	0		
5	16QAM	25	0	21.60	21.75	21.58				
5	64QAM	1	0	21.70	21.69	21.67				
5	64QAM	1	12	21.71	21.67	21.64	23	0		
5	64QAM	1	24	21.54	21.72	21.72				
5	64QAM	12	0	21.10	21.21	21.15				
5	64QAM	12	7	21.10	21.28	21.15	22.5	0.5		
5	64QAM	12	13	21.11	21.21	21.13				
5	64QAM	25	0	21.05	21.24	21.16				
5	256QAM	1	0	19.09	19.13	19.20	20.5	2.5		
5	256QAM	1	12	19.13	19.29	19.10				
5	256QAM	1	24	19.22	19.26	19.16				
5	256QAM	12	0	19.12	19.17	19.14	20.5	2.5		
5	256QAM	12	7	19.04	19.29	19.10				
5	256QAM	12	13	19.15	19.23	19.17				
5	256QAM	25	0	19.16	19.25	19.19				
Channel Frequency (MHz)				20415	20525	20635				
				825.5	836.5	847.5				
3	QPSK	1	0	21.69	21.79	21.60	23	0		
3	QPSK	1	8	21.65	21.75	21.59				
3	QPSK	1	14	21.73	21.71	21.61				
3	QPSK	8	0	21.71	21.67	21.65	23	0		
3	QPSK	8	4	21.66	21.79	21.75				
3	QPSK	8	7	21.57	21.76	21.59				
3	QPSK	15	0	21.61	21.70	21.58	23	0		
3	16QAM	1	0	21.61	21.76	21.72				
3	16QAM	1	8	21.66	21.62	21.55				
3	16QAM	1	14	21.59	21.70	21.77	23	0		
3	16QAM	8	0	21.61	21.73	21.72				
3	16QAM	8	4	21.71	21.77	21.64				
3	16QAM	8	7	21.64	21.69	21.77	23	0		
3	16QAM	15	0	21.59	21.68	21.60				
3	64QAM	1	0	21.67	21.69	21.60				
3	64QAM	1	8	21.70	21.65	21.72	23	0		
3	64QAM	1	14	21.62	21.68	21.71				
3	64QAM	8	0	21.68	21.25	21.23				
3	64QAM	8	4	21.19	21.18	21.10	22.5	0.5		
3	64QAM	8	7	21.13	21.18	21.13				
3	64QAM	15	0	21.13	21.17	21.22				
3	256QAM	1	0	19.10	19.14	19.19	20.5	2.5		
3	256QAM	1	8	19.23	19.25	19.16				
3	256QAM	1	14	19.19	19.29	19.16				
3	256QAM	8	0	19.11	19.20	19.12	20.5	2.5		
3	256QAM	8	4	19.06	19.31	19.13				
3	256QAM	8	7	19.09	19.17	19.15				
3	256QAM	15	0	19.17	19.28	19.23				
Channel Frequency (MHz)				20407	20525	20643				
				824.7	835.5	846.3				
1.4	QPSK	1	0	21.54	21.75	21.60	23	0		
1.4	QPSK	1	3	21.57	21.75	21.61				
1.4	QPSK	1	5	21.73	21.75	21.70				
1.4	QPSK	3	0	21.69	21.65	21.72	23	0		
1.4	QPSK	3	1	21.66	21.71	21.68				
1.4	QPSK	3	3	21.58	21.73	21.59				
1.4	QPSK	6	0	21.65	21.77	21.65	23	0		
1.4	16QAM	1	0	21.59	21.77	21.74				
1.4	16QAM	1	3	21.69	21.66	21.59				
1.4	16QAM	1	5	21.60	21.66	21.68	23	0		
1.4	16QAM	3	0	21.63	21.70	21.62				
1.4	16QAM	3	1	21.54	21.76	21.67				
1.4	16QAM	3	3	21.67	21.63	21.70	23	0		
1.4	16QAM	6	0	21.56	21.76	21.55				
1.4	64QAM	1	0	21.72	21.60	21.62				
1.4	64QAM	1	3	21.67	21.71	21.68	23	0		
1.4	64QAM	1	5	21.63	21.75	21.70				
1.4	64QAM	3	0	21.14	21.26	21.21				
1.4	64QAM	3	1	21.13	21.21	21.09	22.5	0.5		
1.4	64QAM	3	3	21.13	21.28	21.07				
1.4	64QAM	6								

Band 17 Ant1 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.96	24.10	23.94	25	0	
10	QPSK	1	25	23.92	24.08	23.89			
10	QPSK	1	49	23.94	24.00	23.86			
10	QPSK	25	0	23.05	23.16	22.92			
10	QPSK	25	12	22.96	23.00	22.87	24	1	
10	QPSK	25	25	22.86	22.94	22.87			
10	QPSK	50	0	23.01	23.09	22.95			
10	16QAM	1	0	22.93	23.01	22.97			
10	16QAM	1	25	23.00	23.05	22.95	24	1	
10	16QAM	1	49	22.94	22.96	22.86			
10	16QAM	25	0	21.98	22.18	21.98			
10	16QAM	25	12	21.91	21.98	21.79			
10	16QAM	25	25	21.95	21.86	21.84	23	2	
10	16QAM	50	0	22.05	22.12	21.95			
10	64QAM	1	0	22.09	22.03	21.93			
10	64QAM	1	25	21.89	22.05	21.98			
10	64QAM	1	49	21.93	21.97	21.84	23	2	
10	64QAM	25	0	20.95	21.15	20.95			
10	64QAM	25	12	20.88	21.05	20.85			
10	64QAM	25	25	20.82	20.89	20.94			
10	64QAM	50	0	20.88	21.04	20.91	22	3	
10	256QAM	1	0	19.00	19.05	18.94			
10	256QAM	1	25	18.96	19.05	18.84			
10	256QAM	1	49	18.91	18.98	18.80			
10	256QAM	25	0	19.08	19.20	18.95	20	5	
10	256QAM	25	12	18.93	19.11	19.02			
10	256QAM	25	25	18.97	19.04	18.95			
10	256QAM	50	0	18.85	19.01	18.77			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.94	24.06	23.89	25	0	
5	QPSK	1	12	23.90	24.01	23.80			
5	QPSK	1	24	23.86	23.87	23.76			
5	QPSK	12	0	23.02	23.12	22.89			
5	QPSK	12	7	22.91	22.92	22.81	24	1	
5	QPSK	12	13	22.75	22.90	22.78			
5	QPSK	25	0	22.88	23.05	22.83			
5	16QAM	1	0	22.82	22.89	22.87			
5	16QAM	1	12	22.94	23.01	22.82	24	1	
5	16QAM	1	24	22.83	22.94	22.75			
5	16QAM	12	0	21.86	22.05	21.90			
5	16QAM	12	7	21.82	21.93	21.67			
5	16QAM	12	13	21.83	21.80	21.80	23	2	
5	16QAM	25	0	21.97	21.99	21.89			
5	64QAM	1	0	21.98	21.99	21.80			
5	64QAM	1	12	21.76	22.03	21.86			
5	64QAM	1	24	21.90	21.90	21.77	23	2	
5	64QAM	12	0	20.89	21.07	20.91			
5	64QAM	12	7	20.76	20.92	20.72			
5	64QAM	12	13	20.75	20.84	20.80			
5	64QAM	25	0	20.85	21.00	20.77	22	3	
5	256QAM	1	0	18.91	18.99	18.91			
5	256QAM	1	12	18.90	18.92	18.74			
5	256QAM	1	24	18.81	18.90	18.69			
5	256QAM	12	0	18.94	19.12	18.85	20	5	
5	256QAM	12	7	18.97	19.05	19.00			
5	256QAM	12	13	18.85	18.91	18.92			
5	256QAM	25	0	18.78	18.93	18.69			

Band 26 Ant1 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				26765	26865	26965			
15	QPSK	1	0	22.40	22.53	22.45	23.5	0	
15	QPSK	1	37	22.33	22.55	22.43			
15	QPSK	1	74	22.38	22.51	22.45			
15	QPSK	36	0	22.42	22.58	22.41			
15	QPSK	36	20	22.38	22.55	22.38	23.5	0	
15	QPSK	36	39	22.33	22.54	22.37			
15	QPSK	75	0	22.34	22.58	22.37			
15	16QAM	1	0	22.36	22.59	22.34			
15	16QAM	1	37	22.38	22.62	22.39	23.5	0	
15	16QAM	1	74	22.41	22.53	22.39			
15	16QAM	36	0	22.42	22.53	22.37			
15	16QAM	36	20	22.42	22.54	22.41			
15	16QAM	36	39	22.41	22.52	22.43	23.5	0	
15	16QAM	75	0	22.33	22.56	22.42			
15	64QAM	1	0	22.32	22.58	22.46	23.5	0	
15	64QAM	1	37	22.33	22.55	22.42			
15	64QAM	1	74	22.37	22.52	22.41			
15	64QAM	36	0	21.38	21.58	21.48			
15	64QAM	36	20	21.37	21.51	21.46	22.5	1	
15	64QAM	36	39	21.37	21.48	21.49			
15	64QAM	75	0	21.40	21.54	21.43			
15	256QAM	1	0	19.42	19.55	19.44			
15	256QAM	1	37	19.37	19.48	19.51	20.5	3	
15	256QAM	1	74	19.45	19.48	19.43			
15	256QAM	36	0	19.42	19.55	19.44			
15	256QAM	36	20	19.39	19.49	19.41			
15	256QAM	36	39	19.44	19.51	19.47	20.5	3	
15	256QAM	75	0	19.45	19.50	19.47			
Channel Frequency (MHz)				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.26	22.43	22.34	23.5	0	
10	QPSK	1	25	22.22	22.51	22.39			
10	QPSK	1	49	22.23	22.45	22.38			
10	QPSK	25	0	22.29	22.47	22.31			
10	QPSK	25	12	22.29	22.50	22.29	23.5	0	
10	QPSK	25	25	22.19	22.44	22.28			
10	QPSK	50	0	22.25	22.49	22.31			
10	16QAM	1	0	22.30	22.49	22.24			
10	16QAM	1	25	22.28	22.58	22.25	23.5	0	
10	16QAM	1	49	22.35	22.42	22.25			
10	16QAM	25	0	22.34	22.38	22.29			
10	16QAM	25	12	22.34	22.41	22.25			
10	16QAM	25	25	22.29	22.38	22.36	23.5	0	
10	16QAM	50	0	22.26	22.48	22.29			
10	64QAM	1	0	22.25	22.43	22.32			
10	64QAM	1	25	22.20	22.40	22.36			
10	64QAM	1	49	22.25	22.56	22.34	22.5	1	
10	64QAM	25	0	21.32	21.43	21.44			
10	64QAM	25	12	21.26	21.43	21.30			
10	64QAM	25	25	21.30	21.41	21.42			
10	64QAM	50	0	21.31	21.40	21.28	20.5	3	
10	256QAM	1	0	19.28	19.44	19.38			
10	256QAM	1	25	19.32	19.35	19.36			
10	256QAM	1	49	19.37	19.38	19.34			
10	256QAM	25	0	19.35	19.39	19.28	20.5	3	
10	256QAM	25	12	19.27	19.36	19.29			
10	256QAM	25	25	19.39	19.40	19.43			
10	256QAM	50	0	19.34	19.44	19.38			
Channel Frequency (MHz)				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.25	22.48	22.33	23.5	0	
5	QPSK	1	12	22.26	22.47	22.27			
5	QPSK	1	24	22.25	22.40	22.40			
5	QPSK	12	0	22.34	22.48	22.36			
5	QPSK	12	7	22.32	22.46	22.31	23.5	0	
5	QPSK	12	13	22.18	22.49	22.32			
5	QPSK	25	0	22.28	22.43	22.26			
5	16QAM	1	0	22.27	22.49	22.27			
5	16QAM	1	12	22.24	22.53	22.25	23.5		

GSM1900 An4 DS4									
GSM1900				Burst Average Power (dBm)		Frame Average Power (dBm)		Tune-up	
TX Channel				512	661	810	Limit	512	661
Frequency (MHz)				1852.2	1862	1869.8	(dBm)	1852.2	1862
GSM 1 Tx slot				29.99	30.10	30.09	31.50	20.99	21.10
GPRS 1 Tx slot				29.91	30.05	30.01	31.50	20.91	21.05
GPRS 2 Tx slots				26.92	27.04	27.02	28.50	20.92	21.04
GPRS 3 Tx slots				24.98	25.12	25.06	26.70	20.72	20.86
GPRS 4 Tx slots				23.87	23.92	23.89	25.50	20.87	20.92
EDGE 1 Tx slot				25.90	25.95	25.88	27.00	16.90	16.95
EDGE 2 Tx slots				22.88	22.71	22.64	24.00	16.68	16.71
EDGE 3 Tx slots				21.08	21.16	21.15	22.20	16.92	16.99
EDGE 4 Tx slots				19.28	19.33	19.32	21.00	16.28	16.33

WCDMA II An4 DS4									
Band				WCDMA II		WCDMA IV		Tune-up	
TX Channel				9262	9400	9538	Limit	1312	1413
Rx Channel				9662	9800	9938	(dBm)	1517	1513
Frequency (MHz)				1852.4	1860	1867.6	(dBm)	1712.4	1732.6
3GPP Rel 99				23.98	24.01	24.03	25.00	24.00	24.01
3GPP Rel 99				24.05	24.15	24.13	25.00	24.05	24.11
3GPP Rel 6				23.02	23.20	23.15	24.00	22.85	23.12
3GPP Rel 6				23.10	23.18	23.13	24.00	23.09	23.12
3GPP Rel 6				22.49	22.59	22.65	23.50	22.44	22.57
3GPP Rel 6				22.53	22.64	22.62	23.50	22.56	22.65
3GPP Rel 6				23.02	23.10	23.10	24.00	23.05	23.03
3GPP Rel 6				23.08	23.12	23.09	24.00	23.09	23.05
3GPP Rel 6				22.54	22.63	22.66	23.50	22.54	22.61
3GPP Rel 6				22.60	22.68	22.68	23.50	22.58	22.60
3GPP Rel 6				23.08	23.11	23.11	24.00	23.05	23.09
3GPP Rel 6				21.01	21.11	21.14	22.00	20.95	21.13
3GPP Rel 6				22.06	22.13	22.10	23.00	22.04	22.13
3GPP Rel 6				21.00	21.14	21.08	22.00	20.98	21.11
3GPP Rel 6				23.00	23.18	23.14	24.00	22.95	23.22
3GPP Rel 7				20.51	20.65	20.61	21.50	20.41	20.68

GSM1900 AnIs DSH		Burst-Average Power (dbm)				Tune-up		Frame-Average Power (dbm)				Tune-up	
TX Channel	Frequency (MHz)	512	661	810	Limit (dbm)		312	661	810	Limit (dbm)			
		1852.2	1850	1809.8			1852.2	1850	1809.8				
GSM 1 Tx slot		30.02	30.12	30.08	31.40		21.02	21.12	21.08	22.40			
GPRS 1 Tx slot		29.99	30.10	30.05	31.40		20.99	21.10	21.05	22.40			
GPRS 2 Tx slots		26.95	27.06	27.03	28.40		20.95	21.06	21.03	22.40			
GPRS 3 Tx slots		25.21	25.34	25.26	26.60		20.95	21.08	21.00	22.34			
GPRS 4 Tx slots		23.96	24.06	23.99	25.40		20.96	21.06	20.99	22.40			
EDGE 1 Tx slot		25.31	25.36	25.30	26.70		16.31	16.36	16.30	17.70			
EDGE 2 Tx slots		22.34	22.45	22.40	23.70		16.34	16.45	16.40	17.70			
EDGE 3 Tx slots		20.44	20.59	20.53	21.90		16.18	16.33	16.27	17.64			
EDGE 4 Tx slots		19.28	19.36	19.35	20.70		16.28	16.36	16.35	17.70			

Band		WCDMA II AnIs DSH			Tune-up		WCDMA IV AnIs DSH			Tune-up	
TX Channel	Rx Channel	9282	9400	9538	Limit (dbm)		1312	1413	1513	Limit (dbm)	
		9662	9800	9938			1537	1638	1738		
Frequency (MHz)		1722.4	1800	1807.6			1722.4	1722.4	1722.4		
3GPP Rel 99	AMR 12.2kbps	21.45	21.40	21.38	22.70		21.42	21.47	21.42	22.70	
3GPP Rel 99	RMC 12.2kbps	21.45	21.48	21.34	22.70		21.43	21.52	21.48	22.70	
3GPP Rel 6	HSDPA Subtest-1	20.41	20.46	20.30	21.70		20.58	20.51	20.29	21.70	
3GPP Rel 6	HSDPA Subtest-2	20.48	20.60	20.40	21.70		20.99	20.47	20.33	21.70	
3GPP Rel 6	HSDPA Subtest-3	19.93	20.01	19.84	21.20		19.91	20.07	19.87	21.20	
3GPP Rel 6	HSDPA Subtest-4	20.02	19.94	19.79	21.20		19.95	20.10	19.78	21.20	
3GPP Rel 8	DC-HSDPA Subtest-1	20.48	20.45	20.40	21.70		20.49	20.57	20.36	21.70	
3GPP Rel 8	DC-HSDPA Subtest-2	20.39	20.47	20.40	21.70		20.54	20.53	20.35	21.70	
3GPP Rel 8	DC-HSDPA Subtest-3	19.96	20.05	19.82	21.20		19.99	19.99	19.78	21.20	
3GPP Rel 8	DC-HSDPA Subtest-4	19.90	20.13	19.89	21.20		19.97	19.98	19.82	21.20	
3GPP Rel 6	HSUPA Subtest-1	20.50	20.51	20.37	21.70		20.58	20.58	20.30	21.70	
3GPP Rel 6	HSUPA Subtest-2	18.50	18.59	18.43	19.70		18.42	18.52	18.36	19.70	
3GPP Rel 6	HSUPA Subtest-3	19.41	19.59	19.38	20.70		19.44	19.44	19.35	20.70	
3GPP Rel 6	HSUPA Subtest-4	18.50	18.58	18.36	19.70		18.55	18.50	18.38	19.70	
3GPP Rel 6	HSUPA Subtest-5	20.43	20.49	20.42	21.70		20.47	20.40	20.27	21.70	
3GPP Rel 7	HSPA+ (15CA-M) Subtest-1	17.96	18.00	17.87	19.20		17.97	17.93	17.87	19.20	

Band 42 Ant5 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	20.73	20.88	20.74	21.5	0		
20	QPSK	1	49	20.66	20.83	20.79				
20	QPSK	1	99	20.76	20.79	20.72				
20	QPSK	50	0	20.70	20.83	20.71	21.5	0		
20	QPSK	50	24	20.67	20.78	20.79				
20	QPSK	50	50	20.76	20.80	20.75				
20	QPSK	100	0	20.76	20.80	20.74	21.5	0		
20	16QAM	1	0	20.65	20.79	20.70				
20	16QAM	1	49	20.76	20.73	20.70				
20	16QAM	1	99	20.70	20.84	20.69	21.5	0		
20	16QAM	50	0	20.75	20.84	20.76				
20	16QAM	50	24	20.65	20.81	20.72				
20	16QAM	50	50	20.70	20.83	20.78	21.5	0		
20	16QAM	100	0	20.74	20.77	20.76				
20	64QAM	1	0	20.67	20.85	20.78				
20	64QAM	1	49	20.76	20.75	20.76	21.5	0		
20	64QAM	1	99	20.75	20.74	20.77				
20	64QAM	50	0	20.74	20.79	20.75				
20	64QAM	50	24	20.68	20.78	20.78	21.5	0		
20	64QAM	50	50	20.72	20.81	20.72				
20	256QAM	100	0	20.71	20.82	20.69				
20	256QAM	1	0	19.69	19.84	19.79	20.5	1		
20	256QAM	1	49	19.73	19.75	19.70				
20	256QAM	1	99	19.73	19.74	19.76				
20	256QAM	50	0	19.73	19.84	19.79	20.5	1		
20	256QAM	50	24	19.70	19.81	19.77				
20	256QAM	50	50	19.76	19.84	19.72				
20	256QAM	100	0	19.72	19.76	19.76				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	20.60	20.64	20.65	21.5	0		
15	QPSK	1	37	20.55	20.73	20.64				
15	QPSK	1	74	20.65	20.68	20.63				
15	QPSK	36	0	20.62	20.78	20.56	21.5	0		
15	QPSK	36	20	20.55	20.73	20.74				
15	QPSK	36	39	20.65	20.69	20.69				
15	QPSK	75	0	20.68	20.75	20.60	21.5	0		
15	16QAM	1	0	20.57	20.67	20.60				
15	16QAM	1	37	20.71	20.67	20.66				
15	16QAM	1	74	20.54	20.72	20.59	21.5	0		
15	16QAM	36	0	20.60	20.71	20.63				
15	16QAM	36	20	20.65	20.71	20.57				
15	16QAM	36	39	20.58	20.74	20.71	21.5	0		
15	16QAM	75	0	20.58	20.68	20.62				
15	64QAM	1	0	20.51	20.76	20.69				
15	64QAM	1	37	20.61	20.62	20.70	21.5	0		
15	64QAM	1	74	20.70	20.65	20.65				
15	64QAM	36	0	20.69	20.69	20.66				
15	64QAM	36	20	20.53	20.65	20.70	21.5	0		
15	64QAM	36	39	20.67	20.76	20.66				
15	64QAM	75	0	20.59	20.68	20.63				
15	256QAM	1	0	19.56	19.73	19.70	20.5	1		
15	256QAM	1	37	19.67	19.64	19.54				
15	256QAM	1	74	19.67	19.70	19.71				
15	256QAM	36	0	19.62	19.72	19.64	20.5	1		
15	256QAM	36	20	19.56	19.67	19.61				
15	256QAM	36	39	19.64	19.77	19.65				
15	256QAM	75	0	19.59	19.63	19.63				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3453	3500	3545				
10	QPSK	1	0	20.63	20.61	20.68	21.5	0		
10	QPSK	1	25	20.59	20.77	20.70				
10	QPSK	1	49	20.69	20.73	20.66				
10	QPSK	25	0	20.61	20.70	20.57	21.5	0		
10	QPSK	25	12	20.61	20.63	20.64				
10	QPSK	25	25	20.64	20.69	20.67				
10	QPSK	50	0	20.61	20.67	20.68	21.5	0		
10	16QAM	1	0	20.51	20.65	20.54				
10	16QAM	1	25	20.70	20.67	20.63				
10	16QAM	1	49	20.60	20.68	20.61	21.5	0		
10	16QAM	25	0	20.68	20.75	20.61				
10	16QAM	25	12	20.57	20.69	20.63				
10	16QAM	25	25	20.54	20.68	20.67	21.5	0		
10	16QAM	50	0	20.69	20.67	20.63				
10	64QAM	1	0	20.53	20.72	20.68				
10	64QAM	1	25	20.69	20.70	20.68	21.5	0		
10	64QAM	1	49	20.66	20.68	20.72				
10	64QAM	25	0	20.65	20.65	20.70				
10	64QAM	25	12	20.52	20.65	20.66	21.5	0		
10	64QAM	25	25	20.60	20.76	20.65				
10	64QAM	50	0	20.60	20.73	20.64				
10	256QAM	1	0	19.58	19.70	19.63	20.5	1		
10	256QAM	1	25	19.58	19.66	19.66				
10	256QAM	1	49	19.60	19.63	19.65				
10	256QAM	25	0	19.61	19.71	19.64	20.5	1		
10	256QAM	25	12	19.66	19.70	19.63				
10	256QAM	25	25	19.65	19.71	19.67				
10	256QAM	50	0	19.56	19.71	19.65				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	20.61	20.60	20.61	21.5	0		
5	QPSK	1	12	20.58	20.78	20.66				
5	QPSK	1	24	20.70	20.69	20.62				
5	QPSK	12	0	20.62	20.69	20.66	21.5	0		
5	QPSK	12	7	20.56	20.70	20.71				
5	QPSK	12	13	20.70	20.67	20.63				
5	QPSK	25	0	20.64	20.65	20.68	21.5	0		
5	16QAM	1	0	20.52	20.64	20.55				
5	16QAM	1	12	20.67	20.61	20.55				
5	16QAM	1	24	20.61	20.74	20.63	21.5	0		
5	16QAM	12	0	20.68	20.72	20.66				
5	16QAM	12	7	20.54	20.71	20.64				
5	16QAM	12	13	20.60	20.70	20.67	21.5	0		
5	16QAM	25	0	20.66	20.67	20.63				
5	64QAM	1	0	20.62	20.74	20.65				
5	64QAM	1	12	20.70	20.63	20.70	21.5	0		
5	64QAM	1	24	20.60	20.67	20.67				
5	64QAM	12	0	20.62	20.73	20.69				
5	64QAM	12	7	20.59	20.63	20.70	21.5	0		
5	64QAM	12	13	20.57	20.67	20.64				
5	64QAM	25	0	20.63	20.76	20.53				
5	256QAM	1	0	19.60	19.78	19.68	20.5	1		
5	256QAM	1	12	19.68	19.67	19.65				
5	256QAM	1	24	19.63	19.63	19.64				
5	256QAM	12	0	19.62	19.70	19.74	20.5	1		
5	256QAM	12	7	19.55	19.72	19.73				
5	256QAM	12	13	19.62	19.69	19.71				
5	256QAM	25	0	19.67	19.66	19.71				

Band 4 Ant6 DSI4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Int (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.70	20.70	20.70	22	0						
20	QPSK	1	49	20.74	20.77	20.68								
20	QPSK	1	99	20.77	20.77	20.77								
20	QPSK	50	0	20.78	20.91	20.70								
20	QPSK	50	24	20.76	20.76	20.72	22	0						
20	QPSK	50	49	20.77	20.77	20.77								
20	QPSK	100	0	20.69	20.93	20.65								
20	QPSK	100	0	20.63	20.75	20.76								
20	HQAM	1	0	20.75	20.85	20.74	22	0						
20	HQAM	1	49	20.78	20.81	20.77								
20	HQAM	50	0	20.76	20.87	20.67								
20	HQAM	50	24	20.77	20.80	20.72								
20	HQAM	100	0	20.65	20.76	20.76	22	0						
20	HQAM	100	0	20.63	20.87	20.80								
20	HQAM	1	49	20.71	20.77	20.78								
20	HQAM	1	99	20.75	20.76	20.71								
20	HQAM	50	0	20.14	20.25	20.25	21.5	0.5						
20	HQAM	50	24	20.20	20.30	20.15								
20	HQAM	50	50	20.20	20.30	20.20								
20	HQAM	100	0	20.15	20.30	20.27								
20	25QAM	1	0	18.15	18.26	18.16	19.5	2.5						
20	25QAM	1	49	18.27	18.31	18.22								
20	25QAM	50	0	18.26	18.36	18.15								
20	25QAM	50	0	18.16	18.36	18.20								
20	25QAM	50	24	18.14	18.28	18.25	19.5	2.5						
20	25QAM	50	50	18.23	18.39	18.11								
20	25QAM	100	0	18.26	18.31	18.19								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.67	20.76	20.67	22	0						
15	QPSK	1	37	20.62	20.67	20.57								
15	QPSK	74	0	20.62	20.62	20.62								
15	QPSK	36	0	20.60	20.81	20.70								
15	QPSK	36	20	20.72	20.61	20.56	22	0						
15	QPSK	36	39	20.73	20.84	20.61								
15	QPSK	75	0	20.64	20.79	20.63								
15	HQAM	1	0	20.54	20.58	20.61								
15	HQAM	36	0	20.73	20.80	20.62	22	0						
15	HQAM	36	1	20.65	20.71	20.71								
15	HQAM	36	0	20.72	20.76	20.54								
15	HQAM	36	20	20.73	20.61	20.55								
15	HQAM	36	39	20.67	20.62	20.60	22	0						
15	HQAM	75	0	20.61	20.73	20.66								
15	HQAM	75	0	20.58	20.70	20.59								
15	HQAM	1	37	20.63	20.74	20.73								
15	HQAM	1	74	20.68	20.59	20.61	22	0						
15	HQAM	36	0	20.59	20.54	20.10								
15	HQAM	36	20	20.51	20.17	20.05								
15	HQAM	36	39	20.15	20.18	20.06								
15	HQAM	75	0	20.02	20.15	20.05	21.5	0.5						
15	25QAM	1	0	18.05	18.17	18.06								
15	25QAM	1	37	18.12	18.27	18.09								
15	25QAM	36	0	18.17	18.20	18.10								
15	25QAM	36	0	18.05	18.28	18.10	19.5	2.5						
15	25QAM	36	20	18.13	18.26	18.10								
15	25QAM	75	0	18.13	18.36	18.09								
15	25QAM	75	0	18.22	18.27	18.08								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.62	20.75	20.66	22	0						
10	QPSK	1	25	20.70	20.68	20.57								
10	QPSK	49	0	20.59	20.60	20.59								
10	QPSK	25	0	20.70	20.69	20.70								
10	QPSK	25	12	20.68	20.65	20.62	22	0						
10	QPSK	25	25	20.73	20.80	20.65								
10	QPSK	50	0	20.62	20.77	20.63								
10	HQAM	1	0	20.59	20.59	20.61								
10	HQAM	25	0	20.65	20.67	20.66	22	0						
10	HQAM	25	1	20.67	20.68	20.65								
10	HQAM	25	0	20.60	20.69	20.60								
10	HQAM	25	12	20.62	20.66	20.65								
10	HQAM	50	0	20.63	20.66	20.66	22	0						
10	HQAM	50	0	20.63	20.66	20.66								
10	HQAM	50	0	20.47	20.69	20.59								
10	HQAM	1	25	20.58	20.61	20.73								
10	HQAM	25	0	20.67	20.13	20.14	21.5	0.5						
10	HQAM	25	12	20.12	20.21	19.99								
10	HQAM	25	25	20.64	20.25	20.15								
10	HQAM	50	0	20.05	20.16	20.12								
10	25QAM	1	0	17.97	18.19	18.03	19.5	2.5						
10	25QAM	25	0	18.21	18.25	18.05								
10	25QAM	1	49	18.21	18.32	18.01								
10	25QAM	25	0	18.06	18.19	18.16								
10	25QAM	12	0	18.02	18.20	18.15	19.5	2.5						
10	25QAM	25	0	18.12	18.23	18.10								
10	25QAM	25	25	18.19	18.30	17.95								
10	25QAM	50	0	18.22	18.15	18.17								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.55	20.80	20.67	22	0						
5	QPSK	1	12	20.66	20.64	20.61								
5	QPSK	14	0	20.51	20.67	20.54								
5	QPSK	12	0	20.72	20.73	20.60								
5	QPSK	12	7	20.71	20.67	20.61	22	0						
5	QPSK	12	13	20.62	20.77	20.66								
5	QPSK	25	0	20.59	20.76	20.67								
5	HQAM	1	0	20.61	20.73	20.63								
5	HQAM	1	12	20.62	20.81	20.68	22	0						
5	HQAM	1	24	20.65	20.63	20.70								
5	HQAM	12	0	20.72	20.80	20.65								
5	HQAM	12	7	20.62	20.73	20.56								
5	HQAM	12	13	20.64	20.69	20.63	22	0						
5	HQAM	25	0	20.63	20.70	20.56								
5	HQAM	25	0	20.61	20.73	20.63								
5	HQAM	1	12	20.67	20.72	20.75								
5	HQAM	12	0	20.62	20.70	20.60	21.5	0.5						
5	HQAM	12	7	20.10	20.17	20.03								
5	HQAM	12	13	20.16	20.28	20.10								
5	HQAM	25	0	20.02	20.15	20.20								
5	25QAM	1	0	17.97	18.15	18.07	19.5	2.5						
5	25QAM	12	0	18.12	18.25	18.06								
5	25QAM	1	24	18.19	18.29	18.09								
5	25QAM	12	0	18.02	18.32	18.17								
5	25QAM	12	7	18.12										

Band 38 Ant6 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150	23.4	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.37	22.40	22.38	23.4	0	
20	QPSK	1	49	22.27	22.30	22.28			
20	QPSK	1	99	22.35	22.32	22.36			
20	QPSK	50	0	22.30	22.36	22.33			
20	QPSK	50	24	22.17	22.27	22.24	23.4	0	
20	QPSK	50	50	22.25	22.24	22.30			
20	QPSK	100	0	22.32	22.33	22.26			
20	16QAM	1	0	22.19	22.30	22.29			
20	16QAM	1	49	22.08	22.24	22.16	23.4	0	
20	16QAM	1	99	22.19	22.17	22.21			
20	16QAM	50	0	21.26	21.38	21.36			
20	16QAM	50	24	21.17	21.26	21.25			
20	16QAM	50	50	21.29	21.19	21.32	22.4	1	
20	16QAM	100	0	21.29	21.37	21.30			
20	64QAM	1	0	21.15	21.31	21.27			
20	64QAM	1	49	21.11	21.27	21.10			
20	64QAM	1	99	21.14	21.21	21.24	21.4	2	
20	64QAM	50	0	20.24	20.33	20.29			
20	64QAM	50	24	20.11	20.28	20.27			
20	64QAM	50	50	20.19	20.25	20.24			
20	64QAM	100	0	20.27	20.33	20.29	19.4	4	
20	256QAM	1	0	18.25	18.36	18.32			
20	256QAM	1	49	18.17	18.22	18.24			
20	256QAM	1	99	18.20	18.19	18.34			
20	256QAM	50	0	18.37	18.36	18.24	19.4	4	
20	256QAM	50	24	18.20	18.25	18.31			
20	256QAM	50	50	18.08	18.27	18.13			
20	256QAM	100	0	18.14	18.21	18.19			
Channel				37625	38000	38175	23.4	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.33	22.36	22.28	23.4	0	
15	QPSK	1	37	22.25	22.17	22.24			
15	QPSK	1	74	22.29	22.19	22.28			
15	QPSK	36	0	22.17	22.29	22.21			
15	QPSK	36	20	22.07	22.21	22.14	23.4	0	
15	QPSK	36	39	22.15	22.14	22.26			
15	QPSK	75	0	22.19	22.21	22.16			
15	16QAM	1	0	22.15	22.20	22.25			
15	16QAM	1	37	21.95	22.11	22.03	22.4	1	
15	16QAM	1	74	22.12	22.13	22.10			
15	16QAM	36	0	21.15	21.29	21.25			
15	16QAM	36	20	21.06	21.15	21.15			
15	16QAM	36	39	21.22	21.16	21.26	22.4	1	
15	16QAM	75	0	21.26	21.26	21.20			
15	64QAM	1	0	21.05	21.28	21.15			
15	64QAM	1	37	21.00	21.26	21.05			
15	64QAM	1	74	21.09	21.11	21.13	21.4	2	
15	64QAM	36	0	20.15	20.31	20.16			
15	64QAM	36	20	20.05	20.23	20.16			
15	64QAM	36	39	20.12	20.14	20.22			
15	64QAM	75	0	20.25	20.28	20.17	19.4	4	
15	256QAM	1	0	18.13	18.31	18.24			
15	256QAM	1	37	18.05	18.13	18.11			
15	256QAM	1	74	18.07	18.10	18.32			
15	256QAM	36	0	18.24	18.28	18.20	19.4	4	
15	256QAM	36	20	18.09	18.14	18.25			
15	256QAM	36	39	17.98	18.20	18.05			
15	256QAM	75	0	18.07	18.09	18.15			
Channel				37600	38000	38200	23.4	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.27	22.32	22.29	23.4	0	
10	QPSK	1	25	22.21	22.28	22.23			
10	QPSK	1	49	22.27	22.29	22.22			
10	QPSK	25	0	22.21	22.29	22.21			
10	QPSK	25	12	22.07	22.22	22.14	23.4	0	
10	QPSK	25	25	22.13	22.20	22.17			
10	QPSK	50	0	22.24	22.25	22.16			
10	16QAM	1	0	22.06	22.21	22.17			
10	16QAM	1	25	21.99	22.11	22.11	23.4	0	
10	16QAM	1	49	22.08	22.09	22.13			
10	16QAM	25	0	21.20	21.29	21.25			
10	16QAM	25	12	21.13	21.18	21.22			
10	16QAM	25	25	21.26	21.10	21.26	22.4	1	
10	16QAM	50	0	21.21	21.29	21.22			
10	64QAM	1	0	21.03	21.21	21.22			
10	64QAM	1	25	21.01	21.17	21.08			
10	64QAM	1	49	21.11	21.11	21.20	21.4	2	
10	64QAM	25	0	20.18	20.26	20.24			
10	64QAM	25	12	20.05	20.23	20.21			
10	64QAM	25	25	20.11	20.19	20.18			
10	64QAM	50	0	20.16	20.24	20.17	19.4	4	
10	256QAM	1	0	18.22	18.26	18.30			
10	256QAM	1	25	18.15	18.10	18.14			
10	256QAM	1	49	18.08	18.13	18.28			
10	256QAM	25	0	18.32	18.32	18.18	19.4	4	
10	256QAM	25	12	18.14	18.16	18.25			
10	256QAM	25	25	17.99	18.18	18.00			
10	256QAM	50	0	18.09	18.13	18.13			
Channel				37775	38000	38225	23.4	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.31	22.28	22.27	23.4	0	
5	QPSK	1	12	22.25	22.27	22.23			
5	QPSK	1	24	22.25	22.19	22.28			
5	QPSK	12	0	22.19	22.28	22.24			
5	QPSK	12	7	22.13	22.13	22.16	23.4	0	
5	QPSK	12	13	22.17	22.18	22.24			
5	QPSK	25	0	22.28	22.20	22.20			
5	16QAM	1	0	22.10	22.25	22.26			
5	16QAM	1	12	21.96	22.18	22.07	23.4	0	
5	16QAM	1	24	22.07	22.09	22.16			
5	16QAM	12	0	21.15	21.33	21.27			
5	16QAM	12	7	21.10	21.20	21.20			
5	16QAM	12	13	21.25	21.14	21.24	22.4	1	
5	16QAM	25	0	21.25	21.23	21.20			
5	64QAM	1	0	21.08	21.28	21.18			
5	64QAM	1	12	21.01	21.16	21.05			
5	64QAM	1	24	21.10	21.11	21.17	21.4	2	
5	64QAM	12	0	20.17	20.29	20.23			
5	64QAM	12	7	20.00	20.22	20.15			
5	64QAM	12	13	20.11	20.17	20.11			
5	64QAM	25	0	20.16	20.30	20.16	19.4	4	
5	256QAM	1	0	18.14	18.29	18.24			
5	256QAM	1	12	18.06	18.10	18.20			
5	256QAM	1	24	18.06	18.14	18.31			
5	256QAM	12	0	18.30	18.25	18.20	19.4	4	
5	256QAM	12	7	18.11	18.19	18.18			
5	256QAM	12	13	18.04	18.19	18.00			
5	256QAM	25	0	18.03	18.07	18.08			

Band 41 Ant6 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40165	40620	41085	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.44	22.45	22.53	22.40	22.47	23.4	0
20	QPSK	1	49	22.48	22.37	22.41	22.42	22.31		
20	QPSK	1	99	22.33	22.34	22.36	22.28	22.42		
20	QPSK	50	0	22.40	22.27	22.48	22.38	22.44	23.4	0
20	QPSK	50	24	22.37	22.35	22.35	22.30	22.25		
20	QPSK	50	50	22.22	22.28	22.29	22.14	22.29		
20	QPSK	100	0	22.35	22.41	22.43	22.29	22.37	23.4	0
20	16QAM	1	0	22.34	22.38	22.40	22.32	22.34		
20	16QAM	1	49	22.35	22.31	22.31	22.35	22.44		
20	16QAM	1	99	22.44	22.28	22.27	22.18	22.30	23.4	0
20	16QAM	50	0	21.44	21.35	21.63	21.38	21.49		
20	16QAM	50	24	21.36	21.37	21.36	21.35	21.29		
20	16QAM	50	50	20.50	21.17	21.34	21.30	21.16	22.4	1
20	16QAM	100	0	21.36	21.39	21.46	21.31	21.33		
20	64QAM	1	0	21.35	21.35	21.43	21.26	21.32		
20	64QAM	1	49	21.31	21.37	21.35	21.32	21.21	22.4	1
20	64QAM	1	99	21.23	21.35	21.35	21.10	21.28		
20	64QAM	50	0	20.45	20.38	20.50	20.34	20.49		
20	64QAM	50	24	20.40	20.28	20.34	20.41	20.26	21.4	2
20	64QAM	50	50	20.18	20.31	20.27	20.15	20.25		
20	64QAM	100	0	20.34	20.39	20.45	20.28	20.33		
20	256QAM	1	0	18.46	18.32	18.31	18.33	18.48	19.4	4
20	256QAM	1	49	18.37	18.27	18.35	18.34	18.25		
20	256QAM	1	99	18.17	18.28	18.33	18.15	18.27		
20	256QAM	50	0	18.37	18.46	18.40	18.34	18.34	19.4	4
20	256QAM	50	24	18.33	18.42	18.44	18.34	18.37		
20	256QAM	50	50	18.40	18.36	18.28	18.36	18.15		
20	256QAM	100	0	18.21	18.27	18.30	18.13	18.25	19.4	4
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.39	22.36	22.47	22.28	22.34	23.40	0
15	QPSK	1	37	22.35	22.30	22.34	22.32	22.18		
15	QPSK	1	74	22.28	22.25	22.26	22.19	22.25		
15	QPSK	36	0	22.28	22.25	22.37	22.25	22.38	23.4	0
15	QPSK	36	20	22.23	22.28	22.24	22.37	22.12		
15	QPSK	36	39	22.10	22.20	22.17	22.05	22.21		
15	QPSK	75	0	22.31	22.34	22.29	22.15	22.33	23.4	0
15	16QAM	1	0	22.32	22.29	22.33	22.20	22.22		
15	16QAM	1	37	22.30	22.28	22.28	22.24	22.12		
15	16QAM	1	74	22.21	22.24	22.16	22.08	22.21	22.4	1
15	16QAM	36	0	21.36	21.28	21.42	21.31	21.35		
15	16QAM	36	20	21.29	21.26	21.33	21.31	21.22		
15	16QAM	36	39	21.14	21.28	21.20	21.12	21.25	22.4	1
15	16QAM	75	0	21.24	21.35	21.39	21.23	21.25		
15	64QAM	1	0	21.22	21.24	21.36	21.23	21.29		
15	64QAM	1	37	21.26	21.28	21.28	21.23	21.19	22.4	1
15	64QAM	1	74	21.12	21.21	21.14	21.04	21.18		
15	64QAM	36	0	20.39	20.24	20.44	20.25	20.41		
15	64QAM	36	20	20.30	20.20	20.30	20.38	20.23	21.4	2
15	64QAM	36	39	20.08	20.27	20.16	20.09	20.17		
15	64QAM	75	0	20.21	20.29	20.36	20.20	20.21		
15	256QAM	1	0	18.36	18.25	18.45	18.27	18.37	19.4	4
15	256QAM	1	37	18.29	18.22	18.32	18.31	18.22		
15	256QAM	1	74	18.15	18.22	18.22	18.10	18.25		
15	256QAM	36	0	18.27	18.35	18.28	18.30	18.23	19.4	4
15	256QAM	36	20	18.19	18.35	18.32	18.22	18.33		
15	256QAM	36	39	18.37	18.26	18.19	18.28	18.01		
15	256QAM	75	0	18.10	18.20	18.22	17.99	18.20	23.40	0
Channel				39700 <th>40160<th>40620<th>41080<th>41540</th></th></th></th>	40160 <th>40620<th>41080<th>41540</th></th></th>	40620 <th>41080<th>41540</th></th>	41080 <th>41540</th>	41540		
Frequency (MHz)				2501 <th>2547<th>2593<th>2639<th>2685</th></th></th></th>	2547 <th>2593<th>2639<th>2685</th></th></th>	2593 <th>2639<th>2685</th></th>	2639 <th>2685</th>	2685		
10	QPSK	1	0	22.43	22.34	22.45	22.34	22.37	23.40	0
10	QPSK	1	25	22.37	22.34	22.36	22.31	22.23		
10	QPSK	1	49	22.19	22.23	22.32	22.24	22.29		
10	QPSK	25	0	22.31	22.32	22.29	22.35	22.35	23.4	0
10	QPSK	25	12	22.27	22.23	22.31	22.31	22.17		
10	QPSK	25	25	22.19	22.20	22.21	22.02	22.25		
10	QPSK	36	0	22.32	22.38	22.31	22.21	22.22	23.4	0
10	16QAM	1	0	22.22	22.28	22.38	22.21	22.22		
10	16QAM	1	25	22.27	22.23	22.22	22.32	22.06		
10	16QAM	1	49	21.44	22.23	21.18	22.09	22.27	22.4	1
10	16QAM	25	0	21.36	21.31	21.46	21.32	21.35		
10	16QAM	25	12	21.29	21.25	21.26	21.32	21.23		
10	16QAM	25	25	21.05	21.29	21.28	21.04	21.22	22.4	1
10	16QAM	50	0	21.28	21.35	21.44	21.19	21.28		
10	64QAM	1	0	21.28	21.26	21.36	21.20	21.22		
10	64QAM	1	25	21.19	21.30	21.29	21.29	21.16	22.4	1
10	64QAM	1	49	21.11	21.16	21.22	21.04	21.24		
10	64QAM	1	99	20.33	20.24	20.35	20.27	20.37		
10	64QAM	25	12	20.33	20.24	20.29	20.36	20.21	21.4	2
10	64QAM	25	25	20.09	20.17	20.19	20.08	20.23		
10	64QAM	50	0	20.23	20.32	20.43	20.15	20.20		
10	256QAM	1	0	18.38	18.26	18.47	18.30	18.42	19.4	4
10	256QAM	1	25	18.28	18.14	18.26	18.27	18.21		
10	256QAM	1	49	18.18	18.14	18.19	18.02	18.15		
10	256QAM	25	0	18.24	18.32	18.29	18.27	18.21	19.4	4
10	256QAM	25	12	18.23	18.30	18.39	18.32	18.24		
10	256QAM	25	25	18.32	18.30	18.16	18.32	18.08		
10	256QAM	50	0	18.09	18.16	18.16	18.02	18.15	23.40	0
Channel				2498.5	2545.8	2593	2640.0	2687.5		
Frequency (MHz)				20 <th>22.33<th>22.43<th>22.31<th>22.42</th></th></th></th>	22.33 <th>22.43<th>22.31<th>22.42</th></th></th>	22.43 <th>22.31<th>22.42</th></th>	22.31 <th>22.42</th>	22.42		
5	QPSK	1	12	22.45	22.26	22.33	22.36	22.18	23.40	0
5	QPSK	1	24	22.22	22.25	22.29	22.26	22.30		
5	QPSK	12	0	22.34	22.24	22.38	22.25	22.32		
5	QPSK	12	6	22.30	22.25	22.32	22.28	22.12	23.4	0
5	QPSK	12	13	22.17	22.19	22.16	22.04	22.22		
5	QPSK	25	0	22.24	22.31	22.40	22.15	22.29		
5	16QAM	1	0	22.28	22.27	22.31	22.27	22.29	23.4	0
5	16QAM	1	12	22.24	22.26	22.23	22.32	22.21		
5	16QAM	1	24	22.19	22.31	22.25	22.27	22.24		
5	16QAM	12	0	21.41	21.33	21.40	21.27	21.31	22.4	1
5	16QAM	12	7	21.24	21.26	21.25	21.25	21.15		
5	16QAM	12	13	21.14	21.30	21.23	21.11	21.20		
5	16QAM	25	0	21.24	21.37	21.36	21.19	21.24	22.4	1
5	64QAM	1	0	21.22	21.27	21.35	21.16	21.20		
5	64QAM	1	24	21.23	21.35	21.33	21.28	21.08		
5	64QAM	1	24	21.11	21.27	21.21	20.98	21.20	21.4	2
5	64QAM	12	0	20.43	20.23	20.43	20.30	20.46		
5	64QAM	12	7	20.27	20.22	20.22	20.34	20.23		
5	64QAM	25	0	20.08	20.24	20.14	20.04	20.14	19.4	4
5	64QAM	25	6	20.31	20.32	20.36	20.19	20.26		
5	256QAM	1	0	18.40	18.21	18.47	18.26	18.38		
5	256QAM	1	12	18.29	18.24	18.35	18.22	18.14	19.4	4
5	256QAM	1	24	18.08	18.14	18.23	18.12	18.16		
5	256QAM	12	0	18.30	18.41	18.35	18.31	18.30		
5	256QAM	12	7	18.25	18.35	18.41	18.32	18.33	19.4	4
5	256QAM	25	0	18.16	18.25	18.28	18.28	18.12		
5	256QAM	25	6	18.08	18.24	18.27	18.07	18.13		

Reduced Power Mode for DSIS

GSM/GPRS And DSIS		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		32.12	32.15	32.11		23.12	23.15	23.11	
GPRS 1 Tx slot		32.02	32.06	32.01	33.00	23.02	23.06	23.01	24.00
GPRS 2 Tx slots		28.91	28.93	28.90	30.00	22.91	22.93	22.90	24.00
GPRS 3 Tx slots		27.25	27.30	27.22	28.20	22.99	23.04	22.96	23.94
GPRS 4 Tx slots		26.09	26.11	26.05	27.00	23.09	23.11	23.05	24.00
EDGE 1 Tx slot		26.00	26.05	26.02	28.00	17.00	17.05	17.02	19.00
EDGE 2 Tx slots		23.98	24.03	23.95	25.00	17.98	18.03	17.95	19.00
EDGE 3 Tx slots		21.99	22.06	22.01	23.20	17.73	17.80	17.75	18.94
EDGE 4 Tx slots		21.15	21.27	21.21	22.00	16.15	16.27	16.21	19.00

Band		WCDMA V And DSIS			Tune-up Limit (dBm)
TX Channel		4152	4182	4233	
Rx Channel		4357	4407	4458	(dBm)
Frequency (MHz)		836.4	838.4	848.6	
3GPP Rel 99 AMR 12.2Kbps		24.16	24.28	24.13	25.00
3GPP Rel 99 RMC 12.2Kbps		24.26	24.35	24.22	26.00
3GPP Rel 6 HSDPA Subtest-1		23.29	23.33	23.18	24.00
3GPP Rel 6 HSDPA Subtest-2		23.24	23.35	23.23	24.00
3GPP Rel 6 HSDPA Subtest-3		22.74	22.89	22.77	23.50
3GPP Rel 6 HSDPA Subtest-4		22.76	22.86	22.68	23.50
3GPP Rel 6 DCHSDPA Subtest-1		23.20	23.35	23.22	24.00
3GPP Rel 6 DCHSDPA Subtest-2		23.20	23.39	23.22	24.00
3GPP Rel 6 DCHSDPA Subtest-3		22.75	22.90	22.68	23.50
3GPP Rel 6 DCHSDPA Subtest-4		22.76	22.86	22.67	23.50
3GPP Rel 6 HSUPA Subtest-1		23.29	23.40	23.22	24.00
3GPP Rel 6 HSUPA Subtest-2		21.23	21.36	21.28	22.00
3GPP Rel 6 HSUPA Subtest-3		22.20	22.41	22.17	23.00
3GPP Rel 6 HSUPA Subtest-4		21.26	21.32	21.22	22.00
3GPP Rel 6 HSUPA Subtest-5		23.22	23.32	23.25	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		20.81	20.88	20.74	21.50

Band 5 Ant0 DS15										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq.	Power Middle Ch. Freq.	Power Edge Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				826	836.5	844				
10	QPSK	1	0	25.19	25.21	25.16				
10	QPSK	1	25	25.20	25.17	25.07	25.7	0		
10	QPSK	1	49	25.19	25.16	25.07				
10	QPSK	25	0	24.16	24.23	24.22				
10	QPSK	25	12	24.19	24.13	24.08				
10	QPSK	25	25	24.14	24.19	24.11	24.7	1		
10	QPSK	50	0	24.16	24.25	24.19				
10	16QAM	1	0	24.17	24.21	24.21				
10	16QAM	1	25	24.13	24.10	24.05	24.7	1		
10	16QAM	1	49	24.13	24.14	24.07				
10	16QAM	25	0	23.18	23.22	23.28				
10	16QAM	25	12	23.19	23.08	23.03				
10	16QAM	25	25	23.13	23.20	23.15	23.7	2		
10	16QAM	50	0	23.12	23.17	23.14				
10	64QAM	1	0	23.14	23.20	23.21				
10	64QAM	1	25	23.14	23.07	23.02	23.7	2		
10	64QAM	1	49	23.14	23.15	23.03				
10	64QAM	25	0	22.13	22.21	22.16				
10	64QAM	25	12	22.17	22.17	22.14	22.7	3		
10	64QAM	25	25	22.15	22.15	22.10				
10	64QAM	50	0	22.20	22.21	22.13				
10	256QAM	1	0	20.19	20.28	20.25				
10	256QAM	1	25	20.15	20.10	20.11	20.7	5		
10	256QAM	1	49	20.12	20.21	20.16				
10	256QAM	25	0	20.14	20.17	20.18				
10	256QAM	25	12	20.05	20.10	20.23				
10	256QAM	25	25	20.16	20.13	20.10	20.7	5		
10	256QAM	50	0	20.18	20.19	20.02				
Channel				20425	20500	20525	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	25.05	25.16	25.07				
5	QPSK	1	12	25.06	25.07	24.97	25.7	0		
5	QPSK	1	24	25.13	25.07	24.98				
5	QPSK	12	0	24.07	24.12	24.15				
5	QPSK	12	7	24.06	24.01	24.03	24.7	1		
5	QPSK	12	13	24.09	24.12	24.03				
5	QPSK	25	0	24.10	24.07	24.03				
5	16QAM	1	0	23.99	24.04	24.15				
5	16QAM	1	12	24.05	24.02	23.94	24.7	1		
5	16QAM	1	24	24.01	24.06	23.95				
5	16QAM	12	0	23.05	23.14	23.18				
5	16QAM	12	7	23.10	23.07	22.90	23.7	2		
5	16QAM	12	13	23.09	23.07	22.93				
5	16QAM	25	0	23.08	23.23	23.22				
5	64QAM	1	0	23.00	23.08	23.12				
5	64QAM	1	12	23.11	22.97	22.96	23.7	2		
5	64QAM	1	24	23.08	23.03	22.92				
5	64QAM	12	0	22.03	22.20	22.14				
5	64QAM									

Band 12 AnT0 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Middle Ch. [Freq]	Power High Ch. [Freq]	Time-up limit (dBm)	MPR (dB)	
Channel				23000	23005	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.72	24.78	24.73			
10	QPSK	1	25	24.67	24.71	24.60		25.5	0
10	QPSK	1	49	24.60	24.64	24.71			
10	QPSK	25	0	23.68	23.92	23.68			
10	QPSK	25	12	23.68	23.73	23.55		24.5	1
10	QPSK	25	25	23.62	23.74	23.66			
10	QPSK	50	0	23.71	23.79	23.75			
10	16QAM	1	0	23.75	23.73	23.72		24.5	1
10	16QAM	1	25	23.65	23.71	23.64			
10	16QAM	1	49	23.61	23.72	23.71			
10	16QAM	25	0	22.64	22.85	22.71			
10	16QAM	25	12	22.68	22.74	22.51		23.5	2
10	16QAM	25	25	22.57	22.74	22.64			
10	16QAM	50	0	22.67	22.81	22.75			
10	64QAM	1	0	22.70	22.79	22.75			
10	64QAM	1	25	22.63	22.76	22.69		23.5	2
10	64QAM	1	49	22.65	22.75	22.70			
10	64QAM	25	0	21.81	21.85	21.71			
10	64QAM	25	12	21.72	21.72	21.59		22.5	3
10	64QAM	25	25	21.52	21.70	21.60			
10	256QAM	50	0	21.67	21.78	21.75			
10	256QAM	1	0	19.67	19.87	19.81			
10	256QAM	1	25	19.74	19.73	19.74		20.5	5
10	256QAM	1	49	19.62	19.73	19.67			
10	256QAM	25	0	19.77	19.85	19.85			
10	256QAM	25	12	19.78	19.74	19.77		20.5	5
10	256QAM	25	25	19.68	19.68	19.66			
10	256QAM	50	0	19.62	19.68	19.77			
Channel				23035	23095	23155	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.53	24.65	24.69			
5	QPSK	1	12	24.53	24.49	24.53		25.5	0
5	QPSK	1	24	24.55	24.61	24.66			
5	QPSK	12	0	23.57	23.74	23.57			
5	QPSK	12	7	23.60	23.66	23.51		24.5	1
5	QPSK	12	13	23.57	23.69	23.55			
5	QPSK	25	0	23.65	23.71	23.61			
5	16QAM	1	0	23.62	23.60	23.62			
5	16QAM	1	12	23.53	23.60	23.52		24.5	1
5	16QAM	1	24	23.51	23.64	23.58			
5	16QAM	12	0	22.56	22.73	22.67			
5	16QAM	12	7	22.65	22.62	22.47		23.5	2
5	16QAM	12	13	22.62	22.70	22.64			
5	16QAM	25	0	22.56	22.73	22.61			
5	64QAM	1	0	22.64	22.71	22.69			
5	64QAM	1	12	22.50	22.74	22.62		23.5	2
5	64QAM	1	24	22.60	22.72	22.60			
5	64QAM	12	0	21.69	21.78	21.66		20.5	5
5	64QAM	12	7	21.60	21.62	21.51			
5	64QAM	12	13	21.48	21.72	21.53		22.5	3
5	64QAM	25	0	21.65	21.73	21.61			
5	256QAM	1	0	19.54	19.78	19.85			
5	256QAM	1	12	19.68	19.67	19.58		20.5	5
5	256QAM	1	24	19.56	19.66	19.55			
5	256QAM	12	0	19.74	19.78	19.62			
5	256QAM	12	7	19.69	19.63	19.75		20.5	5
5	256QAM	12	13	19.60	19.58	19.62			
5	256QAM	25	0	19.51	19.62	19.73			
Channel				23025	23095	23165	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				707.5	707.5	714.5			
3	QPSK	1	0	24.60	24.74	24.59			
3	QPSK	1	8	24.55	24.62	24.49		25.5	0
3	QPSK	1	14	24.58	24.64	24.64			
3	QPSK	8	0	23.63	23.72	23.61			
3	QPSK	8	7	23.59	23.69	23.44		24.5	1
3	QPSK	8	7	23.65	23.70	23.58			
3	QPSK	15	0	23.59	23.68	23.95			
3	16QAM	1	0	23.63	23.62	23.59			
3	16QAM	1	8	23.62	23.57	23.56		24.5	1
3	16QAM	1	14	23.48	23.61	23.64			
3	16QAM	8	0	22.62	22.73	22.57		23.5	2
3	16QAM	8	7	22.61	22.64	22.45			
3	16QAM	8	7	22.44	22.66	22.60		20.5	5
3	16QAM	15	0	22.65	22.69	22.66			
3	64QAM	1	0	22.59	22.68	22.68			
3	64QAM	1	8	22.61	22.67	22.65		23.5	2
3	64QAM	1	14	22.66	22.67	22.59			
3	64QAM	8	0	21.57	21.74	21.59		22.5	3
3	64QAM	8	7	21.60	21.66	21.47			
3	64QAM	8	7	21.47	21.73	21.49			
3	64QAM	15	0	21.54	21.68	21.71			
3	256QAM	1	0	19.55	19.76	19.70		20.5	5
3	256QAM	1	8	19.64	19.70	19.63			
3	256QAM	1	14	19.56	19.61	19.61			
3	256QAM	8	0	19.73	19.81	19.64			
3	256QAM	8	4	19.64	19.60	19.65		20.5	5
3	256QAM	8	7	19.58	19.62	19.55			
3	256QAM	15	0	19.57	19.61	19.65			
Channel				699.7	707.5	715.3	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.66	24.74	24.61			
1.4	QPSK	1	3	24.63	24.64	24.49			
1.4	QPSK	1	5	24.57	24.64	24.59		25.5	0
1.4	QPSK	3	0	24.57	24.71	24.55			
1.4	QPSK	3	0	24.57	24.61	24.61			
1.4	QPSK	3	3	24.54	24.52	24.48			
1.4	QPSK	6	0	23.68	23.72	23.70		24.5	1
1.4	16QAM	1	0	23.66	23.60	23.64			
1.4	16QAM	1	3	23.63	23.62	23.55			
1.4	16QAM	1	5	23.59	23.67	23.60		24.5	1
1.4	16QAM	3	0	23.54	23.64	23.65			
1.4	16QAM	3	1	23.57	23.54	23.59			
1.4	16QAM	3	3	23.54	23.51	23.43			
1.4	16QAM	6	0	22.56	22.69	22.62		23.5	2
1.4	64QAM	1	1	22.62	22.63	22.49			
1.4	64QAM	3	3	22.39	22.61	22.56			
1.4	64QAM	6	0	21.61	21.66	21.70		22.5	3
1.4	256QAM	1	1	19.67	19.80	19.69			
1.4	256QAM	1	3	19.63	19.67	19.69			
1.4	256QAM	1	5	19.53	19.70	19.59		20.5	5
1.4	256QAM	3	0	19.68	19.71	19.68			
1.4	256QAM	3	1	19.65	19.68	19.73			
1.4	256QAM	3	3	19.64	19.55	19.60			
1.4	256QAM	3	5	19.69	19.58	19.65		20.5	5

Band 13 Ant0 DS15								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPE (dB)
Channel				23230				
Frequency (MHz)				762				
10	QPSK	1	0		25.14		25.7	0
10	QPSK	1	25		25.10			
10	QPSK	1	49		25.07			
10	QPSK	25	0		24.10		24.7	1
10	QPSK	25	12		24.08			
10	QPSK	25	25		24.09			
10	QPSK	50	0		24.08		24.7	1
10	16QAM	1	0		24.05			
10	16QAM	1	25		24.03			
10	16QAM	1	49		24.00		23.7	2
10	16QAM	25	0		23.06			
10	16QAM	25	12		23.07			
10	16QAM	25	25		23.13		23.7	2
10	16QAM	50	0		23.07			
10	64QAM	1	0		23.02			
10	64QAM	1	25		22.98		23.7	2
10	64QAM	1	49		22.97			
10	64QAM	25	0		22.10			
10	64QAM	25	12		22.08		22.7	3
10	64QAM	25	25		22.05			
10	64QAM	50	0		22.09			
10	256QAM	1	0		20.05		20.7	5
10	256QAM	1	25		20.04			
10	256QAM	1	49		20.11			
10	256QAM	25	0		20.06		20.7	5
10	256QAM	25	12		20.05			
10	256QAM	25	25		19.98			
10	256QAM	50	0		19.96			
Channel				23206	23230	23256	Tune-up limit (dBm)	MPE (dB)
Frequency (MHz)				770.5	762	764.5		
5	QPSK	1	0	25.08	25.11	25.06	25.7	0
5	QPSK	1	12	25.07	25.02	25.02		
5	QPSK	1	24	24.99	24.97	25.02		
5	QPSK	12	0	23.98	24.02	24.07	24.7	1
5	QPSK	12	7	23.97	23.99	24.01		
5	QPSK	12	13	23.13	23.07	23.05		
5	QPSK	25	0	24.01	24.02	24.07	23.7	2
5	16QAM	1	0	24.03	24.05	23.96		
5	16QAM	1	12	23.97	23.93	24.02		
5	16QAM	1	24	23.96	23.92	24.00	23.7	2
5	16QAM	12	0	23.02	23.06	22.98		
5	16QAM	12	7	23.05	23.00	22.95		
5	16QAM	12	13	23.13	23.05	23.08	23.7	2
5	16QAM	25	0	22.98	23.01	23.06		
5	64QAM	1	0	22.94	23.00	22.92		
5	64QAM	1	12	22.87	22.90	22.87	23.7	2
5	64QAM	1	24	22.87	22.84	22.85		
5	64QAM	12	0	22.03	22.05	21.99		
5	64QAM	12	7	21.98	22.01	21.97	22.7	3
5	64QAM	12	13	21.96	22.03	21.97		
5	64QAM	25	0	22.06	22.02	22.05		
5	256QAM	1	0	20.02	20.06	19.99	20.7	5
5	256QAM	1	12	19.96	20.01	19.99		
5	256QAM	1	24	20.06	20.06	20.01		
5	256QAM	12	0	20.02	20.00	19.99	20.7	5
5	256QAM	12	7	19.93	19.94	19.95		
5	256QAM	12	13	19.97	19.95	19.96		
5	256QAM	25	0	19.87	19.86	19.84		

GSM850 Ant1 DSIS		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		191	189	291		191	189	291	
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	27.37	27.66	27.33	28.40	18.37	18.66	18.33	19.40	
GPRS 1 Tx slot	27.36	27.43	27.49	28.40	18.36	18.43	18.49	19.40	
GPRS 2 Tx slots	23.91	24.01	23.97	25.40	17.91	18.01	17.97	19.40	
GPRS 3 Tx slots	22.06	22.05	22.02	23.60	17.80	17.79	17.76	19.34	
GPRS 4 Tx slots	20.85	20.95	20.94	22.40	17.85	17.95	17.94	19.40	
EDGE 1 Tx slot	21.93	22.11	22.04	23.40	12.93	13.11	13.04	14.40	
EDGE 2 Tx slots	19.59	19.46	19.37	20.40	13.39	13.46	13.37	14.40	
EDGE 3 Tx slots	17.68	17.67	17.65	18.60	13.42	13.41	13.39	14.34	
EDGE 4 Tx slots	16.14	16.21	16.21	17.40	13.14	13.21	13.21	14.40	

Band		WCDMA V Ant1 DSIS			Tune-up Limit (dbm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		2514	2538.4	2436	
3GPP Rel 99	AMR 12.2Kbps	19.33	19.33	19.25	20.70
3GPP Rel 99	RMIC 12.2Kbps	19.32	19.36	19.33	20.70
3GPP Rel 6	HSDPA Subtest-1	18.39	18.32	18.33	23.70
3GPP Rel 6	HSDPA Subtest-2	18.38	18.37	18.30	23.70
3GPP Rel 6	HSDPA Subtest-3	17.86	17.89	17.81	23.20
3GPP Rel 6	HSDPA Subtest-4	17.88	17.82	17.83	23.20
3GPP Rel 8	DCHSDPA Subtest-1	18.28	18.41	18.29	19.70
3GPP Rel 8	DCHSDPA Subtest-2	18.36	18.42	18.27	19.70
3GPP Rel 8	DCHSDPA Subtest-3	17.79	17.92	17.81	19.20
3GPP Rel 8	DCHSDPA Subtest-4	17.75	17.82	17.82	19.20
3GPP Rel 6	HSUPA Subtest-1	18.22	18.34	18.27	19.70
3GPP Rel 6	HSUPA Subtest-2	16.38	16.42	16.21	17.70
3GPP Rel 6	HSUPA Subtest-3	17.41	17.41	17.22	18.70
3GPP Rel 6	HSUPA Subtest-4	16.40	16.39	16.23	17.70
3GPP Rel 6	HSUPA Subtest-5	18.32	18.32	18.27	19.70
3GPP Rel 7	HSPA+ (TTCM) Subtest-1	15.79	15.98	15.81	17.20

Band 38 Other PA Ant3 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)				
Channel				37650	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	24.01	24.11	24.05	25	0				
20	QPSK	1	49	23.88	24.05	23.98						
20	QPSK	1	99	23.91	24.00	23.96						
20	QPSK	50	0	22.97	23.12	23.00	24	1				
20	QPSK	50	24	22.87	22.99	23.00						
20	QPSK	50	50	22.96	22.95	23.00						
20	QPSK	100	0	23.03	23.10	23.05	24	2				
20	16QAM	1	0	22.96	23.07	23.05						
20	16QAM	1	49	22.90	23.03	23.00						
20	16QAM	1	99	22.86	22.98	22.98	23	2				
20	16QAM	50	0	21.99	22.12	22.05						
20	16QAM	50	24	21.85	21.95	22.04						
20	16QAM	50	50	21.90	21.92	21.95	23	2				
20	16QAM	100	0	22.01	22.02	22.05						
20	64QAM	1	0	21.98	22.05	21.99						
20	64QAM	1	49	21.91	22.02	22.05	22	3				
20	64QAM	1	99	21.84	21.98	21.95						
20	64QAM	50	0	20.99	21.11	21.05						
20	64QAM	50	24	20.90	21.00	21.05	20	5				
20	64QAM	50	50	20.91	20.89	20.96						
20	64QAM	100	0	21.03	21.11	21.09						
20	256QAM	1	0	18.99	19.18	18.99	20	5				
20	256QAM	1	49	18.85	19.00	19.00						
20	256QAM	1	99	18.99	18.99	19.06						
20	256QAM	50	0	19.00	19.09	19.15	20	5				
20	256QAM	50	24	19.01	19.02	19.09						
20	256QAM	50	50	18.92	19.00	18.98						
20	256QAM	100	0	18.83	18.96	18.93	20	5				
Channel				37625	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	23.89	24.08	24.02	25	0				
15	QPSK	1	37	23.77	23.91	23.86						
15	QPSK	1	74	23.82	23.91	23.91						
15	QPSK	36	0	22.93	22.99	22.94	24	1				
15	QPSK	36	20	22.84	22.92	22.91						
15	QPSK	36	39	22.89	22.92	22.94						
15	QPSK	75	0	23.00	22.99	23.00	24	1				
15	16QAM	1	0	22.84	22.97	22.99						
15	16QAM	1	37	22.84	22.91	22.95						
15	16QAM	1	74	22.82	22.90	22.92	23	2				
15	16QAM	36	0	21.97	22.03	21.97						
15	16QAM	36	20	21.82	21.89	21.93						
15	16QAM	36	39	21.84	21.90	21.89	23	2				
15	16QAM	75	0	21.87	21.92	21.94						
15	64QAM	1	0	21.95	21.94	21.87						
15	64QAM	1	37	21.83	21.94	21.88	23	2				
15	64QAM	1	74	21.77	21.86	21.93						
15	64QAM	36	0	20.88	21.08	20.99						
15	64QAM	36	20	20.81	20.95	20.91	22	3				
15	64QAM	36	39	20.88	20.80	20.85						
15	64QAM	75	0	20.98	21.07	20.97						
15	256QAM	1	0	18.86	19.12	18.94	20	5				
15	256QAM	1	37	18.72	18.92	18.86						
15	256QAM	1	74	18.88	18.94	18.96						
15	256QAM	36	0	18.89	19.01	19.02	20	5				
15	256QAM	36	20	18.92	18.94	19.04						
15	256QAM	36	39	18.81	18.97	18.85						
15	256QAM	75	0	18.75	18.90	18.83	20	5				
Channel				37600	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	23.95	24.00	24.00	25	0				
10	QPSK	1	25	23.76	24.02	23.85						
10	QPSK	1	49	23.82	23.94	23.84						
10	QPSK	25	0	22.85	22.98	22.88	24	1				
10	QPSK	25	12	22.81	22.90	22.88						
10	QPSK	25	25	22.94	22.92	22.88						
10	QPSK	50	0	23.00	23.00	22.97	24	1				
10	16QAM	1	0	22.92	23.00	23.00						
10	16QAM	1	25	22.81	22.91	22.87						
10	16QAM	1	49	22.78	22.93	22.91	23	2				
10	16QAM	25	0	21.87	22.06	21.89						
10	16QAM	25	12	21.81	21.89	21.95						
10	16QAM	25	25	21.81	21.87	21.87	23	2				
10	16QAM	50	0	21.90	21.99	22.02						
10	64QAM	1	0	21.85	21.99	21.96						
10	64QAM	1	25	21.80	21.88	22.00	22	3				
10	64QAM	1	49	21.75	21.91	21.86						
10	64QAM	25	0	20.87	21.07	20.95						
10	64QAM	25	12	20.81	20.92	20.95	20	5				
10	64QAM	25	25	20.82	20.82	20.89						
10	64QAM	50	0	20.92	21.00	20.97						
10	256QAM	1	0	18.85	19.12	18.95	20	5				
10	256QAM	1	25	18.76	18.88	18.92						
10	256QAM	1	49	18.96	18.95	18.95						
10	256QAM	25	0	18.92	18.99	19.08	20	5				
10	256QAM	25	12	18.97	18.98	19.04						
10	256QAM	25	25	18.81	18.97	18.87						
10	256QAM	50	0	18.70	18.94	18.88	20	5				
Channel				37725	38000	38225						
Frequency (MHz)				2592.5	2595	2617.5						
5	QPSK	1	0	23.90	24.04	24.01	25	0				
5	QPSK	1	12	23.84	23.96	23.90						
5	QPSK	1	24	23.86	23.92	23.92						
5	QPSK	12	0	22.94	23.03	22.91	24	1				
5	QPSK	12	7	22.79	22.92	22.88						
5	QPSK	12	13	22.84	22.85	22.96						
5	QPSK	25	0	23.01	22.97	23.02	24	1				
5	16QAM	1	0	22.89	22.95	23.00						
5	16QAM	1	12	22.80	22.92	22.88						
5	16QAM	1	24	22.78	22.96	22.90	23	2				
5	16QAM	12	0	21.86	22.06	21.88						
5	16QAM	12	7	21.80	21.85	21.90						
5	16QAM	12	13	21.83	21.86	21.82	23	2				
5	16QAM	25	0	21.95	21.97	22.01						
5	64QAM	1	0	21.94	21.92	21.92						
5	64QAM	1	12	21.86	21.96	21.99	23	2				
5	64QAM	1	24	21.72	21.95	21.82						
5	64QAM	12	0	20.90	21.08	20.95						
5	64QAM	12	7	20.80	20.93	20.99	22	3				
5	64QAM	12	13	20.87	20.84	20.92						
5	64QAM	25	0	20.97	21.05	21.07						
5	256QAM	1	0	18.94	19.10	18.90	20	5				
5	256QAM	1	12	18.76	18.97	18.91						
5	256QAM	1	24	18.87	18.96	18.98						
5	256QAM	12	0	18.96	18.99	19.10	20	5				
5	256QAM	12	7	18.96	18.89	19.00						
5	256QAM	12	13	18.83	18.90	18.95						
5	256QAM	25	0	18.72	18.88	18.86	20	5				

Band 41 Other PA Ant3 DSI5											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				39750	40185	40620	41055	41490			
20	QPSK	1	0	24.02	24.09	24.10	24.05	24.02			
20	QPSK	1	49	23.88	24.05	24.08	23.95	23.96	25	0	
20	QPSK	1	99	23.93	23.95	24.04	23.95	23.94			
20	QPSK	50	0	23.02	23.09	23.14	23.06	23.03			
20	QPSK	50	0	22.85	23.05	23.09	23.00	22.95	24	1	
20	QPSK	50	50	22.92	22.98	23.06	22.97	22.93			
20	QPSK	100	0	23.08	23.05	23.09	23.08	23.01			
20	16QAM	1	0	23.06	23.12	23.05	23.07	23.06			
20	16QAM	1	49	22.93	23.02	23.07	22.98	23.01	24	1	
20	16QAM	1	99	22.90	22.92	23.09	22.98	22.95			
20	16QAM	50	0	22.08	22.03	22.07	22.04	22.05			
20	16QAM	50	24	21.84	22.00	22.02	22.05	21.99	23	2	
20	16QAM	50	50	21.88	21.99	22.16	22.02	21.88			
20	16QAM	100	0	22.05	22.00	22.13	22.12	22.05			
20	64QAM	1	0	22.04	22.14	22.02	22.08	22.09			
20	64QAM	1	49	21.90	22.01	22.09	21.95	22.05	23	2	
20	64QAM	1	99	21.91	21.95	22.13	21.95	21.94			
20	64QAM	50	0	21.03	21.15	21.19	21.06	21.07			
20	64QAM	50	24	20.90	21.06	21.15	21.04	20.99	22	3	
20	64QAM	50	50	20.93	20.95	21.01	21.01	20.99			
20	64QAM	100	0	21.14	21.02	21.10	21.12	20.98			
20	256QAM	1	0	19.07	19.15	19.18	19.06	19.07	20	5	
20	256QAM	1	49	18.89	19.05	19.12	19.04	18.95			
20	256QAM	1	99	18.92	19.03	19.03	18.98	18.88			
20	256QAM	50	0	19.09	19.08	19.08	19.08	19.02			
20	256QAM	50	24	18.94	19.13	19.03	19.07	19.10	20	5	
20	256QAM	50	50	18.89	19.03	19.04	19.07	18.99			
20	256QAM	100	0	18.93	18.91	19.10	18.99	18.93			
Channel Frequency (MHz)				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.89	24.06	24.06	24.04	23.98	25.00	0	
15	QPSK	1	37	23.79	23.96	23.97	23.81	23.88			
15	QPSK	1	74	23.88	23.81	24.00	23.83	23.98			
15	QPSK	36	0	22.92	23.02	23.03	22.94	22.97	24	1	
15	QPSK	36	20	22.74	22.93	23.00	22.90	22.83			
15	QPSK	36	39	22.89	22.90	22.95	22.93	22.79			
15	QPSK	75	0	22.99	23.02	22.96	23.04	22.87	24	1	
15	16QAM	1	0	22.95	23.04	22.92	23.00	22.92			
15	16QAM	1	37	22.84	22.91	22.92	22.90	22.83	23	2	
15	16QAM	1	74	22.81	22.86	23.03	22.87	22.88			
15	16QAM	36	0	22.01	21.94	22.09	21.93	21.92			
15	16QAM	36	20	21.71	21.93	21.96	21.92	21.96	23	2	
15	16QAM	36	39	21.85	21.94	22.06	21.98	21.81			
15	16QAM	75	0	21.97	21.88	22.10	22.08	21.91			
15	64QAM	1	0	21.98	22.01	22.01	22.02	22.02	23	2	
15	64QAM	1	37	21.80	21.94	22.06	21.84	21.95			
15	64QAM	1	74	21.81	21.83	22.06	21.81	21.85			
15	64QAM	36	0	21.00	21.07	21.10	20.93	20.95	22	3	
15	64QAM	36	20	20.80	20.95	21.01	20.93	20.80			
15	64QAM	36	39	20.84	20.91	20.93	20.86	20.88			
15	64QAM	75	0	21.05	20.88	21.00	21.04	20.87	20	5	
15	256QAM	1	0	19.00	19.03	19.07	18.93	19.00			
15	256QAM	1	37	18.87	19.00	19.08	18.93	18.88			
15	256QAM	1	74	18.88	19.00	18.95	18.90	18.79			
15	256QAM	36	0	19.05	19.02	19.02	18.95	19.06	23	2	
15	256QAM	36	20	19.02	18.95	18.92	19.04	18.99			
15	256QAM	36	39	18.80	18.97	18.94	19.00	18.89	20	5	
15	256QAM	75	0	18.82	18.89	18.97	18.85	18.90			
Channel Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.01	23.47	23.50	23.33	23.63	25.00	0	
10	QPSK	1	25	23.82	23.91	23.95	23.90	23.86			
10	QPSK	1	49	23.84	23.91	23.98	23.92	23.83			
10	QPSK	25	0	22.91	23.02	23.04	22.92	22.96	24	1	
10	QPSK	25	12	22.72	23.01	22.98	22.93	22.88			
10	QPSK	25	25	22.87	22.90	22.98	22.84	22.89	23	2	
10	QPSK	36	0	23.04	23.92	23.99	23.98	23.95			
10	16QAM	1	0	22.93	23.04	22.95	23.04	23.00	24	1	
10	16QAM	1	25	22.83	22.90	23.03	22.88	22.97			
10	16QAM	1	49	22.87	22.87	23.02	22.86	22.84	23	2	
10	16QAM	25	0	22.05	21.93	22.09	21.90	21.91			
10	16QAM	25	12	21.80	21.86	21.99	21.96	21.95			
10	16QAM	25	25	21.85	21.90	22.02	21.98	21.79	22	3	
10	64QAM	50	0	21.93	21.88	22.09	22.09	21.97			
10	64QAM	1	0	21.99	22.01	21.89	21.98	22.00	23	2	
10	64QAM	1	25	21.79	21.92	22.06	21.83	21.97			
10	64QAM	1	49	21.77	21.89	22.03	21.82	21.82			
10	64QAM	1	74	20.91	21.06	21.16	21.01	21.00	22	3	
10	64QAM	25	12	20.79	21.03	21.11	20.93	20.84			
10	64QAM	25	25	20.84	20.93	20.89	20.98	20.92			
10	64QAM	50	0	21.11	20.89	21.03	21.05	20.90	20	5	
10	256QAM	1	0	18.93	19.00	19.14	19.03	18.95			
10	256QAM	1	25	18.85	18.96	19.03	18.92	18.93			
10	256QAM	1	49	18.81	18.95	18.95	18.96	18.84	23	2	
10	256QAM	25	0	19.02	19.00	19.02	19.05	18.97			
10	256QAM	25	12	18.92	18.98	18.95	19.05	19.02	20	5	
10	256QAM	25	25	18.85	18.97	18.95	18.91	18.90			
10	256QAM	50	0	18.84	18.87	19.02	18.90	18.89			
Channel Frequency (MHz)				39715	40165	40620	41085	41555	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.99	23.96	24.06	23.95	23.94	25.00	0	
5	QPSK	1	12	23.75	23.91	24.05	23.84	23.86			
5	QPSK	1	24	23.88	23.85	23.97	23.88	23.83			
5	QPSK	12	0	22.94	23.01	23.06	22.83	22.99	24	1	
5	QPSK	12	7	22.75	22.97	23.02	22.84	22.85			
5	QPSK	25	0	23.05	22.94	22.99	22.97	22.95			
5	16QAM	1	0	23.04	23.03	22.91	22.94	23.01	24	1	
5	16QAM	1	12	22.83	22.88	22.98	22.86	22.91			
5	16QAM	1	24	22.87	22.85	23.06	22.97	22.95			
5	16QAM	12	0	22.05	21.99	22.13	21.96	22.02	23	2	
5	16QAM	12	7	21.75	21.95	21.93	21.92	21.86			
5	16QAM	12	13	21.84	21.87	22.02	21.97	21.82			
5	16QAM	25	0	21.99	21.95	22.03	22.06	21.94	23	2	
5	64QAM	1	0	21.93	22.07	21.95	22.05	22.05			
5	64QAM	1	12	21.83	21.98	21.96	21.91	21.85			
5	64QAM	1	24	21.82	21.83	22.08	21.83	21.86	22	3	
5	64QAM	12	0	20.90	21.03	21.09	20.96	20.95			
5	64QAM	12	7	20.85	20.92	21.06	20.99	20.86			
5	64QAM	12	13	20.83	20.89	20.96	20.97	20.93	20	5	
5	64QAM	25	0	21.09	20.93	21.07	21.06	20.99			
5	256QAM	1	0	19.00	19.03	19.15	18.97	18.97			
5	256QAM	1	12	18.84	18.93	18.99	18.99	18.87			
5	256QAM	1	24	18.79	18.98	18.94	18.90	18.86			
5	256QAM	12	0	18.98	19.01	19.03	18.96	18.92	23	2	
5	256QAM	12	7	18.94	19.02	18.98	18.94	19.07			
5	256QAM	12	13	18.87	18.95	18.96	18.90	18.86	20	5	
5	256QAM	25	0	18.83	18.87	18.96	18.95	18.85			

GSM1900 AnH4 DSIS		Burst Average Power (dbm)				Tune-up	Frame-Average Power (dbm)				Tune-up
TX Channel		512	661	810	Limit		512	661	810	Limit	
Frequency (MHz)		1852.2	1860	1869.8		1852.2	1860	1869.8			
GSM 1 Tx slot		27.52	27.60	27.57	29.00	18.52	18.60	18.57	20.00		
GPRS 1 Tx slot		27.45	27.54	27.55	29.00	18.45	18.54	18.55	20.00		
GPRS 2 Tx slots		24.48	24.58	24.47	26.00	18.48	18.58	18.47	20.00		
GPRS 3 Tx slots		22.50	22.61	22.56	24.20	18.24	18.35	18.30	19.94		
GPRS 4 Tx slots		21.36	21.45	21.38	23.00	18.36	18.45	18.38	20.00		
EDGE 1 Tx slot		23.46	23.47	23.43	24.50	14.46	14.47	14.43	15.50		
EDGE 2 Tx slots		20.19	20.25	20.18	21.50	14.19	14.25	14.19	15.50		
EDGE 3 Tx slots		18.55	18.65	18.65	19.70	14.29	14.39	14.36	15.44		
EDGE 4 Tx slots		16.75	16.86	16.86	18.50	13.75	13.86	13.86	15.50		

Band	WCDMA II AnH4 DSIS				Tune-up Limit (dbm)	WCDMA IV AnH4				Tune-up Limit (dbm)
	TX Channel					TX Channel				
	9282	9400	9538			1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738			
Frequency (MHz)	15.24	15.00	15.07	18.00	17.24	17.24	17.24	18.00		
3GPP Rel 99	AMR 12.2kbs	16.97	16.96	17.01	18.00	16.96	17.07	16.96	18.00	
3GPP Rel 99	AMR 12.2kbs	17.11	17.20	17.19	18.00	17.08	17.13	17.07	18.00	
3GPP Rel 6	HSRPA Subsets1-4	15.98	16.15	16.21	17.00	15.98	16.07	16.16	17.00	
3GPP Rel 6	HSRPA Subsets2-4	16.16	16.18	16.16	17.00	16.04	16.07	16.12	17.00	
3GPP Rel 6	HSRPA Subsets3-4	15.50	15.61	15.64	16.50	15.39	15.61	15.62	16.50	
3GPP Rel 6	HSRPA Subsets4-5	15.50	15.67	15.60	16.50	15.53	15.71	15.61	16.50	
3GPP Rel 8	DC-HSRPA Subsets1-2	16.04	16.12	16.15	17.00	16.02	16.02	16.11	17.00	
3GPP Rel 8	DC-HSRPA Subsets3-4	16.06	16.11	16.10	17.00	16.12	16.09	16.17	17.00	
3GPP Rel 8	DC-HSRPA Subsets5-6	15.53	15.69	15.63	16.50	15.54	15.62	15.62	16.50	
3GPP Rel 8	DC-HSRPA Subsets7-8	15.64	15.66	15.72	16.50	15.61	15.62	15.66	16.50	
3GPP Rel 6	HSRPA Subsets1-4	16.14	16.05	16.07	17.00	16.01	16.03	16.15	17.00	
3GPP Rel 6	HSRPA Subsets5-8	13.97	14.11	14.16	15.00	13.89	14.10	14.10	15.00	
3GPP Rel 6	HSRPA Subsets3-4	15.04	15.14	15.07	16.00	15.01	15.19	15.01	16.00	
3GPP Rel 6	HSRPA Subsets5-8	13.97	14.16	14.08	15.00	13.94	14.13	14.02	15.00	
3GPP Rel 6	HSRPA Subsets4-5	16.02	16.16	16.09	17.00	16.01	16.18	16.06	17.00	
3GPP Rel 7	HSRPA (HOGM) Subsets1-4	13.55	13.69	13.74	14.50	13.58	13.59	13.55	14.50	

