

Full & Default Power Mode_Main PA

GSM850 Ant0 Default									
GSM850 Ant0	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame-Average Power (dBm)			Time-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	121.2	137.4	143.8		121.2	137.4	143.8		
Frequency (MHz)	33.51	33.25	33.61	34.00	24.51	24.25	24.61	25.00	
GSM 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00	
GPRS 1 Tx slot	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00	
GPRS 2 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94	
GPRS 3 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00	
GPRS 4 Tx slots	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00	
EDGE 1 Tx slot	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00	
EDGE 2 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94	
EDGE 3 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	18.00	
EDGE 4 Tx slots									
WCDMA V Ant0 Default									
WCDMA V									
Band	4132	4162	4233	Time-up Limit (dBm)					
TX Channel	4357	4407	4458						
Rx Channel	4357	4407	4458						
Frequency (MHz)	898.4	898.4	868.6						
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00				
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00				
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00				
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00				
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50				
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50				
3GPP Rel 8	DC-HSDPA Subtest-1	23.45	23.40	23.37	24.00				
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00				
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50				
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50				
3GPP Rel 6	HSPA Subtest-1	23.39	23.43	23.36	24.00				
3GPP Rel 6	HSPA Subtest-2	21.46	21.45	21.33	22.00				
3GPP Rel 6	HSPA Subtest-3	22.38	22.39	22.38	23.00				
3GPP Rel 6	HSPA Subtest-4	21.44	21.47	21.39	22.00				
3GPP Rel 6	HSPA Subtest-5	23.42	23.41	23.30	24.00				
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.96	20.91	21.50				

Band 5 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel 20455											
Frequency (MHz)											
10	QPSK	1	0	25.17	25.25	25.18					
10	QPSK	1	25	25.04	25.20	25.08	25.7	0			
10	QPSK	1	49	25.04	25.17	25.14					
10	QPSK	25	0	24.13	24.28	24.12					
10	QPSK	25	12	24.06	24.24	24.13	24.7	1			
10	QPSK	25	25	24.03	24.14	24.10					
10	QPSK	50	0	24.22	24.27	24.21					
10	16QAM	1	0	24.12	24.26	24.23	24.7	1			
10	16QAM	1	25	24.05	24.14	24.09					
10	16QAM	1	49	24.00	24.18	24.18					
10	16QAM	25	0	23.18	23.27	23.18					
10	16QAM	25	12	23.06	23.30	23.12	23.7	2			
10	16QAM	25	25	22.99	23.10	23.14					
10	16QAM	50	0	23.28	23.21	23.24					
10	64QAM	1	0	23.08	23.27	23.27					
10	64QAM	1	25	22.99	23.09	23.06	23.7	2			
10	64QAM	1	49	23.01	23.22	23.21					
10	64QAM	25	0	22.13	22.22	22.08					
10	64QAM	25	12	22.00	22.25	22.11	22.7	3			
10	64QAM	25	25	22.05	22.31	22.14					
10	64QAM	50	0	22.16	22.23	22.18					
10	256QAM	1	0	20.16	20.33	20.15					
10	256QAM	1	25	20.05	20.20	20.08	20.7	5			
10	256QAM	1	49	20.07	20.10	20.05					
10	256QAM	25	0	20.26	20.32	20.21					
10	256QAM	25	12	20.09	20.24	20.18	20.7	5			
10	256QAM	25	25	20.01	20.13	20.05					
10	256QAM	50	0	20.03	20.17	20.18					
Channel 20425											
Frequency (MHz)											
5	QPSK	1	0	25.08	25.14	25.10					
5	QPSK	1	12	24.95	25.05	24.95	25.7	0			
5	QPSK	1	24	24.95	25.04	25.06					
5	QPSK	12	0	24.10	24.23	24.05					
5	QPSK	12	7	23.95	24.17	24.09	24.7	1			
5	QPSK	12	13	23.98	24.00	24.00					
5	QPSK	25	0	24.18	24.17	24.09					
5	16QAM	1	0	24.01	24.14	24.15	24.7	1			
5	16QAM	1	12	24.01	24.10	24.04					
5	16QAM	1	24	23.91	24.07	24.14					
5	16QAM	12	0	23.10	23.20	23.05					
5	16QAM	12	7	23.05	23.17	23.02	23.7	2			
5	16QAM	12	13	22.95	23.04	23.03					
5	16QAM	25	0	23.21	23.09	23.22					
5	64QAM	1	0	23.02	23.23	23.16					
5	64QAM	1	12	22.96	22.96	22.93	23.7	2			
5	64QAM	1	24	22.91	23.12	23.13					
5	64QAM	12	0	22.10	22.17	22.05					
5	64QAM	12	7	22.15	22.13	22.04	22.7	3			
5	64QAM	12	13	22.00	22.06	22.11					
5	64QAM	25	0	22.03	22.10	22.13					
5	256QAM	1	0	20.06	20.25	20.04					
5	256QAM	1	12	19.94	20.15	20.05	20.7	5			
5	256QAM	1	24	19.96	20.01	20.00					
5	256QAM	12	0	20.14	20.19	20.19					
5	256QAM	12	7	20.05	20.13	20.14	20.7	5			
5	256QAM	12	13	19.98	20.03	19.95					
5	256QAM	25	0	19.99	20.08	20.14					
Channel 20415											
Frequency (MHz)											
3	QPSK	1	0	25.08	25.20	25.15					
3	QPSK	1	8	24.93	25.14	25.01	25.7	0			
3	QPSK	1	14	24.95	25.08	25.01					
3	QPSK	8	0	24.09	24.19	24.05					
3	QPSK	8	4	24.04	24.14	24.02	24.7	1			
3	QPSK	8	7	24.00	24.01	24.07					
3	QPSK	15	0	24.18	24.14	24.15					
3	16QAM	1	0	24.02	24.20	24.14					
3	16QAM	1	8	23.94	24.05	24.00	24.7	1			
3	16QAM	1	14	23.86	24.10	24.12					
3	16QAM	8	0	23.09	23.21	23.11					
3	16QAM	8	4	22.95	23.19	23.03	23.7	2			
3	16QAM	8	7	22.89	23.04	23.08					
3	16QAM	15	0	23.14	23.16	23.12					
3	64QAM	1	0	22.96	23.13	23.22					
3	64QAM	1	8	22.87	23.01	23.00	23.7	2			
3	64QAM	1	14	22.82	23.17	23.11					
3	64QAM	8	0	22.01	22.11	21.96					
3	64QAM	8	4	21.88	22.19	22.02	22.7	3			
3	64QAM	8	7	22.00	22.05	22.12					
3	64QAM	15	0	22.07	22.20	22.13					
3	256QAM	1	0	20.08	20.29	20.08	20.7	5			
3	256QAM	1	8	20.02	20.16	20.02					
3	256QAM	1	14	20.05	19.98	19.92					
3	256QAM	8	0	20.24	20.26	20.16					
3	256QAM	8	4	20.06	20.18	20.14	20.7	5			
3	256QAM	8	7	19.95	20.06	19.96					
3	256QAM	15	0	19.98	20.12	20.04					
Channel 20407											
Frequency (MHz)											
1.4	QPSK	1	0	25.05	25.12	25.04					
1.4	QPSK	1	3	24.98	25.09	24.99	25.7	0			
1.4	QPSK	1	5	24.95	25.07	25.03					
1.4	QPSK	3	0	24.98	25.00	24.94					
1.4	QPSK	3	1	24.94	25.05	24.94					
1.4	QPSK	3	3	24.89	24.94	24.94					
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1			
1.4	16QAM	1	0	24.01	24.22	24.12					
1.4	16QAM	1	3	23.92	24.10	24.05					
1.4	16QAM	1	5	23.94	24.16	24.15	24.7	1			
1.4	16QAM	3	0	24.00	24.03	24.14					
1.4	16QAM	3	1	23.89	24.10	24.04					
1.4	16QAM	3	3	23.86	24.07	23.92					
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2			
1.4	64QAM	1	0	22.97	23.18	23.15					
1.4	64QAM	1	3	22.96	22.95	23.04					
1.4	64QAM	1	5	22.97	23.18	23.17	23.7	2			
1.4	64QAM	3	0	23.16	23.09	23.07					
1.4	64QAM	3	1	22.93	23.09	23.01					
1.4	64QAM	3	3	22.91	22.88	22.99					
1.4	256QAM	1	0	20.08	20.29	20.07	22.7	3			
1.4	256QAM	1	3	20.00	20.15	19.99					
1.4	256QAM	1	5	19.99	20.05	19.99					
1.4	256QAM	3	0	20.14	20.20	20.19	20.7	5			
1.4	256QAM	3	1	19.99	20.19	20.18					
1.4	256QAM	3	3	19.97	20.05	19.98					
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	3			