Band 2 Ant4 DSI5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Time-to- init (ms)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.41	17.33	17.39						
20	QPSK	49	0	17.36	17.48	17.39	18.5	0				
20	QPSK	1	99	17.42	17.48	17.40						
20	QPSK	50	0	17.42	17.48	17.35						
20	QPSK	99	0	17.39	17.35	17.39	18.5	0				
20	QPSK	50	50	17.39	17.47	17.39						
20	QPSK	100	0	17.35	17.39	17.35						
20	QPSK	1	0	17.44	17.38	17.34	18.5	0				
20	16QAM	1	49	17.44	17.44	17.44						
20	16QAM	1	99	17.42	17.41	17.38						
20	16QAM	50	0	17.41	17.44	17.39	18.5	0				
20	16QAM	50	24	17.42	17.44	17.33						
20	16QAM	50	50	17.39	17.46	17.35						
20	16QAM	100	0	17.42	17.39	17.33						
20	16QAM	1	0	17.40	17.39	17.42						
20	16QAM	1	49	17.39	17.45	17.35	18.5	0				
20	16QAM	1	99	17.44	17.40	17.35						
20	16QAM	50	0	17.41	17.41	17.40						
20	16QAM	50	24	17.44	17.49	17.43	18.5	0				
20	16QAM	50	50	17.44	17.44	17.35						
20	16QAM	100	0	17.45	17.43	17.38						
20	256QAM	1	49	17.39	17.40	17.40						
20	256QAM	1	99	17.41	17.45	17.41	18.5	0				
20	256QAM	1	99	17.43	17.49	17.42						
20	256QAM	50	0	17.35	17.35	17.38						
20	256QAM	50	24	17.41	17.49	17.34	18.5	0				
20	256QAM	50	50	17.42	17.39	17.35						
20	256QAM	100	0	17.41	17.45	17.39						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.29	17.35	17.35						
15	QPSK	1	37	17.30	17.37	17.36	18.5	0				
15	QPSK	1	74	17.33	17.36	17.36						
15	QPSK	36	0	17.27	17.28	17.28						
15	QPSK	25	0	17.32	17.44	17.35	18.5	0				
15	QPSK	36	36	17.33	17.37	17.32						
15	16QAM	75	0	17.27	17.31	17.28						
15	16QAM	1	0	17.35	17.32	17.29						
15	16QAM	1	37	17.34	17.33	17.37	18.5	0				
15	16QAM	1	49	17.35	17.32	17.32						
15	16QAM	36	0	17.28	17.36	17.32						
15	16QAM	36	20	17.36	17.40	17.19	18.5	0				
15	16QAM	36	20	17.37	17.36	17.24						
15	16QAM	75	0	17.30	17.28	17.24						
15	16QAM	1	0	17.27	17.29	17.30						
15	16QAM	1	37	17.31	17.40	17.31	18.5	0				
15	16QAM	1	74	17.33	17.32	17.24						
15	16QAM	36	0	17.25	17.30	17.30						
15	16QAM	36	39	17.33	17.33	17.25	18.5	0				
15	16QAM	75	0	17.35	17.33	17.25						
15	256QAM	1	0	17.23	17.28	17.28						
15	256QAM	1	37	17.28	17.39	17.25	18.5	0				
15	256QAM	1	74	17.38	17.45	17.29						
15	256QAM	36	0	17.32	17.36	17.36						
15	256QAM	36	20	17.33	17.40	17.25	18.5	0				
15	256QAM	36	39	17.38	17.35	17.24						
15	256QAM	75	0	17.34	17.38	17.35						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.48	17.48	17.48						
10	QPSK	1	25	17.29	17.38	17.32	18.5	0				
10	QPSK	1	49	17.35	17.40	17.30						
10	QPSK	25	0	17.33	17.37	17.30						
10	QPSK	25	12	17.35	17.37	17.30	18.5	0				
10	QPSK	25	25	17.36	17.34	17.34						
10	16QAM	50	0	17.32	17.34	17.34						
10	16QAM	1	0	17.32	17.24	17.24						
10	16QAM	1	25	17.33	17.38	17.34	18.5	0				
10	16QAM	1	49	17.35	17.40	17.35						
10	16QAM	25	0	17.27	17.32	17.25						
10	16QAM	25	12	17.27	17.34	17.28	18.5	0				
10	16QAM	50	0	17.35	17.37	17.37						
10	16QAM	50	0	17.31	17.28	17.27						
10	16QAM	50	1	17.29	17.34	17.37	18.5	0				
10	16QAM	25	0	17.25	17.33	17.33						
10	16QAM	1	49	17.33	17.28	17.23						
10	16QAM	25	0	17.31	17.36	17.33						
10	16QAM	25	12	17.31	17.36	17.31	18.5	0				
10	16QAM	25	25	17.36	17.36	17.27						
10	16QAM	50	0	17.39	17.35	17.31						
10	256QAM	1	0	17.25	17.31	17.31						
10	256QAM	1	25	17.28	17.33	17.28	18.5	0				
10	256QAM	1	49	17.31	17.41	17.31						
10	256QAM	25	0	17.25	17.37	17.25						
10	256QAM	25	12	17.32	17.37	17.23	18.5	0				
10	256QAM	25	25	17.32	17.29	17.21						
10	256QAM	50	0	17.29	17.34	17.31						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.43	17.37	17.43						
3	QPSK	1	12	17.29	17.38	17.34	18.5	0				
3	QPSK	1	24	17.36	17.39	17.34						
3	QPSK	12	0	17.37	17.34	17.34						
3	QPSK	12	7	17.23	17.35	17.35	18.5	0				
3	QPSK	12	13	17.28	17.38	17.32						
3	QPSK	24	0	17.27	17.27	17.31						
3	16QAM	1	0	17.31	17.31	17.19						
3	16QAM	1	12	17.39	17.36	17.39	18.5	0				
3	16QAM	12	0	17.28	17.35	17.35						
3	16QAM	12	0	17.28	17.39	17.17						
3	16QAM	12	7	17.27	17.29	17.23	18.5	0				
3	16QAM	12	13	17.32	17.31	17.25						
3	16QAM	25	0	17.31	17.31	17.18						
3	16QAM	1	0	17.28	17.23	17.17	18.5	0				
3	16QAM	12	0	17.28	17.30	17.27						
3	16QAM	1	24	17.39	17.33	17.27						
3	16QAM	12	0	17.33	17.34	17.34						
3	16QAM	12	7	17.30	17.35	17.35	18.5	0				
3	16QAM	12	13	17.38	17.34	17.20						
3	16QAM	25	0	17.30	17.28	17.31						
3	16QAM	25	0	17.25	17.28	17.34						
3	256QAM	1	12	17.27	17.33	17.28	18.5	0				
3	256QAM	1	24	17.33	17.34	17.31						
3	256QAM	12	0	17.25	17.34	17.35						
3	256QAM	12	7	17.31	17.39	17.27	18.5	0				
3	256QAM	12	13	17.28	17.30	17.25						
3	256QAM	25	0	17.30	17.41	17.31						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.27	17.38	17.21						
3	QPSK	1	8	17.22	17.41	17.36	18.5	0				
3	QPSK	1	14	17.36	17.35	17.29						
3	QPSK	8	0	17.32	17.35	17.35						
3	QPSK	8	4	17.28	17.41	17.28	18.5	0				
3	QPSK	8	7	17.23	17.39	17.25						
3	QPSK	14	0	17.30	17.27	17.28						
3	16QAM	1	0	17.31	17.23	17.19						
3	16QAM	1	8	17.37	17.28	17.17	18.5	0				
3	16QAM	14	0	17.36	17.35	17.35						
3	16QAM	8	0	17.29	17.34	17.16						
3	16QAM	8	4	17.27	17.37	17.23	18.5	0				
3	16QAM	15	0	17.27	17.32	17.30						
3	16QAM	8	8	17.33	17.37	17.20	18.5	0				
3	16QAM	1	14	17.37	17.29	17.28						
3	16QAM	8	0	17.30	17.34	17.38	18.5	0				
3	16QAM	8	7	17.39	17.31	17.25						
3	16QAM	15	0	17.29	17.35	17.31						
3	256QAM	1	0	17.29	17.35	17.31						
3	256QAM	1	8	17.36	17.29	17.32	18.5	0				
3	256QAM	14	0	17.37	17.37	17.32						
3	256QAM	8	0	17.28	17.37	17.32						
3	256QAM	8	4	17.36	17.34	17.20	18.5	0				
3	256QAM	15	0	17.35	17.23	17.27						
3	256QAM	15	0	17.39	17.34	17.23						
Channel												

Band 25 Ant4 DS15														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MPR (dB)						
Channel														
1800 1800 1800														
20	QPSK	1	0	18.39	18.50	18.43	19.5	0						
20	QPSK	1	49	18.51	18.48	18.43								
20	QPSK	1	99	18.49	18.47	18.40								
20	QPSK	50	0	18.42	18.50	18.49								
20	QPSK	50	24	18.44	18.47	18.49	19.5	0						
20	QPSK	50	50	18.45	18.51	18.49								
20	QPSK	100	0	18.44	18.50	18.37								
20	HQAM	1	0	18.48	18.50	18.48								
20	HQAM	1	49	18.49	18.48	18.43	19.5	0						
20	HQAM	50	0	18.47	18.50	18.43								
20	HQAM	50	24	18.48	18.50	18.38								
20	HQAM	50	50	18.46	18.57	18.41								
20	HQAM	100	0	18.44	18.54	18.39	19.5	0						
20	HQAM	1	0	18.45	18.53	18.47								
20	HQAM	1	49	18.44	18.51	18.40								
20	HQAM	1	99	18.44	18.48	18.45								
20	HQAM	50	0	18.46	18.50	18.41	19.5	0						
20	HQAM	50	24	18.44	18.54	18.39								
20	HQAM	50	50	18.46	18.54	18.38								
20	HQAM	100	0	18.49	18.50	18.46								
20	25SQAM	1	0	18.48	18.54	18.39	19.5	0						
20	25SQAM	1	49	18.48	18.54	18.39								
20	25SQAM	1	99	18.43	18.48	18.37								
20	25SQAM	50	0	18.44	18.57	18.41								
20	25SQAM	50	24	18.46	18.54	18.49	19.5	0						
20	25SQAM	50	50	18.45	18.54	18.44								
20	25SQAM	100	0	18.45	18.50	18.44								
Channel														
26115 26149 26155														
15	QPSK	1	0	18.32	18.37	18.38	19.5	0						
15	QPSK	1	37	18.35	18.38	18.27								
15	QPSK	1	74	18.41	18.42	18.36								
15	QPSK	36	0	18.36	18.37	18.39								
15	QPSK	36	20	18.39	18.43	18.40	19.5	0						
15	QPSK	36	39	18.39	18.48	18.43								
15	QPSK	75	0	18.37	18.40	18.25								
15	HQAM	1	0	18.42	18.48	18.43								
15	HQAM	1	37	18.39	18.43	18.31	19.5	0						
15	HQAM	1	74	18.45	18.50	18.38								
15	HQAM	36	0	18.38	18.43	18.37								
15	HQAM	36	20	18.37	18.49	18.29								
15	HQAM	75	0	18.29	18.44	18.24	19.5	0						
15	HQAM	1	0	18.33	18.43	18.33								
15	HQAM	1	37	18.28	18.38	18.28								
15	HQAM	1	74	18.28	18.42	18.35								
15	HQAM	36	0	18.31	18.40	18.33	19.5	0						
15	HQAM	36	20	18.35	18.43	18.35								
15	HQAM	75	0	18.25	18.39	18.41								
15	HQAM	1	0	18.43	18.40	18.51								
15	25SQAM	1	0	18.40	18.54	18.37	19.5	0						
15	25SQAM	1	37	18.43	18.39	18.29								
15	25SQAM	1	74	18.28	18.39	18.29								
15	25SQAM	36	0	18.26	18.45	18.36								
15	25SQAM	36	20	18.40	18.50	18.40	19.5	0						
15	25SQAM	36	39	18.38	18.45	18.40								
15	25SQAM	75	0	18.35	18.45	18.39								
Channel														
26595 26549 26560														
10	QPSK	1	0	18.32	18.30	18.30	19.5	0						
10	QPSK	1	25	18.40	18.40	18.38								
10	QPSK	1	49	18.40	18.31	18.33								
10	QPSK	25	0	18.31	18.30	18.33								
10	QPSK	25	12	18.35	18.42	18.44	19.5	0						
10	QPSK	25	25	18.30	18.50	18.35								
10	QPSK	50	0	18.36	18.40	18.37								
10	HQAM	1	0	18.33	18.48	18.39								
10	HQAM	1	25	18.43	18.34	18.34	19.5	0						
10	HQAM	1	49	18.31	18.42	18.30								
10	HQAM	25	0	18.40	18.53	18.39								
10	HQAM	25	12	18.32	18.44	18.30								
10	HQAM	50	0	18.30	18.45	18.33	19.5	0						
10	HQAM	50	0	18.32	18.48	18.27								
10	HQAM	1	0	18.39	18.46	18.39								
10	HQAM	1	25	18.31	18.38	18.34								
10	HQAM	1	49	18.34	18.44	18.34	19.5	0						
10	HQAM	25	0	18.36	18.40	18.39								
10	HQAM	25	12	18.35	18.43	18.30								
10	HQAM	25	25	18.31	18.52	18.30								
10	HQAM	50	0	18.39	18.35	18.37	19.5	0						
10	25SQAM	1	0	18.35	18.43	18.34								
10	25SQAM	1	25	18.34	18.47	18.28								
10	25SQAM	1	49	18.33	18.34	18.29								
10	25SQAM	25	0	18.28	18.40	18.35	19.5	0						
10	25SQAM	25	12	18.33	18.47	18.34								
10	25SQAM	25	25	18.42	18.43	18.34								
10	25SQAM	50	0	18.38	18.44	18.38								
Channel														
26665 26549 26676														
5	QPSK	1	0	18.25	18.44	18.25	19.5	0						
5	QPSK	1	12	18.30	18.40	18.37								
5	QPSK	1	24	18.37	18.32	18.51								
5	QPSK	12	0	18.30	18.44	18.43								
5	QPSK	12	7	18.38	18.32	18.30	19.5	0						
5	QPSK	12	13	18.38	18.50	18.42								
5	QPSK	25	0	18.28	18.38	18.27								
5	HQAM	1	0	18.40	18.53	18.33								
5	HQAM	1	12	18.34	18.40	18.31	19.5	0						
5	HQAM	1	24	18.25	18.39	18.30								
5	HQAM	12	0	18.39	18.53	18.34								
5	HQAM	12	7	18.32	18.53	18.33								
5	HQAM	12	13	18.31	18.45	18.29	19.5	0						
5	HQAM	25	0	18.39	18.40	18.29								
5	HQAM	1	0	18.36	18.49	18.32								
5	HQAM	1	12	18.33	18.48	18.24								
5	HQAM	1	24	18.34	18.39	18.39	19.5	0						
5	HQAM	12	0	18.34	18.42	18.39								
5	HQAM	12	7	18.36	18.48	18.39								
5	HQAM	12	13	18.37	18.37	18.38								
5	HQAM	25	0	18.36	18.34	18.39	19.5	0						
5	25SQAM	1	0	18.43	18.41	18.27								
5	25SQAM	1	12	18.40	18.47	18.30								
5	25SQAM	1	24	18.32	18.42	18.27								
5	25SQAM	12	0	18.27	18.42	18.35	19.5							

Band 38 Ant4 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.57	19.69	19.60	20.2	0		
20	QPSK	1	49	19.60	19.62	19.54				
20	QPSK	1	99	19.60	19.64	19.58				
20	QPSK	50	0	19.59	19.61	19.54	20.2	0		
20	QPSK	50	24	19.59	19.60	19.53				
20	QPSK	50	50	19.54	19.57	19.52				
20	QPSK	100	0	19.57	19.64	19.56	20.2	0		
20	16QAM	1	0	19.53	19.65	19.50				
20	16QAM	1	49	19.62	19.58	19.50				
20	16QAM	1	99	19.55	19.64	19.61	20.2	0		
20	16QAM	50	0	19.53	19.65	19.55				
20	16QAM	50	24	19.61	19.67	19.54				
20	16QAM	50	50	19.58	19.62	19.51	20.2	0		
20	16QAM	100	0	19.61	19.57	19.49				
20	64QAM	1	0	19.60	19.63	19.57				
20	64QAM	1	49	19.63	19.64	19.55	20.2	0		
20	64QAM	1	99	19.64	19.65	19.55				
20	64QAM	50	0	19.59	19.56	19.52				
20	64QAM	50	24	19.62	19.66	19.59	20.2	0		
20	64QAM	50	50	19.57	19.56	19.57				
20	64QAM	100	0	19.57	19.63	19.50				
20	256QAM	1	0	19.58	19.67	19.58	20.2	0		
20	256QAM	1	49	19.61	19.65	19.59				
20	256QAM	1	99	19.62	19.62	19.54				
20	256QAM	50	0	19.52	19.62	19.60	20.2	0		
20	256QAM	50	24	19.53	19.61	19.60				
20	256QAM	50	50	19.64	19.61	19.53				
20	256QAM	100	0	19.63	19.59	19.57	20.2	0		
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	19.50	19.58	19.48	20.2	0		
15	QPSK	1	37	19.50	19.46	19.49				
15	QPSK	1	74	19.53	19.51	19.44				
15	QPSK	36	0	19.51	19.52	19.41	20.2	0		
15	QPSK	36	20	19.55	19.45	19.38				
15	QPSK	36	39	19.39	19.43	19.43				
15	QPSK	75	0	19.49	19.57	19.47	20.2	0		
15	16QAM	1	0	19.40	19.54	19.35				
15	16QAM	1	37	19.50	19.53	19.39				
15	16QAM	1	74	19.41	19.56	19.56	20.2	0		
15	16QAM	36	0	19.38	19.55	19.38				
15	16QAM	36	20	19.45	19.57	19.41				
15	16QAM	36	39	19.48	19.49	19.35	20.2	0		
15	16QAM	75	0	19.46	19.45	19.42				
15	64QAM	1	0	19.54	19.58	19.53				
15	64QAM	1	37	19.55	19.55	19.47	20.2	0		
15	64QAM	1	74	19.53	19.56	19.44				
15	64QAM	36	0	19.46	19.44	19.47				
15	64QAM	36	20	19.57	19.53	19.52	20.2	0		
15	64QAM	36	39	19.46	19.45	19.43				
15	64QAM	75	0	19.48	19.51	19.34				
15	256QAM	1	0	19.44	19.41	19.43	20.2	0		
15	256QAM	1	37	19.50	19.49	19.53				
15	256QAM	1	74	19.54	19.55	19.40				
15	256QAM	36	0	19.37	19.48	19.53	20.2	0		
15	256QAM	36	20	19.41	19.57	19.56				
15	256QAM	36	39	19.54	19.57	19.45				
15	256QAM	75	0	19.39	19.54	19.47	20.2	0		
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	19.49	19.54	19.54	20.2	0		
10	QPSK	1	25	19.48	19.47	19.49				
10	QPSK	1	49	19.50	19.55	19.51				
10	QPSK	25	0	19.46	19.53	19.40	20.2	0		
10	QPSK	25	12	19.45	19.48	19.38				
10	QPSK	25	25	19.39	19.49	19.39				
10	QPSK	50	0	19.46	19.49	19.47	20.2	0		
10	16QAM	1	0	19.37	19.53	19.41				
10	16QAM	1	25	19.50	19.42	19.34				
10	16QAM	1	49	19.47	19.52	19.55	20.2	0		
10	16QAM	25	0	19.42	19.58	19.47				
10	16QAM	25	12	19.45	19.62	19.43				
10	16QAM	25	25	19.46	19.51	19.39	20.2	0		
10	16QAM	50	0	19.52	19.47	19.39				
10	64QAM	1	0	19.55	19.56	19.49				
10	64QAM	1	25	19.48	19.48	19.41	20.2	0		
10	64QAM	1	49	19.57	19.55	19.45				
10	64QAM	25	0	19.52	19.51	19.45				
10	64QAM	25	12	19.56	19.51	19.51	20.2	0		
10	64QAM	25	25	19.43	19.52	19.50				
10	64QAM	50	0	19.43	19.58	19.38				
10	256QAM	1	0	19.53	19.58	19.50	20.2	0		
10	256QAM	1	25	19.57	19.54	19.47				
10	256QAM	1	49	19.55	19.53	19.42				
10	256QAM	25	0	19.44	19.49	19.50	20.2	0		
10	256QAM	25	12	19.41	19.52	19.51				
10	256QAM	25	25	19.48	19.54	19.45				
10	256QAM	50	0	19.53	19.53	19.43	20.2	0		
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	19.42	19.56	19.53	20.2	0		
5	QPSK	1	12	19.45	19.46	19.41				
5	QPSK	1	24	19.47	19.50	19.52				
5	QPSK	12	0	19.46	19.45	19.46	20.2	0		
5	QPSK	12	7	19.48	19.44	19.48				
5	QPSK	12	13	19.41	19.44	19.37				
5	QPSK	25	0	19.50	19.57	19.46	20.2	0		
5	16QAM	1	0	19.45	19.58	19.45				
5	16QAM	1	12	19.54	19.48	19.38				
5	16QAM	1	24	19.50	19.54	19.51	20.2	0		
5	16QAM	12	0	19.42	19.55	19.41				
5	16QAM	12	7	19.46	19.60	19.41				
5	16QAM	12	13	19.46	19.53	19.40	20.2	0		
5	16QAM	25	0	19.48	19.50	19.43				
5	64QAM	1	0	19.56	19.57	19.48				
5	64QAM	1	12	19.54	19.59	19.45	20.2	0		
5	64QAM	1	24	19.48	19.58	19.48				
5	64QAM	12	0	19.45	19.42	19.38				
5	64QAM	12	7	19.55	19.53	19.50	20.2	0		
5	64QAM	12	13	19.53	19.44	19.45				
5	64QAM	25	0	19.51	19.56	19.46				
5	16QAM	1	0	19.52	19.58	19.46	20.2	0		
5	256QAM	1	12	19.56	19.56	19.49				
5	256QAM	1	24	19.56	19.47	19.43				
5	256QAM	12	0	19.46	19.57	19.53	20.2	0		
5	256QAM	12	7	19.44	19.49	19.53				
5	256QAM	12	13	19.54	19.57	19.46				
5	256QAM	25	0	19.38	19.46	19.47	20.2	0		

Band 42 Ant4 DS15										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	18.07	18.34	18.14	18.7	0		
20	QPSK	1	49	18.15	18.25	18.04				
20	QPSK	1	99	18.15	18.18	18.02				
20	QPSK	50	0	18.15	18.30	18.13				
20	QPSK	50	24	18.15	18.29	18.13	18.7	0		
20	QPSK	50	50	18.12	18.25	18.02				
20	QPSK	100	0	18.08	18.23	18.06				
20	16QAM	1	0	18.06	18.19	18.13	18.7	0		
20	16QAM	1	49	18.07	18.24	18.06				
20	16QAM	1	99	18.08	18.18	18.05				
20	16QAM	50	0	18.05	18.30	18.06				
20	16QAM	50	24	18.12	18.30	18.13	18.7	0		
20	16QAM	50	50	18.12	18.21	18.06				
20	16QAM	100	0	18.11	18.21	18.04				
20	64QAM	1	0	18.11	18.22	18.12	18.7	0		
20	64QAM	1	49	18.09	18.25	18.07				
20	64QAM	1	99	18.05	18.21	18.13				
20	64QAM	50	0	18.15	18.22	18.04				
20	64QAM	50	24	18.07	18.18	18.09	18.7	0		
20	64QAM	50	50	18.12	18.27	18.03				
20	64QAM	100	0	18.09	18.24	18.05				
20	256QAM	1	0	18.11	18.23	18.12	18.7	0		
20	256QAM	1	49	18.06	18.30	18.11				
20	256QAM	1	99	18.07	18.24	18.10				
20	256QAM	50	0	18.12	18.21	18.06				
20	256QAM	50	24	18.08	18.23	18.11	18.7	0		
20	256QAM	50	50	18.07	18.21	18.13				
20	256QAM	100	0	18.13	18.22	18.10				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				34215	35000	35425				
15	QPSK	1	0	17.98	18.25	18.11	18.7	0		
15	QPSK	1	37	18.10	18.22	17.99				
15	QPSK	1	74	18.08	18.13	17.98				
15	QPSK	36	0	18.07	18.21	18.10				
15	QPSK	36	20	18.13	18.25	18.03	18.7	0		
15	QPSK	36	39	18.05	18.18	17.99				
15	QPSK	75	0	18.04	18.15	18.01				
15	16QAM	1	0	17.99	18.15	18.08	18.7	0		
15	16QAM	1	37	18.02	18.17	17.98				
15	16QAM	1	74	18.00	18.11	18.00				
15	16QAM	36	0	17.96	18.26	18.01				
15	16QAM	36	20	18.05	18.22	18.06	18.7	0		
15	16QAM	36	39	18.08	18.14	17.99				
15	16QAM	75	0	18.01	18.18	17.96				
15	64QAM	1	0	18.09	18.12	18.10	18.7	0		
15	64QAM	1	37	18.06	18.19	18.00				
15	64QAM	1	74	18.03	18.14	18.11				
15	64QAM	36	0	18.11	18.14	18.01				
15	64QAM	36	20	18.04	18.11	18.05	18.7	0		
15	64QAM	36	39	18.08	18.22	17.98				
15	64QAM	75	0	18.01	18.15	17.97				
15	256QAM	1	0	18.06	18.15	18.03	18.7	0		
15	256QAM	1	37	18.03	18.22	18.06				
15	256QAM	1	74	18.04	18.20	18.07				
15	256QAM	36	0	18.03	18.19	17.97				
15	256QAM	36	20	18.05	18.13	18.07	18.7	0		
15	256QAM	36	39	18.01	18.17	18.05				
15	256QAM	75	0	18.07	18.13	18.05				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	18.03	18.31	18.12	18.7	0		
10	QPSK	1	25	18.12	18.18	17.98				
10	QPSK	1	49	18.07	18.08	17.96				
10	QPSK	25	0	18.07	18.22	18.09				
10	QPSK	25	12	18.13	18.25	18.07	18.7	0		
10	QPSK	25	25	18.06	18.22	17.97				
10	QPSK	50	0	18.02	18.19	17.97				
10	16QAM	1	0	17.98	18.12	18.03	18.7	0		
10	16QAM	1	25	18.04	18.20	17.96				
10	16QAM	1	49	17.98	18.09	17.99				
10	16QAM	25	0	17.98	18.24	18.00				
10	16QAM	25	12	18.09	18.22	18.07	18.7	0		
10	16QAM	25	25	18.07	18.16	18.04				
10	16QAM	50	0	18.01	18.15	17.99				
10	64QAM	1	0	18.05	18.19	18.09	18.7	0		
10	64QAM	1	25	18.05	18.17	18.01				
10	64QAM	1	49	18.03	18.15	18.03				
10	64QAM	25	0	18.06	18.16	18.00				
10	64QAM	25	12	18.04	18.12	18.01	18.7	0		
10	64QAM	25	25	18.08	18.19	17.99				
10	64QAM	50	0	18.00	18.21	18.02				
10	256QAM	1	0	18.08	18.15	18.07	18.7	0		
10	256QAM	1	25	17.99	18.23	18.04				
10	256QAM	1	49	17.99	18.18	18.07				
10	256QAM	25	0	18.07	18.12	17.96				
10	256QAM	25	12	18.01	18.19	18.07	18.7	0		
10	256QAM	25	25	18.03	18.17	18.09				
10	256QAM	50	0	18.09	18.18	18.08				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				34215	3500	3547.5				
5	QPSK	1	0	18.01	18.27	18.05	18.7	0		
5	QPSK	1	12	18.09	18.22	17.99				
5	QPSK	1	24	18.10	18.09	17.98				
5	QPSK	12	0	18.11	18.21	18.10				
5	QPSK	12	7	18.07	18.26	18.04	18.7	0		
5	QPSK	12	13	18.04	18.16	17.92				
5	QPSK	25	0	18.03	18.20	18.02				
5	16QAM	1	0	18.02	18.10	18.11	18.7	0		
5	16QAM	1	12	18.05	18.19	17.99				
5	16QAM	1	24	18.06	18.11	18.02				
5	16QAM	12	0	18.00	18.27	18.04				
5	16QAM	12	7	18.07	18.25	18.05	18.7	0		
5	16QAM	12	13	18.05	18.18	17.98				
5	16QAM	25	0	18.03	18.13	17.97				
5	64QAM	1	0	18.06	18.19	18.10	18.7	0		
5	64QAM	1	12	18.04	18.16	18.02				
5	64QAM	1	24	17.99	18.18	18.10				
5	64QAM	12	0	18.12	18.13	18.00				
5	64QAM	12	7	17.99	18.15	18.04	18.7	0		
5	64QAM	12	13	18.06	18.22	17.98				

GSM1900 Ants	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	961	810		512	961	810	
Tx Channel	1850.2	1860	1909.8	1850.2	1860	1909.8		
Frequency (MHz)								
GSM 1 Tx slot	26.98	27.10	27.03	28.40	17.98	18.10	18.03	19.40
GPRS 1 Tx slot	26.94	27.07	27.03	28.40	17.94	18.07	18.03	19.40
GPRS 2 Tx slots	23.97	24.14	24.06	25.40	17.97	18.14	18.06	19.40
GPRS 3 Tx slots	22.26	22.34	22.21	23.60	18.00	18.09	17.95	19.34
GPRS 4 Tx slots	21.02	21.09	21.02	22.40	18.02	18.09	18.02	19.40
EDGE 1 Tx slot	25.31	25.36	25.30	23.70	18.31	18.36	18.30	14.70
EDGE 2 Tx slots	22.34	22.45	22.40	20.70	16.34	16.45	16.40	14.70
EDGE 3 Tx slots	20.44	20.59	20.53	18.90	16.18	16.33	16.27	14.64
EDGE 4 Tx slots	19.28	19.36	19.35	17.70	16.28	16.36	16.35	14.70

Band	WCDMA II Ants			Tune-up Limit (dBm)	WCDMA IV Ants			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Tx Channel	9662	9800	9938	1337	1638	1738		
Rx Channel	1524	1600	1676	1724	1723	1723		
Frequency (MHz)								
3GPP Rel 99 AMR 12.2Kbps	16.53	16.54	16.50	16.20	17.44	17.43	17.37	16.70
3GPP Rel 99 RMC 12.2Kbps	17.01	17.02	16.89	18.20	17.48	17.53	17.47	16.70
3GPP Rel 6 HSOPA Subtest-1	15.94	15.85	15.87	17.20	16.53	16.48	16.30	17.70
3GPP Rel 6 HSOPA Subtest-2	15.90	16.10	15.92	17.20	16.47	16.52	16.33	17.70
3GPP Rel 6 HSOPA Subtest-3	15.52	15.46	15.35	16.70	15.89	16.02	15.85	17.20
3GPP Rel 6 HSOPA Subtest-4	15.54	15.44	15.33	16.70	16.01	16.03	15.86	17.20
3GPP Rel 8 DC-HSOPA Subtest-1	15.98	16.03	16.87	17.20	16.55	16.50	16.45	17.70
3GPP Rel 8 DC-HSOPA Subtest-2	15.96	15.97	15.90	17.20	16.55	16.58	16.37	17.70
3GPP Rel 8 DC-HSOPA Subtest-3	15.53	15.61	15.33	16.70	15.86	15.98	15.88	17.20
3GPP Rel 8 DC-HSOPA Subtest-4	15.46	15.61	15.43	16.70	15.90	16.03	15.86	17.20
3GPP Rel 6 HSUPA Subtest-1	15.93	16.04	15.94	17.20	16.51	16.56	16.30	17.70
3GPP Rel 6 HSUPA Subtest-2	14.00	14.10	13.89	15.20	14.47	14.46	14.37	15.70
3GPP Rel 6 HSUPA Subtest-3	14.90	15.07	14.91	15.20	15.40	15.42	15.31	16.70
3GPP Rel 6 HSUPA Subtest-4	13.92	14.00	13.86	15.20	14.59	14.46	14.46	15.70
3GPP Rel 6 HSUPA Subtest-5	15.92	15.91	15.89	17.20	16.50	16.44	16.35	17.70
3GPP Rel 7 HSPA+ (15.6AM) Subtest-1	13.51	13.53	13.41	14.70	13.96	14.00	13.96	15.20

Band 2 Ant5 DSI5														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Time (min)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	15.47	15.50	15.50	16.6	0						
20	QPSK	1	49	15.53	15.62	15.58								
20	QPSK	1	99	15.53	15.62	15.58	16.6	0						
20	QPSK	50	0	15.51	15.52	15.50								
20	QPSK	50	24	15.48	15.60	15.52	16.6	0						
20	QPSK	50	50	15.55	15.61	15.55								
20	QPSK	100	0	15.58	15.57	15.55	16.6	0						
20	QPSK	100	49	15.55	15.52	15.53								
20	HQAM	1	0	15.58	15.57	15.50	16.6	0						
20	HQAM	1	49	15.55	15.52	15.53								
20	HQAM	1	99	15.52	15.54	15.50	16.6	0						
20	HQAM	50	0	15.45	15.62	15.55								
20	HQAM	50	24	15.51	15.62	15.45	16.6	0						
20	HQAM	50	50	15.54	15.51	15.53								
20	HQAM	100	0	15.47	15.53	15.51	16.6	0						
20	HQAM	100	49	15.48	15.58	15.49								
20	HQAM	1	99	15.51	15.51	15.51	16.6	0						
20	HQAM	50	0	15.46	15.57	15.45								
20	HQAM	50	24	15.49	15.58	15.48	16.6	0						
20	HQAM	50	50	15.45	15.43	15.48								
20	HQAM	100	0	15.54	15.53	15.48	16.6	0						
20	HQAM	100	49	15.50	15.55	15.50								
20	25QAM	1	0	15.50	15.51	15.51	16.6	0						
20	25QAM	1	99	15.47	15.57	15.49								
20	25QAM	50	0	15.46	15.61	15.56	16.6	0						
20	25QAM	50	24	15.46	15.58	15.56								
20	25QAM	50	50	15.50	15.53	15.51	16.6	0						
20	25QAM	100	0	15.52	15.58	15.52								
Channel														
Frequency (MHz)														
15	QPSK	1	0	15.37	15.36	15.41	16.6	0						
15	QPSK	1	37	15.43	15.56	15.48								
15	QPSK	1	74	15.43	15.53	15.43	16.6	0						
15	QPSK	36	0	15.44	15.42	15.51								
15	QPSK	36	20	15.40	15.49	15.41	16.6	0						
15	QPSK	36	36	15.46	15.54	15.46								
15	QPSK	75	0	15.51	15.52	15.46	16.6	0						
15	HQAM	1	0	15.44	15.45	15.38								
15	HQAM	1	37	15.40	15.42	15.41	16.6	0						
15	HQAM	1	74	15.38	15.41	15.50								
15	HQAM	36	0	15.34	15.54	15.43	16.6	0						
15	HQAM	36	20	15.42	15.48	15.35								
15	HQAM	36	36	15.44	15.40	15.46	16.6	0						
15	HQAM	75	0	15.42	15.42	15.36								
15	HQAM	75	0	15.46	15.54	15.39	16.6	0						
15	HQAM	1	37	15.44	15.45	15.41								
15	HQAM	1	74	15.40	15.46	15.45	16.6	0						
15	HQAM	36	0	15.37	15.53	15.53								
15	HQAM	36	20	15.41	15.50	15.37	16.6	0						
15	HQAM	36	36	15.39	15.54	15.34								
15	HQAM	75	0	15.45	15.43	15.41	16.6	0						
15	HQAM	75	0	15.49	15.49	15.41								
15	25QAM	1	0	15.46	15.51	15.50	16.6	0						
15	25QAM	1	37	15.40	15.51	15.48								
15	25QAM	1	74	15.40	15.50	15.41	16.6	0						
15	25QAM	36	0	15.31	15.47	15.44								
15	25QAM	36	20	15.35	15.46	15.41	16.6	0						
15	25QAM	36	36	15.40	15.45	15.44								
15	25QAM	75	0	15.39	15.45	15.48	16.6	0						
Channel														
Frequency (MHz)														
10	QPSK	1	0	15.41	15.43	15.44	16.6	0						
10	QPSK	1	25	15.43	15.48	15.42								
10	QPSK	1	49	15.41	15.52	15.31	16.6	0						
10	QPSK	25	0	15.36	15.41	15.52								
10	QPSK	25	12	15.40	15.45	15.48	16.6	0						
10	QPSK	25	25	15.47	15.50	15.46								
10	HQAM	1	0	15.43	15.42	15.44	16.6	0						
10	HQAM	1	0	15.48	15.52	15.35								
10	HQAM	1	25	15.41	15.41	15.41	16.6	0						
10	HQAM	1	49	15.42	15.41	15.53								
10	HQAM	25	0	15.32	15.47	15.43	16.6	0						
10	HQAM	25	12	15.40	15.37	15.43								
10	HQAM	25	25	15.45	15.43	15.43	16.6	0						
10	HQAM	50	0	15.39	15.43	15.41								
10	HQAM	50	0	15.46	15.47	15.38	16.6	0						
10	HQAM	1	25	15.41	15.45	15.41								
10	HQAM	25	0	15.41	15.52	15.50	16.6	0						
10	HQAM	25	12	15.34	15.49	15.42								
10	HQAM	25	25	15.39	15.50	15.41	16.6	0						
10	HQAM	50	0	15.44	15.45	15.43								
10	25QAM	1	0	15.41	15.48	15.38	16.6	0						
10	25QAM	1	25	15.37	15.50	15.41								
10	25QAM	1	49	15.34	15.49	15.42	16.6	0						
10	25QAM	25	0	15.40	15.55	15.41								
10	25QAM	25	12	15.32	15.48	15.41	16.6	0						
10	25QAM	25	25	15.39	15.46	15.47								
10	25QAM	50	0	15.40	15.50	15.44	16.6	0						
Channel														
Frequency (MHz)														
5	QPSK	1	0	15.31	15.41	15.44	16.6	0						
5	QPSK	1	12	15.36	15.55	15.51								
5	QPSK	1	24	15.41	15.45	15.53	16.6	0						
5	QPSK	12	0	15.40	15.47	15.50								
5	QPSK	12	7	15.33	15.53	15.41	16.6	0						
5	QPSK	12	13	15.44	15.48	15.43								
5	QPSK	25	0	15.42	15.44	15.44	16.6	0						
5	HQAM	1	0	15.43	15.50	15.45								
5	HQAM	1	12	15.45	15.38	15.43	16.6	0						
5	HQAM	1	24	15.45	15.44	15.48								
5	HQAM	12	0	15.41	15.50	15.45	16.6	0						
5	HQAM	12	7	15.43	15.53	15.40								
5	HQAM	12	13	15.46	15.39	15.40	16.6	0						
5	HQAM	25	0	15.38	15.47	15.37								
5	HQAM	25	0	15.53	15.57	15.50	16.6	0						
5	HQAM	1	12	15.39	15.45	15.38								
5	HQAM	1												

Band 25 Ant5 DS15											Band 66 Ant5 DS15													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mch Ch / Freq	Power High Ch / Freq	Time-up (s)	MPR (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mch Ch / Freq	Power High Ch / Freq	Time-up (s)	MPR (dB)					
Channel										Channel	Channel													
Frequency (MHz)										Frequency (MHz)	Frequency (MHz)													
20	QPSK	1	0	15.56	15.68	15.55	16.7	0		20	QPSK	1	0	15.05	15.13	15.05	17	0						
20	QPSK	1	49	15.55	15.58	15.61				20	QPSK	1	49	15.08	15.16	15.08								
20	QPSK	1	99	15.46	15.54	15.61				20	QPSK	1	99	15.08	15.08	15.16								
20	QPSK	50	0	15.52	15.62	15.51				20	QPSK	50	0	15.01	15.15	15.10								
20	QPSK	50	24	15.55	15.54	15.56				20	QPSK	50	24	15.05	15.05	15.07								
20	QPSK	50	50	15.50	15.05	15.53	16.7	0		20	QPSK	50	50	15.03	15.10	15.08	17	0						
20	QPSK	100	0	15.46	15.56	15.51				20	QPSK	100	0	15.03	15.16	15.01								
20	QPSK	100	0	15.55	15.61	15.55				20	QPSK	100	0	15.05	15.15	15.07								
20	HQAM	1	0	15.49	15.61	15.51				20	HQAM	1	0	15.04	15.12	15.04								
20	HQAM	1	99	15.48	15.59	15.52				20	HQAM	1	99	15.04	15.06	15.11								
20	HQAM	50	0	15.49	15.61	15.55	16.7	0		20	HQAM	50	0	15.07	15.10	15.05	17	0						
20	HQAM	50	24	15.56	15.55	15.51				20	HQAM	50	24	15.08	15.14	15.09								
20	HQAM	50	50	15.47	15.61	15.62				20	HQAM	50	50	15.07	15.11	15.07								
20	HQAM	100	0	15.51	15.63	15.55				20	HQAM	100	0	15.00	15.06	15.08								
20	HQAM	1	0	15.57	15.54	15.63				20	HQAM	1	0	15.05	15.14	15.00								
20	HQAM	1	49	15.57	15.57	15.62	16.7	0		20	HQAM	1	49	15.00	15.07	15.11	17	0						
20	HQAM	1	99	15.47	15.63	15.57				20	HQAM	1	99	15.58	15.04	15.04								
20	HQAM	50	0	15.55	15.57	15.56				20	HQAM	50	0	15.00	15.09	15.04								
20	HQAM	50	24	15.52	15.57	15.51				20	HQAM	50	24	15.03	15.15	15.05								
20	HQAM	50	50	15.54	15.60	15.60				20	HQAM	50	50	15.07	15.15	15.11								
20	HQAM	100	0	15.52	15.63	15.54	16.7	0		20	HQAM	100	0	15.00	15.06	15.08	17	0						
20	256QAM	1	0	15.49	15.58	15.62				20	256QAM	1	0	15.02	15.15	15.05								
20	256QAM	1	49	15.54	15.54	15.51				20	256QAM	1	49	15.51	15.09	15.10								
20	256QAM	1	99	15.52	15.64	15.54				20	256QAM	1	99	15.58	15.04	15.04								
20	256QAM	50	0	15.56	15.63	15.62				20	256QAM	50	0	15.59	15.14	15.10								
20	256QAM	50	24	15.55	15.60	15.58	16.7	0		20	256QAM	50	24	15.08	15.12	15.02	17	0						
20	256QAM	50	50	15.52	15.65	15.54				20	256QAM	50	50	15.06	15.04	15.09								
20	256QAM	100	0	15.49	15.61	15.51				20	256QAM	100	0	15.07	15.16	15.03								
Channel										Channel		Channel												
Frequency (MHz)										Frequency (MHz)	Frequency (MHz)													
15	QPSK	1	0	15.42	15.54	15.40	16.7	0		15	QPSK	1	0	15.59	15.69	15.51	17	0						
15	QPSK	1	37	15.48	15.47	15.55				15	QPSK	1	37	15.51	15.63	15.54								
15	QPSK	1	74	15.35	15.40	15.45				15	QPSK	1	74	15.03	15.01	15.04								
15	QPSK	36	0	15.42	15.50	15.45				15	QPSK	36	0	15.92	15.01	15.01								
15	QPSK	36	20	15.49	15.42	15.40				15	QPSK	36	20	15.96	15.94	15.87								
15	QPSK	36	39	15.42	15.42	15.47	16.7	0		15	QPSK	36	39	15.95	15.10	15.03	17	0						
15	QPSK	75	0	15.44	15.43	15.42				15	QPSK	75	0	15.88	15.09	15.35								
15	HQAM	1	0	15.51	15.55	15.49				15	HQAM	1	0	15.51	15.05	15.50								
15	HQAM	1	37	15.43	15.51	15.47				15	HQAM	1	37	15.95	15.99	15.88								
15	HQAM	1	74	15.41	15.44	15.38				15	HQAM	1	74	15.89	15.94	15.07								
15	HQAM	36	0	15.40	15.46	15.44	16.7	0		15	HQAM	36	0	15.91	15.05	15.50	17	0						
15	HQAM	36	20	15.47	15.47	15.40				15	HQAM	36	20	15.89	15.03	15.86								
15	HQAM	36	39	15.32	15.55	15.44				15	HQAM	36	39	15.98	15.02	15.88								
15	HQAM	75	0	15.37	15.59	15.44				15	HQAM	75	0	15.93	15.06	15.99								
15	HQAM	1	0	15.45	15.42	15.58				15	HQAM	1	0	15.99	15.09	15.94								
15	HQAM	1	37	15.50	15.44	15.38	16.7	0		15	HQAM	1	37	15.93	15.92	15.84	17	0						
15	HQAM	1	74	15.34	15.53	15.44				15	HQAM	1	74	15.83	15.96	15.86								
15	HQAM	36	0	15.46	15.51	15.46				15	HQAM	36	0	15.95	15.04	15.95								
15	HQAM	36	20	15.43	15.52	15.44				15	HQAM	36	20	15.96	15.02	15.95								
15	HQAM	36	39	15.49	15.49	15.55				15	HQAM	36	39	15.97	15.01	15.92								
15	HQAM	75	0	15.47	15.51	15.58	16.7	0		15	HQAM	75	0	15.92	15.03	15.91	17	0						
15	256QAM	1	0	15.42	15.49	15.52				15	256QAM	1	0	15.86	15.09	15.94								
15	256QAM	1	37	15.40	15.49	15.51				15	256QAM	1	37	15.87	15.08	15.87								
15	256QAM	1	74	15.48	15.59	15.57				15	256QAM	1	74	15.87	15.98	15.91								
15	256QAM	36	0	15.42	15.59	15.57				15	256QAM	36	0	15.92	15.09	15.95								
15	256QAM	36	20	15.57	15.57	15.57	16.7	0		15	256QAM	36	20	15.97	15.07	15.97	17	0						
15	256QAM	36	39	15.45	15.50	15.40				15	256QAM	36	39	15.99	15.99	15.88								
15	256QAM	75	0	15.37	15.51	15.43				15	256QAM	75	0	15.95	15.03	15.92								
Channel										Channel		Channel												
Frequency (MHz)										Frequency (MHz)	Frequency (MHz)													
10	QPSK	1	0	15.51	15.52	15.48	16.7	0		10	QPSK	1	0	15.98	15.02	15.92	17	0						
10	QPSK	1	25	15.49	15.48	15.51				10	QPSK	1	25	15.94	15.01	15.89								
10	QPSK	1	49	15.36	15.47	15.54				10	QPSK	1	49	15.02	15.97	15.95								
10	QPSK	25	0	15.39	15.50	15.51				10	QPSK	25	0	15.89	15.99	15.87								
10	QPSK	25	12	15.45	15.43	15.42				10	QPSK	25	12	15.92	15.96	15.93								
10	QPSK	25	25	15.40	15.43	15.49	16.7	0		10	QPSK	25	25	15.90	15.10	15.93	17	0						
10	QPSK	50	0	15.43	15.43	15.42				10	QPSK	50	0	15.97	15.05	15.96								
10	HQAM	1	0	15.44	15.47	15.48																		

Band 38 Ant5 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel				37650	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	20.09	20.21	20.04	21	0				
20	QPSK	1	49	20.09	20.12	20.10						
20	QPSK	1	99	20.10	20.10	20.06						
20	QPSK	50	0	20.10	20.19	20.04	21	0				
20	QPSK	50	24	20.08	20.12	20.08						
20	QPSK	50	50	20.05	20.18	20.04						
20	QPSK	100	0	20.13	20.15	20.06	21	0				
20	16QAM	1	0	20.13	20.10	20.08						
20	16QAM	1	49	20.15	20.12	20.05						
20	16QAM	1	99	20.07	20.17	20.07	21	0				
20	16QAM	50	0	20.12	20.11	20.08						
20	16QAM	50	24	20.06	20.10	20.07						
20	16QAM	50	50	20.14	20.18	20.08	21	0				
20	16QAM	100	0	20.10	20.11	20.09						
20	64QAM	1	0	20.11	20.11	20.07						
20	64QAM	1	49	20.11	20.00	20.05	21	0				
20	64QAM	1	99	20.04	20.17	20.02						
20	64QAM	50	0	20.11	20.14	20.11						
20	64QAM	50	24	20.11	20.13	20.10	21	0				
20	64QAM	50	50	20.05	20.13	20.05						
20	64QAM	100	0	20.10	20.09	20.04						
20	256QAM	1	0	19.53	19.69	19.53	20.5	0.5				
20	256QAM	1	49	19.55	19.68	19.58						
20	256QAM	1	99	19.58	19.67	19.60						
20	256QAM	50	0	19.56	19.68	19.53	20.5	0.5				
20	256QAM	50	24	19.56	19.66	19.51						
20	256QAM	50	50	19.62	19.70	19.51						
20	256QAM	100	0	19.55	19.61	19.55	20.5	0.5				
Channel				37625	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	19.99	20.04	19.98	21	0				
15	QPSK	1	37	19.94	20.02	19.96						
15	QPSK	1	74	19.96	19.97	19.98						
15	QPSK	36	0	19.99	20.01	19.99	21	0				
15	QPSK	36	20	20.01	20.00	20.00						
15	QPSK	36	39	19.99	20.05	19.95						
15	QPSK	75	0	20.04	19.96	19.99	21	0				
15	16QAM	1	0	20.01	20.02	19.94						
15	16QAM	1	37	20.03	20.02	19.99						
15	16QAM	1	74	19.95	20.11	20.00	21	0				
15	16QAM	36	0	19.97	20.02	20.01						
15	16QAM	36	20	20.00	19.94	19.96						
15	16QAM	36	39	20.10	20.05	19.92	21	0				
15	16QAM	75	0	20.04	20.05	19.97						
15	64QAM	1	0	19.95	20.10	19.98						
15	64QAM	1	37	19.99	20.14	19.95	21	0				
15	64QAM	1	74	19.98	20.08	19.96						
15	64QAM	36	0	20.01	20.06	19.96						
15	64QAM	36	20	20.05	19.97	20.06	21	0				
15	64QAM	36	39	19.94	20.03	19.94						
15	64QAM	75	0	20.00	19.99	19.99						
15	256QAM	1	0	19.38	19.60	19.38	20.5	0.5				
15	256QAM	1	37	19.50	19.59	19.46						
15	256QAM	1	74	19.47	19.58	19.48						
15	256QAM	36	0	19.41	19.53	19.46	20.5	0.5				
15	256QAM	36	20	19.51	19.53	19.36						
15	256QAM	36	39	19.57	19.59	19.39						
15	256QAM	75	0	19.50	19.54	19.50	20.5	0.5				
Channel				37600	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	19.97	20.08	19.95	21	0				
10	QPSK	1	25	19.95	19.98	20.02						
10	QPSK	1	49	19.95	20.01	19.92						
10	QPSK	25	0	20.05	20.03	19.94	21	0				
10	QPSK	25	12	19.98	20.03	19.94						
10	QPSK	25	25	19.90	20.04	19.90						
10	QPSK	50	0	20.03	19.98	20.00	21	0				
10	16QAM	1	0	20.08	19.97	20.01						
10	16QAM	1	25	20.09	20.05	19.97						
10	16QAM	1	49	19.95	20.09	20.02	21	0				
10	16QAM	25	0	19.97	20.05	20.02						
10	16QAM	25	12	19.95	19.95	19.92						
10	16QAM	25	25	19.98	20.09	19.92	21	0				
10	16QAM	50	0	20.01	19.99	20.02						
10	64QAM	1	0	20.04	20.11	20.02						
10	64QAM	1	25	20.06	20.05	19.97	21	0				
10	64QAM	1	49	19.97	20.04	19.87						
10	64QAM	25	0	20.07	19.99	20.04						
10	64QAM	25	12	20.04	20.02	19.96	21	0				
10	64QAM	25	25	19.95	20.02	19.94						
10	64QAM	50	0	19.98	20.00	19.98						
10	256QAM	1	0	19.42	19.58	19.40	20.5	0.5				
10	256QAM	1	25	19.51	19.60	19.46						
10	256QAM	1	49	19.54	19.60	19.53						
10	256QAM	25	0	19.43	19.55	19.48	20.5	0.5				
10	256QAM	25	12	19.52	19.50	19.43						
10	256QAM	25	25	19.58	19.56	19.38						
10	256QAM	50	0	19.40	19.57	19.48	20.5	0.5				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	20.03	20.05	19.99	21	0				
5	QPSK	1	12	19.95	19.98	19.97						
5	QPSK	1	24	20.01	19.96	19.93						
5	QPSK	12	0	20.00	20.04	20.00	21	0				
5	QPSK	12	7	20.03	19.97	19.95						
5	QPSK	12	13	19.88	20.06	20.00						
5	QPSK	25	0	20.03	20.04	19.91	21	0				
5	16QAM	1	0	20.01	20.01	19.99						
5	16QAM	1	12	20.07	20.06	19.96						
5	16QAM	1	24	19.95	20.12	19.91	21	0				
5	16QAM	12	0	20.00	19.95	19.94						
5	16QAM	12	7	19.96	20.04	19.93						
5	16QAM	12	13	20.00	20.04	20.01	21	0				
5	16QAM	25	0	20.00	20.05	20.00						
5	64QAM	1	0	20.04	20.11	19.98						
5	64QAM	1	12	19.99	20.07	19.99	21	0				
5	64QAM	1	24	19.98	20.09	19.94						
5	64QAM	12	0	20.02	20.06	19.98						
5	64QAM	12	7	20.03	20.02	20.05	21	0				
5	64QAM	12	13	19.99	20.02	19.93						
5	64QAM	25	0	20.03	19.99	19.93						
5	256QAM	1	0	19.38	19.61	19.45	20.5	0.5				
5	256QAM	1	12	19.49	19.60	19.47						
5	256QAM	1	24	19.48	19.52	19.55						
5	256QAM	12	0	19.42	19.59	19.42	20.5	0.5				
5	256QAM	12	7	19.41	19.57	19.39						
5	256QAM	12	13	19.55	19.66	19.36						

Band 38 Other PA Ant6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	17.37	17.55	17.34	18.4	0			
20	QPSK	1	49	17.47	17.41	17.43					
20	QPSK	1	99	17.44	17.45	17.45					
20	QPSK	50	0	17.42	17.48	17.43					
20	QPSK	50	24	17.35	17.48	17.36	18.4	0			
20	QPSK	50	50	17.43	17.46	17.35					
20	QPSK	100	0	17.36	17.42	17.41					
20	16QAM	1	0	17.43	17.42	17.43					
20	16QAM	1	49	17.44	17.46	17.36	18.4	0			
20	16QAM	1	99	17.44	17.48	17.37					
20	16QAM	50	0	17.41	17.45	17.38					
20	16QAM	50	24	17.40	17.39	17.39					
20	16QAM	50	50	17.46	17.48	17.42	18.4	0			
20	16QAM	100	0	17.40	17.43	17.37					
20	64QAM	1	0	17.43	17.40	17.42					
20	64QAM	1	49	17.42	17.49	17.45					
20	64QAM	1	99	17.36	17.49	17.38	18.4	0			
20	64QAM	50	0	17.39	17.39	17.40					
20	64QAM	50	24	17.36	17.40	17.34					
20	64QAM	50	50	17.38	17.44	17.34					
20	64QAM	100	0	17.36	17.41	17.35	18.4	0			
20	256QAM	1	0	17.43	17.42	17.36					
20	256QAM	1	49	17.43	17.47	17.33					
20	256QAM	1	99	17.46	17.38	17.36					
20	256QAM	50	0	17.47	17.44	17.40	18.4	0			
20	256QAM	50	24	17.45	17.45	17.33					
20	256QAM	50	50	17.45	17.41	17.36					
20	256QAM	100	0	17.45	17.48	17.45					
Channel				37625	38000	38175					
Frequency (MHz)				25775	2595	2612.5					
15	QPSK	1	0	17.33	17.32	17.28	18.4	0			
15	QPSK	1	37	17.36	17.32	17.28					
15	QPSK	1	74	17.36	17.31	17.37					
15	QPSK	36	0	17.31	17.35	17.36					
15	QPSK	36	20	17.28	17.43	17.30	18.4	0			
15	QPSK	36	39	17.31	17.39	17.25					
15	QPSK	75	0	17.31	17.30	17.27					
15	16QAM	1	0	17.28	17.30	17.33					
15	16QAM	1	37	17.34	17.35	17.31	18.4	0			
15	16QAM	1	74	17.37	17.43	17.29					
15	16QAM	36	0	17.34	17.40	17.24					
15	16QAM	36	20	17.33	17.32	17.33					
15	16QAM	36	39	17.38	17.43	17.38	18.4	0			
15	16QAM	75	0	17.30	17.34	17.21					
15	64QAM	1	0	17.36	17.29	17.30					
15	64QAM	1	37	17.32	17.43	17.31					
15	64QAM	1	74	17.27	17.36	17.24	18.4	0			
15	64QAM	36	0	17.34	17.35	17.28					
15	64QAM	36	20	17.25	17.35	17.22					
15	64QAM	36	39	17.33	17.34	17.25					
15	64QAM	75	0	17.30	17.33	17.31	18.4	0			
15	256QAM	1	0	17.27	17.33	17.32					
15	256QAM	1	37	17.33	17.32	17.20					
15	256QAM	1	74	17.31	17.28	17.29					
15	256QAM	36	0	17.36	17.35	17.28	18.4	0			
15	256QAM	36	20	17.35	17.37	17.21					
15	256QAM	36	39	17.32	17.29	17.25					
15	256QAM	75	0	17.38	17.40	17.40					
Channel				37600	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	17.21	17.36	17.28	18.4	0			
10	QPSK	1	25	17.42	17.36	17.29					
10	QPSK	1	49	17.30	17.37	17.35					
10	QPSK	25	0	17.29	17.35	17.30					
10	QPSK	25	12	17.19	17.32	17.24	18.4	0			
10	QPSK	25	25	17.37	17.34	17.31					
10	QPSK	50	0	17.30	17.26	17.33					
10	16QAM	1	0	17.34	17.29	17.32					
10	16QAM	1	25	17.32	17.35	17.29	18.4	0			
10	16QAM	1	49	17.29	17.37	17.29					
10	16QAM	25	0	17.30	17.41	17.33					
10	16QAM	25	12	17.34	17.31	17.25					
10	16QAM	25	25	17.32	17.42	17.37	18.4	0			
10	16QAM	50	0	17.32	17.39	17.25					
10	64QAM	1	0	17.39	17.26	17.30					
10	64QAM	1	25	17.37	17.42	17.32					
10	64QAM	1	49	17.25	17.40	17.29	18.4	0			
10	64QAM	25	0	17.35	17.31	17.28					
10	64QAM	25	12	17.27	17.30	17.29					
10	64QAM	25	25	17.34	17.39	17.29					
10	64QAM	50	0	17.25	17.28	17.23	18.4	0			
10	256QAM	1	0	17.38	17.28	17.29					
10	256QAM	1	25	17.29	17.35	17.25					
10	256QAM	1	49	17.38	17.32	17.32					
10	256QAM	25	0	17.34	17.28	17.25	18.4	0			
10	256QAM	25	12	17.33	17.31	17.24					
10	256QAM	25	25	17.35	17.35	17.21					
10	256QAM	50	0	17.34	17.38	17.30					
Channel				37775	38000	38225					
Frequency (MHz)				25725	2595	2617.5					
5	QPSK	1	0	17.23	17.38	17.25	18.4	0			
5	QPSK	1	12	17.37	17.32	17.36					
5	QPSK	1	24	17.36	17.40	17.32					
5	QPSK	12	0	17.28	17.35	17.37					
5	QPSK	12	7	17.30	17.42	17.27	18.4	0			
5	QPSK	12	13	17.31	17.40	17.26					
5	QPSK	25	0	17.30	17.34	17.28					
5	16QAM	1	0	17.35	17.31	17.35					
5	16QAM	1	12	17.32	17.34	17.24	18.4	0			
5	16QAM	1	24	17.40	17.33	17.32					
5	16QAM	12	0	17.26	17.39	17.23					
5	16QAM	12	7	17.28	17.27	17.23					
5	16QAM	12	13	17.40	17.41	17.29	18.4	0			
5	16QAM	25	0	17.26	17.34	17.29					
5	64QAM	1	0	17.28	17.33	17.36					
5	64QAM	1	12	17.37	17.38	17.40					
5	64QAM	1	24	17.29	17.38	17.25	18.4	0			
5	64QAM	12	0	17.29	17.28	17.24					
5	64QAM	12	7	17.30	17.31	17.22					
5	64QAM	12	13	17.24	17.34	17.21					
5	64QAM	25	0	17.24	17.31	17.27	18.4	0			
5	256QAM	1	0	17.34	17.38	17.32					
5	256QAM	1	12	17.39	17.40	17.18					
5	256QAM	1	24	17.39	17.24	17.21					
5	256QAM	12	0	17.41	17.38	17.29	18.4	0			
5	256QAM	12	7	17.39	17.30	17.28					
5	256QAM	12	13	17.36	17.34	17.24					
5	256QAM	25	0	17.31	17.29	17.33					

Band 42 Ant9 DS15										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	17.79	17.96	17.88	19	0		
20	QPSK	1	49	17.76	17.89	17.89				
20	QPSK	1	99	17.79	17.93	17.79	19	0		
20	QPSK	50	0	17.78	17.93	17.87				
20	QPSK	50	24	17.80	17.85	17.89	19	0		
20	QPSK	50	50	17.86	17.92	17.87				
20	QPSK	100	0	17.84	17.89	17.87	19	0		
20	16QAM	1	0	17.78	17.84	17.84				
20	16QAM	1	49	17.80	17.92	17.85	19	0		
20	16QAM	1	99	17.80	17.86	17.88				
20	16QAM	50	0	17.78	17.88	17.83	19	0		
20	16QAM	50	24	17.84	17.94	17.87				
20	16QAM	50	50	17.82	17.84	17.90	19	0		
20	16QAM	100	0	17.82	17.86	17.86				
20	64QAM	1	0	17.77	17.93	17.85	19	0		
20	64QAM	1	49	17.87	17.94	17.89				
20	64QAM	1	99	17.83	17.87	17.85	19	0		
20	64QAM	50	0	17.77	17.86	17.83				
20	64QAM	50	24	17.87	17.93	17.84	19	0		
20	64QAM	50	50	17.76	17.87	17.80				
20	64QAM	100	0	17.85	17.94	17.90	19	0		
20	256QAM	1	0	17.77	17.87	17.79				
20	256QAM	1	49	17.82	17.90	17.81	19	0		
20	256QAM	1	99	17.80	17.87	17.83				
20	256QAM	50	0	17.82	17.93	17.89	19	0		
20	256QAM	50	24	17.79	17.90	17.87				
20	256QAM	50	50	17.86	17.85	17.85	19	0		
20	256QAM	100	0	17.78	17.91	17.80				
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	17.66	17.75	17.84	19	0		
15	QPSK	1	37	17.72	17.74	17.77				
15	QPSK	1	74	17.65	17.80	17.64	19	0		
15	QPSK	36	0	17.65	17.79	17.77				
15	QPSK	36	20	17.70	17.78	17.75	19	0		
15	QPSK	36	39	17.81	17.86	17.79				
15	QPSK	75	0	17.72	17.75	17.74	19	0		
15	16QAM	1	0	17.74	17.70	17.69				
15	16QAM	1	37	17.75	17.82	17.80	19	0		
15	16QAM	1	74	17.67	17.73	17.77				
15	16QAM	36	0	17.69	17.79	17.75	19	0		
15	16QAM	36	20	17.73	17.85	17.74				
15	16QAM	36	39	17.78	17.74	17.82	19	0		
15	16QAM	75	0	17.67	17.74	17.72				
15	64QAM	1	0	17.69	17.86	17.70	19	0		
15	64QAM	1	37	17.79	17.88	17.75				
15	64QAM	1	74	17.72	17.71	17.70	19	0		
15	64QAM	36	0	17.69	17.76	17.67				
15	64QAM	36	20	17.72	17.78	17.69	19	0		
15	64QAM	36	39	17.70	17.71	17.71				
15	64QAM	75	0	17.71	17.84	17.74	19	0		
15	256QAM	1	0	17.63	17.73	17.67				
15	256QAM	1	37	17.68	17.82	17.72	19	0		
15	256QAM	1	74	17.71	17.80	17.71				
15	256QAM	36	0	17.72	17.85	17.77	19	0		
15	256QAM	36	20	17.68	17.81	17.73				
15	256QAM	36	39	17.81	17.79	17.79	19	0		
15	256QAM	75	0	17.66	17.85	17.69				
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	17.65	17.75	17.80	19	0		
10	QPSK	1	25	17.72	17.82	17.80				
10	QPSK	1	49	17.73	17.79	17.69	19	0		
10	QPSK	25	0	17.66	17.80	17.71				
10	QPSK	25	12	17.72	17.81	17.75	19	0		
10	QPSK	25	25	17.73	17.80	17.76				
10	QPSK	50	0	17.74	17.77	17.73	19	0		
10	16QAM	1	0	17.71	17.72	17.77				
10	16QAM	1	25	17.68	17.82	17.71	19	0		
10	16QAM	1	49	17.73	17.75	17.74				
10	16QAM	25	0	17.69	17.79	17.70	19	0		
10	16QAM	25	12	17.68	17.82	17.74				
10	16QAM	25	25	17.74	17.73	17.84	19	0		
10	16QAM	50	0	17.72	17.75	17.76				
10	64QAM	1	0	17.70	17.84	17.74	19	0		
10	64QAM	1	25	17.79	17.85	17.82				
10	64QAM	1	49	17.70	17.82	17.73	19	0		
10	64QAM	25	0	17.63	17.70	17.75				
10	64QAM	25	12	17.80	17.80	17.72	19	0		
10	64QAM	25	25	17.64	17.72	17.69				
10	64QAM	50	0	17.75	17.87	17.78	19	0		
10	256QAM	1	0	17.71	17.72	17.65				
10	256QAM	1	25	17.66	17.79	17.74	19	0		
10	256QAM	1	49	17.73	17.83	17.68				
10	256QAM	25	0	17.70	17.85	17.83	19	0		
10	256QAM	25	12	17.69	17.79	17.82				
10	256QAM	25	25	17.81	17.71	17.80	19	0		
10	256QAM	50	0	17.62	17.86	17.72				
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3421.5	3500	3541.5				
5	QPSK	1	0	17.71	17.76	17.84	19	0		
5	QPSK	1	12	17.65	17.82	17.78				
5	QPSK	1	24	17.64	17.85	17.72	19	0		
5	QPSK	12	0	17.67	17.78	17.79				
5	QPSK	12	7	17.73	17.80	17.84	19	0		
5	QPSK	12	13	17.77	17.89	17.78				
5	QPSK	25	0	17.70	17.81	17.82	19	0		
5	16QAM	1	0	17.66	17.75	17.76				
5	16QAM	1	12	17.71	17.87	17.80	19	0		
5	16QAM	1	24	17.73	17.81	17.75				
5	16QAM	12	0	17.64	17.83	17.72	19	0		
5	16QAM	12	7	17.73	17.81	17.75				
5	16QAM	12	13	17.70	17.69	17.80	19	0		
5	16QAM	25	0	17.75	17.82	17.72				
5	64QAM	1	0	17.69	17.81	17.70	19	0		
5	64QAM	1	12	17.79	17.79	17.85				
5	64QAM	1	24	17.75	17.72	17.74	19	0		
5	64QAM	12	0	17.67	17.73	17.76				
5	64QAM	12	7	17.73	17.78	17.70	19	0		
5	64QAM	12	13	17.71	17.72	17.75				
5	64QAM	25	0	17.79	17.79	17.87	19	0		
5	16QAM	1	0	17.64	17.72	17.68				
5	256QAM	1	12	17.78	17.81	17.65	19	0		
5	256QAM	1	24	17.72	17.79	17.78				
5	256QAM	12	0	17.72	17.78	17.74	19	0		
5	256QAM	12	7	17.74	17.83	17.76				
5	256QAM	12	13	17.71	17.77	17.71	19	0		
5	256QAM	25	0	17.71	17.78	17.68				

FR1 n5 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				16600	16700	16780			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	25.29	25.29	25.18			
20	PI2 BPSK	1	53	25.28	25.27	25.26	25.7	0.0	
20	PI2 BPSK	1	104	25.13	25.15	25.07			
20	PI2 BPSK	50	0	24.41	24.82	24.54	25.2	0.5	
20	PI2 BPSK	50	28	25.31	25.26	25.07	25.7	0.0	
20	PI2 BPSK	50	56	24.59	24.69	24.77			
20	PI2 BPSK	100	0	24.50	24.46	24.71	25.2	0.5	
20	QPSK	1	1	25.30	25.37	25.28			
20	QPSK	1	53	25.17	25.33	25.07	25.7	0.0	
20	QPSK	1	104	25.19	25.01	24.99			
20	QPSK	50	0	24.00	24.17	23.91	24.7	1.0	
20	QPSK	50	28	24.90	25.35	24.88	25.7	0.0	
20	QPSK	50	56	23.99	24.11	24.06			
20	QPSK	100	0	24.27	24.31	24.14	24.7	1.0	
20	16QAM	1	1	24.14	24.11	24.00	24.7	1.0	
20	64QAM	1	1	22.44	22.68	22.82	23.2	2.5	
20	256QAM	1	1	20.46	20.45	20.58	21.2	4.5	
Channel				169300	167800	169300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	25.34	25.21	25.16	25.7	0.0	
Channel				165000	167800	165000	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	25.30	25.29	25.33	25.7	0.0	
Channel				163300	167800	163300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	25.15	25.14	25.34	25.7	0.0	

Full&Default Power Mode FR1 n12 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				709.5	707.5	709.5			
15	PI2 BPSK	1	1	24.41	24.57	24.51			
15	PI2 BPSK	1	40	24.38	24.54	24.37	25.5	0.0	
15	PI2 BPSK	1	77	24.29	24.46	24.25			
15	PI2 BPSK	36	0	23.94	24.05	23.98	25.0	0.5	
15	PI2 BPSK	36	22	24.45	24.44	24.23	25.5	0.0	
15	PI2 BPSK	36	43	23.81	24.02	23.91			
15	PI2 BPSK	76	0	24.02	24.04	24.02	25.0	0.5	
15	QPSK	1	1	24.43	24.63	24.53			
15	QPSK	1	40	24.45	24.54	24.55	25.5	0.0	
15	QPSK	1	77	24.54	24.56	24.52			
15	QPSK	36	0	23.52	23.52	23.41	24.5	1.0	
15	QPSK	36	22	24.57	24.57	24.46	25.5	0.0	
15	QPSK	36	43	23.34	23.53	23.53			
15	QPSK	76	0	23.47	23.56	23.44	24.5	1.0	
15	16QAM	1	1	23.89	23.87	23.85	24.5	1.0	
15	64QAM	1	1	22.02	22.23	22.05	23.0	2.5	
15	256QAM	1	1	19.97	20.09	20.07	21.0	4.5	
Channel				140900	141500	142000	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	24.62	24.51	24.56	25.5	0.0	
Channel				140300	141500	142000	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	24.52	24.58	24.57	25.5	0.0	

FR1 n26 Ant0 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164000	165000	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	25.20	25.18	25.03			
20	PI2 BPSK	1	53	25.15	25.23	25.25	25.7	0.0	
20	PI2 BPSK	1	104	25.01	25.15	25.19			
20	PI2 BPSK	50	0	24.56	24.67	24.55	25.2	0.5	
20	PI2 BPSK	50	28	25.20	25.13	25.03	25.7	0.0	
20	PI2 BPSK	50	56	24.54	24.67	24.78			
20	PI2 BPSK	100	0	24.47	24.59	24.73	25.2	0.5	
20	QPSK	1	1	25.19	25.26	25.22			
20	QPSK	1	53	25.18	25.24	25.14	25.7	0.0	
20	QPSK	1	104	25.13	24.99	25.04			
20	QPSK	50	0	23.94	24.04	24.04	24.7	1.0	
20	QPSK	50	28	25.03	25.21	25.02	25.7	0.0	
20	QPSK	50	56	24.06	24.15	24.05			
20	QPSK	100	0	24.16	24.22	24.17	24.7	1.0	
20	16QAM	1	1	24.03	24.12	24.06	24.7	1.0	
20	64QAM	1	1	22.58	22.67	22.79	23.2	2.5	
20	256QAM	1	1	20.47	20.57	20.67	21.2	4.5	
Channel				164300	165000	165300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	25.18	25.18	25.15	25.7	0.0	
Channel				163800	165000	163800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	25.18	25.21	25.14	25.7	0.0	
Channel				163300	165000	163300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	25.06	25.16	25.21	25.7	0.0	

FR1 n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.62	24.73	24.58			
20	PI2 BPSK	1	83	24.61	24.65	24.55	25.5	0.0	
20	PI2 BPSK	1	104	24.67	24.76	24.73			
20	PI2 BPSK	50	0	24.04	24.03	23.93	25.0	0.5	
20	PI2 BPSK	50	28	24.69	24.68	24.54	25.5	0.0	
20	PI2 BPSK	50	55	24.02	24.12	24.05	25.0	0.5	
20	PI2 BPSK	100	0	23.95	24.10	24.09	25.0	0.5	
20	QPSK	1	1	24.75	24.81	24.78			
20	QPSK	1	53	24.59	24.69	24.58	25.5	0.0	
20	QPSK	1	104	24.64	24.64	24.61			
20	QPSK	50	0	23.78	23.58	23.36	24.5	1.0	
20	QPSK	50	28	24.72	24.74	24.53	25.5	0.0	
20	QPSK	50	55	23.99	23.55	23.40	24.5	1.0	
20	QPSK	100	0	23.71	23.77	23.55	24.5	1.0	
20	16QAM	1	1	23.78	23.75	23.58	24.5	1.0	
20	64QAM	1	1	22.31	22.10	21.55	23.0	2.5	
20	256QAM	1	1	20.15	20.11	20.25	21.0	4.5	
Channel				168300	167300	168300	Tune-	MPR	
Frequency (MHz)				831.5	836.5	841.5	up limit	(dB)	
15	QPSK	1	1	24.47	24.73	24.50	25.5	0.0	
Channel				169800	167300	169800	Tune-	MPR	
Frequency (MHz)				829	836.5	844	up limit	(dB)	
10	QPSK	1	1	24.60	24.71	24.65	25.5	0.0	
Channel				165300	167200	165300	Tune-	MPR	
Frequency (MHz)				826.5	836.5	846.5	up limit	(dB)	
5	QPSK	1	1	24.58	24.54	24.56	25.5	0.0	

FR1 n12 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	24.15	24.31	24.24			
15	PI2 BPSK	1	40	24.31	24.27	24.23	25.0	0.0	
15	PI2 BPSK	1	77	24.25	24.34	24.17			
15	PI2 BPSK	36	0	23.80	23.72	23.78	24.5	0.5	
15	PI2 BPSK	36	22	24.30	24.32	24.20	25.0	0.0	
15	PI2 BPSK	36	43	23.92	23.84	23.93	24.5	0.5	
15	PI2 BPSK	75	0	23.92	23.57	23.53	24.5	0.5	
15	QPSK	1	1	24.30	24.38	24.34			
15	QPSK	1	40	24.24	24.15	24.33	25.0	0.0	
15	QPSK	1	77	24.20	24.38	24.35			
15	QPSK	36	0	23.07	23.27	23.37	24.0	1.0	
15	QPSK	36	22	24.31	24.37	24.31	25.0	0.0	
15	QPSK	36	43	23.31	23.16	23.14	24.0	1.0	
15	QPSK	75	0	23.12	23.28	23.25	24.0	1.0	
15	16QAM	1	1	23.28	23.48	23.39	24.0	1.0	
15	64QAM	1	1	21.97	21.92	21.97	22.5	2.5	
15	256QAM	1	1	20.07	20.21	20.07	20.5	4.5	
Channel				140800	141500	142200	Tune-	MPR	
Frequency (MHz)				704	707.5	711	up limit	(dB)	
10	QPSK	1	1	24.16	24.21	24.13	25.0	0.0	
Channel				140300	141500	142200	Tune-	MPR	
Frequency (MHz)				701.5	707.5	713.5	up limit	(dB)	
5	QPSK	1	1	24.15	24.27	24.24	25.0	0.0	

FR1 n26 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166900	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	24.78	24.85	24.73			
20	PI2 BPSK	1	53	24.74	24.74	24.68	25.5	0.0	
20	PI2 BPSK	1	104	24.59	24.63	24.80			
20	PI2 BPSK	50	0	24.00	24.01	23.89	25.0	0.5	
20	PI2 BPSK	50	28	24.59	24.64	24.50	25.5	0.0	
20	PI2 BPSK	50	55	23.89	24.14	24.21	25.0	0.5	
20	PI2 BPSK	100	0	24.15	24.25	24.20	25.0	0.5	
20	QPSK	1	1	24.81	24.86	24.78			
20	QPSK	1	53	24.76	24.82	24.59	25.5	0.0	
20	QPSK	1	104	24.65	24.80	24.62			
20	QPSK	50	0	23.70	23.54	23.38	24.5	1.0	
20	QPSK	50	28	24.60	24.79	24.47	25.5	0.0	
20	QPSK	50	55	23.90	23.65	23.40	24.5	1.0	
20	QPSK	100	0	23.71	23.72	23.53	24.5	1.0	
20	16QAM	1	1	23.55	23.68	23.69	24.5	1.0	
20	64QAM	1	1	22.24	22.24	21.91	23.0	2.5	
20	256QAM	1	1	20.11	20.18	20.14	21.0	4.5	
Channel				164300	166900	168300	Tune-	MPR	
Frequency (MHz)				821.5	831.5	841.5	up limit	(dB)	
15	QPSK	1	1	24.63	24.77	24.62	25.5	0.0	
Channel				163800	166900	169800	Tune-	MPR	
Frequency (MHz)				819	831.5	844	up limit	(dB)	
10	QPSK	1	1	24.70	24.83	24.69	25.5	0.0	
Channel				163300	165100	165300	Tune-	MPR	
Frequency (MHz)				816.5	831.5	846.5	up limit	(dB)	
5	QPSK	1	1	24.82	24.78	24.78	25.5	0.0	

FR1 n7 Ant3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				565000	507000	569000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	24.21	24.29	24.39			
50	P12 BPSK	1	135	23.91	23.93	23.88	25.0	0.0	
50	P12 BPSK	1	259	24.06	24.07	24.01			
50	P12 BPSK	135	0	23.54	23.64	23.56	24.5	0.5	
50	P12 BPSK	135	68	23.96	24.11	23.80	25.0	0.0	
50	P12 BPSK	135	135	23.12	23.40	23.15			
50	P12 BPSK	270	0	23.50	23.66	23.53	24.5	0.5	
50	QPSK	1	1	24.24	24.37	24.31			
50	QPSK	1	135	24.08	24.29	24.24	25.0	0.0	
50	QPSK	1	259	24.03	24.35	24.13			
50	QPSK	135	0	23.05	23.18	23.14	24.0	1.0	
50	QPSK	135	68	24.08	24.14	24.09	25.0	0.0	
50	QPSK	135	135	22.64	22.81	22.76	24.0	1.0	
50	QPSK	270	0	22.85	23.07	23.02			
50	16QAM	1	1	23.00	23.16	23.06	24.0	1.0	
50	64QAM	1	1	21.36	21.59	21.51	22.5	2.5	
50	256QAM	1	1	19.60	19.70	19.81	20.5	4.5	
Channel				504000	507000	510000	Tune-	MPR	
Frequency (MHz)				2520	2535	2550	up limit	(dB)	
40	QPSK	1	1	24.11	24.17	24.23	25.0	0.0	
Channel				503500	507000	510500	Tune-	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit	(dB)	
35	QPSK	1	1	24.17	24.36	24.13	25.0	0.0	
Channel				503000	507000	511000	Tune-	MPR	
Frequency (MHz)				2515	2535	2555	up limit	(dB)	
30	QPSK	1	1	24.15	24.22	24.28	25.0	0.0	
Channel				502500	507000	511500	Tune-	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit	(dB)	
25	QPSK	1	1	24.23	24.31	24.39	25.0	0.0	
Channel				502000	507000	512000	Tune-	MPR	
Frequency (MHz)				2510	2535	2560	up limit	(dB)	
20	QPSK	1	1	24.22	24.30	24.23	25.0	0.0	
Channel				501500	507000	512500	Tune-	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit	(dB)	
15	QPSK	1	1	24.25	24.29	24.31	25.0	0.0	
Channel				501000	507000	513000	Tune-	MPR	
Frequency (MHz)				2505	2535	2565	up limit	(dB)	
10	QPSK	1	1	24.15	24.24	24.29	25.0	0.0	
Channel				500500	507000	513500	Tune-	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit	(dB)	
5	QPSK	1	1	24.19	24.16	24.30	25.0	0.0	

FR1 n66 Ant3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P12 BPSK	1	1	23.87	24.03	23.93			
45	P12 BPSK	1	120	23.84	23.92	23.80	25.0	0.0	
45	P12 BPSK	1	240	23.93	24.06	23.85			
45	P12 BPSK	120	0	23.33	23.54	23.44	24.5	0.5	
45	P12 BPSK	120	60	23.86	23.91	23.70	25.0	0.0	
45	P12 BPSK	120	120	23.01	23.19	23.08			
45	P12 BPSK	240	0	23.29	23.45	23.30	24.5	0.5	
45	QPSK	1	1	24.14	24.19	24.16			
45	QPSK	1	120	23.97	24.16	24.15	25.0	0.0	
45	QPSK	1	240	23.98	24.14	23.98			
45	QPSK	120	0	22.84	23.03	22.96	24.0	1.0	
45	QPSK	120	60	23.86	23.93	23.86	25.0	0.0	
45	QPSK	120	120	22.90	22.71	22.97	24.0	1.0	
45	QPSK	240	0	22.75	22.87	22.85			
45	16QAM	1	1	22.80	22.95	22.95	24.0	1.0	
45	64QAM	1	1	21.35	21.43	21.30	22.5	2.5	
45	256QAM	1	1	19.51	19.60	19.59	20.5	4.5	
Channel				346000	349000	352000	Tune-	MPR	
Frequency (MHz)				1730	1745	1760	up limit	(dB)	
40	QPSK	1	1	24.00	23.99	24.04	25.0	0.0	
Channel				345500	349000	352500	Tune-	MPR	
Frequency (MHz)				1727.5	1745	1762.5	up limit	(dB)	
35	QPSK	1	1	23.97	24.10	24.01	25.0	0.0	
Channel				345000	349000	353000	Tune-	MPR	
Frequency (MHz)				1725	1745	1765	up limit	(dB)	
30	QPSK	1	1	24.09	24.13	24.18	25.0	0.0	
Channel				344500	349000	353500	Tune-	MPR	
Frequency (MHz)				1722.5	1745	1767.5	up limit	(dB)	
25	QPSK	1	1	23.98	24.10	24.16	25.0	0.0	
Channel				344000	349000	354000	Tune-	MPR	
Frequency (MHz)				1720	1745	1770	up limit	(dB)	
20	QPSK	1	1	24.02	24.00	24.11	25.0	0.0	
Channel				343500	349000	354500	Tune-	MPR	
Frequency (MHz)				1717.5	1745	1772.5	up limit	(dB)	
15	QPSK	1	1	24.13	24.05	24.17	25.0	0.0	
Channel				343000	349000	355000	Tune-	MPR	
Frequency (MHz)				1715	1745	1775	up limit	(dB)	
10	QPSK	1	1	23.99	24.12	24.12	25.0	0.0	
Channel				342500	349000	355500	Tune-	MPR	
Frequency (MHz)				1712.5	1745	1777.5	up limit	(dB)	
5	QPSK	1	1	23.95	24.04	24.17	25.0	0.0	

FR1 n38 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	PI/2 BPSK	1	1	23.89	23.97	23.88	25.0	0.0	
40	PI/2 BPSK	1	53	23.64	23.71	23.63			
40	PI/2 BPSK	1	104	23.46	23.66	23.54			
40	PI/2 BPSK	50	0	22.90	23.11	22.96	24.5	0.5	
40	PI/2 BPSK	50	28	23.18	23.18	23.16	25.0	0.0	
40	PI/2 BPSK	50	56	23.02	23.18	23.15	24.5	0.5	
40	PI/2 BPSK	100	0	23.31	23.36	23.38			
40	QPSK	1	1	23.95	24.02	23.94			
40	QPSK	1	53	23.67	23.76	23.74	25.0	0.0	
40	QPSK	1	104	23.54	23.69	23.60	25.0	0.0	
40	QPSK	50	0	23.09	23.20	23.15			
40	QPSK	50	28	23.67	23.70	23.53			
40	QPSK	50	56	23.04	23.26	23.32	24.0	1.0	
40	QPSK	100	0	22.64	22.75	22.72			
40	16QAM	1	1	22.72	22.94	22.77	24.0	1.0	
40	64QAM	1	1	21.42	21.41	21.32	22.5	2.5	
40	256QAM	1	1	19.14	19.32	19.26	20.5	4.5	
Channel				517000	519000	521000	Tune-	MPR	
Frequency (MHz)				2595	2595	2605	up limit	(dB)	
30	QPSK	1	1	23.63	23.67	23.94	25.0	0.0	
Channel				518000	519000	521000	Tune-	MPR	
Frequency (MHz)				2592.5	2595	2607.5	up limit	(dB)	
25	QPSK	1	1	23.52	23.91	23.95	25.0	0.0	
Channel				519000	52000	522000	Tune-	MPR	
Frequency (MHz)				2590	2595	2610	up limit	(dB)	
20	QPSK	1	1	23.83	23.93	23.88	25.0	0.0	
Channel				519000	52000	523000	Tune-	MPR	
Frequency (MHz)				2597.5	2595	2612.5	up limit	(dB)	
15	QPSK	1	1	23.80	23.84	23.85	25.0	0.0	
Channel				519000	519000	523000	Tune-	MPR	
Frequency (MHz)				2595	2595	2615	up limit	(dB)	
10	QPSK	1	1	23.96	23.82	23.75	25.0	0.0	

FR1 n41 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	518996	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	24.08	24.17	24.15	25.0	0.0	
100	PI/2 BPSK	1	137	24.06	24.16	24.19			
100	PI/2 BPSK	1	271	24.07	24.17	24.18			
100	PI/2 BPSK	135	0	23.63	23.86	23.70	24.5	0.5	
100	PI/2 BPSK	135	69	24.12	24.17	24.18	25.0	0.0	
100	PI/2 BPSK	135	138	23.65	23.82	23.71	24.5	0.5	
100	PI/2 BPSK	270	0	23.73	23.79	23.79			
100	QPSK	1	1	24.17	24.32	24.25			
100	QPSK	1	137	24.08	24.21	24.12	25.0	0.0	
100	QPSK	1	271	24.08	24.18	24.10			
100	QPSK	135	0	24.11	24.27	24.16			
100	QPSK	135	69	24.03	24.26	24.13	25.0	0.0	
100	QPSK	135	138	24.12	24.26	24.16			
100	QPSK	270	0	23.22	23.35	23.31	24.0	1.0	
100	16QAM	1	1	23.15	23.33	23.27	24.0	1.0	
100	64QAM	1	1	21.67	21.67	21.71	22.5	2.5	
100	256QAM	1	1	19.77	19.87	19.77	20.5	4.5	
Channel				506000	518996	528996	Tune-	MPR	
Frequency (MHz)				2541	2592.99	2644.98	up limit	(dB)	
90	QPSK	1	1	24.09	24.22	24.17	25.0	0.0	
Channel				507000	518996	529996	Tune-	MPR	
Frequency (MHz)				2536.02	2592.99	2648.98	up limit	(dB)	
80	QPSK	1	1	24.08	24.26	24.20	25.0	0.0	
Channel				508000	518996	531000	Tune-	MPR	
Frequency (MHz)				2531.01	2592.99	2655	up limit	(dB)	
70	QPSK	1	1	24.02	24.20	24.19	25.0	0.0	
Channel				509000	518996	531996	Tune-	MPR	
Frequency (MHz)				2535	2592.99	2655.98	up limit	(dB)	
60	QPSK	1	1	24.03	24.25	24.20	25.0	0.0	
Channel				504000	518996	532996	Tune-	MPR	
Frequency (MHz)				2524.00	2592.99	2644.99	up limit	(dB)	
50	QPSK	1	1	24.03	24.23	24.11	25.0	0.0	
Channel				503000	518996	533496	Tune-	MPR	
Frequency (MHz)				2511.5	2592.99	2657.48	up limit	(dB)	
45	QPSK	1	1	24.05	24.22	24.15	25.0	0.0	
Channel				503000	518996	534000	Tune-	MPR	
Frequency (MHz)				2516.01	2592.99	2670	up limit	(dB)	
40	QPSK	1	1	24.02	24.20	24.16	25.0	0.0	
Channel				502000	518996	534496	Tune-	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48	up limit	(dB)	
35	QPSK	1	1	24.05	24.19	24.19	25.0	0.0	
Channel				502000	518996	534996	Tune-	MPR	
Frequency (MHz)				2511	2592.99	2674.98	up limit	(dB)	
30	QPSK	1	1	24.03	24.20	24.15	25.0	0.0	
Channel				501000	518996	535500	Tune-	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	up limit	(dB)	
25	QPSK	1	1	24.09	24.27	24.17	25.0	0.0	
Channel				501000	518996	535996	Tune-	MPR	
Frequency (MHz)				2506.00	2592.99	2679.99	up limit	(dB)	
20	QPSK	1	1	24.05	24.24	24.14	25.0	0.0	
Channel				500700	518996	536496	Tune-	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	up limit	(dB)	
15	QPSK	1	1	24.02	24.23	24.14	25.0	0.0	
Channel				500000	518996	537000	Tune-	MPR	
Frequency (MHz)				2501.01	2592.99	2685	up limit	(dB)	
10	QPSK	1	1	24.12	24.19	24.16	25.0	0.0	

FR1 n66 Ant4 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)
Channel				346000	346000	351000	25.0
Frequency (MHz)				1732.5	1745	1757.5	
45	PI2 BPSK	1	1	24.44	24.27	24.32	25.0
45	PI2 BPSK	1	120	24.20	24.23	24.27	
45	PI2 BPSK	1	240	24.21	24.19	24.33	0.0
45	PI2 BPSK	120	0	23.61	23.66	23.77	24.5
45	PI2 BPSK	120	60	24.06	24.12	24.15	25.0
45	PI2 BPSK	120	120	23.53	23.50	23.61	24.5
45	PI2 BPSK	240	0	23.78	23.60	23.78	0.0
45	QPSK	1	1	24.48	24.51	24.49	25.0
45	QPSK	1	120	24.23	24.27	24.34	
45	QPSK	1	240	24.29	24.15	24.35	24.0
45	QPSK	120	0	23.21	23.38	23.36	25.0
45	QPSK	120	60	24.12	24.13	24.01	24.0
45	QPSK	120	120	23.09	23.56	23.11	24.0
45	QPSK	240	0	23.11	23.25	23.34	24.0
45	16QAM	1	1	23.29	23.44	23.52	22.5
45	16QAM	1	1	21.59	21.63	21.77	22.5
45	256QAM	1	1	19.67	19.79	19.97	20.5
Channel				346000	349000	352000	up limit
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	24.47	24.51	24.48	25.0
Channel				345500	350000	352500	up limit
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	24.44	24.39	24.48	25.0
Channel				345000	349000	353000	up limit
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	24.37	24.29	24.40	25.0
Channel				344000	349000	353500	up limit
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	24.38	24.45	24.46	25.0
Channel				344000	349000	354000	up limit
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	24.37	24.41	24.37	25.0
Channel				343500	349000	354500	up limit
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	24.48	24.43	24.44	25.0
Channel				343000	349000	355000	up limit
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	24.37	24.48	24.41	25.0
Channel				342500	349000	355500	up limit
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	24.43	24.35	24.37	25.0

FR1 n38 Ant4 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	25.06	25.10	25.26	
40	P12 BPSK	1	83	24.89	24.94	24.93	25.7 0.0
40	P12 BPSK	1	104	24.87	24.93	24.93	
40	P12 BPSK	50	0	24.57	24.53	24.67	25.2 0.5
40	P12 BPSK	50	28	24.58	25.07	25.08	25.7 0.0
40	P12 BPSK	50	55	24.49	24.60	24.49	
40	P12 BPSK	100	0	24.50	24.48	24.53	25.2 0.5
40	QPSK	1	1	25.29	25.31	25.30	
40	QPSK	1	53	24.54	24.88	24.89	25.7 0.0
40	QPSK	1	104	25.01	24.87	24.85	
40	QPSK	50	0	24.11	23.98	24.22	
40	QPSK	50	28	25.00	25.04	25.02	25.7 0.0
40	QPSK	50	55	24.12	24.09	24.06	
40	QPSK	100	0	24.07	24.16	23.99	24.7 1.0
40	16QAM	1	1	24.09	24.06	24.13	24.7 1.0
40	64QAM	1	1	22.45	22.49	22.59	23.2 2.5
40	256QAM	1	1	20.43	20.57	20.49	21.2 4.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.12	25.30	25.12	25.7 0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	25.27	25.29	25.13	25.7 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.25	25.10	25.12	25.7 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	25.29	25.27	25.19	25.7 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.12	25.26	25.18	25.7 0.0

PC3 FR1 n41 Ant4 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	25.14	25.33	25.17	
100	P12 BPSK	1	137	25.24	25.36	25.23	25.7 0.0
100	P12 BPSK	1	271	25.13	25.38	25.22	
100	P12 BPSK	135	0	24.81	24.90	24.85	25.2 0.5
100	P12 BPSK	135	69	25.13	25.33	25.21	25.7 0.0
100	P12 BPSK	135	138	24.72	24.90	24.85	
100	P12 BPSK	270	0	24.77	24.90	24.88	25.2 0.5
100	QPSK	1	1	25.26	25.41	25.33	
100	QPSK	1	137	25.17	25.34	25.21	25.7 0.0
100	QPSK	1	271	25.10	25.34	25.28	
100	QPSK	135	0	25.19	25.36	25.18	
100	QPSK	135	69	25.20	25.37	25.28	25.7 0.0
100	QPSK	135	138	25.22	25.34	25.25	
100	QPSK	270	0	24.92	25.43	24.98	24.7 1.0
100	16QAM	1	1	24.31	24.44	24.34	24.7 1.0
100	64QAM	1	1	22.74	22.91	22.85	23.2 2.5
100	256QAM	1	1	20.70	20.94	20.77	21.2 4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	25.14	25.26	25.29	25.7 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.18	25.29	25.26	25.7 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.21	25.32	25.19	25.7 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.21	25.30	25.19	25.7 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.14	25.36	25.22	25.7 0.0
Channel							
Frequency (MHz)							
45	QPSK	1	1	25.22	25.30	25.31	25.7 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	25.10	25.37	25.25	25.7 0.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	25.20	25.33	25.22	25.7 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.14	25.27	25.17	25.7 0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	25.16	25.35	25.23	25.7 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.18	25.28	25.21	25.7 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	25.16	25.35	25.20	25.7 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.23	25.28	25.20	25.7 0.0

PC2 FR1 n41 Ant4 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	25.13	25.33	25.12	
100	P12 BPSK	1	137	25.19	25.36	25.24	27.0 0.0
100	P12 BPSK	1	271	25.17	25.38	25.20	
100	P12 BPSK	135	0	25.82	25.94	25.86	26.5 0.5
100	P12 BPSK	135	69	26.12	26.32	26.23	27.0 0.0
100	P12 BPSK	135	138	25.73	25.97	25.68	
100	P12 BPSK	270	0	25.79	25.84	25.85	26.5 0.5
100	QPSK	1	1	26.33	26.44	26.38	
100	QPSK	1	137	26.20	26.37	26.22	27.0 0.0
100	QPSK	1	271	26.23	26.38	26.21	
100	QPSK	135	0	26.14	26.31	26.22	
100	QPSK	135	69	26.20	26.37	26.29	27.0 0.0
100	QPSK	135	138	26.25	26.49	26.30	
100	QPSK	270	0	25.97	26.41	25.91	26.0 1.0
100	16QAM	1	1	25.93	25.41	25.40	26.0 1.0
100	64QAM	1	1	23.69	23.85	23.82	24.5 2.5
100	256QAM	1	1	21.83	21.99	21.82	22.5 4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	26.28	26.32	26.27	27.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	26.22	26.34	26.21	27.0 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	26.28	26.32	26.31	27.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	26.18	26.34	26.28	27.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	26.24	26.33	26.26	27.0 0.0
Channel							
Frequency (MHz)							
45	QPSK	1	1	26.24	26.35	26.24	27.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	26.19	26.30	26.27	27.0 0.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	26.23	26.33	26.34	27.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	26.29	26.30	26.23	27.0 0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	26.19	26.38	26.25	27.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	26.18	26.40	26.24	27.0 0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	26.26	26.37	26.26	27.0 0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	26.24	26.33	26.31	27.0 0.0

FR1 n48 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000	64166	64532			
Frequency (MHz)				3570	3624.99	3679.98			
40	P1/2 BPSK	1	1	23.43	23.59	23.54			
40	P1/2 BPSK	1	53	23.52	23.54	23.50	24.5	0.0	
40	P1/2 BPSK	1	104	23.46	23.50	23.46			
40	P1/2 BPSK	50	0	23.10	23.17	23.03	24.0	0.5	
40	P1/2 BPSK	50	28	23.47	23.64	23.81	24.5	0.0	
40	P1/2 BPSK	50	56	22.95	23.11	23.10			
40	P1/2 BPSK	100	0	23.13	23.12	23.11	24.0	0.5	
40	QPSK	1	1	23.61	23.65	23.63			
40	QPSK	1	53	23.60	23.62	23.49	24.5	0.0	
40	QPSK	1	104	23.42	23.47	23.48			
40	QPSK	50	0	22.52	22.85	22.85			
40	QPSK	50	28	23.47	23.56	23.48	24.5	0.0	
40	QPSK	50	56	22.58	22.58	22.50			
40	QPSK	100	0	22.48	22.65	22.50	23.5	1.0	
40	16QAM	1	1	22.41	22.57	22.45	23.5	1.0	
40	64QAM	1	1	20.95	21.05	21.08	22.0	2.5	
40	256QAM	1	1	19.11	19.11	18.30	20.0	4.5	
Channel				637668	641666	645666	Tune-	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99	up limit		
30	QPSK	1	1	23.62	23.56	23.47	24.5	0.0	
Channel				637334	641666	646000	Tune-	MPR	
Frequency (MHz)				3560.01	3624.99	3690	up limit		
20	QPSK	1	1	23.62	23.56	23.42	24.5	0.0	
Channel				635752	640249	646246	up limit		
Frequency (MHz)				3557.52	3602.49	3662.46	up limit		
15	QPSK	1	1	23.58	23.51	23.54	24.5	0.0	
Channel				637000	641666	646332	Tune-	MPR	
Frequency (MHz)				3565	3624.99	3684.98	up limit		
10	QPSK	1	1	23.57	23.45	23.43	24.5	0.0	

PC3 FR1 n77 Part0 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3760	3840	3930			
100	P1/2 BPSK	1	1	25.26	25.22	25.17			
100	P1/2 BPSK	1	137	24.86	24.98	25.03	25.7	0.0	
100	P1/2 BPSK	1	271	25.19	25.28	25.18			
100	P1/2 BPSK	135	0	25.25	25.17	25.15	25.7	0.0	
100	P1/2 BPSK	135	69	25.23	25.23	25.21	25.7	0.0	
100	P1/2 BPSK	135	138	25.15	25.21	25.02			
100	P1/2 BPSK	270	0	25.17	25.18	25.19	25.7	0.0	
100	QPSK	1	1	25.24	25.29	25.17			
100	QPSK	1	137	24.89	25.11	25.16	25.7	0.0	
100	QPSK	1	271	25.19	25.14	25.10			
100	QPSK	135	0	25.23	25.21	25.17			
100	QPSK	135	69	25.18	25.24	25.15	25.7	0.0	
100	QPSK	135	138	25.16	25.16	25.08			
100	QPSK	270	0	25.19	25.07	25.05	25.7	0.0	
100	16QAM	1	1	24.94	24.93	25.03	25.7	0.0	
100	64QAM	1	1	25.15	25.07	25.02	25.7	0.0	
100	256QAM	1	1	23.72	23.58	23.73	24.2	1.5	
Channel				646968	650000	652332	Tune-	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit		
90	QPSK	1	1	25.12	25.07	25.18	25.7	0.0	
Channel				649334	650000	652666	Tune-	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit		
80	QPSK	1	1	25.24	25.12	25.15	25.7	0.0	
Channel				649000	650000	653000	Tune-	MPR	
Frequency (MHz)				3735	3840	3945	up limit		
70	QPSK	1	1	25.08	25.09	25.07	25.7	0.0	
Channel				648334	650000	653666	Tune-	MPR	
Frequency (MHz)				3730.02	3840	3944.98	up limit		
60	QPSK	1	1	25.08	25.12	25.02	25.7	0.0	
Channel				648334	650000	653666	Tune-	MPR	
Frequency (MHz)				3725.01	3840	3944.99	up limit		
50	QPSK	1	1	25.10	25.10	25.21	25.7	0.0	
Channel				648000	650000	654000	Tune-	MPR	
Frequency (MHz)				3720	3840	3950	up limit		
40	QPSK	1	1	25.20	25.17	25.01	25.7	0.0	
Channel				647668	650000	654332	Tune-	MPR	
Frequency (MHz)				3715.02	3840.00	3954.98	up limit		
30	QPSK	1	1	25.12	25.22	25.04	25.7	0.0	
Channel				647500	650000	654500	Tune-	MPR	
Frequency (MHz)				3712.5	3840.00	3967.50	up limit		
25	QPSK	1	1	25.21	25.18	25.16	25.7	0.0	
Channel				647334	650000	654666	Tune-	MPR	
Frequency (MHz)				3710.01	3840	3969.99	up limit		
20	QPSK	1	1	25.17	25.21	24.99	25.7	0.0	
Channel				647168	650000	654832	Tune-	MPR	
Frequency (MHz)				3707.52	3840	3972.48	up limit		
15	QPSK	1	1	25.22	25.23	25.12	25.7	0.0	
Channel				647000	650000	655000	Tune-	MPR	
Frequency (MHz)				3705	3840	3975	up limit		
10	QPSK	1	1	25.16	25.18	25.16	25.7	0.0	

PC2 FR1 n77 Part0 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	P1/2 BPSK	1	1	28.12	28.12	28.20			
100	P1/2 BPSK	1	137	28.06	28.16	28.09	29.0	0.0	
100	P1/2 BPSK	1	271	28.02	27.98	28.10			
100	P1/2 BPSK	135	0	27.79	27.89	27.89	28.5	0.5	
100	P1/2 BPSK	135	69	28.05	28.07	28.24	29.0	0.0	
100	P1/2 BPSK	135	138	27.59	27.79	27.62			
100	P1/2 BPSK	270	0	27.74	27.74	27.83	28.5	0.5	
100	QPSK	1	1	28.14	28.27	28.23			
100	QPSK	1	137	28.06	27.98	28.06	29.0	0.0	
100	QPSK	1	271	28.24	28.25	28.15			
100	QPSK	135	0	27.24	27.24	27.38			
100	QPSK	135	69	28.05	28.18	28.07	29.0	0.0	
100	QPSK	135	138	27.21	27.21	27.25			
100	QPSK	270	0	27.28	27.31	27.30	28.0	1.0	
100	16QAM	1	1	27.05	27.03	27.08	28.0	1.0	
100	64QAM	1	1	25.45	25.64	25.44	26.5	2.5	
100	256QAM	1	1	23.24	23.28	23.24	24.5	4.5	
Channel				646668	650000	652332	Tune-	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit		
90	QPSK	1	1	28.04	28.18	28.09	29.0	0.0	
Channel				649334	650000	652666	Tune-	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit		
80	QPSK	1	1	28.06	28.17	28.19	29.0	0.0	
Channel				649000	650000	653000	Tune-	MPR	
Frequency (MHz)				3735	3840	3945	up limit		
70	QPSK	1	1	28.08	28.05	28.18	29.0	0.0	
Channel				648668	650000	653332	Tune-	MPR	
Frequency (MHz)				3730.02	3840	3944.98	up limit		
60	QPSK	1	1	27.97	28.14	28.06	29.0	0.0	
Channel				648334	650000	653666	Tune-	MPR	
Frequency (MHz)				3725	3840	3950	up limit		
50	QPSK	1	1	27.93	28.14	28.02	29.0	0.0	
Channel				648000	650000	654000	Tune-	MPR	
Frequency (MHz)				3720	3840	3950	up limit		
40	QPSK	1	1	27.83	28.12	28.01	29.0	0.0	
Channel				647668	650000	654332	Tune-	MPR	
Frequency (MHz)				3715.02	3840	3954.98	up limit		
30	QPSK	1	1	27.85	28.19	28.03	29.0	0.0	
Channel				647334	650000	654666	Tune-	MPR	
Frequency (MHz)				3710.01	3840	3957.50	up limit		
25	QPSK	1	1	27.83	28.08	28.02	29.0	0.0	
Channel				647000	650000	654999	Tune-	MPR	
Frequency (MHz)				3710.01	3840	3959.99	up limit		
20	QPSK	1	1	27.88	28.14	28.03	29.0	0.0	
Channel				646768	650000	655332	Tune-	MPR	
Frequency (MHz)				3705	3840	3972.45	up limit		
15	QPSK	1	1	27.80	28.23	28.11	29.0	0.0	
Channel				646400	650000	655500	Tune-	MPR	
Frequency (MHz)				3700	3840	3975	up limit		
10	QPSK	1	1	27.83	28.09	28.11	29.0	0.0	

PC3 FR1 n77 PartQ Ant4 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dB)	MPR (dB)			
Channel											
Frequency (MHz)				833332							
100	Pt2 BPSK	1	1	25.30	25.32						
100	Pt2 BPSK	1	137	25.32	25.32						
100	Pt2 BPSK	1	271	25.32	25.32						
100	Pt2 BPSK	135	0	25.31	25.31	25.7	0.0				
100	Pt2 BPSK	135	69	25.36	25.36	25.7	0.0				
100	Pt2 BPSK	135	135	25.33	25.33	25.7	0.0				
100	Pt2 BPSK	209	0	25.32	25.32	25.7	0.0				
100	QPSK	1	1	25.37	25.37	25.7	0.0				
100	QPSK	1	137	25.24	25.24						
100	QPSK	1	271	25.32	25.32	25.7	0.0				
100	QPSK	135	0	25.32	25.32						
100	QPSK	135	69	25.31	25.31	25.7	0.0				
100	QPSK	135	135	25.27	25.27	25.7	0.0				
100	QPSK	209	0	25.30	25.30	25.7	0.0				
100	16QAM	1	1	25.45	25.45						
100	64QAM	1	1	25.40	25.40	25.7	0.0				
100	256QAM	1	1	23.95	23.95	24.2	1.5				
Channel											
Frequency (MHz)				833000	833332	833666					
50	QPSK	1	1	3495	3499.96	3504.96	up limit				
Frequency (MHz)				833332	833332	833332	25.7				
Frequency (MHz)				3490.02	3499.96	3510	up limit				
80	QPSK	1	1	3583.51	3541	25.25	25.7				
Frequency (MHz)				833332	833332	833332	25.7				
Frequency (MHz)				3495.91	3499.96	3514.96	up limit				
70	QPSK	1	1	25.36	25.47	25.33	25.7				
Channel											
Frequency (MHz)				832000	833332	834666	Tune- MPR				
Frequency (MHz)				3490	3499.96	3510.96	up limit				
80	QPSK	1	1	25.37	25.28	25.34	25.7				
Frequency (MHz)				831668	833332	835000	Tune- MPR				
Frequency (MHz)				3482.02	3499.96	3510	up limit				
50	QPSK	1	1	25.27	25.49	25.42	25.7				
Frequency (MHz)				831934	833332	835332	Tune- MPR				
Frequency (MHz)				3470.01	3499.96	3520.96	up limit				
40	QPSK	1	1	25.37	25.43	25.30	25.7				
Channel											
Frequency (MHz)				831000	833332	835666	Tune- MPR				
Frequency (MHz)				3485	3499.96	3514.96	up limit				
30	QPSK	1	1	25.35	25.46	25.19	25.7				
Frequency (MHz)				832634	833332	835232	Tune- MPR				
Frequency (MHz)				3462.51	3499.96	3537.48	up limit				
25	QPSK	1	1	25.21	25.36	25.43	25.7				
Channel											
Frequency (MHz)				832000	833332	834666	Tune- MPR				
Frequency (MHz)				3460.02	3499.96	3505	up limit				
20	QPSK	1	1	25.23	25.39	25.28	25.7				
Frequency (MHz)				832000	833332	834666	Tune- MPR				
Frequency (MHz)				3457.5	3499.96	3502.49	up limit				
15	QPSK	1	1	25.23	25.43	25.29	25.7				
Channel				830334	833332	836332	Tune- MPR				
Frequency (MHz)				3455.01	3499.96	3504.96	up limit				
10	QPSK	1	1	25.24	25.38	25.30	25.7				

PC2 FR1 n77 PartQ Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
100	Channel	Frequency (MHz)		33500	33500				
	100	P12 BPSK	1	1	28.43				
	100	P12 BPSK	1	137	28.3		29.0	0.0	
	100	QPSK	1	271	28.13				
	100	P12 BPSK	135	0	27.81		28.5	0.5	
	100	P12 BPSK	135	69	28.0		29.0	0.0	
	100	P12 BPSK	136	138	27.68				
	100	P12 BPSK	270	0	27.76		28.5	0.5	
	100	QPSK	1	1	27.52				
	100	QPSK	1	137	28.20				
50	Channel	Frequency (MHz)		33300	33332	33366			
	50	QPSK	1	1	28.35	28.33	28.41	29.0	0.0
	50	QPSK	1	137	28.43	28.41	28.45	28.5	0.0
	50	QPSK	135	0	27.29				
	50	QPSK	135	69	27.14		29.0	0.0	
	50	QPSK	135	138	27.45				
	50	QPSK	270	0	27.35		28.0	1.0	
	50	16QAM	1	1	27.41		28.0	1.0	
	50	16QAM	1	1	25.56		28.5	2.5	
	50	256QAM	1	1	23.45		24.5	4.5	
80	Channel	Frequency (MHz)		33300	33332	33366			
	80	P12 BPSK	1	1	3465	3465	3504	29.4	0.0
	80	QPSK	1	1	28.35	28.33	28.41	29.0	0.0
	80	QPSK	1	137	28.43	28.41	28.45	28.5	0.0
	80	QPSK	1	1	3460.02	3469.96	3510	29.0	0.0
	80	QPSK	1	1	28.15	28.35	28.38	29.0	0.0
	80	QPSK	1	137	28.43	28.41	28.45	28.5	0.0
	80	QPSK	135	0	3463.94	3463.94	3478.98	29.0	0.0
	80	QPSK	135	69	3465.01	3465.01	3475.04	29.0	0.0
	80	QPSK	1	1	28.37	28.12	28.34	29.0	0.0
70	Channel	Frequency (MHz)		33200	33332	33466			
	70	P12 BPSK	1	1	3465	3465	3498	29.0	0.0
	70	P12 BPSK	1	1	28.30	28.21	28.19	29.0	0.0
	70	P12 BPSK	1	1	31668	33332	63000	29.0	MPR
	70	QPSK	1	1	3472.02	3469.96	3492	29.0	0.0
	70	QPSK	1	1	28.14	28.11	28.26	29.0	0.0
	70	QPSK	135	0	3463.94	3463.94	3478.98	29.0	0.0
	70	QPSK	135	69	3465.01	3465.01	3475.04	29.0	0.0
	70	QPSK	1	1	3470.01	3470.01	3520.16	29.0	0.0
	70	QPSK	1	1	28.23	28.13	28.24	29.0	0.0
60	Channel	Frequency (MHz)		33100	33332	33566			
	60	P12 BPSK	1	1	3465	3465	3504	29.4	0.0
	60	QPSK	1	1	28.22	28.16	28.23	29.0	0.0
	60	QPSK	1	1	3472.02	3469.96	3492	29.0	0.0
	60	QPSK	1	1	28.14	28.11	28.26	29.0	0.0
	60	QPSK	135	0	3463.94	3463.94	3478.98	29.0	0.0
	60	QPSK	135	69	3465.01	3465.01	3475.04	29.0	0.0
	60	QPSK	1	1	3470.01	3470.01	3520.16	29.0	0.0
50	Channel	Frequency (MHz)		33000	33332	33566			
	50	P12 BPSK	1	1	3465	3465	3504	29.4	0.0
	50	QPSK	1	1	28.22	28.16	28.23	29.0	0.0
	50	QPSK	1	1	3472.02	3469.96	3492	29.0	0.0
	50	QPSK	1	1	28.14	28.11	28.26	29.0	0.0
	50	QPSK	135	0	3463.94	3463.94	3478.98	29.0	0.0
	50	QPSK	135	69	3465.01	3465.01	3475.04	29.0	0.0
	50	QPSK	1	1	3470.01	3470.01	3520.16	29.0	0.0
40	Channel	Frequency (MHz)		32900	33332	33566			
	40	P12 BPSK	1	1	3465	3465	3504	29.4	0.0
	40	QPSK	1	1	28.19	28.35	28.20	29.0	0.0
	40	QPSK	1	1	3465	3465	3504	29.4	0.0
	40	QPSK	1	1	28.28	28.14	28.41	29.0	0.0
	40	QPSK	1	1	3465	3465	3504	29.4	0.0
	40	QPSK	1	1	28.17	28.31	28.32	29.0	0.0
	40	QPSK	1	1	3465	3465	3504	29.4	0.0

PC3 FR1 n78 Part0 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power/Middle Ch./Freq.	Power/High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
100	Channel	Frequency (MHz)		5000000		3750			
		Plz BPSK	1	1	25.20				
		Plz BPSK	1	137	25.20				
		Plz BPSK	1	271	25.19		25.7	0.0	
		Plz BPSK	135	0	25.23		25.7	0.0	
		Plz BPSK	135	69	25.23		25.7	0.0	
		Plz BPSK	135	138	25.29		25.7	0.0	
		Plz BPSK	270	0	25.24		25.7	0.0	
		QPSK	1	1	25.24				
		QPSK	1	137	24.89		25.7	0.0	
100	Channel	Frequency (MHz)		5000000		3750			
		Plz BPSK	1	1	25.04				
		Plz BPSK	135	0	25.18		25.7	0.0	
		QPSK	135	69	25.21		25.7	0.0	
		QPSK	135	138	25.21		25.7	0.0	
		QPSK	270	0	25.08		25.7	0.0	
	Channel	Frequency (MHz)		5000000		500332			
		Plz BPSK	1	1	24.85		25.7	0.0	
		Plz BPSK	135	0	24.90		25.7	0.0	
		QPSK	135	69	25.00		25.7	0.0	
		QPSK	135	138	25.00		25.7	0.0	
50	Channel	Frequency (MHz)		3745.02		3750	3764.98	up limit (dB)	
		QPSK	1	1	25.05	25.05	25.29	25.7	0.0
		QPSK	1	137	25.00	25.00	25.29	25.7	0.0
		QPSK	135	0	25.00	3750	3759.99	up limit (dB)	
		QPSK	135	69	25.00	3750	3759.99	up limit (dB)	
	Channel	Frequency (MHz)		5000000		500332			
		Plz BPSK	1	1	25.05	25.05	25.0	25.7	0.0
		Plz BPSK	1	137	25.00	25.00	25.29	25.7	0.0
		QPSK	135	0	25.04	25.14	25.06	25.7	0.0
		QPSK	135	69	25.06	25.00	25.06	25.7	0.0
70	Channel	Frequency (MHz)		3745.02		3750	3764.98	up limit (dB)	
		QPSK	1	1	25.04	25.14	25.06	25.7	0.0
		QPSK	1	137	25.00	25.00	25.29	25.7	0.0
		QPSK	135	0	25.04	25.14	25.06	25.7	0.0
		QPSK	135	69	25.06	25.00	25.06	25.7	0.0
	Channel	Frequency (MHz)		5000000		500332			
		Plz BPSK	1	1	25.04	25.14	25.06	25.7	0.0
		Plz BPSK	1	137	25.00	25.00	25.29	25.7	0.0
		QPSK	135	0	25.04	25.14	25.06	25.7	0.0
		QPSK	135	69	25.06	25.00	25.06	25.7	0.0
40	Channel	Frequency (MHz)		3745.02		3750	3764.98	up limit (dB)	
		QPSK	1	1	24.83	25.04	25.07	25.7	0.0
		QPSK	1	137	24.83	25.00	25.07	25.7	0.0

PC2 FR1 n78 PartO Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P1/2 BPSK	1	1		28.05				
100	P1/2 BPSK	1	137		28.22		29.0	0.0	
100	P1/2 BPSK	1	271		28.16				
100	P1/2 BPSK	135	0		27.99		28.5	0.5	
100	P1/2 BPSK	135	69		28.24		29.0	0.0	
100	P1/2 BPSK	135	138		27.67		28.5	0.5	
100	P1/2 BPSK	270	0		27.70				
100	QPSK	1	1		28.28				
100	QPSK	1	137		28.15		29.0	0.0	
100	QPSK	1	271		28.17				
100	QPSK	135	0		27.95				
100	QPSK	135	69		28.24		29.0	0.0	
100	QPSK	135	138		27.30				
100	QPSK	270	0		27.12		28.0	1.0	
100	16QAM	1	1		27.11		28.0	1.0	
100	64QAM	1	1		25.11		26.5	2.5	
100	256QAM	1	1		23.05		24.5	4.5	
Channel				649668	650000	650332	up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit (dB)		
90	QPSK	1	1		28.14	28.11	28.07	29.0	0.0
Channel				649334	650000	650666	up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	up limit (dB)		
80	QPSK	1	1		28.13	27.97	27.89	29.0	0.0
Channel				649003	650000	651000	up limit (dB)	MPR	
Frequency (MHz)				3735	3750	3765	up limit (dB)		
70	QPSK	1	1		28.00	27.94	27.91	29.0	0.0
Channel				648668	650000	651332	up limit (dB)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	up limit (dB)		
60	QPSK	1	1		28.05	28.01	27.99	29.0	0.0
Channel				648334	650000	651666	up limit (dB)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	up limit (dB)		
50	QPSK	1	1		28.12	28.04	28.01	29.0	0.0
Channel				648000	650000	652000	up limit (dB)	MPR	
Frequency (MHz)				3720.01	3750	3780.00	up limit (dB)		
40	QPSK	1	1		28.01	28.04	28.09	29.0	0.0
Channel				647668	650000	652332	up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	up limit (dB)		
30	QPSK	1	1		28.07	27.95	27.86	29.0	0.0
Channel				647330	650000	652660	up limit (dB)	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	up limit (dB)		
25	QPSK	1	1		28.08	27.92	27.88	29.0	0.0
Channel				647004	650000	652996	up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	up limit (dB)		
20	QPSK	1	1		28.06	28.01	28.05	29.0	0.0
Channel				647168	650000	653132	up limit (dB)	MPR	
Frequency (MHz)				3707.52	3750	3792.48	up limit (dB)		
15	QPSK	1	1		28.05	27.98	27.87	29.0	0.0
Channel				647000	650000	653000	up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	up limit (dB)		
10	QPSK	1	1		27.95	28.07	28.01	29.0	0.0

PC3 FR1 n78 PartQ Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		25.28				
100	P1/2 BPSK	1	137		25.03		25.7	0.0	
100	P1/2 BPSK	1	271		25.15				
100	P1/2 BPSK	135	0		25.14		25.7	0.0	
100	P1/2 BPSK	135	69		25.01		25.7	0.0	
100	P1/2 BPSK	135	138		24.98		25.7	0.0	
100	P1/2 BPSK	270	0		25.19				
100	QPSK	1	1		25.41				
100	QPSK	1	137		25.12		25.7	0.0	
100	QPSK	1	271		25.16				
100	QPSK	135	0		25.22				
100	QPSK	135	69		25.27		25.7	0.0	
100	QPSK	135	138		24.97				
100	QPSK	270	0		25.04		25.7	0.0	
100	16QAM	1	1		25.35		25.7	0.0	
100	64QAM	1	1		25.35		25.7	0.0	
100	256QAM	1	1		23.80		24.2	1.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1		25.19	25.24	25.29	29.0	0.0
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1		25.17	25.19	25.21	29.0	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1		25.11	25.07	25.31	29.0	0.0
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480.02	3499.98	3519.99	up limit		
60	QPSK	1	1		25.01	25.14	25.22	29.0	0.0
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.01	3499.98	3524.99	up limit		
50	QPSK	1	1		25.14	25.20	25.24	29.0	0.0
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	up limit		
40	QPSK	1	1		24.97	25.18	25.30	29.0	0.0
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit		
30	QPSK	1	1		25.11	25.03	25.22	29.0	0.0
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.01	3499.98	3537.48	up limit		
25	QPSK	1	1		24.98	25.23	25.24	29.0	0.0
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		
20	QPSK	1	1		25.05	25.22	25.25	29.0	0.0
Channel				630000	633332	636666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3450.02	3499.98	3549.99	up limit		
15	QPSK	1	1		25.19	25.04	25.28	29.0	0.0
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		
10	QPSK	1	1		25.20	25.21	25.28	29.0	0.0

PC2 FR1 n78 PartQ Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		28.30				
100	P1/2 BPSK	1	137		28.30		29.0	0.0	
100	P1/2 BPSK	1	271		28.17				
100	P1/2 BPSK	135	0		27.70		28.5	0.5	
100	P1/2 BPSK	135	69		28.19		29.0	0.0	
100	P1/2 BPSK	135	138		27.60		28.5	0.5	
100	P1/2 BPSK	270	0		27.75				
100	QPSK	1	1		28.44				
100	QPSK	1	137		28.25		29.0	0.0	
100	QPSK	1	271		28.19				
100	QPSK	135	0		27.31				
100	QPSK	135	69		28.23		29.0	0.0	
100	QPSK	135	138		27.24				
100	QPSK	270	0		27.25		28.0	1.0	
100	16QAM	1	1		27.35		28.0	1.0	
100	64QAM	1	1		25.72		26.5	2.5	
100	256QAM	1	1		23.67		24.5	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1		28.25	28.29	28.27	29.0	0.0
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1		28.08	28.24	28.22	29.0	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.04	3495.00	3515.00	up limit		
70	QPSK	1	1		28.15	28.07	28.23	29.0	0.0
Channel				631998	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit		
60	QPSK	1	1		28.12	28.12	28.17	29.0	0.0
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	up limit		
50	QPSK	1	1		28.13	28.13	28.21	29.0	0.0
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.99	up limit		
40	QPSK	1	1		28.10	28.24	28.12	29.0	0.0
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465.00	3499.98	3534.99	up limit		
30	QPSK	1	1		28.10	28.29	28.22	29.0	0.0
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.00	3499.98	3539.99	up limit		
25	QPSK	1	1		28.13	28.30	28.09	29.0	0.0
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.00	3499.98	3549.99	up limit		
20	QPSK	1	1		28.12	28.25	28.07	29.0	0.0
Channel				630000	633332	636666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3450.00	3499.98	3554.99	up limit		
15	QPSK	1	1		28.04	28.27	28.23	29.0	0.0
Channel				629668	633332	636999	Tune-up limit (dB)	MPR	
Frequency (MHz)				3445.01	3499.98	3564.99	up limit		
10	QPSK	1	1		28.21	28.13	28.17	29.0	0.0

FR1 n2 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	23.71	23.70	23.87			
40	PI2 BPSK	1	108	23.86	23.80	23.89	24.8	0.0	
40	PI2 BPSK	1	214	24.15	24.09	24.12			
40	PI2 BPSK	108	0	23.30	23.49	23.39	24.3	0.5	
40	PI2 BPSK	108	54	23.62	24.09	23.62	24.8	0.0	
40	PI2 BPSK	108	108	23.67	23.57	23.59	24.3	0.5	
40	PI2 BPSK	216	0	23.56	23.59	23.52			
40	QPSK	1	1	24.11	24.17	24.13			
40	QPSK	1	108	23.85	23.99	23.89	24.8	0.0	
40	QPSK	1	214	23.91	24.01	23.97			
40	QPSK	108	0	22.94	22.87	22.95	23.8	1.0	
40	QPSK	108	54	23.89	24.01	23.92	24.8	0.0	
40	QPSK	108	108	23.17	23.02	23.06	23.8	1.0	
40	QPSK	216	0	22.89	23.01	22.95			
40	16QAM	1	1	22.96	22.88	22.96	23.8	1.0	
40	64QAM	1	1	21.34	21.34	21.43	22.3	2.5	
40	256QAM	1	1	19.36	19.32	19.17	20.3	4.5	
Channel									
Frequency (MHz)				373500	376000	378500	Tune-up limit	MPR	
35	QPSK	1	1	1867.5	1880	1862.5	up limit	(dB)	
Channel				23.99	23.96	24.10	24.9	0.0	
Frequency (MHz)				373000	376000	379000	Tune-up limit	MPR	
30	QPSK	1	1	1865	1880	1865	up limit	(dB)	
Channel				24.04	24.10	24.11	24.8	0.0	
Frequency (MHz)				1862.5	1880	1867.5	up limit	(dB)	
25	QPSK	1	1	23.98	23.99	24.10	24.8	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1860	up limit	(dB)	
20	QPSK	1	1	23.96	24.14	24.04	24.8	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1827.5	1880	1828.5	up limit	(dB)	
15	QPSK	1	1	23.89	24.05	24.09	24.8	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1826	1880	1826	up limit	(dB)	
10	QPSK	1	1	23.94	24.05	24.02	24.8	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1825.5	1880	1827.5	up limit	(dB)	
5	QPSK	1	1	23.91	24.07	23.99	24.8	0.0	

FR1 n7 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	505000	505000			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	25.01	25.02	24.99			
50	PI2 BPSK	1	135	24.39	24.55	24.45	25.6	0.0	
50	PI2 BPSK	1	268	24.88	25.03	24.84			
50	PI2 BPSK	135	0	24.49	24.46	24.38	25.1	0.5	
50	PI2 BPSK	135	68	25.01	24.91	25.01	25.6	0.0	
50	PI2 BPSK	135	135	24.24	24.26	24.41	25.1	0.5	
50	PI2 BPSK	270	0	24.44	24.46	24.50			
50	QPSK	1	1	24.93	25.12	25.10			
50	QPSK	1	135	24.86	24.78	24.80	25.6	0.0	
50	QPSK	1	268	24.95	24.96	24.85			
50	QPSK	135	0	24.35	24.37	24.24	24.6	1.0	
50	QPSK	135	68	24.93	25.07	25.01	25.6	0.0	
50	QPSK	135	135	24.13	24.04	24.23	24.6	1.0	
50	QPSK	270	0	24.15	24.26	24.21			
50	16QAM	1	1	24.88	24.79	24.71	25.6	0.0	
50	64QAM	1	1	22.78	22.79	22.73	23.1	2.5	
50	256QAM	1	1	20.55	20.48	20.45	21.1	4.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	up limit	(dB)	
40	QPSK	1	1	24.88	24.94	24.92	25.6	0.0	
Channel				503500	507000	510500	Tune-up limit	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit	(dB)	
35	QPSK	1	1	24.82	24.94	24.90	25.6	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	up limit	(dB)	
30	QPSK	1	1	24.90	24.94	25.09	25.6	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit	(dB)	
25	QPSK	1	1	24.75	24.91	25.00	25.6	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	up limit	(dB)	
20	QPSK	1	1	24.85	25.09	24.89	25.6	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit	(dB)	
15	QPSK	1	1	24.73	25.11	24.97	25.6	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	up limit	(dB)	
10	QPSK	1	1	24.91	25.09	25.05	25.6	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit	(dB)	
5	QPSK	1	1	24.93	24.99	24.90	25.6	0.0	

FR1 n25 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	24.12	24.24	24.21			
40	PI2 BPSK	1	108	24.12	24.12	24.06	24.8	0.0	
40	PI2 BPSK	1	214	24.17	24.20	24.16			
40	PI2 BPSK	108	0	23.60	23.67	23.61	24.3	0.5	
40	PI2 BPSK	108	54	24.19	24.19	24.00	24.8	0.0	
40	PI2 BPSK	108	108	23.48	23.46	23.43	24.3	0.5	
40	PI2 BPSK	216	0	23.33	23.51	23.52			
40	QPSK	1	1	24.25	24.34	24.31			
40	QPSK	1	108	24.19	24.23	24.20	24.8	0.0	
40	QPSK	1	214	24.05	24.27	24.10			
40	QPSK	108	0	23.19	23.34	23.23	23.8	1.0	
40	QPSK	108	54	24.12	24.22	24.21	24.8	0.0	
40	QPSK	108	108	23.11	23.23	23.11	23.8	1.0	
40	QPSK	216	0	23.10	23.34	23.04			
40	16QAM	1	1	22.97	23.15	22.97	23.8	1.0	
40	64QAM	1	1	21.44	21.56	21.41	22.3	2.5	
40	256QAM	1	1	19.29	19.30	19.19	20.3	4.5	
Channel									
Frequency (MHz)				373500	376500	379500	Tune-up limit	MPR	
Channel				1867.5	1882.5	1897.5	up limit	(dB)	
35	QPSK	1	1	24.17	24.26	24.29	24.8	0.0	
Channel									
Frequency (MHz)				1865	1882.5	1900	up limit	(dB)	
30	QPSK	1	1	24.11	24.17	24.27	24.8	0.0	
Channel				372500	376500	380500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1882.5	1892.5	up limit	(dB)	
25	QPSK	1	1	24.07	24.27	24.29	24.8	0.0	
Channel				372000	376500	381000	Tune-up limit	MPR	
Frequency (MHz)				1860	1882.5	1905	up limit	(dB)	
20	QPSK	1	1	24.24	24.27	24.12	24.8	0.0	
Channel									
Frequency (MHz)				37150	37650	38150	Tune-up limit	MPR	
Channel				1857.5	1882.5	1897.5	up limit	(dB)	
15	QPSK	1	1	24.11	24.22	24.32	24.8	0.0	
Channel				37100	37650	38200	Tune-up limit	MPR	
Frequency (MHz)				1855	1882.5	1895	up limit	(dB)	
10	QPSK	1	1	24.09	24.25	24.23	24.8	0.0	
Channel									
Frequency (MHz)				37050	37650	38250	Tune-up limit	MPR	
Channel				1852.5	1882.5	1912.5	up limit	(dB)	
5	QPSK	1	1	24.29	24.27	24.12	24.8	0.0	

FR1 n66 Ant5 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)
Channel				346000	346000	351000	
Frequency (MHz)				1732.5	1745	1757.5	
45	PB2 BPSK	1	1	23.32	23.29	23.37	
45	PB2 BPSK	1	120	23.22	23.35	23.36	24.4
45	PB2 BPSK	1	240	23.27	23.42	23.35	
45	PB2 BPSK	120	0	22.55	22.49	22.59	23.9
45	PB2 BPSK	120	60	23.33	23.35	23.22	24.4
45	PB2 BPSK	120	120	22.65	22.61	22.47	
45	PB2 BPSK	240	0	22.71	22.72	22.55	23.9
45	QPSK	1	1	23.39	23.58	23.48	
45	QPSK	1	120	23.44	23.32	23.37	24.4
45	QPSK	1	240	23.23	23.35	23.35	
45	QPSK	120	0	22.21	22.27	22.24	23.4
45	QPSK	120	60	23.44	23.47	23.31	24.4
45	QPSK	120	120	22.25	22.32	22.32	
45	QPSK	240	0	22.37	22.41	22.53	23.4
45	16QAM	1	1	22.23	22.17	22.21	23.4
45	64QAM	1	1	21.12	21.24	21.22	21.9
45	256QAM	1	1	19.08	19.11	19.04	19.9
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	23.32	23.47	23.42	24.4
Channel				345000	349000	352000	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.40	23.43	23.45	24.4
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.32	23.49	23.37	24.4
Channel				344000	349000	353000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.41	23.42	23.48	24.4
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.38	23.42	23.45	24.4
Channel				343000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.39	23.40	23.44	24.4
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.37	23.45	23.37	24.4
Channel				342000	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.38	23.42	23.43	24.4

FR1 n38 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on limit (dBm)	MPR	
Channel									
Frequency (MHz)				518500	519000	520000			
Channel				2100	2100	2100			
40	P12 BPSK	1	1	24.19	24.26	24.30	25.5	0.0	
40	P12 BPSK	1	53	24.38	24.45	24.33			
40	P12 BPSK	1	104	24.40	24.41	24.38			
40	P12 BPSK	60	0	23.88	23.72	23.91			
40	P12 BPSK	60	28	24.31	24.33	24.19	25.0	0.0	
40	P12 BPSK	60	56	24.02	23.89	23.83	25.0	0.0	
40	P12 BPSK	100	0	23.87	23.82	23.95	25.0	0.0	
40	QPSK	1	1	24.38	24.31	24.48	25.5	0.0	
40	QPSK	1	53	24.29	24.38	24.18			
40	QPSK	1	104	24.35	24.22	24.24			
40	QPSK	60	0	24.38	24.47	24.52			
40	QPSK	60	28	24.20	24.30	24.35	25.5	0.0	
40	QPSK	60	56	24.38	24.23	24.23	24.5	1.0	
40	QPSK	100	0	23.16	23.26	23.51	24.5	1.0	
40	16QAM	1	1	23.43	23.31	23.35	24.5	1.0	
40	64QAM	1	1	22.06	22.12	22.01	23.0	2.5	
40	256QAM	1	1	19.88	19.76	19.79	21.0	4.5	
Channel									
Frequency (MHz)				517000	518000	521000	MPR		
Channel				2100	2100	2100	(dB)		
30	QPSK	1	1	24.20	24.45	24.41	25.5	0.0	
Channel									
Frequency (MHz)				518500	519000	521500	MPR		
Channel				2100	2100	2100	(dB)		
25	QPSK	1	1	24.35	24.34	24.38	25.5	0.0	
Channel									
Frequency (MHz)				518500	519000	522000	MPR		
Channel				2100	2100	2100	(dB)		
20	QPSK	1	1	24.30	24.31	24.34	25.5	0.0	
Channel									
Frequency (MHz)				518500	519000	522500	MPR		
Channel				2100	2100	2100	(dB)		
15	QPSK	1	1	24.24	24.32	24.26	25.5	0.0	
Channel									
Frequency (MHz)				518500	519000	523000	MPR		
Channel				2100	2100	2100	(dB)		
10	QPSK	1	1	24.38	24.45	24.28	25.5	0.0	

PC3 FR1 n41 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (dBm)	Power Middle Ch. Freq. (dBm)	Power High Ch. Freq. (dBm)	Turn-on limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				509202	518598	520000			
100	P12 BPSK	1	1	24.57	24.68	24.40	25.7	0.0	
100	P12 BPSK	1	137	24.71	24.71	24.51			
100	P12 BPSK	1	271	24.32	24.71	24.72			
100	P12 BPSK	130	0	24.31	24.28	24.12	25.2	0.5	
100	P12 BPSK	130	69	24.48	24.67	24.69	25.7	0.0	
100	P12 BPSK	130	138	24.20	24.21	24.15	25.0	0.5	
100	QPSK	1	1	24.67	24.77	24.70	25.7	0.0	
100	QPSK	1	137	24.74	24.72	24.50			
100	QPSK	1	271	24.62	24.61	24.40			
100	QPSK	130	0	24.60	24.72	24.59			
100	QPSK	130	69	24.65	24.74	24.69	25.7	0.0	
100	QPSK	130	138	24.70	24.60	24.57	24.7	1.0	
100	QPSK	270	0	23.30	23.60	23.62	24.7	1.0	
100	16QAM	1	1	23.85	23.85	23.75	24.7	1.0	
100	64QAM	1	1	22.30	22.55	22.35	23.2	2.5	
100	256QAM	1	1	20.36	20.16	20.17	21.2	4.5	
Channel									
Frequency (MHz)				508200	518598	520996			
90	QPSK	1	1	24.60	24.67	24.63	25.7	0.0	
Channel									
Frequency (MHz)				507208	518598	520996			
80	QPSK	1	1	24.51	24.69	24.67	25.7	0.0	
Channel									
Frequency (MHz)				506200	518598	520996			
70	QPSK	1	1	24.60	24.71	24.65	25.7	0.0	
Channel									
Frequency (MHz)				505200	518598	520996			
60	QPSK	1	1	24.58	24.65	24.68	25.7	0.0	
Channel									
Frequency (MHz)				504204	518598	520996			
50	QPSK	1	1	24.47	24.66	24.58	25.7	0.0	
Channel									
Frequency (MHz)				503700	518598	520996			
45	QPSK	1	1	24.64	24.68	24.65	25.7	0.0	
Channel									
Frequency (MHz)				502702	518598	520996			
40	QPSK	1	1	24.50	24.68	24.49	25.7	0.0	
Channel									
Frequency (MHz)				501701	518598	520996			
35	QPSK	1	1	24.64	24.66	24.69	25.7	0.0	
Channel									
Frequency (MHz)				500701	518598	520996			
30	QPSK	1	1	24.50	24.55	24.40	25.7	0.0	
Channel									
Frequency (MHz)				500204	518598	520996			
25	QPSK	1	1	24.47	24.70	24.62	25.7	0.0	
Channel									
Frequency (MHz)				500204	518598	520996			
20	QPSK	1	1	24.56	24.72	24.62	25.7	0.0	
Channel									
Frequency (MHz)				500700	518598	520996			
15	QPSK	1	1	24.45	24.73	24.70	25.7	0.0	
Channel									
Frequency (MHz)				500202	518598	520996			
10	QPSK	1	1	24.54	24.75	24.54	25.7	0.0	

PC2 FR1 n41 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Fwd)	Power Middle Ch. (Fwd)	Power High Ch. (Fwd)	Turn-on time (s)	MPR (dB)	
Channel									
Frequency (MHz)				509202	518598	520000			
100	P12 BPSK	1	1	25.30	25.54	25.59	26.7	0.0	
100	P12 BPSK	1	137	25.49	25.61	25.72			
100	P12 BPSK	1	271	25.38	25.58	25.49			
100	P12 BPSK	130	0	24.92	25.04	25.10	26.2	0.5	
100	P12 BPSK	130	69	25.45	25.58	25.46			
100	P12 BPSK	130	138	25.26	25.15	25.10			
100	QPSK	1	1	25.38	25.70	25.39	26.7	0.0	
100	QPSK	1	137	25.68	25.62	25.70			
100	QPSK	1	271	25.48	25.68	25.70			
100	QPSK	130	0	25.36	25.71	25.32	26.7	0.0	
100	QPSK	130	69	25.56	25.75	25.72			
100	QPSK	130	138	25.46	25.75	25.72			
100	QPSK	270	0	24.94	24.95	24.44	25.7	1.0	
100	1024QAM	1	1	24.54	24.84	24.87	25.5	0.0	
100	1024QAM	1	231	23.11	23.11	23.11	24.2	2.0	
100	256QAM	1	1	21.22	21.18	21.07	22.2	4.5	
Channel									
Frequency (MHz)				509200	518598	520000	MPR		
50	QPSK	1	1	25.30	25.59	25.64	25.8	0.0	
50	QPSK	1	1	25.47	25.56	25.59	26.7	0.0	
80	Frequency (MHz)			507024	516998	516998	25.7	0.0	
80	QPSK	1	1	25.37	25.53	25.49	26.7	0.0	
80	QPSK	1	1	25.51	25.59	25.55	26.7	0.0	
70	Frequency (MHz)			509101	518999	2655	25.7	0.0	
70	QPSK	1	1	25.36	25.54	25.57	26.7	0.0	
70	QPSK	1	1	25.59	25.59	25.59	26.7	0.0	
60	Frequency (MHz)			509000	519000	2654	25.7	0.0	
60	QPSK	1	1	25.26	25.51	25.53	26.7	0.0	
60	QPSK	1	1	25.53	25.53	25.45	26.7	0.0	
60	QPSK	1	1	25.85	25.92	26.47	25.8	0.0	
45	Frequency (MHz)			509100	518900	2654	25.7	0.0	
45	QPSK	1	1	25.64	25.70	25.62	26.7	0.0	
45	QPSK	1	1	25.70	25.70	25.70	26.7	0.0	
40	Frequency (MHz)			509000	519000	2652	25.7	0.0	
40	QPSK	1	1	25.48	25.54	25.41	25.7	0.0	
40	QPSK	1	1	25.82	25.82	25.72	25.8	0.0	
30	Frequency (MHz)			509104	518896	2654	25.7	0.0	
30	QPSK	1	1	509200	518998	509998	25.7	0.0	
30	QPSK	1	1	509200	518998	518998	25.7	0.0	
30	QPSK	1	1	509102	518998	509998	25.7	0.0	
25	Frequency (MHz)			509102	518998	517000	25.7	0.0	
25	QPSK	1	1	509102	518998	517000	25.7	0.0	
25	QPSK	1	1	509102	518998	518998	25.7	0.0	
20	Frequency (MHz)			509200	518998	519100	25.7	0.0	
20	QPSK	1	1	509200	518998	519100	25.7	0.0	
20	QPSK	1	1	509102	518998	509698	25.7	0.0	
15	Frequency (MHz)			509102	518998	509698	25.7	0.0	
15	QPSK	1	1	509102	518998	509698	25.7	0.0	
15	QPSK	1	1	509200	518998	519000	25.7	0.0	
10	Frequency (MHz)			509102	518998	519000	25.7	0.0	
10	QPSK	1	1	24.43	24.47	24.56	26.7	0.0	

FR1 n48 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				636000	641666	645332			
Frequency (MHz)				219	224.25	229.50			
40	P12 BPSK	1	1	22.58	23.12	23.06			
40	P12 BPSK	1	53	23.11	23.23	23.15	24.5	0.0	
40	P12 BPSK	1	104	22.56	23.07	23.07			
40	P12 BPSK	50	0	22.57	22.69	22.74	24.0	0.5	
40	P12 BPSK	50	28	23.14	23.16	22.96	24.5	0.0	
40	P12 BPSK	50	56	22.58	22.62	22.50			
40	P12 BPSK	100	0	22.57	22.62	22.66	24.0	0.5	
40	QPSK	1	1	23.18	23.23	23.19			
40	QPSK	1	53	23.00	23.15	22.96	24.5	0.0	
40	QPSK	1	104	23.09	23.06	22.94			
40	QPSK	50	0	23.10	23.22	23.12			
40	QPSK	50	28	23.06	23.05	23.03	24.5	0.0	
40	QPSK	50	56	23.10	23.12	23.00			
40	QPSK	100	0	22.58	22.62	22.50	23.5	1.0	
40	16QAM	1	1	22.03	22.00	22.08	23.5	1.0	
40	64QAM	1	1	20.82	20.93	20.86	22.0	2.5	
40	256QAM	1	1	18.84	18.83	18.74	20.0	4.5	
Channel				637668	641666	645668			
Frequency (MHz)				3322.02	3324.50	3326.98			
30	QPSK	1	1	23.07	23.04	23.00	24.5	0.0	
Channel				637334	641666	646000			
Frequency (MHz)				3358.00	3358.50	3359.00			
20	QPSK	1	1	23.17	23.14	23.17	24.5	0.0	
Channel				637168	641666	646166			
Frequency (MHz)				3367.52	3367.50	3367.48			
15	QPSK	1	1	23.10	23.24	23.02	24.5	0.0	
Channel				637000	641666	646332			
Frequency (MHz)				3405	3404.56	3404.58			
10	QPSK	1	1	23.01	23.24	23.18	24.5	0.0	

PC3 FR1 n77 PartO Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3360	3360	3360			
100	P12 BPSK	1	1	24.25	24.11	24.13			
100	P12 BPSK	1	137	24.43	24.39	24.37	25.5	0.0	
100	P12 BPSK	1	271	24.26	24.13	24.11			
100	P12 BPSK	135	0	23.96	23.98	23.99	26.0	0.5	
100	P12 BPSK	135	69	24.21	24.28	24.34	25.5	0.0	
100	P12 BPSK	135	138	23.80	23.82	23.72	26.0	0.5	
100	P12 BPSK	270	0	23.87	23.90	23.98			
100	QPSK	1	1	24.44	24.45	24.43			
100	QPSK	1	137	24.32	24.31	24.14	25.5	0.0	
100	QPSK	1	271	24.19	24.31	24.26			
100	QPSK	135	0	24.31	24.40	24.44			
100	QPSK	135	69	24.35	24.43	24.45	25.5	0.0	
100	QPSK	135	138	24.31	24.18	24.18			
100	QPSK	270	0	23.18	23.19	23.14	24.5	1.0	
100	16QAM	1	1	23.35	23.35	23.24	24.5	1.0	
100	64QAM	1	1	22.01	22.13	22.15	23.0	2.5	
100	256QAM	1	1	19.97	20.04	20.04	21.0	4.5	
Channel				649608	656000	662332			
Frequency (MHz)				3410.02	3410	3410.98			
90	QPSK	1	1	23.95	24.09	24.03	25.5	0.0	
Channel				649334	656000	662666			
Frequency (MHz)				3440.01	3440	3440.99			
80	QPSK	1	1	23.85	24.14	24.00	25.5	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3470	3460	3460			
70	QPSK	1	1	23.85	24.13	24.00	25.5	0.0	
Channel				648968	656000	663332			
Frequency (MHz)				3490.02	3490	3490.98			
60	QPSK	1	1	23.87	23.96	24.04	25.5	0.0	
Channel				648334	656000	663666			
Frequency (MHz)				3520.01	3520	3520.99			
50	QPSK	1	1	23.84	24.10	23.89	25.5	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3550	3540	3540			
40	QPSK	1	1	23.99	24.15	23.87	25.5	0.0	
Channel				3470.01	3470.00	3470.01			
Frequency (MHz)				3715.02	3640.00	3640.98			
30	QPSK	1	1	23.93	23.94	23.90	25.5	0.0	
Channel				3470.01	3470.00	3470.01			
Frequency (MHz)				3712.5	3640.00	3640.98			
25	QPSK	1	1	23.87	24.02	23.91	25.5	0.0	
Channel				3710.01	3640	3640.98			
Frequency (MHz)				3710.01	3640	3640.98			
20	QPSK	1	1	24.01	23.99	23.82	25.5	0.0	
Channel				6478.48	656000	664332			
Frequency (MHz)				3707.42	3640	3672.48			
15	QPSK	1	1	23.94	24.02	23.89	25.5	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3640	3675			
10	QPSK	1	1	23.90	24.13	23.94	25.5	0.0	

PC2 FR1 n77 PartO Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3360	3360	3360			
100	P12 BPSK	1	1	27.15	27.18	27.34			
100	P12 BPSK	1	137	27.48	27.43	27.41	29.0	0.0	
100	P12 BPSK	1	271	27.17	27.27	27.16			
100	P12 BPSK	135	0	26.95	27.07	27.02	28.5	0.5	
100	P12 BPSK	135	69	27.43	27.34	27.38	29.0	0.0	
100	P12 BPSK	135	138	26.90	26.93	26.82	28.5	0.5	
100	P12 BPSK	270	0	27.07	27.07	27.16			
100	QPSK	1	1	27.44	27.59	27.48			
100	QPSK	1	137	27.20	27.29	27.27	29.0	0.0	
100	QPSK	1	271	27.33	27.45	27.39			
100	QPSK	135	0	27.29	27.36	27.45			
100	QPSK	135	69	27.30	27.33	27.35	29.0	0.0	
100	QPSK	135	138	27.12	27.23	27.30			
100	QPSK	270	0	26.36	26.41	26.34	28.0	1.0	
100	16QAM	1	1	26.25	26.28	26.38	28.0	1.0	
100	64QAM	1	1	25.07	25.07	25.22	26.5	2.5	
100	256QAM	1	1	22.95	22.98	22.92	24.5	4.5	
Channel				649668	656000	662332			
Frequency (MHz)				3445.02	3440	3444.98			
90	QPSK	1	1	27.44	27.56	27.39	29.0	0.0	
Channel				649334	656000	662666			
Frequency (MHz)				3475.01	3470	3474.99			
80	QPSK	1	1	27.37	27.54	27.29	29.0	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3500	3490	3490			
70	QPSK	1	1	27.34	27.38	27.27	29.0	0.0	
Channel				648968	656000	663332			
Frequency (MHz)				3520.02	3520	3520.98			
60	QPSK	1	1	27.23	27.48	27.45	29.0	0.0	
Channel				648334	656000	663666			
Frequency (MHz)				3540.01	3540	3540.99			
50	QPSK	1	1	27.28	27.45	27.30	29.0	0.0	
Channel				647999	656000	664000			
Frequency (MHz)				3570	3560	3560			
40	QPSK	1	1	27.22	27.48	27.26	29.0	0.0	
Channel				647665	656000	664335			
Frequency (MHz)				3590.01	3590	3590.99			
30	QPSK	1	1	27.12	27.51	27.39	29.0	0.0	
Channel				647331	656000	664669			
Frequency (MHz)				3610.01	3610	3610.99			
25	QPSK	1	1	27.15	27.46	27.39	29.0	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3630.01	3630	3630.99			
20	QPSK	1	1	27.13	27.58	27.31	29.0	0.0	
Channel				646718	656000	665452			
Frequency (MHz)				3647.92	3640	3640.98			
15	QPSK	1	1	27.17	27.58	27.39	29.0	0.0	
Channel				646400	656000	665800			
Frequency (MHz)				3660.01	3660	3660.99			
10	QPSK	1	1	27.17	27.57	27.31	29.0	0.0	

PC2 FR1 n77 PartQ Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1		27.54					
100	Pi2 BPSK	1	137	27.80			29.0		
100	Pi2 BPSK	1	271	27.65					
100	Pi2 BPSK	135	0	27.43			28.8	0.5	
100	Pi2 BPSK	135	69	27.79			29.0	0.0	
100	Pi2 BPSK	135	138	27.24			28.5	0.5	
100	Pi2 BPSK	270	0	27.48					
100	QPSK	1	1	27.88					
100	QPSK	1	137	27.51			29.0	0.0	
100	QPSK	1	271	27.77					
100	QPSK	135	0	27.76					
100	QPSK	135	69	27.78			29.0	0.0	
100	QPSK	135	138	27.82					
100	QPSK	270	0	26.65			28.0	1.0	
100	16QAM	1	1	26.87			28.0	1.0	
100	64QAM	1	1	26.45			28.5	2.5	
100	256QAM	1	1	25.31			24.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	27.83	27.69	27.82	29.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	27.76	27.66	27.65	29.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	27.67	27.62	27.82	29.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	27.74	27.56	27.77	29.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	27.65	27.56	27.67	29.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	27.69	27.51	27.81	29.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	27.78	27.68	27.67	29.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	27.68	27.67	27.75	29.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	27.65	27.49	27.76	29.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	27.65	27.61	27.61	29.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	27.76	27.65	27.69	29.0	0.0	

PC3 FR1 n78 PartO Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Power Low Ch. / Freq.	Power Power Middle Ch. / Freq.	Power Power High Ch. / Freq.	Turn-on limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	24.25					
100	Pi2 BPSK	1	137	24.46			25.5	0.0	
100	Pi2 BPSK	1	271	24.22					
100	Pi2 BPSK	135	0	24.18			26.0	0.5	
100	Pi2 BPSK	135	69	24.36			25.5	0.0	
100	Pi2 BPSK	135	138	23.93			25.0	0.5	
100	Pi2 BPSK	270	0	24.00					
100	QPSK	1	1	24.58			25.5	0.0	
100	QPSK	1	137	24.39					
100	QPSK	1	271	24.51					
100	QPSK	135	0	24.41			25.5	0.0	
100	QPSK	135	69	24.45					
100	QPSK	135	138	24.24			24.5	1.0	
100	QPSK	270	0	23.65			24.5	1.0	
100	16QAM	1	1	23.92			24.0	2.5	
100	64QAM	1	1	22.25			23.0	2.5	
100	256QAM	1	1	19.88			21.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.40	24.46	24.39	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.03	24.26	24.09	25.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.04	24.10	24.08	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.03	24.10	23.99	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.02	24.09	24.19	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.21	24.17	24.10	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.16	24.14	24.10	25.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.16	24.24	24.18	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.99	24.11	24.11	25.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.99	24.00	24.02	25.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.11	24.20	24.14	25.5	0.0	

PC2 FR1 n78 PartO Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	27.06			29.0		
100	Pi2 BPSK	1	137	27.26					
100	Pi2 BPSK	1	271	27.05					
100	Pi2 BPSK	135	0	26.92			28.5	0.5	
100	Pi2 BPSK	135	69	27.29			29.0	0.0	
100	Pi2 BPSK	135	138	26.84			28.5	0.5	
100	Pi2 BPSK	270	0	27.00					
100	QPSK	1	1	27.52			29.0	0.0	
100	QPSK	1	137	27.20					
100	QPSK	1	271	27.32					
100	QPSK	135	0	27.36			29.0	0.0	
100	QPSK	135	69	27.43					
100	QPSK	135	138	27.23			28.5	1.0	
100	QPSK	270	0	26.12			28.0	1.0	
100	16QAM	1	1	26.17			28.5	2.5	
100	64QAM	1	1	25.16			28.5	2.5	
100	256QAM	1	1	22.83			24.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	27.44	27.48	27.40	29.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	27.34	27.47	27.36	29.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	27.22	27.30	27.35	29.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	27.43	27.32	27.34	29.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	27.31	27.47	27.25	29.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	27.20	27.38	27.28	29.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	27.12	27.50	27.48	29.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	27.14	27.47	27.35	29.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	27.16	27.40	27.34	29.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	27.25	27.33	27.43	29.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	27.37	27.33	27.24	29.0	0.0	

PC2 FR1 n78 PartQ Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332					
				3470.95					
100	PB2-BPSK	1	1	27.43					
100	PB2-BPSK	1	137	27.75			29.0	0.0	
100	PB2-BPSK	1	271	27.51					
100	PB2-BPSK	135	0	27.38			28.5	0.5	
100	PB2-BPSK	135	69	27.74			29.0	0.0	
100	PB2-BPSK	135	138	27.74			28.5	0.5	
100	PB2-BPSK	270	0	27.43					
100	QPSK	1	1	27.85					
100	QPSK	1	137	27.41			29.0	0.0	
100	QPSK	1	271	27.72					
100	QPSK	135	0	27.73					
100	QPSK	135	69	27.74			29.0	0.0	
100	QPSK	135	138	27.45					
100	QPSK	270	0	28.02			28.0	1.0	
100	16QAM	1	1	28.02			28.0	1.0	
100	16QAM	1	1	28.44			28.5	2.5	
100	256QAM	1	1	28.13			28.5	4.5	
Channel				633000	633332	633666	up limit	MPR	
Frequency (MHz)				633000	633332	633666	up limit	(dB)	
90	QPSK	1	1	27.80	27.73	27.83	29.0	0.0	
Channel				630666	633332	634000	up limit	MPR	
Frequency (MHz)				630666	633332	634000	up limit	(dB)	
80	QPSK	1	1	27.80	27.72	27.65	29.0	0.0	
Channel				632334	633332	634332	up limit	MPR	
Frequency (MHz)				632334	633332	634332	up limit	(dB)	
70	QPSK	1	1	27.78	27.54	27.72	29.0	0.0	
Channel				632000	633332	634666	up limit	MPR	
Frequency (MHz)				632000	633332	634666	up limit	(dB)	
60	QPSK	1	1	27.69	27.75	27.82	29.0	0.0	
Channel				631666	633332	635000	up limit	MPR	
Frequency (MHz)				631666	633332	635000	up limit	(dB)	
60	QPSK	1	1	27.81	27.57	27.81	29.0	0.0	
Channel				631334	633332	635332	up limit	MPR	
Frequency (MHz)				631334	633332	635332	up limit	(dB)	
40	QPSK	1	1	27.59	27.58	27.75	29.0	0.0	
Channel				631000	633332	635666	up limit	MPR	
Frequency (MHz)				631000	633332	635666	up limit	(dB)	
30	QPSK	1	1	27.59	27.52	27.75	29.0	0.0	
Channel				630666	633332	636000	up limit	MPR	
Frequency (MHz)				630666	633332	636000	up limit	(dB)	
25	QPSK	1	1	27.67	27.68	27.81	29.0	0.0	
Channel				630334	633332	636332	up limit	MPR	
Frequency (MHz)				630334	633332	636332	up limit	(dB)	
20	QPSK	1	1	27.73	27.54	27.62	29.0	0.0	
Channel				630000	633332	636666	up limit	MPR	
Frequency (MHz)				630000	633332	636666	up limit	(dB)	
15	QPSK	1	1	27.63	27.42	27.49	29.0	0.0	
Channel				630000	633332	636666	up limit	MPR	
Frequency (MHz)				630000	633332	636666	up limit	(dB)	
10	QPSK	1	1	27.74	27.61	27.66	29.0	0.0	

FR1 n7 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)
Channel				565000	507000	569000	MPR
Frequency (MHz)				2525	2535	2545	
50	PI2 BPSK	1	1	23.22	22.82	22.98	
50	PI2 BPSK	1	135	22.86	22.92	22.97	24.1
50	PI2 BPSK	1	258	23.06	22.98	22.94	
50	PI2 BPSK	135	0	22.67	22.52	22.65	23.6
50	PI2 BPSK	135	68	23.09	22.96	22.81	24.1
50	PI2 BPSK	135	135	22.45	22.43	22.39	
50	PI2 BPSK	270	0	22.34	22.34	22.54	23.6
50	QPSK	1	1	23.33	23.42	23.40	
50	QPSK	1	135	22.91	22.97	22.91	24.1
50	QPSK	1	258	23.07	22.98	23.13	
50	QPSK	135	0	21.84	21.90	22.17	23.1
50	QPSK	135	68	23.18	23.21	22.90	24.1
50	QPSK	135	135	21.93	21.95	21.79	
50	QPSK	270	0	22.08	22.12	22.02	23.1
50	16QAM	1	1	21.74	21.95	21.86	23.1
50	84QAM	1	1	20.54	20.56	20.56	21.6
50	256QAM	1	1	18.65	18.62	18.39	19.6
Channel				564000	507000	510000	Tune-up limit (dB)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	23.24	23.21	23.29	24.1
Channel				503500	507000	510500	Tune-up limit (dB)
Frequency (MHz)				2517.5	2535	2552.5	
35	QPSK	1	1	23.01	23.39	23.25	24.1
Channel				503500	507000	511000	Tune-up limit (dB)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	23.01	23.36	23.25	24.1
Channel				502500	507000	511500	Tune-up limit (dB)
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.11	23.23	23.31	24.1
Channel				502000	507000	512000	Tune-up limit (dB)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	23.05	23.19	23.27	24.1
Channel				501500	507000	512500	Tune-up limit (dB)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.05	23.19	23.27	24.1
Channel				501000	507000	513000	Tune-up limit (dB)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.00	23.21	23.23	24.1
Channel				500500	507000	513500	Tune-up limit (dB)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.03	23.29	23.09	24.1

FR1 n66 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)
Channel				346500	349000	351500	MPR
Frequency (MHz)				1732.5	1745	1757.5	
45	PI2 BPSK	1	1	23.31	23.09	23.14	
45	PI2 BPSK	1	120	23.18	23.13	23.24	24.4
45	PI2 BPSK	1	240	23.18	23.23	23.18	
45	PI2 BPSK	120	0	22.85	22.82	22.73	23.9
45	PI2 BPSK	120	60	23.19	23.07	23.09	24.4
45	PI2 BPSK	120	120	22.54	22.36	22.37	
45	PI2 BPSK	240	0	22.63	22.58	22.63	23.9
45	QPSK	1	1	23.55	23.58	23.50	
45	QPSK	1	120	23.12	23.17	23.13	24.4
45	QPSK	1	240	23.34	23.30	23.36	
45	QPSK	120	0	22.22	22.18	22.35	23.4
45	QPSK	120	60	23.27	23.31	23.22	24.4
45	QPSK	120	120	22.98	22.19	21.95	
45	QPSK	240	0	22.21	22.07	22.21	23.4
45	16QAM	1	1	22.04	22.18	22.17	23.4
45	84QAM	1	1	20.63	20.76	20.66	21.9
45	256QAM	1	1	18.65	18.73	18.71	19.9
Channel				346000	349000	352000	Tune-up limit (dB)
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	23.51	23.54	23.33	24.4
Channel				345500	349000	352500	Tune-up limit (dB)
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.43	23.55	23.33	24.4
Channel				345500	349000	353000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.56	23.41	23.46	24.4
Channel				344500	349000	353500	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1770	
25	QPSK	1	1	23.55	23.53	23.47	24.4
Channel				344000	349000	354000	Tune-up limit (dB)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.54	23.53	23.28	24.4
Channel				343500	349000	354500	Tune-up limit (dB)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.40	23.37	23.47	24.4
Channel				343000	349000	355000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.48	23.38	23.35	24.4
Channel				342500	349000	355500	Tune-up limit (dB)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.48	23.37	23.30	24.4

FR1 n38 Ant6 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	518000	520000			
Frequency (MHz)				2590	2595	2600			
40	PI2 BPSK	1	1	22.81	22.86	22.98			
40	PI2 BPSK	1	33	22.73	22.89	22.87		24.3	
40	PI2 BPSK	1	104	22.85	22.68	22.82			
40	PI2 BPSK	50	0	22.33	22.31	22.43	23.8	0.5	
40	PI2 BPSK	50	28	22.89	22.74	22.83	24.3	0.0	
40	PI2 BPSK	50	56	22.64	22.86	22.89			
40	PI2 BPSK	100	0	22.28	22.38	22.42	23.8	0.5	
40	QPSK	1	1	22.92	23.03	22.99			
40	QPSK	1	53	22.85	22.88	22.86		24.3	
40	QPSK	1	104	22.87	22.71	22.85			
40	QPSK	50	0	22.38	22.41	22.39			
40	QPSK	50	28	22.92	22.97	22.94	24.3	0.0	
40	QPSK	50	56	22.76	22.79	22.89			
40	QPSK	100	0	21.70	22.01	21.91	23.3	1.0	
40	16QAM	1	1	21.70	21.71	21.89	23.3	1.0	
40	64QAM	1	1	20.29	20.39	20.38	21.8	2.5	
40	256QAM	1	1	18.15	18.37	18.35	19.8	4.5	
Channel				517000	518000	521000	Tune-	MPR	
Frequency (MHz)				2585	2595	2605	up limit	(dB)	
30	QPSK	1	1	22.82	22.88	23.01	24.3	0.0	
Channel				516500	518000	521500	Tune-	MPR	
Frequency (MHz)				2582.5	2595	2607.5	up limit	(dB)	
25	QPSK	1	1	22.84	22.91	22.92	24.3	0.0	
Channel				516000	518000	522000	Tune-	MPR	
Frequency (MHz)				2580	2595	2610	up limit	(dB)	
20	QPSK	1	1	22.75	22.90	22.89	24.3	0.0	
Channel				515500	518000	522500	Tune-	MPR	
Frequency (MHz)				2577.5	2595	2612.5	up limit	(dB)	
15	QPSK	1	1	22.82	22.98	22.87	24.3	0.0	
Channel				515000	518000	523000	Tune-	MPR	
Frequency (MHz)				2574	2595	2616	up limit	(dB)	
10	QPSK	1	1	22.87	22.99	22.95	24.3	0.0	

FR1 n41 Ant6 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518998	528900			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.01	23.18	23.21			
100	PI2 BPSK	1	137	22.91	23.17	22.95		24.2	
100	PI2 BPSK	1	271	22.74	22.95	22.95			
100	PI2 BPSK	135	0	22.44	22.42	22.75	23.7	0.5	
100	PI2 BPSK	135	69	23.01	22.91	23.16	24.2	0.0	
100	PI2 BPSK	135	138	22.75	23.16	23.05			
100	PI2 BPSK	270	0	22.37	22.82	22.64	23.7	0.5	
100	QPSK	1	1	23.13	23.28	23.18			
100	QPSK	1	137	22.85	23.03	23.00		24.2	
100	QPSK	1	271	23.05	22.98	23.05			
100	QPSK	135	0	22.55	22.88	22.82			
100	QPSK	135	69	23.02	23.21	23.18	24.2	0.0	
100	QPSK	135	138	22.98	22.97	23.05			
100	QPSK	270	0	22.01	22.70	22.69	23.2	1.0	
100	16QAM	1	1	21.90	22.00	22.04	23.2	1.0	
100	64QAM	1	1	20.57	20.48	20.48	21.7	2.5	
100	256QAM	1	1	18.45	18.82	18.84	19.7	4.5	
Channel				508200	518998	528998	Tune-	MPR	
Frequency (MHz)				2541	2592.99	2644.98	up limit	(dB)	
80	QPSK	1	1	22.97	23.10	23.12	24.2	0.0	
Channel				507204	518998	529998	Tune-	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	up limit	(dB)	
80	QPSK	1	1	23.10	23.14	23.01	24.2	0.0	
Channel				506202	518998	531000	Tune-	MPR	
Frequency (MHz)				2531.01	2592.99	2655	up limit	(dB)	
70	QPSK	1	1	22.91	23.07	23.11	24.2	0.0	
Channel				505200	518998	531998	Tune-	MPR	
Frequency (MHz)				2526	2592.99	2669.98	up limit	(dB)	
60	QPSK	1	1	23.13	23.22	23.15	24.2	0.0	
Channel				504204	518998	532998	Tune-	MPR	
Frequency (MHz)				2521.01	2592.99	2674.99	up limit	(dB)	
50	QPSK	1	1	23.12	23.10	22.98	24.2	0.0	
Channel				503700	518998	533498	Tune-	MPR	
Frequency (MHz)				2516.15	2592.99	2679.48	up limit	(dB)	
45	QPSK	1	1	23.09	23.24	23.07	24.2	0.0	
Channel				503202	518998	534000	Tune-	MPR	
Frequency (MHz)				2516.01	2592.99	2670	up limit	(dB)	
40	QPSK	1	1	22.99	23.15	23.06	24.2	0.0	
Channel				502704	518998	534498	Tune-	MPR	
Frequency (MHz)				2513.52	2592.99	2672.49	up limit	(dB)	
35	QPSK	1	1	23.02	23.17	23.06	24.2	0.0	
Channel				502200	518998	534998	Tune-	MPR	
Frequency (MHz)				2511	2592.99	2674.98	up limit	(dB)	
30	QPSK	1	1	22.93	23.11	23.10	24.2	0.0	
Channel				501702	518998	535500	Tune-	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	up limit	(dB)	
25	QPSK	1	1	23.14	23.11	23.06	24.2	0.0	
Channel				501204	518998	535998	Tune-	MPR	
Frequency (MHz)				2506.00	2592.99	2679.99	up limit	(dB)	
20	QPSK	1	1	22.95	23.09	23.16	24.2	0.0	
Channel				500700	518998	536498	Tune-	MPR	
Frequency (MHz)				2503.15	2592.99	2682.15	up limit	(dB)	
15	QPSK	1	1	23.08	23.23	23.17	24.2	0.0	
Channel				500202	518998	537000	Tune-	MPR	
Frequency (MHz)				2501.01	2592.99	2685	up limit	(dB)	
10	QPSK	1	1	23.05	23.22	23.16	24.2	0.0	

FR1 n48 Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				838000	841666	845332	
Frequency (MHz)				3570	3624.99	3679.98	
40	P12 BPSK	1	1	20.39	20.43	20.39	
40	P12 BPSK	1	53	20.40	20.45	20.33	21.2
40	P12 BPSK	1	104	20.34	20.44	20.42	
40	P12 BPSK	50	0	20.00	20.06	19.99	20.7
40	P12 BPSK	50	28	20.30	20.42	20.32	21.2
40	P12 BPSK	50	55	19.82	19.94	19.80	
40	P12 BPSK	100	0	19.94	20.01	19.97	20.7
40	QPSK	1	1	20.51	20.54	20.48	
40	QPSK	1	53	20.47	20.50	20.46	21.2
40	QPSK	1	104	20.30	20.38	20.34	
40	QPSK	50	0	19.52	19.59	19.46	
40	QPSK	50	28	20.47	20.52	20.47	21.2
40	QPSK	50	55	19.41	19.44	19.35	
40	QPSK	100	0	19.49	19.54	19.45	20.2
40	16QAM	1	1	19.25	19.33	19.30	20.2
40	64QAM	1	1	17.84	17.90	17.79	18.7
40	256QAM	1	1	15.79	15.92	15.90	16.7
Channel				837668	841668	845668	
Frequency (MHz)				3565.02	3624.99	3694.99	up limit
30	QPSK	1	1	20.39	20.44	20.41	21.2
Channel				837204	841666	846000	
Frequency (MHz)				3560.01	3624.99	3690	up limit
20	QPSK	1	1	20.43	20.40	20.41	21.2
Channel				837115	841666	845955	
Frequency (MHz)				3557.82	3624.99	3692.49	up limit
15	QPSK	1	1	20.37	20.42	20.44	21.2
Channel				837090	841666	846332	
Frequency (MHz)				3555	3624.99	3694.98	up limit
10	QPSK	1	1	20.45	20.47	20.35	21.2

PC3 FR1 n77 PartO Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				860000	866000	862000	
Frequency (MHz)				3750	3840	3930	
100	P12 BPSK	1	1	21.97	22.06	21.98	
100	P12 BPSK	1	137	21.95	22.03	21.94	22.8
100	P12 BPSK	1	271	21.89	22.02	21.95	
100	P12 BPSK	135	0	21.51	21.61	21.59	22.3
100	P12 BPSK	135	69	21.87	22.00	21.88	22.8
100	P12 BPSK	135	138	21.51	21.64	21.59	
100	P12 BPSK	270	0	21.41	21.53	21.40	22.3
100	QPSK	1	1	22.02	22.08	22.05	
100	QPSK	1	137	21.96	22.02	21.96	22.8
100	QPSK	1	271	21.85	21.95	21.89	
100	QPSK	135	0	21.82	22.00	21.82	
100	QPSK	135	69	22.01	22.06	22.02	22.8
100	QPSK	135	138	21.98	22.05	21.96	
100	QPSK	270	0	21.05	21.12	21.01	21.8
100	16QAM	1	1	21.01	21.09	21.00	21.8
100	64QAM	1	1	19.56	19.63	19.51	20.3
100	256QAM	1	1	17.47	17.54	17.41	18.3
Channel				849668	856000	862332	
Frequency (MHz)				3745.02	3840	3934.98	up limit
90	QPSK	1	1	21.95	21.96	21.93	22.8
Channel				849334	856000	862666	
Frequency (MHz)				3740.01	3840	3939.99	up limit
80	QPSK	1	1	21.90	21.95	21.98	22.8
Channel				849300	856000	863000	
Frequency (MHz)				3735	3840	3945	up limit
70	QPSK	1	1	21.94	21.99	21.93	22.8
Channel				848968	856000	863332	
Frequency (MHz)				3730.02	3840	3949.98	up limit
60	QPSK	1	1	21.88	21.97	21.98	22.8
Channel				848334	856000	863666	
Frequency (MHz)				3725.01	3840	3954.99	up limit
50	QPSK	1	1	21.97	22.04	21.92	22.8
Channel				848000	856000	864000	
Frequency (MHz)				3720	3840	3959	up limit
40	QPSK	1	1	21.99	21.98	21.95	22.8
Channel				847668	856000	864332	
Frequency (MHz)				3715.02	3840.00	3954.98	up limit
30	QPSK	1	1	21.97	22.05	21.93	22.8
Channel				847500	856000	864500	
Frequency (MHz)				3712.5	3840.00	3957.50	up limit
25	QPSK	1	1	22.00	21.98	21.97	22.8
Channel				847334	856000	864666	
Frequency (MHz)				3710.01	3840	3959.99	up limit
20	QPSK	1	1	21.92	22.03	21.95	22.8
Channel				847168	856000	864832	
Frequency (MHz)				3707.52	3840	3972.48	up limit
15	QPSK	1	1	21.92	22.02	22.02	22.8
Channel				847000	856000	865000	
Frequency (MHz)				3705	3840	3975	up limit
10	QPSK	1	1	21.97	21.98	21.92	22.8

PC2 FR1 n77 PartO Ant8 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				860000	866000	862000	
Frequency (MHz)				3750	3840	3930	
100	P12 BPSK	1	1	24.88	25.01	24.96	
100	P12 BPSK	1	137	24.89	24.99	24.94	26.3
100	P12 BPSK	1	271	24.88	25.01	24.89	
100	P12 BPSK	135	0	24.44	24.54	24.50	25.8
100	P12 BPSK	135	69	24.96	24.98	24.95	26.3
100	P12 BPSK	135	138	24.46	24.56	24.48	
100	P12 BPSK	270	0	24.40	24.53	24.40	25.8
100	QPSK	1	1	25.01	25.08	25.02	
100	QPSK	1	137	24.92	24.98	24.96	26.3
100	QPSK	1	271	25.01	25.03	24.95	
100	QPSK	135	0	24.95	25.00	24.95	
100	QPSK	135	69	24.94	25.07	24.98	26.3
100	QPSK	135	138	24.89	24.99	24.89	
100	QPSK	270	0	24.04	24.08	24.05	25.3
100	16QAM	1	1	23.98	24.06	23.99	25.3
100	64QAM	1	1	22.49	22.57	22.48	23.8
100	256QAM	1	1	20.45	20.58	20.53	21.8
Channel				849668	856000	862332	
Frequency (MHz)				3745.02	3840	3934.98	up limit
90	QPSK	1	1	24.90	25.04	24.98	25.3
Channel				849334	856000	862666	
Frequency (MHz)				3740.01	3840	3939.99	up limit
80	QPSK	1	1	24.92	24.96	24.88	26.3
Channel				849000	856000	863000	
Frequency (MHz)				3735	3840	3945	up limit
70	QPSK	1	1	24.96	25.00	24.91	26.3
Channel				848668	856000	863332	
Frequency (MHz)				3730.02	3840	3949.98	up limit
60	QPSK	1	1	24.95	25.02	24.90	26.3
Channel				848334	856000	863666	
Frequency (MHz)				3725.01	3840	3954.99	up limit
50	QPSK	1	1	24.90	24.99	24.98	26.3
Channel				848000	856000	864000	
Frequency (MHz)				3720	3840	3959	up limit
40	QPSK	1	1	24.95	24.97	24.95	26.3
Channel				847668	856000	864332	
Frequency (MHz)				3715.02	3840.00	3954.98	up limit
30	QPSK	1	1	24.98	24.09	24.94	26.3
Channel				847500	856000	864500	
Frequency (MHz)				3712.5	3840.00	3957.50	up limit
25	QPSK	1	1	24.87	25.05	24.93	26.3
Channel				847334	856000	864666	
Frequency (MHz)				3710.01	3840	3959.99	up limit
20	QPSK	1	1	24.88	24.99	24.96	26.3
Channel				847168	856000	864832	
Frequency (MHz)				3707.52	3840	3972.48	up limit
15	QPSK	1	1	24.94	24.97	24.99	26.3
Channel				847000	856000	865000	
Frequency (MHz)				3705	3840	3975	up limit
10	QPSK	1	1	24.88	24.94	24.97	26.3