Band 26 Ant0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.95	25.04	25.01			
15	QPSK	1	37	24.82	24.94	24.97	25.7	0	
15	QPSK	1	74	24.69	24.90	24.89			
15	QPSK	36	0	24.07	24.12	23.96			
15	QPSK	36	20	23.84	24.04	23.99	24.7	1	
15	QPSK	36	39	23.84	23.95	23.99			
15	QPSK	75	0	23.98	24.05	23.94			
15	16QAM	1	0	24.08	24.00	24.11	24.7	1	
15	16QAM	1	37	23.74	24.03	23.95			
15	16QAM	1	74	23.87	23.85	23.91			
15	16QAM	36	0	22.93	23.10	23.12			
15	16QAM	36	20	22.87	22.98	22.99	23.7	2	
15	16QAM	36	39	22.86	22.92	22.98			
15	16QAM	75	0	23.04	23.04	22.93			
15	64QAM	1	0	23.02	23.00	23.00	23.7	2	
15	64QAM	1	37	22.87	23.00	22.91			
15	64QAM	1	74	22.92	22.96	22.91			
15	64QAM	36	0	22.05	21.99	22.03			
15	64QAM	36	20	21.78	22.04	22.14	22.7	3	
15	64QAM	36	39	21.85	21.87	21.92			
15	64QAM	75	0	22.13	22.12	21.84			
15	256QAM	1	0	20.05	19.97	20.05	20.7	5	
15	256QAM	1	37	19.91	19.97	20.05			
15	256QAM	1	74	19.92	19.96	19.89			
15	256QAM	36	0	19.92	20.12	20.00			
15	256QAM	36	20	19.97	20.08	20.01	20.7	5	
15	256QAM	36	39	19.66	20.00	19.92			
15	256QAM	75	0	19.94	19.88	19.94			
Channel				26715	26865	26995	Tune-up limit	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.83	24.92	24.97	25.7	0	
10	QPSK	1	25	24.72	24.90	24.86			
10	QPSK	1	49	24.80	24.85	24.82			
10	QPSK	25	0	24.05	24.10	23.87			
10	QPSK	25	12	23.81	23.96	23.95	24.7	1	
10	QPSK	25	25	23.76	23.89	23.96			
10	QPSK	50	0	23.93	24.00	23.94			
10	16QAM	1	0	24.01	23.92	24.10	24.7	1	
10	16QAM	1	25	23.64	23.94	23.87			
10	16QAM	1	49	23.84	23.83	23.91			
10	16QAM	25	0	22.89	22.99	23.09			
10	16QAM	25	12	22.81	22.87	22.87	23.7	2	
10	16QAM	25	25	22.77	22.89	22.86			
10	16QAM	50	0	22.98	23.01	22.88			
10	64QAM	1	0	22.96	22.89	23.00	23.7	2	
10	64QAM	1	25	22.76	22.93	22.80			
10	64QAM	1	49	22.86	22.87	22.90			
10	64QAM	25	0	21.84	21.88	21.95			
10	64QAM	25	12	21.70	21.99	22.04	22.7	3	
10	64QAM	25	25	21.76	21.96	21.81			
10	64QAM	50	0	22.12	22.11	21.73			
10	256QAM	1	0	19.95	19.90	20.00	20.7	5	
10	256QAM	1	25	19.89	19.97	20.02			
10	256QAM	1	49	19.85	19.88	19.79			
10	256QAM	25	0	19.80	20.00	19.97			
10	256QAM	25	12	19.92	20.04	19.98	20.7	5	
10	256QAM	25	25	19.60	19.92	19.85			
10	256QAM	50	0	19.83	19.85	19.82			
Channel				26715	26865	27015	Tune-up limit	MPR (dB)	
Frequency (MHz)				816.5 <th>831.5</th> <th>846.5</th> <th></th> <th></th> <th></th>	831.5	846.5			
5	QPSK	1	0	24.91	24.93	24.97	25.7	0	
5	QPSK	1	12	24.80	24.89	24.87			
5	QPSK	1	24	24.77	24.81	24.78			
5	QPSK	12	0	24.03	24.12	23.93			
5	QPSK	12	7	23.84	24.02	23.87	24.7	1	
5	QPSK	12	13	23.83	23.95	23.88			
5	QPSK	25	0	23.91	24.04	23.94			
5	16QAM	1	0	24.01	23.95	24.02	24.7	1	
5	16QAM	1	12	23.73	23.92	23.87			
5	16QAM	1	24	23.82	23.79	23.86			
5	16QAM	12	0	22.91	23.00	23.07			
5	16QAM	12	7	22.83	22.92	22.97	23.7	2	
5	16QAM	12	13	22.85	22.87	22.88			
5	16QAM	25	0	23.00	22.96	22.90			
5	64QAM	1	0	22.98	22.88	22.98	23.7	2	
5	64QAM	1	12	22.85	22.93	22.88			
5	64QAM	1	24	22.84	22.95	22.87			
5	64QAM	12	0	22.03	21.87	21.82			
5	64QAM	12	7	21.72	21.92	22.02	22.7	3	
5	64QAM	12	13	21.73	21.92	21.80			
5	64QAM	25	0	22.05	22.01	21.74			
5	256QAM	1	0	19.84	19.92	20.05	20.7	5	
5	256QAM	1	12	19.88	19.92	20.04			
5	256QAM	1	24	19.80	19.87	19.86			
5	256QAM	12	0	19.85	20.07	19.98			
5	256QAM	12	7	19.88	19.97	19.91	20.7	5	
5	256QAM	12	13	19.62	19.91	19.62			
5	256QAM	25	0	19.90	19.85	19.89			
Channel				26705	26865	27025	Tune-up limit	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.84	24.99	24.89	25.7	0	
3	QPSK	1	8	24.75	24.90	24.95			
3	QPSK	1	14	24.85	24.86	24.79			
3	QPSK	8	0	24.03	24.11	23.87	24.7	1	
3	QPSK	8	4	23.76	23.98	23.97			
3	QPSK	8	7	23.72	23.94	23.91			
3	QPSK	15	0	23.93	23.99	23.91			
3	16QAM	1	0	23.98	23.90	24.06	24.7	1	
3	16QAM	1	8	23.68	23.97	23.89			
3	16QAM	1	14	23.83	23.81	23.88			
3	16QAM	8	0	22.83	23.10	23.04	23.7	2	
3	16QAM	8	4	22.84	22.95	22.98			
3	16QAM	8	7	22.80	22.81	22.97			
3	16QAM	15	0	23.03	22.93	22.82			
3	64QAM	1	0	22.96	22.90	22.91	23.7	2	
3	64QAM	1	8	22.84	22.90	22.96			
3	64QAM	1	14	22.81	22.96	22.80			
3	64QAM	8	0	22.00	21.92	21.95			
3	64QAM	8	4	21.66	21.99	22.05	22.7	3	
3	64QAM	8	7	21.74	21.86	21.83			
3	64QAM	15	0	22.08	22.02	21.72			
3	256QAM	1	0	19.97	19.91	20.02	20.7	5	
3	256QAM	1	8	19.85	19.88	19.98			
3	256QAM	1	14	19.89	19.85	19.77			
3	256QAM	8	0	19.83	20.03	19.95	20.7	5	
3	256QAM	8	4	19.96	19.99	19.96			
3	256QAM	8	7	19.62	19.88	19.87			
3	256QAM	15	0	19.84	19.86	19.84			
Channel				26897	26865	27033	Tune-up limit	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0	
1.4	QPSK	1	3	24.72	24.88	24.89			
1.4	QPSK	1	5	24.84	24.84	24.81			
1.4	QPSK	3	0	24.83	24.99	24.94			
1.4	QPSK	3	1	24.64	24.87	24.79	24.7	1	
1.4	QPSK	3	3	24.77	24.73	24.73			
1.4	QPSK	6	0	23.94	24.04	23.98	24.7	1	
1.4	16QAM	1	3	23.66	24.00	23.99			
1.4	16QAM	1	5	23.85	23.76	23.82			
1.4	16QAM	3	0	23.90	23.97	23.78	24.7	1	
1.4	16QAM	3	1	23.93	23.88	23.96			
1.4	16QAM	3	3	23.63	23.92	23.80			
1.4	16QAM	6	0	22.99	22.99	22.80	23.7	2	
1.4	64QAM	1	0	22.97	22.96	22.93			
1.4	64QAM	1	3	22.83	22.97	22.81			
1.4	64QAM	1	5	22.90	22.89	22.89			
1.4	64QAM	3	0	22.88	22.93	22.87	23.7	2	
1.4	64QAM	3	1	22.86	22.85	22.91			
1.4	64QAM	3	3	22.76	22.96	22.76			
1.4	64QAM	6	0	22.09	22.01	21.80	22.7	3	
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5	
1.4	256QAM	1	3	19.86	19.94	20.03			
1.4	256QAM	1	5	19.90	19.85	19.79			
1.4	256QAM	3	0	19.89	20.08	19.92			
1.4	256QAM	3	1	19.88	20.05	19.94			
1.4	256QAM	3	3	19.58	19.89	19.84	20.7	5	
1.4	256QAM	6	0	19.88	19.80	19.94			

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GSM850 Ant1 Default									
GSM850		Burst Average Power (dBm)			Time-up Limit		Frame-Average Power (dBm)		
TX Channel		128	189	251	Limit		128	189	251
Frequency (MHz)		124.2	180.4	140.8	(dBm)		124.2	180.4	140.8
GSM 1 Tx slot		33.03	33.23	33.12	34.05		24.05	24.21	24.12
GPRS 1 Tx slot		33.12	33.25	33.18	34.60		24.12	24.25	24.18
GPRS 2 Tx slots		30.28	30.37	30.31	31.60		24.28	24.37	24.31
GPRS 3 Tx slots		26.23	26.47	26.82	29.80		23.97	24.21	24.26
GPRS 4 Tx slots		26.71	27.09	26.79	28.60		23.77	24.09	23.79
EDGE 1 Tx slot		27.12	27.23	27.16	28.90		18.12	18.23	18.16
EDGE 2 Tx slots		23.79	24.01	23.70	25.50		17.79	18.01	17.70
EDGE 3 Tx slots		21.91	22.11	21.86	23.50		17.85	17.85	17.82
EDGE 4 Tx slots		19.91	20.12	20.19	21.50		16.91	17.12	17.19
WCDMA V Ant1 Default									
Band		WCDMA V			Time-up Limit				
TX Channel		4152	4162	4233					
Rx Channel		4357	4407	4458					
Frequency (MHz)		189.4	189.4	186.8	(dBm)				
3GPP Rel 99	AMR 12.2Kbps	24.62	24.67	24.54	25.50				
3GPP Rel 99	RMC 12.2Kbps	24.69	24.71	24.65	25.50				
3GPP Rel 6	HSUPA Subtest-1	23.75	23.74	23.83	24.50				
3GPP Rel 6	HSUPA Subtest-2	23.70	23.67	23.84	24.50				
3GPP Rel 6	HSUPA Subtest-3	23.21	23.24	23.15	24.00				
3GPP Rel 6	HSUPA Subtest-4	23.21	23.27	23.18	24.00				
3GPP Rel 8	DC-HSDPA Subtest-1	23.65	23.71	23.61	24.50				
3GPP Rel 8	DC-HSDPA Subtest-2	23.69	23.68	23.63	24.50				
3GPP Rel 8	DC-HSDPA Subtest-3	23.18	23.15	23.16	24.00				
3GPP Rel 8	DC-HSDPA Subtest-4	23.19	23.22	23.18	24.00				
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.59	24.50				
3GPP Rel 6	HSUPA Subtest-2	21.68	21.65	21.63	22.50				
3GPP Rel 6	HSUPA Subtest-3	22.66	22.71	22.71	23.50				
3GPP Rel 6	HSUPA Subtest-4	21.65	21.66	21.64	22.50				
3GPP Rel 6	HSUPA Subtest-5	23.73	23.77	23.71	24.50				
3GPP Rel 7	HSUPA+ (16QAM) Subtest-1	21.19	21.17	21.19	22.00				