PC3 FR1 n77 PartQ Ant8 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332					
				3499.98					
100	PI2 BPSK	1	1		21.31				
100	PI2 BPSK	1	137		21.31		22.8	0.0	
100	PI2 BPSK	1	271		21.39				
100	PI2 BPSK	135	0		21.26		22.3	0.0	
100	PI2 BPSK	135	69		21.32		22.8	0.0	
100	PI2 BPSK	135	138		21.41				
100	PI2 BPSK	270	0		21.27		22.3	0.5	
100	QPSK	1	1		21.47				
100	QPSK	1	137		21.25		22.8	0.0	
100	QPSK	1	271		21.42				
100	QPSK	135	0		21.26				
100	QPSK	135	69		21.45		22.8	0.0	
100	QPSK	135	138		21.42				
100	QPSK	270	0		20.28		21.8	1.0	
100	16QAM	1	1		20.28		21.8	1.0	
100	64QAM	1	1		18.99		20.3	2.5	
100	256QAM	1	1		17.02		18.3	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit	(dB)	
90	QPSK	1	1		21.37	21.26	21.32	22.8	0.0
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1		21.24	21.17	21.17	22.8	0.0
Channel				632335	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1		21.22	21.07	21.24	22.8	0.0
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit	(dB)	
60	QPSK	1	1		21.34	21.11	21.30	22.8	0.0
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	up limit	(dB)	
50	QPSK	1	1		21.24	21.04	21.27	22.8	0.0
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3509.99	up limit	(dB)	
40	QPSK	1	1		21.33	21.15	21.13	22.8	0.0
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit	(dB)	
30	QPSK	1	1		21.24	21.13	21.21	22.8	0.0
Channel				630634	633332	635832	Tune-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit	(dB)	
25	QPSK	1	1		21.29	21.27	21.33	22.8	0.0
Channel				630268	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1		21.38	21.11	21.28	22.8	0.0
Channel				630000	633332	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1		21.23	21.09	21.16	22.8	0.0
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1		21.19	21.21	21.13	22.8	0.0

PC2 FR1 n77 PartQ Ant8 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1		24.63				
100	PI2 BPSK	1	137		24.55		26.3	0.0	
100	PI2 BPSK	1	271		24.59				
100	PI2 BPSK	135	0		24.01		25.8	0.0	
100	PI2 BPSK	135	69		24.56		26.3	0.0	
100	PI2 BPSK	135	138		24.11		25.8	0.0	
100	PI2 BPSK	270	0		24.13		25.8	0.0	
100	QPSK	1	1		24.68				
100	QPSK	1	137		24.56		26.3	0.0	
100	QPSK	1	271		24.62				
100	QPSK	135	0		23.85				
100	QPSK	135	69		24.49		26.3	0.0	
100	QPSK	135	138		24.11				
100	QPSK	270	0		23.51		25.3	1.0	
100	16QAM	1	1		23.48		25.3	1.0	
100	64QAM	1	1		22.10		23.8	2.5	
100	256QAM	1	1		20.13		21.5	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit	(dB)	
90	QPSK	1	1		24.51	24.59	24.58	26.3	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1		24.44	24.49	24.47	26.3	
Channel				632335	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1		24.43	24.56	24.58	26.3	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit	(dB)	
60	QPSK	1	1		24.43	24.56	24.49	26.3	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3499.98	3505	up limit	(dB)	
50	QPSK	1	1		24.48	24.51	24.48	26.3	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3509.99	up limit	(dB)	
40	QPSK	1	1		24.59	24.49	24.56	26.3	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit	(dB)	
30	QPSK	1	1		24.50	24.48	24.48	26.3	
Channel				630634	633332	635832	Tune-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit	(dB)	
25	QPSK	1	1		24.42	24.52	24.51	26.3	
Channel				630268	633332	636100	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1		24.44	24.58	24.49	26.3	
Channel				630000	633332	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1		24.41	24.55	24.57	26.3	
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1		24.46	24.59	24.52	26.3	

PC3 FR1 n78 Part0 Ant8 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				650000							
100				PI2 BPSK	1	1	22.10				
100				PI2 BPSK	1	137	22.05		22.7		
100				PI2 BPSK	1	271	22.10				
100				PI2 BPSK	135	0	21.52		22.2		
100				PI2 BPSK	135	69	22.07		22.7		
100				PI2 BPSK	135	138	21.58		22.2		
100				PI2 BPSK	270	0	21.51		22.2		
100				QPSK	1	1	22.11				
100				QPSK	1	137	21.98		22.7		
100				QPSK	1	271	22.08				
100				QPSK	135	0	22.02				
100				QPSK	135	69	22.07		22.7		
100				QPSK	135	138	22.06				
100				QPSK	270	0	21.15		21.7		
100				16QAM	1	1	21.13		21.7		
100				64QAM	1	1	19.99		20.2		
100				256QAM	1	1	17.82		18.2		
Channel				486968	650000	651332	18.45				
Frequency (MHz)				3745.02	3750	3754.98	18.45				
90				QPSK	1	1	22.03	21.97	21.96	Tune- MPR	
Channel				3745.03	850000	850668	22.06				
Frequency (MHz)				3745.01	3750	3754.99	22.02				
80				QPSK	1	1	21.97	22.05	22.04	22.7	0.0
Channel				481900	850000	851500	18.45				
Frequency (MHz)				3745.03	3750	3754.98	18.45				
70				QPSK	1	1	22.06	22.00	22.02	22.7	0.0
Channel				486968	850000	851332	18.45				
Frequency (MHz)				3752.02	3750	3756.98	18.45				
60				QPSK	1	1	22.03	22.05	22.08	22.7	0.0
Channel				484334	850000	851666	18.45				
Frequency (MHz)				3752.01	3750	3774.99	18.45				
50				QPSK	1	1	22.25	21.96	22.01	22.7	0.0
Channel				484702	850000	850200	18.45				
Frequency (MHz)				3752.02	3750	3780	18.45				
40				QPSK	1	1	21.96	22.01	22.04	22.7	0.0
Channel				474768	850000	850832	18.45				
Frequency (MHz)				3751.02	3750	3784.98	18.45				
30				QPSK	1	1	22.04	22.04	21.97	22.7	0.0
Channel				474702	850000	850200	18.45				
Frequency (MHz)				3749.75	3750	3787.50	18.45				
25				QPSK	1	1	22.06	21.99	21.97	22.7	0.0
Channel				474334	850000	850668	18.45				
Frequency (MHz)				3750.01	3750	3786.98	18.45				
20				QPSK	1	1	21.98	21.95	22.07	22.7	0.0
Channel				481768	850000	850832	18.45				
Frequency (MHz)				3748.02	3750	3782.98	18.45				
15				QPSK	1	1	22.02	22.00	22.00	22.7	0.0
Channel				847000	850000	853000	18.45				
Frequency (MHz)				3750.75	3750	3755	18.45				
10				QPSK	1	1	3750	3750	3755	18.45	MPR

PC2 FR1 n78 PartO Ant8 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000					
Channel				3750					
100	P1/2 BPSK	1	1		25.03				
100	P1/2 BPSK	1	137		24.96		26.2	0.0	
100	P1/2 BPSK	1	271		25.00				
100	P1/2 BPSK	135	0		24.47		25.7	0.5	
100	P1/2 BPSK	135	69		24.95		26.2	0.0	
100	P1/2 BPSK	135	138		24.41		25.7	0.5	
100	P1/2 BPSK	270	0		24.47				
100	QPSK	1	1		25.10				
100	QPSK	1	137		24.90		26.2	0.0	
100	QPSK	1	271		24.95				
100	QPSK	135	0		23.97				
100	QPSK	135	69		24.89		26.2	0.0	
100	QPSK	135	138		23.96				
100	QPSK	270	0		23.95		25.2	1.0	
100	16QAM	1	1		23.80		25.2	1.0	
100	64QAM	1	1		21.99		23.7	2.5	
100	256QAM	1	1		19.99		21.7	4.5	
Channel				649668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit		
90	QPSK	1	1		25.05	25.05	24.56	26.2	0.0
Channel				649334	650000	650666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	up limit		
80	QPSK	1	1		25.02	25.02	25.03	26.2	0.0
Channel				649000	650000	651000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3750	3765	up limit		
70	QPSK	1	1		25.00	24.95	25.01	26.2	0.0
Channel				648668	650000	651332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	up limit		
60	QPSK	1	1		25.00	24.94	25.05	26.2	0.0
Channel				648334	650000	651666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	up limit		
50	QPSK	1	1		25.00	25.02	24.99	26.2	0.0
Channel				648000	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720.01	3750	3780.00	up limit		
40	QPSK	1	1		25.04	25.03	24.58	26.2	0.0
Channel				647668	650000	652332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750	3785.00	up limit		
30	QPSK	1	1		25.03	24.99	25.02	26.2	0.0
Channel				647334	650000	652666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	up limit		
25	QPSK	1	1		24.94	25.06	24.99	26.2	0.0
Channel				647000	650000	652998	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	up limit		
20	QPSK	1	1		25.02	24.95	25.04	26.2	0.0
Channel				646668	650000	653332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3750	3792.48	up limit		
15	QPSK	1	1		25.01	24.96	24.98	26.2	0.0
Channel				646334	650000	653666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	up limit		
10	QPSK	1	1		24.97	25.05	24.97	26.2	0.0

PC3 FR1 n78 PartQ Ant8 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		21.27				
100	P1/2 BPSK	1	137		21.29		22.7	0.0	
100	P1/2 BPSK	1	271		21.33				
100	P1/2 BPSK	135	0		21.19		22.2	0.5	
100	P1/2 BPSK	135	69		21.18		22.7	0.0	
100	P1/2 BPSK	135	138		21.32		22.2	0.5	
100	P1/2 BPSK	270	0		21.24				
100	QPSK	1	1		21.50				
100	QPSK	1	137		21.07		22.7	0.0	
100	QPSK	1	271		21.39				
100	QPSK	135	0		21.13				
100	QPSK	135	69		21.43		22.7	0.0	
100	QPSK	135	138		21.34				
100	QPSK	270	0		20.21		21.7	1.0	
100	16QAM	1	1		20.26		21.7	1.0	
100	64QAM	1	1		19.95		20.2	2.5	
100	256QAM	1	1		17.10		18.2	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1		21.63	21.56	21.47	22.7	0.0
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1		21.54	21.54	21.29	22.7	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1		21.45	21.43	21.48	22.7	0.0
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit		
60	QPSK	1	1		21.47	21.47	21.42	22.7	0.0
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	up limit		
50	QPSK	1	1		21.53	21.42	21.48	22.7	0.0
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	up limit		
40	QPSK	1	1		21.59	21.55	21.55	22.7	0.0
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit		
30	QPSK	1	1		21.51	21.55	21.42	22.7	0.0
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit		
25	QPSK	1	1		21.44	21.37	21.32	22.7	0.0
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit		
20	QPSK	1	1		21.55	21.47	21.32	22.7	0.0
Channel				630000	633332	636666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit		
15	QPSK	1	1		21.63	21.35	21.41	22.7	0.0
Channel				630034	633332	636932	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		
10	QPSK	1	1		21.46	21.52	21.28	22.7	0.0

PC2 FR1 n78 PartQ Ant8 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch / Freq	Power Level Ch / Freq	Power Level Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332					
				3499.98					
100	P1/2 BPSK	1	1		24.47				
100	P1/2 BPSK	1	137		24.49		26.2	0.0	
100	P1/2 BPSK	1	271		24.43				
100	P1/2 BPSK	135	0		23.88		25.7	0.5	
100	P1/2 BPSK	135	69		24.38		26.2	0.0	
100	P1/2 BPSK	135	138		23.97		25.7	0.5	
100	P1/2 BPSK	270	0		23.91				
100	QPSK	1	1		24.50				
100	QPSK	1	137		24.32		26.2	0.0	
100	QPSK	1	271		24.42				
100	QPSK	135	0		24.29				
100	QPSK	135	69		24.32		26.2	0.0	
100	QPSK	135	138		24.25				
100	QPSK	270	0		23.46		25.2	1.0	
100	16QAM	1	1		23.45		25.2	1.0	
100	64QAM	1	1		21.85		23.7	2.5	
100	256QAM	1	1		19.85		21.7	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1		24.59	24.50	24.53	26.2	0.0
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1		24.22	24.24	24.20	26.2	0.0
Channel				632334	633332	634332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1		24.26	24.22	24.21	26.2	0.0
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit		
60	QPSK	1	1		24.23	24.27	24.28	26.2	0.0
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3475.02	3499.98	3525	up limit		
50	QPSK	1	1		24.26	24.25	24.23	26.2	0.0
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	up limit		
40	QPSK	1	1		24.34	24.30	24.35	26.2	0.0
Channel				631000	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit		
30	QPSK	1	1		24.31	24.27	24.26	26.2	0.0
Channel				630634	633332	636632	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.51	3499.98	3539.48	up limit		
25	QPSK	1	1		24.22	24.25	24.21	26.2	0.0
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit		
20	QPSK	1	1		24.28	24.20	24.21	26.2	0.0
Channel				630500	633332	636166	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.63	3499.98	3542.65	up limit		
15	QPSK	1	1		24.33	24.22	24.26	25.2	0.0
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		

FR1 n48 Ant9 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				838000	841666	845332	
Frequency (MHz)				3570	3624.99	3679.98	
40	P12 BPSK	1	1	23.10	23.20	23.17	
40	P12 BPSK	1	53	23.23	23.21	23.22	24.2
40	P12 BPSK	1	104	23.22	23.25	23.13	
40	P12 BPSK	50	0	22.80	22.92	22.90	23.7
40	P12 BPSK	50	28	23.18	23.26	23.18	24.2
40	P12 BPSK	50	55	22.81	22.83	22.82	
40	P12 BPSK	100	0	22.74	22.90	22.71	23.7
40	QPSK	1	1	23.02	23.31	23.25	
40	QPSK	1	53	23.13	23.24	23.19	24.2
40	QPSK	1	104	23.07	23.19	23.01	
40	QPSK	50	0	22.29	22.37	22.25	
40	QPSK	50	28	23.27	23.29	23.28	24.2
40	QPSK	50	55	22.84	22.30	22.32	
40	QPSK	100	0	22.34	22.35	22.20	23.2
40	16QAM	1	1	22.02	22.21	22.07	23.2
40	64QAM	1	1	20.70	20.77	20.63	21.7
40	256QAM	1	1	18.75	18.79	18.71	18.7
Channel				837668	841668	845668	Tune-up limit (dB)
Frequency (MHz)				3595.02	3624.99	3694.99	up limit
30	QPSK	1	1	22.57	23.28	23.10	24.2
Channel				837234	841668	846000	Tune-up limit (dB)
Frequency (MHz)				3560.01	3624.99	3690	up limit
20	QPSK	1	1	22.06	23.18	23.19	24.2
Channel				837165	841668	846165	Tune-up limit (dB)
Frequency (MHz)				3557.82	3624.99	3692.49	up limit
15	QPSK	1	1	22.96	23.17	23.19	24.2
Channel				837100	841668	846332	Tune-up limit (dB)
Frequency (MHz)				3555	3624.99	3694.98	up limit
10	QPSK	1	1	22.82	23.26	23.10	24.2

PC3 FR1 n77 PartO Ant9 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				850000	856000	862000	
Frequency (MHz)				3750	3840	3930	
100	P12 BPSK	1	1	24.16	24.16	24.28	
100	P12 BPSK	1	137	24.15	24.16	23.96	25.4
100	P12 BPSK	1	271	24.27	24.20	24.30	
100	P12 BPSK	135	0	24.10	24.12	24.01	24.9
100	P12 BPSK	135	69	24.02	24.02	24.14	25.4
100	P12 BPSK	135	138	24.20	24.07	24.18	
100	P12 BPSK	270	0	24.19	24.01	24.15	24.9
100	QPSK	1	1	24.24	24.34	24.29	
100	QPSK	1	137	23.93	23.92	24.06	25.4
100	QPSK	1	271	24.30	24.24	24.25	
100	QPSK	135	0	24.07	24.20	24.15	
100	QPSK	135	69	24.07	24.27	24.07	25.4
100	QPSK	135	138	24.22	24.16	24.16	
100	QPSK	270	0	23.24	23.28	23.18	24.4
100	16QAM	1	1	23.16	23.13	22.98	24.4
100	64QAM	1	1	21.74	21.83	21.71	22.9
100	256QAM	1	1	19.72	19.76	19.72	20.9
Channel				849668	856000	862332	Tune-up limit (dB)
Frequency (MHz)				3745.02	3840	3934.98	up limit
90	QPSK	1	1	24.10	24.32	24.09	25.4
Channel				849334	856000	862666	Tune-up limit (dB)
Frequency (MHz)				3740.01	3840	3939.99	up limit
80	QPSK	1	1	24.20	24.19	24.23	25.4
Channel				849300	856000	863300	Tune-up limit (dB)
Frequency (MHz)				3735	3840	3945	up limit
70	QPSK	1	1	24.05	24.29	24.07	25.4
Channel				848968	856000	863332	Tune-up limit (dB)
Frequency (MHz)				3725.01	3840	3944.99	up limit
60	QPSK	1	1	24.03	24.12	24.21	25.4
Channel				848334	856000	863666	Tune-up limit (dB)
Frequency (MHz)				3720.01	3840	3940	up limit
50	QPSK	1	1	24.12	24.15	24.23	25.4
Channel				848000	856000	864000	Tune-up limit (dB)
Frequency (MHz)				3720	3840	3950	up limit
40	QPSK	1	1	24.22	24.13	24.08	25.4
Channel				847668	856000	864332	Tune-up limit (dB)
Frequency (MHz)				3715.02	3840.00	3944.98	up limit
30	QPSK	1	1	24.11	24.30	24.10	25.4
Channel				847500	856000	864500	Tune-up limit (dB)
Frequency (MHz)				3712.5	3840.00	3957.50	up limit
25	QPSK	1	1	24.12	24.21	24.24	25.4
Channel				847334	856000	864666	Tune-up limit (dB)
Frequency (MHz)				3710.01	3840	3959.99	up limit
20	QPSK	1	1	24.05	24.19	24.21	25.4
Channel				847168	856000	864832	Tune-up limit (dB)
Frequency (MHz)				3707.52	3840	3972.48	up limit
15	QPSK	1	1	24.19	24.20	24.11	25.4
Channel				847000	856000	865000	Tune-up limit (dB)
Frequency (MHz)				3705	3840	3975	up limit
10	QPSK	1	1	24.25	24.18	24.09	25.4

PC2 FR1 n77 PartO Ant9 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				860000	866000	872000	
Frequency (MHz)				3750	3840	3930	
100	P12 BPSK	1	1	27.20	27.23	27.12	
100	P12 BPSK	1	137	27.21	27.16	27.29	28.9
100	P12 BPSK	1	271	27.27	27.32	27.31	
100	P12 BPSK	135	0	26.80	26.81	26.82	28.4
100	P12 BPSK	135	69	27.16	27.14	27.30	28.9
100	P12 BPSK	135	138	26.71	26.91	26.73	
100	P12 BPSK	270	0	26.77	26.75	26.72	28.4
100	QPSK	1	1	27.27	27.33	27.21	
100	QPSK	1	137	27.06	27.13	27.05	28.9
100	QPSK	1	271	27.31	27.38	27.26	
100	QPSK	135	0	27.24	27.25	27.12	
100	QPSK	135	69	27.24	27.28	27.20	28.9
100	QPSK	135	138	27.20	27.27	27.16	
100	QPSK	270	0	26.18	26.23	26.21	27.9
100	16QAM	1	1	26.10	26.02	26.23	27.9
100	64QAM	1	1	24.80	24.85	24.72	26.4
100	256QAM	1	1	22.81	22.80	22.77	24.4
Channel				849668	856000	862332	Tune-up limit (dB)
Frequency (MHz)				3745.02	3840	3934.98	up limit
90	QPSK	1	1	27.14	27.19	27.09	28.9
Channel				849334	856000	862666	Tune-up limit (dB)
Frequency (MHz)				3740.01	3840	3939.99	up limit
80	QPSK	1	1	27.06	27.16	27.07	28.9
Channel				849000	856000	863000	Tune-up limit (dB)
Frequency (MHz)				3735	3840	3945	up limit
70	QPSK	1	1	27.27	27.29	27.04	28.9
Channel				848668	856000	863332	Tune-up limit (dB)
Frequency (MHz)				3730.02	3840	3944.99	up limit
60	QPSK	1	1	27.15	27.32	27.10	28.9
Channel				848334	856000	863666	Tune-up limit (dB)
Frequency (MHz)				3725.01	3840	3944.99	up limit
50	QPSK	1	1	27.29	27.11	27.16	28.9
Channel				848000	856000	864000	Tune-up limit (dB)
Frequency (MHz)				3720	3840	3950	up limit
40	QPSK	1	1	27.05	27.29	27.03	28.9
Channel				847668	856000	864332	Tune-up limit (dB)
Frequency (MHz)				3715.02	3840.00	3944.98	up limit
30	QPSK	1	1	27.23	27.17	27.09	28.9
Channel				847500	856000	864500	Tune-up limit (dB)
Frequency (MHz)				3712.5	3840.00	3957.50	up limit
25	QPSK	1	1	27.19	27.19	27.23	28.9
Channel				847334	856000	864666	Tune-up limit (dB)
Frequency (MHz)				3710.01	3840	3959.99	up limit
20	QPSK	1	1	27.24	27.25	27.17	28.9
Channel				847168	856000	864832	Tune-up limit (dB)
Frequency (MHz)				3707.52	3840	3972.48	up limit
15	QPSK	1	1	27.21	27.17	27.04	28.9
Channel				847000	856000	865000	Tune-up limit (dB)
Frequency (MHz)				3705	3840	3975	up limit
10	QPSK	1	1	27.09	27.17	27.07	28.9

Reduced Power Mode for DSI 1

FR1 n5 Ant0 DSI1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				16800	16730	16760	839				
Frequency (MHz)				834	836.5	839					
20	PI2 BPSK	1	1	25.29	25.29	25.16	25.7	0.0			
20	PI2 BPSK	1	53	25.28	25.27	25.26					
20	PI2 BPSK	1	104	25.13	25.15	25.07					
20	PI2 BPSK	50	0	24.41	24.82	24.54	25.2	0.5			
20	PI2 BPSK	50	28	25.31	25.26	25.07	25.7	0.0			
20	PI2 BPSK	50	56	24.59	24.69	24.77	25.2	0.5			
20	PI2 BPSK	100	0	24.50	24.46	24.71					
20	QPSK	1	1	25.30	25.37	25.28					
20	QPSK	1	53	25.17	25.33	25.07	25.7	0.0			
20	QPSK	1	104	25.19	25.01	24.99					
20	QPSK	50	0	24.00	24.17	23.91	24.7	1.0			
20	QPSK	50	28	24.90	25.35	24.86	25.7	0.0			
20	QPSK	50	56	23.99	24.11	24.06	24.7	1.0			
20	QPSK	100	0	24.27	24.31	24.14					
20	16QAM	1	1	24.14	24.11	24.00	24.7	1.0			
20	64QAM	1	1	22.44	22.68	22.82	23.2	2.5			
20	256QAM	1	1	20.46	20.45	20.58	21.2	4.5			
Channel				169000	167300	169300	844				
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	25.34	25.21	25.16	25.7	0.0			
Channel				169000	167300	169300					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	1	25.30	25.29	25.33	25.7	0.0			
Channel				169000	167300	169300					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	25.15	25.14	25.34	25.7	0.0			

FR1 n12 Ant0 DSI1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				141300	141500	141700					
Frequency (MHz)				709.5	707.5	709.5					
15	PI2 BPSK	1	1	24.41	24.57	24.51	25.5	0.0			
15	PI2 BPSK	1	40	24.38	24.54	24.37					
15	PI2 BPSK	1	77	24.29	24.46	24.25					
15	PI2 BPSK	36	0	23.94	24.05	23.98	25.0	0.5			
15	PI2 BPSK	36	22	24.45	24.44	24.23	25.5	0.0			
15	PI2 BPSK	36	43	23.81	24.02	23.91	25.0	0.5			
15	PI2 BPSK	76	0	24.02	24.04	24.02					
15	QPSK	1	1	24.43	24.63	24.53					
15	QPSK	1	40	24.45	24.54	24.55	25.5	0.0			
15	QPSK	1	77	24.54	24.56	24.52					
15	QPSK	36	0	23.52	23.52	23.41	24.5	1.0			
15	QPSK	36	22	24.57	24.57	24.46	25.5	0.0			
15	QPSK	36	43	23.34	23.53	23.53	24.5	1.0			
15	QPSK	76	0	23.47	23.56	23.44					
15	16QAM	1	1	23.89	23.87	23.85	24.5	1.0			
15	64QAM	1	1	22.02	22.23	22.05	23.0	2.5			
15	256QAM	1	1	19.97	20.09	20.07	21.0	4.5			
Channel				140900	141500	142000					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	1	24.62	24.51	24.56	25.5	0.0			
Channel				140300	141500	142000					
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	1	24.52	24.58	24.57	25.5	0.0			

FR1 n26 Ant0 DSI1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)			
Channel				16400	16500	16760					
Frequency (MHz)				824	831.5	839					
20	PI2 BPSK	1	1	25.20	25.18	25.03	25.7	0.0			
20	PI2 BPSK	1	53	25.15	25.23	25.25					
20	PI2 BPSK	1	104	25.01	25.15	25.19					
20	PI2 BPSK	50	0	24.56	24.67	24.55	25.2	0.5			
20	PI2 BPSK	50	28	25.20	25.13	25.03	25.7	0.0			
20	PI2 BPSK	50	56	24.54	24.67	24.78	25.2	0.5			
20	PI2 BPSK	100	0	24.47	24.59	24.73					
20	QPSK	1	1	25.19	25.26	25.22					
20	QPSK	1	53	25.18	25.24	25.14	25.7	0.0			
20	QPSK	1	104	25.13	24.99	25.04					
20	QPSK	50	0	23.94	24.04	24.04	24.7	1.0			
20	QPSK	50	28	25.03	25.21	25.02	25.7	0.0			
20	QPSK	50	56	24.06	24.15	24.05	24.7	1.0			
20	QPSK	100	0	24.16	24.22	24.17					
20	16QAM	1	1	24.03	24.12	24.06	24.7	1.0			
20	64QAM	1	1	22.59	22.67	22.79	23.2	2.5			
20	256QAM	1	1	20.47	20.37	20.67	21.2	4.5			
Channel				16500	16600	16860					
Frequency (MHz)				831.5	831.5	841.5					
15	QPSK	1	1	25.18	25.18	25.15	25.7	0.0			
Channel				16380	16500	16600					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	1	25.18	25.21	25.14	25.7	0.0			
Channel				16330	16500	16600					
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	1	25.06	25.16	25.21	25.7	0.0			

FR1 n5 Ant1 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PV2 BPSK	1	1	19.26	19.30	19.23			
20	PV2 BPSK	1	53	19.18	19.32	19.14	20.0	0.0	
20	PV2 BPSK	1	104	19.22	19.32	19.16			
20	PV2 BPSK	50	0	19.23	19.32	19.16	20.0	0.0	
20	PV2 BPSK	50	28	19.27	19.23	19.21	20.0	0.0	
20	PV2 BPSK	50	56	19.23	19.30	19.14			
20	PV2 BPSK	100	0	19.17	19.22	19.22			
20	QPSK	1	1	19.29	19.34	19.25			
20	QPSK	1	53	19.26	19.24	19.14	20.0	0.0	
20	QPSK	1	104	19.20	19.28	19.22			
20	QPSK	50	0	19.23	19.21	19.12	20.0	0.0	
20	QPSK	50	28	19.19	19.29	19.19	20.0	0.0	
20	QPSK	50	56	19.16	19.27	19.20	20.0	0.0	
20	QPSK	100	0	19.25	19.26	19.21			
20	16QAM	1	1	19.24	19.21	19.17	20.0	0.0	
20	64QAM	1	1	19.20	19.24	19.11	20.0	0.0	
20	256QAM	1	1	19.20	19.21	19.20	20.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				821.5	836.5	841.5	up limit (dB)		
15	QPSK	1	1	19.20	19.21	19.21	20.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				826	836.5	844	up limit (dB)		
10	QPSK	1	1	19.24	19.22	19.16	20.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	up limit (dB)		
5	QPSK	1	1	19.17	19.26	19.14	20.0	0.0	

FR1 n12 Ant1 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PV2 BPSK	1	1	23.27	23.32	23.17			
15	PV2 BPSK	1	40	23.25	23.28	23.22	24.0	0.0	
15	PV2 BPSK	1	77	23.22	23.31	23.26			
15	PV2 BPSK	36	0	23.22	23.25	23.25	24.0	0.0	
15	PV2 BPSK	36	22	23.26	23.30	23.23	24.0	0.0	
15	PV2 BPSK	36	43	23.18	23.23	23.16			
15	PV2 BPSK	75	0	23.27	23.31	23.20			
15	QPSK	1	1	23.31	23.37	23.29			
15	QPSK	1	40	23.21	23.23	23.25	24.0	0.0	
15	QPSK	1	77	23.18	23.30	23.24			
15	QPSK	36	0	23.20	23.24	23.24	24.0	0.0	
15	QPSK	36	22	23.21	23.34	23.24	24.0	0.0	
15	QPSK	36	43	23.25	23.26	23.15	24.0	0.0	
15	QPSK	75	0	23.19	23.28	23.17			
15	16QAM	1	1	23.24	23.23	23.22	24.0	0.0	
15	64QAM	1	1	21.83	21.86	21.83	22.5	1.5	
15	256QAM	1	1	19.76	19.86	19.78	20.5	3.5	
Channel				140800	141500	142200	Tune-up limit	MPR	
Frequency (MHz)				704	707.5	711	up limit (dB)		
10	QPSK	1	1	23.18	23.31	23.22	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit	MPR	
Frequency (MHz)				701.5	707.5	713.5	up limit (dB)		
5	QPSK	1	1	23.19	23.27	23.15	24.0	0.0	

FR1 n26 Ant1 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
20	PV2 BPSK	1	1	20.21	20.32	20.20			
20	PV2 BPSK	1	53	20.21	20.33	20.26	21.0	0.0	
20	PV2 BPSK	1	104	20.28	20.29	20.19			
20	PV2 BPSK	50	0	20.21	20.36	20.23	21.0	0.0	
20	PV2 BPSK	50	28	20.30	20.31	20.19	21.0	0.0	
20	PV2 BPSK	50	56	20.31	20.34	20.24			
20	PV2 BPSK	100	0	20.21	20.34	20.20			
20	QPSK	1	1	20.33	20.39	20.31			
20	QPSK	1	53	20.26	20.31	20.26	21.0	0.0	
20	QPSK	1	104	20.20	20.33	20.19			
20	QPSK	50	0	20.21	20.26	20.26	21.0	0.0	
20	QPSK	50	28	20.25	20.36	20.21	21.0	0.0	
20	QPSK	50	56	20.22	20.33	20.25	21.0	0.0	
20	QPSK	100	0	20.23	20.29	20.21			
20	16QAM	1	1	20.27	20.26	20.16	21.0	0.0	
20	64QAM	1	1	20.20	20.25	20.16	21.0	0.0	
20	256QAM	1	1	20.27	20.27	20.23	21.0	0.0	
Channel				164300	165300	166300	Tune-up limit	MPR	
Frequency (MHz)				821.5	831.5	841.5	up limit (dB)		
15	QPSK	1	1	20.24	20.25	20.18	21.0	0.0	
Channel				163800	165300	166800	Tune-up limit	MPR	
Frequency (MHz)				819	831.5	844	up limit (dB)		
10	QPSK	1	1	20.25	20.32	20.26	21.0	0.0	
Channel				163300	165300	169300	Tune-up limit	MPR	
Frequency (MHz)				816.5	831.5	846.5	up limit (dB)		
5	QPSK	1	1	20.20	20.29	20.23	21.0	0.0	

FR1 n7 Ant3 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				565000	507000	569000			
Frequency (MHz)				2525	2535	2545			
50	P1/2 BPSK	1	1	24.21	24.29	24.39			
50	P1/2 BPSK	1	135	23.91	23.93	23.88	25.0	0.0	
50	P1/2 BPSK	1	259	24.06	24.07	24.01			
50	P1/2 BPSK	135	0	23.54	23.64	23.56	24.5	0.5	
50	P1/2 BPSK	135	68	23.96	24.11	23.80	25.0	0.0	
50	P1/2 BPSK	135	135	23.12	23.40	23.15			
50	P1/2 BPSK	270	0	23.50	23.66	23.53	24.5	0.5	
50	QPSK	1	1	24.24	24.37	24.31			
50	QPSK	1	135	24.08	24.29	24.24	25.0	0.0	
50	QPSK	1	259	24.03	24.35	24.13			
50	QPSK	135	0	23.05	23.18	23.14	24.0	1.0	
50	QPSK	135	68	24.08	24.14	24.09	25.0	0.0	
50	QPSK	135	135	22.64	22.81	22.76	24.0	1.0	
50	QPSK	270	0	22.85	23.07	23.02			
50	16QAM	1	1	23.00	23.16	23.06	24.0	1.0	
50	64QAM	1	1	21.36	21.59	21.51	22.5	2.5	
50	256QAM	1	1	19.60	19.70	19.81	20.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2520	2535	2550	up limit (dB)		
40	QPSK	1	1	24.11	24.17	24.23	25.0	0.0	
Channel				503500	507000	510500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit (dB)		
35	QPSK	1	1	24.17	24.36	24.13	25.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555	up limit (dB)		
30	QPSK	1	1	24.15	24.22	24.28	25.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit (dB)		
25	QPSK	1	1	24.23	24.31	24.39	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2560	up limit (dB)		
20	QPSK	1	1	24.22	24.30	24.23	25.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit (dB)		
15	QPSK	1	1	24.25	24.29	24.31	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565	up limit (dB)		
10	QPSK	1	1	24.15	24.24	24.29	25.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit (dB)		
5	QPSK	1	1	24.19	24.16	24.30	25.0	0.0	

FR1 n66 Ant3 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P1/2 BPSK	1	1	23.87	24.03	23.93			
45	P1/2 BPSK	1	120	23.84	23.92	23.80	25.0	0.0	
45	P1/2 BPSK	1	240	23.90	24.06	23.85			
45	P1/2 BPSK	120	0	23.33	23.54	23.44	24.5	0.5	
45	P1/2 BPSK	120	60	23.86	23.91	23.70	25.0	0.0	
45	P1/2 BPSK	120	120	23.01	23.19	23.08			
45	P1/2 BPSK	240	0	23.29	23.45	23.30	24.5	0.5	
45	QPSK	1	1	24.14	24.19	24.18			
45	QPSK	1	120	23.97	24.16	24.15	25.0	0.0	
45	QPSK	1	240	23.98	24.14	23.98			
45	QPSK	120	0	22.84	23.03	22.96	24.0	1.0	
45	QPSK	120	60	23.86	23.93	23.86	25.0	0.0	
45	QPSK	120	120	22.90	22.71	22.97	24.0	1.0	
45	QPSK	240	0	22.75	22.87	22.85			
45	16QAM	1	1	22.80	22.95	22.95	24.0	1.0	
45	64QAM	1	1	21.35	21.43	21.30	22.5	2.5	
45	256QAM	1	1	19.51	19.60	19.59	20.5	4.5	
Channel				346000	349000	352000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1730	1745	1760	up limit (dB)		
40	QPSK	1	1	24.00	23.99	24.04	25.0	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)		
35	QPSK	1	1	23.97	24.10	24.01	25.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765	up limit (dB)		
30	QPSK	1	1	24.09	24.13	24.18	25.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)		
25	QPSK	1	1	23.98	24.10	24.16	25.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770	up limit (dB)		
20	QPSK	1	1	24.02	24.00	24.11	25.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)		
15	QPSK	1	1	24.13	24.05	24.17	25.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775	up limit (dB)		
10	QPSK	1	1	23.99	24.12	24.12	25.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)		
5	QPSK	1	1	23.95	24.04	24.17	25.0	0.0	

FR1 n38 Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	PI/2 BPSK	1	1	23.89	23.97	23.88	25.0	0.0	
40	PI/2 BPSK	1	53	23.64	23.71	23.63			
40	PI/2 BPSK	1	104	23.46	23.66	23.54			
40	PI/2 BPSK	50	0	22.90	23.11	22.96	24.5	0.5	
40	PI/2 BPSK	50	28	23.18	23.18	23.16	25.0	0.0	
40	PI/2 BPSK	50	56	23.02	23.18	23.15	24.5	0.5	
40	PI/2 BPSK	100	0	23.31	23.36	23.38			
40	QPSK	1	1	23.95	24.02	23.94			
40	QPSK	1	53	23.67	23.76	23.74	25.0	0.0	
40	QPSK	1	104	23.54	23.69	23.60	25.0	0.0	
40	QPSK	50	0	23.09	23.20	23.15			
40	QPSK	50	28	23.67	23.70	23.53			
40	QPSK	50	56	23.04	23.26	23.32	24.0	1.0	
40	QPSK	100	0	22.64	22.75	22.72			
40	16QAM	1	1	22.72	22.94	22.77			
40	16QAM	1	1	21.42	21.41	21.32	22.5	2.5	
40	256QAM	1	1	19.14	19.32	19.26	20.5	4.5	
Channel				517000	519000	521000	Tune-	MPR	
Frequency (MHz)				2595	2595	2605	up limit	(dB)	
30	QPSK	1	1	23.63	23.67	23.94	25.0	0.0	
Channel				518000	519000	521000	Tune-	MPR	
Frequency (MHz)				2592.5	2595	2607.5	up limit	(dB)	
25	QPSK	1	1	23.52	23.91	23.95	25.0	0.0	
Channel				519000	52000	521000	Tune-	MPR	
Frequency (MHz)				2590	2595	2610	up limit	(dB)	
20	QPSK	1	1	23.83	23.93	23.88	25.0	0.0	
Channel				519000	519000	522000	Tune-	MPR	
Frequency (MHz)				2597.5	2595	2612.5	up limit	(dB)	
15	QPSK	1	1	23.80	23.84	23.85	25.0	0.0	
Channel				515000	519000	523000	Tune-	MPR	
Frequency (MHz)				2595	2595	2615	up limit	(dB)	
10	QPSK	1	1	23.96	23.82	23.75	25.0	0.0	

FR1 n41 Ant3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509000	518996	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	24.08	24.17	24.15	25.0	0.0	
100	PI/2 BPSK	1	137	24.06	24.16	24.19			
100	PI/2 BPSK	1	271	24.07	24.17	24.18			
100	PI/2 BPSK	135	0	23.63	23.86	23.70	24.5	0.5	
100	PI/2 BPSK	135	69	24.12	24.17	24.18	25.0	0.0	
100	PI/2 BPSK	135	138	23.65	23.82	23.71	24.5	0.5	
100	PI/2 BPSK	270	0	23.73	23.79	23.79			
100	QPSK	1	1	24.17	24.32	24.25			
100	QPSK	1	137	24.08	24.21	24.12	25.0	0.0	
100	QPSK	1	271	24.08	24.18	24.10	25.0	0.0	
100	QPSK	135	0	24.11	24.27	24.16			
100	QPSK	135	69	24.03	24.26	24.13			
100	QPSK	135	138	24.12	24.26	24.16	24.0	1.0	
100	QPSK	270	0	23.22	23.35	23.31			
100	16QAM	1	1	23.15	23.33	23.27			
100	16QAM	1	1	21.67	21.67	21.71	22.5	2.5	
100	256QAM	1	1	19.72	19.87	19.77	20.5	4.5	
Channel				506000	518996	528996	Tune-up	MPR	
Frequency (MHz)				2541	2592.99	2644.98	up limit	(dB)	
90	QPSK	1	1	24.09	24.22	24.17	25.0	0.0	
Channel				507000	518996	529996	Tune-up	MPR	
Frequency (MHz)				2536.02	2592.99	2648.98	up limit	(dB)	
80	QPSK	1	1	24.08	24.26	24.20	25.0	0.0	
Channel				504000	518996	531000	Tune-up	MPR	
Frequency (MHz)				2531.01	2592.99	2655	up limit	(dB)	
70	QPSK	1	1	24.02	24.20	24.19	25.0	0.0	
Channel				505000	518996	531996	Tune-up	MPR	
Frequency (MHz)				2526	2592.99	2655.98	up limit	(dB)	
60	QPSK	1	1	24.03	24.25	24.20	25.0	0.0	
Channel				504000	518996	532996	Tune-up	MPR	
Frequency (MHz)				2524.00	2592.99	2644.99	up limit	(dB)	
50	QPSK	1	1	24.03	24.23	24.11	25.0	0.0	
Channel				503000	518996	533496	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2657.48	up limit	(dB)	
45	QPSK	1	1	24.05	24.22	24.15	25.0	0.0	
Channel				502000	518996	534000	Tune-up	MPR	
Frequency (MHz)				2516.01	2592.99	2670	up limit	(dB)	
40	QPSK	1	1	24.02	24.20	24.16	25.0	0.0	
Channel				502000	518996	534496	Tune-up	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48	up limit	(dB)	
35	QPSK	1	1	24.05	24.19	24.19	25.0	0.0	
Channel				502000	518996	534996	Tune-up	MPR	
Frequency (MHz)				2511	2592.99	2674.98	up limit	(dB)	
30	QPSK	1	1	24.03	24.20	24.15	25.0	0.0	
Channel				501000	518996	535500	Tune-up	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	up limit	(dB)	
25	QPSK	1	1	24.09	24.27	24.17	25.0	0.0	
Channel				501000	518996	535996	Tune-up	MPR	
Frequency (MHz)				2506.00	2592.99	2690.99	up limit	(dB)	
20	QPSK	1	1	24.05	24.24	24.14	25.0	0.0	
Channel				500700	518996	536496	Tune-up	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	up limit	(dB)	
15	QPSK	1	1	24.02	24.23	24.14	25.0	0.0	
Channel				500000	518996	537000	Tune-up	MPR	
Frequency (MHz)				2501.01	2592.99	2685	up limit	(dB)	
10	QPSK	1	1	24.12	24.19	24.16	25.0	0.0	

FR1 n2 Ant4 DSI 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	17.36	17.38	17.38	
40	P12 BPSK	1	108	17.35	17.43	17.41	18.0
40	P12 BPSK	1	214	17.38	17.45	17.40	
40	P12 BPSK	108	0	17.36	17.43	17.35	18.0
40	P12 BPSK	108	54	17.39	17.43	17.38	18.0
40	P12 BPSK	108	108	17.39	17.39	17.31	-18.0
40	P12 BPSK	216	0	17.39	17.40	17.33	18.0
40	QPSK	1	1	17.47	17.50	17.44	
40	QPSK	1	108	17.40	17.39	17.40	18.0
40	QPSK	1	214	17.41	17.38	17.37	
40	QPSK	108	0	17.35	17.40	17.31	18.0
40	QPSK	108	54	17.42	17.45	17.38	18.0
40	QPSK	108	108	17.41	17.37	17.37	-18.0
40	QPSK	216	0	17.39	17.43	17.42	18.0
40	16QAM	1	1	17.36	17.39	17.40	18.0
40	64QAM	1	1	17.37	17.37	17.35	18.0
40	256QAM	1	1	17.43	17.38	17.39	18.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	17.33	17.36	17.31	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	17.44	17.37	17.31	18.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	17.43	17.47	17.36	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	17.42	17.48	17.39	18.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	17.41	17.37	17.31	18.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	17.35	17.40	17.42	18.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	17.40	17.46	17.31	18.0

FR1 n7 Ant4 DSI 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
50	P12 BPSK	1	1	15.89	15.96	15.94	
50	P12 BPSK	1	135	15.85	15.94	15.95	16.2
50	P12 BPSK	1	269	15.86	15.95	15.89	
50	P12 BPSK	135	0	15.93	15.91	15.95	16.2
50	P12 BPSK	135	68	15.90	15.98	15.88	16.2
50	P12 BPSK	135	135	15.93	15.96	15.98	16.2
50	P12 BPSK	270	0	15.96	15.94	15.99	16.2
50	QPSK	1	1	15.96	16.04	16.01	
50	QPSK	1	135	15.88	15.98	15.94	16.2
50	QPSK	1	269	15.94	15.98	15.91	
50	QPSK	135	0	15.90	15.92	15.93	16.2
50	QPSK	135	68	15.87	16.02	15.92	16.2
50	QPSK	135	135	15.89	16.00	15.97	16.2
50	QPSK	270	0	15.89	15.98	15.89	16.2
50	16QAM	1	1	15.95	15.92	15.89	16.2
50	64QAM	1	1	15.93	15.95	15.95	16.2
50	256QAM	1	1	15.91	15.94	15.94	16.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.93	15.97	15.97	16.2
Channel							
Frequency (MHz)							
35	QPSK	1	1	15.85	16.00	15.88	16.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.86	15.92	15.93	16.2
Channel							
Frequency (MHz)							
25	QPSK	1	1	15.86	15.95	15.90	16.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.93	15.98	15.95	16.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	15.91	15.97	15.89	16.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.85	15.99	15.90	16.2
Channel							
Frequency (MHz)							
5	QPSK	1	1	15.84	15.98	15.96	16.2

FR1 n25 Ant4 DSI 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	18.24	18.42	18.16	
40	P12 BPSK	1	108	18.23	18.38	18.21	19.0
40	P12 BPSK	1	214	18.28	18.31	18.17	
40	P12 BPSK	108	0	18.27	18.40	18.18	19.0
40	P12 BPSK	108	54	18.24	18.40	18.21	19.0
40	P12 BPSK	108	108	18.31	18.34	18.18	19.0
40	P12 BPSK	216	0	18.24	18.38	18.16	19.0
40	QPSK	1	1	18.35	18.45	18.28	
40	QPSK	1	108	18.24	18.34	18.12	19.0
40	QPSK	1	214	18.24	18.40	18.17	
40	QPSK	108	0	18.28	18.35	18.22	19.0
40	QPSK	108	54	18.25	18.43	18.14	19.0
40	QPSK	108	108	18.31	18.38	18.19	19.0
40	QPSK	216	0	18.32	18.42	18.12	19.0
40	16QAM	1	1	18.33	18.39	18.19	19.0
40	64QAM	1	1	18.22	18.32	18.24	19.0
40	256QAM	1	1	18.22	18.39	18.15	19.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	18.27	18.33	18.15	19.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.30	18.35	18.16	19.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	18.26	18.39	18.17	19.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.30	18.42	18.12	19.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.30	18.33	18.12	19.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.28	18.37	18.15	19.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	18.26	18.35	18.20	19.0

FR1 n66 Ant4 DSI 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel				346500	349000	351500	18.5
Frequency (MHz)				1732.5	1745	1757.5	
45	PB2 BPSK	1	1	17.82	17.97	17.87	18.5
45	PB2 BPSK	1	120	17.81	17.97	17.87	
45	PB2 BPSK	1	240	17.82	17.91	17.85	18.5
45	PB2 BPSK	120	0	17.87	17.89	17.88	
45	PB2 BPSK	120	60	17.85	17.89	17.94	18.5
45	PB2 BPSK	120	120	17.89	17.99	17.97	
45	PB2 BPSK	240	0	17.89	17.95	17.94	18.5
45	QPSK	1	1	17.94	18.02	17.99	
45	QPSK	1	120	17.90	17.91	17.88	18.5
45	QPSK	1	240	17.85	17.88	17.86	
45	QPSK	120	0	17.86	17.98	17.86	18.5
45	QPSK	120	60	17.88	17.99	17.95	
45	QPSK	120	120	17.81	17.91	17.93	18.5
45	QPSK	240	0	17.90	17.97	17.96	
45	16QAM	1	1	17.82	17.92	17.92	18.5
45	64QAM	1	1	17.81	17.95	17.92	
45	256QAM	1	1	17.85	17.93	17.94	18.5
Channel				346000	349000	352000	Tune- MPR
Frequency (MHz)				1730	1745	1760	up limit (dB)
40	QPSK	1	1	17.64	17.94	17.85	18.5
Channel				345500	349000	352500	Tune- MPR
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)
35	QPSK	1	1	17.60	17.94	17.94	18.5
Channel				345000	349000	353000	Tune- MPR
Frequency (MHz)				1725	1745	1765	up limit (dB)
30	QPSK	1	1	17.91	17.92	17.89	18.5
Channel				344500	349000	353500	Tune- MPR
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)
25	QPSK	1	1	17.89	17.98	17.93	18.5
Channel				344000	349000	354000	Tune- MPR
Frequency (MHz)				1720	1745	1770	up limit (dB)
20	QPSK	1	1	17.80	17.91	17.89	18.5
Channel				343500	349000	354500	Tune- MPR
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)
15	QPSK	1	1	17.50	17.98	17.57	18.5
Channel				343000	349000	355000	Tune- MPR
Frequency (MHz)				1715	1745	1775	up limit (dB)
10	QPSK	1	1	17.64	17.91	17.88	18.5
Channel				342500	349000	355500	Tune- MPR
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)
5	QPSK	1	1	17.81	17.94	17.91	18.5

FR1 n2 Ant5 DSI 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)				1870	1880	1890	
40	P12 BPSK	1	1	18.07	18.11	18.13	
40	P12 BPSK	1	108	18.12	18.15	18.13	18.8
40	P12 BPSK	1	214	18.16	18.12	18.14	
40	P12 BPSK	108	0	18.11	18.19	18.08	18.8
40	P12 BPSK	108	54	18.14	18.22	18.13	18.8
40	P12 BPSK	108	108	18.15	18.14	18.15	
40	P12 BPSK	216	0	18.11	18.16	18.14	18.8
40	QPSK	1	1	18.14	18.25		
40	QPSK	1	108	18.17	18.18	18.12	18.8
40	QPSK	1	214	18.15	18.13	18.17	
40	QPSK	108	0	18.12	18.20	18.15	18.8
40	QPSK	108	54	18.06	18.21	18.09	18.8
40	QPSK	108	108	18.07	18.12	18.12	
40	QPSK	216	0	18.05	18.16	18.08	18.8
40	16QAM	1	1	18.17	18.18	18.19	18.8
40	64QAM	1	1	18.07	18.12	18.14	18.8
40	256QAM	1	1	18.13	18.14	18.15	18.8
Channel							
Frequency (MHz)				373500	376000	378500	Tune-up limit (dB)
35	QPSK	1	1	18.79	18.07	18.03	18.8
Channel							
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	17.99	18.01	18.08	18.8
Channel							
Frequency (MHz)				1862.5	1880	1897.5	Tune-up limit (dB)
25	QPSK	1	1	18.04	18.03	18.07	18.8
Channel							
Frequency (MHz)				371500	376000	380500	Tune-up limit (dB)
20	QPSK	1	1	17.98	18.05	18.05	18.8
Channel							
Frequency (MHz)				1872.5	1880	1892.5	Tune-up limit (dB)
15	QPSK	1	1	18.07	18.03	18.12	18.8
Channel							
Frequency (MHz)				371000	376000	381000	Tune-up limit (dB)
10	QPSK	1	1	18.00	18.02	18.10	18.8
Channel							
Frequency (MHz)				370500	376000	381500	Tune-up limit (dB)
5	QPSK	1	1	18.01	18.04	18.11	18.8

FR1 n7 Ant5 DSI 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)				2525	2535	2545	
50	P12 BPSK	1	1	20.42	20.99	20.63	
50	P12 BPSK	1	135	20.42	20.98	20.62	21.1
50	P12 BPSK	1	269	20.50	20.58	20.57	
50	P12 BPSK	135	0	20.40	20.63	20.61	21.1
50	P12 BPSK	135	68	20.38	20.55	20.57	21.1
50	P12 BPSK	135	135	20.49	20.54	20.58	
50	P12 BPSK	270	0	20.42	20.65	20.54	21.1
50	QPSK	1	1	20.42	20.72	20.53	
50	QPSK	1	135	20.54	20.58	20.62	21.1
50	QPSK	1	269	20.44	20.62	20.66	
50	QPSK	135	0	20.42	20.55	20.63	21.1
50	QPSK	135	68	20.41	20.68	20.63	21.1
50	QPSK	135	135	20.53	20.55	20.63	
50	QPSK	270	0	20.44	20.66	20.63	21.1
50	16QAM	1	1	20.40	20.62	20.56	21.1
50	64QAM	1	1	20.49	20.63	20.55	21.1
50	256QAM	1	1	20.55	20.48	20.45	21.1
Channel							
Frequency (MHz)				504000	507000	510000	Tune-up limit (dB)
40	QPSK	1	1	20.37	20.58	20.47	21.1
Channel							
Frequency (MHz)				2517.5	2535	2552.5	Tune-up limit (dB)
35	QPSK	1	1	20.33	20.68	20.45	21.1
Channel							
Frequency (MHz)				2515	2535	2555	Tune-up limit (dB)
30	QPSK	1	1	20.31	20.71	20.50	21.1
Channel							
Frequency (MHz)				502500	507000	511500	Tune-up limit (dB)
25	QPSK	1	1	20.40	20.65	20.46	21.1
Channel							
Frequency (MHz)				502000	507000	512000	Tune-up limit (dB)
20	QPSK	1	1	20.32	20.66	20.47	21.1
Channel							
Frequency (MHz)				501500	507000	512500	Tune-up limit (dB)
15	QPSK	1	1	20.40	20.69	20.47	21.1
Channel							
Frequency (MHz)				501000	507000	513000	Tune-up limit (dB)
10	QPSK	1	1	20.31	20.64	20.42	21.1
Channel							
Frequency (MHz)				500500	507000	513500	Tune-up limit (dB)
5	QPSK	1	1	20.31	20.66	20.44	21.1

FR1 n25 Ant5 DSI 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)				1870	1882.5	1895	
40	P12 BPSK	1	1	16.23	16.33	16.30	
40	P12 BPSK	1	108	16.27	16.40	16.29	16.8
40	P12 BPSK	1	214	16.25	16.30	16.28	
40	P12 BPSK	108	0	16.20	16.35	16.26	16.8
40	P12 BPSK	108	54	16.23	16.35	16.33	16.8
40	P12 BPSK	108	108	16.25	16.34	16.35	
40	P12 BPSK	216	0	16.24	16.29	16.37	16.8
40	QPSK	1	1	16.22	16.41	16.31	
40	QPSK	1	108	16.24	16.34	16.34	16.8
40	QPSK	1	214	16.31	16.34	16.26	
40	QPSK	108	0	16.19	16.30	16.26	16.8
40	QPSK	108	54	16.29	16.38	16.31	16.8
40	QPSK	108	108	16.31	16.33	16.26	
40	QPSK	216	0	16.30	16.36	16.35	16.8
40	16QAM	1	1	16.30	16.28	16.35	16.8
40	64QAM	1	1	16.22	16.38	16.32	16.8
40	256QAM	1	1	16.22	16.33	16.30	16.8
Channel							
Frequency (MHz)				373500	376500	379500	Tune-up limit (dB)
35	QPSK	1	1	16.17	16.17	16.16	16.8
Channel							
Frequency (MHz)				1865	1882.5	1900	Tune-up limit (dB)
30	QPSK	1	1	16.12	16.28	16.23	16.8
Channel							
Frequency (MHz)				1862.5	1882.5	1892.5	Tune-up limit (dB)
25	QPSK	1	1	16.17	16.17	16.17	16.8
Channel							
Frequency (MHz)				372000	376500	381000	Tune-up limit (dB)
20	QPSK	1	1	16.17	16.19	16.17	16.8
Channel							
Frequency (MHz)				371500	376500	381500	Tune-up limit (dB)
15	QPSK	1	1	16.11	16.26	16.20	16.8
Channel							
Frequency (MHz)				371000	376500	382000	Tune-up limit (dB)
10	QPSK	1	1	16.13	16.25	16.20	16.8
Channel							
Frequency (MHz)				370500	376500	382500	Tune-up limit (dB)
5	QPSK	1	1	16.12	16.24	16.27	16.8

FR1 n66 Ant5 DSI 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	351900	
Frequency (MHz)				1732.5	1745	1757.5	
45	P12 BPSK	1	1	18.85	19.08	18.99	
45	P12 BPSK	1	120	18.87	19.13	19.01	19.9
45	P12 BPSK	1	240	18.95	19.08	18.99	
45	P12 BPSK	120	0	18.88	19.11	18.99	19.9
45	P12 BPSK	120	60	18.93	19.03	18.98	19.9
45	P12 BPSK	120	120	18.85	19.04	19.03	
45	P12 BPSK	240	0	18.93	19.11	18.99	19.9
45	QPSK	1	1	18.86	19.16	18.99	
45	QPSK	1	120	18.91	19.05	18.94	19.9
45	QPSK	1	240	18.85	19.06	19.01	
45	QPSK	120	0	18.94	19.10	18.98	19.9
45	QPSK	120	60	18.93	19.11	18.99	19.9
45	QPSK	120	120	18.89	19.08	19.02	
45	QPSK	240	0	18.85	19.11	18.97	19.9
45	16QAM	1	1	18.83	19.02	18.93	19.9
45	64QAM	1	1	18.84	19.02	19.03	19.9
45	256QAM	1	1	18.87	19.12	18.96	19.9
Channel				346000	349000	352000	Tune- MPR
Frequency (MHz)				1730	1745	1760	up limit (dB)
40	QPSK	1	1	18.81	19.00	18.88	19.3
Channel				345000	349000	352000	Tune- MPR
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)
35	QPSK	1	1	18.77	19.06	18.92	19.9
Channel				345000	349000	353000	Tune- MPR
Frequency (MHz)				1725	1745	1765	up limit (dB)
30	QPSK	1	1	18.72	19.09	18.84	19.9
Channel				344000	349000	353000	Tune- MPR
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)
25	QPSK	1	1	18.60	19.09	18.89	19.9
Channel				344000	349000	354000	Tune- MPR
Frequency (MHz)				1720	1745	1770	up limit (dB)
20	QPSK	1	1	18.78	19.02	18.84	19.9
Channel				343000	349000	354000	Tune- MPR
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)
15	QPSK	1	1	18.71	19.06	18.91	19.9
Channel				343000	349000	355000	Tune- MPR
Frequency (MHz)				1715	1745	1775	up limit (dB)
10	QPSK	1	1	18.74	19.07	18.89	19.9
Channel				342000	349000	355000	Tune- MPR
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)
5	QPSK	1	1	18.76	19.04	18.92	19.9

FR1 n7 Ant6 DSI 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				565000	507000	569000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	15.30	15.41	15.41			
50	P12 BPSK	1	135	15.29	15.40	15.45	16.1	0.0	
50	P12 BPSK	1	269	15.39	15.43	15.42			
50	P12 BPSK	135	0	15.36	15.47	15.44	16.1	0.0	
50	P12 BPSK	135	68	15.27	15.37	15.36	16.1	0.0	
50	P12 BPSK	135	135	15.31	15.42	15.37	16.1	0.0	
50	P12 BPSK	270	0	15.29	15.37	15.38	16.1	0.0	
50	QPSK	1	1	15.34	15.45	15.40			
50	QPSK	1	135	15.31	15.46	15.40	16.1	0.0	
50	QPSK	1	269	15.28	15.40	15.38			
50	QPSK	135	0	15.29	15.37	15.45	16.1	0.0	
50	QPSK	135	68	15.34	15.47	15.41	16.1	0.0	
50	QPSK	135	135	15.28	15.46	15.40	16.1	0.0	
50	QPSK	270	0	15.37	15.44	15.38	16.1	0.0	
50	16QAM	1	1	15.39	15.40	15.41	16.1	0.0	
50	84QAM	1	1	15.32	15.43	15.45	16.1	0.0	
50	256QAM	1	1	15.35	15.45	15.37	16.1	0.0	
Channel				504000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2520	2535	2550	up limit	(dB)	
40	QPSK	1	1	15.20	15.29	15.34	15.1	0.0	
Channel				503000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit	(dB)	
35	QPSK	1	1	15.29	15.30	15.30	16.1	0.0	
Channel				503000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555	up limit	(dB)	
30	QPSK	1	1	15.18	15.31	15.31	16.1	0.0	
Channel				502000	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit	(dB)	
25	QPSK	1	1	15.27	15.34	15.32	16.1	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2560	up limit	(dB)	
20	QPSK	1	1	15.21	15.29	15.29	16.1	0.0	
Channel				501000	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit	(dB)	
15	QPSK	1	1	15.23	15.30	15.33	16.1	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565	up limit	(dB)	
10	QPSK	1	1	15.23	15.39	15.34	16.1	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit	(dB)	
5	QPSK	1	1	15.27	15.29	15.32	16.1	0.0	

FR1 n66 Ant6 DSI 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				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P12 BPSK	1	1	17.03	17.12	16.96			
45	P12 BPSK	1	120	17.10	17.13	16.95	17.9	0.0	
45	P12 BPSK	1	240	17.01	17.05	17.05			
45	P12 BPSK	120	0	17.09	17.13	17.03	17.9	0.0	
45	P12 BPSK	120	60	17.07	17.03	16.96	17.9	0.0	
45	P12 BPSK	120	120	17.06	17.07	17.04	17.9	0.0	
45	P12 BPSK	240	0	17.10	17.06	17.04	17.9	0.0	
45	QPSK	1	1	17.06	17.15	17.00			
45	QPSK	1	120	17.06	17.05	17.04	17.9	0.0	
45	QPSK	1	240	17.06	17.08	17.02			
45	QPSK	120	0	16.99	17.07	17.00	17.9	0.0	
45	QPSK	120	60	17.01	17.12	16.96	17.9	0.0	
45	QPSK	120	120	17.09	17.03	16.97	17.9	0.0	
45	QPSK	240	0	17.10	17.11	16.95	17.9	0.0	
45	16QAM	1	1	17.00	17.13	17.01	17.9	0.0	
45	84QAM	1	1	17.11	17.04	17.00	17.9	0.0	
45	256QAM	1	1	17.05	17.07	16.99	17.9	0.0	
Channel				346000	349000	352000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1730	1745	1760	up limit	(dB)	
40	QPSK	1	1	16.93	16.38	16.96	17.9	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	up limit	(dB)	
35	QPSK	1	1	16.98	17.02	16.88	17.9	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765	up limit	(dB)	
30	QPSK	1	1	16.95	16.98	16.94	17.9	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	up limit	(dB)	
25	QPSK	1	1	17.00	16.94	16.95	17.9	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770	up limit	(dB)	
20	QPSK	1	1	17.02	16.99	16.91	17.9	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	up limit	(dB)	
15	QPSK	1	1	16.92	16.94	16.94	17.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775	up limit	(dB)	
10	QPSK	1	1	16.96	17.01	16.96	17.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	up limit	(dB)	
5	QPSK	1	1	16.94	16.95	16.94	17.9	0.0	

FR1 n38 Ant6 DSI 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				2590	2595	2600	
Frequency (MHz)				14.41	14.49	14.54	
40	P12 BPSK	1	1	14.41	14.49	14.54	
40	P12 BPSK	1	33	14.39	14.51	14.44	15.8
40	P12 BPSK	1	104	14.39	14.57	14.54	
40	P12 BPSK	50	0	14.48	14.51	14.51	15.8
40	P12 BPSK	50	28	14.37	14.55	14.49	15.8
40	P12 BPSK	50	56	14.40	14.53	14.50	15.8
40	P12 BPSK	100	0	14.48	14.47	14.55	15.8
40	QPSK	1	1	14.44	14.58	14.43	
40	QPSK	1	53	14.46	14.54	14.44	15.8
40	QPSK	1	104	14.45	14.53	14.48	
40	QPSK	50	0	14.41	14.57	14.50	
40	QPSK	50	28	14.43	14.53	14.53	15.8
40	QPSK	50	56	14.39	14.49	14.44	
40	QPSK	100	0	14.44	14.52	14.51	15.8
40	16QAM	1	1	14.40	14.47	14.56	15.8
40	8QAM	1	1	14.41	14.57	14.48	15.8
40	256QAM	1	1	14.43	14.55	14.55	15.8
Channel				517000	519000	521000	Tune-up limit (dB)
Frequency (MHz)				2595	2595	2605	
30	QPSK	1	1	14.32	14.47	14.33	15.8
Channel				516000	519000	521000	Tune-up limit (dB)
Frequency (MHz)				2582.5	2595	2607.5	
25	QPSK	1	1	14.32	14.50	14.38	15.8
Channel				515000	519000	522000	Tune-up limit (dB)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	14.29	14.51	14.37	15.8
Channel				515000	519000	522000	Tune-up limit (dB)
Frequency (MHz)				2572.5	2595	2612.5	
15	QPSK	1	1	14.29	14.52	14.36	15.8
Channel				515000	519000	523000	Tune-up limit (dB)
Frequency (MHz)				2571	2595	2618	
10	QPSK	1	1	14.30	14.47	14.33	15.8

FR1 n41 Ant6 DSI 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				50202	51899	53000	
Frequency (MHz)				2546.01	2592.99	2640	
100	P12 BPSK	1	1	14.62	14.78	14.62	
100	P12 BPSK	1	137	14.59	14.81	14.66	15.7
100	P12 BPSK	1	271	14.62	14.75	14.71	
100	P12 BPSK	136	0	14.69	14.76	14.73	15.7
100	P12 BPSK	136	69	14.65	14.77	14.68	15.7
100	P12 BPSK	136	138	14.59	14.82	14.73	15.7
100	P12 BPSK	270	0	14.69	14.84	14.69	15.7
100	QPSK	1	1	14.58	14.86	14.67	
100	QPSK	1	137	14.59	14.75	14.73	15.7
100	QPSK	1	271	14.68	14.72	14.69	
100	QPSK	136	0	14.62	14.74	14.69	
100	QPSK	136	69	14.63	14.82	14.70	15.7
100	QPSK	136	138	14.63	14.81	14.64	
100	QPSK	270	0	14.62	14.81	14.69	15.7
100	16QAM	1	1	14.64	14.81	14.68	15.7
100	8QAM	1	1	14.57	14.81	14.73	15.7
100	256QAM	1	1	14.67	14.83	14.69	15.7
Channel				508200	518998	530996	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.98	
80	QPSK	1	1	14.42	14.59	14.57	15.7
Channel				507204	518998	530998	Tune-up limit (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	14.53	14.68	14.54	15.7
Channel				506202	518998	531000	Tune-up limit (dB)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	14.52	14.60	14.56	15.7
Channel				505200	518998	531996	Tune-up limit (dB)
Frequency (MHz)				2526	2592.99	2669.98	
60	QPSK	1	1	14.52	14.59	14.52	15.7
Channel				504204	518998	532998	Tune-up limit (dB)
Frequency (MHz)				2521.02	2592.99	2674.99	
50	QPSK	1	1	14.54	14.65	14.51	15.7
Channel				503700	518998	533496	Tune-up limit (dB)
Frequency (MHz)				2516.15	2592.99	2679.48	
45	QPSK	1	1	14.48	14.77	14.51	15.7
Channel				503202	518998	534000	Tune-up limit (dB)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	14.40	14.63	14.55	15.7
Channel				502704	518998	534498	Tune-up limit (dB)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	14.50	14.79	14.62	15.7
Channel				502200	518998	535000	Tune-up limit (dB)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	14.43	14.57	14.62	15.7
Channel				501702	518998	535500	Tune-up limit (dB)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	14.44	14.67	14.53	15.7
Channel				501204	518998	535998	Tune-up limit (dB)
Frequency (MHz)				2506.00	2592.99	2679.99	
20	QPSK	1	1	14.53	14.65	14.61	15.7
Channel				500700	518998	536496	Tune-up limit (dB)
Frequency (MHz)				2503.15	2592.99	2682.48	
15	QPSK	1	1	14.51	14.58	14.54	15.7
Channel				500202	518998	537000	Tune-up limit (dB)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	14.45	14.57	14.52	15.7

FR1 n48 Ant8 DSI 1						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq
Channel				3570	3624.99	3679.98
Frequency (MHz)				3570	3624.99	3679.98
40	P12 BPSK	1	1	14.56	14.49	14.45
40	P12 BPSK	1	83	14.45	14.60	14.49
40	P12 BPSK	1	104	14.47	14.58	14.50
40	P12 BPSK	50	0	14.57	14.50	14.50
40	P12 BPSK	50	28	14.48	14.48	14.48
40	P12 BPSK	50	55	14.59	14.55	14.47
40	P12 BPSK	100	0	14.48	14.48	14.50
40	QPSK	1	1	14.56	14.63	14.43
40	QPSK	1	53	14.52	14.52	14.47
40	QPSK	1	104	14.55	14.60	14.53
40	QPSK	50	0	14.54	14.55	14.51
40	QPSK	50	28	14.51	14.56	14.52
40	QPSK	50	55	14.48	14.59	14.54
40	QPSK	100	0	14.47	14.54	14.48
40	16QAM	1	1	14.56	14.49	14.48
40	16QAM	1	1	14.55	14.59	14.48
40	256QAM	1	1	14.55	14.52	14.52
Channel				637668	641666	645666
Frequency (MHz)				3555.02	3624.99	3694.99
30	QPSK	1	1	14.43	14.45	14.33
Channel				637234	641666	646000
Frequency (MHz)				3560.01	3624.99	3690
20	QPSK	1	1	14.49	14.48	14.35
Channel				637165	641666	645666
Frequency (MHz)				3557.82	3624.99	3692.49
15	QPSK	1	1	14.50	14.43	14.32
Channel				637090	641666	646332
Frequency (MHz)				3555	3624.99	3694.98
10	QPSK	1	1	14.49	14.37	15.2

PC3 FR1 n77 PartO Ant8 DSI 1						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	P12 BPSK	1	1	16.06	16.12	16.00
100	P12 BPSK	1	137	16.05	16.09	16.03
100	P12 BPSK	1	271	16.02	16.12	16.07
100	P12 BPSK	135	0	15.98	16.13	16.00
100	P12 BPSK	135	69	16.08	16.07	16.03
100	P12 BPSK	135	138	15.98	16.10	15.98
100	P12 BPSK	270	0	16.03	16.09	16.11
100	QPSK	1	1	16.06	16.15	16.05
100	QPSK	1	137	15.97	16.06	16.05
100	QPSK	1	271	16.08	16.05	16.08
100	QPSK	135	0	15.97	16.12	16.09
100	QPSK	135	69	16.04	16.13	16.03
100	QPSK	135	138	16.06	16.04	16.07
100	QPSK	270	0	16.07	16.14	16.07
100	16QAM	1	1	16.06	16.14	16.06
100	16QAM	1	1	16.02	16.06	16.05
100	256QAM	1	1	16.02	16.08	16.05
Channel				649668	656000	662332
Frequency (MHz)				3745.02	3840	3934.98
90	QPSK	1	1	15.91	16.04	15.89
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	QPSK	1	1	15.95	16.00	15.99
Channel				649200	656000	662500
Frequency (MHz)				3735	3840	3945
70	QPSK	1	1	15.96	16.03	15.97
Channel				648968	656000	663332
Frequency (MHz)				3730.01	3840	3949.99
60	QPSK	1	1	16.02	16.02	15.93
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	QPSK	1	1	16.01	16.07	16.00
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3959
40	QPSK	1	1	15.99	15.99	15.91
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840.00	3954.98
30	QPSK	1	1	15.93	16.05	15.90
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840.00	3957.50
25	QPSK	1	1	15.96	15.98	15.86
Channel				647234	656000	664666
Frequency (MHz)				3710.01	3840	3959.99
20	QPSK	1	1	15.95	16.02	15.96
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	QPSK	1	1	15.97	16.06	15.91
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	QPSK	1	1	16.02	16.00	15.92

PC2 FR1 n77 PartO Ant8 DSI 1						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq
Channel				660000	666000	672000
Frequency (MHz)				3750	3840	3930
100	P12 BPSK	1	1	19.05	19.13	19.00
100	P12 BPSK	1	137	19.04	19.14	19.07
100	P12 BPSK	1	271	19.00	19.17	19.04
100	P12 BPSK	135	0	18.96	19.11	18.97
100	P12 BPSK	135	69	19.13	19.06	18.99
100	P12 BPSK	135	138	18.97	19.06	19.01
100	P12 BPSK	270	0	19.04	19.14	19.14
100	QPSK	1	1	19.10	19.18	18.99
100	QPSK	1	137	18.95	19.09	19.05
100	QPSK	1	271	19.01	19.09	19.05
100	QPSK	135	0	19.02	19.13	19.04
100	QPSK	135	69	19.04	19.14	19.02
100	QPSK	135	138	19.10	19.10	19.13
100	QPSK	270	0	19.02	19.09	19.04
100	16QAM	1	1	19.02	19.08	19.04
100	16QAM	1	1	19.07	19.02	19.05
100	256QAM	1	1	19.08	19.10	19.02
Channel				649668	656000	662332
Frequency (MHz)				3745.02	3840	3934.98
90	QPSK	1	1	18.99	19.06	18.89
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	QPSK	1	1	19.03	19.04	18.88
Channel				649200	656000	662500
Frequency (MHz)				3735	3840	3945
70	QPSK	1	1	18.95	19.03	18.84
Channel				648968	656000	663332
Frequency (MHz)				3730.01	3840	3949.99
60	QPSK	1	1	19.00	19.01	18.91
Channel				648334	656000	663666
Frequency (MHz)				3725.01	3840	3954.99
50	QPSK	1	1	19.03	18.98	18.87
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3959
40	QPSK	1	1	18.98	19.00	18.85
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840.00	3954.98
30	QPSK	1	1	19.05	19.03	18.91
Channel				647500	656000	664500
Frequency (MHz)				3712.5	3840.00	3957.50
25	QPSK	1	1	19.05	19.02	18.86
Channel				647234	656000	664666
Frequency (MHz)				3710.01	3840	3959.99
20	QPSK	1	1	19.01	19.01	18.89
Channel				647168	656000	664832
Frequency (MHz)				3707.52	3840	3972.48
15	QPSK	1	1	19.06	19.02	18.91
Channel				647000	656000	665000
Frequency (MHz)				3705	3840	3975
10	QPSK	1	1	19.00	18.95	18.88

FR1 n48 Ant9 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				3570	3624.99	3679.98	
Frequency (MHz)				838000	841666	845332	
40	PI2 BPSK	1	1	23.10	23.20	23.17	
40	PI2 BPSK	1	83	23.23	23.21	23.22	24.2
40	PI2 BPSK	1	104	23.22	23.25	23.13	
40	PI2 BPSK	50	0	22.80	22.92	22.90	23.7
40	PI2 BPSK	50	28	23.18	23.26	23.18	24.2
40	PI2 BPSK	50	55	22.81	22.83	22.82	
40	PI2 BPSK	100	0	22.74	22.90	22.71	23.7
40	QPSK	1	1	23.02	23.31	23.25	
40	QPSK	1	53	23.13	23.24	23.19	24.2
40	QPSK	1	104	23.07	23.19	23.01	
40	QPSK	50	0	22.29	22.37	22.25	
40	QPSK	50	28	23.27	23.29	23.28	24.2
40	QPSK	50	55	22.84	22.30	22.32	
40	QPSK	100	0	22.34	22.35	22.20	23.2
40	16QAM	1	1	22.02	22.21	22.07	23.2
40	64QAM	1	1	20.70	20.77	20.63	21.7
40	256QAM	1	1	18.75	18.79	18.71	18.7
Channel				837668	841668	845668	
Frequency (MHz)				3595.02	3624.99	3694.99	up limit
30	QPSK	1	1	22.57	23.28	23.10	24.2
Channel				837234	841668	846000	
Frequency (MHz)				3560.01	3624.99	3690	up limit
20	QPSK	1	1	22.06	23.18	23.19	24.2
Channel				837165	841668	846165	
Frequency (MHz)				3557.82	3624.99	3692.49	up limit
15	QPSK	1	1	22.96	23.17	23.19	24.2
Channel				837090	841668	846332	
Frequency (MHz)				3555	3624.99	3694.98	up limit
10	QPSK	1	1	22.82	23.26	23.10	24.2

PC3 FR1 n77 PartO Ant9 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				850000	856000	862000	
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	24.16	24.16	24.28	
100	PI2 BPSK	1	137	24.15	24.16	23.96	25.4
100	PI2 BPSK	1	271	24.27	24.20	24.30	
100	PI2 BPSK	135	0	24.10	24.12	24.01	24.9
100	PI2 BPSK	135	69	24.02	24.02	24.14	25.4
100	PI2 BPSK	135	138	24.20	24.07	24.18	
100	PI2 BPSK	270	0	24.19	24.01	24.15	24.9
100	QPSK	1	1	24.24	24.34	24.29	
100	QPSK	1	137	23.93	23.92	24.06	25.4
100	QPSK	1	271	24.30	24.24	24.25	
100	QPSK	135	0	24.07	24.20	24.15	
100	QPSK	135	69	24.07	24.27	24.07	25.4
100	QPSK	135	138	24.22	24.16	24.16	
100	QPSK	270	0	23.24	23.28	23.18	24.4
100	16QAM	1	1	23.16	23.13	22.98	24.4
100	64QAM	1	1	21.74	21.83	21.71	22.9
100	256QAM	1	1	19.72	19.76	19.72	20.9
Channel				849968	856000	862332	
Frequency (MHz)				3745.02	3840	3934.98	up limit
90	QPSK	1	1	24.10	24.32	24.09	25.4
Channel				849334	856000	862666	
Frequency (MHz)				3740.01	3840	3939.99	up limit
80	QPSK	1	1	24.20	24.19	24.23	25.4
Channel				849300	856000	863300	
Frequency (MHz)				3735	3840	3945	up limit
70	QPSK	1	1	24.05	24.29	24.07	25.4
Channel				848968	856000	863332	
Frequency (MHz)				3725.01	3840	3944.99	up limit
60	QPSK	1	1	24.03	24.12	24.21	25.4
Channel				848334	856000	863666	
Frequency (MHz)				3720	3840	3940	up limit
50	QPSK	1	1	24.12	24.15	24.23	25.4
Channel				848000	856000	864000	
Frequency (MHz)				3720	3840	3950	up limit
40	QPSK	1	1	24.22	24.13	24.08	25.4
Channel				847668	856000	864332	
Frequency (MHz)				3715.02	3840.00	3944.98	up limit
30	QPSK	1	1	24.11	24.30	24.10	25.4
Channel				847500	856000	864500	
Frequency (MHz)				3712.5	3840.00	3957.50	up limit
25	QPSK	1	1	24.12	24.21	24.24	25.4
Channel				847334	856000	864666	
Frequency (MHz)				3710.01	3840	3959.99	up limit
20	QPSK	1	1	24.05	24.19	24.21	25.4
Channel				847168	856000	864832	
Frequency (MHz)				3707.52	3840	3972.48	up limit
15	QPSK	1	1	24.19	24.20	24.11	25.4
Channel				847000	856000	865000	
Frequency (MHz)				3705	3840	3975	up limit
10	QPSK	1	1	24.25	24.18	24.09	25.4

PC2 FR1 n77 PartO Ant9 DSI1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				860000	866000	872000	
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	27.20	27.23	27.12	
100	PI2 BPSK	1	137	27.21	27.16	27.29	28.9
100	PI2 BPSK	1	271	27.27	27.32	27.31	
100	PI2 BPSK	135	0	26.80	26.81	26.82	28.4
100	PI2 BPSK	135	69	27.16	27.14	27.30	28.9
100	PI2 BPSK	135	138	26.71	26.91	26.73	
100	PI2 BPSK	270	0	26.77	26.75	26.72	28.4
100	QPSK	1	1	27.27	27.33	27.21	
100	QPSK	1	137	27.06	27.13	27.05	28.9
100	QPSK	1	271	27.31	27.38	27.26	
100	QPSK	135	0	27.24	27.25	27.12	
100	QPSK	135	69	27.24	27.28	27.20	28.9
100	QPSK	135	138	27.20	27.27	27.16	
100	QPSK	270	0	26.18	26.23	26.21	27.9
100	16QAM	1	1	26.10	26.02	26.23	27.9
100	64QAM	1	1	24.80	24.85	24.72	26.4
100	256QAM	1	1	22.81	22.80	22.77	24.4
Channel				849968	856000	865332	
Frequency (MHz)				3745.02	3840	3934.98	up limit
90	QPSK	1	1	27.14	27.19	27.09	28.9
Channel				849334	856000	865666	
Frequency (MHz)				3740.01	3840	3939.99	up limit
80	QPSK	1	1	27.06	27.16	27.07	28.9
Channel				849000	856000	865900	
Frequency (MHz)				3735	3840	3945	up limit
70	QPSK	1	1	27.27	27.29	27.04	28.9
Channel				848668	856000	866332	
Frequency (MHz)				3730.02	3840	3944.99	up limit
60	QPSK	1	1	27.15	27.32	27.10	28.9
Channel				848334	856000	866666	
Frequency (MHz)				3725.01	3840	3944.99	up limit
50	QPSK	1	1	27.29	27.11	27.16	28.9
Channel				848000	856000	866900	
Frequency (MHz)				3720	3840	3950	up limit
40	QPSK	1	1	27.05	27.29	27.03	28.9
Channel				847668	856000	866332	
Frequency (MHz)				3715.02	3840.00	3944.98	up limit
30	QPSK	1	1	27.23	27.17	27.09	28.9
Channel				847500	856000	866500	
Frequency (MHz)				3712.5	3840.00	3957.50	up limit
25	QPSK	1	1	27.19	27.19	27.23	28.9
Channel				847334	856000	866666	
Frequency (MHz)				3710.01	3840	3959.99	up limit
20	QPSK	1	1	27.24	27.25	27.17	28.9
Channel				847168	856000	866832	
Frequency (MHz)				3707.52	3840	3972.48	up limit
15	QPSK	1	1	27.21	27.17	27.04	28.9
Channel				847000	856000	867000	
Frequency (MHz)				3705	3840	3975	up limit
10	QPSK	1	1	27.09	27.17	27.07	28.9

PC2 FR1 n78 PartO Ant9 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000					
Frequency (MHz)				3760					
100	P1/2 BPSK	1	1		27.33		28.9	0.0	
100	P1/2 BPSK	1	137		27.34				
100	P1/2 BPSK	1	271		27.34				
100	P1/2 BPSK	135	0		26.76		28.4	0.5	
100	P1/2 BPSK	135	69		27.17		28.9	0.0	
100	P1/2 BPSK	135	138		26.72		28.4	0.5	
100	P1/2 BPSK	270	0		26.58		28.4	0.0	
100	QPSK	1	1		27.41		28.9	0.0	
100	QPSK	1	137		27.27				
100	QPSK	1	271		27.27				
100	QPSK	135	0		27.29		28.9	0.0	
100	QPSK	135	69		27.37				
100	QPSK	135	138		27.35				
100	QPSK	270	0		26.93		27.9	1.0	
100	16QAM	1	1		26.34		27.9	1.0	
100	64QAM	1	1		24.95		26.4	2.5	
100	256QAM	1	1		22.89		24.4	4.5	
Channel									
Frequency (MHz)				648668	650000	650332	Tune-up limit (dB)		
90	QPSK	1	1		3749.34	3750	3753.33	up limit	MPR
Channel				649334	650000	650666	Tune-up limit (dB)		
Frequency (MHz)				3740.01	3750	3759.99	up limit		
80	QPSK	1	1		3734	3723	3710	28.9	0.0
Channel				649000	650000	651000	Tune-up limit (dB)		
Frequency (MHz)				3735	3750	3765	up limit		
70	QPSK	1	1		3733	3727	3705	28.9	0.0
Channel				648668	650000	651332	Tune-up limit (dB)		
Frequency (MHz)				3730.02	3750	3769.98	up limit		
60	QPSK	1	1		3726	3716	3704	28.9	0.0
Channel				648334	650000	651666	Tune-up limit (dB)		
Frequency (MHz)				3725.01	3750	3774.99	up limit		
50	QPSK	1	1		3735	3726	3719	28.9	0.0
Channel				648000	650000	652000	Tune-up limit (dB)		
Frequency (MHz)				3732	3760	3790	up limit		
40	QPSK	1	1		3746	3720	3708	28.9	0.0
Channel				647668	650000	652332	Tune-up limit (dB)		
Frequency (MHz)				3715.02	3750.00	3784.98	up limit		
30	QPSK	1	1		3720	3722	3721	28.9	0.0
Channel				647500	650000	652500	Tune-up limit (dB)		
Frequency (MHz)				3712.5	3750.00	3787.50	up limit		
25	QPSK	1	1		3737	3725	3715	28.9	0.0
Channel				647334	650000	652666	Tune-up limit (dB)		
Frequency (MHz)				3710.01	3750	3789.99	up limit		
20	QPSK	1	1		3734	3720	3717	28.9	0.0
Channel				647168	650000	652332	Tune-up limit (dB)		
Frequency (MHz)				3707.52	3750	3792.48	up limit		
15	QPSK	1	1		3726	3720	3718	28.9	0.0
Channel				647000	650000	653000	Tune-up limit (dB)		
Frequency (MHz)				3716	3750	3795	up limit		
10	QPSK	1	1		3728	3719	3711	28.9	0.0

PC3 FR1 n78 PartQ Ant9 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		24.27			25.4	0.0
100	P1/2 BPSK	1	137		24.09				
100	P1/2 BPSK	1	271		24.23				
100	P1/2 BPSK	135	0		24.07		24.9	0.5	
100	P1/2 BPSK	135	69		24.01		25.4	0.0	
100	P1/2 BPSK	135	138		24.18		24.9	0.5	
100	P1/2 BPSK	270	0		24.11		24.9	0.0	
100	QPSK	1	1		24.31			25.4	0.0
100	QPSK	1	137		24.03				
100	QPSK	1	271		24.22				
100	QPSK	135	0		24.08			25.4	0.0
100	QPSK	135	69		24.21				
100	QPSK	135	138		24.16				
100	QPSK	270	0		23.10		24.4	1.0	
100	16QAM	1	1		23.19		24.4	1.0	
100	64QAM	1	1		21.88		22.9	2.5	
100	256QAM	1	1		19.92		20.9	4.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dB)		
90	QPSK	1	1		3405	3499.98	3504.99	up limit	MPR
Channel				632668	633332	634000	Tune-up limit (dB)		
Frequency (MHz)				3400.02	3499.98	3510	up limit		
80	QPSK	1	1		24.24	24.05	24.25	25.4	0.0
Channel				632334	633332	634332	Tune-up limit (dB)		
Frequency (MHz)				3405.01	3499.98	3514.98	up limit		
70	QPSK	1	1		24.17	24.07	24.08	25.4	0.0
Channel				632000	633332	634666	Tune-up limit (dB)		
Frequency (MHz)				3400	3499.98	3519.99	up limit		
60	QPSK	1	1		24.13	24.03	24.07	25.4	0.0
Channel				631668	633332	635000	Tune-up limit (dB)		
Frequency (MHz)				3402.02	3499.98	3525	up limit		
50	QPSK	1	1		24.03	24.21	24.14	25.4	0.0
Channel				631334	633332	635332	Tune-up limit (dB)		
Frequency (MHz)				3400.01	3499.98	3529.98	up limit		
40	QPSK	1	1		24.29	24.22	24.09	25.4	0.0
Channel				631000	633332	635666	Tune-up limit (dB)		
Frequency (MHz)				3405	3499.98	3534.99	up limit		
30	QPSK	1	1		24.11	24.21	24.09	25.4	0.0
Channel				630668	633332	636000	Tune-up limit (dB)		
Frequency (MHz)				3402.04	3499.98	3537.48	up limit		
25	QPSK	1	1		24.24	24.21	24.28	25.4	0.0
Channel				630334	633332	636332	Tune-up limit (dB)		
Frequency (MHz)				3400.02	3499.98	3540	up limit		
20	QPSK	1	1		24.15	24.20	24.09	25.4	0.0
Channel				630000	633332	636666	Tune-up limit (dB)		
Frequency (MHz)				3407.5	3499.98	3542.49	up limit		
15	QPSK	1	1		24.12	23.99	24.08	25.4	0.0
Channel				630334	633332	636332	Tune-up limit (dB)		
Frequency (MHz)				3405.01	3499.98	3544.98	up limit		
10	QPSK	1	1		24.03	24.08	24.19	25.4	0.0

PC2 FR1 n78 PartQ Ant9 DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		3499.98			
100	P1/2 BPSK	1	1		27.21			28.9	0.0
100	P1/2 BPSK	1	137		27.09				
100	P1/2 BPSK	1	271		27.05				
100	P1/2 BPSK	135	0		26.82		28.4	0.5	
100	P1/2 BPSK	135	69		26.99		28.9	0.0	
100	P1/2 BPSK	135	138		26.58		28.4	0.5	
100	P1/2 BPSK	270	0		26.58		28.4	0.0	
100	QPSK	1	1		27.26			28.9	0.0
100	QPSK	1	137		26.96				
100	QPSK	1	271		27.11				
100	QPSK	135	0		27.08			28.9	0.0
100	QPSK	135	69		27.15				
100	QPSK	135	138		27.07				
100	QPSK	270	0		26.10		27.9	1.0	
100	16QAM	1	1		26.17		27.9	1.0	
100	64QAM	1	1		24.71		26.4	2.5	
100	256QAM	1	1		22.79		24.4	4.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dB)		
90	QPSK	1	1	27.17	27.22	27.16	28.9	MPR	
Channel				632668	633332	634000	Tune-up limit (dB)		
Frequency (MHz)				3400.02	3499.98	3504.99	up limit	MPR	
80	QPSK	1	1	26.97	27.05	27.10	28.9	0.0	
Channel				632934	633332	634332	Tune-up limit (dB)		
Frequency (MHz)				3400.02	3499.98	3514.99	up limit	MPR	
70	QPSK	1	1	27.11	27.03	27.12	28.9	0.0	
Channel				632000	633332	634668	Tune-up limit (dB)		
Frequency (MHz)				3400.02	3499.98	3519.99	up limit	MPR	
60	QPSK	1	1	27.12	27.12	26.97	28.9	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)		
Frequency (MHz)				3400.02	3499.98	3525	up limit	MPR	
50	QPSK	1	1	27.26	27.18	27.03	28.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)		
Frequency (MHz)				3400.01	3499.98	3529.98	up limit	MPR	
40	QPSK	1	1	27.08	27.22	27.12	28.9	0.0	
Channel				631000	633332	635668	Tune-up limit (dB)		
Frequency (MHz)				3405	3499.98	3534.99	up limit	MPR	
30	QPSK	1	1	27.14	27.24	27.17	28.9	0.0	
Channel				630634	633332	636332	Tune-up limit (dB)		
Frequency (MHz)				3405.01	3499.98	3539.98	up limit	MPR	
25	QPSK	1	1	27.03	27.14	27.09	28.9	0.0	
Channel				630668	633332	636000	Tune-up limit (dB)		
Frequency (MHz)				3406.02	3499.98	3540	up limit	MPR	
20	QPSK	1	1	27.18	27.18	27.00	28.9	0.0	
Channel				630302	633332	636668	Tune-up limit (dB)		
Frequency (MHz)				3407.03	3499.98	3542.66	up limit	MPR	
15	QPSK	1	1	27.07	27.22	27.12	28.9	0.0	
Channel				630334	633332	636332	Tune-up limit (dB)		
Frequency (MHz)				3405.01	3499.98	3544.98	up limit	MPR	

FR1 n5 Ant0 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				166800	167300	167800					
Frequency (MHz)				834	836.5	839					
20	PI2 BPSK	1	1	25.29	25.29	25.18	25.7	0.0			
20	PI2 BPSK	1	53	25.28	25.27	25.26					
20	PI2 BPSK	1	104	25.13	25.15	25.07					
20	PI2 BPSK	50	0	24.41	24.82	24.54	25.2	0.5			
20	PI2 BPSK	50	28	25.31	25.26	25.07	25.7	0.0			
20	PI2 BPSK	50	56	24.59	24.69	24.77	25.2	0.5			
20	PI2 BPSK	100	0	24.50	24.46	24.71					
20	QPSK	1	1	25.30	25.37	25.28					
20	QPSK	1	53	25.17	25.33	25.07	25.7	0.0			
20	QPSK	1	104	25.19	25.01	24.99					
20	QPSK	50	0	24.00	24.17	23.91	24.7	1.0			
20	QPSK	50	28	24.90	25.35	24.88	25.7	0.0			
20	QPSK	50	56	23.99	24.11	24.06	24.7	1.0			
20	QPSK	100	0	24.27	24.31	24.14					
20	16QAM	1	1	24.14	24.11	24.00	24.7	1.0			
20	64QAM	1	1	22.44	22.68	22.82	23.2	2.5			
20	256QAM	1	1	20.46	20.45	20.58	21.2	4.5			
Channel				168300	167300	168300					
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	25.34	25.21	25.16	25.7	0.0			
Channel				169300	168300	169300					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	1	25.30	25.29	25.33	25.7	0.0			
Channel				169300	167300	169300					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	25.15	25.14	25.34	25.7	0.0			

Reduced Power Mode for DSI 3											
FR1 n12 Ant0 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)				
Channel				141300	141500	141700					
Frequency (MHz)				702.5	707.5	709.5					
15	PI2 BPSK	1	1	24.41	24.57	24.51	25.5	0.0			
15	PI2 BPSK	1	40	24.38	24.54	24.37					
15	PI2 BPSK	1	77	24.29	24.46	24.25					
15	PI2 BPSK	36	0	23.94	24.05	23.98	25.0	0.5			
15	PI2 BPSK	36	22	24.45	24.44	24.23	25.5	0.0			
15	PI2 BPSK	36	43	23.81	24.02	23.91	25.0	0.5			
15	PI2 BPSK	76	0	24.02	24.04	24.02					
15	QPSK	1	1	24.43	24.63	24.53					
15	QPSK	1	40	24.45	24.54	24.55	25.5	0.0			
15	QPSK	1	77	24.54	24.56	24.52					
15	QPSK	36	0	23.52	23.52	23.41	24.5	1.0			
15	QPSK	36	22	24.57	24.57	24.46	25.5	0.0			
15	QPSK	36	43	23.34	23.53	23.53	24.5	1.0			
15	QPSK	76	0	23.47	23.56	23.44					
15	16QAM	1	1	23.89	23.87	23.85	24.5	1.0			
15	64QAM	1	1	22.02	22.23	22.05	23.0	2.5			
15	256QAM	1	1	19.97	20.09	20.07	21.0	4.5			
Channel				142800	141500	142800					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	1	24.62	24.51	24.56	25.5	0.0			
Channel				143300	141500	143300					
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	1	24.52	24.58	24.57	25.5	0.0			

FR1 n26 Ant0 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164000	165000	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	25.20	25.18	25.03	25.7	0.0	
20	PI2 BPSK	1	53	25.15	25.23	25.25			
20	PI2 BPSK	1	104	25.01	25.15	25.19			
20	PI2 BPSK	50	0	24.56	24.67	24.55	25.2	0.5	
20	PI2 BPSK	50	28	25.20	25.13	25.03	25.7	0.0	
20	PI2 BPSK	50	56	24.54	24.67	24.78	25.2	0.5	
20	PI2 BPSK	100	0	24.47	24.59	24.73			
20	QPSK	1	1	25.19	25.26	25.22			
20	QPSK	1	53	25.18	25.24	25.14	25.7	0.0	
20	QPSK	1	104	25.13	24.99	25.04			
20	QPSK	50	0	23.94	24.04	24.04	24.7	1.0	
20	QPSK	50	28	25.03	25.21	25.02	25.7	0.0	
20	QPSK	50	56	24.06	24.15	24.05	24.7	1.0	
20	QPSK	100	0	24.16	24.22	24.17			
20	16QAM	1	1	24.03	24.12	24.06	24.7	1.0	
20	64QAM	1	1	22.58	22.67	22.79	23.2	2.5	
20	256QAM	1	1	20.47	20.57	20.67	21.2	4.5	
Channel				165300	165300	165300			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	25.18	25.18	25.15	25.7	0.0	
Channel				165300	165300	165300			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	25.18	25.21	25.14	25.7	0.0	
Channel				165300	165300	165300			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	25.06	25.16	25.21	25.7	0.0	

FR1 n5 Ant1 DS13							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.74	22.81	22.83	
20	PI2 BPSK	1	83	22.73	22.76	22.72	23.5
20	PI2 BPSK	1	104	22.69	22.84	22.76	
20	PI2 BPSK	50	0	22.74	22.80	22.77	23.5
20	PI2 BPSK	50	28	22.79	22.82	22.76	23.5
20	PI2 BPSK	50	55	22.69	22.80	22.74	23.5
20	PI2 BPSK	100	0	22.76	22.76	22.83	23.5
20	QPSK	1	1	22.79	22.89	22.78	
20	QPSK	1	53	22.75	22.85	22.78	23.5
20	QPSK	1	104	22.80	22.82	22.73	
20	QPSK	50	0	22.76	22.86	22.76	23.5
20	QPSK	50	28	22.80	22.87	22.81	23.5
20	QPSK	50	55	22.76	22.83	22.81	23.5
20	QPSK	100	0	22.76	22.80	22.75	23.5
20	16QAM	1	1	22.75	22.79	22.76	23.5
20	64QAM	1	1	22.76	22.82	22.77	23.0
20	256QAM	1	1	20.30	20.38	20.31	21.0
Channel				168300	167300	168300	Tune- MPR
Frequency (MHz)				831.5	836.5	841.5	up limit (dB)
15	QPSK	1	1	22.68	22.69	22.63	23.5
Channel				165800	167300	165800	Tune- MPR
Frequency (MHz)				829	836.5	844	up limit (dB)
10	QPSK	1	1	22.75	22.68	22.70	23.5
Channel				165300	167300	165300	Tune- MPR
Frequency (MHz)				826.5	836.5	846.5	up limit (dB)
5	QPSK	1	1	22.67	22.76	22.62	23.5

FR1 n12 Ant1 DS13							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	24.15	24.31	24.24	
15	PI2 BPSK	1	40	24.31	24.27	24.23	25.0
15	PI2 BPSK	1	77	24.26	24.34	24.17	
15	PI2 BPSK	36	0	23.80	23.72	23.78	24.5
15	PI2 BPSK	36	22	24.30	24.32	24.20	25.0
15	PI2 BPSK	36	43	23.92	23.84	23.93	24.5
15	PI2 BPSK	75	0	23.92	23.57	23.53	24.5
15	QPSK	1	1	24.30	24.38	24.34	
15	QPSK	1	40	24.24	24.15	24.33	25.0
15	QPSK	1	77	24.20	24.36	24.35	
15	QPSK	36	0	23.07	23.27	23.37	24.0
15	QPSK	36	22	24.31	24.37	24.31	25.0
15	QPSK	36	43	23.31	23.16	23.14	24.0
15	QPSK	75	0	23.12	23.26	23.25	24.0
15	16QAM	1	1	23.26	23.48	23.39	24.0
15	64QAM	1	1	21.97	21.92	21.97	22.5
15	256QAM	1	1	20.07	20.21	20.07	20.5
Channel				140800	141500	142200	Tune- MPR
Frequency (MHz)				704	707.5	711	up limit (dB)
10	QPSK	1	1	24.16	24.21	24.13	25.0
Channel				140300	141500	142200	Tune- MPR
Frequency (MHz)				701.5	707.5	713.5	up limit (dB)
5	QPSK	1	1	24.15	24.27	24.24	25.0

FR1 n26 Ant1 DS13							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166900	167800	
Frequency (MHz)				824	831.5	839	
20	PI2 BPSK	1	1	22.26	22.33	22.30	
20	PI2 BPSK	1	53	22.31	22.31	22.31	23.0
20	PI2 BPSK	1	104	22.29	22.35	22.24	
20	PI2 BPSK	50	0	22.30	22.35	22.33	23.0
20	PI2 BPSK	50	28	22.29	22.35	22.27	23.0
20	PI2 BPSK	50	56	22.26	22.32	22.22	23.0
20	PI2 BPSK	100	0	22.26	22.37	22.25	23.0
20	QPSK	1	1	22.25	22.46	22.22	
20	QPSK	1	53	22.35	22.33	22.23	23.0
20	QPSK	1	104	22.36	22.39	22.28	
20	QPSK	50	0	22.26	22.37	22.24	23.0
20	QPSK	50	28	22.29	22.43	22.31	23.0
20	QPSK	50	56	22.26	22.41	22.31	23.0
20	QPSK	100	0	22.36	22.41	22.24	23.0
20	16QAM	1	1	22.34	22.41	22.22	23.0
20	64QAM	1	1	22.29	22.38	22.26	23.0
20	256QAM	1	1	20.20	20.29	20.28	21.0
Channel				164300	166900	168300	Tune- MPR
Frequency (MHz)				821.5	831.5	841.5	up limit (dB)
15	QPSK	1	1	22.11	22.18	22.13	23.0
Channel				163800	166900	168300	Tune- MPR
Frequency (MHz)				819	831.5	844	up limit (dB)
10	QPSK	1	1	22.20	22.20	22.16	23.0
Channel				163300	166900	168300	Tune- MPR
Frequency (MHz)				816.5	831.5	846.5	up limit (dB)
5	QPSK	1	1	22.21	22.26	22.17	23.0

FR1 n7 Ant3 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				565000	507000	369000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	21.67	21.80	21.74			
50	P12 BPSK	1	135	21.61	21.78	21.68	22.5	0.0	
50	P12 BPSK	1	259	21.69	21.82	21.67			
50	P12 BPSK	135	0	21.67	21.73	21.68	22.5	0.0	
50	P12 BPSK	135	68	21.68	21.79	21.68	22.5	0.0	
50	P12 BPSK	135	135	21.60	21.80	21.75	22.5	0.0	
50	P12 BPSK	270	0	21.68	21.78	21.72			
50	QPSK	1	1	21.74	21.86	21.79			
50	QPSK	1	135	21.66	21.84	21.68	22.5	0.0	
50	QPSK	1	259	21.67	21.80	21.74			
50	QPSK	135	0	21.67	21.82	21.71	22.5	0.0	
50	QPSK	135	68	21.67	21.83	21.76	22.5	0.0	
50	QPSK	135	135	21.67	21.78	21.74	22.5	0.0	
50	QPSK	270	0	21.61	21.78	21.68			
50	16QAM	1	1	21.69	21.78	21.73	22.5	0.0	
50	8QAM	1	1	21.61	21.74	21.74	22.5	0.0	
50	256QAM	1	1	19.80	19.87	19.76	20.5	2.0	
Channel				504000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2520	2535	2550	up limit		
40	QPSK	1	1	21.60	21.74	21.69	22.5	0.0	
Channel				503500	507000	510500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit		
35	QPSK	1	1	21.65	21.79	21.68	22.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555	up limit		
30	QPSK	1	1	21.72	21.76	21.76	22.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit		
25	QPSK	1	1	21.72	21.72	21.72	22.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2560	up limit		
20	QPSK	1	1	21.68	21.78	21.77	22.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit		
15	QPSK	1	1	21.61	21.81	21.71	22.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565	up limit		
10	QPSK	1	1	21.62	21.78	21.70	22.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit		
5	QPSK	1	1	21.63	21.81	21.68	22.5	0.0	

FR1 n66 Ant3 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P12 BPSK	1	1	21.58	21.67	21.54			
45	P12 BPSK	1	120	21.57	21.83	21.54	22.5	0.0	
45	P12 BPSK	1	240	21.58	21.63	21.54			
45	P12 BPSK	120	0	21.58	21.81	21.55	22.5	0.0	
45	P12 BPSK	120	60	21.57	21.84	21.54	22.5	0.0	
45	P12 BPSK	120	120	21.58	21.84	21.57			
45	P12 BPSK	240	0	21.58	21.65	21.58	22.5	0.0	
45	QPSK	1	1	21.61	21.74	21.65			
45	QPSK	1	120	21.54	21.81	21.52	22.5	0.0	
45	QPSK	1	240	21.57	21.63	21.58			
45	QPSK	120	0	21.52	21.83	21.56	22.5	0.0	
45	QPSK	120	60	21.51	21.71	21.59	22.5	0.0	
45	QPSK	120	120	21.50	21.67	21.52	22.5	0.0	
45	QPSK	240	0	21.51	21.68	21.63			
45	16QAM	1	1	21.51	21.81	21.56	22.5	0.0	
45	8QAM	1	1	21.57	21.87	21.60	22.5	0.0	
45	256QAM	1	1	19.62	19.78	19.63	20.5	2.0	
Channel				346000	349000	352000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1730	1745	1760	up limit		
40	QPSK	1	1	21.52	21.68	21.62	22.5	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	up limit		
35	QPSK	1	1	21.48	21.67	21.60	22.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765	up limit		
30	QPSK	1	1	21.56	21.81	21.61	22.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	up limit		
25	QPSK	1	1	21.56	21.68	21.60	22.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770	up limit		
20	QPSK	1	1	21.54	21.83	21.58	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	up limit		
15	QPSK	1	1	21.50	21.71	21.54	22.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775	up limit		
10	QPSK	1	1	21.56	21.70	21.55	22.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	up limit		
5	QPSK	1	1	21.56	21.70	21.56	22.5	0.0	

FR1 n38 Ant3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	518000	520000			
Frequency (MHz)				2590	2595	2600			
40	PI/2 BPSK	1	1	19.99	20.00	19.97	21.0	0.0	
40	PI/2 BPSK	1	53	19.96	19.99	19.93			
40	PI/2 BPSK	1	104	20.00	19.97	19.97			
40	PI/2 BPSK	50	0	19.89	20.04	19.97	21.0	0.0	
40	PI/2 BPSK	50	28	19.96	20.07	19.97	21.0	0.0	
40	PI/2 BPSK	50	58	19.97	20.03	19.98	21.0	0.0	
40	PI/2 BPSK	100	0	19.97	20.02	19.91			
40	QPSK	1	1	19.92	20.09	19.97			
40	QPSK	1	53	20.01	20.08	19.94	21.0	0.0	
40	QPSK	1	104	20.00	20.02	19.98	21.0	0.0	
40	QPSK	50	0	19.92	19.97	19.95			
40	QPSK	50	28	19.94	20.07	19.93			
40	QPSK	50	58	19.94	20.02	19.93	21.0	0.0	
40	QPSK	100	0	19.98	20.03	20.00			
40	16QAM	1	1	19.97	20.03	19.97	21.0	0.0	
40	16QAM	1	1	19.92	19.98	19.88	21.0	0.0	
40	256QAM	1	1	19.91	19.49	19.42	20.5	0.5	
Channel				517000	519000	521000	Tune-	MPR	
Frequency (MHz)				2595	2595	2605	up limit	(dB)	
30	QPSK	1	1	19.97	19.97	19.99	21.0	0.0	
Channel				519000	519000	521000	Tune-	MPR	
Frequency (MHz)				2592.5	2595	2607.5	up limit	(dB)	
25	QPSK	1	1	19.60	19.87	19.62	21.0	0.0	
Channel				519000	519000	522000	Tune-	MPR	
Frequency (MHz)				2590	2595	2610	up limit	(dB)	
20	QPSK	1	1	19.62	19.91	19.85	21.0	0.0	
Channel				519000	519000	523000	Tune-	MPR	
Frequency (MHz)				2597.5	2595	2612.5	up limit	(dB)	
15	QPSK	1	1	19.78	19.96	19.88	21.0	0.0	
Channel				519000	519000	523000	Tune-	MPR	
Frequency (MHz)				2595	2595	2615	up limit	(dB)	
10	QPSK	1	1	19.78	19.99	19.88	21.0	0.0	

FR1 n41 Ant3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.70	19.80	19.71	20.5	0.0	
100	PI2 BPSK	1	137	19.64	19.87	19.77			
100	PI2 BPSK	1	271	19.64	19.79	19.71			
100	PI2 BPSK	135	0	19.71	19.85	19.71	20.5	0.0	
100	PI2 BPSK	135	68	19.73	19.82	19.77	20.5	0.0	
100	PI2 BPSK	135	138	19.73	19.88	19.77	20.5	0.0	
100	PI2 BPSK	270	0	19.70	19.78	19.79			
100	QPSK	1	1	19.70	19.92	19.73			
100	QPSK	1	137	19.73	19.87	19.78	20.5	0.0	
100	QPSK	1	271	19.69	19.77	19.76	20.5	0.0	
100	QPSK	135	0	19.69	19.81	19.79			
100	QPSK	135	68	19.63	19.85	19.69			
100	QPSK	135	138	19.68	19.84	19.70	20.5	0.0	
100	QPSK	270	0	19.70	19.85	19.77			
100	16QAM	1	1	19.61	19.82	19.73	20.5	0.0	
100	16QAM	1	1	19.64	19.77	19.74	20.5	0.0	
100	256QAM	1	1	19.69	19.77	19.80	20.5	0.0	
Channel				508200	518998	528998	Tune-	MPR	
Frequency (MHz)				2541	2592.99	2644.98	up limit	(dB)	
90	QPSK	1	1	19.63	19.69	19.61	20.5	0.0	
Channel				507200	518998	529998	Tune-	MPR	
Frequency (MHz)				2536.02	2592.99	2648.98	up limit	(dB)	
80	QPSK	1	1	19.54	19.69	19.68	20.5	0.0	
Channel				506200	518998	531998	Tune-	MPR	
Frequency (MHz)				2531.01	2592.99	2655	up limit	(dB)	
70	QPSK	1	1	19.55	19.67	19.67	20.5	0.0	
Channel				505200	518998	531998	Tune-	MPR	
Frequency (MHz)				2526	2592.99	2655.98	up limit	(dB)	
60	QPSK	1	1	19.57	19.71	19.65	20.5	0.0	
Channel				504200	518998	532998	Tune-	MPR	
Frequency (MHz)				2521.00	2592.99	2644.98	up limit	(dB)	
50	QPSK	1	1	19.62	19.68	19.59	20.5	0.0	
Channel				503700	518998	533498	Tune-	MPR	
Frequency (MHz)				2516.0	2592.99	2637.48	up limit	(dB)	
45	QPSK	1	1	19.60	19.79	19.69	20.5	0.0	
Channel				503200	518998	534000	Tune-	MPR	
Frequency (MHz)				2516.01	2592.99	2670	up limit	(dB)	
40	QPSK	1	1	19.53	19.70	19.68	20.5	0.0	
Channel				502700	518998	534498	Tune-	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48	up limit	(dB)	
35	QPSK	1	1	19.57	19.80	19.63	20.5	0.0	
Channel				502200	518998	534998	Tune-	MPR	
Frequency (MHz)				2511	2592.99	2674.98	up limit	(dB)	
30	QPSK	1	1	19.58	19.62	19.60	20.5	0.0	
Channel				501700	518998	535500	Tune-	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	up limit	(dB)	
25	QPSK	1	1	19.64	19.63	19.62	20.5	0.0	
Channel				501200	518998	535998	Tune-	MPR	
Frequency (MHz)				2506.00	2592.99	2670.99	up limit	(dB)	
20	QPSK	1	1	19.60	19.62	19.65	20.5	0.0	
Channel				500700	518998	536498	Tune-	MPR	
Frequency (MHz)				2503.5	2592.99	2662.48	up limit	(dB)	
15	QPSK	1	1	19.55	19.62	19.69	20.5	0.0	
Channel				500200	518998	537000	Tune-	MPR	
Frequency (MHz)				2501.01	2592.99	2685	up limit	(dB)	
10	QPSK	1	1	19.55	19.63	19.67	20.5	0.0	

FR1 n2 Ant4 DSI3							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				1870	1880	1890	
40	PI2 BPSK	1	1	20.48	20.48	20.39	
40	PI2 BPSK	1	108	20.37	20.47	20.39	21.0
40	PI2 BPSK	1	214	20.40	20.46	20.44	
40	PI2 BPSK	108	0	20.42	20.50	20.38	21.0
40	PI2 BPSK	108	54	20.40	20.49	20.37	21.0
40	PI2 BPSK	108	108	20.48	20.50	20.39	21.0
40	PI2 BPSK	216	0	20.42	20.50	20.34	21.0
40	QPSK	1	1	20.46	20.53	20.39	
40	QPSK	1	108	20.43	20.44	20.40	21.0
40	QPSK	1	214	20.42	20.50	20.46	
40	QPSK	108	0	20.41	20.44	20.42	21.0
40	QPSK	108	54	20.44	20.51	20.36	21.0
40	QPSK	108	108	20.25	20.50	20.35	21.0
40	QPSK	216	0	20.41	20.42	20.37	21.0
40	16QAM	1	1	20.43	20.47	20.35	21.0
40	64QAM	1	1	20.35	20.44	20.37	21.0
40	256QAM	1	1	19.89	19.81	19.83	20.5
Channel							
Frequency (MHz)				373500	376000	378500	
35	QPSK	1	1	1867.5	1880	1892.5	up limit
35	QPSK	1	1	20.39	20.33	20.35	21.0
Channel							
Frequency (MHz)				1865	1880	1895	up limit
30	QPSK	1	1	20.37	20.39	20.34	21.0
Channel							
Frequency (MHz)				1862.5	1880	1897.5	up limit
25	QPSK	1	1	20.32	20.41	20.33	21.0
Channel							
Frequency (MHz)				372000	376000	380000	up limit
20	QPSK	1	1	20.32	20.35	20.24	21.0
Channel							
Frequency (MHz)				371500	376000	380500	up limit
15	QPSK	1	1	20.36	20.43	20.23	21.0
Channel							
Frequency (MHz)				371000	376000	381000	up limit
10	QPSK	1	1	1870	1880	1895	up limit
Channel							
Frequency (MHz)				1872.5	1880	1892.5	up limit
5	QPSK	1	1	20.30	20.37	20.29	21.0

FR1 n7 Ant4 DSI3							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				2525	2535	2545	
50	PI2 BPSK	1	1	20.43	20.51	20.43	
50	PI2 BPSK	1	135	20.51	20.56	20.53	20.7
50	PI2 BPSK	1	269	20.50	20.47	20.54	
50	PI2 BPSK	135	0	20.47	20.49	20.46	20.7
50	PI2 BPSK	135	68	20.43	20.53	20.52	20.7
50	PI2 BPSK	135	135	20.52	20.53	20.44	20.7
50	PI2 BPSK	270	0	20.52	20.48	20.51	20.7
50	QPSK	1	1	20.45	20.59	20.46	
50	QPSK	1	135	20.50	20.50	20.50	20.7
50	QPSK	1	269	20.43	20.54	20.45	
50	QPSK	135	0	20.54	20.49	20.51	20.7
50	QPSK	135	68	20.43	20.55	20.51	20.7
50	QPSK	135	135	20.52	20.45	20.53	20.7
50	QPSK	270	0	20.45	20.51	20.55	20.7
50	16QAM	1	1	20.53	20.46	20.45	20.7
50	64QAM	1	1	20.47	20.56	20.51	20.7
50	256QAM	1	1	20.51	20.44	20.50	20.7
Channel							
Frequency (MHz)				504000	507000	510000	up limit
40	QPSK	1	1	2530	2535	2550	up limit
40	QPSK	1	1	20.34	20.39	20.40	20.7
Channel							
Frequency (MHz)				503500	507000	510500	up limit
35	QPSK	1	1	2517.5	2535	2552.5	up limit
35	QPSK	1	1	20.39	20.49	20.46	20.7
Channel							
Frequency (MHz)				503000	507000	511000	up limit
30	QPSK	1	1	20.39	20.41	20.42	20.7
Channel							
Frequency (MHz)				502500	507000	511500	up limit
25	QPSK	1	1	20.35	20.44	20.42	20.7
Channel							
Frequency (MHz)				502000	507000	512000	up limit
20	QPSK	1	1	20.37	20.47	20.40	20.7
Channel							
Frequency (MHz)				501500	507000	512500	up limit
15	QPSK	1	1	20.40	20.44	20.32	20.7
Channel							
Frequency (MHz)				501000	507000	513000	up limit
10	QPSK	1	1	2505	2535	2565	up limit
Channel							
Frequency (MHz)				500500	507000	513500	up limit
5	QPSK	1	1	20.37	20.41	20.39	20.7

FR1 n25 Ant4 DSI3							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				1870	1882.5	1895	
40	PI2 BPSK	1	1	23.35	23.39	23.20	
40	PI2 BPSK	1	108	23.34	23.50	23.30	24.0
40	PI2 BPSK	1	214	23.40	23.41	23.30	
40	PI2 BPSK	108	0	23.39	23.44	23.20	24.0
40	PI2 BPSK	108	54	23.34	23.43	23.24	24.0
40	PI2 BPSK	108	108	23.39	23.48	23.27	24.0
40	PI2 BPSK	216	0	23.40	23.48	23.26	
40	QPSK	1	1	23.39	23.55	23.21	
40	QPSK	1	108	23.33	23.43	23.22	24.0
40	QPSK	1	214	23.40	23.49	23.27	
40	QPSK	108	0	23.35	23.46	23.22	24.0
40	QPSK	108	54	23.35	23.51	23.28	24.0
40	QPSK	108	108	23.40	23.49	23.25	24.0
40	QPSK	216	0	23.44	23.45	23.28	24.0
40	16QAM	1	1	23.44	23.43	23.23	24.0
40	64QAM	1	1	21.85	21.96	21.74	22.5
40	256QAM	1	1	19.89	19.94	19.72	20.5
Channel							
Frequency (MHz)				373500	376500	379500	up limit
35	QPSK	1	1	1867.5	1882.5	1897.5	up limit
35	QPSK	1	1	23.28	23.26	23.17	24.0
Channel							
Frequency (MHz)				1865	1882.5	1900	up limit
30	QPSK	1	1	23.33	23.36	23.13	24.0
Channel							
Frequency (MHz)				372500	376000	379500	up limit
25	QPSK	1	1	1862.5	1882.5	1892.5	up limit
25	QPSK	1	1	23.28	23.25	23.16	24.0
Channel							
Frequency (MHz)				372000	376500	381000	up limit
20	QPSK	1	1	23.33	23.35	23.08	24.0
Channel							
Frequency (MHz)				371500	376500	381500	up limit
15	QPSK	1	1	23.33	23.25	23.10	24.0
Channel							
Frequency (MHz)				371000	376500	382000	up limit
10	QPSK	1	1	1853	1882.5	1910	up limit
Channel							
Frequency (MHz)				1852.5	1882.5	1912.5	up limit
5	QPSK	1	1	23.35	23.27	23.08	24.0

FR1 n66 Ant4 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)
Channel				346000	346000	355000	
Frequency (MHz)				1732.5	1745	1757.5	
45	PI2 BPSK	1	1	21.00	21.01	20.94	21.5
45	PI2 BPSK	1	120	20.99	21.04	21.04	
45	PI2 BPSK	1	240	21.03	21.02	21.05	0.0
45	PI2 BPSK	120	0	20.94	21.01	20.94	21.5
45	PI2 BPSK	120	60	21.03	21.08	21.02	21.5
45	PI2 BPSK	120	120	20.97	20.97	20.94	0.0
45	PI2 BPSK	240	0	21.01	20.99	20.97	21.5
45	QPSK	1	1	20.93	21.11	21.04	21.5
45	QPSK	1	120	21.02	20.98	21.03	
45	QPSK	1	240	20.97	21.03	20.98	0.0
45	QPSK	120	0	20.98	20.98	20.96	21.5
45	QPSK	120	60	21.03	21.08	20.95	21.5
45	QPSK	120	120	21.01	21.01	21.01	0.0
45	QPSK	240	0	20.96	21.01	20.99	21.5
45	16QAM	1	1	21.04	20.99	21.02	21.5
45	64QAM	1	1	20.97	20.95	21.05	0.0
45	256QAM	1	1	19.95	20.08	20.04	20.5
Channel				346000	349000	352000	Tune- MPR
Frequency (MHz)				1730	1745	1760	up limit (dB)
40	QPSK	1	1	20.79	20.91	20.99	21.5
Channel				345000	350000	355000	Tune- MPR
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)
35	QPSK	1	1	20.88	20.94	20.95	21.5
Channel				345000	349000	353000	Tune- MPR
Frequency (MHz)				1725	1745	1765	up limit (dB)
30	QPSK	1	1	20.85	20.95	20.91	21.5
Channel				344000	349000	353000	Tune- MPR
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)
25	QPSK	1	1	20.88	20.88	20.96	21.5
Channel				344000	349000	354000	Tune- MPR
Frequency (MHz)				1720	1745	1770	up limit (dB)
20	QPSK	1	1	20.88	20.88	20.99	21.5
Channel				343000	349000	354000	Tune- MPR
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)
15	QPSK	1	1	20.78	20.92	20.90	21.5
Channel				343000	349000	355000	Tune- MPR
Frequency (MHz)				1715	1745	1775	up limit (dB)
10	QPSK	1	1	20.81	20.93	20.91	21.5
Channel				342000	349000	355000	Tune- MPR
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)
5	QPSK	1	1	20.63	20.96	20.96	21.5

FR1 n66 Ant5 DSI3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)
Channel				346000	346000	351000	24.4
Frequency (MHz)				1732.5	1745	1757.5	
45	PI2 BPSK	1	1	23.32	23.29	23.37	0.0
45	PI2 BPSK	1	120	23.22	23.35	23.36	
45	PI2 BPSK	1	240	23.27	23.42	23.35	0.5
45	PI2 BPSK	120	0	22.55	22.49	22.59	
45	PI2 BPSK	120	60	23.33	23.35	23.22	0.0
45	PI2 BPSK	120	120	22.65	22.61	22.47	
45	PI2 BPSK	240	0	22.71	22.72	22.55	0.5
45	QPSK	1	1	23.39	23.58	23.48	
45	QPSK	1	120	23.44	23.32	23.37	0.0
45	QPSK	1	240	23.23	23.35	23.35	
45	QPSK	120	0	22.21	22.27	22.24	1.0
45	QPSK	120	60	23.44	23.47	23.31	
45	QPSK	120	120	22.25	22.32	22.32	1.0
45	QPSK	240	0	22.37	22.41	22.53	
45	16QAM	1	1	22.23	22.17	22.21	1.0
45	64QAM	1	1	21.12	21.24	21.22	
45	256QAM	1	1	19.08	19.11	19.04	4.5
Channel				346000	349000	352000	Tune- MPR
Frequency (MHz)				1730	1745	1760	up limit (dB)
40	QPSK	1	1	23.32	23.47	23.42	0.0
Channel				345000	349000	352000	
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)
35	QPSK	1	1	23.40	23.43	23.45	0.0
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	up limit (dB)
30	QPSK	1	1	23.32	23.49	23.37	0.0
Channel				344000	349000	353000	
Frequency (MHz)				1722.5	1745	1767.5	Tune- up limit (dB)
25	QPSK	1	1	23.41	23.42	23.48	0.0
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	up limit (dB)
20	QPSK	1	1	23.38	23.42	23.45	0.0
Channel				343000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	Tune- up limit (dB)
15	QPSK	1	1	23.39	23.40	23.44	0.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	up limit (dB)
10	QPSK	1	1	23.37	23.45	23.37	0.0
Channel				342000	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	Tune- up limit (dB)
5	QPSK	1	1	23.38	23.42	23.43	0.0

FR1 n7 Ant6 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				565000	507000	569000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	21.83	21.92	21.88			
50	P12 BPSK	1	135	21.82	21.93	21.96	22.6	0.0	
50	P12 BPSK	1	259	21.94	21.95	21.87			
50	P12 BPSK	135	0	21.89	22.02	21.98	22.6	0.0	
50	P12 BPSK	135	68	21.77	21.88	21.89	22.6	0.0	
50	P12 BPSK	135	135	21.75	21.91	21.82			
50	P12 BPSK	270	0	21.81	21.83	21.92	22.6	0.0	
50	QPSK	1	1	21.83	22.03	21.90			
50	QPSK	1	135	21.82	21.95	21.93	22.6	0.0	
50	QPSK	1	259	21.74	21.91	21.83			
50	QPSK	135	0	21.77	21.83	21.94	22.6	0.0	
50	QPSK	135	68	21.79	21.97	21.94	22.6	0.0	
50	QPSK	135	135	21.74	21.95	21.95			
50	QPSK	270	0	21.86	21.95	21.83	22.6	0.0	
50	16QAM	1	1	21.83	21.89	21.86	22.6	0.0	
50	84QAM	1	1	20.78	20.97	20.84	21.6	1.0	
50	256QAM	1	1	18.85	19.06	18.95	19.6	3.0	
Channel				564000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2520	2535	2550	up limit (dB)		
40	QPSK	1	1	21.71	21.89	21.77	22.6	0.0	
Channel				503500	507000	510500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit (dB)		
35	QPSK	1	1	21.72	22.00	21.77	22.6	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555	up limit (dB)		
30	QPSK	1	1	21.75	21.93	21.88	22.6	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit (dB)		
25	QPSK	1	1	21.73	21.92	21.86	22.6	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2560	up limit (dB)		
20	QPSK	1	1	21.70	21.91	21.82	22.6	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit (dB)		
15	QPSK	1	1	21.74	21.94	21.83	22.6	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565	up limit (dB)		
10	QPSK	1	1	21.70	21.89	21.87	22.6	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit (dB)		
5	QPSK	1	1	21.80	21.95	21.88	22.6	0.0	

FR1 n66 Ant6 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P12 BPSK	1	1	22.02	22.13	21.97			
45	P12 BPSK	1	120	22.15	22.17	22.00	22.9	0.0	
45	P12 BPSK	1	240	21.98	22.08	22.11			
45	P12 BPSK	120	0	22.09	22.15	22.01	22.9	0.0	
45	P12 BPSK	120	60	22.04	22.03	21.93	22.9	0.0	
45	P12 BPSK	120	120	22.03	22.06	22.07			
45	P12 BPSK	240	0	22.10	22.05	22.09	22.9	0.0	
45	QPSK	1	1	22.08	22.20	22.04			
45	QPSK	1	120	22.07	22.10	22.03	22.9	0.0	
45	QPSK	1	240	22.11	22.07	21.98			
45	QPSK	120	0	22.01	22.04	21.96	22.9	0.0	
45	QPSK	120	60	21.97	22.13	21.96	22.9	0.0	
45	QPSK	120	120	22.12	22.06	21.96			
45	QPSK	240	0	22.05	22.05	21.97	22.9	0.0	
45	16QAM	1	1	21.98	22.09	22.04	22.9	0.0	
45	84QAM	1	1	21.13	21.17	21.02	21.9	1.0	
45	256QAM	1	1	19.08	19.23	19.01	19.9	3.0	
Channel				346000	349000	352000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1730	1745	1760	up limit (dB)		
40	QPSK	1	1	21.89	21.87	21.87	22.9	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)		
35	QPSK	1	1	21.93	22.01	21.96	22.9	0.0	
Channel				345000	350000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765	up limit (dB)		
30	QPSK	1	1	21.97	21.94	21.92	22.9	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)		
25	QPSK	1	1	21.89	21.98	21.99	22.9	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770	up limit (dB)		
20	QPSK	1	1	21.89	22.00	21.94	22.9	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)		
15	QPSK	1	1	21.95	22.01	22.01	22.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775	up limit (dB)		
10	QPSK	1	1	21.96	21.94	21.93	22.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)		
5	QPSK	1	1	21.88	21.95	21.91	22.9	0.0	

FR1 n38 Ant6 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				2590	2595	2600	
Frequency (MHz)				518000	519000	520000	
40	P12 BPSK	1	1	20.46	20.47	20.58	
40	P12 BPSK	1	33	20.42	20.55	20.47	21.8
40	P12 BPSK	1	104	20.33	20.58	20.60	0.0
40	P12 BPSK	50	0	20.50	20.57	20.54	21.8
40	P12 BPSK	50	28	20.38	20.53	20.55	21.8
40	P12 BPSK	50	56	20.34	20.53	20.52	21.8
40	P12 BPSK	100	0	20.49	20.51	20.59	21.8
40	QPSK	1	1	20.49	20.63	20.47	
40	QPSK	1	53	20.44	20.59	20.42	21.8
40	QPSK	1	104	20.45	20.53	20.40	0.0
40	QPSK	50	0	20.44	20.53	20.51	
40	QPSK	50	28	20.37	20.57	20.50	21.8
40	QPSK	50	56	20.35	20.45	20.46	21.8
40	QPSK	100	0	20.50	20.51	20.45	21.8
40	16QAM	1	1	20.39	20.41	20.53	21.8
40	8QAM	1	1	20.47	20.51	20.47	21.8
40	256QAM	1	1	18.53	18.60	18.42	19.8
Channel				517000	519000	521000	Tune-up limit (dB)
Frequency (MHz)				2585	2595	2605	
30	QPSK	1	1	20.31	20.42	20.29	21.8
Channel				516000	519000	521500	Tune-up limit (dB)
Frequency (MHz)				2582.5	2595	2607.5	
25	QPSK	1	1	20.32	20.50	20.29	21.8
Channel				515000	519000	522000	Tune-up limit (dB)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	20.36	20.49	20.30	21.8
Channel				515000	519000	522500	Tune-up limit (dB)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	1	20.29	20.44	20.32	21.8
Channel				515000	519000	523000	Tune-up limit (dB)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	1	20.28	20.45	20.32	21.8

FR1 n41 Ant6 DS13							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				550202	518598	530000	
Frequency (MHz)				2546.01	2592.99	2640	
100	P12 BPSK	1	1	20.58	20.83	20.63	
100	P12 BPSK	1	137	20.57	20.76	20.62	21.7
100	P12 BPSK	1	271	20.57	20.78	20.68	0.0
100	P12 BPSK	135	0	20.64	20.72	20.78	21.7
100	P12 BPSK	135	69	20.63	20.82	20.66	21.7
100	P12 BPSK	135	138	20.59	20.84	20.72	21.7
100	P12 BPSK	270	0	20.71	20.87	20.69	21.7
100	QPSK	1	1	20.63	20.90	20.62	
100	QPSK	1	137	20.59	20.75	20.67	21.7
100	QPSK	1	271	20.72	20.73	20.66	0.0
100	QPSK	135	0	20.63	20.89	20.69	
100	QPSK	135	69	20.61	20.87	20.72	21.7
100	QPSK	135	138	20.65	20.86	20.65	21.7
100	QPSK	270	0	20.67	20.85	20.67	21.7
100	16QAM	1	1	20.68	20.86	20.64	21.7
100	8QAM	1	1	20.52	20.77	20.77	21.7
100	256QAM	1	1	18.62	18.90	18.69	19.7
Channel				508200	518598	538998	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.98	
80	QPSK	1	1	20.36	20.64	20.54	21.7
Channel				507204	518598	539998	Tune-up limit (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	20.47	20.57	20.51	21.7
Channel				506202	518598	531000	Tune-up limit (dB)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	20.48	20.59	20.57	21.7
Channel				505200	518598	531996	Tune-up limit (dB)
Frequency (MHz)				2526	2592.99	2669.98	
60	QPSK	1	1	20.46	20.65	20.51	21.7
Channel				504204	518598	532998	Tune-up limit (dB)
Frequency (MHz)				2521.02	2592.99	2674.99	
50	QPSK	1	1	20.39	20.57	20.58	21.7
Channel				503700	518598	533496	Tune-up limit (dB)
Frequency (MHz)				2516.5	2592.99	2679.48	
45	QPSK	1	1	20.52	20.77	20.45	21.7
Channel				503202	518598	534000	Tune-up limit (dB)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	20.45	20.59	20.55	21.7
Channel				502704	518598	534498	Tune-up limit (dB)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	20.57	20.85	20.54	21.7
Channel				502200	518598	534996	Tune-up limit (dB)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	20.39	20.81	20.58	21.7
Channel				501702	518598	535500	Tune-up limit (dB)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	20.42	20.54	20.60	21.7
Channel				501204	518598	535998	Tune-up limit (dB)
Frequency (MHz)				2506.00	2592.99	2679.99	
20	QPSK	1	1	20.38	20.53	20.55	21.7
Channel				500700	518598	536496	Tune-up limit (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	20.40	20.62	20.58	21.7
Channel				500202	518598	537000	Tune-up limit (dB)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	20.40	20.62	20.50	21.7

FR1 n48 Ant9 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
40	P12 BPSK	1	1	15.99	16.27	16.22	
40	P12 BPSK	1	83	16.06	16.30	16.20	17.2
40	P12 BPSK	1	104	16.05	16.32	16.23	
40	P12 BPSK	50	0	16.07	16.35	16.25	17.2
40	P12 BPSK	50	28	16.01	16.37	16.24	17.2
40	P12 BPSK	50	55	16.07	16.33	16.19	
40	P12 BPSK	100	0	15.99	16.32	16.21	17.2
40	QPSK	1	1	16.01	16.45	16.26	
40	QPSK	1	53	16.07	16.36	16.25	17.2
40	QPSK	1	104	15.99	16.31	16.25	
40	QPSK	50	0	16.05	16.30	16.28	
40	QPSK	50	28	15.97	16.35	16.22	17.2
40	QPSK	50	55	15.96	16.34	16.22	
40	QPSK	100	0	16.05	16.34	16.27	17.2
40	16QAM	1	1	15.99	16.30	16.28	17.2
40	64QAM	1	1	16.07	16.26	16.23	17.2
40	256QAM	1	1	15.97	16.35	16.24	17.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	3550.02	3624.99	3694.99	up limit
Channel							
Frequency (MHz)							
20	QPSK	1	1	3560.01	3624.99	3690	up limit
Channel							
Frequency (MHz)							
15	QPSK	1	1	3557.82	3624.99	3692.49	up limit
Channel							
Frequency (MHz)							
10	QPSK	1	1	3555	3624.99	3694.98	up limit

PC3 FR1 n77 PartO Ant9 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	16.22	16.34	16.29	
100	P12 BPSK	1	137	16.23	16.40	16.24	17.4
100	P12 BPSK	1	271	16.25	16.40	16.28	
100	P12 BPSK	135	0	16.23	16.28	16.20	17.4
100	P12 BPSK	135	69	16.19	16.36	16.22	17.4
100	P12 BPSK	135	138	16.25	16.34	16.28	
100	P12 BPSK	270	0	16.27	16.29	16.28	17.4
100	QPSK	1	1	16.25	16.45	16.19	
100	QPSK	1	137	16.20	16.29	16.20	17.4
100	QPSK	1	271	16.22	16.34	16.28	
100	QPSK	135	0	16.24	16.34	16.29	
100	QPSK	135	69	16.21	16.36	16.21	17.4
100	QPSK	135	138	16.24	16.30	16.19	
100	QPSK	270	0	16.29	16.37	16.28	17.4
100	16QAM	1	1	16.26	16.30	16.27	17.4
100	64QAM	1	1	16.25	16.37	16.29	17.4
100	256QAM	1	1	16.27	16.38	16.27	17.4
Channel							
Frequency (MHz)							
90	QPSK	1	1	3745.02	3840	3934.98	up limit
Channel							
Frequency (MHz)							
80	QPSK	1	1	3740.01	3840	3939.99	up limit
Channel							
Frequency (MHz)							
70	QPSK	1	1	3735	3840	3945	up limit
Channel							
Frequency (MHz)							
60	QPSK	1	1	3725.01	3840	3944.99	up limit
Channel							
Frequency (MHz)							
50	QPSK	1	1	3715.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
40	QPSK	1	1	3710.01	3840	3939.99	up limit
Channel							
Frequency (MHz)							
30	QPSK	1	1	3705.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
25	QPSK	1	1	3700.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
20	QPSK	1	1	3695.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
15	QPSK	1	1	3690.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
10	QPSK	1	1	3685.02	3840.00	3934.98	up limit

PC2 FR1 n77 PartO Ant9 DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
100	P12 BPSK	1	1	19.24	19.37	19.21	
100	P12 BPSK	1	137	19.21	19.46	19.27	20.9
100	P12 BPSK	1	271	19.20	19.37	19.29	
100	P12 BPSK	135	0	19.23	19.28	19.18	20.9
100	P12 BPSK	135	69	19.14	19.39	19.24	20.9
100	P12 BPSK	135	138	19.30	19.35	19.27	
100	P12 BPSK	270	0	19.29	19.27	19.28	20.9
100	QPSK	1	1	19.30	19.48	19.16	
100	QPSK	1	137	19.20	19.34	19.24	20.9
100	QPSK	1	271	19.22	19.35	19.31	
100	QPSK	135	0	19.28	19.33	19.25	
100	QPSK	135	69	19.21	19.38	19.22	20.9
100	QPSK	135	138	19.28	19.36	19.26	
100	QPSK	270	0	19.30	19.39	19.23	20.9
100	16QAM	1	1	19.34	19.25	19.31	20.9
100	64QAM	1	1	19.30	19.43	19.29	20.9
100	256QAM	1	1	19.24	19.36	19.25	20.9
Channel							
Frequency (MHz)							
90	QPSK	1	1	3745.02	3840	3934.98	up limit
Channel							
Frequency (MHz)							
80	QPSK	1	1	3740.01	3840	3939.99	up limit
Channel							
Frequency (MHz)							
70	QPSK	1	1	3735	3840	3945	up limit
Channel							
Frequency (MHz)							
60	QPSK	1	1	3725.01	3840	3944.99	up limit
Channel							
Frequency (MHz)							
50	QPSK	1	1	3715.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
40	QPSK	1	1	3710.01	3840	3939.99	up limit
Channel							
Frequency (MHz)							
30	QPSK	1	1	3705.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
25	QPSK	1	1	3700.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
20	QPSK	1	1	3695.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
15	QPSK	1	1	3690.02	3840.00	3934.98	up limit
Channel							
Frequency (MHz)							
10	QPSK	1	1	3685.02	3840.00	3934.98	up limit

PC3 FR1 n77 PartQ Ant9 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1		16.53		17.4		0.0
100	Pi/2 BPSK	1	137		16.53				
100	Pi/2 BPSK	1	271		16.52		17.4		0.0
100	Pi/2 BPSK	135	0		16.50				
100	Pi/2 BPSK	135	69		16.50		17.4		0.0
100	Pi/2 BPSK	135	138		16.52		17.4		0.0
100	Pi/2 BPSK	270	0		16.47		17.4		0.0
100	QPSK	1	1		16.55		17.4		0.0
100	QPSK	1	137		16.50				
100	QPSK	1	271		16.47		17.4		0.0
100	QPSK	135	0		16.51				
100	QPSK	135	69		16.52		17.4		0.0
100	QPSK	135	138		16.46		17.4		0.0
100	QPSK	270	0		16.46		17.4		0.0
100	16QAM	1	1		16.49		17.4		0.0
100	64QAM	1	1		16.50		17.4		0.0
100	256QAM	1	1		16.51		17.4		0.0
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1	16.43	16.39	16.38	17.4	0.0	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1	16.43	16.36	16.36	17.4	0.0	
Channel				634851	3499.98	3514.98	up limit (dB)		
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1	16.38	16.43	16.36	17.4	0.0	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit		
60	QPSK	1	1	16.42	16.39	16.43	17.4	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3472.02	3499.98	3505	up limit		
50	QPSK	1	1	16.38	16.40	16.35	17.4	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3470.01	3499.98	3505.99	up limit		
40	QPSK	1	1	16.43	16.42	16.37	17.4	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit		
30	QPSK	1	1	16.43	16.46	16.44	17.4	0.0	
Channel				630834	633332	635832	Tune-up limit (dB)	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit		
25	QPSK	1	1	16.38	16.35	16.42	17.4	0.0	
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit		
20	QPSK	1	1	16.44	16.44	16.43	17.4	0.0	
Channel				630500	633332	636168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit		
15	QPSK	1	1	16.36	16.36	16.35	17.4	0.0	
Channel				630334	633332	636332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		
10	QPSK	1	1	16.45	16.38	16.41	17.4	0.0	

PC2 FR1 n77 PartQ Ant9 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1	19.50			20.9		
100	Pi/2 BPSK	1	137	19.47					
100	Pi/2 BPSK	1	271	19.49			20.9	0.0	0.0
100	Pi/2 BPSK	135	0	19.44					
100	Pi/2 BPSK	135	69	19.46			20.9	0.0	
100	Pi/2 BPSK	135	138	19.54			20.9	0.0	
100	Pi/2 BPSK	270	0	19.47			20.9	0.0	
100	QPSK	1	1	19.59			20.9	0.0	0.0
100	QPSK	1	137	19.49					
100	QPSK	1	271	19.44			20.9	0.0	0.0
100	QPSK	135	0	19.52					
100	QPSK	135	69	19.54			20.9	0.0	
100	QPSK	135	138	19.43			20.9	0.0	
100	QPSK	270	0	19.42			20.9	0.0	
100	16QAM	1	1	19.49			20.9	0.0	
100	64QAM	1	1	19.53			20.9	0.0	
100	256QAM	1	1	19.58			20.9	0.0	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1	19.45	19.43	19.40	20.9	0.0	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1	19.44	19.40	19.43	20.9	0.0	
Channel				632415	633332	634332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1	19.47	19.41	19.40	20.9	0.0	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3480	3499.98	3519.99	up limit		
60	QPSK	1	1	19.44	19.47	19.44	20.9	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3472.02	3499.98	3505	up limit		
50	QPSK	1	1	19.40	19.47	19.45	20.9	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3470.01	3499.98	3505.99	up limit		
40	QPSK	1	1	19.44	19.42	19.45	20.9	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3465	3499.98	3534.99	up limit		
30	QPSK	1	1	19.41	19.50	19.51	20.9	0.0	
Channel				630834	633332	635832	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit		
25	QPSK	1	1	19.44	19.47	19.45	20.9	0.0	
Channel				630668	633332	635998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3460.02	3499.98	3540	up limit		
20	QPSK	1	1	19.43	19.49	19.45	20.9	0.0	
Channel				630500	633332	635986	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit		
15	QPSK	1	1	19.41	19.43	19.50	20.9	0.0	
Channel				630334	633332	636332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		
10	QPSK	1	1	19.42	19.51	19.46	20.9	0.0	

PC3 FR1 n78 PartO Ant9 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		16.52			17.4	0.0
100	Pi/2 BPSK	1	137		16.56				
100	Pi/2 BPSK	1	221		16.46			17.4	0.0
100	Pi/2 BPSK	135	0		16.45			17.4	0.0
100	Pi/2 BPSK	135	69		16.49			17.4	0.0
100	Pi/2 BPSK	135	138		16.47			17.4	0.0
100	Pi/2 BPSK	270	0		16.50			17.4	0.0
100	QPSK	1	1		16.59			17.4	0.0
100	QPSK	1	137		16.46				
100	QPSK	1	221		16.50			17.4	0.0
100	QPSK	135	0		16.47			17.4	0.0
100	QPSK	135	69		16.55			17.4	0.0
100	QPSK	135	138		16.50			17.4	0.0
100	QPSK	270	0		16.55			17.4	0.0
100	16QAM	1	1		16.48			17.4	0.0
100	64QAM	1	1		16.49			17.4	0.0
100	256QAM	1	1		16.50			17.4	0.0
Channel				649668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3750	3754.98	Tune-up limit (dB)	MPR	
90	QPSK	1	1	16.33	16.42	16.34	17.4	17.4	0.0
Channel				649668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3750	3759.99	Tune-up limit (dB)	MPR	
80	QPSK	1	1	16.37	16.34	16.41	17.4	17.4	0.0
Channel				649600	650000	651000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735.02	3750	3765	Tune-up limit (dB)	MPR	
70	QPSK	1	1	16.38	16.33	16.38	17.4	17.4	0.0
Channel				649666	650000	651332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3750	3769.98	Tune-up limit (dB)	MPR	
60	QPSK	1	1	16.31	16.33	16.40	17.4	17.4	0.0
Channel				649334	650000	651666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3750	3774.99	Tune-up limit (dB)	MPR	
50	QPSK	1	1	16.39	16.33	16.35	17.4	17.4	0.0
Channel				649800	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3750	3780	Tune-up limit (dB)	MPR	
40	QPSK	1	1	16.40	16.34	16.33	17.4	17.4	0.0
Channel				647668	650000	652332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	Tune-up limit (dB)	MPR	
30	QPSK	1	1	16.32	16.42	16.31	17.4	17.4	0.0
Channel				647602	650000	652600	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.50	3750.00	3787.50	Tune-up limit (dB)	MPR	
25	QPSK	1	1	16.39	16.33	16.37	17.4	17.4	0.0
Channel				647224	650000	652800	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3750	3789.99	Tune-up limit (dB)	MPR	
20	QPSK	1	1	16.32	16.37	16.38	17.4	17.4	0.0
Channel				647188	650000	652892	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.50	3750	3792.50	Tune-up limit (dB)	MPR	
15	QPSK	1	1	16.31	16.34	16.40	17.4	17.4	0.0
Channel				647000	650000	653000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3750	3795	Tune-up limit (dB)	MPR	
10	QPSK	1	1	16.39	16.33	16.33	17.4	17.4	0.0

PC2 FR1 n78 PartO Ant9 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	P1/2 BPSK	1	1		19.56				
100	P1/2 BPSK	1	137		19.58		20.9	0.0	
100	P1/2 BPSK	1	271		19.55		20.9	0.0	
100	P1/2 BPSK	135	0		19.42		20.9	0.0	
100	P1/2 BPSK	135	69		19.47		20.9	0.0	
100	P1/2 BPSK	135	138		19.49		20.9	0.0	
100	P1/2 BPSK	270	0		19.48		20.9	0.0	
100	QPSK	1	1		19.65				
100	QPSK	1	137		19.47		20.9	0.0	
100	QPSK	1	271		19.44				
100	QPSK	135	0		19.47				
100	QPSK	135	69		19.59		20.9	0.0	
100	QPSK	135	138		19.46				
100	QPSK	270	0		19.50		20.9	0.0	
100	16QAM	1	1		19.53		20.9	0.0	
100	64QAM	1	1		19.49		20.9	0.0	
100	256QAM	1	1		19.50		20.9	0.0	
Channel				649668	650000	650332	Tune-	MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit	(dB)	
90	QPSK	1	1	19.61	19.52	19.52	20.9	0.0	
Channel				649334	650000	650666	Tune-	MPR	
Frequency (MHz)				3740.01	3750	3759.99	up limit	(dB)	
80	QPSK	1	1	19.67	19.57	19.50	20.9	0.0	
Channel				650203	650000	651000	Tune-	MPR	
Frequency (MHz)				3735	3750	3765	up limit	(dB)	
70	QPSK	1	1	19.62	19.60	19.59	20.9	0.0	
Channel				649668	650000	651332	Tune-	MPR	
Frequency (MHz)				3730.02	3750	3769.98	up limit	(dB)	
60	QPSK	1	1	19.62	19.57	19.51	20.9	0.0	
Channel				648334	650000	651666	Tune-	MPR	
Frequency (MHz)				3725.01	3750	3774.99	up limit	(dB)	
50	QPSK	1	1	19.58	19.52	19.57	20.9	0.0	
Channel				649000	650000	652000	Tune-	MPR	
Frequency (MHz)				3720	3750	3780	up limit	(dB)	
40	QPSK	1	1	19.60	19.59	19.54	20.9	0.0	
Channel				647668	650000	652332	Tune-	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	up limit	(dB)	
30	QPSK	1	1	19.51	19.58	19.56	20.9	0.0	
Channel				647000	650000	652000	Tune-	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	up limit	(dB)	
25	QPSK	1	1	19.51	19.57	19.60	20.9	0.0	
Channel				647334	650000	652666	Tune-	MPR	
Frequency (MHz)				3718.01	3750	3788.99	up limit	(dB)	
20	QPSK	1	1	19.57	19.59	19.61	20.9	0.0	
Channel				647168	650000	652332	Tune-	MPR	
Frequency (MHz)				3707.52	3750	3792.48	up limit	(dB)	
15	QPSK	1	1	19.60	19.53	19.60	20.9	0.0	
Channel				647000	650000	653000	Tune-	MPR	
Frequency (MHz)				3716	3750	3796	up limit	(dB)	
10	QPSK	1	1	19.58	19.57	19.51	20.9	0.0	

PC3 FR1 n78 PartQ Ant9 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		16.29				
100	P1/2 BPSK	1	137		16.31		17.4	0.0	
100	P1/2 BPSK	1	271		16.33				
100	P1/2 BPSK	135	0		16.33		17.4	0.0	
100	P1/2 BPSK	135	69		16.25		17.4	0.0	
100	P1/2 BPSK	135	138		16.27				
100	P1/2 BPSK	270	0		16.34		17.4	0.0	
100	QPSK	1	1		16.44				
100	QPSK	1	137		16.30		17.4	0.0	
100	QPSK	1	271		16.30				
100	QPSK	135	0		16.33				
100	QPSK	135	69		16.35		17.4	0.0	
100	QPSK	135	138		16.28				
100	QPSK	270	0		16.26		17.4	0.0	
100	16QAM	1	1		16.34		17.4	0.0	
100	64QAM	1	1		16.32		17.4	0.0	
100	256QAM	1	1		16.28		17.4	0.0	
Channel				633000	633332	633666	Tune-	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit	(dB)	
90	QPSK	1	1	16.28	16.26	16.27	17.4	0.0	
Channel				632668	633332	634000	Tune-	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1	16.22	16.22	16.21	17.4	0.0	
Channel				632334	633332	634332	Tune-	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1	16.21	16.29	16.20	17.4	0.0	
Channel				632000	633332	634666	Tune-	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit	(dB)	
60	QPSK	1	1	16.22	16.21	16.24	17.4	0.0	
Channel				631668	633332	635000	Tune-	MPR	
Frequency (MHz)				3475.02	3499.98	3525	up limit	(dB)	
50	QPSK	1	1	16.20	16.24	16.19	17.4	0.0	
Channel				631334	633332	635332	Tune-	MPR	
Frequency (MHz)				3470.01	3499.98	3529.99	up limit	(dB)	
40	QPSK	1	1	16.27	16.20	16.27	17.4	0.0	
Channel				631000	633332	635666	Tune-	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit	(dB)	
30	QPSK	1	1	16.23	16.21	16.20	17.4	0.0	
Channel				630834	633332	635832	Tune-	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit	(dB)	
25	QPSK	1	1	16.25	16.20	16.27	17.4	0.0	
Channel				630500	633332	636100	Tune-	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1	16.26	16.26	16.25	17.4	0.0	
Channel				630300	633332	636166	Tune-	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1	16.29	16.28	16.20	17.4	0.0	
Channel				630334	633332	636332	Tune-	MPR	
Frequency (MHz)				3465.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1	16.27	16.22	16.22	17.4	0.0	

PC2 FR1 n78 PartQ Ant9 DS13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				653332					
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		19.27				
100	P1/2 BPSK	1	137		19.34		20.9	0.0	
100	P1/2 BPSK	1	271		19.33				
100	P1/2 BPSK	135	0		19.34		20.9	0.0	
100	P1/2 BPSK	135	69		19.20		20.9	0.0	
100	P1/2 BPSK	135	138		19.26		20.9	0.0	
100	P1/2 BPSK	270	0		19.38		20.9	0.0	
100	QPSK	1	1		19.48				
100	QPSK	1	137		19.26		20.9	0.0	
100	QPSK	1	271		19.28				
100	QPSK	135	0		19.33				
100	QPSK	135	69		19.39		20.9	0.0	
100	QPSK	135	138		19.31				
100	QPSK	270	0		19.38		20.9	0.0	
100	16QAM	1	1		19.48				
100	16QAM	1	137		19.31		20.9	0.0	
100	16QAM	1	271		19.31				
100	16QAM	135	0		19.31		20.9	0.0	
100	256QAM	1	1		19.33				
Channel				613000	633332	634666			
Frequency (MHz)				63399	3499.98	6304.99	up limit		
90	QPSK	1	1	19.38	19.44	19.38	20.9	0.0	
Channel				636068	633332	634600			
Frequency (MHz)				3499.98	3499.98	3510	up limit		
80	QPSK	1	1	19.34	19.40	19.40	20.9	0.0	
Channel				613334	633332	634332			
Frequency (MHz)				3499.98	3499.98	3514.98	up limit		
70	QPSK	1	1	19.34	19.33	19.35	20.9	0.0	
Channel				613000	633332	634666			
Frequency (MHz)				3499.98	3499.98	3519.99	up limit		
60	QPSK	1	1	19.34	19.33	19.38	20.9	0.0	
Channel				631668	633332	635000			
Frequency (MHz)				3472.02	3499.98	3505	up limit		
50	QPSK	1	1	19.40	19.33	19.38	20.9	0.0	
Channel				631334	633332	635332			
Frequency (MHz)				3474.01	3499.98	3509.99	up limit		
40	QPSK	1	1	19.39	19.34	19.40	20.9	0.0	
Channel				631000	633332	635666			
Frequency (MHz)				3485	3499.98	3534.99	up limit		
30	QPSK	1	1	19.39	19.42	19.36	20.9	0.0	
Channel				630332	633332	635332			
Frequency (MHz)				3482.51	3499.98	3537.48	up limit		
25	QPSK	1	1	19.39	19.37	19.36	20.9	0.0	
Channel				630668	633332	636000			
Frequency (MHz)				3480.92	3499.98	3540	up limit		
20	QPSK	1	1	19.32	19.33	19.43	20.9	0.0	
Channel				630500	633332	635168			
Frequency (MHz)				3479.99	3499.98	3542.99	up limit		
15	QPSK	1	1	19.34	19.40	19.33	20.9	0.0	
Channel				630334	633332	636332			
Frequency (MHz)				3485.01	3499.98	3545.49	up limit		
10	QPSK	1	1	19.39	19.38	19.41	20.9	0.0	

FR1 n5 Ant0 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				168800	167300	167800		
Frequency (MHz)				834	836.5	838		
20	PI2 BPSK	1	1	25.29	25.29	25.16		
20	PI2 BPSK	1	53	25.28	25.27	25.26	25.7	0.0
20	PI2 BPSK	1	104	25.13	25.15	25.07		
20	PI2 BPSK	50	0	24.41	24.82	24.54	25.2	0.5
20	PI2 BPSK	50	28	25.31	25.26	25.07	25.7	0.0
20	PI2 BPSK	50	56	24.59	24.69	24.77		
20	PI2 BPSK	100	0	24.50	24.45	24.71	25.2	0.5
20	QPSK	1	1	25.30	25.37	25.28		
20	QPSK	1	53	25.17	25.33	25.07	25.7	0.0
20	QPSK	1	104	25.18	25.01	24.86		
20	QPSK	50	0	24.00	24.17	23.91	24.7	1.0
20	QPSK	50	28	24.90	25.35	24.88	25.7	0.0
20	QPSK	50	56	23.99	24.11	24.06		
20	QPSK	100	0	24.27	24.31	24.14	24.7	1.0
20	16QAM	1	1	24.14	24.11	24.00	24.7	1.0
20	64QAM	1	1	22.44	22.68	22.82	23.2	2.5
20	256QAM	1	1	20.45	20.45	20.55	21.2	4.5
Channel				169300	167300	169300	Tune- up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	up limit	(dB)
15	QPSK	1	1	25.34	25.21	25.16	25.7	0.0
Channel				169300	169200	169300	Tune- up limit	MPR
Frequency (MHz)				829	836.5	844	up limit	(dB)
10	QPSK	1	1	25.30	25.29	25.33	25.7	0.0
Channel				169300	167300	169300	Tune- up limit	MPR
Frequency (MHz)				836.5	836.5	846.5	up limit	(dB)
5	QPSK	1	1	25.15	25.14	25.34	25.7	0.0

Reduced Power Mode for DSI 4

FR1 n12 Ant0 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				141500	141500	141700		
Frequency (MHz)				718.5	707.5	718.5		
15	PI2 BPSK	1	1	24.41	24.57	24.51		
15	PI2 BPSK	1	40	24.38	24.54	24.37	25.5	0.0
15	PI2 BPSK	1	77	24.25	24.46	24.25		
15	PI2 BPSK	36	0	23.94	24.05	23.98	25.0	0.5
15	PI2 BPSK	36	22	24.45	24.44	24.23	25.5	0.0
15	PI2 BPSK	36	43	23.81	24.02	23.91		
15	PI2 BPSK	75	0	24.02	24.04	24.02	25.0	0.5
15	QPSK	1	1	24.43	24.63	24.53		
15	QPSK	1	40	24.45	24.54	24.55	25.5	0.0
15	QPSK	1	77	24.54	24.59	24.52		
15	QPSK	36	0	23.52	23.52	23.41	24.5	1.0
15	QPSK	36	22	24.57	24.57	24.48	24.5	0.0
15	QPSK	36	43	23.34	23.53	23.53		
15	QPSK	75	0	23.47	23.56	23.44	24.5	1.0
15	16QAM	1	1	23.89	23.87	23.85	24.5	1.0
15	64QAM	1	1	22.02	22.23	22.05	23.0	2.5
15	256QAM	1	1	19.97	20.09	20.07	21.0	4.5
Channel				140900	141500	142300	Tune- up limit	MPR
Frequency (MHz)				704	707.5	711	up limit	(dB)
10	QPSK	1	1	24.62	24.51	24.56	25.5	0.0
Channel				141300	141500	142000	Tune- up limit	MPR
Frequency (MHz)				701.5	707.5	713.5	up limit	(dB)
5	QPSK	1	1	24.52	24.58	24.57	25.5	0.0

FR1 n26 Ant0 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				164300	165300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	25.20	25.18	25.03		
20	PI2 BPSK	1	53	25.15	25.23	25.25	25.7	0.0
20	PI2 BPSK	1	104	25.01	25.15	25.18		
20	PI2 BPSK	50	0	24.56	24.67	24.55	25.2	0.5
20	PI2 BPSK	50	28	25.20	25.13	25.03	25.7	0.0
20	PI2 BPSK	50	56	24.54	24.67	24.78		
20	PI2 BPSK	100	0	24.47	24.59	24.73	25.2	0.5
20	QPSK	1	1	25.19	25.25	25.22		
20	QPSK	1	53	25.18	25.24	25.14	25.7	0.0
20	QPSK	1	104	25.13	24.99	25.04		
20	QPSK	50	0	23.94	24.04	24.04	24.7	1.0
20	QPSK	50	28	25.03	25.21	25.02	25.7	0.0
20	QPSK	50	56	24.06	24.15	24.05		
20	QPSK	100	0	24.16	24.22	24.17	24.7	1.0
20	16QAM	1	1	24.03	24.12	24.06	24.7	1.0
20	64QAM	1	1	22.58	22.67	22.79	23.2	2.5
20	256QAM	1	1	20.47	20.57	20.67	21.2	4.5
Channel				164300	166300	168300	Tune- up limit	MPR
Frequency (MHz)				821.5	831.5	841.5	up limit	(dB)
15	QPSK	1	1	25.18	25.18	25.15	25.7	0.0
Channel				163300	163100	163300	Tune- up limit	MPR
Frequency (MHz)				819	831.5	844	up limit	(dB)
10	QPSK	1	1	25.18	25.21	25.14	25.7	0.0
Channel				163300	165300	166300	Tune- up limit	MPR
Frequency (MHz)				816.5	831.5	846.5	up limit	(dB)
5	QPSK	1	1	25.06	25.16	25.21	25.7	0.0

FR1 n5 Ant1 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				16800	16700	16700		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.51	22.67	22.51		
20	PI2 BPSK	1	53	22.51	22.51	22.52	23.5	0.0
20	PI2 BPSK	1	104	22.56	22.67	22.61		
20	PI2 BPSK	50	0	22.54	22.66	22.56	23.5	0.0
20	PI2 BPSK	50	28	22.53	22.51	22.42	23.5	0.0
20	PI2 BPSK	50	55	22.50	22.66	22.66		
20	PI2 BPSK	100	0	22.53	22.59	22.56	23.5	0.0
20	QPSK	1	1	22.62	22.68	22.66		
20	QPSK	1	53	22.45	22.67	22.47	23.5	0.0
20	QPSK	1	104	22.52	22.48	22.57		
20	QPSK	50	0	22.51	22.51	22.51	23.5	0.0
20	QPSK	50	28	22.58	22.60	22.48	23.5	0.0
20	QPSK	50	55	22.54	22.57	22.54	23.5	0.0
20	QPSK	100	0	22.49	22.54	22.52		
20	16QAM	1	1	22.47	22.55	22.56	23.5	0.0
20	64QAM	1	1	22.11	22.10	21.95	23.0	0.5
20	256QAM	1	1	20.16	20.11	20.25	21.0	2.5
Channel				168300	167300	168300	Tune- up limit (dB)	MPR
Frequency (MHz)				831.5	836.5	841.5	up limit	(dB)
15	QPSK	1	1	22.44	22.60	22.45	23.5	0.0
Channel				165900	167900	165900	Tune- up limit	MPR
Frequency (MHz)				829	836.5	844	up limit	(dB)
10	QPSK	1	1	22.45	22.65	22.45	23.5	0.0
Channel				165300	167800	165300	Tune- up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	up limit	(dB)
5	QPSK	1	1	22.34	22.66	22.43	23.5	0.0

FR1 n12 Ant1 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	24.15	24.31	24.24		
15	PI2 BPSK	1	40	24.31	24.27	24.23	25.0	0.0
15	PI2 BPSK	1	77	24.26	24.34	24.17		
15	PI2 BPSK	36	0	23.80	23.72	23.78	24.5	0.5
15	PI2 BPSK	36	22	24.30	24.32	24.20	25.0	0.0
15	PI2 BPSK	36	43	23.82	23.64	23.62		
15	PI2 BPSK	75	0	23.92	23.57	23.53	24.5	0.5
15	QPSK	1	1	24.30	24.38	24.34		
15	QPSK	1	40	24.24	24.15	24.33	25.0	0.0
15	QPSK	1	77	24.20	24.36	24.35		
15	QPSK	36	0	23.07	23.27	23.37	24.0	1.0
15	QPSK	36	22	24.31	24.37	24.31	25.0	0.0
15	QPSK	36	43	23.31	23.16	23.14		
15	QPSK	75	0	23.12	23.29	23.20	24.0	1.0
15	16QAM	1	1	23.28	23.48	23.39	24.0	1.0
15	64QAM	1	1	21.97	21.92	21.97	22.5	2.5
15	256QAM	1	1	20.07	20.21	20.07	20.5	4.5
Channel				140800	141500	142200	Tune- up limit	MPR
Frequency (MHz)				704	707.5	711	up limit	(dB)
10	QPSK	1	1	24.16	24.21	24.13	25.0	0.0
Channel				140300	141500	142000	Tune- up limit	MPR
Frequency (MHz)				701.5	707.5	713.5	up limit	(dB)
5	QPSK	1	1	24.15	24.27	24.24	25.0	0.0

FR1 n26 Ant1 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				168300	168200	168300		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.24	22.22	22.23		
20	PI2 BPSK	1	53	22.23	22.16	21.97	23.0	0.0
20	PI2 BPSK	1	104	22.10	22.02	21.96		
20	PI2 BPSK	50	0	22.16	22.21	22.17	23.0	0.0
20	PI2 BPSK	50	28	22.10	22.19	22.02	23.0	0.0
20	PI2 BPSK	50	56	22.06	22.06	21.96		
20	PI2 BPSK	100	0	22.19	22.17	22.05	23.0	0.0
20	QPSK	1	1	22.21	22.25	22.20		
20	QPSK	1	53	22.14	22.20	22.05	23.0	0.0
20	QPSK	1	104	22.06	22.01	22.01		
20	QPSK	50	0	22.16	22.20	22.04	23.0	0.0
20	QPSK	50	28	22.18	22.23	22.05	23.0	0.0
20	QPSK	50	56	22.14	22.19	22.05	23.0	0.0
20	QPSK	100	0	22.10	22.22	21.95		
20	16QAM	1	1	22.09	22.18	22.03	23.0	0.0
20	64QAM	1	1	22.07	22.14	22.01	23.0	0.0
20	256QAM	1	1	20.11	20.18	20.14	21.0	2.0
Channel				164300	168300	168300	Tune- up limit	MPR
Frequency (MHz)				821.5	831.5	841.5	up limit	(dB)
15	QPSK	1	1	22.17	22.21	21.94	23.0	0.0
Channel				163800	168300	168300	Tune- up limit	MPR
Frequency (MHz)				819	831.5	844	up limit	(dB)
10	QPSK	1	1	22.18	22.18	21.92	23.0	0.0
Channel				163300	168300	168300	Tune- up limit	MPR
Frequency (MHz)				816.5	831.5	846.5	up limit	(dB)
5	QPSK	1	1	22.21	22.23	21.95	23.0	0.0

FR1 n7 Ant3 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				56500	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI2 BPSK	1	1	24.21	24.29	24.39			
50	PI2 BPSK	1	135	23.91	23.93	23.88	25.0	0.0	
50	PI2 BPSK	1	259	24.06	24.07	24.01			
50	PI2 BPSK	135	0	23.54	23.64	23.58	24.5	0.5	
50	PI2 BPSK	135	68	23.98	24.11	23.80	25.0	0.0	
50	PI2 BPSK	135	135	23.12	23.40	23.15			
50	PI2 BPSK	270	0	23.50	23.66	23.53	24.5	0.5	
50	QPSK	1	1	24.24	24.37	24.31			
50	QPSK	1	135	24.08	24.29	24.24	25.0	0.0	
50	QPSK	1	259	24.03	24.35	24.13			
50	QPSK	135	0	23.05	23.18	23.14	24.0	1.0	
50	QPSK	135	68	24.08	24.14	24.09	25.0	0.0	
50	QPSK	135	135	22.64	22.81	22.76	24.0	1.0	
50	QPSK	270	0	22.85	23.07	23.02			
50	16QAM	1	1	23.00	23.18	23.06	24.0	1.0	
50	64QAM	1	1	21.38	21.59	21.51	22.5	2.5	
50	256QAM	1	1	19.60	19.70	19.81	20.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2530	2535	2550			
40	QPSK	1	1	24.11	24.17	24.23	25.0	0.0	
Channel				503500	507000	510500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	24.17	24.36	24.13	25.0	0.0	
Channel				501500	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	24.16	24.22	24.28	25.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	24.23	24.31	24.30	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	24.22	24.30	24.23	25.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	24.05	24.29	24.31	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	24.15	24.24	24.20	25.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	24.19	24.16	24.30	25.0	0.0	

FR1 n66 Ant3 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	PI2 BPSK	1	1	23.87	24.03	23.93			
45	PI2 BPSK	1	120	23.84	23.92	23.80	25.0	0.0	
45	PI2 BPSK	1	240	23.90	24.06	23.85			
45	PI2 BPSK	120	0	23.33	23.54	23.44	24.5	0.5	
45	PI2 BPSK	120	60	23.86	23.91	23.70	25.0	0.0	
45	PI2 BPSK	120	120	23.01	23.19	23.08			
45	PI2 BPSK	240	0	23.25	23.45	23.30	24.5	0.5	
45	QPSK	1	1	24.14	24.19	24.16			
45	QPSK	1	120	23.97	24.16	24.15	25.0	0.0	
45	QPSK	1	240	23.98	24.14	23.98			
45	QPSK	120	0	22.84	23.03	22.96	24.0	1.0	
45	QPSK	120	60	23.86	23.93	23.86	25.0	0.0	
45	QPSK	120	120	22.90	22.71	22.97	24.0	1.0	
45	QPSK	240	0	22.75	22.97	22.89			
45	16QAM	1	1	22.80	22.95	22.95	24.0	1.0	
45	64QAM	1	1	21.35	21.43	21.30	22.5	2.5	
45	256QAM	1	1	19.51	19.60	19.59	20.5	4.5	
Channel				346000	349000	352000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	24.00	23.99	24.04	25.0	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	23.97	24.10	24.01	25.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	24.09	24.13	24.18	25.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.98	24.10	24.16	25.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	24.02	24.00	24.11	25.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	24.13	24.05	24.17	25.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.99	24.12	24.12	25.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.95	24.04	24.17	25.0	0.0	

FR1 n38 Ant3 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	518000	520000			
Frequency (MHz)				2590	2595	2590			
40	PI/2 BPSK	1	1	23.89	23.97	23.88			
40	PI/2 BPSK	1	53	23.84	23.71	23.63	25.0	0.0	
40	PI/2 BPSK	1	104	23.46	23.66	23.54			
40	PI/2 BPSK	50	0	22.90	23.11	22.96	24.5	0.5	
40	PI/2 BPSK	50	28	23.18	23.18	23.16	25.0	0.0	
40	PI/2 BPSK	50	55	23.02	23.18	23.15			
40	PI/2 BPSK	100	0	23.31	23.36	23.38	24.5	0.5	
40	QPSK	1	1	23.85	24.02	23.94			
40	QPSK	1	53	23.67	23.76	23.74	25.0	0.0	
40	QPSK	1	104	23.54	23.69	23.60			
40	QPSK	50	0	23.09	23.20	23.15			
40	QPSK	50	28	23.67	23.70	23.63	25.0	0.0	
40	QPSK	50	55	23.04	23.25	23.32			
40	QPSK	100	0	22.84	22.75	22.72	24.0	1.0	
40	16QAM	1	1	22.72	22.94	22.77	24.0	1.0	
40	16QAM	1	1	21.42	21.41	21.32	22.5	2.5	
40	256QAM	1	1	19.14	19.32	19.26	20.5	4.5	
Channel				517000	519000	521000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2585	2595	2605			
30	QPSK	1	1	23.83	23.87	23.84	25.0	0.0	
Channel				516500	518500	520500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2582.5	2595	2607.5			
25	QPSK	1	1	23.92	23.91	23.95	25.0	0.0	
Channel				516000	518000	520000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.83	23.93	23.88	25.0	0.0	
Channel				515500	518000	520500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	1	23.80	23.84	23.85	25.0	0.0	
Channel				515000	518000	520000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	1	23.98	23.82	23.75	25.0	0.0	

FR1 n41 Ant3 DSI 4									
FCC									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518996	530000			
Frequency (MHz)				2586.01	2592.99	2600			
100	PI/2 BPSK	1	1	24.08	24.17	24.15			
100	PI/2 BPSK	1	137	24.06	24.16	24.19	25.0	0.0	
100	PI/2 BPSK	1	271	24.07	24.17	24.18			
100	PI/2 BPSK	135	0	23.63	23.86	23.70	24.5	0.5	
100	PI/2 BPSK	135	69	24.12	24.17	24.18	25.0	0.0	
100	PI/2 BPSK	135	138	23.95	23.86	23.71			
100	PI/2 BPSK	270	0	23.73	23.79	23.78	24.5	0.5	
100	QPSK	1	1	24.17	24.32	24.25			
100	QPSK	1	137	24.08	24.21	24.12	25.0	0.0	
100	QPSK	1	271	24.08	24.18	24.10			
100	QPSK	135	0	24.11	24.27	24.16			
100	QPSK	135	69	24.03	24.28	24.13	25.0	0.0	
100	QPSK	135	138	24.12	24.26	24.10			
100	QPSK	270	0	23.22	23.35	23.31	24.0	1.0	
100	16QAM	1	1	23.15	23.33	23.27	24.0	1.0	
100	16QAM	1	1	21.67	21.67	21.71	22.5	2.5	
100	256QAM	1	1	19.72	19.67	19.77	20.5	4.5	
Channel				508200	518996	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2581	2592.99	2604.98			
90	QPSK	1	1	24.08	24.22	24.17	25.0	0.0	
Channel				507200	518996	529996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2586.02	2592.99	2604.99			
80	QPSK	1	1	24.08	24.26	24.20	25.0	0.0	
Channel				506200	518996	531000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2581.01	2592.99	2605			
70	QPSK	1	1	24.02	24.20	24.19	25.0	0.0	
Channel				505200	518996	531996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2586	2592.99	2605.98			
60	QPSK	1	1	24.03	24.25	24.20	25.0	0.0	
Channel				504204	518996	532996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2584.02	2592.99	2604.99			
50	QPSK	1	1	24.03	24.23	24.11	25.0	0.0	
Channel				503700	518996	533496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2581.5	2592.99	2607.48			
45	QPSK	1	1	24.08	24.22	24.15	25.0	0.0	
Channel				503202	518996	534000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2586.01	2592.99	2607			
40	QPSK	1	1	24.02	24.20	24.16	25.0	0.0	
Channel				502704	518996	534496	Tune-up limit (dB)	MPR	
Frequency (MHz)				25813.52	2592.99	26072.48			
35	QPSK	1	1	24.05	24.19	24.18	25.0	0.0	
Channel				502200	518996	534996	Tune-up limit (dB)	MPR	
Frequency (MHz)				25811	2592.99	26074.98			
30	QPSK	1	1	24.03	24.20	24.15	25.0	0.0	
Channel				501702	518996	535500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580.51	2592.99	26077.5			
25	QPSK	1	1	24.09	24.27	24.17	25.0	0.0	
Channel				501204	518996	535996	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580.09	2592.99	26076.09			
20	QPSK	1	1	24.05	24.24	24.14	25.0	0.0	
Channel				500700	518996	536496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580.5	2592.99	26072.48			
15	QPSK	1	1	24.02	24.23	24.14	25.0	0.0	
Channel				500202	518996	537000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2580.01	2592.99	26065			
10	QPSK	1	1	24.12	24.18	24.16	25.0	0.0	

FR1 n2 Ant4 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				374900	376000	378000			
40	PI2 BPSK	1	1	24.17	24.07	24.20			
40	PI2 BPSK	1	108	24.24	24.15	24.27	25.0	0.0	
40	PI2 BPSK	1	214	24.32	24.44	24.26			
40	PI2 BPSK	108	0	23.65	23.63	23.65	24.5	0.5	
40	PI2 BPSK	108	54	24.39	24.36	24.33	25.0	0.0	
40	PI2 BPSK	108	108	23.71	23.85	23.75	24.5	0.5	
40	PI2 BPSK	216	0	23.76	23.70	23.85	24.5	0.5	
40	QPSK	1	1	24.41	24.45	24.40			
40	QPSK	1	108	24.19	24.18	24.19	25.0	0.0	
40	QPSK	1	214	24.23	24.20	24.31			
40	QPSK	108	0	23.21	23.18	23.28	24.0	1.0	
40	QPSK	108	54	24.27	24.28	24.21	25.0	0.0	
40	QPSK	108	108	23.37	23.24	23.26	24.0	1.0	
40	QPSK	216	0	23.39	23.45	23.42	24.0	1.0	
40	16QAM	1	1	23.13	23.02	23.06	24.0	1.0	
40	64QAM	1	1	21.63	21.69	21.64	22.5	2.5	
40	256QAM	1	1	19.50	19.59	19.62	20.5	4.5	
Channel									
Frequency (MHz)				375900	376900	378900			
35	QPSK	1	1	19.67	19.63	19.65	19.5	MPR	
35	QPSK	1	1	24.02	23.98	23.91	25.0	MPR	
Channel									
Frequency (MHz)				373900	376000	379000			
30	QPSK	1	1	19.68	19.68	19.68	19.5	MPR	
30	QPSK	1	1	23.97	24.02	23.93	25.0	0.0	
Channel									
Frequency (MHz)				374500	376000	379500			
25	QPSK	1	1	19.75	19.80	19.67	19.5	MPR	
25	QPSK	1	1	24.06	24.01	24.03	25.0	0.0	
Channel									
Frequency (MHz)				375500	376000	380000			
20	QPSK	1	1	24.17	24.10	24.03	25.0	0.0	
20	QPSK	1	1	24.06	24.01	24.03	25.0	0.0	
Channel									
Frequency (MHz)				187500	188000	1902.5			
15	QPSK	1	1	24.15	24.14	23.97	25.0	0.0	
15	QPSK	1	1	24.06	24.01	24.03	25.0	0.0	
Channel									
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	24.03	24.11	24.02	25.0	0.0	
10	QPSK	1	1	24.03	24.11	24.02	25.0	0.0	
Channel									
Frequency (MHz)				376000	376000	381500			
5	QPSK	1	1	19.67	19.63	19.65	19.5	MPR	
5	QPSK	1	1	24.11	24.12	23.99	25.0	0.0	