Band 5 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				829	836.5	844					
Frequency (MHz)				826.5	836.5	846.5					
10	QPSK	1	0	25.49	25.54	25.44	25.7	0			
10	QPSK	1	25	25.41	25.49	25.36					
10	QPSK	1	49	25.39	25.46	25.33					
10	QPSK	25	0	24.49	24.60	24.46					
10	QPSK	25	12	24.38	24.54	24.37					
10	QPSK	25	25	24.39	24.49	24.36	24.7	1			
10	QPSK	50	0	24.52	24.58	24.46					
10	16QAM	1	0	24.46	24.55	24.49					
10	16QAM	1	25	24.36	24.47	24.33					
10	16QAM	1	49	24.33	24.46	24.28					
10	16QAM	25	0	23.44	23.63	23.52	23.7	2			
10	16QAM	25	12	23.43	23.56	23.35					
10	16QAM	25	25	23.44	23.43	23.38					
10	16QAM	50	0	23.50	23.63	23.49					
10	16QAM	50	0	23.40	23.56	23.50					
10	16QAM	1	49	23.34	23.51	23.26	23.7	2			
10	16QAM	25	0	22.51	22.59	22.43					
10	16QAM	25	12	22.32	22.48	22.32					
10	16QAM	25	25	22.43	22.44	22.36					
10	16QAM	50	0	22.51	22.63	22.43					
10	256QAM	1	0	20.38	20.51	20.40	20.7	5			
10	256QAM	1	49	20.37	20.44	20.39					
10	256QAM	25	0	20.56	20.61	20.42					
10	256QAM	25	12	20.49	20.52	20.53					
10	256QAM	25	25	20.30	20.44	20.28					
10	256QAM	50	0	20.30	20.41	20.30	20.7	5			
Channel				20425	20525	20625				Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	25.46	25.52	25.40	25.7			0	
5	QPSK	1	12	25.33	25.46	25.27					
5	QPSK	1	24	25.32	25.40	25.30					
5	QPSK	12	0	24.40	24.55	24.40					
5	QPSK	12	7	24.32	24.47	24.30					
5	QPSK	12	13	24.35	24.47	24.23	24.7	1			
5	QPSK	25	0	24.41	24.56	24.35					
5	16QAM	1	0	24.36	24.46	24.34					
5	16QAM	1	12	24.29	24.34	24.26					
5	16QAM	1	24	24.29	24.42	24.23					
5	16QAM	12	0	23.40	23.51	23.47	23.7	2			
5	16QAM	12	7	23.30	23.45	23.33					
5	16QAM	12	13	23.41	23.46	23.33					
5	16QAM	25	0	23.44	23.59	23.39					
5	16QAM	25	0	23.44	23.51	23.42					
5	16QAM	1	12	23.24	23.36	23.16	23.7	2			
5	16QAM	1	24	23.22	23.46	23.18					
5	16QAM	12	0	22.48	22.53	22.33					
5	16QAM	12	7	22.25	22.38	22.24					
5	16QAM	12	13	22.40	22.39	22.29					
5	16QAM	25	0	22.38	22.50	22.33	20.7	5			
5	256QAM	1	0	20.36	20.53	20.39					
5	256QAM	1	12	20.30	20.42	20.34					
5	256QAM	1	24	20.30	20.31	20.23					
5	256QAM	12	0	20.44	20.58	20.28					
5	256QAM	12	7	20.40	20.38	20.48	20.7	5			
5	256QAM	12	13	20.18	20.34	20.23					
5	256QAM	25	0	20.23	20.31	20.20					
Channel				20515	20575	20635	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				826.5	836.5	847.5					
3	QPSK	1	0	25.47	25.46	25.40	25.7	0			
3	QPSK	1	8	25.37	25.36	25.27					
3	QPSK	1	14	25.31	25.35	25.28					
3	QPSK	8	0	24.45	24.54	24.44					
3	QPSK	8	4	24.25	24.41	24.33					
3	QPSK	8	7	24.32	24.42	24.29	24.7	1			
3	QPSK	15	0	24.45	24.49	24.37					
3	16QAM	1	0	24.44	24.41	24.40					
3	16QAM	1	8	24.25	24.39	24.29					
3	16QAM	1	14	24.30	24.42	24.25					
3	16QAM	8	0	23.34	23.59	23.46	23.7	2			
3	16QAM	8	4	23.30	23.42	23.31					
3	16QAM	8	7	23.41	23.39	23.33					
3	16QAM	15	0	23.41	23.51	23.45					
3	16QAM	1	0	23.40	23.53	23.48					
3	16QAM	1	8	23.18	23.37	23.26	23.7	2			
3	16QAM	1	14	23.27	23.48	23.21					
3	16QAM	8	0	22.42	22.51	22.34					
3	16QAM	8	4	22.19	22.44	22.23					
3	16QAM	8	7	22.36	22.38	22.25					
3	16QAM	15	0	22.40	22.58	22.36	20.7	5			
3	256QAM	1	0	20.43	20.56	20.38					
3	256QAM	1	8	20.31	20.44	20.32					
3	256QAM	1	14	20.35	20.42	20.31					
3	256QAM	8	0	20.53	20.52	20.34					
3	256QAM	8	4	20.41	20.42	20.44	20.7	5			
3	256QAM	8	7	20.20	20.30	20.16					
3	256QAM	15	0	20.27	20.29	20.21					
Channel				20607	20625	20643	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	25.39	25.44	25.40	25.7	0			
1.4	QPSK	1	3	25.32	25.43	25.26					
1.4	QPSK	1	5	25.31	25.33	25.27					
1.4	QPSK	3	0	25.30	25.36	25.31					
1.4	QPSK	3	1	25.26	25.33	25.22					
1.4	QPSK	3	3	25.27	25.26	25.16	24.7	1			
1.4	QPSK	6	0	24.47	24.49	24.33					
1.4	16QAM	1	0	24.38	24.45	24.40					
1.4	16QAM	1	3	24.26	24.39	24.27					
1.4	16QAM	1	5	24.23	24.41	24.17					
1.4	16QAM	3	0	24.42	24.35	24.24	23.7	2			
1.4	16QAM	3	1	24.25	24.42	24.28					
1.4	16QAM	3	3	24.23	24.32	24.16					
1.4	16QAM	6	0	23.43	23.55	23.35					
1.4	16QAM	1	0	23.42	23.53	23.28					
1.4	16QAM	1	3	23.20	23.32	23.23	23.7	2			
1.4	16QAM	1	5	23.32	23.42	23.19					
1.4	16QAM	3	0	23.39	23.44	23.33					
1.4	16QAM	3	1	23.32	23.48	23.25					
1.4	16QAM	3	3	23.18	23.26	23.12					
1.4	16QAM	6	0	22.49	22.49	22.30	22.7	3			
1.4	256QAM	1	0	20.43	20.52	20.36					
1.4	256QAM	1	3	20.29	20.38	20.28					
1.4	256QAM	1	5	20.26	20.42	20.34					
1.4	256QAM	3	0	20.49	20.52	20.31					
1.4	256QAM	3	1	20.38	20.41	20.31	20.7	5			
1.4	256QAM	3	3	20.28	20.33	20.24					
1.4	256QAM	6	0	20.19	20.34	20.17					

Band 12 Ant1 Default											
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	25.35	25.41	25.28		25.7	0		
10	QPSK	1	25	25.22	25.37	25.15					
10	QPSK	1	49	25.25	25.35	25.19					
10	QPSK	25	0	24.32	24.45	24.29					
10	QPSK	25	12	24.23	24.39	24.20					
10	QPSK	25	25	24.25	24.38	24.19		24.7	1		
10	QPSK	50	0	24.32	24.42	24.32					
10	16QAM	1	0	24.32	24.40	24.25					
10	16QAM	1	25	24.17	24.42	24.12					
10	16QAM	1	49	24.24	24.34	24.22					
10	16QAM	25	0	24.27	24.37	24.22		23.7	2		
10	16QAM	25	12	24.20	24.39	24.14					
10	16QAM	25	25	24.21	24.35	24.25					
10	16QAM	50	0	23.32	24.41	23.20					
10	84QAM	1	0	23.38	24.45	23.19					
10	84QAM	1	25	23.38	24.39	23.19		23.7			
10	84QAM	1	49	23.32	24.37	23.18					
10	84QAM	25	0	23.35	24.45	23.32					
10	84QAM	25	12	22.18	24.40	22.26					
10	84QAM	25	25	22.33	24.28	22.24					
10	84QAM	50	0	22.33	22.38	22.27		20.7	5		
10	84QAM	50	12	20.28	20.40	20.25					
10	84QAM	50	25	20.28	20.45	20.17					
10	256QAM	1	49	20.28	20.40	20.17					
10	256QAM	25	0	20.33	20.43	20.35					
10	256QAM	25	12	20.26	20.45	20.27		20.7	5		
10	256QAM	25	25	20.21	20.48	20.16					
10	256QAM	50	0	20.21	20.35	20.15					
Channel				23025	23095	23165	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				701.5	707.5	711.5					
5	QPSK	1	0	25.29	25.32	25.18		25.7	0		
5	QPSK	1	24	25.13	25.31	25.06					
5	QPSK	12	0	25.11	25.28	25.14					
5	QPSK	12	0	24.28	24.42	24.16					
5	QPSK	12	7	24.14	24.28	24.10					
5	QPSK	12	13	24.13	24.34	24.25		24.7	1		
5	QPSK	25	0	24.21	24.35	24.21					
5	16QAM	1	0	24.19	24.35	24.21					
5	16QAM	1	12	24.05	24.35	24.06					
5	16QAM	1	24	24.11	24.34	24.03					
5	16QAM	12	0	23.15	24.34	23.24		23.7	2		
5	16QAM	12	7	23.22	23.35	23.03					
5	16QAM	12	13	23.13	23.23	23.00					
5	16QAM	25	0	23.32	23.34	23.25					
5	16QAM	25	0	23.32	23.34	23.15					
5	16QAM	25	12	23.13	23.34	23.03		23.7	2		
5	84QAM	1	24	23.15	23.33	23.07					
5	84QAM	12	0	22.25	22.38	22.23					
5	84QAM	12	7	22.22	22.29	22.22					
5	84QAM	12	13	22.12	22.32	22.14					
5	84QAM	25	0	22.28	22.34	22.15		22.7	3		
5	84QAM	25	0	20.26	20.41	20.15					
5	256QAM	1	12	20.17	20.41	20.05					
5	256QAM	1	24	20.28	20.29	20.08					
5	256QAM	12	0	20.19	20.37	20.32					
5	256QAM	12	7	20.24	20.38	20.19		20.7	5		
5	256QAM	12	13	20.20	20.39	20.16					
5	256QAM	25	0	20.17	20.33	20.15					
Channel				23025	23095	23165	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	25.27	25.36	25.22		25.7	0		
3	QPSK	1	8	25.10	25.24	25.01					
3	QPSK	1	14	25.18	25.21	25.17					
3	QPSK	8	4	24.25	24.33	24.21					
3	QPSK	8	4	24.08	24.29	24.10					
3	QPSK	8	7	24.16	24.33	24.17		24.7	1		
3	QPSK	15	0	24.22	24.38	24.25					
3	16QAM	1	0	24.19	24.29	24.24					
3	16QAM	1	8	24.10	24.37	24.03					
3	16QAM	1	14	24.16	24.29	24.24					
3	16QAM	8	0	23.21	23.29	23.25		23.7	2		
3	16QAM	8	4	23.19	23.35	23.05					
3	16QAM	8	7	23.15	23.30	23.25					
3	16QAM	15	0	23.19	23.31	23.27					
3	16QAM	15	0	23.19	23.32	23.16					
3	84QAM	1	0	23.09	23.35	23.25		22.7	3		
3	84QAM	1	14	23.18	23.33	23.11					
3	84QAM	8	0	22.24	22.35	22.23					
3	84QAM	8	4	22.14	22.28	22.11					
3	84QAM	8	7	22.21	22.32	22.16					
3	256QAM	15	0	20.27	22.35	20.23		20.7	5		
3	256QAM	1	8	20.19	20.35	20.15					
3	256QAM	1	14	20.27	20.29	20.10					
3	256QAM	8	0	20.20	20.38	20.28					
3	256QAM	8	4	20.15	20.43	20.25					
3	256QAM	8	7	20.14	20.34	20.24		20.7	5		
3	256QAM	15	0	20.28	20.32	20.10					
Channel				23017	23097	23175	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3					
1.4	QPSK	1	0	25.24	25.35	25.22				25.7	0
1.4	QPSK	1	3	25.12	25.31	25.07					
1.4	QPSK	1	6	25.12	25.31	25.12					
1.4	QPSK	3	1	25.05	25.23	24.95					
1.4	QPSK	3	3	24.99	25.19	24.91					
1.4	8QAM	0	0	24.20	24.23	24.28		24.7	1		
1.4	8QAM	1	0	24.28	24.29	24.21					
1.4	16QAM	1	0	24.06	24.37	24.01					
1.4	16QAM	1	5	24.10	24.20	24.17					
1.4	16QAM	3	0	24.07	24.24	24.18					
1.4	16QAM	3	1	24.18	24.24	24.07		24.7	1		
1.4	16QAM	3	3	24.04	24.33	23.92					
1.4	16QAM	6	0	23.26	23.31	23.20					
1.4	16QAM	6	3	23.31	23.32	23.23					
1.4	16QAM	1	3	23.08	23.32	22.99					
1.4	64QAM	1	5	23.19	23.33	23.08		23.7	2		
1.4	64QAM	3	0	23.16	23.23	23.06					
1.4	64QAM	3	3	23.28	23.19	22.94					
1.4	64QAM	3	6	23.96	23.25	22.81					
1.4	64QAM	3	9	23.20	23.31	22.97					
1.4	256QAM	1	0	20.28	20.34	20.13		22.7	3		
1.4	256QAM	1	3	20.15	20.42	20.09					
1.4	256QAM	3	0	20.23	20.35	20.20					
1.4	256QAM	3	3	20.25	20.37	20.32					
1.4	256QAM	3	6	20.18	20.38	20.18					
1.4	256QAM	3	9	20.11	20.38	19.97		20.7	5		
1.4	256QAM	6	0	20.12	20.32	20.11					
1.4	256QAM	6	3	20.12	20.32	20.11					
1.4	256QAM	6	6	20.12	20.32	20.11					
1.4	256QAM	6	9	20.12	20.32	20.11					

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											
Frequency (MHz)											
15	QPSK	1	0	25.53	25.59	25.50	25.7	0			
15	QPSK	1	37	25.46	25.56	25.38					
15	QPSK	1	74	25.45	25.54	25.38					
15	QPSK	36	0	24.54	24.65	24.46					
15	QPSK	36	20	24.44	24.61	24.35	24.7	1			
15	QPSK	36	36	24.43	24.55	24.32					
15	QPSK	75	0	24.56	24.60	24.46					
15	16QAM	1	0	24.58	24.58	24.44					
15	16QAM	1	37	24.46	24.54	24.40	24.7	1			
15	16QAM	1	74	24.45	24.53	24.41					
15	16QAM	36	0	23.58	23.65	23.48					
15	16QAM	36	20	23.49	23.58	23.36					
15	16QAM	36	36	23.46	23.60	23.31	23.7	2			
15	16QAM	75	0	23.50	23.61	23.51					
15	64QAM	1	0	23.54	23.62	23.43					
15	64QAM	1	37	23.41	23.60	23.41					
15	64QAM	1	74	23.44	23.59	23.37	23.7	2			
15	64QAM	36	0	22.58	22.70	22.46					
15	64QAM	36	20	22.46	22.56	22.30					
15	64QAM	36	36	22.39	22.52	22.29					
15	64QAM	75	0	22.51	22.61	22.46	22.7	3			
15	256QAM	1	0	20.51	20.64	20.47					
15	256QAM	1	37	20.44	20.60	20.34					
15	256QAM	1	74	20.37	20.61	20.32					
15	256QAM	36	0	20.59	20.60	20.50	20.7	5			
15	256QAM	36	20	20.55	20.64	20.43					
15	256QAM	36	36	20.50	20.56	20.45					
15	256QAM	75	0	20.44	20.54	20.42					
Channel											
Frequency (MHz)											
10	QPSK	1	0	25.51	25.50	25.48	25.7	0			
10	QPSK	1	25	25.36	25.51	25.28					
10	QPSK	1	49	25.30	25.41	25.26					
10	QPSK	25	0	24.48	24.61	24.42					
10	QPSK	25	12	24.38	24.57	24.25	24.7	1			
10	QPSK	25	25	24.30	24.45	24.20					
10	QPSK	50	0	24.44	24.52	24.37					
10	16QAM	1	0	24.46	24.51	24.38					
10	16QAM	1	25	24.39	24.43	24.28	24.7	1			
10	16QAM	1	49	24.41	24.47	24.31					
10	16QAM	25	0	23.43	23.57	23.38					
10	16QAM	25	12	23.44	23.52	23.30					
10	16QAM	25	25	23.40	23.49	23.19	23.7	2			
10	16QAM	50	0	23.45	23.55	23.36					
10	64QAM	1	0	23.49	23.59	23.31					
10	64QAM	1	25	23.35	23.54	23.28					
10	64QAM	1	49	23.35	23.51	23.28	22.7	3			
10	64QAM	25	0	22.47	22.66	22.35					
10	64QAM	25	12	22.42	22.62	22.19					
10	64QAM	25	25	22.32	22.47	22.26					
10	64QAM	50	0	22.47	22.59	22.33	20.7	5			
10	256QAM	1	0	20.48	20.50	20.39					
10	256QAM	1	25	20.35	20.51	20.20					
10	256QAM	1	49	20.24	20.57	20.23					
10	256QAM	25	0	20.56	20.50	20.42	20.7	5			
10	256QAM	25	12	20.45	20.55	20.38					
10	256QAM	25	25	20.47	20.46	20.37					
10	256QAM	50	0	20.36	20.49	20.37					
Channel											
Frequency (MHz)											
5	QPSK	1	0	25.44	25.46	25.38	25.7	0			
5	QPSK	1	12	25.35	25.46	25.36					
5	QPSK	1	24	25.42	25.49	25.30					
5	QPSK	12	0	24.43	24.52	24.43					
5	QPSK	12	7	24.38	24.49	24.33	24.7	1			
5	QPSK	12	13	24.30	24.51	24.26					
5	QPSK	25	0	24.45	24.50	24.35					
5	16QAM	1	0	24.55	24.56	24.31					
5	16QAM	1	12	24.41	24.52	24.35	24.7	1			
5	16QAM	1	24	24.34	24.47	24.31					
5	16QAM	12	0	23.44	23.58	23.35					
5	16QAM	12	7	23.46	23.52	23.27					
5	16QAM	12	13	23.35	23.47	23.25	23.7	2			
5	16QAM	25	0	23.48	23.47	23.48					
5	64QAM	1	0	23.42	23.60	23.32					
5	64QAM	1	12	23.34	23.57	23.36					
5	64QAM	1	24	23.30	23.53	23.33	23.7	2			
5	64QAM	12	0	22.56	22.58	22.38					
5	64QAM	12	7	22.37	22.52	22.24					
5	64QAM	12	13	22.26	22.46	22.18					
5	64QAM	25	0	22.45	22.49	22.42	20.7	5			
5	256QAM	1	0	20.39	20.61	20.35					
5	256QAM	1	12	20.36	20.54	20.21					
5	256QAM	1	24	20.33	20.59	20.23					
5	256QAM	12	0	20.50	20.51	20.38	20.7	5			
5	256QAM	12	7	20.42	20.52	20.39					
5	256QAM	12	13	20.38	20.48	20.38					
5	256QAM	25	0	20.39	20.46	20.32					
Channel											
Frequency (MHz)											
3	QPSK	1	0	25.40	25.49	25.42	25.7	0			
3	QPSK	1	8	25.40	25.45	25.35					
3	QPSK	1	14	25.35	25.47	25.32					
3	QPSK	8	0	24.44	24.55	24.34					
3	QPSK	8	4	24.37	24.48	24.33	24.7	1			
3	QPSK	8	7	24.32	24.51	24.27					
3	QPSK	15	0	24.51	24.52	24.38					
3	16QAM	1	0	24.45	24.44	24.38					
3	16QAM	1	8	24.37	24.48	24.27	24.7	1			
3	16QAM	1	14	24.41	24.43	24.27					
3	16QAM	8	0	23.51	23.58	23.37					
3	16QAM	8	4	23.39	23.47	23.23					
3	16QAM	8	7	23.40	23.57	23.27	23.7	2			
3	16QAM	15	0	23.39	23.47	23.45					
3	64QAM	1	0	23.42	23.53	23.41					
3	64QAM	1	8	23.31	23.58	23.39					
3	64QAM	1	14	23.39	23.53	23.26	23.7	2			
3	64QAM	8	0	22.50	22.61	22.42					
3	64QAM	8	4	22.39	22.53	22.26					
3	64QAM	8	7	22.32	22.44	22.16					
3	64QAM	15	0	22.44	22.54	22.42	22.7	3			
3	256QAM	1	0	20.46	20.53	20.38					
3	256QAM	1	8	20.40	20.52	20.21					
3	256QAM	1	14	20.25	20.58	20.27					
3	256QAM	8	0	20.54	20.50	20.36	20.7	5			
3	256QAM	8	4	20.46	20.59	20.40					
3	256QAM	8	7	20.43	20.54	20.38					
3	256QAM	15	0	20.40	20.42	20.34					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	25.46	25.51	25.40	25.7	0			
1.4	QPSK	1	3	25.39	25.52	25.34					
1.4	QPSK	1	5	25.38	25.51	25.36					
1.4	QPSK	3	0	25.44	25.41	25.31					
1.4	QPSK	3	1	25.28	25.38	25.24	24.7	1			
1.4	QPSK	3	3	25.28	25.46	25.16					
1.4	QPSK	6	0	24.42	24.53	24.41	24.7	1			
1.4	16QAM	1	0	24.49	24.54	24.37					
1.4	16QAM	1	3	24.42	24.49	24.30					
1.4	16QAM	1	5	24.38	24.42	24.34					
1.4	16QAM	3	0	24.39	24.40	24.30	24.7	1			
1.4	16QAM	3	1	24.44	24.47	24.28					
1.4	16QAM	3	3	24.29	24.36	24.20					
1.4	16QAM	6	0	23.44	23.56	23.32					
1.4	16QAM	6	22	23.30	23.53	23.27	23.7	2			
1.4	16QAM	6	24	23.27	23.47	23.21					
1.4	64QAM	1	5	23.37	23.50	23.25					
1.4	64QAM	3	0	23.29	23.39	23.34					
1.4	64QAM	3	3	23.17	23.52	23.19	23.7	2			
1.4	64QAM	3	3	23.19	23.46	23.33					
1.4	64QAM	6	0	22.42	22.48	22.21					
1.4	256QAM	1	20	20.37	20.52	20.42					
1.4	256QAM	1	3	20.34	20.47	20.23	20.7	5			
1.4	256QAM	1	5	20.31	20.50	20.29					
1.4	256QAM	3	0	20.54	20.52	20.40					
1.4	256QAM	3	1	20.46	20.56	20.29					
1.4	256QAM	6	0	20.47	20.49	20.38	20.7			5	
1.4	256QAM	6	3	20.35	20.52	20.36					
1.4	256QAM	6	6	20.35	20.50	20.26					
1.4	256QAM	6	9	20.26	20.50	20.26					