FR1 n7 Ant4 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				506000	507000	508000			
50	PI2 BPSK	1	1	25.43	25.34	25.32			
50	PI2 BPSK	1	135	24.90	24.94	24.90	25.7	0.0	
50	PI2 BPSK	1	269	25.31	25.35	25.35			
50	PI2 BPSK	135	0	24.79	24.86	24.97	25.2	0.5	
50	PI2 BPSK	135	68	25.03	24.94	24.94	25.7	0.0	
50	PI2 BPSK	135	135	24.51	24.49	24.61	25.2	0.5	
50	PI2 BPSK	270	0	24.83	24.72	24.90			
50	QPSK	1	1	25.48	25.50	25.49			
50	QPSK	1	135	24.41	24.26	24.26	25.7	0.0	
50	QPSK	1	269	24.95	24.45	24.54			
50	QPSK	135	0	23.75	23.81	23.58	24.7	1.0	
50	QPSK	135	68	24.35	24.43	24.34	25.7	0.0	
50	QPSK	135	135	23.45	23.50	23.33	24.7	1.0	
50	QPSK	270	0	23.50	23.51	23.50	24.7	1.0	
50	16QAM	1	1	24.27	24.11	24.28	24.7	1.0	
50	64QAM	1	1	22.71	22.72	22.64	23.2	2.5	
50	256QAM	1	1	20.95	20.84	20.96	21.2	4.5	
Channel									
Frequency (MHz)				508000	509000	510000			
40	QPSK	1	1	25.34	25.36	25.27	25.7	0.0	
Channel									
Frequency (MHz)				509000	510000	510000			
35	QPSK	1	1	25.34	25.35	25.27	25.7	0.0	
35	QPSK	1	1	25.38	25.46	25.27	25.7	0.0	
Channel									
Frequency (MHz)				511000	512000	511000			
30	QPSK	1	1	25.41	25.33	25.44	25.7	0.0	
30	QPSK	1	1	25.48	25.48	25.38	25.7	0.0	
Channel									
Frequency (MHz)				512000	513000	512000			
25	QPSK	1	1	25.41	25.33	25.44	25.7	0.0	
25	QPSK	1	1	25.41	25.33	25.44	25.7	0.0	
Channel									
Frequency (MHz)				513000	514000	513000			
20	QPSK	1	1	25.46	25.41	25.39	25.7	0.0	
20	QPSK	1	1	25.46	25.41	25.39	25.7	0.0	
Channel									
Frequency (MHz)				515000	516000	515000			
15	QPSK	1	1	25.33	25.41	25.49	25.7	0.0	
15	QPSK	1	1	25.33	25.41	25.49	25.7	0.0	
Channel									
Frequency (MHz)				516000	517000	516000			
10	QPSK	1	1	25.44	25.32	25.29	25.7	0.0	
10	QPSK	1	1	25.44	25.32	25.29	25.7	0.0	
Channel									
Frequency (MHz)				518000	519000	518000			
5	QPSK	1	1	25.39	25.44	25.33	25.7	0.0	

FR1 n25 Ant4 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
				374000	376500	379000			
				1860	1862.5	1865			
40	PI2 BPSK	1	1	24.10	24.30	24.26			
40	PI2 BPSK	1	108	24.17	24.25	24.25	25.0	0.0	
40	PI2 BPSK	1	214	24.18	24.35	24.15			
40	PI2 BPSK	108	0	23.80	23.94	23.84	24.5	0.5	
40	PI2 BPSK	108	54	24.27	24.34	24.16	25.0	0.0	
40	PI2 BPSK	108	108	23.76	23.78	23.67			
40	PI2 BPSK	216	0	24.01	24.02	24.00	24.5	0.5	
40	QPSK	1	1	24.39	24.45	24.25			
40	QPSK	1	108	24.13	24.33	24.22	25.0	0.0	
40	QPSK	1	214	24.40	24.44	24.44			
40	QPSK	108	0	23.31	23.40	23.31	24.0	1.0	
40	QPSK	108	54	24.33	24.42	24.33	25.0	0.0	
40	QPSK	108	108	23.26	23.28	23.27			
40	QPSK	216	0	23.35	23.43	23.33			
40	16QAM	1	1	23.28	23.27	23.21	24.0	1.0	
40	64QAM	1	1	21.89	21.76	21.55	22.5	2.5	
40	256QAM	1	1	19.43	19.59	19.38	20.5	4.5	
Channel									
				374000	376500	379600	Tune-up	MPR	
				1862.5	1862.5	1867.5	up limit	(dB)	
35	QPSK	1	1	24.34	24.37	24.25	25.0	0.0	
Channel									
				373000	376500	380000	Tune-up	MPR	
				1862.5	1865	1865	up limit	(dB)	
30	QPSK	1	1	24.18	24.24	24.07	25.0	0.0	
Channel									
				373000	376600	380000	Tune-up	MPR	
				1862.5	1862.5	1907.5	up limit	(dB)	
25	QPSK	1	1	24.31	24.39	24.09	25.0	0.0	
Channel									
				373000	376500	381000	Tune-up	MPR	
				1862.5	1862.5	1907.5	up limit	(dB)	
20	QPSK	1	1	24.32	24.40	24.27	25.0	0.0	
Channel									
				374000	376500	381500	Tune-up	MPR	
				1862.5	1862.5	1907.5	up limit	(dB)	
15	QPSK	1	1	24.27	24.44	24.13	25.0	0.0	
Channel									
				374000	376500	382000	Tune-up	MPR	
				1865	1862.5	1910	up limit	(dB)	
10	QPSK	1	1	24.17	24.39	24.24	25.0	0.0	
Channel									
				373000	376500	382500	Tune-up	MPR	
				1862.5	1862.5	1912.5	up limit	(dB)	
5	QPSK	1	1	24.30	24.40	24.16	25.0	0.0	

FR1 n66 Ant4 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)
Channel				346000	349000	351900	
Frequency (MHz)				1732.5	1745	1757.5	
45	PB2 BPSK	1	1	24.44	24.27	24.32	
45	PB2 BPSK	1	120	24.20	24.23	24.27	25.0
45	PB2 BPSK	1	240	24.21	24.19	24.33	0.0
45	PB2 BPSK	120	0	23.61	23.66	23.77	24.5
45	PB2 BPSK	120	60	24.06	24.12	24.15	25.0
45	PB2 BPSK	120	120	23.53	23.50	23.61	24.5
45	PB2 BPSK	240	0	23.78	23.60	23.78	0.5
45	QPSK	1	1	24.48	24.51	24.49	
45	QPSK	1	120	24.23	24.27	24.34	25.0
45	QPSK	1	240	24.29	24.15	24.35	0.0
45	QPSK	120	0	23.21	23.38	23.36	24.0
45	QPSK	120	60	24.12	24.13	24.01	25.0
45	QPSK	120	120	23.09	23.56	23.11	24.0
45	QPSK	240	0	23.11	23.25	23.34	1.0
45	16QAM	1	1	23.29	23.44	23.52	24.0
45	64QAM	1	1	21.59	21.63	21.77	22.5
45	256QAM	1	1	19.67	19.79	19.97	20.5
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	up limit
40	QPSK	1	1	24.47	24.51	24.48	25.0
Channel				345500	349000	352500	
Frequency (MHz)				1727.5	1745	1762.5	up limit
35	QPSK	1	1	24.44	24.39	24.48	25.0
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	up limit
30	QPSK	1	1	24.37	24.29	24.40	25.0
Channel				344500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	up limit
25	QPSK	1	1	24.38	24.45	24.46	25.0
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	up limit
20	QPSK	1	1	24.37	24.41	24.37	25.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	up limit
15	QPSK	1	1	24.48	24.43	24.44	25.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	up limit
10	QPSK	1	1	24.37	24.48	24.41	25.0
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	up limit
5	QPSK	1	1	24.43	24.35	24.37	25.0

FR1 n38 Ant4 DSI 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				2590	2595	2600	
Frequency (MHz)				2590	2595	2600	
40	P12 BPSK	1	1	25.06	25.10	25.25	
40	P12 BPSK	1	83	24.89	24.94	24.93	25.7
40	P12 BPSK	1	104	24.87	24.93	24.93	
40	P12 BPSK	50	0	24.57	24.53	24.67	25.2
40	P12 BPSK	50	28	24.58	25.07	25.08	25.7
40	P12 BPSK	50	55	24.49	24.60	24.49	25.2
40	P12 BPSK	100	0	24.50	24.48	24.53	25.2
40	QPSK	1	1	25.29	25.31	25.30	
40	QPSK	1	53	24.54	24.88	24.89	25.7
40	QPSK	1	104	25.01	24.87	24.85	
40	QPSK	50	0	24.11	23.98	24.22	
40	QPSK	50	28	25.00	25.04	25.02	25.7
40	QPSK	50	55	24.12	24.09	24.06	
40	QPSK	100	0	24.07	24.16	24.08	24.7
40	16QAM	1	1	24.09	24.06	24.13	24.7
40	64QAM	1	1	22.45	22.49	22.59	23.2
40	256QAM	1	1	20.43	20.57	20.49	21.2
Channel				517000	518000	521000	Tune-up limit (dB)
Frequency (MHz)				2595	2595	2605	up limit
30	QPSK	1	1	25.12	25.30	25.12	25.7
Channel				518500	519000	521500	Tune-up limit (dB)
Frequency (MHz)				2592.5	2595	2607.5	up limit
25	QPSK	1	1	25.27	25.29	25.13	25.7
Channel				519200	519300	520100	Tune-up limit (dB)
Frequency (MHz)				2580	2595	2610	up limit
20	QPSK	1	1	25.25	25.10	25.12	25.7
Channel				519500	519600	520200	Tune-up limit (dB)
Frequency (MHz)				2577.5	2595	2612.5	up limit
15	QPSK	1	1	25.29	25.27	25.19	25.7
Channel				519800	519900	520300	Tune-up limit (dB)
Frequency (MHz)				2575	2595	2615	up limit
10	QPSK	1	1	25.12	25.26	25.18	25.7

PC3 FR1 n41 Ant4 DSI 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				500202	518598	530000	
Frequency (MHz)				2546.01	2592.99	2640	
100	P12 BPSK	1	1	25.14	25.33	25.17	
100	P12 BPSK	1	137	25.24	25.36	25.23	25.7
100	P12 BPSK	1	271	25.13	25.38	25.22	
100	P12 BPSK	135	0	24.81	24.90	24.85	25.2
100	P12 BPSK	135	69	25.13	25.33	25.21	25.7
100	P12 BPSK	135	138	24.72	24.90	24.85	25.2
100	P12 BPSK	270	0	24.77	24.90	24.88	
100	QPSK	1	1	25.26	25.41	25.33	
100	QPSK	1	137	25.17	25.34	25.21	25.7
100	QPSK	1	271	25.16	25.34	25.26	
100	QPSK	135	0	25.19	25.36	25.18	
100	QPSK	135	69	25.20	25.37	25.26	25.7
100	QPSK	135	138	25.22	25.34	25.25	
100	QPSK	270	0	24.92	24.43	24.28	24.7
100	16QAM	1	1	24.31	24.44	24.34	24.7
100	64QAM	1	1	22.74	22.91	22.85	23.2
100	256QAM	1	1	20.70	20.94	20.77	21.2
Channel				508200	518598	530996	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.98	up limit
90	QPSK	1	1	25.14	25.26	25.29	25.7
Channel				517204	518598	529998	Tune-up limit (dB)
Frequency (MHz)				2536.02	2592.99	2649.98	up limit
80	QPSK	1	1	25.18	25.29	25.26	25.7
Channel				518202	518598	531000	Tune-up limit (dB)
Frequency (MHz)				2531.01	2592.99	2655	up limit
70	QPSK	1	1	25.21	25.32	25.19	25.7
Channel				509300	518598	531996	Tune-up limit (dB)
Frequency (MHz)				2526	2592.99	2659.98	up limit
60	QPSK	1	1	25.21	25.30	25.19	25.7
Channel				504204	518598	532996	Tune-up limit (dB)
Frequency (MHz)				2501.02	2592.99	2644.98	up limit
50	QPSK	1	1	25.14	25.36	25.22	25.7
Channel				503700	518598	533496	Tune-up limit (dB)
Frequency (MHz)				2518.5	2592.99	2647.48	up limit
45	QPSK	1	1	25.22	25.30	25.31	25.7
Channel				503202	518598	534000	Tune-up limit (dB)
Frequency (MHz)				2516.01	2592.99	2670	up limit
40	QPSK	1	1	25.10	25.37	25.25	25.7
Channel				502704	518598	534496	Tune-up limit (dB)
Frequency (MHz)				2513.52	2592.99	2672.49	up limit
35	QPSK	1	1	25.20	25.33	25.22	25.7
Channel				502200	518598	534996	Tune-up limit (dB)
Frequency (MHz)				2511	2592.99	2674.98	up limit
30	QPSK	1	1	25.14	25.27	25.17	25.7
Channel				501702	518598	535500	Tune-up limit (dB)
Frequency (MHz)				2508.51	2592.99	2677.5	up limit
25	QPSK	1	1	25.16	25.35	25.23	25.7
Channel				501204	518598	535996	Tune-up limit (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	up limit
20	QPSK	1	1	25.18	25.28	25.21	25.7
Channel				500700	518598	536496	Tune-up limit (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	up limit
15	QPSK	1	1	25.16	25.35	25.20	25.7
Channel				500202	518598	537000	Tune-up limit (dB)
Frequency (MHz)				2501.01	2592.99	2685	up limit
10	QPSK	1	1	25.23	25.28	25.20	25.7

PC2 FR1 n41 Ant4 DSI 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				500202	518598	530000	
Frequency (MHz)				2546.01	2592.99	2640	
100	P12 BPSK	1	1	26.13	26.33	26.12	27.0
100	P12 BPSK	1	137	26.19	26.36	26.24	
100	P12 BPSK	1	271	25.17	26.38	26.20	
100	P12 BPSK	135	0	25.82	25.94	25.86	26.5
100	P12 BPSK	135	69	26.12	26.32	26.23	27.0
100	P12 BPSK	135	138	25.73	25.97	25.66	
100	P12 BPSK	270	0	25.79	25.84	25.85	26.5
100	QPSK	1	1	26.33	26.44	26.38	
100	QPSK	1	137	26.20	26.37	26.22	27.0
100	QPSK	1	271	26.23	26.38	26.21	
100	QPSK	135	0	26.14	26.31	26.22	
100	QPSK	135	69	26.20	26.37	26.29	27.0
100	QPSK	135	138	26.25	26.49	26.30	
100	QPSK	270	0	25.37	26.41	25.31	26.0
100	16QAM	1	1	25.33	25.41	25.40	26.0
100	64QAM	1	1	23.69	23.85	23.82	24.5
100	256QAM	1	1	21.83	21.99	21.82	22.5
Channel				508200	518598	530996	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.98	up limit
90	QPSK	1	1	26.28	26.32	26.27	27.0
Channel				517204	518598	529998	Tune-up limit (dB)
Frequency (MHz)				2536.02	2592.99	2649.98	up limit
80	QPSK	1	1	26.22	26.34	26.21	27.0
Channel				518202	518598	531000	Tune-up limit (dB)
Frequency (MHz)				2531.01	2592.99	2655	up limit
70	QPSK	1	1	26.28	26.32	26.31	27.0
Channel				509300	518598	531996	Tune-up limit (dB)
Frequency (MHz)				2526	2592.99	2659.98	up limit
60	QPSK	1	1	26.18	26.34	26.28	27.0
Channel				504204	518598	532996	Tune-up limit (dB)
Frequency (MHz)				2501.02	2592.99	2644.98	up limit
50	QPSK	1	1	26.24	26.33	26.26	27.0
Channel				503700	518598	533496	Tune-up limit (dB)
Frequency (MHz)				2518.5	2592.99	2647.48	up limit
45	QPSK	1	1	26.24	26.35	26.24	27.0
Channel				503202	518598	534000	Tune-up limit (dB)
Frequency (MHz)				2513.01	2592.99	2670	up limit
40	QPSK	1	1	26.16	26.10	25.27	27.0
Channel				502704	518598	534496	Tune-up limit (dB)
Frequency (MHz)				2513.52	2592.99	2672.49	up limit
35	QPSK	1	1	26.23	26.33	26.34	27.0
Channel				502200	518598	534996	Tune-up limit (dB)
Frequency (MHz)				2511	2592.99	2674.98	up limit
30	QPSK	1	1	26.29	26.30	26.23	27.0
Channel				501702	518598	535500	Tune-up limit (dB)
Frequency (MHz)				2508.51	2592.99	2677.5	up limit
25	QPSK	1	1	26.19	26.38	26.25	27.0
Channel				501204	518598	535996	Tune-up limit (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	up limit
20	QPSK	1	1	26.18	26.40	26.24	27.0
Channel				500700	518598	536496	Tune-up limit (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	up limit
15	QPSK	1	1	26.26	26.37	26.26	27.0
Channel				500202	518598	537000	Tune-up limit (dB)
Frequency (MHz)				2501.01	2592.99	2685	up limit
10	QPSK	1	1	26.24	26.53	26.51	27.0

FR1 n48 Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000	64166	64532			
Frequency (MHz)				3570	3624.99	3679.98			
40	P1/2 BPSK	1	1	23.43	23.59	23.54			
40	P1/2 BPSK	1	53	23.52	23.54	23.50	24.5	0.0	
40	P1/2 BPSK	1	104	23.46	23.50	23.46			
40	P1/2 BPSK	50	0	23.10	23.17	23.03	24.0	0.5	
40	P1/2 BPSK	50	28	23.47	23.64	23.61	24.5	0.0	
40	P1/2 BPSK	50	56	22.95	23.11	23.10			
40	P1/2 BPSK	100	0	23.13	23.12	23.11	24.0	0.5	
40	QPSK	1	1	23.61	23.65	23.63			
40	QPSK	1	53	23.60	23.62	23.49	24.5	0.0	
40	QPSK	1	104	23.42	23.47	23.48			
40	QPSK	50	0	22.52	22.85	22.85			
40	QPSK	50	28	23.47	23.56	23.48	24.5	0.0	
40	QPSK	50	56	22.58	22.58	22.50			
40	QPSK	100	0	22.48	22.65	22.50	23.5	1.0	
40	16QAM	1	1	22.41	22.57	22.45	23.5	1.0	
40	64QAM	1	1	20.95	21.05	21.08	22.0	2.5	
40	256QAM	1	1	19.11	19.11	18.30	20.0	4.5	
Channel				637668	641666	645666	Tune-	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99	up limit	(dB)	
30	QPSK	1	1	23.62	23.56	23.47	24.5	0.0	
Channel				637334	641666	646000	Tune-	MPR	
Frequency (MHz)				3560.01	3624.99	3690	up limit	(dB)	
20	QPSK	1	1	23.62	23.56	23.42	24.5	0.0	
Channel				3567.52	3624.99	3662.49	up limit	(dB)	
15	QPSK	1	1	23.58	23.51	23.54	24.5	0.0	
Channel				637000	641666	646332	Tune-	MPR	
Frequency (MHz)				3555	3624.99	3694.98	up limit	(dB)	
10	QPSK	1	1	23.57	23.45	23.43	24.5	0.0	

PC3 FR1 n77 PartO Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	66000	66000			
Frequency (MHz)				3750	3840	3930			
100	P1/2 BPSK	1	1	25.26	25.22	25.17			
100	P1/2 BPSK	1	137	24.96	24.98	25.03	25.7	0.0	
100	P1/2 BPSK	1	271	25.19	25.28	25.18			
100	P1/2 BPSK	135	0	25.25	25.17	25.15	25.7	0.0	
100	P1/2 BPSK	135	69	25.23	25.23	25.21	25.7	0.0	
100	P1/2 BPSK	135	138	25.15	25.21	25.02			
100	P1/2 BPSK	270	0	25.17	25.18	25.19	25.7	0.0	
100	QPSK	1	1	25.24	25.29	25.17			
100	QPSK	1	137	24.99	25.11	25.16	25.7	0.0	
100	QPSK	1	271	25.19	25.14	25.10			
100	QPSK	135	0	25.23	25.21	25.17			
100	QPSK	135	69	25.18	25.24	25.15	25.7	0.0	
100	QPSK	135	138	25.16	25.16	25.08			
100	QPSK	270	0	25.19	25.07	25.05	25.7	0.0	
100	16QAM	1	1	24.94	24.93	25.03	25.7	0.0	
100	64QAM	1	1	25.15	25.07	25.02	25.7	0.0	
100	256QAM	1	1	23.72	23.58	23.73	24.2	1.5	
Channel				649668	650000	662332	Tune-	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit	(dB)	
90	QPSK	1	1	25.12	25.07	25.18	25.7	0.0	
Channel				649334	650000	662666	Tune-	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit	(dB)	
80	QPSK	1	1	25.24	25.12	25.15	25.7	0.0	
Channel				649000	650000	663000	Tune-	MPR	
Frequency (MHz)				3735	3840	3945	up limit	(dB)	
70	QPSK	1	1	25.08	25.09	25.07	25.7	0.0	
Channel				648668	650000	663332	Tune-	MPR	
Frequency (MHz)				3730.02	3840	3949.98	up limit	(dB)	
60	QPSK	1	1	25.08	25.12	25.02	25.7	0.0	
Channel				648334	650000	663666	Tune-	MPR	
Frequency (MHz)				3725.01	3840	3954.99	up limit	(dB)	
50	QPSK	1	1	25.10	25.10	25.21	25.7	0.0	
Channel				648000	650000	664000	Tune-	MPR	
Frequency (MHz)				3720	3840	3960	up limit	(dB)	
40	QPSK	1	1	25.20	25.17	25.01	25.7	0.0	
Channel				647668	650000	664332	Tune-	MPR	
Frequency (MHz)				3715.02	3840.00	3964.98	up limit	(dB)	
30	QPSK	1	1	25.12	25.22	25.04	25.7	0.0	
Channel				647334	650000	664666	Tune-	MPR	
Frequency (MHz)				3710.01	3840	3969.99	up limit	(dB)	
25	QPSK	1	1	25.21	25.16	25.19	25.7	0.0	
Channel				647000	650000	665000	Tune-	MPR	
Frequency (MHz)				3705	3840	3975	up limit	(dB)	
20	QPSK	1	1	25.17	25.21	24.99	25.7	0.0	
Channel				646668	650000	665332	Tune-	MPR	
Frequency (MHz)				3700.02	3840	3972.48	up limit	(dB)	
15	QPSK	1	1	25.22	25.23	25.12	25.7	0.0	
Channel				646334	650000	665666	Tune-	MPR	
Frequency (MHz)				3700	3840	3975	up limit	(dB)	
10	QPSK	1	1	25.16	25.18	25.16	25.7	0.0	

PC2 FR1 n77 PartO Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	P1/2 BPSK	1	1	28.18	28.12	28.20			
100	P1/2 BPSK	1	137	28.06	28.16	28.09	29.0	0.0	
100	P1/2 BPSK	1	271	28.02	27.98	28.10			
100	P1/2 BPSK	135	0	27.79	27.89	27.89	28.5	0.5	
100	P1/2 BPSK	135	69	28.05	28.07	28.24	29.0	0.0	
100	P1/2 BPSK	135	138	27.59	27.79	27.62			
100	P1/2 BPSK	270	0	27.74	27.74	27.83	28.5	0.5	
100	QPSK	1	1	28.14	28.27	28.23			
100	QPSK	1	137	28.06	27.98	28.06	29.0	0.0	
100	QPSK	1	271	28.24	28.25	28.15			
100	QPSK	135	0	27.24	27.24	27.38			
100	QPSK	135	69	28.05	28.18	28.07	29.0	0.0	
100	QPSK	135	138	27.21	27.21	27.25			
100	QPSK	270	0	27.28	27.31	27.30	28.0	1.0	
100	16QAM	1	1	27.05	27.03	27.08	28.0	1.0	
100	64QAM	1	1	25.45	25.54	25.44	26.5	2.5	
100	256QAM	1	1	23.24	23.28	23.24	24.5	4.5	
Channel				649668	650000	662332	Tune-	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit	(dB)	
90	QPSK	1	1	28.04	28.18	28.09	29.0	0.0	
Channel				649334	650000	662666	Tune-	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit	(dB)	
80	QPSK	1	1	28.06	28.17	28.19	29.0	0.0	
Channel				649000	650000	663000	Tune-	MPR	
Frequency (MHz)				3735	3840	3945	up limit	(dB)	
70	QPSK	1	1	28.08	28.05	28.18	29.0	0.0	
Channel				648668	650000	663332	Tune-	MPR	
Frequency (MHz)				3730.02	3840	3949.98	up limit	(dB)	
60	QPSK	1	1	27.97	28.14	28.06	29.0	0.0	
Channel				648334	650000	663666	Tune-	MPR	
Frequency (MHz)				3725.01	3840	3954.99	up limit	(dB)	
50	QPSK	1	1	27.93	28.14	28.02	29.0	0.0	
Channel				648000	650000	664000	Tune-	MPR	
Frequency (MHz)				3720	3840	3960	up limit	(dB)	
40	QPSK	1	1	28.05	28.12	28.01	29.0	0.0	
Channel				647688	650000	664332	Tune-	MPR	
Frequency (MHz)				3715.02	3840.00	3964.98	up limit	(dB)	
30	QPSK	1	1	28.03	28.03	28.03	29.0	0.0	
Channel				647350	650000	664600	Tune-	MPR	
Frequency (MHz)				3710.15	3840.00	3967.50	up limit	(dB)	
25	QPSK	1	1	28.13	28.08	28.02	29.0	0.0	
Channel				647000	650000	664950	Tune-	MPR	
Frequency (MHz)				3705.00	3840.00	3969.99	up limit	(dB)	
20	QPSK	1	1	28.08	28.14	28.03	29.0	0.0	
Channel				646652	650000	665300	Tune-	MPR	
Frequency (MHz)				3700.52	3840.00	3972.48	up limit	(dB)	
15	QPSK	1	1	28.10	28.23	28.11	29.0	0.0	
Channel				647000	650000	665000	Tune-	MPR	
Frequency (MHz)				3705	3840	3975	up limit	(dB)	
10	QPSK	1	1	28.13	28.09	28.11	29.0	0.0	

PC3 FR1 n77 PartQ Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1	25.52			25.7		0.0
100	Pi/2 BPSK	1	137	25.30					
100	Pi/2 BPSK	1	221	25.22					
100	Pi/2 BPSK	135	0	25.31					
100	Pi/2 BPSK	135	69	25.16			25.7		0.0
100	Pi/2 BPSK	135	138	25.13			25.7		0.0
100	Pi/2 BPSK	270	0	25.25					
100	QPSK	1	1	25.57			25.7		0.0
100	QPSK	1	137	25.24					
100	QPSK	1	221	25.22					
100	QPSK	135	0	25.32					
100	QPSK	135	69	25.41			25.7		0.0
100	QPSK	135	138	25.17			25.7		0.0
100	QPSK	270	0	25.20					
100	16QAM	1	1	25.45			25.7		0.0
100	64QAM	1	1	25.40			25.7		0.0
100	256QAM	1	1	23.95			24.2	1.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit	(dB)	
90	QPSK	1	1	25.39	25.47	25.41	25.7	0.0	
Channel									
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1	25.37	25.41	25.25	25.7	0.0	
Channel									
Frequency (MHz)				632668	633332	634332	Tune-	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1	25.35	25.47	25.33	25.7	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit	(dB)	
60	QPSK	1	1	25.37	25.28	25.34	25.7	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-	MPR	
Frequency (MHz)				3470.02	3499.98	3505	up limit	(dB)	
50	QPSK	1	1	25.21	25.49	25.42	25.7	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-	MPR	
Frequency (MHz)				3470.01	3499.98	3524.98	up limit	(dB)	
40	QPSK	1	1	25.37	25.43	25.30	25.7	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit	(dB)	
30	QPSK	1	1	25.35	25.40	25.19	25.7	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit	(dB)	
25	QPSK	1	1	25.24	25.30	25.43	25.7	0.0	
Channel									
Frequency (MHz)				630568	633332	636000	Tune-	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1	25.23	25.39	25.28	25.7	0.0	
Channel									
Frequency (MHz)				630300	633332	636268	Tune-	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1	25.23	25.43	25.29	25.7	0.0	
Channel									
Frequency (MHz)				630034	633332	636532	Tune-	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1	25.24	25.28	25.30	25.7	0.0	

PC2 FR1 n77 PartQ Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	Pi/2 BPSK	1	1	28.43			29.0		
100	Pi/2 BPSK	1	137	28.32					
100	Pi/2 BPSK	1	221	28.13					
100	Pi/2 BPSK	135	0	27.81					
100	Pi/2 BPSK	135	69	28.18			29.0	0.0	
100	Pi/2 BPSK	135	138	27.68			28.5	0.5	
100	Pi/2 BPSK	270	0	27.76					
100	QPSK	1	1	28.52			29.0		
100	QPSK	1	137	28.20					
100	QPSK	1	221	28.21					
100	QPSK	135	0	27.28					
100	QPSK	135	69	28.14			29.0	0.0	
100	QPSK	135	138	27.15			28.0	1.0	
100	QPSK	270	0	27.25					
100	16QAM	1	1	27.41			28.0	1.0	
100	64QAM	1	1	25.95			26.5	2.5	
100	256QAM	1	1	23.43			24.5	4.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit	(dB)	
90	QPSK	1	1	28.35	28.33	28.41	29.0	0.0	
Channel									
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1	28.15	28.35	28.38	29.0	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1	28.37	28.12	28.34	29.0	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit	(dB)	
60	QPSK	1	1	28.30	28.21	28.19	29.0	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-	MPR	
Frequency (MHz)				3470.02	3499.98	3505	up limit	(dB)	
50	QPSK	1	1	28.14	28.11	28.28	29.0	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-	MPR	
Frequency (MHz)				3470.01	3499.98	3524.98	up limit	(dB)	
40	QPSK	1	1	28.29	28.13	28.34	29.0	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit	(dB)	
30	QPSK	1	1	28.22	28.16	28.23	29.0	0.0	
Channel									
Frequency (MHz)				630834	633332	635832	Tune-	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit	(dB)	
25	QPSK	1	1	28.14	28.28	28.28	29.0	0.0	
Channel									
Frequency (MHz)				630568	633332	636000	Tune-	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1	28.19	28.35	28.20	29.0	0.0	
Channel									
Frequency (MHz)				630300	633332	636268	Tune-	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1	28.28	28.14	28.41	29.0	0.0	
Channel									
Frequency (MHz)				630034	633332	636532	Tune-	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1	28.17	28.31	28.37	29.0	0.0	

PC3 FR1 n78 PartO Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000					
100	Pi/2 BPSK	1	1	25.20			25.7	0.0	
100	Pi/2 BPSK	1	137	25.12					
100	Pi/2 BPSK	1	271	25.19					
100	Pi/2 BPSK	135	0	25.23					
100	Pi/2 BPSK	135	69	25.23			25.7	0.0	
100	Pi/2 BPSK	135	138	25.09			25.7	0.0	
100	Pi/2 BPSK	270	0	25.05					
100	QPSK	1	1	25.24			25.7	0.0	
100	QPSK	1	137	24.99					
100	QPSK	1	271	25.04					
100	QPSK	135	0	25.18					
100	QPSK	135	69	25.21			25.7	0.0	
100	QPSK	135	138	25.11			25.7	0.0	
100	QPSK	270	0	25.06					
100	16QAM	1	1	25.04			25.7	0.0	
100	64QAM	1	1	24.95			25.7	0.0	
100	256QAM	1	1	23.80			24.2	1.5	
Channel									
Frequency (MHz)				649668	650000	650332	Tune-	MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit	(dB)	
90	QPSK	1	1	25.05	25.19	25.21	25.7	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3759.99	up limit	(dB)	
80	QPSK	1	1	25.05	25.08	25.10	25.7	0.0	
Channel									
Frequency (MHz)				648600	650000	651600	Tune-	MPR	
Frequency (MHz)				3730.02	3750	3765	up limit	(dB)	
70	QPSK	1	1	25.04	25.14	25.06	25.7	0.0	
Channel									
Frequency (MHz)				648668	650000	651332	Tune-	MPR	
Frequency (MHz)				3730.02	3750	3760.98	up limit	(dB)	
60	QPSK	1	1	24.93	25.04	25.07	25.7	0.0	
Channel									
Frequency (MHz)				648334	650000	651666	Tune-	MPR	
Frequency (MHz)				3722.01	3750	3774.99	up limit	(dB)	
50	QPSK	1	1	24.94	25.19	25.02	25.7	0.0	
Channel									
Frequency (MHz)				647600	650000	652000	Tune-	MPR	
Frequency (MHz)				3720	3750	3760	up limit	(dB)	
40	QPSK	1	1	24.92	25.15	25.01	25.7	0.0	
Channel									
Frequency (MHz)				647668	650000	652332	Tune-	MPR	
Frequency (MHz)				3715.02	3750.00	3764.98	up limit	(dB)	
30	QPSK	1	1	25.05	25.07	25.20	25.7	0.0	
Channel									
Frequency (MHz)				647000	650000	652900	Tune-	MPR	
Frequency (MHz)				3712.15	3750.00	3767.50	up limit	(dB)	
25	QPSK	1	1	24.97	25.04	25.22	25.7	0.0	
Channel									
Frequency (MHz)				647034	650000	652866	Tune-	MPR	
Frequency (MHz)				3710.01	3750	3769.99	up limit	(dB)	
20	QPSK	1	1	25.02	25.11	25.18	25.7	0.0	
Channel									
Frequency (MHz)				646732	650000	652768	Tune-	MPR	
Frequency (MHz)				3707.52	3750	3762.48	up limit	(dB)	
15	QPSK	1	1	25.02	24.97	25.20	25.7	0.0	
Channel									
Frequency (MHz)				646700	650000	653000	Tune-	MPR	
Frequency (MHz)				3705	3750	3765	up limit	(dB)	
10	QPSK	1	1	24.84	24.99	25.10	25.7	0.0	

PC2 FR1 n78 PartO Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	Pi/2 BPSK	1	1		28.05				
100	Pi/2 BPSK	1	137		28.22		29.0	0.0	
100	Pi/2 BPSK	1	271		28.16				
100	Pi/2 BPSK	135	0		27.59		28.5	0.5	
100	Pi/2 BPSK	135	69		28.24		29.0	0.0	
100	Pi/2 BPSK	135	138		27.67				
100	Pi/2 BPSK	270	0		27.70		28.5	0.5	
100	QPSK	1	1		28.28				
100	QPSK	1	137		28.15		29.0	0.0	
100	QPSK	1	271		28.17				
100	QPSK	135	0		27.95				
100	QPSK	135	69		28.24		29.0	0.0	
100	QPSK	135	138		27.30				
100	QPSK	270	0		27.12		28.0	1.0	
100	16QAM	1	1		27.11		28.0	1.0	
100	64QAM	1	1		25.11		26.5	2.5	
100	256QAM	1	1		23.05		24.5	4.5	
Channel				648668	650000	650332	Tune-	MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit	(dB)	
90	QPSK	1	1		28.14	28.11	28.07	29.0	0.0
Channel				649334	650000	650666	Tune-	MPR	
Frequency (MHz)				3740.01	3750	3759.99	up limit	(dB)	
80	QPSK	1	1		28.13	27.97	27.89	29.0	0.0
Channel				649000	650000	651000	Tune-	MPR	
Frequency (MHz)				3735	3750	3765	up limit	(dB)	
70	QPSK	1	1		28.00	27.94	27.91	29.0	0.0
Channel				648668	650000	651332	Tune-	MPR	
Frequency (MHz)				3730.02	3750	3769.98	up limit	(dB)	
60	QPSK	1	1		28.05	28.01	27.99	29.0	0.0
Channel				648334	650000	651666	Tune-	MPR	
Frequency (MHz)				3725.01	3750	3774.99	up limit	(dB)	
50	QPSK	1	1		28.12	28.04	28.01	29.0	0.0
Channel				648000	650000	652000	Tune-	MPR	
Frequency (MHz)				3720	3750	3780	up limit	(dB)	
40	QPSK	1	1		28.01	28.04	28.09	29.0	0.0
Channel				647668	650000	652332	Tune-	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	up limit	(dB)	
30	QPSK	1	1		28.07	27.95	27.86	29.0	0.0
Channel				647300	650000	652500	Tune-	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	up limit	(dB)	
25	QPSK	1	1		28.08	27.92	27.88	29.0	0.0
Channel				647034	650000	652666	Tune-	MPR	
Frequency (MHz)				3710.01	3750	3789.99	up limit	(dB)	
20	QPSK	1	1		28.08	28.01	28.05	29.0	0.0
Channel				646768	650000	652832	Tune-	MPR	
Frequency (MHz)				3707.52	3750	3792.48	up limit	(dB)	
15	QPSK	1	1		28.05	27.98	27.87	29.0	0.0
Channel				646500	650000	653000	Tune-	MPR	
Frequency (MHz)				3705	3750	3795	up limit	(dB)	
10	QPSK	1	1		27.95	28.07	28.01	29.0	0.0

PC3 FR1 n78 PartQ Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		25.28			
100	Pi/2 BPSK	1	1		25.28				
100	Pi/2 BPSK	1	137		25.03		25.7		0.0
100	Pi/2 BPSK	1	271		25.15				
100	Pi/2 BPSK	135	0		25.14		25.7		0.0
100	Pi/2 BPSK	135	69		25.01		25.7		0.0
100	Pi/2 BPSK	135	198		24.98				
100	Pi/2 BPSK	270	0		25.19		25.7		0.0
100	QPSK	1	1		25.41				
100	QPSK	1	137		25.12		25.7		0.0
100	QPSK	1	271		25.16				
100	QPSK	135	0		25.22				
100	QPSK	135	69		25.27		25.7		0.0
100	QPSK	135	198		24.97				
100	QPSK	270	0		25.04		25.7		0.0
100	16QAM	1	1		25.35		25.7		0.0
100	256QAM	1	1		23.80		24.2	1.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	25.19	25.24	25.29	25.7	0.0	
Channel				632668	633332	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3400.02	3409.98	3510	up limit (dB)		
80	QPSK	1	1	25.17	25.19	25.21	25.7	0.0	
Channel				632334	633332	634332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3405.01	3409.98	3514.98	up limit (dB)		
70	QPSK	1	1	25.11	25.07	25.31	25.7	0.0	
Channel				632000	633332	634666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3400	3409.98	3519.99	up limit (dB)		
60	QPSK	1	1	25.01	25.14	25.22	25.7	0.0	
Channel				631668	633332	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3400.02	3409.98	3505	up limit (dB)		
50	QPSK	1	1	25.14	25.20	25.24	25.7	0.0	
Channel				631334	633332	635332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3400.01	3409.98	3529.98	up limit (dB)		
40	QPSK	1	1	24.97	25.18	25.30	25.7	0.0	
Channel				631000	633332	635666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3405	3409.98	3534.99	up limit (dB)		
30	QPSK	1	1	25.11	25.03	25.22	25.7	0.0	
Channel				630634	633332	635832	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3402.51	3409.98	3537.48	up limit (dB)		
25	QPSK	1	1	24.98	25.23	25.24	25.7	0.0	
Channel				630368	633332	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3400.02	3409.98	3540	up limit (dB)		
20	QPSK	1	1	25.05	25.22	25.25	25.7	0.0	
Channel				630000	633332	636332	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3407.5	3409.98	3542.49	up limit (dB)		
15	QPSK	1	1	25.19	26.04	25.28	25.7	0.0	
Channel				630334	633332	636632	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3405.01	3409.98	3544.98	up limit (dB)		
10	QPSK	1	1	25.20	25.21	25.28	25.7	0.0	

PC2 FR1 n78 PartQ Ant4 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3409.98					
100	Pi/2 BPSK	1	1		28.39				
100	Pi/2 BPSK	1	137		28.30		29.0	0.0	
100	Pi/2 BPSK	1	271		28.17				
100	Pi/2 BPSK	135	0		27.70		28.5	0.5	
100	Pi/2 BPSK	135	69		28.19		29.0	0.0	
100	Pi/2 BPSK	135	138		27.60				
100	Pi/2 BPSK	270	0		27.75		28.5	0.5	
100	QPSK	1	1		28.44				
100	QPSK	1	137		28.25		29.0	0.0	
100	QPSK	1	271		28.19				
100	QPSK	135	0		27.31				
100	QPSK	135	69		28.23		29.0	0.0	
100	QPSK	135	138		27.24				
100	QPSK	270	0		27.25		28.0	1.0	
100	16QAM	1	1		27.35		28.0	1.0	
100	64QAM	1	1		25.72		26.5	2.5	
100	256QAM	1	1		23.67		24.5	4.5	
Channel				633000	633332	633666	up limit		
Frequency (MHz)				3405	3409.98	3504.99	up limit		
90	QPSK	1	1		28.25	28.29	28.27	29.0	0.0
Channel				632668	633332	634000	Tune-	MPR	
Frequency (MHz)				3400.02	3409.98	3510	up limit		
80	QPSK	1	1		28.08	28.24	28.22	29.0	0.0
Channel				632334	633332	634332	Tune-	MPR	
Frequency (MHz)				3405.01	3409.98	3514.98	up limit		
70	QPSK	1	1		28.15	28.07	28.23	29.0	0.0
Channel				632000	633332	634666	Tune-	MPR	
Frequency (MHz)				3400	3409.98	3519.99	up limit		
60	QPSK	1	1		28.25	28.12	28.17	29.0	0.0
Channel				631668	633332	635000	Tune-	MPR	
Frequency (MHz)				3415.02	3409.98	3525	up limit		
50	QPSK	1	1		28.13	28.21	28.21	29.0	0.0
Channel				631334	633332	635332	Tune-	MPR	
Frequency (MHz)				3420.01	3409.98	3529.98	up limit		
40	QPSK	1	1		28.19	28.24	28.19	29.0	0.0
Channel				631000	633332	635666	Tune-	MPR	
Frequency (MHz)				3425	3409.98	3534.99	up limit		
30	QPSK	1	1		28.10	28.29	28.22	29.0	0.0
Channel				630668	633332	636000	Tune-	MPR	
Frequency (MHz)				3430.01	3409.98	3539.98	up limit		
25	QPSK	1	1		28.13	28.30	28.29	29.0	0.0
Channel				630332	633332	636332	Tune-	MPR	
Frequency (MHz)				3435.02	3409.98	3544.99	up limit		
20	QPSK	1	1		28.12	28.25	28.07	29.0	0.0
Channel				630000	633332	636666	Tune-	MPR	
Frequency (MHz)				3440.02	3409.98	3549.99	up limit		
15	QPSK	1	1		28.04	28.27	28.23	29.0	0.0
Channel				629664	633332	636932	Tune-	MPR	
Frequency (MHz)				3445.01	3409.98	3554.99	up limit		

FR1 n2 Ant5 DSI 4

BW [MHz]	Modulatio n	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)				1870	1880	1890		
40	PI2 BPSK	1	1	21.93	22.04	21.92		
40	PI2 BPSK	1	108	21.91	22.00	22.01	22.8	0.0
40	PI2 BPSK	1	214	21.97	22.07	21.94		
40	PI2 BPSK	108	0	21.93	22.01	21.99	22.8	0.0
40	PI2 BPSK	108	54	22.02	21.95	21.97	22.8	0.0
40	PI2 BPSK	108	108	22.00	22.04	21.99	22.8	0.0
40	PI2 BPSK	216	0	22.00	21.99	21.93	22.8	0.0
40	QPSK	1	1	22.09	22.10	22.08		
40	QPSK	1	108	21.92	21.98	21.91	22.8	0.0
40	QPSK	1	214	21.85	21.98	22.02		
40	QPSK	108	0	21.98	22.02	22.03	22.8	0.0
40	QPSK	108	54	22.01	22.09	22.01	22.8	0.0
40	QPSK	108	108	21.97	21.98	21.99	22.8	0.0
40	QPSK	216	0	22.02	22.08	22.03	22.8	0.0
40	16QAM	1	1	22.02	22.07	22.00	22.8	0.0
40	64QAM	1	1	21.30	21.34	21.43	22.3	0.5
40	256QAM	1	1	19.35	19.32	19.17	20.3	2.5
Channel								
Frequency (MHz)				373500	376000	378500	Tune- up limit (dBm)	MPR
Frequency (MHz)				1867.5	1880	1892.5	up limit	(dB)
35	QPSK	1	1	21.93	21.98	21.99	22.8	0.0
Channel								
Frequency (MHz)				1865	1880	1895	up limit	(dB)
30	QPSK	1	1	21.91	22.06	22.01	22.8	0.0
Channel								
Frequency (MHz)				1862.5	1880	1897.5	up limit	(dB)
25	QPSK	1	1	22.02	21.98	21.95	22.8	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune- up limit (dBm)	MPR
20	QPSK	1	1	21.99	21.97	21.93	22.8	0.0
Channel								
Frequency (MHz)				371500	376000	380500	Tune- up limit (dBm)	MPR
15	QPSK	1	1	21.98	22.06	21.97	22.8	0.0
Channel								
Frequency (MHz)				371000	376000	381000	Tune- up limit (dBm)	MPR
10	QPSK	1	1	21.98	22.02	21.95	22.8	0.0
Channel								
Frequency (MHz)				370500	376000	381500	Tune- up limit (dBm)	MPR
5	QPSK	1	1	21.93	22.03	21.93	22.8	0.0

FR1 n7 Ant5 DSI 4

BW [MHz]	Modulatio n	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)				2525	2535	2545		
50	PI2 BPSK	1	1	19.46	19.57	19.44		
50	PI2 BPSK	1	135	19.56	19.57	19.45	20.1	0.0
50	PI2 BPSK	1	269	19.53	19.58	19.50		
50	PI2 BPSK	135	0	19.45	19.52	19.52	20.1	0.0
50	PI2 BPSK	135	68	19.57	19.50	19.53	20.1	0.0
50	PI2 BPSK	135	135	19.55	19.54	19.58	20.1	0.0
50	PI2 BPSK	270	0	19.45	19.47	19.44	20.1	0.0
50	QPSK	1	1	19.36	19.63	19.56		
50	QPSK	1	135	19.40	19.33	19.31	20.1	0.0
50	QPSK	1	269	19.43	19.52	19.35		
50	QPSK	135	0	19.52	19.47	19.50	20.1	0.0
50	QPSK	135	68	19.51	19.53	19.52	20.1	0.0
50	QPSK	135	135	19.45	19.49	19.47	20.1	0.0
50	QPSK	270	0	19.49	19.51	19.50	20.1	0.0
50	16QAM	1	1	19.47	19.47	19.50	20.1	0.0
50	64QAM	1	1	19.51	19.46	19.48	20.1	0.0
50	256QAM	1	1	19.44	19.45	19.51	20.1	0.0
Channel								
Frequency (MHz)				504000	507000	510000	Tune- up limit (dBm)	MPR
Frequency (MHz)				2520	2535	2550	up limit	(dB)
40	QPSK	1	1	19.50	19.48	19.43	20.1	0.0
Channel								
Frequency (MHz)				503500	507000	510500	Tune- up limit (dBm)	MPR
Frequency (MHz)				2517.5	2535	2552.5	up limit	(dB)
35	QPSK	1	1	19.55	19.58	19.52	20.1	0.0
Channel								
Frequency (MHz)				2515	2535	2555	up limit	(dB)
30	QPSK	1	1	19.52	19.58	19.51	20.1	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune- up limit (dBm)	MPR
25	QPSK	1	1	19.48	19.49	19.55	20.1	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune- up limit (dBm)	MPR
20	QPSK	1	1	19.54	19.57	19.53	20.1	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune- up limit (dBm)	MPR
15	QPSK	1	1	19.49	19.58	19.55	20.1	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune- up limit (dBm)	MPR
10	QPSK	1	1	19.53	19.51	19.54	20.1	0.0
Channel								
Frequency (MHz)				500500	507000	513500	Tune- up limit (dBm)	MPR
5	QPSK	1	1	19.44	19.46	19.43	20.1	0.0

FR1 n25 Ant5 DSI 4

BW [MHz]	Modulatio n	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)				1870	1882.5	1895		
40	PI2 BPSK	1	1	22.00	22.16	22.10		
40	PI2 BPSK	1	108	22.00	22.01	22.07	22.8	0.0
40	PI2 BPSK	1	214	22.18	22.14	22.14		
40	PI2 BPSK	108	0	22.00	22.24	22.12	22.8	0.0
40	PI2 BPSK	108	54	22.03	22.20	22.14	22.8	0.0
40	PI2 BPSK	108	108	22.04	22.25	22.12	22.8	0.0
40	PI2 BPSK	216	0	22.11	22.18	22.16	22.8	0.0
40	QPSK	1	1	22.14	22.31	22.29		
40	QPSK	1	108	22.17	22.20	22.15	22.8	0.0
40	QPSK	1	214	22.01	22.38	22.11		
40	QPSK	108	0	22.01	22.35	22.16	22.8	0.0
40	QPSK	108	54	22.05	22.25	22.13	22.8	0.0
40	QPSK	108	108	22.06	22.22	22.19	22.8	0.0
40	QPSK	216	0	22.14	22.23	22.22	22.8	0.0
40	16QAM	1	1	22.09	22.25	22.12	22.8	0.0
40	64QAM	1	1	21.44	21.58	21.41	22.3	0.5
40	256QAM	1	1	19.29	19.30	19.19	20.8	2.0
Channel								
Frequency (MHz)				373500	376500	379500	Tune- up limit (dBm)	MPR
Frequency (MHz)				1867.5	1882.5	1897.5	up limit	(dB)
35	QPSK	1	1	22.07	22.18	22.09	22.8	0.0
Channel								
Frequency (MHz)				1865	1882.5	1900	up limit	(dB)
30	QPSK	1	1	22.07	22.25	22.17	22.8	0.0
Channel								
Frequency (MHz)				1862.5	1882.5	1892.5	up limit	(dB)
25	QPSK	1	1	22.07	22.21	22.13	22.8	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune- up limit (dBm)	MPR
20	QPSK	1	1	22.01	22.22	22.19	22.8	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune- up limit (dBm)	MPR
15	QPSK	1	1	22.09	22.18	22.15	22.8	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune- up limit (dBm)	MPR
10	QPSK	1	1	1853	1857.5	1910	up limit	(dB)
Channel								
Frequency (MHz)				1852.5	1882.5	1912.5	up limit	(dB)
5	QPSK	1	1	22.10	22.18	22.21	22.8	0.0

FR1 n66 Ant5 DSI4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)
Channel				346000	346000	351000	
Frequency (MHz)				1732.5	1745	1757.5	
45	PB2 BPSK	1	1	23.32	23.29	23.37	
45	PB2 BPSK	1	120	23.22	23.35	23.36	24.4
45	PB2 BPSK	1	240	23.27	23.42	23.35	
45	PB2 BPSK	120	0	22.55	22.49	22.59	23.9
45	PB2 BPSK	120	60	23.33	23.35	23.22	24.4
45	PB2 BPSK	120	120	22.65	22.61	22.47	
45	PB2 BPSK	240	0	22.71	22.72	22.55	23.9
45	QPSK	1	1	23.39	23.58	23.48	
45	QPSK	1	120	23.44	23.32	23.37	24.4
45	QPSK	1	240	23.23	23.35	23.35	
45	QPSK	120	0	22.21	22.27	22.34	23.4
45	QPSK	120	60	23.44	23.47	23.31	24.4
45	QPSK	120	120	22.25	22.32	22.32	
45	QPSK	240	0	22.37	22.41	22.53	23.4
45	16QAM	1	1	22.23	22.17	22.21	23.4
45	64QAM	1	1	21.12	21.24	21.22	21.9
45	256QAM	1	1	19.08	19.11	19.04	19.9
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	QPSK	1	1	23.32	23.47	23.42	24.4
Channel				345000	349000	352000	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	23.40	23.43	23.45	24.4
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	23.32	23.49	23.37	24.4
Channel				344000	349000	353000	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	23.41	23.42	23.48	24.4
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	23.38	23.42	23.45	24.4
Channel				343000	349000	354000	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	23.39	23.40	23.44	24.4
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	23.37	23.45	23.37	24.4
Channel				342000	349000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	23.38	23.42	23.43	24.4

FR1 n48 Ant5 DSI 4									
FCC Part96									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI2 BPSK	1	1	17.00	17.03	17.05			
40	PI2 BPSK	1	53	16.87	17.02	16.98	18.5	0.0	
40	PI2 BPSK	1	104	16.93	16.86	16.98			
40	PI2 BPSK	50	0	17.11	17.08	17.10	18.5	0.0	
40	PI2 BPSK	50	28	17.09	17.03	16.99	18.5	0.0	
40	PI2 BPSK	50	56	17.01	16.93	16.95			
40	PI2 BPSK	100	0	17.04	16.98	16.98	18.5	0.0	
40	QPSK	1	1	17.03	17.13	17.09			
40	QPSK	1	53	17.00	17.10	16.97	18.5	0.0	
40	QPSK	1	104	16.97	16.95	17.04			
40	QPSK	50	0	17.02	17.03	17.03			
40	QPSK	50	28	17.03	17.10	16.92	18.5	0.0	
40	QPSK	50	56	16.96	16.87	16.87			
40	QPSK	100	0	17.06	17.08	17.06	18.5	0.0	
40	16QAM	1	1	17.00	17.02	17.12	18.5	0.0	
40	64QAM	1	1	17.05	16.93	16.89	18.5	0.0	
40	256QAM	1	1	16.92	17.00	16.96	18.5	0.0	
Channel				637668	641668	645668	Tune-up limit (dB)	MPR	
30	QPSK	1	1	3555.02	3624.99	3694.99	up limit (dB)		
Channel				637314	641666	645000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3560.01	3624.99	3690	up limit (dB)		
20	QPSK	1	1	17.03	17.04	17.06	18.5	0.0	
Channel				637168	641664	645168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3557.52	3624.99	3692.49	up limit (dB)		
15	QPSK	1	1	17.07	17.08	17.06	18.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3565	3624.99	3694.98	up limit (dB)		
10	QPSK	1	1	16.98	17.04	17.01	18.5	0.0	

PC3 FR1 n77 PartO Ant5 DSI 4									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.41	18.39	18.27			
100	PI2 BPSK	1	137	18.35	18.20	18.26	19.5	0.0	
100	PI2 BPSK	1	271	18.35	18.21	18.34			
100	PI2 BPSK	135	0	18.29	18.40	18.32	19.5	0.0	
100	PI2 BPSK	135	69	18.41	18.39	18.33	19.5	0.0	
100	PI2 BPSK	135	135	18.37	18.30	18.29			
100	PI2 BPSK	270	0	18.29	18.21	18.19	19.5	0.0	
100	QPSK	1	1	18.43	18.55	18.36			
100	QPSK	1	137	18.31	18.25	18.21	19.5	0.0	
100	QPSK	1	271	18.18	18.26	18.16			
100	QPSK	135	0	18.31	18.27	18.32			
100	QPSK	135	69	18.35	18.43	18.31	19.5	0.0	
100	QPSK	135	138	18.24	18.29	18.21			
100	QPSK	270	0	18.28	18.43	18.31	19.5	0.0	
100	16QAM	1	1	18.27	18.40	18.41	19.5	0.0	
100	64QAM	1	1	18.30	18.27	18.19	19.5	0.0	
100	256QAM	1	1	18.30	18.24	18.30	19.5	0.0	
Channel				649668	656000	662332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit (dB)		
90	QPSK	1	1	18.38	18.48	18.28	19.5	0.0	
Channel				649314	656000	662666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit (dB)		
80	QPSK	1	1	18.34	18.53	18.38	19.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3840	3945	up limit (dB)		
70	QPSK	1	1	18.43	18.40	18.28	19.5	0.0	
Channel				648668	656000	663332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	up limit (dB)		
60	QPSK	1	1	18.43	18.44	18.40	19.5	0.0	
Channel				648334	656000	663666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	up limit (dB)		
50	QPSK	1	1	18.41	18.46	18.33	19.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3950	up limit (dB)		
40	QPSK	1	1	18.39	18.43	18.31	19.5	0.0	
Channel				647668	656000	664332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3840.00	3944.98	up limit (dB)		
30	QPSK	1	1	18.34	18.51	18.34	19.5	0.0	
Channel				647334	656000	664666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3840	3949.99	up limit (dB)		
25	QPSK	1	1	18.35	18.51	18.37	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705.01	3840	3959.99	up limit (dB)		
20	QPSK	1	1	18.40	18.43	18.28	19.5	0.0	
Channel				646768	656000	665332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3702.52	3840	3972.48	up limit (dB)		
15	QPSK	1	1	18.37	18.45	18.37	19.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3840	3975	up limit (dB)		
10	QPSK	1	1	18.33	18.46	18.28	19.5	0.0	

PC2 FR1 n77 PartO Ant5 DSI 4									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	660000			
Frequency (MHz)				3750	3840	3900			
100	PI2 BPSK	1	1	21.49	21.45	21.25			
100	PI2 BPSK	1	137	21.33	21.27	21.18	23.0	0.0	
100	PI2 BPSK	1	271	21.29	21.22	21.33			
100	PI2 BPSK	135	0	21.29	21.32	21.28	23.0	0.0	
100	PI2 BPSK	135	69	21.48	21.42	21.41	23.0	0.0	
100	PI2 BPSK	135	138	21.44	21.23	21.22	23.0	0.0	
100	PI2 BPSK	270	0	21.23	21.26	21.13	23.0	0.0	
100	QPSK	1	1	21.42	21.54	21.41			
100	QPSK	1	137	21.35	21.18	21.16	23.0	0.0	
100	QPSK	1	271	21.17	21.29	21.16			
100	QPSK	135	0	21.30	21.50	21.33			
100	QPSK	135	69	21.41	21.16	21.26	23.0	0.0	
100	QPSK	135	138	21.27	21.22	21.24			
100	QPSK	270	0	21.32	21.45	21.29	23.0	0.0	
100	16QAM	1	1	21.29	21.34	21.49	23.0	0.0	
100	64QAM	1	1	21.25	21.26	21.21	23.0	0.0	
100	256QAM	1	1	21.30	21.19	21.30	23.0	0.0	
Channel				649668	656000	662332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	up limit (dB)		
90	QPSK	1	1	21.31	21.26	21.20	23.0	0.0	
Channel				649334	656000	662666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	up limit (dB)		
80	QPSK	1	1	21.36	21.47	21.37	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	up limit (dB)		
70	QPSK	1	1	21.32	21.40	21.33	23.0	0.0	
Channel				648668	656000	663332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3940.98	up limit (dB)		
60	QPSK	1	1	21.29	21.38	21.29	23.0	0.0	
Channel				648334	656000	663666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3945.99	up limit (dB)		
50	QPSK	1	1	21.28	21.38	21.30	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3720	3840	3950	up limit (dB)		
40	QPSK	1	1	21.29	21.34	21.31	23.0	0.0	
Channel				647668	656000	664332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	up limit (dB)		
30	QPSK	1	1	21.33	21.41	21.30	23.0	0.0	
Channel				647334	656000	664666	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.50	up limit (dB)		
25	QPSK	1	1	21.32	21.39	21.32	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	up limit (dB)		
20	QPSK	1	1	21.31	21.40	21.40	23.0	0.0	
Channel				646768	656000	665332	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	up limit (dB)		
15	QPSK	1	1	21.33	21.41	21.35	23.0	0.0	
Channel				646500	656000	665600	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	up limit (dB)		
10	QPSK	1	1	21.32	21.35	21.31	23.0	0.0	

PC3 FR1 n77 PartQ Ant5 DSI 4										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633332						
100	Frequency (MHz)	1	1	3499.98						
100	QPSK	1	1	18.84						
100	P1/2 BPSK	1	137	18.73				19.5	0.0	
100	P1/2 BPSK	1	221	18.73						
100	P1/2 BPSK	135	0	18.84				19.5	0.0	
100	P1/2 BPSK	135	69	18.74				19.5	0.0	
100	P1/2 BPSK	135	135	18.75				19.5	0.0	
100	P1/2 BPSK	270	0	18.68						
100	QPSK	1	1	18.90				19.5	0.0	
100	QPSK	1	137	18.84						
100	QPSK	1	221	18.77						
100	QPSK	135	0	18.80						
100	QPSK	135	69	18.85				19.5	0.0	
100	QPSK	135	135	18.78				19.5	0.0	
100	QPSK	270	0	18.85				19.5	0.0	
100	16QAM	1	1	18.87				19.5	0.0	
100	16QAM	1	137	18.81				19.5	0.0	
100	256QAM	1	1	18.66				19.5	0.0	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR		
90	Frequency (MHz)	1	1	3495.00	3499.98	3504.97				
90	QPSK	1	1	18.77	18.77	18.68	19.5	0.0		
Channel				632668	633332	634000	Tune-up limit (dB)	MPR		
80	Frequency (MHz)	1	1	3490.02	3499.98	3510.00	up limit (dB)			
80	QPSK	1	1	18.81	18.82	18.76	19.5	0.0		
Channel				634234	633332	634332	Tune-up limit (dB)	MPR		
70	Frequency (MHz)	1	1	3485.01	3499.98	3514.98	up limit (dB)			
70	QPSK	1	1	18.83	18.67	18.75	19.5	0.0		
Channel				632000	633332	634666	Tune-up limit (dB)	MPR		
60	Frequency (MHz)	1	1	3480.00	3499.98	3519.99	up limit (dB)			
60	QPSK	1	1	18.77	18.78	18.75	19.5	0.0		
Channel				631666	633332	635000	Tune-up limit (dB)	MPR		
50	Frequency (MHz)	1	1	3475.02	3499.98	3505.00	up limit (dB)			
50	QPSK	1	1	18.73	18.78	18.82	19.5	0.0		
Channel				631334	633332	635332	Tune-up limit (dB)	MPR		
40	Frequency (MHz)	1	1	3470.01	3499.98	3509.99	up limit (dB)			
40	QPSK	1	1	18.75	18.77	18.70	19.5	0.0		
Channel				631000	633332	635666	Tune-up limit (dB)	MPR		
30	Frequency (MHz)	1	1	3465.00	3499.98	3514.99	up limit (dB)			
30	QPSK	1	1	18.71	18.82	18.77	19.5	0.0		
Channel				630668	633332	636000	Tune-up limit (dB)	MPR		
25	Frequency (MHz)	1	1	3460.01	3499.98	3517.48	up limit (dB)			
25	QPSK	1	1	18.62	18.80	18.74	19.5	0.0		
Channel				630334	633332	636332	Tune-up limit (dB)	MPR		
20	Frequency (MHz)	1	1	3450.02	3499.98	3504.00	up limit (dB)			
20	QPSK	1	1	18.81	18.71	18.68	19.5	0.0		
Channel				630000	633332	636666	Tune-up limit (dB)	MPR		
15	Frequency (MHz)	1	1	3445.01	3499.98	3502.00	up limit (dB)			
15	QPSK	1	1	18.79	18.75	18.66	19.5	0.0		
Channel				630334	633332	636332	Tune-up limit (dB)	MPR		
10	Frequency (MHz)	1	1	3440.01	3499.98	3504.00	up limit (dB)			
10	QPSK	1	1	18.77	18.67	18.67	19.5	0.0		

PC2 FR1 n77 PartQ Ant5 DSI 4												
FCC Part 27Q (3450-3550MHz)												
BW (MHz)	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)				633332								
100	P1/2 BPSK	1	1		21.92			23.0	0.0			
100	P1/2 BPSK	1	137		21.72							
100	P1/2 BPSK	1	271		21.81							
100	P1/2 BPSK	135	0		21.88			23.0	0.0			
100	P1/2 BPSK	135	69		21.84			23.0	0.0			
100	P1/2 BPSK	135	138		21.80			23.0	0.0			
100	P1/2 BPSK	270	0		21.75			23.0	0.0			
100	QPSK	1	1		21.95			23.0	0.0			
100	QPSK	1	137		21.85							
100	QPSK	1	271		21.75							
100	QPSK	135	0		21.87			23.0	0.0			
100	QPSK	135	69		21.91							
100	QPSK	135	138		21.77							
100	QPSK	270	0		21.88			23.0	0.0			
100	16QAM	1	1		21.86			23.0	0.0			
100	16QAM	1	1		21.86							
100	256QAM	1	1		21.76							
Channel				633000	633332	633666	Tune-up limit (dB)	MPR				
Frequency (MHz)				3465	3469.78	3504.99	up limit	MPR				
90	QPSK	1	1		21.70	21.81	21.84	23.0	0.0			
Channel				632668	633332	634000	Tune-up limit (dB)	MPR				
Frequency (MHz)				3490.02	3499.98	3510	up limit	MPR				
80	QPSK	1	1		21.85	21.82	21.71	23.0	0.0			
Channel				632334	633332	634332	Tune-up limit (dB)	MPR				
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	MPR				
70	QPSK	1	1		21.80	21.86	21.70	23.0	0.0			
Channel				632000	633332	634666	Tune-up limit (dB)	MPR				
Frequency (MHz)				3480.00	3499.98	3519.99	up limit	MPR				
60	QPSK	1	1		21.81	21.78	21.74	23.0	0.0			
Channel				631666	633332	635000	Tune-up limit (dB)	MPR				
Frequency (MHz)				3475.02	3495.98	3505	up limit	MPR				
50	QPSK	1	1		21.89	21.90	21.72	23.0	0.0			
Channel				631334	633332	635332	Tune-up limit (dB)	MPR				
Frequency (MHz)				3470.01	3491.98	3502.98	up limit	MPR				
40	QPSK	1	1		21.74	21.85	21.74	23.0	0.0			
Channel				631000	633332	635666	Tune-up limit (dB)	MPR				
Frequency (MHz)				3465	3469.98	3534.99	up limit	MPR				
30	QPSK	1	1		21.69	21.80	21.65	23.0	0.0			
Channel				630668	633332	636000	Tune-up limit (dB)	MPR				
Frequency (MHz)				3460.02	3499.98	3540	up limit	MPR				
20	QPSK	1	1		21.88	21.87	21.89	23.0	0.0			
Channel				630334	633332	636332	Tune-up limit (dB)	MPR				
Frequency (MHz)				3457.6	3495.98	3542.49	up limit	MPR				
15	QPSK	1	1		21.87	21.86	21.83	23.0	0.0			
Channel				630034	633332	636332	Tune-up limit (dB)	MPR				
Frequency (MHz)				3458.01	3493.77	3519.99	up limit	MPR				

PC3 FR1 n78 PartO Ant5 DSI 4										
FCC Part 27O (3700-3800MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	P1/2 BPSK	1	1		19.00			20.0	0.0	
100	P1/2 BPSK	1	137		18.73					
100	P1/2 BPSK	1	271		18.89					
100	P1/2 BPSK	135	0		18.97			20.0	0.0	
100	P1/2 BPSK	135	69		18.97			20.0	0.0	
100	P1/2 BPSK	135	135		18.76			20.0	0.0	
100	P1/2 BPSK	270	0		18.89			20.0	0.0	
100	QPSK	1	1		19.05			20.0	0.0	
100	QPSK	1	137		18.88					
100	QPSK	1	271		18.89			20.0	0.0	
100	QPSK	135	0		18.94			20.0	0.0	
100	QPSK	135	69		18.96					
100	QPSK	135	135		18.96					
100	QPSK	270	0		19.02			20.0	0.0	
100	16QAM	1	1		19.04			20.0	0.0	
100	16QAM	1	1		18.95			20.0	0.0	
100	256QAM	1	1		18.86			20.0	0.0	
Channel										
Frequency (MHz)										
90	QPSK	1	1		84668.6	65000.0	65033.2	Tune-up	MPR	
					3750.2	3750	3743.9	limit	(dB)	
					18.75	18.80	18.80	20.0	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1		84934.3	65000.0	65066.6	Tune-up	MPR	
					3740.1	3750	3759.9	limit	(dB)	
					18.76	18.80	18.81	20.0	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1		8375.2	3750	3765	up limit	(dB)	
					18.74	18.87	18.76	20.0	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1		84668.6	65000.0	65133.2	Tune-up	MPR	
					3745.1	3750	3745.9	limit	(dB)	
Channel										
Frequency (MHz)										
50	QPSK	1	1		84834.3	65000.0	65166.6	Tune-up	MPR	
					3745.1	3750	3744.9	limit	(dB)	
Channel										
Frequency (MHz)										
40	QPSK	1	1		84834.3	65000.0	65200.0	Tune-up	MPR	
					3745.1	3750	3745.0	limit	(dB)	
Channel										
Frequency (MHz)										
30	QPSK	1	1		84668.6	65000.0	65233.2	Tune-up	MPR	
					3715.02	3750.0	3744.98	up limit	(dB)	
Channel										
Frequency (MHz)										
25	QPSK	1	1		84750.0	65000.0	65250.0	Tune-up	MPR	
					3715.2	3750.0	3767.50	up limit	(dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	1		84834.3	65000.0	65300.0	Tune-up	MPR	
					3718.0	18.92	18.72	20.0	0.0	
Channel										
Frequency (MHz)										
15	QPSK	1	1		84768.6	65000.0	65366.6	Tune-up	MPR	
					3718.0	18.89	18.74	20.0	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1		84700.0	65000.0	65300.0	Tune-up	MPR	
					3717.5	3750	3765	up limit	(dB)	
					18.92	18.83	18.76	20.0	0.0	

PC2 FR1 n78 PartO Ant5 DSI 4									
FCC Part 270 (3700-3800MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	22.03					
100	PI2 BPSK	1	137	21.81				23.5	0.0
100	PI2 BPSK	1	271	21.87					
100	PI2 BPSK	135	0	21.99				23.5	0.0
100	PI2 BPSK	135	69	21.95				23.5	0.0
100	PI2 BPSK	135	135	21.80					
100	PI2 BPSK	270	0	21.95				23.5	0.0
100	QPSK	1	1	22.10					
100	QPSK	1	137	21.96				23.5	0.0
100	QPSK	1	271	21.93					
100	QPSK	135	0	22.02					
100	QPSK	135	69	22.06				23.5	0.0
100	QPSK	135	135	22.01					
100	QPSK	270	0	22.04				23.5	0.0
100	16QAM	1	1	22.07				23.5	0.0
100	16QAM	1	1	21.87				23.5	0.0
100	256QAM	1	1	21.89				23.5	0.0
Channel				650000					
Frequency (MHz)				650332					
90	QPSK	1	1	3745.02		3750		up limit	
Channel				650000					
Frequency (MHz)				650666					
80	QPSK	1	1	3740.01		3750		up limit	
Channel				650000					
Frequency (MHz)				3735		3750		23.5	
70	QPSK	1	1	21.77		21.90		21.84	
Channel				650000					
Frequency (MHz)				650890		650000		651332	
60	QPSK	1	1	21.73		21.93		21.82	
Channel				650000					
Frequency (MHz)				651123		650000		651566	
50	QPSK	1	1	21.71		22.02		21.88	
Channel				650000					
Frequency (MHz)				3720		3750		3780	
40	QPSK	1	1	21.61		21.92		21.88	
Channel				650000					
Frequency (MHz)				651686		650000		652332	
30	QPSK	1	1	21.80		21.95		21.92	
Channel				650000					
Frequency (MHz)				3712.5		3750.0		3787.5	
25	QPSK	1	1	21.78		21.98		21.80	
Channel				650000					
Frequency (MHz)				3703.5		3750.0		3796.5	
20	QPSK	1	1	21.82		21.98		21.78	
Channel				650000					
Frequency (MHz)				651486		650000		652332	
15	QPSK	1	1	21.80		21.99		21.89	
Channel				650000					
Frequency (MHz)				3747.0		3750		3753	
10	QPSK	1	1	21.80		21.95		21.94	

PC3 FR1 n78 PartQ Ant5 DSI 4									
FCC Part 27Q (3450-3550MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		3499.98				
100	PI2 BPSK	1	137		18.92		20.0	0.0	
100	PI2 BPSK	1	271		18.93				
100	PI2 BPSK	135	0		19.12		20.0	0.0	
100	PI2 BPSK	135	69		19.09		20.0	0.0	
100	PI2 BPSK	135	135		18.86				
100	PI2 BPSK	270	0		18.83		20.0	0.0	
100	QPSK	1	1		19.14				
100	QPSK	1	137		18.99		20.0	0.0	
100	QPSK	1	271		18.90				
100	QPSK	135	0		18.91				
100	QPSK	135	69		19.05		20.0	0.0	
100	QPSK	135	135		18.83				
100	QPSK	270	0		19.06		20.0	0.0	
100	16QAM	1	1		18.90				
100	16QAM	1	1		18.94		20.0	0.0	
100	256QAM	1	1		18.96		20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3495	3499.98	3504.99	up limit		MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	3499.02	3499.98	3510	up limit		MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	3502.04	3499.98	3514.98	up limit		MPR
Channel									
Frequency (MHz)									
60	QPSK	1	1	3505.06	3499.98	3519.99	up limit		MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	3508.08	3499.98	3524.99	up limit		MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	3511.10	3499.98	3529.99	up limit		MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1	3514.12	3499.98	3534.99	up limit		MPR
Channel									
Frequency (MHz)									
25	QPSK	1	1	3517.14	3499.98	3539.99	up limit		MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	3520.16	3499.98	3544.99	up limit		MPR
Channel									
Frequency (MHz)									
15	QPSK	1	1	3523.18	3499.98	3549.99	up limit		MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	3526.20	3499.98	3554.99	up limit		MPR

PC2 FR1 n78 PartQ Ant5 DSI 4									
FCC Part 27Q (3450-3550MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1	22.06					
100	PI2 BPSK	1	137	22.01			23.5	0.0	
100	PI2 BPSK	1	271	22.01					
100	PI2 BPSK	135	0	22.06			23.5	0.0	
100	PI2 BPSK	135	69	22.11			23.5	0.0	
100	PI2 BPSK	135	135	21.89					
100	PI2 BPSK	270	0	21.86			23.5	0.0	
100	QPSK	1	1	22.13					
100	QPSK	1	137	22.09			23.5	0.0	
100	QPSK	1	271	21.93					
100	QPSK	135	0	21.93					
100	QPSK	135	69	22.08			23.5	0.0	
100	QPSK	135	135	21.81					
100	QPSK	270	0	22.04			23.5	0.0	
100	16QAM	1	1	21.97					
100	16QAM	1	1	22.00			23.5	0.0	
100	256QAM	1	1	22.07			23.5	0.0	
Channel				633000 633332 633666					
Frequency (MHz)				3495 3499.98 3504.99					
90	QPSK	1	1	21.89		22.01	21.82	up limit	MPR
Channel				633668 633332 633000					
Frequency (MHz)				3490.02 3499.98 3510					
80	QPSK	1	1	21.88		22.00	21.86	up limit	MPR
Channel				633433 633332 633432					
Frequency (MHz)				3498.01 3499.98 3514.98					
70	QPSK	1	1	21.80		22.06	21.89	up limit	MPR
Channel				633200 633332 633666					
Frequency (MHz)				3490.02 3499.98 3519.99					
60	QPSK	1	1	21.82		22.02	21.90	up limit	MPR
Channel				631668 633332 635000					
Frequency (MHz)				3490.02 3499.98 3524.99					
50	QPSK	1	1	22.01		21.90	21.90	up limit	MPR
Channel				631334 633332 635832					
Frequency (MHz)				3470.01 3499.98 3529.99					
40	QPSK	1	1	21.93		22.06	21.90	up limit	MPR
Channel				631000 633332 636666					
Frequency (MHz)				3495 3499.98 3534.99					
30	QPSK	1	1	21.85		22.11	21.83	up limit	MPR
Channel				630734 633332 637432					
Frequency (MHz)				3493.01 3499.98 3537.48					
25	QPSK	1	1	21.97		22.11	21.96	up limit	MPR
Channel				630668 633332 638000					
Frequency (MHz)				3490.02 3499.98 3540					
20	QPSK	1	1	22.03		22.10	21.94	up limit	MPR
Channel				630600 633332 636466					
Frequency (MHz)				3487.99 3499.98 3542.99					
15	QPSK	1	1	21.95		21.90	21.87	up limit	MPR
Channel				630334 633332 636832					
Frequency (MHz)				3495.01 3499.98 3547.99					
10	QPSK	1	1	22.03		22.03	21.98	up limit	MPR

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				56500	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	P1/2 BPSK	1	1	21.34	21.47	21.38		
50	P1/2 BPSK	1	135	21.57	21.50	21.52	22.6	0.0
50	P1/2 BPSK	1	259	21.41	21.40	21.42		
50	P1/2 BPSK	135	0	21.48	21.48	21.55	22.6	0.0
50	P1/2 BPSK	135	68	21.37	21.46	21.40	22.6	0.0
50	P1/2 BPSK	135	135	21.33	21.40	21.33		
50	P1/2 BPSK	270	0	21.53	21.40	21.51	22.6	0.0
50	QPSK	1	1	21.62	21.76	21.70		
50	QPSK	1	135	21.39	21.45	21.35	22.6	0.0
50	QPSK	1	259	21.46	21.45	21.59		
50	QPSK	135	0	21.37	21.35	21.38	22.6	0.0
50	QPSK	135	68	21.46	21.56	21.53	22.6	0.0
50	QPSK	135	135	21.37	21.45	21.49		
50	QPSK	270	0	21.30	21.45	21.37	22.6	0.0
50	16QAM	1	1	21.45	21.48	21.51	22.6	0.0
50	64QAM	1	1	20.54	20.58	20.56	21.6	1.0
50	256QAM	1	1	18.65	18.62	18.39	19.6	3.0
Channel				504000	507000	510000	Tune- up limit	MPR
Frequency (MHz)				2530	2535	2550	up limit	(dB)
40	QPSK	1	1	21.52	21.47	21.60	22.6	0.0
Channel				503500	507000	510500	Tune- up limit	MPR
Frequency (MHz)				2517.5	2535	2552.5	up limit	(dB)
35	QPSK	1	1	21.55	21.50	21.54	22.6	0.0
Channel				503000	507000	511000	Tune- up limit	MPR
Frequency (MHz)				2515	2535	2555	up limit	(dB)
30	QPSK	1	1	21.57	21.47	21.59	22.6	0.0
Channel				502500	507000	511500	Tune- up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	up limit	(dB)
25	QPSK	1	1	21.47	21.40	21.59	22.6	0.0
Channel				502000	507000	512000	Tune- up limit	MPR
Frequency (MHz)				2510	2535	2560	up limit	(dB)
20	QPSK	1	1	21.53	21.43	21.58	22.6	0.0
Channel				501500	507000	512500	Tune- up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	up limit	(dB)
15	QPSK	1	1	21.47	21.37	21.61	22.6	0.0
Channel				501000	507000	513000	Tune- up limit	MPR
Frequency (MHz)				2505	2535	2565	up limit	(dB)
10	QPSK	1	1	21.53	21.49	21.59	22.6	0.0
Channel				500500	507000	513500	Tune- up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	up limit	(dB)
5	QPSK	1	1	21.55	21.39	21.50	22.6	0.0

FR1 n66 Ant6 DSI 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune- up limit (dBm)	MPR (dB)
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	P1/2 BPSK	1	1	21.91	21.95	21.85		
45	P1/2 BPSK	1	120	21.96	22.01	21.86	22.9	0.0
45	P1/2 BPSK	1	240	21.97	22.00	21.96		
45	P1/2 BPSK	120	0	21.91	21.98	21.83	22.9	0.0
45	P1/2 BPSK	120	60	21.96	22.00	21.87	22.9	0.0
45	P1/2 BPSK	120	120	21.97	22.00	21.96		
45	P1/2 BPSK	240	0	21.96	21.98	21.97	22.9	0.0
45	QPSK	1	1	21.99	22.09	21.89		
45	QPSK	1	120	21.88	21.98	21.93	22.9	0.0
45	QPSK	1	240	21.96	21.92	21.94		
45	QPSK	120	0	21.91	21.92	21.84	22.9	0.0
45	QPSK	120	60	21.97	22.04	21.88	22.9	0.0
45	QPSK	120	120	21.99	22.02	21.94		
45	QPSK	240	0	22.00	22.01	21.87	22.9	0.0
45	16QAM	1	1	21.94	21.95	21.87	22.9	0.0
45	64QAM	1	1	20.63	20.76	20.66	21.9	1.0
45	256QAM	1	1	18.65	18.73	18.71	19.9	3.0
Channel				346000	349000	352000	Tune- up limit	MPR
Frequency (MHz)				1730	1745	1760	up limit	(dB)
40	QPSK	1	1	22.02	22.00	21.83	22.9	0.0
Channel				345500	349000	352500	Tune- up limit	MPR
Frequency (MHz)				1727.5	1745	1762.5	up limit	(dB)
35	QPSK	1	1	22.00	22.01	21.83	22.9	0.0
Channel				345000	349000	353000	Tune- up limit	MPR
Frequency (MHz)				1725	1745	1765	up limit	(dB)
30	QPSK	1	1	22.05	22.02	21.80	22.9	0.0
Channel				344500	349000	353500	Tune- up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	up limit	(dB)
25	QPSK	1	1	21.94	22.03	21.76	22.9	0.0
Channel				344000	349000	354000	Tune- up limit	MPR
Frequency (MHz)				1720	1745	1770	up limit	(dB)
20	QPSK	1	1	21.98	22.00	21.79	22.9	0.0
Channel				343500	349000	354500	Tune- up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	up limit	(dB)
15	QPSK	1	1	21.97	21.98	21.76	22.9	0.0
Channel				343000	349000	355000	Tune- up limit	MPR
Frequency (MHz)				1715	1745	1775	up limit	(dB)
10	QPSK	1	1	22.03	22.03	21.85	22.9	0.0
Channel				342500	349000	355500	Tune- up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	up limit	(dB)
5	QPSK	1	1	22.02	22.03	21.85	22.9	0.0

FR1 n38 Ant6 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				2590	2595	2600	
Frequency (MHz)				20.22	20.36	20.49	
40	P12 BPSK	1	1	20.22	20.36	20.49	
40	P12 BPSK	1	33	20.14	20.36	20.29	21.8
40	P12 BPSK	1	104	20.20	20.30	20.21	0.0
40	P12 BPSK	50	0	20.24	20.37	20.38	21.8
40	P12 BPSK	50	28	20.22	20.28	20.42	21.8
40	P12 BPSK	50	56	20.16	20.40	20.29	21.8
40	P12 BPSK	100	0	20.15	20.20	20.23	21.8
40	QPSK	1	1	20.37	20.50	20.41	
40	QPSK	1	53	20.32	20.29	20.30	21.8
40	QPSK	1	104	20.26	20.16	20.35	0.0
40	QPSK	50	0	20.27	20.28	20.25	
40	QPSK	50	28	20.27	20.37	20.21	21.8
40	QPSK	50	56	20.40	20.35	20.25	21.8
40	QPSK	100	0	20.27	20.41	20.39	21.8
40	16QAM	1	1	20.30	20.36	20.49	21.8
40	8QAM	1	1	20.28	20.38	20.49	21.8
40	256QAM	1	1	18.15	18.37	18.35	19.8
Channel				517000	518000	521000	Tune-up limit (dB)
Frequency (MHz)				2585	2595	2595	up limit
30	QPSK	1	1	20.20	20.57	20.44	21.8
Channel				516500	519000	521500	Tune-up limit (dB)
Frequency (MHz)				2582.5	2595	2607.5	up limit
25	QPSK	1	1	20.20	20.28	20.39	21.8
Channel				516000	519000	522000	Tune-up limit (dB)
Frequency (MHz)				2580	2595	2610	up limit
20	QPSK	1	1	20.32	20.26	20.44	21.8
Channel				515500	518000	522500	Tune-up limit (dB)
Frequency (MHz)				2577.5	2595	2612.5	up limit
15	QPSK	1	1	20.24	20.27	20.49	21.8
Channel				515000	518000	523000	Tune-up limit (dB)
Frequency (MHz)				2574	2595	2616	up limit
10	QPSK	1	1	20.23	20.27	20.40	21.8

FR1 n41 Ant6 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				2592.02	2595.99	2600.00	
Frequency (MHz)				2546.01	2592.99	2640	
100	P12 BPSK	1	1	20.47	20.61	20.50	
100	P12 BPSK	1	137	20.30	20.36	20.38	21.7
100	P12 BPSK	1	271	20.40	20.32	20.41	0.0
100	P12 BPSK	135	0	20.56	20.69	20.51	21.7
100	P12 BPSK	135	69	20.47	20.67	20.49	21.7
100	P12 BPSK	135	138	20.26	20.37	20.39	21.7
100	P12 BPSK	270	0	20.40	20.26	20.38	21.7
100	QPSK	1	1	20.50	20.70	20.60	
100	QPSK	1	137	20.43	20.48	20.51	21.7
100	QPSK	1	271	20.57	20.48	20.52	0.0
100	QPSK	135	0	20.55	20.59	20.56	
100	QPSK	135	69	20.22	20.65	20.42	21.7
100	QPSK	135	138	20.49	20.56	20.45	21.7
100	QPSK	270	0	20.24	20.36	20.33	21.7
100	16QAM	1	1	20.46	20.32	20.49	21.7
100	8QAM	1	1	20.57	20.48	20.48	21.7
100	256QAM	1	1	18.45	18.62	18.64	19.7
Channel				508200	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.98	up limit
80	QPSK	1	1	20.48	20.67	20.53	21.7
Channel				507204	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	up limit
80	QPSK	1	1	20.43	20.59	20.50	21.7
Channel				506202	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2531.01	2592.99	2655	up limit
70	QPSK	1	1	20.43	20.66	20.49	21.7
Channel				505200	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2526	2592.99	2669.98	up limit
60	QPSK	1	1	20.43	20.67	20.52	21.7
Channel				504204	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2521.00	2592.99	2684.99	up limit
50	QPSK	1	1	20.49	20.59	20.52	21.7
Channel				503700	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2516.5	2592.99	2697.48	up limit
45	QPSK	1	1	20.35	20.64	20.47	21.7
Channel				503202	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2516.01	2592.99	2707	up limit
40	QPSK	1	1	20.46	20.61	20.53	21.7
Channel				502704	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2513.52	2592.99	2672.49	up limit
35	QPSK	1	1	20.42	20.57	20.56	21.7
Channel				502200	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2511	2592.99	2674.98	up limit
30	QPSK	1	1	20.45	20.61	20.54	21.7
Channel				501702	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2508.51	2592.99	2677.5	up limit
25	QPSK	1	1	20.44	20.68	20.59	21.7
Channel				501204	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2506.00	2592.99	2679.99	up limit
20	QPSK	1	1	20.41	20.60	20.47	21.7
Channel				500700	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	up limit
15	QPSK	1	1	20.46	20.66	20.49	21.7
Channel				500202	518598	528996	Tune-up limit (dB)
Frequency (MHz)				2501.01	2592.99	2685	up limit
10	QPSK	1	1	20.43	20.59	20.52	21.7

FR1 n48 Ant8 DS14									
FCC Part96									
BW (MHz)	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)				638900	641666	645332	368.99		
40	PI2 BPSK	1	1	17.00	16.94	16.93			
40	PI2 BPSK	1	53	16.97	17.11	16.98	-17.7	0.0	
40	PI2 BPSK	1	104	16.92	17.13	17.03			
40	PI2 BPSK	50	0	17.08	17.00	17.02	-17.7	0.0	
40	PI2 BPSK	50	28	16.95	17.00	17.01	-17.7	0.0	
40	PI2 BPSK	50	56	17.04	17.09	16.97	-17.7	0.0	
40	PI2 BPSK	100	0	17.00	16.97	16.97			
40	QPSK	1	1	17.08	17.16	16.98			
40	QPSK	1	53	16.98	16.98	16.97	-17.7	0.0	
40	QPSK	1	104	17.08	17.15	17.03			
40	QPSK	50	0	17.08	17.02	17.05			
40	QPSK	50	28	16.99	17.09	16.99	-17.7	0.0	
40	QPSK	50	56	17.01	16.99	17.00			
40	QPSK	100	0	16.96	17.06	16.92	-17.7	0.0	
40	16QAM	1	1	17.08	16.99	17.02	-17.7	0.0	
40	64QAM	1	1	17.00	17.05	16.94	-17.7	0.0	
40	256QAM	1	1	16.08	16.19	15.32	-16.7	1.0	
Channel									
Frequency (MHz)				3565.02	3624.99	3684.99	up limit (dB)		
30	QPSK	1	1	16.94	16.99	16.87	-17.7	0.0	
Channel									
Frequency (MHz)				637.82	641.66	645.00	368.99		
20	QPSK	1	1	16.95	16.92	16.80	-17.7	0.0	
Channel									
Frequency (MHz)				637.68	641.66	646.96	Tune up limit (dB)	MPR	
15	QPSK	1	1	17.04	17.01	16.86	-17.7	0.0	
Channel									
Frequency (MHz)				637.65	641.66	646.332	Tune up limit (dB)	MPR	
10	QPSK	1	1	17.02	16.93	16.77	-17.7	0.0	