Band 71 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											
Frequency (MHz)											
20	QPSK	1	0	25.28	25.35	25.32	25.4	0			
20	QPSK	1	49	25.24	25.30	25.29					
20	QPSK	1	99	25.14	25.29	25.20					
20	QPSK	50	0	24.28	24.40	24.32					
20	QPSK	50	24	24.29	24.32	24.31	24.4	1			
20	QPSK	50	49	24.20	24.31	24.25					
20	QPSK	100	0	24.30	24.38	24.28					
20	16QAM	1	0	24.30	24.37	24.26					
20	16QAM	1	49	24.24	24.30	24.24	24.4	1			
20	16QAM	1	99	24.16	24.26	24.22					
20	16QAM	50	0	24.17	24.26	24.18					
20	16QAM	50	24	23.34	23.31	23.26					
20	16QAM	50	50	23.16	23.23	23.16	23.4	2			
20	16QAM	100	0	23.34	23.37	23.33					
20	64QAM	1	0	23.29	23.22	23.26					
20	64QAM	1	49	23.20	23.34	23.27					
20	64QAM	1	99	23.17	23.22	23.23	23.4	2			
20	64QAM	50	0	22.25	22.40	22.35					
20	64QAM	50	24	22.32	22.34	22.34					
20	64QAM	50	50	22.12	22.24	22.22					
20	64QAM	100	0	22.32	22.38	22.24	22.4	3			
20	256QAM	1	0	20.30	20.38	20.29					
20	256QAM	1	49	20.33	20.37	20.30					
20	256QAM	1	99	20.15	20.30	20.19					
20	256QAM	50	0	20.30	20.31	20.27	20.4	5			
20	256QAM	50	24	20.35	20.22	20.23					
20	256QAM	50	50	20.21	20.31	20.24					
20	256QAM	100	0	20.20	20.29	20.17					
Channel											
Frequency (MHz)											
15	QPSK	1	0	25.24	25.30	25.19	25.4	0			

GSM1900 Ant5 Default									
GSM1900		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1600.2	1690	1699.8		1600.2	1690	1699.8	
GSM 1 Tx slot		23.63	23.84	23.73	31.00	20.63	20.84	20.73	22.00
GPRS 1 Tx slot		20.68	20.01	20.13	31.00	20.68	21.01	21.13	22.00
GPRS 2 Tx slot		26.32	26.73	26.75	28.00	20.32	20.73	20.75	22.00
GPRS 3 Tx slot		25.44	25.72	25.34	26.20	21.18	21.46	21.08	21.94
GPRS 4 Tx slot		23.40	23.50	23.65	25.00	20.40	20.90	20.65	22.00
EDGE 1 Tx slot		25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slot		22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slot		21.55	21.54	21.54	22.20	17.29	17.29	17.29	17.94
EDGE 4 Tx slot		19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00
WCDMA II Ant5 Default									
Band		WCDMA II			Time-up Limit (dBm)	WCDMA IV			Time-up Limit (dBm)
TX Channel		9262	9409	9538		1312	1413	1513	
Rx Channel		9682	9800	9938		1337	1638	1738	
Frequency (MHz)		1824.6	1840	1857.6		1724.6	1724.6	1724.6	
3GPP Rel 99	AMR 12.2Kbps	24.23	24.25	24.14	25.00	24.05	24.16	24.18	25.00
3GPP Rel 99	RMC 12.2Kbps	24.28	24.35	24.22	25.00	24.17	24.27	24.26	25.00
3GPP Rel 6	HSOPA Subtest-1	23.26	23.30	23.27	24.00	23.15	23.25	23.21	24.00
3GPP Rel 6	HSOPA Subtest-2	23.33	23.37	23.17	24.00	23.15	23.23	23.25	24.00
3GPP Rel 6	HSOPA Subtest-3	22.81	22.83	22.77	23.50	22.64	22.80	22.82	23.50
3GPP Rel 6	HSOPA Subtest-4	22.74	22.80	22.71	23.50	22.75	22.79	22.75	23.50
3GPP Rel 8	DC-HSOPA Subtest-1	23.25	23.35	23.25	24.00	23.15	23.27	23.25	24.00
3GPP Rel 8	DC-HSOPA Subtest-2	23.25	23.37	23.17	24.00	23.13	23.30	23.21	24.00
3GPP Rel 8	DC-HSOPA Subtest-3	22.75	22.83	22.72	23.50	22.69	22.73	22.72	23.50
3GPP Rel 8	DC-HSOPA Subtest-4	22.83	22.89	22.66	23.50	22.72	22.76	22.75	23.50
3GPP Rel 6	HSUPA Subtest-1	23.31	23.34	23.21	24.00	23.15	23.22	23.27	24.00
3GPP Rel 6	HSUPA Subtest-2	21.26	21.30	21.24	22.00	21.14	21.21	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	22.22	22.35	22.19	23.00	22.20	22.29	22.29	23.00
3GPP Rel 6	HSUPA Subtest-4	21.27	21.39	21.22	22.00	21.18	21.27	21.28	22.00
3GPP Rel 6	HSUPA Subtest-5	23.24	23.41	23.21	24.00	23.14	23.33	23.30	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.75	20.88	20.73	21.50	20.70	20.77	20.72	21.50

Band 2 Ant5 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (MHz)	Power Mid (MHz)	Power High (MHz)	Turn-up time (sec)	Turn-up time (sec)	Turn-up time (sec)	Turn-up time (sec)	Turn-up time (sec)	Turn-up time (sec)
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.94	24.11	23.95						
20	QPSK	1	48	23.94	24.01	23.81	25	0				
20	QPSK	1	96	23.94	24.06	23.92						
20	QPSK	50	0	22.92	23.17	22.98						
20	QPSK	50	24	22.98	23.08	22.98	24	1				
20	QPSK	50	50	22.92	23.15	22.97						
20	16QAM	1	0	22.95	23.13	22.93						
20	16QAM	1	48	22.95	23.10	22.94	24	1				
20	16QAM	1	96	22.92	23.08	22.96						
20	16QAM	25	0	21.86	22.09	21.90						
20	16QAM	25	24	21.92	22.11	21.91	23	2				
20	16QAM	25	50	21.96	22.12	21.97						
20	16QAM	100	0	21.90	22.08	21.94						
20	16QAM	1	0	21.88	22.06	22.00						
20	16QAM	1	48	21.93	22.15	21.94						
20	16QAM	1	96	21.91	22.13	21.93	23	2				
20	16QAM	50	24	21.00	21.09	20.91						
20	16QAM	50	50	20.96	21.16	20.98	22	3				
20	16QAM	100	0	20.90	21.12	21.00						
20	16QAM	1	48	19.97	20.08	19.98						
20	16QAM	1	96	19.90	19.16	19.92	20	5				
20	16QAM	50	0	18.93	19.16	18.99						
20	16QAM	50	24	18.92	19.12	18.90	20	5				
20	16QAM	50	50	18.92	19.12	18.90						
20	16QAM	100	0	18.90	19.02	18.90						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.88	24.03	23.82						
15	QPSK	1	37	23.88	24.07	23.79	25	0				
15	QPSK	1	74	23.72	23.92	23.73						
15	QPSK	36	0	22.77	23.03	22.86						
15	QPSK	36	25	22.75	23.03	22.84	24	1				
15	QPSK	36	36	22.76	22.97	22.81						
15	QPSK	75	0	22.79	22.96	22.81						
15	QPSK	75	0	22.79	22.96	22.81	24	1				
15	16QAM	1	37	22.84	22.99	22.84						
15	16QAM	1	74	22.82	23.04	22.88						
15	16QAM	36	0	21.80	21.98	21.84						
15	16QAM	36	25	21.83	22.07	21.85	23	2				
15	16QAM	36	36	21.80	21.96	21.84						
15	16QAM	75	0	21.80	21.96	21.84						
15	16QAM	1	0	21.74	21.92	21.85						
15	16QAM	1	37	21.72	21.90	21.80	23	2				
15	16QAM	1	74	21.75	21.99	21.81						
15	16QAM	36	0	20.83	21.09	20.89						
15	16QAM	36	25	20.85	21.08	20.85	22	3				
15	16QAM	36	36	20.85	21.00	20.85						
15	16QAM	75	0	20.84	21.00	20.85						
15	16QAM	1	37	18.88	19.03	18.87						
15	16QAM	1	74	18.81	19.00	18.78	20	5				
15	16QAM	36	0	18.80	18.96	18.82						
15	16QAM	36	25	18.80	18.97	18.85						
15	16QAM	36	36	18.80	18.94	18.80	20	5				
15	16QAM	75	0	18.80	18.96	18.80						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.80	24.00	23.80						
10	QPSK	1	25	23.79	23.91	23.75	25	0				
10	QPSK	1	49	23.79	23.83	23.69						
10	QPSK	1	73	23.71	23.91	23.61						
10	QPSK	25	12	22.85	22.93	22.85						
10	QPSK	25	25	22.81	22.97	22.85	24	1				
10	QPSK	1	0	22.73	22.97	22.78						
10	QPSK	1	25	22.84	22.93	22.79	24	1				
10	QPSK	1	49	22.80	22.98	22.80						
10	QPSK	25	0	21.77	22.03	21.80						
10	QPSK	25	12	21.86	21.96	21.85	23	2				
10	QPSK	25	25	21.75	22.05	21.81						
10	QPSK	50	0	21.82	21.97	21.81						
10	QPSK	50	24	21.82	21.98	21.80						
10	QPSK	50	50	21.82	21.91	21.82	23	2				
10	QPSK	1	0	21.82	21.98	21.80						
10	QPSK	1	25	21.82	21.91	21.82	23	2				
10	QPSK	1	49	21.80	22.07	21.86						
10	QPSK	25	0	20.82	21.03	20.89						
10	QPSK	25	12	20.85	21.05	20.88	22	3				
10	QPSK	25	25	20.87	21.11	20.84						
10	QPSK	50	0	20.87	21.04	20.90						
10	QPSK	1	25	18.80	19.03	18.89	20	5				
10	QPSK	1	49	18.81	19.01	18.85						
10	QPSK	25	0	18.75	19.05	18.79						
10	QPSK	25	12	18.78	19.04	18.76	20	5				
10	QPSK	25	25	18.86	19.03	18.74						
10	QPSK	50	0	18.78	19.03	18.78						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.74	24.04	23.81						
5	QPSK	1	12	23.81	23.95	23.68	25	0				
5	QPSK	1	24	23.69	24.01	23.69						
5	QPSK	1	36	23.71	23.88	23.61						
5	QPSK	12	7	23.93	23.92	23.88						
5	QPSK	12	13	23.83	23.88	23.89	24	1				
5	QPSK	25	0	23.86	23.94	23.82						
5	QPSK	1	0	23.81	23.95	23.86						
5	QPSK	1	12	22.86	22.91	22.84	24	1				
5	QPSK	1	24	22.82	23.08	22.88						
5	QPSK	12	0	21.75	21.87	21.85						
5	QPSK	12	7	21.80	22.06	21.82	23	2				
5	QPSK	12	13	21.88	22.05	21.86						
5	QPSK	25	0	21.78	21.93	21.80						
5	QPSK	1	0	21.83	21.98	21.85	23	2				
5	QPSK	1	12	21.84	22.05	21.87						
5	QPSK	1	24	21.78	22.05	21.86						
5	QPSK	12	0	20.85	21.03	20.89						
5	QPSK	12	7	20.89	21.03	20.80	22	3				
5	QPSK	12	13	20.88	21.05	20.84						
5	QPSK	25	0	20.91	20.96	20.85						
5	QPSK	1	0	19.80	19.90	19.88						
5	QPSK	1	12	19.88	19.99	19.90	20	5				
5	QPSK	1	24	19.75	19.93	19.86						
5	QPSK	12	0	18.82	19.06	18.79						
5	QPSK	12	7	18.83	19.03	18.87	20	5				
5	QPSK	12	13	18.80	19.00	18.79						
5	QPSK	25	0	18.80	19.02	18.81						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.84	24.04	23.81						
1.4	QPSK	1	8	23.72	23.86	23.76	25	0				
1.4	QPSK	1	14	23.69	23.96	23.69						
1.4	QPSK	1	20	23.84	23.95	23.86						
1.4	QPSK	8	4	22.83	23.00	22.86						
1.4	QPSK	8	7	22.81	23.04	22.81	24	1				
1.4	QPSK	1	0	22.80	23.04	22.77						
1.4	QPSK	1	8	22.77	22.99	22.81						
1.4	QPSK	1	14	22.82	23.08	22.82	24	1				
1.4	QPSK	8	0	21.81	22.03	21.86						
1.4	QPSK	8	4	21.78	21.98	21.89	23	2				
1.4	QPSK	8	7	21.88	22.05	21.86						
1.4	QPSK	16	0	21.80	21.97	21.84						
1.4	QPSK	1	0	21.83	21.94	21.81						
1.4	QPSK	8	0	21.86	22.06	21.87	23	2				
1.4	QPSK	1	14	21.78	22.07							

Band 66 Ant5 Default											
RF (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Tune up Int (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	25.20	25.35	25.13	25.7	0			
20	QPSK	1	40	25.00	25.30	24.98					
20	QPSK	1	96	25.11	25.28	25.06					
20	QPSK	50	0	24.23	24.30	24.14	24.7	1			
20	QPSK	50	24	24.23	24.30	24.13					
20	QPSK	50	50	24.25	24.31	24.13					
20	QPSK	100	0	24.16	24.20	24.08	24.7	1			
20	HQDM	1	0	24.25	24.31	24.17					
20	HQDM	1	40	24.21	24.34	24.17					
20	HQDM	1	96	24.14	24.32	24.10	23.7	2			
20	HQDM	50	0	23.17	23.37	23.07					
20	HQDM	50	24	23.20	23.32	23.12					
20	HQDM	50	50	22.18	23.34	23.11	22.7	3			
20	HQDM	100	0	23.15	23.32	23.09					
20	HQDM	1	0	23.19	23.37	23.18					
20	HQDM	1	40	23.17	23.31	23.14	23.7	2			
20	HQDM	1	96	23.25	23.39	23.16					
20	HQDM	50	0	22.25	22.31	22.11					
20	HQDM	50	24	22.21	22.35	22.19	22.7	3			
20	HQDM	50	50	22.15	22.30	22.14					
20	HQDM	100	0	22.22	22.31	22.10					
20	SSQAM	1	0	20.23	20.36	20.16	20.7	5			
20	SSQAM	1	40	20.21	20.39	20.12					
20	SSQAM	1	96	20.19	20.29	20.14					
20	SSQAM	50	0	20.23	20.36	20.08	20.7	5			
20	SSQAM	50	24	20.18	20.40	20.15					
20	SSQAM	50	50	20.20	20.38	20.07					
20	SSQAM	100	0	20.14	20.32	20.12	Channel				
Frequency (MHz)											
16	QPSK	1	0	25.11	25.24	25.06	25.7	0			
16	QPSK	1	37	25.03	25.19	24.83					
16	QPSK	1	74	25.00	25.15	24.69					
16	QPSK	36	0	24.10	24.25	24.02	24.7	1			
16	QPSK	36	20	24.16	24.18	23.98					
16	QPSK	36	36	24.10	24.22	23.98					
16	QPSK	75	0	24.07	24.14	24.01	24.7	1			
16	HQDM	1	0	24.10	24.25	24.01					
16	HQDM	1	37	24.10	24.20	24.01					
16	HQDM	1	74	23.99	24.22	23.94	24.7	1			
16	HQDM	36	0	23.03	23.25	23.00					
16	HQDM	36	20	23.04	23.27	22.99					
16	HQDM	36	36	23.07	23.28	23.00	23.7	2			
16	HQDM	75	0	23.08	23.21	23.00					
16	HQDM	1	0	23.08	23.28	23.11					
16	HQDM	1	37	23.00	23.28	23.07	22.7	3			
16	HQDM	1	74	23.18	23.30	23.03					
16	HQDM	36	0	22.14	22.26	22.02					
16	HQDM	36	20	22.15	22.23	22.06	20.7	5			
16	HQDM	36	36	22.01	22.25	22.02					
16	HQDM	75	0	22.14	22.24	22.00					
16	SSQAM	1	0	20.08	20.25	20.06	20.7	5			
16	SSQAM	1	37	20.09	20.34	20.05					
16	SSQAM	1	74	20.06	20.20	20.04					
16	SSQAM	36	0	20.08	20.21	19.92	20.7	5			
16	SSQAM	36	20	20.12	20.28	20.05					
16	SSQAM	36	36	20.04	20.26	19.92					
16	SSQAM	75	0	20.00	20.18	19.96	Channel				
Frequency (MHz)											
10	QPSK	1	0	25.11	25.28	24.94	25.7	0			
10	QPSK	1	25	25.05	25.19	24.85					
10	QPSK	1	40	25.04	25.18	24.83					
10	QPSK	25	0	24.17	24.21	24.04	24.7	1			
10	QPSK	25	12	24.12	24.18	23.99					
10	QPSK	25	25	24.15	24.18	23.99					
10	QPSK	50	0	24.01	24.14	23.95	24.7	1			
10	HQDM	1	0	24.14	24.21	24.05					
10	HQDM	1	25	24.07	24.23	23.98					
10	HQDM	1	40	23.99	24.18	24.04	23.7	2			
10	HQDM	25	0	23.04	23.30	22.95					
10	HQDM	25	12	23.14	23.19	22.98					
10	HQDM	25	25	23.04	23.26	23.08	23.7	2			
10	HQDM	50	0	23.11	23.28	23.02					
10	HQDM	1	0	23.00	23.28	23.13					
10	HQDM	1	25	23.04	23.27	23.08	22.7	3			
10	HQDM	1	40	23.12	23.26	23.02					
10	HQDM	25	0	22.11	22.22	22.05					
10	HQDM	25	12	22.11	22.27	22.07	20.7	5			
10	HQDM	25	25	22.05	22.23	22.00					
10	HQDM	50	0	22.05	22.22	21.98					
10	SSQAM	1	0	20.10	20.25	20.04	20.7	5			
10	SSQAM	1	25	20.12	20.32	20.01					
10	SSQAM	1	40	20.12	20.16	20.05					
10	SSQAM	25	0	20.11	20.20	19.92	20.7	5			
10	SSQAM	25	12	20.13	20.29	20.07					
10	SSQAM	25	25	20.13	20.25	19.93					
10	SSQAM	50	0	20.01	20.22	19.96	Channel				
Frequency (MHz)											
5	QPSK	1	0	25.11	25.28	25.00	25.7	0			
5	QPSK	1	8	25.04	25.21	24.89					
5	QPSK	1	14	24.95	25.13	24.93					
5	QPSK	8	0	24.00	24.19	24.00	24.7	1			
5	QPSK	8	4	24.14	24.17	24.00					
5	QPSK	8	7	24.20	24.15	24.07					
5	QPSK	15	0	24.01	24.22	23.93	24.7	1			
5	HQDM	1	0	24.14	24.20	24.10					
5	HQDM	1	8	24.12	24.20	24.01					
5	HQDM	1	14	24.10	24.24	23.99	23.7	2			
5	HQDM	8	0	23.01	23.33	22.94					
5	HQDM	8	4	23.15	23.20	22.99					
5	HQDM	8	7	23.13	23.19	22.98	23.7	2			
5	HQDM	15	0	23.05	23.21	22.95					
5	HQDM	1	0	23.05	23.33	23.04					
5	HQDM	1	8	23.08	23.26	23.04	22.7	3			
5	HQDM	1	14	23.11	23.33	23.05					
5	HQDM	8	0	22.14	22.18	22.04					
5	HQDM	8	4	22.15	22.27	22.07	20.7	5			
5	HQDM	8	7	22.07	22.14	22.01					
5	SSQAM	15	0	22.12	22.24	22.00					
5	SSQAM	1	0	20.09	20.31	20.04	20.7	5			
5	SSQAM	1	8	20.11	20.23	20.08					
5	SSQAM	1	14	20.07	20.15	20.03					
5	SSQAM	8	0	20.15	20.28	20.02	20.7	5			
5	SSQAM	8	4	20.12	20.35	20.10					
5	SSQAM	8	7	20.10	20.34	20.03					
5	SSQAM	15	0	20.01	20.27	19.97	Channel				
Frequency (MHz)											
1.4	QPSK	1	0	24.93	24.99	24.83	25.7	0			
1.4	QPSK	1	3	24.74	24.99	24.76					
1.4	QPSK	1	5	24.72	24.96	24.79					
1.4	QPSK	3	0	24.71	24.89	24.82	24.7	1			
1.4	QPSK	3	1	24.81	24.84	24.78					
1.4	QPSK	3	3	24.75	24.81	24.71					
1.4	QPSK	5	0	23.85	23.84	23.84	24.7	1			
1.4	HQDM	1	0	23.89	23.90	23.85					
1.4	HQDM	1	3	23.81	23.97	23.91					
1.4	HQDM	1	5	23.84	24.05	23.95	24.7	1			
1.4	HQDM	3	0	23.72	23.84	23.77					
1.4	HQDM	3	1	23.74	23.82	23.75					
1.4	HQDM	3	3	23.88	23.99	23.87	23.7	2			
1.4	HQDM	5	0	23.72	23.84	23.77					
1.4	HQDM	5	1	23.74	23.82	23.75					
1.4	HQDM	5	3	23.87	23.97	23.82	23.7	2			
1.4	HQDM	15	0	23.68	23.63	22.84					
1.4	HQDM	15	1	23.69	23.64	22.85					
1.4	HQDM	15	3	23.77	23.63	22.80	23.7	2			
1.4	HQDM	3	0	22.86	22.87	22.83					
1.4	HQDM	3	1	22.87	22.87	22.83					
1.4	HQDM	3	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	5	0	22.86	22.87	22.83					
1.4	HQDM	5	1	22.87	22.87	22.83					
1.4	HQDM	5	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	15	0	22.86	22.87	22.83					
1.4	HQDM	15	1	22.87	22.87	22.83					
1.4	HQDM	15	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	3	0	22.86	22.87	22.83					
1.4	HQDM	3	1	22.87	22.87	22.83					
1.4	HQDM	3	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	5	0	22.86	22.87	22.83					
1.4	HQDM	5	1	22.87	22.87	22.83					
1.4	HQDM	5	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	15	0	22.86	22.87	22.83					
1.4	HQDM	15	1	22.87	22.87	22.83					
1.4	HQDM	15	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	3	0	22.86	22.87	22.83					
1.4	HQDM	3	1	22.87	22.87	22.83					
1.4	HQDM	3	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	5	0	22.86	22.87	22.83					
1.4	HQDM	5	1	22.87	22.87	22.83					
1.4	HQDM	5	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	15	0	22.86	22.87	22.83					
1.4	HQDM	15	1	22.87	22.87	22.83					
1.4	HQDM	15	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	3	0	22.86	22.87	22.83					
1.4	HQDM	3	1	22.87	22.87	22.83					
1.4	HQDM	3	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	5	0	22.86	22.87	22.83					
1.4	HQDM	5	1	22.87	22.87	22.83					
1.4	HQDM	5	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	15	0	22.86	22.87	22.83					
1.4	HQDM	15	1	22.87	22.87	22.83					
1.4	HQDM	15	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	3	0	22.86	22.87	22.83					
1.4	HQDM	3	1	22.87	22.87	22.83					
1.4	HQDM	3	3	22.77	23.63	22.80	22.7	3			
1.4	HQDM	5	0	22.86	22.87	22.83					
1.4	HQDM	5	1	22.87	22.87	22.83					