PC3 FR1 n77 PartO Ant8 DSI4									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.03	19.16	18.94			
100	PI2 BPSK	1	137	19.09	19.12	19.03	-19.8	0.0	
100	PI2 BPSK	1	271	19.03	19.08	19.05			
100	PI2 BPSK	135	0	18.99	19.18	19.02	-19.8	0.0	
100	PI2 BPSK	135	69	19.05	19.10	19.07	-19.8	0.0	
100	PI2 BPSK	135	138	19.03	19.06	18.97	-19.8	0.0	
100	PI2 BPSK	270	0	19.08	19.14	19.07			
100	QPSK	1	1	19.01	19.19	19.06			
100	QPSK	1	137	18.92	19.02	19.09	-19.8	0.0	
100	QPSK	1	271	19.09	19.04	19.01			
100	QPSK	135	0	19.01	19.10	19.06			
100	QPSK	135	69	19.10	19.12	19.06	-19.8	0.0	
100	QPSK	135	138	19.10	19.01	19.03			
100	QPSK	270	0	19.03	19.09	19.08	-19.8	0.0	
100	16QAM	1	1	19.05	19.17	19.08	-19.8	0.0	
100	64QAM	1	1	18.97	19.11	19.07	-19.8	0.0	
100	256QAM	1	1	17.51	17.71	17.52	-18.3	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.86	19.07	18.91	-19.8	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.92	19.00	18.95	-19.8	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.97	19.05	18.87	-19.8	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.94	19.00	18.94	-19.8	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.93	19.05	18.87	-19.8	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.89	19.00	18.92	-19.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.87	19.05	18.91	-19.8	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.97	19.09	18.88	-19.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.95	19.08	18.93	-19.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.96	19.08	18.85	-19.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.90	19.02	18.86	-19.8	0.0	

PC2 FR1 n77 PartO Ant8 DSI4									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.05	22.13	21.88			
100	PI2 BPSK	1	137	22.07	22.09	21.99	-23.3	0.0	
100	PI2 BPSK	1	271	22.03	22.09	22.04			
100	PI2 BPSK	135	0	21.97	22.18	22.02	-23.3	0.0	
100	PI2 BPSK	135	69	22.03	22.09	22.01	-23.3	0.0	
100	PI2 BPSK	135	138	22.05	22.11	21.98	-23.3	0.0	
100	PI2 BPSK	270	0	22.07	22.13	22.04			
100	QPSK	1	1	21.98	22.24	22.06			
100	QPSK	1	137	21.90	22.05	22.08	-23.3	0.0	
100	QPSK	1	271	22.05	22.18	22.00			
100	QPSK	135	0	21.99	22.12	22.00			
100	QPSK	135	69	22.09	22.17	22.02	-23.3	0.0	
100	QPSK	135	138	22.13	22.00	22.06			
100	QPSK	270	0	22.01	22.13	22.11	-23.3	0.0	
100	16QAM	1	1	22.02	22.19	22.11	-23.3	0.0	
100	64QAM	1	1	21.99	22.09	22.11	-23.3	0.0	
100	256QAM	1	1	20.54	20.72	20.53	-21.9	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.87	22.03	21.83	-23.3	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.83	22.12	21.88	-23.3	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.88	22.04	21.85	-23.3	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.83	22.01	21.86	-23.3	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.85	22.13	21.96	-23.3	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.90	22.12	21.86	-23.3	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.82	22.03	21.86	-23.3	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.89	22.06	21.92	-23.3	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.88	22.06	21.93	-23.3	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.83	22.05	21.91	-23.3	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.80	22.07	21.97	-23.3	0.0	

PC3 FR1 n77 PartQ Ant8 DSI4										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	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)				633332 3499.98						
100	PI2 BPSK	1	1		18.35			19.8	0.0	
100	PI2 BPSK	1	137		18.32					
100	PI2 BPSK	1	271		18.29					
100	PI2 BPSK	135	0		18.42			19.8	0.0	
100	PI2 BPSK	135	69		18.31			19.8	0.0	
100	PI2 BPSK	135	135		18.33			19.8	0.0	
100	PI2 BPSK	270	0		18.33					
100	QPSK	1	1		18.47					
100	QPSK	1	137		18.29			19.8	0.0	
100	QPSK	1	271		18.31					
100	QPSK	135	0		18.34					
100	QPSK	135	69		18.39			19.8	0.0	
100	QPSK	135	135		18.26			19.8	0.0	
100	QPSK	270	0		18.37			19.8	0.0	
100	16QAM	1	1		18.45			19.8	0.0	
100	16QAM	1	1		18.31			19.8	0.0	
100	256QAM	1	1		18.69			18.3	1.5	
Channel										
Frequency (MHz)				633000 633332 633666						
90	QPSK	1	1	18.32	18.42	18.43	19.8	0.0		
Channel										
Frequency (MHz)				632668 633332 633660						
80	QPSK	1	1	3490.02	3499.98	3510	up limit (dB)			
Channel										
Frequency (MHz)				632334 633332 634332						
70	QPSK	1	1	18.32	18.37	18.39	19.8	0.0		
Channel										
Frequency (MHz)				3480 3499.98 3519.99						
60	QPSK	1	1	18.30	18.33	18.35	19.8	0.0		
Channel										
Frequency (MHz)				631668 633332 633660						
50	QPSK	1	1	3475.01	3499.98	3524.99	up limit (dB)			
Channel										
Frequency (MHz)				631334 633332 633662						
40	QPSK	1	1	18.34	18.39	18.35	19.8	0.0		
Channel										
Frequency (MHz)				631000 633332 633666						
30	QPSK	1	1	18.37	18.39	18.39	19.8	0.0		
Channel										
Frequency (MHz)				630834 633332 633662						
25	QPSK	1	1	3462.51	3499.98	3537.48	up limit (dB)			
Channel										
Frequency (MHz)				3460.02 3499.98 3539.99						
20	QPSK	1	1	18.39	18.39	18.41	19.8	0.0		
Channel										
Frequency (MHz)				3457.5 3499.98 3542.49						
15	QPSK	1	1	18.37	18.39	18.40	19.8	0.0		
Channel										
Frequency (MHz)				630334 633332 633662						
10	QPSK	1	1	18.41	18.37	18.40	19.8	0.0		

PC2 FR1 n77 PartQ Ant8 DSI4										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	21.35	3499.98					
100	PI2 BPSK	1	137	21.37			23.3	0.0		
100	PI2 BPSK	1	271	21.38						
100	PI2 BPSK	135	0	21.37			23.3	0.0		
100	PI2 BPSK	135	69	21.30			23.3	0.0		
100	PI2 BPSK	135	135	21.30			23.3	0.0		
100	PI2 BPSK	270	0	21.31			23.3	0.0		
100	QPSK	1	1	21.47						
100	QPSK	1	137	21.31			23.3	0.0		
100	QPSK	1	271	21.32						
100	QPSK	135	0	21.30						
100	QPSK	135	69	21.41			23.3	0.0		
100	QPSK	135	135	21.26			23.3	0.0		
100	QPSK	270	0	21.40			23.3	0.0		
100	16QAM	1	1	21.43			23.3	0.0		
100	16QAM	1	1	21.35			23.3	0.0		
100	256QAM	1	1	20.31			22.3	1.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	3495	3499.98	3504.99	up limit (dB)			
Channel										
Frequency (MHz)										
80	QPSK	1	1	3490.02	3499.98	3510	up limit (dB)			
Channel										
Frequency (MHz)										
70	QPSK	1	1	3485.01	3499.98	3514.98	up limit (dB)			
Channel										
Frequency (MHz)										
60	QPSK	1	1	3480.02	3499.98	3519.99	up limit (dB)			
Channel										
Frequency (MHz)										
50	QPSK	1	1	3475.01	3499.98	3524.99	up limit (dB)			
Channel										
Frequency (MHz)										
40	QPSK	1	1	3470.01	3499.98	3529.99	up limit (dB)			
Channel										
Frequency (MHz)										
30	QPSK	1	1	3465.01	3499.98	3534.99	up limit (dB)			
Channel										
Frequency (MHz)										
25	QPSK	1	1	3460.02	3499.98	3539.99	up limit (dB)			
Channel										
Frequency (MHz)										
20	QPSK	1	1	3455.01	3499.98	3544.99	up limit (dB)			
Channel										
Frequency (MHz)										
15	QPSK	1	1	3450.01	3499.98	3549.99	up limit (dB)			
Channel										
Frequency (MHz)										
10	QPSK	1	1	3445.01	3499.98	3554.99	up limit (dB)			

PC3 FR1 n78 PartO Ant8 DSI4										
FCC Part 27O (3700-3800MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	PI2 BPSK	1	1		18.84					
100	PI2 BPSK	1	137		18.86		19.2	0.0		
100	PI2 BPSK	1	271		18.85					
100	PI2 BPSK	135	0		18.84		19.2	0.0		
100	PI2 BPSK	135	69		18.84		19.2	0.0		
100	PI2 BPSK	135	135		18.82		19.2	0.0		
100	PI2 BPSK	270	0		18.86					
100	QPSK	1	1		18.74					
100	QPSK	1	137		18.82		19.2	0.0		
100	QPSK	1	271		18.85					
100	QPSK	135	0		18.85					
100	QPSK	135	69		18.87		19.2	0.0		
100	QPSK	135	135		18.86		19.2	0.0		
100	QPSK	270	0		18.86		19.2	0.0		
100	16QAM	1	1		18.80			19.2	0.0	
100	16QAM	1	1		18.86			19.2	0.0	
100	256QAM	1	1		17.89			18.2	1.0	
Channel				649968	650000	650032	Tune-up		MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit (dB)			
90	QPSK	1	1	18.82	18.80	18.59	19.2	0.0		
Channel				649934	650000	650066	Tune-up		MPR	
Frequency (MHz)				3740.01	3750	3759.99	up limit (dB)			
80	QPSK	1	1	18.81	18.51	18.51	19.2	0.0		
Channel				649900	650000	650100	Tune-up		MPR	
Frequency (MHz)				3735	3750	3765	up limit (dB)			
70	QPSK	1	1	18.61	18.61	18.58	19.2	0.0		
Channel				649866	650000	650132	Tune-up		MPR	
Frequency (MHz)				3730.02	3750	3769.98	up limit (dB)			
60	QPSK	1	1	18.54	18.60	18.55	19.2	0.0		
Channel				648834	650000	650166	Tune-up		MPR	
Frequency (MHz)				3725.01	3750	3774.99	up limit (dB)			
50	QPSK	1	1	18.60	18.59	18.58	19.2	0.0		
Channel				648800	650000	650200	Tune-up		MPR	
Frequency (MHz)				3720	3750	3780	up limit (dB)			
40	QPSK	1	1	18.52	18.55	18.60	19.2	0.0		
Channel				647868	650000	650232	Tune-up		MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	up limit (dB)			
30	QPSK	1	1	18.59	18.55	18.53	19.2	0.0		
Channel				647930	650000	650270	Tune-up		MPR	
Frequency (MHz)				3710.13	3750.00	3787.50	up limit (dB)			
25	QPSK	1	1	18.56	18.52	18.58	19.2	0.0		
Channel				647824	650000	650276	Tune-up		MPR	
Frequency (MHz)				3710.01	3750	3789.99	up limit (dB)			
20	QPSK	1	1	18.64	18.52	18.62	19.2	0.0		
Channel				647818	650000	650282	Tune-up		MPR	
Frequency (MHz)				3707.52	3750	3792.48	up limit (dB)			
15	QPSK	1	1	18.53	18.63	18.56	19.2	0.0		
Channel				647900	650000	650300	Tune-up		MPR	
Frequency (MHz)				3702.50	3750	3797.50	up limit (dB)			
10	QPSK	1	1	18.62	18.55	18.48	19.2	0.0		

FR1 n48 Ant9 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				3570	3624.99	3679.98	
Frequency (MHz)							
40	PI2 BPSK	1	1	23.10	23.20	23.17	
40	PI2 BPSK	1	83	23.23	23.21	23.22	24.2
40	PI2 BPSK	1	104	23.22	23.25	23.13	
40	PI2 BPSK	50	0	22.80	22.92	22.90	23.7
40	PI2 BPSK	50	28	23.18	23.26	23.18	24.2
40	PI2 BPSK	50	55	22.81	22.83	22.82	
40	PI2 BPSK	100	0	22.74	22.90	22.71	23.7
40	QPSK	1	1	23.02	23.31	23.25	
40	QPSK	1	53	23.13	23.24	23.19	24.2
40	QPSK	1	104	23.07	23.19	23.01	
40	QPSK	50	0	22.29	22.37	22.25	
40	QPSK	50	28	23.27	23.29	23.28	24.2
40	QPSK	50	55	22.84	22.30	22.32	
40	QPSK	100	0	22.34	22.35	22.20	23.2
40	16QAM	1	1	22.02	22.21	22.07	23.2
40	64QAM	1	1	20.70	20.77	20.63	21.7
40	256QAM	1	1	18.75	18.79	18.71	18.7
Channel				637668	641668	645668	Tune-up limit (dBm)
Frequency (MHz)				3595.02	3624.99	3694.99	
30	QPSK	1	1	22.57	23.28	23.10	24.2
Channel				637234	641668	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	QPSK	1	1	22.06	23.18	23.19	24.2
Channel				637165	641668	641668	Tune-up limit (dBm)
Frequency (MHz)				3557.82	3624.99	3692.49	
15	QPSK	1	1	22.96	23.17	23.19	24.2
Channel				637090	641668	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	QPSK	1	1	22.82	23.26	23.10	24.2

PC3 FR1 n77 PartO Ant9 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				660000	660000	660000	
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	23.23	23.40	23.29	
100	PI2 BPSK	1	137	23.27	23.31	23.16	24.4
100	PI2 BPSK	1	271	23.26	23.39	23.27	
100	PI2 BPSK	135	0	23.22	23.33	23.23	24.4
100	PI2 BPSK	135	69	23.19	23.37	23.20	24.4
100	PI2 BPSK	135	138	23.21	23.36	23.23	
100	PI2 BPSK	270	0	23.21	23.33	23.21	24.4
100	QPSK	1	1	23.25	23.41	23.29	
100	QPSK	1	137	23.28	23.34	23.26	24.4
100	QPSK	1	271	23.28	23.28	23.24	
100	QPSK	135	0	23.25	23.35	23.27	
100	QPSK	135	69	23.30	23.36	23.21	24.4
100	QPSK	135	138	23.23	23.34	23.20	
100	QPSK	270	0	23.24	23.31	23.25	24.4
100	16QAM	1	1	23.24	23.39	23.22	24.4
100	64QAM	1	1	21.70	21.88	21.67	22.9
100	256QAM	1	1	19.75	19.85	19.69	20.9
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	23.10	23.20	23.00	24.4
Channel				649334	650000	650599	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	23.10	23.23	23.12	24.4
Channel				649300	650000	650300	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	23.20	23.28	23.16	24.4
Channel				648968	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3944.99	
60	QPSK	1	1	23.20	23.31	23.11	24.4
Channel				648334	650000	650599	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3950	
50	QPSK	1	1	23.16	23.29	23.18	24.4
Channel				648000	650000	650400	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3950	
40	QPSK	1	1	23.15	23.22	23.15	24.4
Channel				647668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3954.98	
30	QPSK	1	1	23.13	23.31	23.17	24.4
Channel				647500	650000	650500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3957.50	
25	QPSK	1	1	23.16	23.23	23.13	24.4
Channel				647334	650000	650599	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3959.99	
20	QPSK	1	1	23.21	23.20	23.13	24.4
Channel				647168	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	23.14	23.25	23.15	24.4
Channel				647000	650000	650500	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	23.21	23.29	23.13	24.4

PC2 FR1 n77 PartO Ant9 DSI 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				660000	660000	660000	
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	26.26	26.36	26.30	
100	PI2 BPSK	1	137	26.27	26.32	26.15	27.9
100	PI2 BPSK	1	271	26.32	26.42	26.28	
100	PI2 BPSK	135	0	26.19	26.36	26.21	27.9
100	PI2 BPSK	135	69	26.22	26.35	26.25	27.9
100	PI2 BPSK	135	138	26.25	26.34	26.28	
100	PI2 BPSK	270	0	26.26	26.31	26.25	27.9
100	QPSK	1	1	26.19	26.45	26.22	
100	QPSK	1	137	26.26	26.40	26.21	27.9
100	QPSK	1	271	26.30	26.27	26.26	
100	QPSK	135	0	26.28	26.39	26.28	
100	QPSK	135	69	26.35	26.41	26.22	27.9
100	QPSK	135	138	26.17	26.35	26.16	
100	QPSK	270	0	26.26	26.35	26.33	27.9
100	16QAM	1	1	26.29	26.42	26.16	27.9
100	64QAM	1	1	24.73	24.88	24.65	26.4
100	256QAM	1	1	22.70	22.87	22.65	24.4
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	QPSK	1	1	26.10	26.26	26.07	27.9
Channel				649334	650000	650599	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	QPSK	1	1	26.12	26.29	26.13	27.9
Channel				649300	650000	650300	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	26.06	26.27	26.18	27.9
Channel				648968	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3944.99	
60	QPSK	1	1	26.06	26.28	26.18	27.9
Channel				648334	650000	650599	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3944.99	
50	QPSK	1	1	26.12	26.32	26.07	27.9
Channel				648000	650000	650400	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3950	
40	QPSK	1	1	26.15	26.36	26.12	27.9
Channel				647668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3954.98	
30	QPSK	1	1	26.05	26.27	26.14	27.9
Channel				647500	650000	650500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3957.50	
25	QPSK	1	1	26.13	26.30	26.15	27.9
Channel				647334	650000	650599	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3959.99	
20	QPSK	1	1	26.10	26.30	26.09	27.9
Channel				647168	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	QPSK	1	1	26.10	26.30	26.15	27.9
Channel				647000	650000	650500	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	26.06	26.32	26.09	27.9

PC3 FR1 n77 PartQ Ant9 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332		6339.98			
100	P1/2 BPSK	1	1		23.55				
100	P1/2 BPSK	1	137		23.51		24.4	0.0	
100	P1/2 BPSK	1	271		23.49				
100	P1/2 BPSK	135	0		23.55		24.4	0.0	
100	P1/2 BPSK	135	69		23.49		24.4	0.0	
100	P1/2 BPSK	135	138		23.56				
100	P1/2 BPSK	270	0		23.56		24.4	0.0	
100	QPSK	1	1		23.59				
100	QPSK	1	137		23.47		24.4	0.0	
100	QPSK	1	271		23.49				
100	QPSK	135	0		23.53				
100	QPSK	135	69		23.57		24.4	0.0	
100	QPSK	135	138		23.49				
100	QPSK	270	0		23.55		24.4	0.0	
100	16QAM	1	1		23.49		24.4	0.0	
100	64QAM	1	1		22.02		22.9	1.5	
100	256QAM	1	1		20.15		20.9	3.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dB)	MPR	
90	QPSK	1	1	3495	3499.98	3504.99	up limit		
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1	2334	2333	2341	24.4	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dB)	MPR	
70	QPSK	1	1	2335	2339	2342	24.4	0.0	
Channel									
Frequency (MHz)				632000	633332	634666	Tune-up limit (dB)	MPR	
60	QPSK	1	1	2335	2339	2342	24.4	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dB)	MPR	
50	QPSK	1	1	2343	2338	2342	24.4	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dB)	MPR	
40	QPSK	1	1	2343	2336	2341	24.4	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dB)	MPR	
30	QPSK	1	1	2344	2341	2333	24.4	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dB)	MPR	
25	QPSK	1	1	2341	2340	2340	24.4	0.0	
Channel									
Frequency (MHz)				630268	633332	636000	Tune-up limit (dB)	MPR	
20	QPSK	1	1	2334	2339	2343	24.4	0.0	
Channel									
Frequency (MHz)				630000	633332	636166	Tune-up limit (dB)	MPR	
15	QPSK	1	1	2337	2340	2336	24.4	0.0	
Channel									
Frequency (MHz)				630034	633332	636332	Tune-up limit (dB)	MPR	
10	QPSK	1	1	2342	2342	2337	24.4	0.0	

PC2 FR1 n77 PartQ Ant9 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				633332					
100	P1/2 BPSK	1	1		26.56				
100	P1/2 BPSK	1	137		26.48		27.9	0.0	
100	P1/2 BPSK	1	271		26.50				
100	P1/2 BPSK	135	0		26.54		27.9	0.0	
100	P1/2 BPSK	135	69		26.45		27.9	0.0	
100	P1/2 BPSK	135	138		26.60				
100	P1/2 BPSK	270	0		26.61		27.9	0.0	
100	QPSK	1	1		26.65				
100	QPSK	1	137		26.47		27.9	0.0	
100	QPSK	1	271		26.47				
100	QPSK	135	0		26.48				
100	QPSK	135	69		26.58		27.9	0.0	
100	QPSK	135	138		26.48				
100	QPSK	270	0		26.51		27.9	0.0	
100	16QAM	1	1		26.48		27.9	0.0	
100	64QAM	1	1		24.99		26.4	1.5	
100	256QAM	1	1		23.21		24.4	3.5	
Channel									
Frequency (MHz)				633000	633332	633666	Tune-up limit (dB)	MPR	
90	QPSK	1	1	2644	2647	2644	27.9	0.0	
Channel									
Frequency (MHz)				632668	633332	634000	Tune-up limit (dB)	MPR	
80	QPSK	1	1	2647	2650	2648	27.9	0.0	
Channel									
Frequency (MHz)				632334	633332	634332	Tune-up limit (dB)	MPR	
70	QPSK	1	1	2648	2644	2640	27.9	0.0	
Channel									
Frequency (MHz)				632000	633332	635000	Tune-up limit (dB)	MPR	
60	QPSK	1	1	2645	2648	2639	27.9	0.0	
Channel									
Frequency (MHz)				631668	633332	635000	Tune-up limit (dB)	MPR	
50	QPSK	1	1	2649	2640	2642	27.9	0.0	
Channel									
Frequency (MHz)				631334	633332	635332	Tune-up limit (dB)	MPR	
40	QPSK	1	1	2649	2647	2643	27.9	0.0	
Channel									
Frequency (MHz)				631000	633332	635666	Tune-up limit (dB)	MPR	
30	QPSK	1	1	2645	2641	2630	27.9	0.0	
Channel									
Frequency (MHz)				630634	633332	635832	Tune-up limit (dB)	MPR	
25	QPSK	1	1	2648	2648	2650	27.9	0.0	
Channel									
Frequency (MHz)				630268	633332	636000	Tune-up limit (dB)	MPR	
20	QPSK	1	1	2649	2648	2649	27.9	0.0	
Channel									
Frequency (MHz)				630000	633332	636168	Tune-up limit (dB)	MPR	
15	QPSK	1	1	2648	2646	2648	27.9	0.0	
Channel									
Frequency (MHz)				630034	633332	636332	Tune-up limit (dB)	MPR	
10	QPSK	1	1	2648	2644	2642	27.9	0.0	

PC3 FR1 n78 PartO Ant9 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				650000					
100	P1/2 BPSK	1	1		23.53				
100	P1/2 BPSK	1	137		23.48		24.4	0.0	
100	P1/2 BPSK	1	271		23.54				
100	P1/2 BPSK	135	0		23.58		24.4	0.0	
100	P1/2 BPSK	135	69		23.48		24.4	0.0	
100	P1/2 BPSK	135	138		23.53				
100	P1/2 BPSK	270	0		23.53		24.4	0.0	
100	QPSK	1	1		23.61				
100	QPSK	1	137		23.53		24.4	0.0	
100	QPSK	1	271		23.54				
100	QPSK	135	0		23.54				
100	QPSK	135	69		23.58		24.4	0.0	
100	QPSK	135	138		23.56				
100	QPSK	270	0		23.50		24.4	0.0	
100	16QAM	1	1		23.57		24.4	0.0	
100	64QAM	1	1		22.05		22.9	1.5	
100	256QAM	1	1		20.01		20.9	3.5	
Channel									
Frequency (MHz)				648668 650000 650332					
				3745.02 3750 3754.98					
90	QPSK	1	1	23.40	23.50	23.65	Tune-up	MPR	
Channel				648668 650000 650668					
Frequency (MHz)				3740.01 3750 3759.99					
80	QPSK	1	1	23.31	23.52	23.45	24.4	0.0	
Channel				649000 650000 651000					
Frequency (MHz)				3745.02 3750 3765.03					
70	QPSK	1	1	23.42	23.51	23.41	24.4	0.0	
Channel				648668 650000 651332					
Frequency (MHz)				3732.02 3750 3768.98					
60	QPSK	1	1	23.44	23.45	23.48	Tune-up	MPR	
Channel				648334 650000 651666					
Frequency (MHz)				3727.01 3750 3774.99					
50	QPSK	1	1	23.47	23.50	23.52	24.4	0.0	
Channel				648900 650000 650200					
Frequency (MHz)				3732.02 3750 3762.03					
40	QPSK	1	1	37.20	37.50	37.90	24.4	0.0	
Channel				648334 650000 651666					
Frequency (MHz)				3715.02 3750.00 3784.98					
30	QPSK	1	1	23.48	23.43	23.50	24.4	0.0	
Channel				648200 650000 650800					
Frequency (MHz)				3712.03 3750.00 3787.50					
25	QPSK	1	1	23.46	23.52	23.49	24.4	0.0	
Channel				648334 650000 650668					
Frequency (MHz)				3750.00 3750 3789.99					
20	QPSK	1	1	23.51	23.50	23.43	24.4	0.0	
Channel				648168 650000 650832					
Frequency (MHz)				3707.52 3750 3782.50					
15	QPSK	1	1	23.48	23.48	23.50	Tune-up	MPR	
Channel				647000 650000 653000					
Frequency (MHz)				3760.00 3750 3785.00					
10	QPSK	1	1	23.47	23.47	23.47	Tune-up	MPR	

PC2 FR1 n78 PartO Ant9 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P1/2 BPSK	1	1		26.57				
100	P1/2 BPSK	1	137		26.48		27.9		
100	P1/2 BPSK	1	271		26.52				
100	P1/2 BPSK	135	0		26.52		27.9	0.0	
100	P1/2 BPSK	135	69		26.53		27.9	0.0	
100	P1/2 BPSK	135	138		26.50				
100	P1/2 BPSK	270	0		26.52		27.9	0.0	
100	QPSK	1	1		26.64				
100	QPSK	1	137		26.58		27.9	0.0	
100	QPSK	1	271		26.49				
100	QPSK	135	0		26.48				
100	QPSK	135	69		26.61		27.9	0.0	
100	QPSK	135	138		26.57				
100	QPSK	270	0		26.54		27.9	0.0	
100	16QAM	1	1		26.58		27.9	0.0	
100	64QAM	1	1		25.05		26.4	1.5	
100	256QAM	1	1		22.98		24.4	3.5	
Channel				649668	650000	650332	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	up limit	(dB)	
90	QPSK	1	1		26.58	26.55	26.49	27.9	0.0
Channel				650334	650000	650666	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.98	up limit	(dB)	
80	QPSK	1	1		26.49	26.58	26.49	27.9	0.0
Channel				650303	650000	651003	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	up limit	(dB)	
70	QPSK	1	1		26.52	26.48	26.51	27.9	0.0
Channel				649668	650000	651332	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	up limit	(dB)	
60	QPSK	1	1		26.58	26.53	26.52	27.9	0.0
Channel				648334	650000	651666	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	up limit	(dB)	
50	QPSK	1	1		26.56	26.52	26.53	27.9	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	up limit	(dB)	
40	QPSK	1	1		26.57	26.56	26.54	27.9	0.0
Channel				647668	650000	652332	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3784.98	up limit	(dB)	
30	QPSK	1	1		26.59	26.54	26.54	27.9	0.0
Channel				647300	650000	652600	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	up limit	(dB)	
25	QPSK	1	1		26.54	26.58	26.49	27.9	0.0
Channel				647034	650000	652866	Tune-up limit	MPR	
Frequency (MHz)				3718.01	3750	3788.99	up limit	(dB)	
20	QPSK	1	1		26.49	26.49	26.56	27.9	0.0
Channel				647168	650000	652932	Tune-up limit	MPR	
Frequency (MHz)				3710	3750	3790	up limit	(dB)	
15	QPSK	1	1		26.57	26.58	26.58	27.9	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3716	3750	3786	up limit	(dB)	
10	QPSK	1	1		26.54	26.52	26.57	27.9	0.0

PC3 FR1 n78 PartQ Ant9 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		23.31				
100	P1/2 BPSK	1	137		23.28		24.4		0.0
100	P1/2 BPSK	1	271		23.28				
100	P1/2 BPSK	135	0		23.29		24.4		0.0
100	P1/2 BPSK	135	69		23.36		24.4		0.0
100	P1/2 BPSK	135	138		23.35				
100	P1/2 BPSK	270	0		23.35		24.4		0.0
100	QPSK	1	1		23.38				
100	QPSK	1	137		23.37		24.4		0.0
100	QPSK	1	271		23.33				
100	QPSK	135	0		23.32				
100	QPSK	135	69		23.35		24.4		0.0
100	QPSK	135	138		23.38				
100	QPSK	270	0		23.35		24.4		0.0
100	16QAM	1	1		21.81		22.9		1.5
100	64QAM	1	1		21.25		22.9		1.0
100	256QAM	1	1		19.83		20.9		3.5
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	up limit	(dB)	
90	QPSK	1	1		23.24	23.16	23.16	24.4	0.0
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1		23.20	23.20	23.22	24.4	0.0
Channel				632445	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1		23.18	23.19	23.23	24.4	0.0
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.99	up limit	(dB)	
60	QPSK	1	1		23.24	23.21	23.19	24.4	0.0
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3524.99	up limit	(dB)	
50	QPSK	1	1		23.17	23.20	23.20	24.4	0.0
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3524.99	up limit	(dB)	
40	QPSK	1	1		23.19	23.20	23.22	24.4	0.0
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	up limit	(dB)	
30	QPSK	1	1		23.17	23.23	23.20	24.4	0.0
Channel				630668	633332	635999	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit	(dB)	
25	QPSK	1	1		23.24	23.25	23.21	24.4	0.0
Channel				630465	633332	636300	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1		23.21	23.25	23.24	24.4	0.0
Channel				630000	633332	636766	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1		23.21	23.14	23.15	24.4	0.0
Channel				630334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3465.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1		23.20	23.13	23.14	24.4	0.0

PC2 FR1 n78 PartQ Ant9 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633332					
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1		26.27				
100	P1/2 BPSK	1	137		26.22		27.9	0.0	
100	P1/2 BPSK	1	271		26.28				
100	P1/2 BPSK	135	0		26.24		27.9	0.0	
100	P1/2 BPSK	135	69		26.37		27.9	0.0	
100	P1/2 BPSK	135	138		26.35				
100	P1/2 BPSK	270	0		26.33		27.9	0.0	
100	QPSK	1	1		26.45				
100	QPSK	1	137		26.33		27.9	0.0	
100	QPSK	1	271		26.32				
100	QPSK	135	0		26.38				
100	QPSK	135	69		26.39		27.9	0.0	
100	QPSK	135	138		26.36				
100	QPSK	270	0		26.38		27.9	0.0	
100	16QAM	1	1		26.24		27.9	0.0	
100	64QAM	1	1		24.77		26.4	1.5	
100	256QAM	1	1		22.86		24.4	3.5	
Channel				633000	633332	633666	Tune-up limit		
Frequency (MHz)				3495	3499.98	3504.99	up limit		
90	QPSK	1	1		26.27	26.19	26.28	27.9	0.0
Channel				632668	633332	634000	Tune-up limit		
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1		26.19	26.26	26.24	27.9	0.0
Channel				632334	633332	634332	Tune-up limit		
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1		26.21	26.20	26.28	27.9	0.0
Channel				632000	633332	634666	Tune-up limit		
Frequency (MHz)				3480	3499.98	3519.99	up limit		
60	QPSK	1	1		26.26	26.25	26.27	27.9	0.0
Channel				631668	633332	635000	Tune-up limit		
Frequency (MHz)				3475.02	3499.98	3524.99	up limit		
50	QPSK	1	1		26.20	26.23	26.25	27.9	0.0
Channel				631334	633332	635332	Tune-up limit		
Frequency (MHz)				3470.01	3499.98	3529.98	up limit		
40	QPSK	1	1		26.23	26.21	26.24	27.9	0.0
Channel				631000	633332	635666	Tune-up limit		
Frequency (MHz)				3465	3499.98	3534.99	up limit		
30	QPSK	1	1		26.17	26.19	26.23	27.9	0.0
Channel				630704	633332	635992	Tune-up limit		
Frequency (MHz)				3460.55	3499.98	3537.48	up limit		
25	QPSK	1	1		26.22	26.23	26.20	27.9	0.0
Channel				630408	633332	636300	Tune-up limit		
Frequency (MHz)				3460.02	3499.98	3540	up limit		
20	QPSK	1	1		26.28	26.20	26.27	27.9	0.0
Channel				630100	633332	636636	Tune-up limit		
Frequency (MHz)				3459.75	3499.98	3542.49	up limit		
15	QPSK	1	1		26.26	26.26	26.17	27.9	0.0
Channel				630034	633332	636932	Tune-up limit		
Frequency (MHz)				3459.88	3499.98	3544.99	up limit		
10	QPSK	1	1		26.26	26.23	26.19	27.9	0.0

FR1 n5 Ant0 DSI 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)				
Channel				16500	16700	16900					
Frequency (MHz)				834	836.5	839					
20	PI2 BPSK	1	1	25.29	25.29	25.18	25.7	0.0			
20	PI2 BPSK	1	53	25.28	25.27	25.26					
20	PI2 BPSK	1	104	25.13	25.15	25.07					
20	PI2 BPSK	50	0	24.41	24.82	24.54	25.2	0.5			
20	PI2 BPSK	50	28	25.31	25.26	25.07	25.7	0.0			
20	PI2 BPSK	50	56	24.59	24.69	24.77	25.2	0.5			
20	PI2 BPSK	100	0	24.50	24.46	24.71					
20	QPSK	1	1	25.30	25.37	25.28					
20	QPSK	1	53	25.17	25.33	25.07	25.7	0.0			
20	QPSK	1	104	25.19	25.01	24.99					
20	QPSK	50	0	24.00	24.17	23.91	24.7	1.0			
20	QPSK	50	28	24.90	25.35	24.88	25.7	0.0			
20	QPSK	50	56	23.99	24.11	24.06	24.7	1.0			
20	QPSK	100	0	24.27	24.31	24.14					
20	16QAM	1	1	24.14	24.11	24.00	24.7	1.0			
20	64QAM	1	1	22.44	22.68	22.82	23.2	2.5			
20	256QAM	1	1	20.46	20.45	20.58	21.2	4.5			
Channel				16500	16700	16900					
Frequency (MHz)				831.5	836.5	841.5					
15	QPSK	1	1	25.34	25.21	25.16	25.7	0.0			
Channel				16500	16700	16900					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	1	25.30	25.29	25.33	25.7	0.0			
Channel				16300	16700	16900					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	1	25.15	25.14	25.34	25.7	0.0			

Reduced Power Mode for DSI 5											
FR1 n12 Ant0 DSI 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)				
Channel				141300	141500	141700					
Frequency (MHz)				709.5	707.5	709.5					
15	PI2 BPSK	1	40	24.41	24.57	24.51	25.5	0.0			
15	PI2 BPSK	1	77	24.38	24.54	24.37					
15	PI2 BPSK	36	0	23.94	24.05	23.98	25.0			0.5	
15	PI2 BPSK	36	22	24.45	24.44	24.23	25.5	0.0			
15	PI2 BPSK	36	43	23.81	24.02	23.91	25.0	0.5			
15	PI2 BPSK	76	0	24.02	24.04	24.02					
15	QPSK	1	1	24.43	24.63	24.53					
15	QPSK	1	40	24.45	24.54	24.55	25.5	0.0			
15	QPSK	1	77	24.54	24.56	24.52					
15	QPSK	36	0	23.52	23.52	23.41	24.5	1.0			
15	QPSK	36	22	24.57	24.57	24.46	25.5	0.0			
15	QPSK	36	43	23.34	23.53	23.53	24.5	1.0			
15	QPSK	76	0	23.47	23.56	23.44					
15	16QAM	1	1	23.89	23.87	23.85	24.5	1.0			
15	64QAM	1	1	22.02	22.23	22.05	23.0	2.5			
15	256QAM	1	1	19.97	20.09	20.07	21.0	4.5			
Channel				140900	141500	142100					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	1	24.62	24.51	24.56	25.5	0.0			
Channel				140300	141500	142100					
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	1	24.52	24.58	24.57	25.5	0.0			

FR1 n26 Ant0 DSI 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)			
Channel				16400	16500	16780					
Frequency (MHz)				824	831.5	839					
20	PI2 BPSK	1	1	25.20	25.18	25.03	25.7	0.0			
20	PI2 BPSK	1	53	25.15	25.23	25.25					
20	PI2 BPSK	1	104	25.01	25.15	25.19					
20	PI2 BPSK	50	0	24.56	24.67	24.55	25.2	0.5			
20	PI2 BPSK	50	28	25.20	25.13	25.03	25.7	0.0			
20	PI2 BPSK	50	56	24.54	24.67	24.78	25.2	0.5			
20	PI2 BPSK	100	0	24.47	24.59	24.73					
20	QPSK	1	1	25.19	25.26	25.22					
20	QPSK	1	53	25.18	25.24	25.14	25.7	0.0			
20	QPSK	1	104	25.13	24.99	25.04					
20	QPSK	50	0	23.94	24.04	24.04	24.7	1.0			
20	QPSK	50	28	25.03	25.21	25.02	25.7	0.0			
20	QPSK	50	56	24.06	24.15	24.05	24.7	1.0			
20	QPSK	100	0	24.16	24.22	24.17					
20	16QAM	1	1	24.03	24.12	24.06	24.7	1.0			
20	64QAM	1	1	22.58	22.67	22.79	23.2	2.5			
20	256QAM	1	1	20.47	20.37	20.67	21.2	4.5			
Channel				16500	16500	16500					
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	1	25.18	25.18	25.15	25.7	0.0			
Channel				16360	16500	16680					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	1	25.18	25.21	25.14	25.7	0.0			
Channel				16360	16500	16680					
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	1	25.06	25.16	25.21	25.7	0.0			

FR1 n5 Ant1 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	19.26	19.30	19.23		
20	PI2 BPSK	1	83	19.18	19.32	19.14	20.0	0.0
20	PI2 BPSK	1	104	19.22	19.32	19.16		
20	PI2 BPSK	50	0	19.23	19.32	19.16	20.0	0.0
20	PI2 BPSK	50	28	19.27	19.23	19.21	20.0	0.0
20	PI2 BPSK	50	55	19.23	19.30	19.14		
20	PI2 BPSK	100	0	19.17	19.22	19.22	20.0	0.0
20	QPSK	1	1	19.29	19.34	19.25		
20	QPSK	1	53	19.26	19.24	19.14	20.0	0.0
20	QPSK	1	104	19.20	19.26	19.22		
20	QPSK	50	0	19.20	19.21	19.12	20.0	0.0
20	QPSK	50	28	19.19	19.29	19.19	20.0	0.0
20	QPSK	50	55	19.16	19.27	19.20		
20	QPSK	100	0	19.25	19.26	19.21	20.0	0.0
20	16QAM	1	1	19.24	19.23	19.17	20.0	0.0
20	64QAM	1	1	19.20	19.24	19.11	20.0	0.0
20	256QAM	1	1	19.20	19.21	19.20	20.0	0.0
Channel				168300	167300	168300	Tune-	MPR
Frequency (MHz)				831.5	836.5	841.5	up limit	(dB)
15	QPSK	1	1	19.20	19.21	19.21	20.0	0.0
Channel				165800	167300	165800	Tune-	MPR
Frequency (MHz)				829	836.5	844	up limit	(dB)
10	QPSK	1	1	19.24	19.22	19.16	20.0	0.0
Channel				165300	167300	165300	Tune-	MPR
Frequency (MHz)				826.5	836.5	846.5	up limit	(dB)
5	QPSK	1	1	19.17	19.26	19.14	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	23.27	23.32	23.17		
15	PI2 BPSK	1	40	23.25	23.26	23.22	24.0	0.0
15	PI2 BPSK	1	77	23.22	23.31	23.26		
15	PI2 BPSK	36	0	23.22	23.25	23.26	24.0	0.0
15	PI2 BPSK	36	22	23.26	23.30	23.23	24.0	0.0
15	PI2 BPSK	36	43	23.16	23.23	23.16		
15	PI2 BPSK	75	0	23.27	23.31	23.20	24.0	0.0
15	QPSK	1	1	23.31	23.37	23.29		
15	QPSK	1	40	23.21	23.23	23.25	24.0	0.0
15	QPSK	1	77	23.16	23.30	23.24		
15	QPSK	36	0	23.20	23.24	23.24	24.0	0.0
15	QPSK	36	22	23.21	23.34	23.24	24.0	0.0
15	QPSK	36	43	23.25	23.26	23.16		
15	QPSK	75	0	23.16	23.26	23.17	24.0	0.0
15	16QAM	1	1	23.24	23.23	23.22	24.0	0.0
15	64QAM	1	1	21.83	21.86	21.83	22.5	1.5
15	256QAM	1	1	19.76	19.86	19.76	20.5	3.5
Channel				140800	141500	142200	Tune-	MPR
Frequency (MHz)				704	707.5	711	up limit	(dB)
10	QPSK	1	1	23.16	23.31	23.22	24.0	0.0
Channel				140300	141500	142200	Tune-	MPR
Frequency (MHz)				701.5	707.5	713.5	up limit	(dB)
5	QPSK	1	1	23.19	23.27	23.15	24.0	0.0

FR1 n26 Ant1 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166900	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	20.21	20.32	20.20		
20	PI2 BPSK	1	53	20.21	20.33	20.26	21.0	0.0
20	PI2 BPSK	1	104	20.28	20.29	20.19		
20	PI2 BPSK	50	0	20.21	20.36	20.23	21.0	0.0
20	PI2 BPSK	50	28	20.30	20.31	20.19	21.0	0.0
20	PI2 BPSK	50	56	20.31	20.34	20.24		
20	PI2 BPSK	100	0	20.21	20.34	20.20	21.0	0.0
20	QPSK	1	1	20.33	20.39	20.31		
20	QPSK	1	53	20.25	20.31	20.26	21.0	0.0
20	QPSK	1	104	20.20	20.33	20.19		
20	QPSK	50	0	20.21	20.26	20.28	21.0	0.0
20	QPSK	50	28	20.25	20.36	20.21	21.0	0.0
20	QPSK	50	56	20.22	20.33	20.25		
20	QPSK	100	0	20.23	20.29	20.21	21.0	0.0
20	16QAM	1	1	20.27	20.26	20.18	21.0	0.0
20	64QAM	1	1	20.20	20.25	20.18	21.0	0.0
20	256QAM	1	1	20.27	20.27	20.23	21.0	0.0
Channel				164300	166900	168300	Tune-	MPR
Frequency (MHz)				821.5	831.5	841.5	up limit	(dB)
15	QPSK	1	1	20.24	20.25	20.18	21.0	0.0
Channel				163800	166900	168300	Tune-	MPR
Frequency (MHz)				819	831.5	844	up limit	(dB)
10	QPSK	1	1	20.25	20.32	20.26	21.0	0.0
Channel				163300	166900	168300	Tune-	MPR
Frequency (MHz)				816.5	831.5	846.5	up limit	(dB)
5	QPSK	1	1	20.20	20.29	20.23	21.0	0.0

FR1 n7 Ant3 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				565000	507000	369000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	21.67	21.80	21.74			
50	P12 BPSK	1	135	21.61	21.76	21.68	22.5	0.0	
50	P12 BPSK	1	259	21.69	21.82	21.67			
50	P12 BPSK	135	0	21.67	21.73	21.68	22.5	0.0	
50	P12 BPSK	135	68	21.68	21.79	21.68	22.5	0.0	
50	P12 BPSK	135	135	21.60	21.80	21.75	22.5	0.0	
50	P12 BPSK	270	0	21.68	21.79	21.72			
50	QPSK	1	1	21.74	21.86	21.79			
50	QPSK	1	135	21.66	21.84	21.68	22.5	0.0	
50	QPSK	1	259	21.67	21.80	21.74			
50	QPSK	135	0	21.67	21.82	21.71	22.5	0.0	
50	QPSK	135	68	21.67	21.83	21.76	22.5	0.0	
50	QPSK	135	135	21.67	21.76	21.74	22.5	0.0	
50	QPSK	270	0	21.61	21.75	21.68			
50	16QAM	1	1	21.69	21.76	21.73	22.5	0.0	
50	8QAM	1	1	21.61	21.74	21.74	22.5	0.0	
50	256QAM	1	1	19.80	19.87	19.76	20.5	2.0	
Channel				504000	507000	510000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2530	2535	2550	up limit (dB)		
40	QPSK	1	1	21.60	21.74	21.69	22.5	0.0	
Channel				503500	507000	510500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2517.5	2535	2552.5	up limit (dB)		
35	QPSK	1	1	21.65	21.79	21.68	22.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2515	2535	2555	up limit (dB)		
30	QPSK	1	1	21.72	21.76	21.76	22.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2512.5	2535	2557.5	up limit (dB)		
25	QPSK	1	1	21.72	21.72	21.72	22.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2510	2535	2560	up limit (dB)		
20	QPSK	1	1	21.66	21.78	21.77	22.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2507.5	2535	2562.5	up limit (dB)		
15	QPSK	1	1	21.61	21.81	21.71	22.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR	
Frequency (MHz)				2505	2535	2565	up limit (dB)		
10	QPSK	1	1	21.62	21.76	21.70	22.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dB)	MPR	
Frequency (MHz)				2502.5	2535	2567.5	up limit (dB)		
5	QPSK	1	1	21.63	21.81	21.68	22.5	0.0	

FR1 n66 Ant3 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P12 BPSK	1	1	21.58	21.67	21.54			
45	P12 BPSK	1	120	21.57	21.83	21.54	22.5	0.0	
45	P12 BPSK	1	240	21.58	21.63	21.54			
45	P12 BPSK	120	0	21.58	21.61	21.55	22.5	0.0	
45	P12 BPSK	120	60	21.57	21.64	21.54	22.5	0.0	
45	P12 BPSK	120	120	21.58	21.64	21.57			
45	P12 BPSK	240	0	21.58	21.65	21.58	22.5	0.0	
45	QPSK	1	1	21.61	21.74	21.65			
45	QPSK	1	120	21.54	21.81	21.52	22.5	0.0	
45	QPSK	1	240	21.57	21.63	21.58			
45	QPSK	120	0	21.52	21.63	21.56	22.5	0.0	
45	QPSK	120	60	21.51	21.71	21.59	22.5	0.0	
45	QPSK	120	120	21.50	21.67	21.52	22.5	0.0	
45	QPSK	240	0	21.51	21.68	21.63			
45	16QAM	1	1	21.51	21.61	21.56	22.5	0.0	
45	8QAM	1	1	21.57	21.67	21.60	22.5	0.0	
45	256QAM	1	1	19.62	19.76	19.63	20.5	2.0	
Channel				346000	349000	352000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1730	1745	1760	up limit (dB)		
40	QPSK	1	1	21.52	21.66	21.62	22.5	0.0	
Channel				345500	349000	352500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)		
35	QPSK	1	1	21.48	21.67	21.60	22.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1725	1745	1765	up limit (dB)		
30	QPSK	1	1	21.56	21.61	21.61	22.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)		
25	QPSK	1	1	21.56	21.68	21.60	22.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1720	1745	1770	up limit (dB)		
20	QPSK	1	1	21.54	21.63	21.58	22.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)		
15	QPSK	1	1	21.50	21.71	21.54	22.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR	
Frequency (MHz)				1715	1745	1775	up limit (dB)		
10	QPSK	1	1	21.56	21.70	21.55	22.5	0.0	
Channel				342500	349000	355500	Tune-up limit (dB)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)		
5	QPSK	1	1	21.56	21.70	21.56	22.5	0.0	

FR1 n38 Ant3 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518000	519000	520000			
Frequency (MHz)				2590	2595	2600			
40	PI/2 BPSK	1	1	19.88	19.96	19.98	21.0	0.0	
40	PI/2 BPSK	1	53	19.85	19.96	19.91			
40	PI/2 BPSK	1	104	19.87	19.93	19.85			
40	PI/2 BPSK	50	0	19.95	20.00	19.87	21.0	0.0	
40	PI/2 BPSK	50	28	19.90	19.92	19.91	21.0	0.0	
40	PI/2 BPSK	50	58	19.95	19.99	19.98	21.0	0.0	
40	PI/2 BPSK	100	0	19.96	19.94	19.94			
40	QPSK	1	1	19.99	20.02	19.98			
40	QPSK	1	53	19.88	19.95	19.85	21.0	0.0	
40	QPSK	1	104	19.96	19.90	19.95	21.0	0.0	
40	QPSK	50	0	19.88	19.95	19.90			
40	QPSK	50	28	19.87	19.88	19.88			
40	QPSK	50	58	19.95	19.92	19.93	21.0	0.0	
40	QPSK	100	0	19.90	19.94	19.92			
40	16QAM	1	1	19.91	19.88	19.87	21.0	0.0	
40	16QAM	1	1	19.95	19.90	19.87	21.0	0.0	
40	256QAM	1	1	19.44	19.54	19.52	20.5	0.5	
Channel				517000	519000	521000	Tune-	MPR	
Frequency (MHz)				2595	2595	2605	up limit	(dB)	
30	QPSK	1	1	19.68	19.69	19.94	21.0	0.0	
Channel				518000	519000	521000	Tune-	MPR	
Frequency (MHz)				2592.5	2595	2607.5	up limit	(dB)	
25	QPSK	1	1	19.91	19.95	19.90	21.0	0.0	
Channel				519000	520000	522000	Tune-	MPR	
Frequency (MHz)				2590	2595	2610	up limit	(dB)	
20	QPSK	1	1	19.91	20.00	19.92	21.0	0.0	
Channel				519000	520000	523000	Tune-	MPR	
Frequency (MHz)				2597.5	2595	2612.5	up limit	(dB)	
15	QPSK	1	1	19.93	19.97	19.95	21.0	0.0	
Channel				519000	519000	523000	Tune-	MPR	
Frequency (MHz)				2595	2595	2615	up limit	(dB)	
10	QPSK	1	1	19.91	19.94	19.93	21.0	0.0	

FR1 n41 Ant3 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509200	518998	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.54	19.74	19.69	20.5	0.0	
100	PI/2 BPSK	1	137	19.57	19.72	19.71			
100	PI/2 BPSK	1	271	19.57	19.72	19.72			
100	PI/2 BPSK	135	0	19.60	19.74	19.67	20.5	0.0	
100	PI/2 BPSK	135	69	19.62	19.60	19.67	20.5	0.0	
100	PI/2 BPSK	135	138	19.56	19.75	19.70	20.5	0.0	
100	PI/2 BPSK	270	0	19.56	19.74	19.72			
100	QPSK	1	1	19.66	19.64	19.76			
100	QPSK	1	137	19.63	19.78	19.73	20.5	0.0	
100	QPSK	1	271	19.64	19.75	19.71	20.5	0.0	
100	QPSK	135	0	19.57	19.79	19.71			
100	QPSK	135	69	19.63	19.62	19.74			
100	QPSK	135	138	19.59	19.75	19.64	20.5	0.0	
100	QPSK	270	0	19.53	19.77	19.63			
100	16QAM	1	1	19.63	19.74	19.63	20.5	0.0	
100	16QAM	1	1	19.53	19.71	19.67	20.5	0.0	
100	256QAM	1	1	19.63	19.61	19.71	20.5	0.0	
Channel				508000	518998	520998	Tune-	MPR	
Frequency (MHz)				2541	2592.99	2644.98	up limit	(dB)	
90	QPSK	1	1	19.53	19.72	19.63	20.5	0.0	
Channel				507000	518998	520998	Tune-	MPR	
Frequency (MHz)				2536.02	2592.99	2648.98	up limit	(dB)	
80	QPSK	1	1	19.55	19.70	19.64	20.5	0.0	
Channel				506000	518998	521000	Tune-	MPR	
Frequency (MHz)				2531.01	2592.99	2655	up limit	(dB)	
70	QPSK	1	1	19.57	19.80	19.71	20.5	0.0	
Channel				505000	518998	521998	Tune-	MPR	
Frequency (MHz)				2526	2592.99	2659.98	up limit	(dB)	
60	QPSK	1	1	19.60	19.75	19.69	20.5	0.0	
Channel				504000	518998	522998	Tune-	MPR	
Frequency (MHz)				2521.02	2592.99	2664.98	up limit	(dB)	
50	QPSK	1	1	19.62	19.73	19.63	20.5	0.0	
Channel				503000	518998	523498	Tune-	MPR	
Frequency (MHz)				2516.01	2592.99	2674.48	up limit	(dB)	
45	QPSK	1	1	19.59	19.73	19.70	20.5	0.0	
Channel				502000	518998	524000	Tune-	MPR	
Frequency (MHz)				2516.01	2592.99	2670	up limit	(dB)	
40	QPSK	1	1	19.62	19.73	19.68	20.5	0.0	
Channel				502000	518998	524498	Tune-	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48	up limit	(dB)	
35	QPSK	1	1	19.64	19.80	19.64	20.5	0.0	
Channel				502000	518998	524998	Tune-	MPR	
Frequency (MHz)				2511	2592.99	2674.98	up limit	(dB)	
30	QPSK	1	1	19.58	19.79	19.74	20.5	0.0	
Channel				501000	518998	525500	Tune-	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	up limit	(dB)	
25	QPSK	1	1	19.57	19.76	19.71	20.5	0.0	
Channel				501000	518998	525998	Tune-	MPR	
Frequency (MHz)				2506.00	2592.99	2679.98	up limit	(dB)	
20	QPSK	1	1	19.59	19.80	19.72	20.5	0.0	
Channel				500700	518998	526498	Tune-	MPR	
Frequency (MHz)				2503.50	2592.99	2682.48	up limit	(dB)	
15	QPSK	1	1	19.59	19.70	19.62	20.5	0.0	
Channel				500000	518998	527000	Tune-	MPR	
Frequency (MHz)				2501.01	2592.99	2685	up limit	(dB)	
10	QPSK	1	1	19.53	19.80	19.71	20.5	0.0	

FR1 n2 Ant4 DSI 5							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				1870	1880	1890	
40	P12 BPSK	1	1	17.36	17.38	17.38	
40	P12 BPSK	1	108	17.35	17.43	17.41	18.0
40	P12 BPSK	1	214	17.38	17.45	17.40	
40	P12 BPSK	108	0	17.36	17.43	17.35	18.0
40	P12 BPSK	108	54	17.39	17.43	17.38	18.0
40	P12 BPSK	108	108	17.39	17.39	17.31	-18.0
40	P12 BPSK	216	0	17.39	17.40	17.33	18.0
40	QPSK	1	1	17.47	17.50	17.44	
40	QPSK	1	108	17.40	17.39	17.40	18.0
40	QPSK	1	214	17.41	17.38	17.37	
40	QPSK	108	0	17.35	17.40	17.31	18.0
40	QPSK	108	54	17.42	17.45	17.38	18.0
40	QPSK	108	108	17.41	17.37	17.37	-18.0
40	QPSK	216	0	17.39	17.43	17.42	18.0
40	16QAM	1	1	17.36	17.39	17.40	18.0
40	64QAM	1	1	17.37	17.37	17.35	18.0
40	256QAM	1	1	17.43	17.38	17.39	18.0
Channel							
Frequency (MHz)				373500	376000	378500	Tune- up limit (dB)
35	QPSK	1	1	17.33	17.36	17.31	18.0
Channel							
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	17.44	17.37	17.31	18.0
Channel							
Frequency (MHz)				1862.5	1880	1897.5	up limit (dB)
25	QPSK	1	1	17.43	17.47	17.36	18.0
Channel							
Frequency (MHz)				372000	376000	380000	Tune- up limit (dB)
20	QPSK	1	1	17.42	17.48	17.39	18.0
Channel							
Frequency (MHz)				371500	376000	380500	Tune- up limit (dB)
15	QPSK	1	1	17.41	17.37	17.31	18.0
Channel							
Frequency (MHz)				371000	376000	381000	Tune- up limit (dB)
10	QPSK	1	1	17.35	17.40	17.42	18.0
Channel							
Frequency (MHz)				370500	376000	381500	Tune- up limit (dB)
5	QPSK	1	1	17.40	17.46	17.31	18.0

FR1 n7 Ant4 DSI 5							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				2525	2535	2545	
50	P12 BPSK	1	1	15.89	15.96	15.94	
50	P12 BPSK	1	135	15.85	15.94	15.95	16.2
50	P12 BPSK	1	269	15.86	15.95	15.89	
50	P12 BPSK	135	0	15.93	15.91	15.95	16.2
50	P12 BPSK	135	68	15.90	15.98	15.88	16.2
50	P12 BPSK	135	135	15.93	15.96	15.98	16.2
50	P12 BPSK	270	0	15.96	15.94	15.99	16.2
50	QPSK	1	1	15.96	16.04	16.01	
50	QPSK	1	135	15.88	15.98	15.94	16.2
50	QPSK	1	269	15.94	15.98	15.91	
50	QPSK	135	0	15.90	15.92	15.93	16.2
50	QPSK	135	68	15.87	16.02	15.92	16.2
50	QPSK	135	135	15.89	16.00	15.97	16.2
50	QPSK	270	0	15.89	15.98	15.89	16.2
50	16QAM	1	1	15.95	15.92	15.89	16.2
50	64QAM	1	1	15.93	15.95	15.95	16.2
50	256QAM	1	1	15.91	15.94	15.94	16.2
Channel							
Frequency (MHz)				504000	507000	510000	Tune- up limit (dB)
40	QPSK	1	1	15.93	15.97	15.97	16.2
Channel							
Frequency (MHz)				503500	507000	510500	Tune- up limit (dB)
35	QPSK	1	1	15.85	16.00	15.88	16.2
Channel							
Frequency (MHz)				503000	507000	511000	Tune- up limit (dB)
30	QPSK	1	1	15.86	15.92	15.93	16.2
Channel							
Frequency (MHz)				502500	507000	511500	Tune- up limit (dB)
25	QPSK	1	1	15.86	15.95	15.90	16.2
Channel							
Frequency (MHz)				502000	507000	512000	Tune- up limit (dB)
20	QPSK	1	1	15.93	15.98	15.95	16.2
Channel							
Frequency (MHz)				501500	507000	512500	Tune- up limit (dB)
15	QPSK	1	1	15.91	15.97	15.89	16.2
Channel							
Frequency (MHz)				501000	507000	513000	Tune- up limit (dB)
10	QPSK	1	1	15.85	15.99	15.90	16.2
Channel							
Frequency (MHz)				500500	507000	513500	Tune- up limit (dB)
5	QPSK	1	1	15.84	15.98	15.96	16.2

FR1 n25 Ant4 DSI 5							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				1870	1882.5	1895	
40	P12 BPSK	1	1	18.24	18.42	18.16	
40	P12 BPSK	1	108	18.23	18.38	18.21	19.0
40	P12 BPSK	1	214	18.28	18.31	18.17	
40	P12 BPSK	108	0	18.27	18.40	18.18	19.0
40	P12 BPSK	108	54	18.24	18.40	18.21	19.0
40	P12 BPSK	108	108	18.31	18.34	18.18	19.0
40	P12 BPSK	216	0	18.24	18.38	18.16	19.0
40	QPSK	1	1	18.35	18.45	18.28	
40	QPSK	1	108	18.24	18.34	18.12	19.0
40	QPSK	1	214	18.24	18.40	18.17	
40	QPSK	108	0	18.28	18.35	18.22	19.0
40	QPSK	108	54	18.25	18.43	18.14	19.0
40	QPSK	108	108	18.31	18.38	18.19	19.0
40	QPSK	216	0	18.32	18.42	18.12	19.0
40	16QAM	1	1	18.33	18.39	18.19	19.0
40	64QAM	1	1	18.22	18.32	18.24	19.0
40	256QAM	1	1	18.22	18.39	18.15	19.0
Channel							
Frequency (MHz)				373500	376500	379500	Tune- up limit (dB)
35	QPSK	1	1	18.27	18.33	18.15	19.0
Channel							
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	18.30	18.35	18.16	19.0
Channel							
Frequency (MHz)				372500	376000	379500	Tune- up limit (dB)
25	QPSK	1	1	18.26	18.39	18.17	19.0
Channel							
Frequency (MHz)				372000	376500	381000	Tune- up limit (dB)
20	QPSK	1	1	18.30	18.42	18.12	19.0
Channel							
Frequency (MHz)				371500	376500	381500	Tune- up limit (dB)
15	QPSK	1	1	18.24	18.33	18.12	19.0
Channel							
Frequency (MHz)				371000	376500	382000	Tune- up limit (dB)
10	QPSK	1	1	18.28	18.37	18.15	19.0
Channel							
Frequency (MHz)				370500	376500	382500	Tune- up limit (dB)
5	QPSK	1	1	18.26	18.35	18.20	19.0

FR1 n66 Ant4 DSI 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346500	349000	351500	
Frequency (MHz)				1732.5	1745	1757.5	
45	P12 BPSK	1	1	17.82	17.97	17.87	
45	P12 BPSK	1	120	17.81	17.97	17.87	18.5
45	P12 BPSK	1	240	17.82	17.91	17.85	
45	P12 BPSK	120	0	17.87	17.89	17.88	18.5
45	P12 BPSK	120	60	17.85	17.89	17.94	18.5
45	P12 BPSK	120	120	17.89	17.99	17.97	
45	P12 BPSK	240	0	17.89	17.95	17.94	18.5
45	QPSK	1	1	17.94	18.02	17.99	
45	QPSK	1	120	17.90	17.91	17.88	18.5
45	QPSK	1	240	17.85	17.88	17.86	
45	QPSK	120	0	17.86	17.98	17.86	18.5
45	QPSK	120	60	17.88	17.99	17.95	18.5
45	QPSK	120	120	17.81	17.91	17.93	
45	QPSK	240	0	17.90	17.97	17.96	18.5
45	16QAM	1	1	17.82	17.92	17.92	18.5
45	64QAM	1	1	17.81	17.95	17.92	18.5
45	256QAM	1	1	17.85	17.93	17.94	18.5
Channel				346000	349000	352000	Tune- MPR
Frequency (MHz)				1730	1745	1760	up limit (dB)
40	QPSK	1	1	17.64	17.94	17.85	18.5
Channel				345500	349000	352000	Tune- MPR
Frequency (MHz)				1727.5	1745	1762.5	up limit (dB)
35	QPSK	1	1	17.60	17.94	17.94	18.5
Channel				345000	349000	353000	Tune- MPR
Frequency (MHz)				1725	1745	1765	up limit (dB)
30	QPSK	1	1	17.91	17.92	17.89	18.5
Channel				344500	349000	353500	Tune- MPR
Frequency (MHz)				1722.5	1745	1767.5	up limit (dB)
25	QPSK	1	1	17.89	17.98	17.93	18.5
Channel				344000	349000	354000	Tune- MPR
Frequency (MHz)				1720	1745	1770	up limit (dB)
20	QPSK	1	1	17.80	17.91	17.89	18.5
Channel				343500	349000	354500	Tune- MPR
Frequency (MHz)				1717.5	1745	1772.5	up limit (dB)
15	QPSK	1	1	17.50	17.98	17.57	18.5
Channel				343000	349000	355000	Tune- MPR
Frequency (MHz)				1715	1745	1775	up limit (dB)
10	QPSK	1	1	17.64	17.91	17.88	18.5
Channel				342500	349000	355500	Tune- MPR
Frequency (MHz)				1712.5	1745	1777.5	up limit (dB)
5	QPSK	1	1	17.81	17.94	17.91	18.5

FR1 n38 Ant4 DSI 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	17.23	17.34	17.21		
40	P12 BPSK	1	53	17.24	17.29	17.18	-17.7	0.0
40	P12 BPSK	1	104	17.20	17.31	17.24		
40	P12 BPSK	50	0	17.26	17.26	17.21	-17.7	0.0
40	P12 BPSK	50	28	17.16	17.25	17.21	-17.7	0.0
40	P12 BPSK	50	55	17.18	17.28	17.26		
40	P12 BPSK	100	0	17.17	17.33	17.26	-17.7	0.0
40	QPSK	1	1	17.29	17.37	17.31		
40	QPSK	1	53	17.22	17.34	17.22	-17.7	0.0
40	QPSK	1	104	17.22	17.24	17.20		
40	QPSK	50	0	17.26	17.29	17.21		
40	QPSK	50	28	17.26	17.33	17.28	-17.7	0.0
40	QPSK	50	55	17.18	17.24	17.28		
40	QPSK	100	0	17.20	17.27	17.24	-17.7	0.0
40	16QAM	1	1	17.16	17.23	17.25	-17.7	0.0
40	16QAM	1	1	17.15	17.26	17.23	-17.7	0.0
40	256QAM	1	1	17.25	17.26	17.29	-17.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.24	17.27	17.22	-17.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.23	17.31	17.25	-17.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.22	17.25	17.27	-17.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.23	17.30	17.19	-17.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.26	17.28	17.27	-17.7	0.0

PC3 FR1 n41 Ant4 DSI 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	16.30	16.43	16.37		
100	P12 BPSK	1	137	16.23	16.36	16.30	-16.7	0.0
100	P12 BPSK	1	271	16.27	16.43	16.36		
100	P12 BPSK	135	0	16.23	16.35	16.33	-16.7	0.0
100	P12 BPSK	135	69	16.23	16.45	16.38	-16.7	0.0
100	P12 BPSK	135	138	16.23	16.40	16.33		
100	P12 BPSK	270	0	16.33	16.37	16.28	-16.7	0.0
100	QPSK	1	1	16.34	16.36	16.38		
100	QPSK	1	137	16.22	16.46	16.30	-16.7	0.0
100	QPSK	1	271	16.23	16.46	16.35		
100	QPSK	135	0	16.25	16.37	16.29		
100	QPSK	135	69	16.31	16.41	16.28	-16.7	0.0
100	QPSK	135	138	16.26	16.36	16.35		
100	QPSK	270	0	16.26	16.46	16.32	-16.7	0.0
100	16QAM	1	1	16.23	16.40	16.31	-16.7	0.0
100	16QAM	1	1	16.26	16.43	16.30	-16.7	0.0
100	256QAM	1	1	16.30	16.40	16.31	-16.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.30	16.51	16.31	-16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.30	16.49	16.31	-16.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.31	16.51	16.29	-16.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.26	16.47	16.30	-16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.25	16.48	16.29	-16.7	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	16.31	16.47	16.25	-16.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.31	16.53	16.30	-16.7	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	16.22	16.46	16.33	-16.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.27	16.53	16.32	-16.7	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.26	16.50	16.33	-16.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.27	16.50	16.30	-16.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.26	16.48	16.34	-16.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.25	16.51	16.29	-16.7	0.0

PC2 FR1 n41 Ant4 DSI 5

FCC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	19.27	19.43	19.41		
100	P12 BPSK	1	137	19.24	19.39	19.33	-20.0	0.0
100	P12 BPSK	1	271	19.33	19.40	19.35		
100	P12 BPSK	135	0	19.25	19.39	19.38	-20.0	0.0
100	P12 BPSK	135	69	19.22	19.44	19.33	-20.0	0.0
100	P12 BPSK	135	138	19.25	19.38	19.29		
100	P12 BPSK	270	0	19.27	19.37	19.23	-20.0	0.0
100	QPSK	1	1	19.39	19.54	19.40		
100	QPSK	1	137	19.26	19.50	19.25	-20.0	0.0
100	QPSK	1	271	19.17	19.43	19.35		
100	QPSK	135	0	19.27	19.33	19.35		
100	QPSK	135	69	19.27	19.45	19.31	-20.0	0.0
100	QPSK	135	138	19.31	19.32	19.34		
100	QPSK	270	0	19.26	19.42	19.37	-20.0	0.0
100	16QAM	1	1	19.24	19.45	19.27	-20.0	0.0
100	16QAM	1	1	19.26	19.41	19.34	-20.0	0.0
100	256QAM	1	1	19.27	19.39	19.30	-20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.34	19.48	19.31	-20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.32	19.50	19.35	-20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.36	19.48	19.33	-20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.34	19.47	19.34	-20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.34	19.50	19.31	-20.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	19.34	19.44	19.32	-20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.36	19.51	19.37	-20.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	19.37	19.40	19.30	-20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.34	19.46	19.31	-20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.31	19.46	19.34	-20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.36	19.51	19.30	-20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.36	19.46	19.31	-20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.30	19.52	19.31	-20.0	0.0

FR1 n48 Ant4 DSI 5									
FCC Part96									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63000	64166	64532			
Frequency (MHz)				3570	3624.99	3679.98			
40	PI/2 BPSK	1	1	15.65	15.61	15.71			
40	PI/2 BPSK	1	53	15.67	15.71	15.82	16.5	0.0	
40	PI/2 BPSK	1	104	15.68	15.61	15.69			
40	PI/2 BPSK	50	0	15.63	15.63	15.59	16.5	0.0	
40	PI/2 BPSK	50	28	15.63	15.63	15.60	16.5	0.0	
40	PI/2 BPSK	50	56	15.62	15.66	15.70			
40	PI/2 BPSK	100	0	15.68	15.61	15.68	16.5	0.0	
40	QPSK	1	1	15.67	15.73	15.83			
40	QPSK	1	53	15.68	15.66	15.70	16.5	0.0	
40	QPSK	1	104	15.61	15.68	15.66			
40	QPSK	50	0	15.60	15.66	15.65			
40	QPSK	50	28	15.64	15.71	15.65	16.5	0.0	
40	QPSK	50	56	15.67	15.61	15.65			
40	QPSK	100	0	15.64	15.69	15.67	16.5	0.0	
40	16QAM	1	1	15.60	15.70	15.82	16.5	0.0	
40	64QAM	1	1	15.68	15.61	15.71	16.5	0.0	
40	256QAM	1	1	15.70	15.68	15.64	16.5	0.0	
Channel				637668	641668	645666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3565.02	3624.99	3684.99	up limit	(dB)	
30	QPSK	1	1	15.60	15.69	15.58	16.5	0.0	
Channel				637414	641666	645600	Tune-up limit (dB)	MPR	
Frequency (MHz)				3569.01	3624.99	3680	up limit	(dB)	
20	QPSK	1	1	15.61	15.72	15.55	16.5	0.0	
Channel				637168	641664	645168	Tune-up limit (dB)	MPR	
Frequency (MHz)				3557.52	3624.99	3692.49	up limit	(dB)	
15	QPSK	1	1	15.58	15.73	15.53	16.5	0.0	
Channel				637000	641666	646332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3565	3624.99	3694.98	up limit	(dB)	
10	QPSK	1	1	15.60	15.70	15.53	16.5	0.0	

PC3 FR1 n77 PartO Ant4 DSI 5									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.72	14.74	14.67			
100	PI/2 BPSK	1	137	14.74	14.77	14.64	15.2	0.0	
100	PI/2 BPSK	1	271	14.75	14.74	14.72			
100	PI/2 BPSK	135	0	14.77	14.81	14.84	15.2	0.0	
100	PI/2 BPSK	135	69	14.69	14.74	14.68	15.2	0.0	
100	PI/2 BPSK	135	138	14.74	14.83	14.63			
100	PI/2 BPSK	270	0	14.71	14.76	14.64	15.2	0.0	
100	QPSK	1	1	14.71	14.85	14.89			
100	QPSK	1	137	14.72	14.75	14.62	15.2	0.0	
100	QPSK	1	271	14.72	14.73	14.68			
100	QPSK	135	0	14.77	14.73	14.67			
100	QPSK	135	69	14.70	14.75	14.71	15.2	0.0	
100	QPSK	135	138	14.78	14.76	14.68			
100	QPSK	270	0	14.71	14.75	14.65	15.2	0.0	
100	16QAM	1	1	14.79	14.84	14.82	15.2	0.0	
100	64QAM	1	1	14.80	14.81	14.70	15.2	0.0	
100	256QAM	1	1	14.70	14.76	14.67	15.2	0.0	
Channel				649668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit	(dB)	
90	QPSK	1	1	14.58	14.72	14.63	15.2	0.0	
Channel				649334	650000	650666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit	(dB)	
80	QPSK	1	1	14.61	14.68	14.53	15.2	0.0	
Channel				649000	650000	650300	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3840	3945	up limit	(dB)	
70	QPSK	1	1	14.64	14.73	14.59	15.2	0.0	
Channel				648668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	up limit	(dB)	
60	QPSK	1	1	14.60	14.75	14.51	15.2	0.0	
Channel				648334	650000	650366	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	up limit	(dB)	
50	QPSK	1	1	14.66	14.63	14.60	15.2	0.0	
Channel				648000	650000	650400	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3960	up limit	(dB)	
40	QPSK	1	1	14.59	14.63	14.56	15.2	0.0	
Channel				647668	650000	650432	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3840.00	3964.98	up limit	(dB)	
30	QPSK	1	1	14.68	14.70	14.54	15.2	0.0	
Channel				647334	650000	650500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3840.00	3967.50	up limit	(dB)	
25	QPSK	1	1	14.68	14.68	14.58	15.2	0.0	
Channel				647000	650000	650566	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.01	3840	3969.99	up limit	(dB)	
20	QPSK	1	1	14.62	14.65	14.62	15.2	0.0	
Channel				646768	650000	650632	Tune-up limit (dB)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	up limit	(dB)	
15	QPSK	1	1	14.65	14.73	14.62	15.2	0.0	
Channel				647000	650000	650500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705	3840	3975	up limit	(dB)	
10	QPSK	1	1	14.68	14.68	14.62	15.2	0.0	

PC2 FR1 n77 PartO Ant4 DSI 5									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.52	17.83	17.67			
100	PI/2 BPSK	1	137	17.50	17.87	17.63	18.5	0.0	
100	PI/2 BPSK	1	271	17.49	17.89	17.61			
100	PI/2 BPSK	135	0	17.55	17.83	17.54	18.5	0.0	
100	PI/2 BPSK	135	69	17.61	17.81	17.54	18.5	0.0	
100	PI/2 BPSK	135	138	17.57	17.89	17.57			
100	PI/2 BPSK	270	0	17.60	17.80	17.62	18.5	0.0	
100	QPSK	1	1	17.63	17.72	17.67			
100	QPSK	1	137	17.61	17.85	17.59	18.5	0.0	
100	QPSK	1	271	17.59	17.86	17.65			
100	QPSK	135	0	17.55	17.82	17.63			
100	QPSK	135	69	17.57	17.87	17.56	18.5	0.0	
100	QPSK	135	138	17.59	17.82	17.62			
100	QPSK	270	0	17.55	17.85	17.63	18.5	0.0	
100	16QAM	1	1	17.60	17.80	17.55	18.5	0.0	
100	64QAM	1	1	17.50	17.82	17.55	18.5	0.0	
100	256QAM	1	1	17.55	17.58	17.56	18.5	0.0	
Channel				649668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	up limit	(dB)	
90	QPSK	1	1	17.59	17.84	17.61	18.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dB)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit	(dB)	
80	QPSK	1	1	17.55	17.86	17.64	18.5	0.0	
Channel				649000	650000	650300	Tune-up limit (dB)	MPR	
Frequency (MHz)				3735	3840	3945	up limit	(dB)	
70	QPSK	1	1	17.58	17.58	17.62	18.5	0.0	
Channel				648666	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	up limit	(dB)	
60	QPSK	1	1	17.52	17.67	17.61	18.5	0.0	
Channel				648332	650000	650668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	up limit	(dB)	
50	QPSK	1	1	17.57	17.58	17.62	18.5	0.0	
Channel				648000	650000	650400	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3960	up limit	(dB)	
40	QPSK	1	1	17.51	17.69	17.58	18.5	0.0	
Channel				647668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)				3715.02	3840.01	3954.98	up limit	(dB)	
30	QPSK	1	1	17.54	17.40	17.61	18.5	0.0	
Channel				647334	650000	650400	Tune-up limit (dB)	MPR	
Frequency (MHz)				3710.03	3845.00	3967.50	up limit	(dB)	
25	QPSK	1	1	17.52	17.69	17.57	18.5	1.6	0.0
Channel				647000	650000	650668	Tune-up limit (dB)	MPR	
Frequency (MHz)				3705.01	3840	3969.99	up limit	(dB)	
20	QPSK	1	1	17.50	17.82	17.59	18.5	0.0	
Channel				646666	650000	650334	Tune-up limit (dB)	MPR	
Frequency (MHz)				3700.02	3840	3974.98	up limit	(dB)	
15	QPSK	1	1	17.61	17.69	17.63	18.5	0.0	
Channel				646332	650000	650500	Tune-up limit (dB)	MPR	
Frequency (MHz)				3695.00	3845	3975	up limit	(dB)	
10	QPSK	1	1	17.80	17.88	17.63	18.5	0.0	

PC3 FR1 n77 PartQ Ant4 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
100	Pi/2 BPSK	1	1	15.03			15.2	0.0		
100	Pi/2 BPSK	1	137	15.13						
100	Pi/2 BPSK	1	221	15.11						
100	Pi/2 BPSK	135	0	15.08			15.2	0.0		
100	Pi/2 BPSK	135	69	15.09			15.2	0.0		
100	Pi/2 BPSK	135	135	15.02			15.2	0.0		
100	Pi/2 BPSK	270	0	15.10						
100	QPSK	1	1	15.15						
100	QPSK	1	137	15.01			15.2	0.0		
100	QPSK	1	221	15.05			15.2	0.0		
100	QPSK	135	0	15.07						
100	QPSK	135	69	15.05						
100	QPSK	135	135	15.03			15.2	0.0		
100	QPSK	270	0	15.01			15.2	0.0		
100	16QAM	1	1	15.10			15.2	0.0		
100	64QAM	1	1	15.06			15.2	0.0		
100	256QAM	1	1	15.02			15.2	0.0		
Channel				633000 633332 633666			Time-MPR			
Frequency (MHz)				3495 3499.98 3504.98			up limit			
90	QPSK	1	1	14.97	14.93	15.05	15.2	0.0		
Channel				632668 633332 634000			Time-MPR			
Frequency (MHz)				3490.02 3499.98 3510			up limit			
80	QPSK	1	1	15.01	15.05	14.95	15.2	0.0		
Channel				633332 633332 634332			Time-MPR			
Frequency (MHz)				3488.01 3499.98 3511.98			up limit			
70	QPSK	1	1	14.95	15.04	14.93	15.2	0.0		
Channel				632500 633332 633666			Time-MPR			
Frequency (MHz)				3490 3499.98 3510.98			up limit			
60	QPSK	1	1	14.96	15.04	15.04	15.2	0.0		
Channel				631668 633332 635000			Time-MPR			
Frequency (MHz)				3492.02 3499.98 3506.98			up limit			
50	QPSK	1	1	15.05	14.94	14.98	15.2	0.0		
Channel				631334 633332 635332			Time-MPR			
Frequency (MHz)				3491.01 3499.98 3528.98			up limit			
40	QPSK	1	1	15.01	14.94	14.97	15.2	0.0		
Channel				631000 633332 635666			Time-MPR			
Frequency (MHz)				3493.98 3499.98 3534.98			up limit			
30	QPSK	1	1	15.03	14.99	15.04	15.2	0.0		
Channel				630734 633332 635932			Time-MPR			
Frequency (MHz)				3492.51 3499.98 3537.48			up limit			
25	QPSK	1	1	15.02	15.03	14.95	15.2	0.0		
Channel				630652 633332 636000			Time-MPR			
Frequency (MHz)				3490.02 3499.98 3540			up limit			
20	QPSK	1	1	14.99	14.99	15.00	15.2	0.0		
Channel				630300 633332 636166			Time-MPR			
Frequency (MHz)				3487.5 3499.98 3542.48			up limit			
15	QPSK	1	1	15.03	15.00	14.99	15.2	0.0		
Channel				630334 633332 636332			Time-MPR			
Frequency (MHz)				3495.01 3499.98 3544.98			up limit			
10	QPSK	1	1	15.00	15.01	15.01	15.2	0.0		

PC2 FR1 n77 PartQ Ant4 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1		3439.98					
100	Pi2 BPSK	1	137		17.96					
100	Pi2 BPSK	1	271		18.01			18.5	0.0	
100	Pi2 BPSK	135	0		18.02			18.5	0.0	
100	Pi2 BPSK	135	69		18.02			18.5	0.0	
100	Pi2 BPSK	135	138		17.96			18.5	0.0	
100	Pi2 BPSK	270	0		17.96			18.5	0.0	
100	QPSK	1	1		18.05					
100	QPSK	1	137		18.02			18.5	0.0	
100	QPSK	1	271		18.02					
100	QPSK	135	0		18.02					
100	QPSK	135	69		18.04			18.5	0.0	
100	QPSK	135	138		18.01			18.5	0.0	
100	QPSK	270	0		17.97			18.5	0.0	
100	16QAM	1	1		17.99			18.5	0.0	
100	64QAM	1	1		18.04			18.5	0.0	
100	256QAM	1	1		18.00			18.5	0.0	
Channel										
Frequency (MHz)										
90	QPSK	1	1	633000	633332	633666	up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	3485	3493.98	3504.98	up limit	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	632668	633332	634000	up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	3490.02	3499.98	3510	up limit	MPR		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.99	17.96	17.94	up limit	18.5	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1	632600	633332	633966	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	3476.02	3485.98	3510.98	up limit	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	631334	633332	635332	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	3470.01	3489.98	3529.98	up limit	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.92	17.92	17.94	up limit	18.5	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1	3465	3499.98	3534.98	up limit	MPR		
Channel										
Frequency (MHz)										
25	QPSK	1	1	632521	633332	634142	up limit	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.92	17.90	18.00	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	630500	633332	636166	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3489.01	3499.98	3540	up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.99	17.93	17.94	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	630334	633332	636332	Tune-up limit	MPR		
Channel										
Frequency (MHz)										
10	QPSK	1	1	3455.01	3489.98	3544.98	up limit	MPR		

PC3 FR1 n78 PartO Ant4 DSI 5											
FCC Part 27O (3700-3800MHz)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				6500000							
Frequency (MHz)				3750							
100	Pi/2 BPSK	1	1		14.76			15.2	0.0		
100	Pi/2 BPSK	1	137		14.69						
100	Pi/2 BPSK	1	271		14.77						
100	Pi/2 BPSK	135	0		14.77			15.2	0.0		
100	Pi/2 BPSK	135	69		14.79			15.2	0.0		
100	Pi/2 BPSK	135	135		14.69			15.2	0.0		
100	Pi/2 BPSK	270	0		14.72						
100	QPSK	1	1		14.85						
100	QPSK	1	137		14.75			15.2	0.0		
100	QPSK	1	271		14.80			15.2	0.0		
100	QPSK	135	0		14.70						
100	QPSK	135	69		14.74						
100	QPSK	135	135		14.69			15.2	0.0		
100	QPSK	270	0		14.72			15.2	0.0		
10	16QAM	1	1		14.89			15.2	0.0		
100	8QAM	1	1		14.74						
100	256QAM	1	1		14.74						
Channel				6500000			6500332	Up limit	MPR		
Frequency (MHz)				3748.02			3754.08	Up limit	MPR		
90	QPSK	1	1	14.52	14.55	14.55	15.2				
Channel				6503334			6500666	Up limit	MPR		
Frequency (MHz)				3740.01			3750.99	Up limit	MPR		
80	QPSK	1	1	14.56	14.60	14.56	15.2				
Channel				6500000			6501000	Up limit	MPR		
Frequency (MHz)				3735			3765	Up limit	MPR		
70	QPSK	1	1	14.59	14.57	14.58	15.2				
Channel				648969			6500000	651332	Up limit	MPR	
Frequency (MHz)				3730.12			3769.88	Up limit	MPR		
60	QPSK	1	1	14.57	14.62	14.61	15.2				
Channel				645334			6500000	651666	Up limit	MPR	
Frequency (MHz)				3725.01			3764.99	Up limit	MPR		
50	QPSK	1	1	14.50	14.60	14.63	15.2				
Channel				648000			6500000	652000	Up limit	MPR	
Frequency (MHz)				3720			3760	Up limit	MPR		
40	QPSK	1	1	14.49	14.65	14.60	15.2				
Channel				647668			6500000	652332	Up limit	MPR	
Frequency (MHz)				3716.02			3750.00	3764.98	Up limit	MPR	
30	QPSK	1	1	14.81	14.66	14.57	15.2				
Channel				642000			6500000	652500	Up limit	MPR	
Frequency (MHz)				3712.5			3750.00	3787.50	Up limit	MPR	
25	QPSK	1	1	14.64	14.66	14.66	15.2				
Channel				647333			6500000	650666	Up limit	MPR	
Frequency (MHz)				3713.01			3766.99	Up limit	MPR		
20	QPSK	1	1	14.81	14.67	14.66	15.2				
Channel				644768			6500000	652832	Up limit	MPR	
Frequency (MHz)				3709.02			3762.46	Up limit	MPR		
15	QPSK	1	1	14.65	14.61	14.61	15.2				
Channel				647000			6500000	653000	Up limit	MPR	
Frequency (MHz)				3705			3765	Up limit	MPR		
10	QPSK	1	1	14.59	14.56	14.56	15.2				

PC2 FR1 n78 PartO Ant4 DSI 5									
FCC Part 27O (3700-3800MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI2 BPSK	1	1		17.76		18.5	0.0	
100	PI2 BPSK	1	137		17.78				
100	PI2 BPSK	1	271		17.83				
100	PI2 BPSK	135	0		17.82		18.5	0.0	
100	PI2 BPSK	135	69		17.82		18.5	0.0	
100	PI2 BPSK	135	135		17.74		18.5	0.0	
100	PI2 BPSK	270	0		17.82				
100	QPSK	1	1		17.85				
100	QPSK	1	137		17.78		18.5	0.0	
100	QPSK	1	271		17.73				
100	QPSK	135	0		17.79		18.5	0.0	
100	QPSK	135	69		17.81				
100	QPSK	135	135		17.78		18.5	0.0	
100	QPSK	270	0		17.74		18.5	0.0	
100	16QAM	1	1		17.77		18.5	0.0	
100	64QAM	1	1		17.73		18.5	0.0	
100	256QAM	1	1		17.78		18.5	0.0	
Channel				649668	650000	650332	Tune- up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dB)		
90	QPSK	1	1		17.63	17.63	17.62	18.5	0.0
Channel				649334	650000	650666	Tune- up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dB)		
80	QPSK	1	1		17.67	17.66	17.60	18.5	0.0
Channel				649200	650000	650800	Tune- up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dB)		
70	QPSK	1	1		17.61	17.63	17.60	18.5	0.0
Channel				648666	650000	651332	Tune- up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dB)		
60	QPSK	1	1		17.67	17.62	17.60	18.5	0.0
Channel				648334	650000	651666	Tune- up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dB)		
50	QPSK	1	1		17.60	17.66	17.60	18.5	0.0
Channel				648000	650000	652000	Tune- up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dB)		
40	QPSK	1	1		17.64	17.69	17.62	18.5	0.0
Channel				647668	650000	652332	Tune- up limit	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	(dB)		
30	QPSK	1	1		17.63	17.69	17.70	18.5	0.0
Channel				647334	650000	652666	Tune- up limit	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	(dB)		
25	QPSK	1	1		17.62	17.64	17.62	18.5	0.0
Channel				647000	650000	653000	Tune- up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.99	(dB)		
20	QPSK	1	1		17.64	17.69	17.67	18.5	0.0
Channel				646768	650000	653332	Tune- up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dB)		
15	QPSK	1	1		17.62	17.63	17.67	18.5	0.0
Channel				647000	650000	653000	Tune- up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dB)		
10	QPSK	1	1		17.61	17.64	17.62	18.5	0.0