Band 38 Ant5 Default											
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 time (dttm)	MPR (dB)	
Channel Frequency (MHz)											
20	QPSK	1	0	25.16	25.35	25.11					
20	QPSK	1	48	25.15	25.28	25.15			25.7	0	
20	QPSK	1	96	25.09	25.30	25.12					
20	QPSK	50	0	24.22	24.31	24.21					
20	QPSK	50	24	24.18	24.33	24.23			24.7	1	
20	QPSK	50	50	24.18	24.30	24.19					
20	QPSK	100	0	24.22	24.31	24.20					
20	16QAM	1	0	24.20	24.36	24.25					
20	16QAM	1	48	24.24	24.33	24.21			24.7	1	
20	16QAM	1	96	24.22	24.36	24.24					
20	16QAM	50	0	23.25	23.35	23.25					
20	16QAM	50	24	23.23	23.35	23.28			23.7	2	
20	16QAM	50	50	23.21	23.38	23.28					
20	16QAM	100	0	23.27	23.39	23.26					
20	64QAM	1	0	23.23	23.38	23.23					
20	64QAM	1	48	23.21	23.35	23.26			23.7	2	
20	64QAM	1	96	23.24	23.31	23.24					
20	64QAM	50	0	22.27	22.30	22.27					
20	64QAM	50	24	22.21	22.35	22.21			22.7	3	
20	64QAM	50	50	22.18	22.35	22.29					
20	256QAM	1	0	22.29	22.33	22.21					
20	256QAM	1	48	22.28	22.32	22.27			20.7	5	
20	256QAM	1	96	20.22	20.40	20.27					
20	256QAM	50	0	20.18	20.35	20.27					
20	256QAM	50	24	20.28	20.32	20.27					
20	256QAM	50	50	20.26	20.34	20.29			20.7	5	
20	256QAM	100	0	20.26	20.37	20.23					
Channel Frequency (MHz)											
15	QPSK	1	0	25.03	25.28	24.96					
15	QPSK	1	37	25.11	25.21	25.09			25.7	0	
15	QPSK	1	74	25.02	25.14	24.97					
15	QPSK	36	0	24.11	24.28	24.13					
15	QPSK	36	20	24.04	24.24	24.12			24.7	1	
15	QPSK	36	39	24.04	24.22	24.13					
15	QPSK	75	0	24.11	24.25	24.24					
15	16QAM	1	0	24.04	24.23	24.12					
15	16QAM	1	37	24.14	24.26	24.13			24.7	1	
15	16QAM	1	74	24.09	24.24	24.13					
15	16QAM	36	0	23.12	23.28	23.07					
15	16QAM	36	20	23.18	23.27	23.13					
15	16QAM	36	39	23.15	23.25	23.15			23.7	2	
15	16QAM	75	0	23.20	23.29	23.08					
15	16QAM	1	0	23.12	23.28	23.19					
15	16QAM	1	37	23.12	23.23	23.13			23.7	2	
15	16QAM	1	74	23.12	23.23	23.16					
15	64QAM	36	0	22.21	22.26	22.22					
15	64QAM	36	20	22.18	22.32	22.18			22.7	3	
15	64QAM	36	39	22.08	22.21	22.25					
15	64QAM	75	0	22.20	22.27	22.14					
15	256QAM	1	0	20.22	20.28	20.16			20.7	5	
15	256QAM	1	37	20.13	20.24	20.18					
15	256QAM	1	74	20.11	20.27	20.22					
15	256QAM	36	0	20.10	20.25	20.16					
15	256QAM	36	20	20.18	20.18	20.16			20.7	5	
15	256QAM	36	39	20.08	20.23	20.12					
15	256QAM	75	0	20.15	20.29	20.11					
Channel Frequency (MHz)											
10	QPSK	1	0	24.02	24.21	24.07					
10	QPSK	1	25	24.07	24.17	24.11			25.7	0	
10	QPSK	1	49	24.07	24.89	24.94	24.85	24.84			
10	QPSK	25	0	24.04	24.02	24.09	23.94	23.85			
10	QPSK	25	12	23.98	24.07	23.88	23.83	23.81			
10	QPSK	25	25	23.99	24.02	24.02	23.88	23.96			
10	QPSK	50	0	24.05	23.94	24.02	23.91	23.82			
10	16QAM	1	0	24.05	24.07	24.03	23.98	23.93			
10	16QAM	1	25	24.02	24.08	24.09	23.83	23.81			
10	16QAM	1	49	24.01	24.04	24.01	23.96	23.93			
10	16QAM	25	0	23.11	23.02	23.03	22.99	22.93			
10	16QAM	25	12	23.03	23.10	23.06	22.86	22.86			
10	16QAM	25	25	22.99	23.00	23.13	22.97	22.85			
10	16QAM	50	0	23.02	23.03	23.07	22.89	22.91			
10	64QAM	1	0	23.02	23.07	23.00	22.92	22.89			
10	64QAM	1	25	22.05	22.08	22.09	21.86	21.91			
10	64QAM	1	49	23.09	23.08	23.05	22.91	22.99			
10	64QAM	25	0	21.97	22.11	22.02	21.91	21.98			
10	64QAM	25	12	22.12	21.98	22.07	22.00	21.82			
10	64QAM	25	25	22.05	22.09	22.09	21.86	21.91			
10	64QAM	50	0	22.03	22.03	22.04	21.85	21.92			
10	256QAM	1	0	20.00	20.09	20.05	19.82	19.83			
10	256QAM	1	25	20.07	20.10	20.10	19.87	19.84			
10	256QAM	1	49	20.08	19.89	20.08	19.91	19.91			
10	256QAM	25	0	20.02	20.03	19.98	19.84	19.93			
10	256QAM	25	12	20.10	19.98	20.06	19.88	19.84			
10	256QAM	25	25	20.11	20.05	20.04	19.83	19.84			
10	256QAM	50	0	20.11	20.01	19.98	19.84	19.86			
Channel Frequency (MHz)											
5	QPSK	1	0	24.83	24.94	24.69	24.80	24.91			
5	QPSK	1	12	24.89	24.92	24.91	24.79	24.80			
5	QPSK	1	24	24.88	24.89	24.98	24.91	24.86			
5	QPSK	12	0	24.07	24.00	24.10	23.97	23.84			
5	QPSK	12	7	23.92	24.02	24.13	23.87	23.88			
5	QPSK	12	13	24.00	24.04	24.08	23.98	23.92			
5	QPSK	25	0	24.05	23.98	24.04	23.91	23.85			
5	16QAM	1	0	23.98	24.03	24.09	23.98	24.00			
5	16QAM	1	12	23.95	23.96	24.01	23.80	23.83			
5	16QAM	1	24	24.07	24.09	24.09	23.92	24.00			
5	16QAM	12	0	23.06	22.93	22.97	22.95	22.89			
5	16QAM	12	7	23.03	23.08	22.96	22.92	22.88			
5	16QAM	12	13	23.10	23.02	23.12	23.00	22.86			
5	16QAM	25	0	23.07	23.04	23.10	22.95	22.92			
5	64QAM	1	0	22.94	23.06	22.99	22.96	22.94			
5	64QAM	1	12	23.07	23.01	23.09	22.97	22.85			
5	64QAM	1	24	23.08	23.05	23.01	22.97	23.01			
5	64QAM	12	0	22.01	22.07	21.96	21.90	21.80			
5	64QAM	12	7	22.13	22.03	22.04	22.01	21.85			
5	64QAM	12	13	22.08	22.04	22.14	21.89	21.88			
5	64QAM	25	0	21.97	22.06	21.93	21.87	21.92			
5	256QAM	1	0	20.00	20.00	19.97	19.83	19.86			
5	256QAM	1	12	20.05	20.03	20.03	19.86	19.88			
5	256QAM	1	24	20.06	20.03	20.13	19.89	19.85			
5	256QAM	12	0	20.06	20.00	20.02	19.83	19.83			
5	256QAM	12	7	20.09	20.02	19.99	19.87	19.82			
5	256QAM	12	13	20.08	19.88	19.88	19.82	19.84			
5	256QAM	25	0	20.08	20.04	19.98	19.81	19.91			

Band 41 Ant5 Default											
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 time (dttm)	MPR (dB)	
Channel Frequency (MHz)											
20	QPSK	1	0	24.94	25.13	24.93					
20	QPSK	1	48	24.95	25.07	24.93			24.9	0	
20	QPSK	1	96	24.91	25.05	24.91					
20	QPSK	50	0	24.16	24.13	24.19					