PC3 FR1 n78 PartQ Ant4 DSI 5									
FCC Part 27Q (3450-3550MHz)									
BW (MHz)	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)				633332					
100	PI2 BPSK	1	1		14.86			15.2	0.0
100	PI2 BPSK	1	137		14.97				
100	PI2 BPSK	1	271		14.90				
100	PI2 BPSK	135	0		14.93			15.2	0.0
100	PI2 BPSK	135	69		14.89			15.2	0.0
100	PI2 BPSK	135	135		14.96			15.2	0.0
100	PI2 BPSK	270	0		14.85				
100	QPSK	1	1		14.98				
100	QPSK	1	137		14.85			15.2	0.0
100	QPSK	1	271		14.86				
100	QPSK	135	0		14.85			15.2	0.0
100	QPSK	135	69		14.91				
100	QPSK	135	135		14.90			15.2	0.0
100	QPSK	270	0		14.94			15.2	0.0
100	16QAM	1	1		14.96			15.2	0.0
100	64QAM	1	1		14.91			15.2	0.0
100	256QAM	1	1		14.90			15.2	0.0
Channel				633000	633332	633666	Tune- up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.99	(dB)		
90	QPSK	1	1		14.82	14.78	14.77	15.2	0.0
Channel				632668	633332	634000	Tune- up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	(dB)		
80	QPSK	1	1		14.84	14.84	14.85	15.2	0.0
Channel				632334	633332	634332	Tune- up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	(dB)		
70	QPSK	1	1		14.78	14.83	14.85	15.2	0.0
Channel				632000	633332	634666	Tune- up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.98	(dB)		
60	QPSK	1	1		14.77	14.74	14.81	15.2	0.0
Channel				631668	633332	635000	Tune- up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3524.98	(dB)		
50	QPSK	1	1		14.78	14.84	14.83	15.2	0.0
Channel				631334	633332	635332	Tune- up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	(dB)		
40	QPSK	1	1		14.73	14.78	14.75	15.2	0.0
Channel				631000	633332	635666	Tune- up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.99	(dB)		
30	QPSK	1	1		14.76	14.80	14.84	15.2	0.0
Channel				630664	633332	636000	Tune- up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.49	(dB)		
25	QPSK	1	1		14.78	14.79	14.83	15.2	0.0
Channel				630334	633332	636332	Tune- up limit	MPR	
Frequency (MHz)				3458.02	3499.98	3540	(dB)		
20	QPSK	1	1		14.82	14.82	14.74	15.2	0.0
Channel				630000	633332	636666	Tune- up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	(dB)		
15	QPSK	1	1		14.80	14.77	14.85	15.2	0.0
Channel				630334	633332	636332	Tune- up limit	MPR	
Frequency (MHz)				3455.01	3499.98	3544.99	(dB)		
10	QPSK	1	1		14.79	14.74	14.78	15.2	0.0

PC2 FR1 n78 PartQ Ant4 DSI 5									
FCC Part 27Q (3450-3550MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332		3499.98			
Frequency (MHz)				3499.98					
100	PI2 BPSK	1	1		17.89			18.5	0.0
100	PI2 BPSK	1	137		17.80				
100	PI2 BPSK	1	271		17.83				
100	PI2 BPSK	135	0		17.89			18.5	0.0
100	PI2 BPSK	135	69		17.89			18.5	0.0
100	PI2 BPSK	135	135		18.00			18.5	0.0
100	PI2 BPSK	270	0		17.98				
100	QPSK	1	1		18.05				
100	QPSK	1	137		17.89			18.5	0.0
100	QPSK	1	271		17.94				
100	QPSK	135	0		17.98			18.5	0.0
100	QPSK	135	69		18.01				
100	QPSK	135	135		17.87			18.5	0.0
100	QPSK	270	0		17.82			18.5	0.0
100	16QAM	1	1		17.89			18.5	0.0
100	64QAM	1	1		17.98			18.5	0.0
100	256QAM	1	1		17.88			18.5	0.0
Channel				633300		633332	633666	une-lim	MPR
90	QPSK	1	1	3495	3499.98	3504.98	une-lim	17.9	0.0
Channel				633368		633392	633424	une-lim	MPR
80	QPSK	1	1	3490.02	3499.98	3501	une-lim	17.9	0.0
Frequency (MHz)				3490.02		3499.98	3501	une-lim	(dB)
Channel				633368		633392	633424	une-lim	MPR
80	QPSK	1	1	3483.01	3499.98	3504.98	une-lim	17.7	18.5
Frequency (MHz)				3483.01		3499.98	3504.98	une-lim	(dB)
70	QPSK	1	1	3478.01	3499.98	3504.98	une-lim	17.6	18.5
Frequency (MHz)				3478.01		3499.98	3504.98	une-lim	(dB)
Channel				633300		633332	633666	une-lim	MPR
60	QPSK	1	1	3460	3499.98	3501	une-lim	17.8	18.5
Frequency (MHz)				3460		3499.98	3501	une-lim	(dB)
Channel				631668		633332	635000	une-lim	MPR
50	QPSK	1	1	3442.02	3499.98	3505	une-lim	17.8	18.5
Frequency (MHz)				3442.02		3499.98	3505	une-lim	(dB)
50	QPSK	1	1	3437.01	3499.98	3505	une-lim	17.8	18.5
Channel				631334		633332	635332	une-lim	MPR
40	QPSK	1	1	3430.01	3499.98	3505.98	une-lim	17.8	18.5
Frequency (MHz)				3430.01		3499.98	3505.98	une-lim	(dB)
Channel				634700		633332	635666	une-lim	MPR
30	QPSK	1	1	3425	3499.98	3504.99	une-lim	17.8	18.5
Frequency (MHz)				3425		3499.98	3504.99	une-lim	(dB)
30	QPSK	1	1	3418.01	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3418.01		3499.98	3504.98	une-lim	(dB)
25	QPSK	1	1	3407.51	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3407.51		3499.98	3504.98	une-lim	(dB)
20	QPSK	1	1	3397.01	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3397.01		3499.98	3504.98	une-lim	(dB)
20	QPSK	1	1	3387.01	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3387.01		3499.98	3504.98	une-lim	(dB)
15	QPSK	1	1	3376.51	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3376.51		3499.98	3504.98	une-lim	(dB)
15	QPSK	1	1	3366.01	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3366.01		3499.98	3504.98	une-lim	(dB)
10	QPSK	1	1	3355.51	3499.98	3504.98	une-lim	17.8	18.5
Frequency (MHz)				3355.51		3499.98	3504.98	une-lim	(dB)

FR1 n2 Ant5 DSI 5							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				1870	1880	1890	
40	P1/2 BPSK	1	1	18.07	18.11	18.13	
40	P1/2 BPSK	1	108	18.12	18.15	18.13	18.8
40	P1/2 BPSK	1	214	18.16	18.12	18.14	
40	P1/2 BPSK	108	0	18.11	18.19	18.08	18.8
40	P1/2 BPSK	108	54	18.14	18.22	18.13	18.8
40	P1/2 BPSK	108	108	18.15	18.14	18.15	
40	P1/2 BPSK	216	0	18.11	18.16	18.14	18.8
40	QPSK	1	1	18.14	18.25	18.18	
40	QPSK	1	108	18.17	18.18	18.12	18.8
40	QPSK	1	214	18.15	18.13	18.17	
40	QPSK	108	0	18.12	18.20	18.15	18.8
40	QPSK	108	54	18.06	18.21	18.09	18.8
40	QPSK	108	108	18.07	18.12	18.12	18.8
40	QPSK	216	0	18.05	18.16	18.08	18.8
40	16QAM	1	1	18.17	18.18	18.19	18.8
40	64QAM	1	1	18.07	18.12	18.14	18.8
40	256QAM	1	1	18.13	18.14	18.15	18.8
Channel							
Frequency (MHz)				373500	376000	378500	Tune- up limit (dB)
35	QPSK	1	1	18.79	18.07	18.03	18.8
Channel							
Frequency (MHz)				1865	1880	1895	
30	QPSK	1	1	17.69	18.01	18.08	18.8
Channel							
Frequency (MHz)				1862.5	1880	1897.5	Tune- up limit (dB)
25	QPSK	1	1	18.04	18.03	18.07	18.8
Channel							
Frequency (MHz)				371500	376000	380500	Tune- up limit (dB)
20	QPSK	1	1	17.98	18.05	18.05	18.8
Channel							
Frequency (MHz)				182.5	1880	1902.5	Tune- up limit (dB)
15	QPSK	1	1	18.07	18.03	18.12	18.8
Channel							
Frequency (MHz)				371000	376000	381000	Tune- up limit (dB)
10	QPSK	1	1	18.00	18.02	18.10	18.8
Channel							
Frequency (MHz)				370500	376000	381500	Tune- up limit (dB)
5	QPSK	1	1	18.01	18.04	18.11	18.8

FR1 n7 Ant5 DSI 5							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				2525	2535	2545	
50	P1/2 BPSK	1	1	19.45	19.57	19.61	
50	P1/2 BPSK	1	135	19.41	19.59	19.64	20.1
50	P1/2 BPSK	1	269	19.49	19.59	19.60	
50	P1/2 BPSK	135	0	19.38	19.64	19.60	20.1
50	P1/2 BPSK	135	68	19.38	19.58	19.60	20.1
50	P1/2 BPSK	135	135	19.45	19.56	19.58	
50	P1/2 BPSK	270	0	19.44	19.63	19.55	20.1
50	QPSK	1	1	19.41	19.71	19.55	
50	QPSK	1	135	19.48	19.58	19.65	20.1
50	QPSK	1	269	19.44	19.58	19.60	
50	QPSK	135	0	19.44	19.57	19.60	20.1
50	QPSK	135	68	19.45	19.68	19.63	20.1
50	QPSK	135	135	19.47	19.67	19.63	20.1
50	QPSK	270	0	19.43	19.65	19.61	20.1
50	16QAM	1	1	19.37	19.68	19.57	20.1
50	64QAM	1	1	19.43	19.60	19.58	20.1
50	256QAM	1	1	19.37	19.57	19.64	20.1
Channel							
Frequency (MHz)				504000	507000	510000	Tune- up limit (dB)
40	QPSK	1	1	19.32	19.53	19.42	20.1
Channel							
Frequency (MHz)				503500	507000	510500	Tune- up limit (dB)
35	QPSK	1	1	19.30	19.56	19.48	20.1
Channel							
Frequency (MHz)				503000	507000	510000	Tune- up limit (dB)
30	QPSK	1	1	19.30	19.61	19.40	20.1
Channel							
Frequency (MHz)				502500	507000	511500	Tune- up limit (dB)
25	QPSK	1	1	19.34	19.53	19.51	20.1
Channel							
Frequency (MHz)				502000	507000	512000	Tune- up limit (dB)
20	QPSK	1	1	19.29	19.54	19.43	20.1
Channel							
Frequency (MHz)				501500	507000	512500	Tune- up limit (dB)
15	QPSK	1	1	19.34	19.57	19.49	20.1
Channel							
Frequency (MHz)				501000	507000	513000	Tune- up limit (dB)
10	QPSK	1	1	19.33	19.59	19.45	20.1
Channel							
Frequency (MHz)				500500	507000	513500	Tune- up limit (dB)
5	QPSK	1	1	19.29	19.53	19.46	20.1

FR1 n25 Ant5 DSI 5							
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up limit (dBm)
Channel							
Frequency (MHz)				1870	1882.5	1895	
40	P1/2 BPSK	1	1	16.23	16.33	16.30	
40	P1/2 BPSK	1	108	16.27	16.40	16.29	16.8
40	P1/2 BPSK	1	214	16.25	16.30	16.28	
40	P1/2 BPSK	108	0	16.20	16.35	16.26	16.8
40	P1/2 BPSK	108	54	16.23	16.35	16.33	16.8
40	P1/2 BPSK	108	108	16.25	16.34	16.35	
40	P1/2 BPSK	216	0	16.24	16.29	16.37	16.8
40	QPSK	1	1	16.22	16.41	16.31	
40	QPSK	1	108	16.24	16.34	16.34	16.8
40	QPSK	1	214	16.31	16.34	16.29	
40	QPSK	108	0	16.19	16.30	16.26	16.8
40	QPSK	108	54	16.29	16.38	16.31	16.8
40	QPSK	108	108	16.31	16.33	16.26	16.8
40	QPSK	216	0	16.30	16.36	16.35	
40	16QAM	1	1	16.30	16.28	16.35	16.8
40	64QAM	1	1	16.22	16.38	16.32	16.8
40	256QAM	1	1	16.22	16.33	16.30	16.8
Channel							
Frequency (MHz)				373500	376500	379500	Tune- up limit (dB)
35	QPSK	1	1	16.17	16.17	16.16	16.8
Channel							
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	16.12	16.28	16.23	16.8
Channel							
Frequency (MHz)				372250	376000	380250	Tune- up limit (dB)
25	QPSK	1	1	16.17	16.17	16.17	16.8
Channel							
Frequency (MHz)				372000	376500	381000	Tune- up limit (dB)
20	QPSK	1	1	16.17	16.19	16.17	16.8
Channel							
Frequency (MHz)				371500	376500	381500	Tune- up limit (dB)
15	QPSK	1	1	16.11	16.26	16.20	16.8
Channel							
Frequency (MHz)				371000	376500	382000	Tune- up limit (dB)
10	QPSK	1	1	16.13	16.25	16.20	16.8
Channel							
Frequency (MHz)				370500	376500	382500	Tune- up limit (dB)
5	QPSK	1	1	16.12	16.24	16.27	16.8

FR1 n66 Ant5 DSI 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	351000	MPR (dB)
Frequency (MHz)				1732.5	1745	1757.5	
45	P1/2 BPSK	1	1	18.85	19.08	18.99	19.9
45	P1/2 BPSK	1	120	18.87	19.13	19.01	
45	P1/2 BPSK	1	240	18.95	19.08	18.99	
45	P1/2 BPSK	120	0	18.88	19.11	18.99	19.9
45	P1/2 BPSK	120	60	18.93	19.03	18.98	19.9
45	P1/2 BPSK	120	120	18.85	19.04	19.03	19.9
45	P1/2 BPSK	240	0	18.93	19.11	18.99	
45	QPSK	1	1	18.86	19.16	18.99	
45	QPSK	1	120	18.91	19.05	18.94	19.9
45	QPSK	1	240	18.95	19.06	19.01	
45	QPSK	120	0	18.94	19.10	18.98	
45	QPSK	120	60	18.93	19.11	18.99	19.9
45	QPSK	120	120	18.89	19.08	19.02	19.9
45	QPSK	240	0	18.95	19.11	18.97	
45	16QAM	1	1	18.83	19.02	18.93	
45	64QAM	1	1	18.84	19.02	19.03	19.9
45	256QAM	1	1	18.87	19.12	18.96	19.9
Channel				346000	349000	352000	Tune-up limit (dB)
Frequency (MHz)				1730	1745	1760	up limit
40	QPSK	1	1	18.81	19.00	18.88	19.9
Channel				345000	349000	352000	Tune-up limit (dB)
Frequency (MHz)				1727.5	1745	1762.5	up limit
35	QPSK	1	1	18.77	19.06	18.92	19.9
Channel				345000	349000	353000	Tune-up limit (dB)
Frequency (MHz)				1725	1745	1765	up limit
30	QPSK	1	1	18.72	19.09	18.84	19.9
Channel				344000	349000	353000	Tune-up limit (dB)
Frequency (MHz)				1722.5	1745	1767.5	up limit
25	QPSK	1	1	18.60	19.09	18.89	19.9
Channel				344000	349000	354000	Tune-up limit (dB)
Frequency (MHz)				1720	1745	1770	up limit
20	QPSK	1	1	18.78	19.02	18.84	19.9
Channel				343000	349000	354000	Tune-up limit (dB)
Frequency (MHz)				1717.5	1745	1772.5	up limit
15	QPSK	1	1	18.71	19.08	18.91	19.9
Channel				343000	349000	355000	Tune-up limit (dB)
Frequency (MHz)				1715	1745	1775	up limit
10	QPSK	1	1	18.74	19.07	18.89	19.9
Channel				342000	349000	355000	Tune-up limit (dB)
Frequency (MHz)				1712.5	1745	1777.5	up limit
5	QPSK	1	1	18.76	19.04	18.92	19.9

FR1 n38 Ant5 DSI 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
2590 2595 2600								
40	PI2 BPSK	1	1	18.35	18.52	18.45		
40	PI2 BPSK	1	53	18.34	18.46	18.49	19.5	0.0
40	PI2 BPSK	1	104	18.43	18.53	18.40		
40	PI2 BPSK	50	0	18.38	18.56	18.48	19.5	0.0
40	PI2 BPSK	50	28	18.39	18.54	18.47	19.5	0.0
40	PI2 BPSK	50	55	18.41	18.54	18.41		
40	PI2 BPSK	100	0	18.35	18.50	18.44	19.5	0.0
40	QPSK	1	1	18.39	18.59	18.42		
40	QPSK	1	53	18.35	18.50	18.43	19.5	0.0
40	QPSK	1	104	18.35	18.54	18.45		
40	QPSK	50	0	18.40	18.48	18.50		
40	QPSK	50	28	18.37	18.51	18.47	19.5	0.0
40	QPSK	50	55	18.38	18.47	18.40		
40	QPSK	100	0	18.40	18.55	18.41	19.5	0.0
40	16QAM	1	1	18.43	18.50	18.45	19.5	0.0
40	16QAM	1	1	18.44	18.51	18.43	19.5	0.0
40	256QAM	1	1	18.39	18.48	18.44	19.5	0.0
Channel								
Frequency (MHz)								
517000 518000 521000								
2585 2595 2605								
30	QPSK	1	1	18.30	18.43	18.34	19.5	0.0
Channel								
Frequency (MHz)								
518500 519000 521500								
2582.5 2595 2607.5								
25	QPSK	1	1	18.31	18.36	18.31	19.5	0.0
Channel								
Frequency (MHz)								
52000 521000 522000								
2580 2595 2610								
20	QPSK	1	1	18.25	18.46	18.37	19.5	0.0
Channel								
Frequency (MHz)								
521500 519000 522500								
2577.5 2595 2612.5								
15	QPSK	1	1	18.26	18.46	18.33	19.5	0.0
Channel								
Frequency (MHz)								
52300 515000 523000								
2575 2595 2615								
10	QPSK	1	1	18.23	18.39	18.29	19.5	0.0

PC3 FR1 n41 Ant5 DSI 5

FCC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
2546.01 2592.99 2640								
100	PI2 BPSK	1	1	18.20	18.26	18.15		
100	PI2 BPSK	1	137	18.15	18.21	18.18	19.2	0.0
100	PI2 BPSK	1	271	18.13	18.25	18.24		
100	PI2 BPSK	135	0	18.14	18.33	18.19	19.2	0.0
100	PI2 BPSK	135	69	18.12	18.24	18.22	19.2	0.0
100	PI2 BPSK	135	138	18.12	18.25	18.14		
100	PI2 BPSK	270	0	18.16	18.23	18.25	19.2	0.0
100	QPSK	1	1	18.14	18.35	18.18		
100	QPSK	1	137	18.11	18.28	18.15	19.2	0.0
100	QPSK	1	271	18.15	18.26	18.14		
100	QPSK	135	0	18.17	18.29	18.21		
100	QPSK	135	69	18.14	18.31	18.21	19.2	0.0
100	QPSK	135	138	18.11	18.28	18.25		
100	QPSK	270	0	18.13	18.27	18.18	19.2	0.0
100	16QAM	1	1	18.12	18.32	18.21	19.2	0.0
100	16QAM	1	1	18.14	18.27	18.14	19.2	0.0
100	256QAM	1	1	18.12	18.30	18.22	19.2	0.0
Channel								
Frequency (MHz)								
508200 518598 528996								
2541 2592.99 2644.98								
90	QPSK	1	1	18.03	18.17	18.12	19.2	0.0
Channel								
Frequency (MHz)								
510204 518598 529098								
2536.02 2592.99 2649.99								
80	QPSK	1	1	18.04	18.23	18.10	19.2	0.0
Channel								
Frequency (MHz)								
520202 518598 531000								
2531.01 2592.99 2655								
70	QPSK	1	1	18.01	18.19	18.06	19.2	0.0
Channel								
Frequency (MHz)								
530200 518598 531996								
2526 2592.99 2658.88								
60	QPSK	1	1	18.01	18.15	18.11	19.2	0.0
Channel								
Frequency (MHz)								
534204 518598 533998								
2521.02 2592.99 2654.99								
50	QPSK	1	1	18.07	18.21	18.12	19.2	0.0
Channel								
Frequency (MHz)								
537000 518598 534996								
2513.05 2592.99 2657.45								
45	QPSK	1	1	18.11	18.23	18.10	19.2	0.0
Channel								
Frequency (MHz)								
538202 518598 534000								
2516.01 2592.99 2670								
40	QPSK	1	1	18.01	18.16	18.14	19.2	0.0
Channel								
Frequency (MHz)								
539204 518598 534998								
2513.52 2592.99 2672.49								
35	QPSK	1	1	18.11	18.29	18.08	19.2	0.0
Channel								
Frequency (MHz)								
540200 518598 535996								
2511 2592.99 2674.98								
30	QPSK	1	1	18.08	18.14	18.12	19.2	0.0
Channel								
Frequency (MHz)								
541702 518598 535996								
2508.51 2592.99 2677.5								
25	QPSK	1	1	18.05	18.22	18.04	19.2	0.0
Channel								
Frequency (MHz)								
542704 518598 535998								
2506.09 2592.99 2679.99								
20	QPSK	1	1	18.07	18.17	18.05	19.2	0.0
Channel								
Frequency (MHz)								
543700 518598 536496								
2503.69 2592.99 2682.48								
15	QPSK	1	1	18.04	18.17	18.09	19.2	0.0
Channel								
Frequency (MHz)								
545202 518598 537000								
2501.01 2592.99 2685								
10	QPSK	1	1	18.00	18.23	18.03	19.2	0.0

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FCC

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
2546.01 2592.99 2640								
100	PI2 BPSK	1	1	21.16	21.30	21.20		
100	PI2 BPSK	1	137	21.12	21.18	21.15	22.2	0.0
100	PI2 BPSK	221	1	21.11	21.29	21.25		
100	PI2 BPSK	135	0	21.19	21.27	21.15	22.2	0.0
100	PI2 BPSK	135	69	21.14	21.22	21.20	22.2	0.0
100	PI2 BPSK	135	133	21.20	21.31	21.16	22.2	0.0
100	PI2 BPSK	230	0	21.27	21.31	21.27		
100	QPSK	1	1	21.08	21.38	21.21		
100	QPSK	1	137	21.16	21.32	21.18	22.2	0.0
100	QPSK	1	221	21.35	21.28	21.14		
100	QPSK	135	0	21.20	21.28	21.24		
100	QPSK	135	69	21.14	21.34	21.26	22.2	0.0
100	QPSK	135	133	21.14	21.28	21.26		
100	QPSK	230	0	21.22	21.38	21.22	22.2	0.0
100	16QAM	1	1	21.08	21.34	21.18	22.2	0.0
100	16QAM	1	1	21.12	21.31	21.13	22.2	0.0
100	256QAM	1	1	21.16	21.25	21.12		
Channel								
52620.1 185698 526996								
95	QPSK	1	1	25.11	2592.99	2644.99	up limit (dB)	
95	QPSK	1	137	25.10	21.13	21.15	up limit (dB)	
Channel								
52620.1 185698 526996								
80	QPSK	1	1	25.03	21.22	21.12	22.2	0.0
80	QPSK	1	137	25.09	21.00	21.00	up limit (dB)	
80	QPSK	1	1	21.03	21.29	2655	up limit (dB)	
80	QPSK	1	1	21.06	21.12	21.10	22.2	0.0
Channel								
52620 185698 531996								
70	QPSK	1	1	25.09	2592.99	2659.99	up limit (dB)	
60	QPSK	1	1	21.04	21.17	21.16	22.2	0.0
60	QPSK	1	1	52620.1 185698 532996				MPR
60	QPSK	1	1	2664.99 2659.99				MPR
50	QPSK	1	1	21.03	21.14	21.14	22.2	0.0
Channel								
530700 185698 533496								
45	QPSK	1	1	25.15	2592.99	2674.99	up limit (dB)	
45	QPSK	1	1	25.15	21.25	21.17	22.2	0.0
Channel								
53160.1 258929 534600								
40	QPSK	1	1	25.02	2592.99	2670	up limit (dB)	
40	QPSK	1	1	21.07	21.15	21.12	22.2	0.0
35	QPSK	1	1	25.02	258929	534600		MPR
35	QPSK	1	1	21.01	21.30	21.17	22.2	0.0
Channel								
53160.1 258929 534600								
30	QPSK	1	1	25.11	2592.99	2674.99	up limit (dB)	
30	QPSK	1	1	21.05	21.15	21.15	22.2	0.0
25	QPSK	1	1	25.08	2592.99	2677.5	up limit (dB)	
25	QPSK	1	1	21.07	21.16	21.12	22.2	0.0
Channel								
53120.1 185698 535996								
20	QPSK	1	1	25.09	2592.99	2679.99	up limit (dB)	
20	QPSK	1	1	21.00	21.12	21.12	22.2	0.0
Channel								
53070 185698 536496								
15	QPSK	1	1	25.02	2592.99	2682.45	up limit (dB)	
15	QPSK	1	1	21.08	21.20	21.18	22.2	0.0
Channel								
53002.1 185698 537000								
10	QPSK	1	1	25.01	2592.99	2685	up limit (dB)	
10	QPSK	1	1	21.07	21.15	21.12	22.2	0.0

FR1 n48 Ant5 DSI 5									
FCC Part96									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641600	646332	645332		
Frequency (MHz)				3024.99	3024.99	3024.99	3024.99		
40	PI2 BPSK	1	1	15.76	15.90	15.78	17.0	0.0	
40	PI2 BPSK	1	53	15.72	15.82	15.78			
40	PI2 BPSK	1	104	15.74	15.84	15.82			
40	PI2 BPSK	50	0	15.83	15.83	15.89	15.80	17.0	0.0
40	PI2 BPSK	50	28	15.76	15.88	15.77	15.77	17.0	0.0
40	PI2 BPSK	50	56	15.81	15.87	15.74	17.0	0.0	
40	PI2 BPSK	100	0	15.83	15.87	15.82			
40	QPSK	1	1	15.83	15.95	15.79			
40	QPSK	1	53	15.80	15.88	15.75	17.0	0.0	
40	QPSK	1	104	15.76	15.89	15.78	17.0	0.0	
40	QPSK	50	0	15.77	15.88	15.80			
40	QPSK	50	28	15.79	15.91	15.77			
40	QPSK	50	56	15.81	15.90	15.79	17.0	0.0	
40	QPSK	100	0	15.79	15.90	15.80			
40	16QAM	1	1	15.76	15.87	15.83	17.0	0.0	
40	64QAM	1	1	15.79	15.87	15.77	17.0	0.0	
40	256QAM	1	1	15.79	15.82	15.74	17.0	0.0	
Channel				637200	641600	646332	645332		
Frequency (MHz)				3565.02	3624.99	3694.99	up limit	(dB)	
30	QPSK	1	1	15.72	15.73	15.70	17.0	0.0	
Channel				637100	641600	646332	645332		
Frequency (MHz)				3569.01	3624.99	3690	up limit	(dB)	
20	QPSK	1	1	15.68	15.75	15.73	17.0	0.0	
Channel				637108	641600	646336	645336		
Frequency (MHz)				3570.48	3624.99	3690.48	up limit	(dB)	
15	QPSK	1	1	15.70	15.75	15.68	17.0	0.0	
Channel				637000	641600	646332	645332		
Frequency (MHz)				3565.00	3624.99	3690	up limit	(dB)	
10	QPSK	1	1	15.72	15.70	15.70	17.0	0.0	

PC3 FR1 n77 PartO Ant5 DSI 5											
FCC Part 270 (3700-3980MHz)											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR			
Channel											
Frequency (MHz)											
100	PI2 BPSK	1	1	15.88	16.03	15.92	17.0	0.0			
100	PI2 BPSK	1	137	16.00	16.02	15.94					
100	PI2 BPSK	1	271	15.91	16.09	15.95					
100	PI2 BPSK	135	0	15.90	16.01	15.99	17.0	0.0			
100	PI2 BPSK	135	69	15.95	16.00	15.97	17.0	0.0			
100	PI2 BPSK	135	138	15.98	16.06	15.96	17.0	0.0			
100	PI2 BPSK	270	0	15.92	16.08	15.93					
100	QPSK	1	1	15.94	16.12	15.92					
100	QPSK	1	137	15.98	16.09	15.90	17.0	0.0			
100	QPSK	1	271	15.96	16.01	15.98	17.0	0.0			
100	QPSK	135	0	15.90	16.02	15.93					
100	QPSK	135	69	15.96	16.05	15.93					
100	QPSK	135	138	15.93	16.08	15.89	17.0	0.0			
100	QPSK	270	0	15.90	16.03	15.96					
100	16QAM	1	1	15.96	16.06	15.97	17.0	0.0			
100	64QAM	1	1	15.90	16.11	15.91	17.0	0.0			
100	256QAM	1	1	15.90	16.05	15.88	17.0	0.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	3745.02	3840	3934.98	up limit	(dB)			
Channel											
Frequency (MHz)											
80	QPSK	1	1	3740.01	3840	3939.99	up limit	(dB)			
Channel											
Frequency (MHz)											
70	QPSK	1	1	3735	3840	3945	up limit	(dB)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	3730.01	3840	3940.99	up limit	(dB)			
Channel											
Frequency (MHz)											
50	QPSK	1	1	3725.01	3840	3935.98	up limit	(dB)			
Channel											
Frequency (MHz)											
40	QPSK	1	1	3720.01	3840	3930.98	up limit	(dB)			
Channel											
Frequency (MHz)											
30	QPSK	1	1	3715.02	3840.00	3924.98	up limit	(dB)			
Channel											
Frequency (MHz)											
25	QPSK	1	1	3712.5	3840.00	3927.50	up limit	(dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	1	3710.01	3840	3929.99	up limit	(dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	1	3707.52	3840	3927.48	up limit	(dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	1	3705	3840	3925	up limit	(dB)			

PC2 FR1 n77 PartO Ant5 DSI 5									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.95	19.02	18.95	20.5	0.0	
100	PI2 BPSK	1	137	18.95	18.98	18.94		0.0	
100	PI2 BPSK	1	271	18.87	19.09	18.95		0.0	
100	PI2 BPSK	135	0	18.91	18.99	19.00	20.5	0.0	
100	PI2 BPSK	135	69	18.97	19.07	18.92	20.5	0.0	
100	PI2 BPSK	135	138	18.98	19.09	19.00	20.5	0.0	
100	PI2 BPSK	270	0	18.88	19.11	18.90		0.0	
100	QPSK	1	1	18.94	19.15	18.92		0.0	
100	QPSK	1	137	18.96	18.99	18.86	20.5	0.0	
100	QPSK	1	271	19.00	18.97	18.93	20.5	0.0	
100	QPSK	135	0	18.86	19.06	18.87		0.0	
100	QPSK	135	69	18.95	19.10	18.95		0.0	
100	QPSK	135	138	18.99	19.02	18.91	20.5	0.0	
100	QPSK	270	0	18.86	19.03	18.86		0.0	
100	16QAM	1	1	18.91	19.07	18.88	20.5	0.0	
100	64QAM	1	1	18.95	19.15	18.85	20.5	0.0	
100	256QAM	1	1	18.89	19.08	18.92	20.5	0.0	
Channel				649668	650000	662332	Tune-up	MPR	
Frequency (MHz)				3745.02	3840	3934.98	limit	(dB)	
90	QPSK	1	1	18.94	19.09	18.84	20.5	0.0	
Channel				649334	650000	662066	Tune-up	MPR	
Frequency (MHz)				3740.01	3840	3939.99	up limit	(dB)	
80	QPSK	1	1	18.93	19.10	18.84	20.5	0.0	
Channel				649000	650000	663000	Tune-up	MPR	
Frequency (MHz)				3735	3840	3945	up limit	(dB)	
70	QPSK	1	1	18.80	19.02	18.78	20.5	0.0	
Channel				648666	650000	663332	Tune-up	MPR	
Frequency (MHz)				3730.02	3840	3940.98	up limit	(dB)	
60	QPSK	1	1	18.91	19.08	18.88	20.5	0.0	
Channel				648332	650000	663666	Tune-up	MPR	
Frequency (MHz)				3725.01	3840	3945.99	up limit	(dB)	
50	QPSK	1	1	18.89	19.07	18.85	20.5	0.0	
Channel				648000	650000	664000	Tune-up	MPR	
Frequency (MHz)				3720	3840	3950	up limit	(dB)	
40	QPSK	1	1	18.81	19.11	18.84	20.5	0.0	
Channel				647668	650000	664332	Tune-up	MPR	
Frequency (MHz)				3715.02	3840	3951.98	up limit	(dB)	
30	QPSK	1	1	18.83	19.01	18.79	20.5	0.0	
Channel				647334	650000	664666	Tune-up	MPR	
Frequency (MHz)				3710.01	3840	3956.99	up limit	(dB)	
25	QPSK	1	1	18.87	19.08	18.79	20.5	0.0	
Channel				646999	650000	665000	Tune-up	MPR	
Frequency (MHz)				3705.01	3840	3961.99	up limit	(dB)	
20	QPSK	1	1	18.80	19.05	18.86	20.5	0.0	
Channel				646665	650000	665332	Tune-up	MPR	
Frequency (MHz)				3700.02	3840	3972.48	up limit	(dB)	
15	QPSK	1	1	18.80	19.10	18.84	20.5	0.0	
Channel				647000	650000	665500	Tune-up	MPR	
Frequency (MHz)				3695.01	3840	3975	up limit	(dB)	
10	QPSK	1	1	18.88	19.06	18.89	20.5	0.0	

PC3 FR1 n77 PartQ Ant5 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
100	PI2 BPSK	1	1		16.48					
100	PI2 BPSK	1	137		16.45		17.0	0.0		
100	PI2 BPSK	1	271		16.53					
100	PI2 BPSK	135	0		16.45		17.0	0.0		
100	PI2 BPSK	135	69		16.54		17.0	0.0		
100	PI2 BPSK	135	135		16.44					
100	PI2 BPSK	270	0		16.43		17.0	0.0		
100	QPSK	1	1		16.56					
100	QPSK	1	137		16.43		17.0	0.0		
100	QPSK	1	271		16.52					
100	QPSK	135	0		16.49					
100	QPSK	135	69		16.53		17.0	0.0		
100	QPSK	135	135		16.52					
100	QPSK	270	0		16.47		17.0	0.0		
100	16QAM	1	1		16.50		17.0	0.0		
100	16QAM	1	1		16.45		17.0	0.0		
100	256QAM	1	1		16.53		17.0	0.0		
Channel				633000 633332 633696			Time-MPR			
Frequency (MHz)				3495 3499.98 3504.99			up limit			
90	QPSK	1	1	16.43	16.47	16.49	17.0			
Channel				632698 633332 634000			Time-MPR			
Frequency (MHz)				3490.02 3499.98 3510			up limit			
80	QPSK	1	1	16.44	16.45	16.43	17.0	0.0		
Channel				632334 633332 634332			Time-MPR			
Frequency (MHz)				3488.01 3499.98 3514.98			up limit			
70	QPSK	1	1	16.49	16.50	16.47	17.0	0.0		
Channel				632000 633332 633696			Time-MPR			
Frequency (MHz)				3480.01 3499.98 3519.99			up limit			
60	QPSK	1	1	16.39	16.41	16.45	17.0	0.0		
Channel				631698 633332 635000			Time-MPR			
Frequency (MHz)				3472.02 3499.98 3524.99			up limit			
50	QPSK	1	1	16.47	16.39	16.47	17.0	0.0		
Channel				631334 633332 635332			Time-MPR			
Frequency (MHz)				3470.01 3499.98 3529.99			up limit			
40	QPSK	1	1	16.42	16.47	16.48	17.0	0.0		
Channel				631000 633332 635696			Time-MPR			
Frequency (MHz)				3465 3499.98 3534.99			up limit			
30	QPSK	1	1	16.47	16.38	16.48	17.0	0.0		
Channel				630734 633332 636000			Time-MPR			
Frequency (MHz)				3462.51 3499.98 3537.48			up limit			
25	QPSK	1	1	16.40	16.39	16.43	17.0	0.0		
Channel				636252 633332 636000			Time-MPR			
Frequency (MHz)				3460.02 3499.98 3540			up limit			
20	QPSK	1	1	16.49	16.44	16.50	17.0	0.0		
Channel				636000 633332 636196			Time-MPR			
Frequency (MHz)				3457.5 3499.98 3542.49			up limit			
15	QPSK	1	1	16.47	16.48	16.45	17.0	0.0		
Channel				636334 633332 636332			Time-MPR			
Frequency (MHz)				3455.01 3499.98 3544.99			up limit			
10	QPSK	1	1	16.47	16.48	16.48	17.0	0.0		

PC2 FR1 n77 PartQ Ant5 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1		19.44					
100	PI2 BPSK	1	137		19.48		20.5	0.0		
100	PI2 BPSK	1	271		19.54					
100	PI2 BPSK	135	0		19.39		20.5	0.0		
100	PI2 BPSK	135	69		19.59		20.5	0.0		
100	PI2 BPSK	135	135		19.43					
100	PI2 BPSK	270	0		19.42		20.5	0.0		
100	QPSK	1	1		19.61					
100	QPSK	1	137		19.38		20.5	0.0		
100	QPSK	1	271		19.51					
100	QPSK	135	0		19.47					
100	QPSK	135	69		19.56		20.5	0.0		
100	QPSK	135	135		19.53					
100	QPSK	270	0		19.51		20.5	0.0		
100	16QAM	1	1		19.45					
100	16QAM	1	1		19.46		20.5	0.0		
100	256QAM	1	1		19.53		20.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	3495	3499.98	3504.99	up limit			
Channel										
Frequency (MHz)										
80	QPSK	1	1	3490.02	3499.98	3510	up limit			
Channel										
Frequency (MHz)										
70	QPSK	1	1	3485.01	3499.98	3514.98	up limit			
Channel										
Frequency (MHz)										
60	QPSK	1	1	3480.01	3499.98	3519.99	up limit			
Channel										
Frequency (MHz)										
50	QPSK	1	1	3475.01	3499.98	3524.99	up limit			
Channel										
Frequency (MHz)										
40	QPSK	1	1	3470.01	3499.98	3529.99	up limit			
Channel										
Frequency (MHz)										
30	QPSK	1	1	3465.01	3499.98	3534.99	up limit			
Channel										
Frequency (MHz)										
25	QPSK	1	1	3462.51	3499.98	3537.48	up limit			
Channel										
Frequency (MHz)										
20	QPSK	1	1	3460.02	3499.98	3540	up limit			
Channel										
Frequency (MHz)										
15	QPSK	1	1	3457.5	3499.98	3542.49	up limit			
Channel										
Frequency (MHz)										
10	QPSK	1	1	3455.01	3499.98	3544.98	up limit			

PC3 FR1 n78 Part0 Ant5 DSI 5										
FCC Part 270 (3700-3800MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	PI2 BPSK	1	1		16.60					
100	PI2 BPSK	1	137		16.64		17.5	0.0		
100	PI2 BPSK	1	271		16.58					
100	PI2 BPSK	135	0		16.64		17.5	0.0		
100	PI2 BPSK	135	69		16.64		17.5	0.0		
100	PI2 BPSK	135	135		16.56					
100	PI2 BPSK	270	0		16.54		17.5	0.0		
100	QPSK	1	1		16.71					
100	QPSK	1	137		16.54		17.5	0.0		
100	QPSK	1	271		16.65					
100	QPSK	135	0		16.56					
100	QPSK	135	69		16.65		17.5	0.0		
100	QPSK	135	135		16.63					
100	QPSK	270	0		16.60		17.5	0.0		
100	16QAM	1	1		16.62					
100	16QAM	1	1		16.62		17.5	0.0		
100	256QAM	1	1		16.54		17.5	0.0		
Channel				649668 650000 650332						
Frequency (MHz)				3745.02 3750 3754.98						
90	QPSK	1	1	16.5	16.47	16.43	up limit			
Channel				649334 650000 650666						
Frequency (MHz)				3740.01 3750 3759.99						
80	QPSK	1	1	16.46	16.49	16.48	up limit			
Channel				649000 650000 651000						
Frequency (MHz)				3735 3750 3765						
70	QPSK	1	1	16.54	16.48	16.54	up limit			
Channel				648668 650000 651332						
Frequency (MHz)				3730.02 3750 3769.98						
60	QPSK	1	1	16.52	16.48	16.47	up limit			
Channel				648334 650000 651666						
Frequency (MHz)				3725.01 3750 3769.99						
50	QPSK	1	1	16.49	16.52	16.47	up limit			
Channel				648000 650000 650500						
Frequency (MHz)				3720 3750 3760						
40	QPSK	1	1	16.52	16.53	16.56	up limit			
Channel				647668 650000 652332						
Frequency (MHz)				3715.02 3750 3764.98						
30	QPSK	1	1	16.49	16.45	16.54	up limit			
Channel				647334 650000 653000						
Frequency (MHz)				3710.02 3750 3767.50						
25	QPSK	1	1	16.56	16.47	16.53	up limit			
Channel				647000 650000 653666						
Frequency (MHz)				3705.01 3750 3765.99						
20	QPSK	1	1	16.48	16.45	16.52	up limit			
Channel				646768 650000 654332						
Frequency (MHz)				3700.02 3750 3762.46						
15	QPSK	1	1	16.55	16.45	16.54	up limit			
Channel				646500 650000 655000						
Frequency (MHz)				3695.03 3750 3755						
10	QPSK	1	1	16.54	16.44	16.54	up limit			

PC2 FR1 n78 PartO Ant5 DSI 5										
FCC Part 270 (3700-3800MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000						
Frequency (MHz)				3750						
100	PI2 BPSK	1	1	19.65						
100	PI2 BPSK	1	137	19.59			21.0	0.0		
100	PI2 BPSK	1	221	19.59						
100	PI2 BPSK	135	0	19.63			21.0	0.0		
100	PI2 BPSK	135	69	19.58			21.0	0.0		
100	PI2 BPSK	135	135	19.58						
100	PI2 BPSK	270	0	19.51			21.0	0.0		
100	QPSK	1	1	19.69						
100	QPSK	1	137	19.57			21.0	0.0		
100	QPSK	1	221	19.67						
100	QPSK	135	0	19.59			21.0	0.0		
100	QPSK	135	69	19.56						
100	QPSK	135	135	19.65						
100	QPSK	270	0	19.63			21.0	0.0		
100	16QAM	1	1	19.64			21.0	0.0		
100	16QAM	1	137	19.67			21.0	0.0		
100	256QAM	1	1	19.49			21.0	0.0		
Channel				649668 650000 650332						
Frequency (MHz)				3745.02 3750 3754.98						
90	QPSK	1	1	19.64			21.0	0.0		
Channel				649334 650000 650666						
Frequency (MHz)				3749.01 3750 3759.99						
80	QPSK	1	1	19.55	19.61	19.55	21.0	0.0		
Channel				649000 650000 651000						
Frequency (MHz)				3735 3750 3765						
70	QPSK	1	1	19.54	19.60	19.54	21.0	0.0		
Channel				648668 650000 651332						
Frequency (MHz)				3730.02 3750 3769.98						
60	QPSK	1	1	19.56	19.61	19.56	21.0	0.0		
Channel				648334 650000 651666						
Frequency (MHz)				3725.01 3750 3774.99						
50	QPSK	1	1	19.55	19.55	19.58	21.0	0.0		
Channel				648000 650000 652000						
Frequency (MHz)				3720 3750 3780						
40	QPSK	1	1	19.54	19.56	19.58	21.0	0.0		
Channel				647668 650000 652332						
Frequency (MHz)				3715.02 3750.00 3784.98						
30	QPSK	1	1	19.55	19.55	19.62	21.0	0.0		
Channel				647334 650000 652666						
Frequency (MHz)				3712.51 3750.00 3787.50						
25	QPSK	1	1	19.60	19.58	19.56	21.0	0.0		
Channel				647001 650000 653000						
Frequency (MHz)				3710.01 3750 3789.99						
20	QPSK	1	1	19.63	19.52	19.61	21.0	0.0		
Channel				646768 650000 653332						
Frequency (MHz)				3707.59 3750 3792.48						
15	QPSK	1	1	19.60	19.58	19.55	21.0	0.0		
Channel				646400 650000 653600						
Frequency (MHz)				3705 3750 3795						
10	QPSK	1	1	19.55	19.54	19.53	21.0	0.0		

PC3 FR1 n78 PartQ Ant5 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633332						
Frequency (MHz)				3499.98						
100	PI2 BPSK	1	1		16.71					
100	PI2 BPSK	1	137		16.64		17.5	0.0		
100	PI2 BPSK	1	271		16.69					
100	PI2 BPSK	135	0		16.63		17.5	0.0		
100	PI2 BPSK	135	69		16.69					
100	PI2 BPSK	135	138		16.71					
100	PI2 BPSK	270	0		16.68		17.5	0.0		
100	QPSK	1	1		16.73					
100	QPSK	1	137		16.69		17.5	0.0		
100	QPSK	1	271		16.60					
100	QPSK	135	0		16.64					
100	QPSK	135	69		16.66		17.5	0.0		
100	QPSK	135	138		16.66					
100	QPSK	270	0		16.66		17.5	0.0		
100	16QAM	1	1		16.61		17.5	0.0		
100	16QAM	1	1		16.60		17.5	0.0		
100	256QAM	1	1		16.65		17.5	0.0		
Channel				633000						
Frequency (MHz)				3495						
90	QPSK	1	1	6333.32	6333.32	6336.66	Tune-up limit (dB)	MPR		
Channel				632668						
Frequency (MHz)				3490.02						
80	QPSK	1	1	6333.32	6333.32	6340.00	Tune-up limit (dB)	MPR		
Channel				632000						
Frequency (MHz)				3485.01						
70	QPSK	1	1	6333.32	6333.32	6343.32	Tune-up limit (dB)	MPR		
Channel				631668						
Frequency (MHz)				3480.00						
60	QPSK	1	1	6333.32	6333.32	6350.00	Tune-up limit (dB)	MPR		
Channel				631000						
Frequency (MHz)				3475.01						
50	QPSK	1	1	6333.32	6333.32	6353.32	Tune-up limit (dB)	MPR		
Channel				630334						
Frequency (MHz)				3470.01						
40	QPSK	1	1	6333.32	6333.32	6356.66	Tune-up limit (dB)	MPR		
Channel				629668						
Frequency (MHz)				3465.02						
30	QPSK	1	1	6333.32	6333.32	6360.00	Tune-up limit (dB)	MPR		
Channel				629000						
Frequency (MHz)				3460.02						
20	QPSK	1	1	6333.32	6333.32	6363.32	Tune-up limit (dB)	MPR		
Channel				628334						
Frequency (MHz)				3455.01						
10	QPSK	1	1	6333.32	6333.32	6366.66	Tune-up limit (dB)	MPR		
Channel				627668						
Frequency (MHz)				3450.02						
0	QPSK	1	1	6333.32	6333.32	6370.00	Tune-up limit (dB)	MPR		
Channel				627000						
Frequency (MHz)				3445.01						

FR1 n7 Ant6 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	P12 BPSK	1	1	15.30	15.41	15.41			
50	P12 BPSK	1	135	15.29	15.40	15.45	16.1	0.0	
50	P12 BPSK	1	269	15.39	15.43	15.42			
50	P12 BPSK	135	0	15.36	15.47	15.44	16.1	0.0	
50	P12 BPSK	135	68	15.27	15.37	15.36	16.1	0.0	
50	P12 BPSK	135	135	15.31	15.42	15.37	16.1	0.0	
50	P12 BPSK	270	0	15.29	15.37	15.38	16.1	0.0	
50	QPSK	1	1	15.34	15.45	15.40			
50	QPSK	1	135	15.31	15.46	15.40	16.1	0.0	
50	QPSK	1	269	15.28	15.40	15.35			
50	QPSK	135	0	15.29	15.37	15.45	16.1	0.0	
50	QPSK	135	68	15.34	15.47	15.41	16.1	0.0	
50	QPSK	135	135	15.28	15.46	15.40	16.1	0.0	
50	QPSK	270	0	15.37	15.44	15.38	16.1	0.0	
50	16QAM	1	1	15.39	15.40	15.41	16.1	0.0	
50	8QAM	1	1	15.32	15.43	15.45	16.1	0.0	
50	256QAM	1	1	15.35	15.45	15.37	16.1	0.0	
Channel				504000	507000	510000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2520	2535	2550	up limit		
40	QPSK	1	1	15.20	15.29	15.34	15.1	0.0	
Channel				503000	507000	510000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	up limit		
35	QPSK	1	1	15.29	15.30	15.30	16.1	0.0	
Channel				503000	507000	510000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2515	2535	2555	up limit		
30	QPSK	1	1	15.18	15.31	15.31	16.1	0.0	
Channel				502000	507000	511500	Tune-up limit	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	up limit		
25	QPSK	1	1	15.27	15.34	15.32	16.1	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2510	2535	2560	up limit		
20	QPSK	1	1	15.21	15.29	15.29	16.1	0.0	
Channel				501000	507000	512500	Tune-up limit	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	up limit		
15	QPSK	1	1	15.23	15.30	15.33	16.1	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2505	2535	2565	up limit		
10	QPSK	1	1	15.23	15.39	15.34	16.1	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	up limit		
5	QPSK	1	1	15.27	15.29	15.32	16.1	0.0	

FR1 n66 Ant6 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346500	349000	351500			
Frequency (MHz)				1732.5	1745	1757.5			
45	P12 BPSK	1	1	17.03	17.12	16.96			
45	P12 BPSK	1	120	17.10	17.13	16.95	17.9	0.0	
45	P12 BPSK	1	240	17.01	17.05	17.05			
45	P12 BPSK	120	0	17.09	17.13	17.03	17.9	0.0	
45	P12 BPSK	120	60	17.07	17.03	16.96	17.9	0.0	
45	P12 BPSK	120	120	17.06	17.07	17.04	17.9	0.0	
45	P12 BPSK	240	0	17.10	17.06	17.04	17.9	0.0	
45	QPSK	1	1	17.06	17.15	17.00			
45	QPSK	1	120	17.06	17.05	17.04	17.9	0.0	
45	QPSK	1	240	17.06	17.08	17.02			
45	QPSK	120	0	16.99	17.07	17.00	17.9	0.0	
45	QPSK	120	60	17.01	17.12	16.96	17.9	0.0	
45	QPSK	120	120	17.09	17.03	16.97	17.9	0.0	
45	QPSK	240	0	17.10	17.11	16.95	17.9	0.0	
45	16QAM	1	1	17.00	17.13	17.01	17.9	0.0	
45	8QAM	1	1	17.11	17.04	17.00	17.9	0.0	
45	256QAM	1	1	17.05	17.07	16.99	17.9	0.0	
Channel				346000	349000	352000	Tune-up limit	MPR (dB)	
Frequency (MHz)				1730	1745	1760	up limit		
40	QPSK	1	1	16.93	16.38	16.96	17.9	0.0	
Channel				345500	349000	352500	Tune-up limit	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	up limit		
35	QPSK	1	1	16.98	17.02	16.88	17.9	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR (dB)	
Frequency (MHz)				1725	1745	1765	up limit		
30	QPSK	1	1	16.95	16.98	16.94	17.9	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	up limit		
25	QPSK	1	1	17.00	16.94	16.95	17.9	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR (dB)	
Frequency (MHz)				1720	1745	1770	up limit		
20	QPSK	1	1	17.02	16.99	16.91	17.9	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	up limit		
15	QPSK	1	1	16.92	16.94	16.94	17.9	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR (dB)	
Frequency (MHz)				1715	1745	1775	up limit		
10	QPSK	1	1	16.96	17.01	16.96	17.9	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	up limit		
5	QPSK	1	1	16.94	16.95	16.94	17.9	0.0	

FR1 n38 Ant6 DSI 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				2590	2595	2600	
Frequency (MHz)				14.41	14.49	14.54	
40	P12 BPSK	1	1	14.41	14.49	14.54	
40	P12 BPSK	1	33	14.39	14.51	14.44	15.8
40	P12 BPSK	1	104	14.39	14.57	14.54	
40	P12 BPSK	50	0	14.48	14.51	14.51	15.8
40	P12 BPSK	50	28	14.37	14.55	14.49	15.8
40	P12 BPSK	50	56	14.40	14.53	14.50	15.8
40	P12 BPSK	100	0	14.48	14.47	14.55	15.8
40	QPSK	1	1	14.44	14.58	14.43	
40	QPSK	1	53	14.46	14.54	14.44	15.8
40	QPSK	1	104	14.45	14.53	14.48	
40	QPSK	50	0	14.41	14.57	14.50	
40	QPSK	50	28	14.43	14.53	14.53	15.8
40	QPSK	50	56	14.39	14.49	14.44	
40	QPSK	100	0	14.44	14.52	14.51	15.8
40	16QAM	1	1	14.40	14.47	14.56	15.8
40	8QAM	1	1	14.41	14.57	14.48	15.8
40	256QAM	1	1	14.43	14.55	14.55	15.8
Channel				517000	519000	521000	Tune-up limit (dB)
Frequency (MHz)				2595	2595	2605	
30	QPSK	1	1	14.32	14.47	14.33	15.8
Channel				516000	519000	521000	Tune-up limit (dB)
Frequency (MHz)				2582.5	2595	2607.5	
25	QPSK	1	1	14.32	14.50	14.38	15.8
Channel				515000	519000	522000	Tune-up limit (dB)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	1	14.29	14.51	14.37	15.8
Channel				515000	519000	522000	Tune-up limit (dB)
Frequency (MHz)				2572.5	2595	2612.5	
15	QPSK	1	1	14.29	14.52	14.36	15.8
Channel				515000	519000	523000	Tune-up limit (dB)
Frequency (MHz)				2571	2595	2616	
10	QPSK	1	1	14.30	14.47	14.33	15.8

FR1 n41 Ant6 DSI 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				250202	518998	520000	
Frequency (MHz)				2546.01	2592.99	2640	
100	P12 BPSK	1	1	14.62	14.78	14.62	
100	P12 BPSK	1	137	14.59	14.81	14.66	15.7
100	P12 BPSK	1	271	14.62	14.75	14.71	
100	P12 BPSK	136	0	14.69	14.76	14.73	15.7
100	P12 BPSK	136	69	14.65	14.77	14.68	15.7
100	P12 BPSK	136	138	14.59	14.82	14.73	15.7
100	P12 BPSK	270	0	14.69	14.84	14.69	15.7
100	QPSK	1	1	14.58	14.86	14.67	
100	QPSK	1	137	14.59	14.75	14.73	15.7
100	QPSK	1	271	14.68	14.72	14.65	
100	QPSK	136	0	14.62	14.74	14.69	
100	QPSK	136	69	14.63	14.82	14.70	15.7
100	QPSK	136	138	14.63	14.81	14.64	
100	QPSK	270	0	14.62	14.81	14.65	15.7
100	16QAM	1	1	14.64	14.81	14.68	15.7
100	8QAM	1	1	14.57	14.81	14.73	15.7
100	256QAM	1	1	14.67	14.83	14.69	15.7
Channel				508200	518998	528998	Tune-up limit (dB)
Frequency (MHz)				2541	2592.99	2644.98	
80	QPSK	1	1	14.42	14.59	14.57	15.7
Channel				507204	518998	529998	Tune-up limit (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	QPSK	1	1	14.53	14.68	14.54	15.7
Channel				506202	518998	531000	Tune-up limit (dB)
Frequency (MHz)				2531.01	2592.99	2655	
70	QPSK	1	1	14.52	14.60	14.56	15.7
Channel				505200	518998	531996	Tune-up limit (dB)
Frequency (MHz)				2526	2592.99	2669.98	
60	QPSK	1	1	14.52	14.59	14.52	15.7
Channel				504204	518998	532998	Tune-up limit (dB)
Frequency (MHz)				2521.02	2592.99	2674.99	
50	QPSK	1	1	14.54	14.65	14.51	15.7
Channel				503700	518998	533496	Tune-up limit (dB)
Frequency (MHz)				2516.15	2592.99	2679.48	
45	QPSK	1	1	14.48	14.77	14.61	15.7
Channel				503202	518998	534000	Tune-up limit (dB)
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	14.40	14.63	14.55	15.7
Channel				502704	518998	534498	Tune-up limit (dB)
Frequency (MHz)				2513.52	2592.99	2672.49	
35	QPSK	1	1	14.50	14.79	14.62	15.7
Channel				502200	518998	535000	Tune-up limit (dB)
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	14.43	14.57	14.62	15.7
Channel				501702	518998	535500	Tune-up limit (dB)
Frequency (MHz)				2508.51	2592.99	2677.5	
25	QPSK	1	1	14.44	14.67	14.53	15.7
Channel				501204	518998	535998	Tune-up limit (dB)
Frequency (MHz)				2506.00	2592.99	2679.99	
20	QPSK	1	1	14.53	14.65	14.61	15.7
Channel				500700	518998	536496	Tune-up limit (dB)
Frequency (MHz)				2503.15	2592.99	2682.48	
15	QPSK	1	1	14.51	14.58	14.54	15.7
Channel				500202	518998	537000	Tune-up limit (dB)
Frequency (MHz)				2501.01	2592.99	2685	
10	QPSK	1	1	14.45	14.57	14.52	15.7

FR1 n48 Ant8 DSI 5									
FCC Part96									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	14.56	14.49	14.45			
40	PI2 BPSK	1	53	14.45	14.60	14.49	15.2	0.0	
40	PI2 BPSK	1	104	14.47	14.58	14.50			
40	PI2 BPSK	50	0	14.57	14.50	14.50	15.2	0.0	
40	PI2 BPSK	50	28	14.48	14.48	14.48	15.2	0.0	
40	PI2 BPSK	50	56	14.56	14.55	14.47			
40	PI2 BPSK	100	0	14.48	14.48	14.48	15.2	0.0	
40	QPSK	1	1	14.56	14.63	14.43			
40	QPSK	1	53	14.52	14.52	14.47	15.2	0.0	
40	QPSK	1	104	14.55	14.60	14.53			
40	QPSK	50	0	14.54	14.55	14.51			
40	QPSK	50	28	14.51	14.56	14.52	15.2	0.0	
40	QPSK	50	56	14.48	14.55	14.54			
40	QPSK	100	0	14.47	14.54	14.46	15.2	0.0	
40	16QAM	1	1	14.56	14.49	14.48	15.2	0.0	
40	64QAM	1	1	14.55	14.59	14.48	15.2	0.0	
40	256QAM	1	1	14.59	14.63	14.52	15.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3555.02	3624.99	3694.99	up limit	(dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3572.04	3631.66	3690.00	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	3557.82	3624.99	3692.49	up limit	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3570.00	3631.66	3693.32	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	3555	3624.99	3694.98	up limit	(dB)	

PC3 FR1 n77 PartO Ant8 DSI 5									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.06	16.12	16.00			
100	PI2 BPSK	1	137	16.05	16.09	16.03	16.8	0.0	
100	PI2 BPSK	1	271	16.02	16.12	16.07			
100	PI2 BPSK	135	0	15.98	16.13	16.00	16.8	0.0	
100	PI2 BPSK	135	69	16.08	16.07	16.03	16.8	0.0	
100	PI2 BPSK	135	138	15.98	16.10	15.99			
100	PI2 BPSK	270	0	16.03	16.09	16.11	16.8	0.0	
100	QPSK	1	1	16.06	16.15	16.05			
100	QPSK	1	137	15.97	16.06	16.05	16.8	0.0	
100	QPSK	1	271	16.08	16.05	15.99			
100	QPSK	135	0	15.97	16.12	16.09			
100	QPSK	135	69	16.04	16.13	16.03	16.8	0.0	
100	QPSK	135	138	16.08	16.04	16.07			
100	QPSK	270	0	16.07	16.14	16.07	16.8	0.0	
100	16QAM	1	1	16.06	16.14	16.06	16.8	0.0	
100	64QAM	1	1	16.02	16.08	16.05	16.8	0.0	
100	256QAM	1	1	16.02	16.08	16.05	16.8	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3840	3934.98	up limit		MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3939.99	up limit		MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3840	3945	up limit		MPR
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3840	3949.99	up limit		MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725.01	3840	3954.99	up limit		MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720.00	3840	3959.99	up limit		MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.02	3840	3964.98	up limit		MPR
Channel									
Frequency (MHz)									
25	QPSK	1	1	3710.01	3840	3969.99	up limit		MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	3705.00	3840	3974.98	up limit		MPR
Channel									
Frequency (MHz)									
15	QPSK	1	1	3700.00	3840	3979.99	up limit		MPR
Channel									
Frequency (MHz)									
10	QPSK	1	1	3695.00	3840	3984.98	up limit		MPR

PC2 FR1 n77 PartO Ant8 DSI 5									
FCC Part 270 (3700-3980MHz)									
BW (MHz)	Modulation n	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.05	19.13	19.00			
100	PI2 BPSK	1	137	19.04	19.14	19.07	20.3	0.0	
100	PI2 BPSK	1	271	19.00	19.17	19.04			
100	PI2 BPSK	135	0	18.96	19.11	18.97	20.3	0.0	
100	PI2 BPSK	135	69	19.13	19.08	19.03	20.3	0.0	
100	PI2 BPSK	135	138	18.97	19.06	19.01			
100	PI2 BPSK	270	0	19.04	19.14	19.14			
100	QPSK	1	1	19.10	19.18	18.99			
100	QPSK	1	137	18.95	19.09	19.09	20.3	0.0	
100	QPSK	1	271	19.01	19.09	19.05			
100	QPSK	135	0	19.02	19.13	19.04			
100	QPSK	135	69	19.04	19.14	19.02	20.3	0.0	
100	QPSK	135	138	19.10	19.10	19.13			
100	QPSK	270	0	19.02	19.09	19.04	20.3	0.0	
100	16QAM	1	1	19.02	19.08	19.04	20.3	0.0	
100	64QAM	1	1	19.07	19.02	19.05	20.3	0.0	
100	256QAM	1	1	19.08	19.10	19.02	20.3	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	3745.02	3840	3934.98	Tune-up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3939.99	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3840	3945	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	3730.02	3840	3949.99	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	3725	3840	3954.99	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	3720	3840	3959.99	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715	3840	3964.98	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	3712.5	3840	3967.50	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	3710.01	3840	3969.99	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	3707.52	3840	3972.48	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	3705.00	3840	3975.00	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
5	QPSK	1	1	3702.50	3840	3977.50	up limit (dB)		MPR (dB)
Channel									
Frequency (MHz)									
0	QPSK	1	1	3700.00	3840	3980.00	up limit (dB)		MPR (dB)

PC3 FR1 n77 PartQ Ant8 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	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)				633332 3499.98						
100	PI2 BPSK	1	1		15.53					
100	PI2 BPSK	1	137		15.45		16.8		0.0	
100	PI2 BPSK	1	271		15.52					
100	PI2 BPSK	135	0		15.50		16.8		0.0	
100	PI2 BPSK	135	69		15.51		16.8		0.0	
100	PI2 BPSK	135	138		15.45					
100	PI2 BPSK	270	0		15.51		16.8		0.0	
100	QPSK	1	1		15.55					
100	QPSK	1	137		15.42		16.8		0.0	
100	QPSK	1	271		15.52					
100	QPSK	135	0		15.47					
100	QPSK	135	69		15.53		16.8		0.0	
100	QPSK	135	138		15.52					
100	QPSK	270	0		15.50		16.8		0.0	
100	16QAM	1	1		15.41		16.8		0.0	
100	64QAM	1	1		15.41		16.8		0.0	
100	256QAM	1	1		15.40		16.8		0.0	
Channel										
Frequency (MHz)				633000 343332 343366						
90	QPSK	1	1	15.49	15.38	15.48	16.8			MPR
Channel										
Frequency (MHz)				3460.02 3499.98 3510						
80	QPSK	1	1	15.44	15.42	15.43	up limit (dB)			MPR
Channel										
Frequency (MHz)				632334 343332 343432						
70	QPSK	1	1	15.47	15.44	15.44	up limit (dB)			MPR
Channel										
Frequency (MHz)				3485.01 3499.98 3514.98						
60	QPSK	1	1	15.47	15.40	15.45	up limit (dB)			MPR
Channel										
Frequency (MHz)				3480.01 3499.98 3519.99						
50	QPSK	1	1	15.45	15.40	15.45	up limit (dB)			MPR
Channel										
Frequency (MHz)				631334 343332 343332						
40	QPSK	1	1	15.47	15.44	15.41	up limit (dB)			MPR
Channel										
Frequency (MHz)				3470.01 3499.98 3529.99						
30	QPSK	1	1	15.47	15.44	15.41	up limit (dB)			MPR
Channel										
Frequency (MHz)				631000 343332 343666						
25	QPSK	1	1	15.43	15.48	15.41	up limit (dB)			MPR
Channel										
Frequency (MHz)				630668 343332 343900						
20	QPSK	1	1	15.38	15.41	15.40	up limit (dB)			MPR
Channel										
Frequency (MHz)				34575 3499.98 3542.49						
15	QPSK	1	1	15.47	15.48	15.49	up limit (dB)			MPR
Channel										
Frequency (MHz)				630334 343332 343332						
10	QPSK	1	1	15.39	15.39	15.42	up limit (dB)			MPR

PC2 FR1 n77 PartQ Ant8 DSI 5										
FCC Part 27Q (3450-3550MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR		
Channel										
Frequency (MHz)				3453.52		3469.98				
100	PI2 BPSK	1	1	18.54						
100	PI2 BPSK	1	137		18.44		20.3	0.0		
100	PI2 BPSK	1	271		18.56					
100	PI2 BPSK	135	0		18.47		20.3	0.0		
100	PI2 BPSK	135	69		18.56		20.3	0.0		
100	PI2 BPSK	135	138		18.39					
100	PI2 BPSK	270	0		18.57		20.3	0.0		
100	QPSK	1	1		18.59					
100	QPSK	1	137		18.40		20.3	0.0		
100	QPSK	1	271		18.54					
100	QPSK	135	0		18.43					
100	QPSK	135	69		18.56		20.3	0.0		
100	QPSK	135	138		18.49					
100	QPSK	270	0		18.52		20.3	0.0		
100	16QAM	1	1		18.36		20.3	0.0		
100	64QAM	1	1		18.47		20.3	0.0		
100	256QAM	1	1		18.53		20.3	0.0		
Channel										
Frequency (MHz)				633000	633332	633666	Tune-up limit (dB)	MPR		
90	QPSK	1	1	18.40	18.49	18.50	20.3	0.0		
Channel										
Frequency (MHz)				632668	633332	634000	Tune-up limit (dB)	MPR		
80	QPSK	1	1	3490.02	3499.98	3510	up limit (dB)	0.0		
Channel										
Frequency (MHz)				632334	633332	634332	Tune-up limit (dB)	MPR		
70	QPSK	1	1	3485.01	3499.98	3514.98	up limit (dB)	0.0		
Channel										
Frequency (MHz)				632000	633332	635000	Tune-up limit (dB)	MPR		
60	QPSK	1	1	18.43	18.49	18.49	20.3	0.0		
Channel										
Frequency (MHz)				631668	633332	635000	Tune-up limit (dB)	MPR		
50	QPSK	1	1	3475.02	3499.98	3505	up limit (dB)	0.0		
Channel										
Frequency (MHz)				631334	633332	635332	Tune-up limit (dB)	MPR		
40	QPSK	1	1	3470.01	3499.98	3509.99	up limit (dB)	0.0		
Channel										
Frequency (MHz)				631000	633332	635666	Tune-up limit (dB)	MPR		
30	QPSK	1	1	3465.02	3499.98	3514.99	up limit (dB)	0.0		
Channel										
Frequency (MHz)				630668	633332	635999	Tune-up limit (dB)	MPR		
25	QPSK	1	1	3460.02	3499.98	3519.99	up limit (dB)	0.0		
Channel										
Frequency (MHz)				630334	633332	636332	Tune-up limit (dB)	MPR		
20	QPSK	1	1	18.44	18.43	18.48	20.3	0.0		
Channel										
Frequency (MHz)				630000	633332	636666	Tune-up limit (dB)	MPR		
15	QPSK	1	1	3455.01	3499.98	3524.99	up limit (dB)	0.0		
Channel										
Frequency (MHz)				629668	633332	636999	Tune-up limit (dB)	MPR		
10	QPSK	1	1	18.49	18.39	18.50	20.3	0.0		

PC3 FR1 n78 PartO Ant8 DSI 5										
FCC Part 27O (3700-3800MHz)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1		16.10					
100	PI2 BPSK	1	137		16.16			16.7	0.0	
100	PI2 BPSK	1	271		16.08					
100	PI2 BPSK	135	0		16.16			16.7	0.0	
100	PI2 BPSK	135	69		16.07			16.7	0.0	
100	PI2 BPSK	135	138		16.17					
100	PI2 BPSK	270	0		16.12			16.7	0.0	
100	QPSK	1	1		16.21					
100	QPSK	1	137		16.15			16.7	0.0	
100	QPSK	1	271		16.09					
100	QPSK	135	0		16.16					
100	QPSK	135	69		16.18			16.7	0.0	
100	QPSK	135	138		16.17					
100	QPSK	270	0		16.12			16.7	0.0	
100	16QAM	1	1		16.12			16.7	0.0	
100	64QAM	1	1		16.08			16.7	0.0	
100	256QAM	1	1		16.06			16.7	0.0	
Channel										
Frequency (MHz)										
90	QPSK	1	1	3745.02	3750	3754.98	up limit (dB)			
Channel					16.08	16.07	16.04	16.7	0.0	
Channel										
Frequency (MHz)										
80	QPSK	1	1	3740.01	3750	3759.99	up limit (dB)			
Channel					16.07	16.07	16.07	16.7	0.0	
Channel										
Frequency (MHz)										
70	QPSK	1	1	3735	3750	3765	up limit (dB)			
Channel					16.04	16.10	15.99	16.7	0.0	
Channel										
Frequency (MHz)										
60	QPSK	1	1	3730	3750	3770	up limit (dB)			
Channel					3730.02	3750	3769.98	16.7	0.0	
Channel										
Frequency (MHz)										
50	QPSK	1	1	16.05	16.01	15.98	16.7	0.0		
Channel					64869	65000	65166	16.7	0.0	
Channel										
Frequency (MHz)										
40	QPSK	1	1	3725.01	3750	3774.99	up limit (dB)			
Channel					16.01	16.10	16.03	16.7	0.0	
Channel										
Frequency (MHz)										
30	QPSK	1	1	3720	3750	3780	up limit (dB)			
Channel					16.01	16.04	16.08	16.7	0.0	
Channel										
Frequency (MHz)										
20	QPSK	1	1	3715.02	3750.04	3784.98	up limit (dB)			
Channel					16.07	15.99	16.05	16.7	0.0	
Channel										
Frequency (MHz)										
15	QPSK	1	1	3710.01	3750	3789.99	up limit (dB)			
Channel					16.09	16.02	16.07	16.7	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1	3705	3750	3795	up limit (dB)			
Channel					3707.52	3750	3792.48	16.7	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.01	16.08	16.06	16.7	0.0		
Channel					647000	650000	653000	16.7	0.0	
Channel										
Frequency (MHz)										
10	QPSK	1	1	16.01	16.03	16.09	16.7	0.0		

PC3 FR1 n77 PartQ Ant9 DSI 5
FCC Part 27Q (3450-3550MHz)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	16.53	3499.98			
100	P12 BPSK	1	137	16.53			17.4	0.0
100	P12 BPSK	1	271	16.52				
100	P12 BPSK	135	0	16.50			17.4	0.0
100	P12 BPSK	135	69	16.50			17.4	0.0
100	P12 BPSK	135	135	16.50			17.4	0.0
100	P12 BPSK	270	0	16.47			17.4	0.0
100	QPSK	1	1	16.55				
100	QPSK	1	137	16.50			17.4	0.0
100	QPSK	1	271	16.47				
100	QPSK	135	0	16.51				
100	QPSK	135	69	16.52			17.4	0.0
100	QPSK	135	135	16.48				
100	QPSK	270	0	16.46			17.4	0.0
100	16QAM	1	1	16.49			17.4	0.0
100	64QAM	1	1	16.50			17.4	0.0
100	256QAM	1	1	16.51			17.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.43	3499.98	3504.99	up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.43	3499.98	3510	up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.38	3499.98	3514.98	up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.42	3499.98	3519.98	up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.38	3499.98	3524.98	up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.43	3499.98	3534.99	up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.43	3499.98	3539.99	up limit	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.38	3499.98	3544.98	up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.44	3499.98	3549.99	up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.36	3499.98	3554.99	up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.45	3499.98	3559.99	up limit	MPR

PC2 FR1 n77 PartQ Ant9 DSI 5
FCC Part 27Q (3450-3550MHz)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	19.50	3499.98			
100	P12 BPSK	1	137	19.47			20.9	0.0
100	P12 BPSK	1	271	19.48				
100	P12 BPSK	135	0	19.44			20.9	0.0
100	P12 BPSK	135	69	19.46			20.9	0.0
100	P12 BPSK	135	135	19.54			20.9	0.0
100	P12 BPSK	270	0	19.47			20.9	0.0
100	QPSK	1	1	19.59				
100	QPSK	1	137	19.49			20.9	0.0
100	QPSK	1	271	19.44				
100	QPSK	135	0	19.52				
100	QPSK	135	69	19.54			20.9	0.0
100	QPSK	135	135	19.43				
100	QPSK	270	0	19.42			20.9	0.0
100	16QAM	1	1	19.49			20.9	0.0
100	64QAM	1	1	19.53			20.9	0.0
100	256QAM	1	1	19.56			20.9	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.45	3499.98	3504.99	up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.44	3499.98	3510	up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.47	3499.98	3514.98	up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.44	3499.98	3519.98	up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.40	3499.98	3524.98	up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.44	3499.98	3534.99	up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.41	3499.98	3539.99	up limit	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.44	3499.98	3544.98	up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.43	3499.98	3549.99	up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.41	3499.98	3554.99	up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.42	3499.98	3559.99	up limit	MPR

PC3 FR1 n78 PartO Ant9 DSI 5
FCC Part 27O (3700-3800MHz)

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	16.52	3750			
100	P12 BPSK	1	137	16.56			17.4	0.0
100	P12 BPSK	1	271	16.43				
100	P12 BPSK	135	0	16.45			17.4	0.0
100	P12 BPSK	135	69	16.49			17.4	0.0
100	P12 BPSK	135	135	16.47			17.4	0.0
100	P12 BPSK	270	0	16.50			17.4	0.0
100	QPSK	1	1	16.59				
100	QPSK	1	137	16.46			17.4	0.0
100	QPSK	1	271	16.50				
100	QPSK	135	0	16.47				
100	QPSK	135	69	16.55			17.4	0.0
100	QPSK	135	135	16.50				
100	QPSK	270	0	16.55			17.4	0.0
100	16QAM	1	1	16.48			17.4	0.0
100	64QAM	1	1	16.49			17.4	0.0
100	256QAM	1	1	16.50			17.4	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.33	3745.02	3754.98	up limit	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.37	3740.01	3750	up limit	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.38	3735	3750	up limit	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.31	3730	3750	up limit	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.36	3725.01	3750	up limit	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.40	3720	3750	up limit	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.32	3715.02	3754.98	up limit	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.39	3710.01	3750	up limit	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.32	3705.02	3759.99	up limit	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.31	3700	3762.48	up limit	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.39	3695	3765	up limit	MPR

PC2 FR1 n78 PartO Ant9 DSI 5									
FCC Part 27O (3700-3800MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3750					
100	P1/2 BPSK	1	1	19.56					
100	P1/2 BPSK	1	137	19.58			20.9	0.0	
100	P1/2 BPSK	1	271	19.55					
100	P1/2 BPSK	135	0	19.42			20.9	0.0	
100	P1/2 BPSK	135	69	19.47			20.9	0.0	
100	P1/2 BPSK	135	135	19.48			20.9	0.0	
100	P1/2 BPSK	270	0	19.48			20.9	0.0	
100	QPSK	1	1	19.65					
100	QPSK	1	137	19.47			20.9	0.0	
100	QPSK	1	271	19.44					
100	QPSK	135	0	19.47					
100	QPSK	135	69	19.58			20.9	0.0	
100	QPSK	135	135	19.48					
100	QPSK	270	0	19.50			20.9	0.0	
100	16QAM	1	1	19.53			20.9	0.0	
100	64QAM	1	1	19.49			20.9	0.0	
100	256QAM	1	1	19.50			20.9	0.0	
Channel				649668	650000	650332	Tune- up limit	MPR	
Frequency (MHz)				3745.02	3750	3754.98	(dB)		
90	QPSK	1	1	19.61	19.52	19.52	20.9	0.0	
Channel				649334	650000	650666	Tune- up limit	MPR	
Frequency (MHz)				3740.01	3750	3759.99	(dB)		
80	QPSK	1	1	19.57	19.57	19.50	20.9	0.0	
Channel				649000	650000	651000	Tune- up limit	MPR	
Frequency (MHz)				3735	3750	3765	up limit		
70	QPSK	1	1	19.52	19.60	19.59	20.9	0.0	
Channel				648668	650000	651332	Tune- up limit	MPR	
Frequency (MHz)				3730.02	3750	3769.98	(dB)		
60	QPSK	1	1	19.52	19.57	19.51	20.9	0.0	
Channel				648334	650000	651666	Tune- up limit	MPR	
Frequency (MHz)				3725.01	3750	3774.99	(dB)		
50	QPSK	1	1	19.58	19.52	19.57	20.9	0.0	
Channel				648000	650000	652000	Tune- up limit	MPR	
Frequency (MHz)				3720	3750	3780	up limit		
40	QPSK	1	1	19.60	19.50	19.54	20.9	0.0	
Channel				647668	650000	652332	Tune- up limit	MPR	
Frequency (MHz)				3715.02	3750.00	3784.98	(dB)		
30	QPSK	1	1	19.51	19.58	19.58	20.9	0.0	
Channel				647334	650000	652666	Tune- up limit	MPR	
Frequency (MHz)				3712.5	3750.00	3787.50	up limit		
25	QPSK	1	1	19.51	19.57	19.60	20.9	0.0	
Channel				647000	650000	653000	Tune- up limit	MPR	
Frequency (MHz)				3710.01	3750	3789.99	(dB)		
20	QPSK	1	1	19.57	19.59	19.61	20.9	0.0	
Channel				646768	650000	653332	Tune- up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.48	(dB)		
15	QPSK	1	1	19.60	19.53	19.60	20.9	0.0	
Channel				647000	650000	653000	Tune- up limit	MPR	
Frequency (MHz)				3705	3750	3795	up limit		
10	QPSK	1	1	19.58	19.57	19.51	20.9	0.0	

PC3 FR1 n78 PartQ Ant9 DSI 5									
FCC Part 27Q (3450-3550MHz)									
BW (MHz)	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)				3493.98					
100	P1/2 BPSK	1	1	16.29					
100	P1/2 BPSK	1	137	16.31			17.4	0.0	
100	P1/2 BPSK	1	271	16.37					
100	P1/2 BPSK	135	0	16.33			17.4	0.0	
100	P1/2 BPSK	135	69	16.25			17.4	0.0	
100	P1/2 BPSK	135	135	16.34			17.4	0.0	
100	P1/2 BPSK	270	0	16.34			17.4	0.0	
100	QPSK	1	1	16.44					
100	QPSK	1	137	16.30			17.4	0.0	
100	QPSK	1	271	16.30					
100	QPSK	135	0	16.33					
100	QPSK	135	69	16.35			17.4	0.0	
100	QPSK	135	135	16.29			17.4	0.0	
100	QPSK	270	0	16.26			17.4	0.0	
100	16QAM	1	1	16.34			17.4	0.0	
100	64QAM	1	1	16.32			17.4	0.0	
100	256QAM	1	1	16.28			17.4	0.0	
Channel				633000	633332	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3499.98	3504.98	(dB)		
90	QPSK	1	1	16.28	16.28	16.27	17.4	0.0	
Channel				632668	633332	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit		
80	QPSK	1	1	16.22	16.22	16.21	17.4	0.0	
Channel				632334	633332	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit		
70	QPSK	1	1	16.21	16.29	16.20	17.4	0.0	
Channel				632000	633332	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3499.98	3519.98	up limit		
60	QPSK	1	1	16.22	16.21	16.24	17.4	0.0	
Channel				631668	633332	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3499.98	3524.98	up limit		
50	QPSK	1	1	16.20	16.24	16.19	17.4	0.0	
Channel				631334	633332	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3499.98	3529.98	up limit		
40	QPSK	1	1	16.27	16.20	16.27	17.4	0.0	
Channel				631000	633332	635666	Tune-up limit	MPR	
Frequency (MHz)				3465	3499.98	3534.98	up limit		
30	QPSK	1	1	16.23	16.21	16.20	17.4	0.0	
Channel				630634	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3499.98	3537.48	up limit		
25	QPSK	1	1	16.25	16.20	16.27	17.4	0.0	
Channel				630366	633332	636500	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit		
20	QPSK	1	1	16.26	16.26	16.25	17.4	0.0	
Channel				630000	633332	636766	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3499.98	3542.48	up limit		
15	QPSK	1	1	16.29	16.28	16.20	17.4	0.0	
Channel				630334	633332	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit		
10	QPSK	1	1	16.27	16.22	16.22	17.4	0.0	

PC2 FR1 n78 PartQ Ant9 DSI 5									
FCC Part 27Q (3450-3550MHz)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel				633532					
Frequency (MHz)				3499.98					
100	P1/2 BPSK	1	1	16.27					
100	P1/2 BPSK	1	137	16.34			20.9	0.0	
100	P1/2 BPSK	1	271	16.33					
100	P1/2 BPSK	135	0	16.34			20.9	0.0	
100	P1/2 BPSK	135	69	16.20			20.9	0.0	
100	P1/2 BPSK	135	135	16.28			20.9	0.0	
100	P1/2 BPSK	270	0	16.28			20.9	0.0	
100	QPSK	1	1	16.48					
100	QPSK	1	137	16.28			20.9	0.0	
100	QPSK	1	271	16.28					
100	QPSK	135	0	16.33					
100	QPSK	135	69	16.39			20.9	0.0	
100	QPSK	135	135	16.31					
100	QPSK	270	0	16.28			20.9	0.0	
100	16QAM	1	1	16.33			20.9	0.0	
100	64QAM	1	1	16.31			20.9	0.0	
100	256QAM	1	1	16.33			20.9	0.0	
Channel				633000	633332	633666	Tune-	MPR	
Frequency (MHz)				3495	3499.98	3504.98	up limit	(dB)	
90	QPSK	1	1	16.39	16.44	16.39	20.9	0.0	
Channel				632668	633332	634000	Tune-	MPR	
Frequency (MHz)				3490.02	3499.98	3510	up limit	(dB)	
80	QPSK	1	1	16.40	16.40	16.40	20.9	0.0	
Channel				632436	633332	634332	Tune-	MPR	
Frequency (MHz)				3485.01	3499.98	3514.98	up limit	(dB)	
70	QPSK	1	1	16.34	16.33	16.36	20.9	0.0	
Channel				632000	633332	634666	Tune-	MPR	
Frequency (MHz)				3480.00	3499.98	3516.98	up limit	(dB)	
60	QPSK	1	1	16.34	16.39	16.38	20.9	0.0	
Channel				631666	633332	635000	Tune-	MPR	
Frequency (MHz)				3475.02	3499.98	3505	up limit	(dB)	
50	QPSK	1	1	16.40	16.34	16.36	20.9	0.0	
Channel				631334	633332	635332	Tune-	MPR	
Frequency (MHz)				3470.01	3499.98	3509.98	up limit	(dB)	
40	QPSK	1	1	16.35	16.34	16.40	20.9	0.0	
Channel				631000	633332	635666	Tune-	MPR	
Frequency (MHz)				3465.00	3499.98	3504.98	up limit	(dB)	
30	QPSK	1	1	16.35	16.42	16.35	20.9	0.0	
Channel				630668	633332	635832	Tune-	MPR	
Frequency (MHz)				3462.51	3499.98	3507.48	up limit	(dB)	
25	QPSK	1	1	16.39	16.37	16.35	20.9	0.0	
Channel				630336	633332	636000	Tune-	MPR	
Frequency (MHz)				3460.02	3499.98	3540	up limit	(dB)	
20	QPSK	1	1	16.32	16.33	16.43	20.9	0.0	
Channel				630000	633332	636332	Tune-	MPR	
Frequency (MHz)				3457.5	3499.98	3542.49	up limit	(dB)	
15	QPSK	1	1	16.34	16.40	16.33	20.9	0.0	
Channel				630334	633332	636332	Tune-	MPR	
Frequency (MHz)				3455.01	3499.98	3544.98	up limit	(dB)	
10	QPSK	1	1	16.36	16.38	16.41	20.9	0.0	

[illegible]

BT BR/EDR		ANT8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.89	12.67	12.61
	CH 39	2441	15.92	12.71	12.74
	CH 78	2480	16.03	12.90	12.93
Tune-up Limit			17.50	14.00	14.00

BLE 1M		ANT8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	
LE	CH 00	2402	6.73	
	CH 19	2440	7.18	
	CH 39	2480	7.33	
Tune-up Limit			8.50	

BLE 2M		ANT8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	
LE	CH 00	2402	6.92	
	CH 19	2440	7.32	
	CH 39	2480	7.84	
Tune-up Limit			8.50	

BT 2.0		ANT8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.03	6.91	6.68
	CH 39	2441	10.62	7.34	7.23
	CH 78	2480	11.80	7.25	7.05
Tune-up Limit			12.50	8.50	8.50

BT BR/EDR		ANT8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.81		
	CH 39	2441	11.88		
	CH 78	2480	11.95		
Tune-up Limit			13.50		

BT 2.0		ANT15			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.52	6.97	6.87
	CH 39	2441	11.92	7.26	7.31
	CH 78	2480	11.29	6.87	6.96
Tune-up Limit			13.00	8.50	8.50

BT BR/EDR		ANT15			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.29	12.50	12.64
	CH 39	2441	15.28	12.54	12.56
	CH 78	2480	15.25	12.38	12.41
Tune-up Limit			17.00	14.00	14.00

BLE 1M		ANT15		
Mode	Channel	Frequency (MHz)	Average power (dBm)	
LE	CH 00	2402	7.05	
	CH 19	2440	7.53	
	CH 39	2480	7.47	
Tune-up Limit			8.50	

BLE 2M		ANT15		
Mode	Channel	Frequency (MHz)	Average power (dBm)	
LE	CH 00	2402	7.16	
	CH 19	2440	7.52	
	CH 39	2480	7.48	
Tune-up Limit			8.50	

BT 2.0		ANT15+8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.29	9.95	9.78
	CH 39	2441	14.41	10.31	10.28
	CH 78	2480	14.56	10.07	10.02
Tune-up Limit			16.00	11.50	11.50