GSM1900 Ant4 Default							
GSM1900		Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		
Frequency (MHz)		1950.2	1960	1970.8	1950.2	1960	1970.8
GSM 1 Tx slot		27.03	26.92	27.03	28.50	18.03	18.01
GPRS 1 Tx slot		27.11	27.00	27.08	28.50	18.11	18.08
GPRS 2 Tx slot		23.89	24.10	23.75	25.50	17.89	18.10
GPRS 3 Tx slot		22.10	22.17	21.87	23.70	17.84	17.81
GPRS 4 Tx slot		20.83	20.74	20.56	22.50	17.63	17.74
EDGE 1 Tx slot		23.26	23.23	23.27	25.20	14.26	14.23
EDGE 2 Tx slot		20.57	20.52	20.35	22.20	14.57	14.52
EDGE 3 Tx slot		18.78	18.97	18.74	20.40	14.52	14.71
EDGE 4 Tx slot		17.25	17.31	17.22	19.20	14.25	14.31
WCDMA II Ant4 Default							
Band		WCDMA II			WCDMA IV		
TX Channel		9262	9409	9538	Limit		
Rx Channel		9662	9800	9938	1337	1638	1738
Frequency (MHz)		1824.6	1840	1856.6	1724.6	1740.6	1756.6
3GPP Rel 99	AMR 12.2Kbps	20.53	20.80	20.76	22.20	20.00	20.29
3GPP Rel 99	RMC 12.2Kbps	20.66	20.88	20.85	22.20	20.17	20.38
3GPP Rel 6	HSDPA Subtest-1	19.67	19.86	19.84	21.20	19.18	19.29
3GPP Rel 6	HSDPA Subtest-2	19.65	19.81	19.83	21.20	19.14	19.36
3GPP Rel 6	HSDPA Subtest-3	19.17	19.40	19.36	20.70	18.68	18.91
3GPP Rel 6	HSDPA Subtest-4	19.16	19.40	19.33	20.70	18.67	18.93
3GPP Rel 8	DC-HSDPA Subtest-1	19.65	19.85	19.84	21.20	19.15	19.41
3GPP Rel 8	DC-HSDPA Subtest-2	19.65	19.90	19.87	21.20	19.12	19.41
3GPP Rel 8	DC-HSDPA Subtest-3	19.16	19.38	19.35	20.70	18.68	18.90
3GPP Rel 8	DC-HSDPA Subtest-4	19.15	19.37	19.35	20.70	18.67	18.84
3GPP Rel 6	HSUPA Subtest-1	19.66	19.88	19.87	21.20	19.16	19.38
3GPP Rel 6	HSUPA Subtest-2	17.68	17.88	17.83	19.20	17.38	17.32
3GPP Rel 6	HSUPA Subtest-3	18.66	18.89	18.88	20.20	18.15	18.42
3GPP Rel 6	HSUPA Subtest-4	17.67	17.91	17.83	19.20	17.14	17.32
3GPP Rel 6	HSUPA Subtest-5	19.65	19.91	19.87	21.20	19.13	19.39
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.19	17.35	17.38	18.70	16.70	16.84

Band 2 Ant4 Default																
BW (MHz)	Modulation (QAM)	RB Size (KHz)	RB Offset (KHz)	Power Level (Ch./Freq.)	Power Level (Ch./Freq.)	Power Level (Ch./Freq.)	Time up (sec)	MPE (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	21.08	21.17	21.07			22.7	0						
20	QPSK	1	48	21.13	21.13	21.08										
20	QPSK	1	96	21.05	21.13	21.04										
20	QPSK	50	24	20.13	20.31	20.15			21.7	1						
20	QPSK	50	50	20.16	20.27	20.18										
20	QPSK	100	0	20.14	20.27	20.16										
20	16QAM	1	48	20.13	20.23	20.17			21.7	1						
20	16QAM	1	96	20.13	20.25	20.15										
20	16QAM	50	0	19.15	19.25	19.18			20.7	2						
20	16QAM	50	24	19.15	19.22	19.14										
20	16QAM	100	0	19.18	19.24	19.15			20.7	2						
20	16QAM	100	24	19.14	19.23	19.16										
20	64QAM	1	48	19.14	19.26	19.17			20.7	2						
20	64QAM	1	96	19.15	19.22	19.18										
20	64QAM	50	0	18.18	18.25	18.16			19.7	3						
20	64QAM	50	24	18.14	18.25	18.14										
20	64QAM	100	0	18.18	18.24	18.15			17.7	5						
20	64QAM	100	24	18.17	18.21	18.14										
20	256QAM	1	48	18.17	18.26	18.17			17.7	5						
20	256QAM	1	96	18.14	18.26	18.13										
20	256QAM	50	0	18.15	18.23	18.13			17.7	5						
20	256QAM	50	24	18.19	18.22	18.18										
20	256QAM	100	0	18.16	18.26	18.16			17.7	5						
20	256QAM	100	24	18.22	18.24	18.19										
Channel																
Frequency (MHz)																
15	QPSK	1	0	21.00	21.02	20.97			22.7	0						
15	QPSK	1	37	21.05	21.08	20.98										
15	QPSK	1	74	20.95	21.01	20.97			21.7	1						
15	QPSK	36	0	20.99	20.18	20.92										
15	QPSK	36	25	20.15	20.17	20.08			21.7	1						
15	QPSK	36	36	20.06	20.14	20.00										
15	QPSK	75	0	20.08	20.15	20.01			21.7	1						
15	QPSK	75	0	20.12	20.12	20.04										
15	16QAM	1	37	20.07	20.18	20.03			21.7	1						
15	16QAM	1	74	20.05	20.16	20.03										
15	16QAM	36	0	19.05	19.15	19.14			20.7	2						
15	16QAM	36	25	19.14	19.07	19.02										
15	16QAM	75	0	19.05	19.09	19.01			20.7	2						
15	16QAM	75	0	19.05	19.17	19.05										
15	16QAM	1	37	19.05	19.16	19.03			20.7	2						
15	16QAM	1	74	19.11	19.17	19.04										
15	16QAM	36	0	18.06	18.16	18.03			19.7	3						
15	16QAM	36	25	18.05	18.06	18.03										
15	16QAM	75	0	18.07	18.15	18.03			17.7	5						
15	16QAM	75	0	18.03	18.14	17.97										
15	256QAM	1	37	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00			17.7	5						
15	256QAM	1	74	18.05	18.07	18.00										
15	256QAM	1	74	18.05	18.07	18.00										

Band 66 Ant4 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Modulo Ch / Freq	Power High Ch / Freq	Tune-up Int. (sec)	MPR (dB)				
Channel 130072 130102 130132 130162												
Frequency (MHz)												
20	QPSK	1	0	21.80	21.87	21.83	23	0				
20	QPSK	1	40	21.72	21.83	21.79						
20	QPSK	1	96	21.76	21.81	21.79						
20	QPSK	50	0	20.81	20.89	20.86	22	1				
20	QPSK	50	24	20.74	20.88	20.80						
20	QPSK	50	50	20.72	20.83	20.84						
20	QPSK	100	0	20.83	20.87	20.81	22	1				
20	HQDM	1	0	20.75	20.84	20.88						
20	HQDM	1	40	20.72	20.77	20.81						
20	HQDM	1	96	20.75	20.81	20.84	22	1				
20	HQDM	50	0	19.80	19.86	19.81						
20	HQDM	50	24	19.71	19.88	19.75						
20	HQDM	50	50	19.74	19.79	19.85	21	2				
20	HQDM	100	0	19.75	19.89	19.83						
20	HQDM	1	0	19.77	19.85	19.93						
20	HQDM	1	40	19.72	19.72	19.84	21	2				
20	HQDM	1	96	19.89	19.77	19.87						
20	HQDM	50	24	18.70	18.85	18.79						
20	HQDM	50	50	18.74	18.81	18.81	20	3				
20	HQDM	100	0	18.84	18.88	18.81						
20	SSQAM	1	0	16.77	16.86	16.80						
20	SSQAM	1	40	16.79	16.85	16.78	18	5				
20	SSQAM	1	96	16.70	16.83	16.88						
20	SSQAM	36	0	16.80	16.85	16.82						
20	SSQAM	50	24	16.77	16.79	16.82	18	5				
20	SSQAM	50	50	16.72	16.82	16.77						
20	SSQAM	100	0	16.75	16.83	16.83						
Channel 130467 130502 130537												
Frequency (MHz)												
16	QPSK	1	0	21.72	21.83	21.77	23	0				
16	QPSK	1	37	21.63	21.77	21.78						
16	QPSK	1	74	21.71	21.76	21.74						
16	QPSK	36	0	20.76	20.79	20.83	22	1				
16	QPSK	36	20	20.64	20.85	20.68						
16	QPSK	36	36	20.66	20.73	20.73						
16	QPSK	75	0	20.70	20.84	20.78	22	1				
16	HQDM	1	0	20.70	20.75	20.78						
16	HQDM	1	37	20.58	20.64	20.78						
16	HQDM	1	74	20.63	20.70	20.72	21	2				
16	HQDM	36	0	19.71	19.75	19.83						
16	HQDM	36	20	19.68	19.88	19.87						
16	HQDM	36	36	19.62	19.72	19.72	21	2				
16	HQDM	75	0	19.76	19.76	19.78						
16	HQDM	1	0	19.67	19.82	19.83						
16	HQDM	1	37	19.69	19.76	19.74	20	3				
16	HQDM	1	74	19.61	19.83	19.75						
16	HQDM	36	0	18.75	18.86	18.89						
16	HQDM	36	20	18.62	18.77	18.74	18	5				
16	HQDM	36	36	18.65	18.69	18.75						
16	HQDM	75	0	18.77	18.76	18.78						
16	SSQAM	1	0	16.74	16.77	16.88	18	5				
16	SSQAM	1	37	16.70	16.75	16.88						
16	SSQAM	1	74	16.61	16.77	16.76						
16	SSQAM	36	0	16.76	16.73	16.78	18	5				
16	SSQAM	36	20	16.83	16.69	16.77						
16	SSQAM	36	36	16.80	16.75	16.74						
16	SSQAM	75	0	16.68	16.73	16.75	18	5				
Channel 130929 130962 130994												
Frequency (MHz)												
20	QPSK	1	0	21.68	21.79	21.71	23	0				
20	QPSK	1	25	21.68	21.76	21.77						
20	QPSK	1	40	21.73	21.74	21.88						
20	QPSK	25	0	20.78	20.83	20.77	22	1				
20	QPSK	25	12	20.60	20.85	20.68						
20	QPSK	25	25	20.63	20.76	20.71						
20	QPSK	50	0	20.71	20.76	20.72	22	1				
20	HQDM	1	0	20.65	20.73	20.76						
20	HQDM	1	25	20.63	20.72	20.69						
20	HQDM	1	40	20.62	20.87	20.69	21	2				
20	HQDM	25	0	19.75	19.79	19.85						
20	HQDM	25	12	19.67	19.79	19.68						
20	HQDM	25	25	19.71	19.73	19.73	20	3				
20	HQDM	50	0	19.70	19.88	19.74						
20	HQDM	1	0	19.73	19.78	19.85						
20	HQDM	1	25	19.63	19.87	19.70	21	2				
20	HQDM	1	40	19.65	19.71	19.75						
20	HQDM	25	0	18.80	18.88	18.74						
20	HQDM	25	12	18.65	18.78	18.67	20	3				
20	HQDM	25	25	18.69	18.76	18.72						
20	HQDM	50	0	18.81	18.77	18.75						
20	SSQAM	1	0	16.64	16.75	16.81	18	5				
20	SSQAM	1	25	16.71	16.81	16.74						
20	SSQAM	1	40	16.68	16.71	16.76						
20	SSQAM	25	0	16.74	16.75	16.68	18	5				
20	SSQAM	25	12	16.64	16.72	16.70						
20	SSQAM	25	25	16.65	16.76	16.71						
20	SSQAM	50	0	16.62	16.79	16.78	18	5				
Channel 131997 132032 132067												
Frequency (MHz)												
8	QPSK	1	0	21.72	21.84	21.71	23	0				
8	QPSK	1	12	21.60	21.72	21.65						
8	QPSK	1	24	21.73	21.73	21.74						
8	QPSK	12	0	20.68	20.84	20.75	22	1				
8	QPSK	12	7	20.64	20.77	20.71						
8	QPSK	12	13	20.67	20.78	20.71						
8	QPSK	24	0	20.70	20.74	20.78	22	1				
8	HQDM	1	0	20.72	20.81	20.75						
8	HQDM	1	12	20.70	20.84	20.75						
8	HQDM	1	24	20.63	20.78	20.78	21	2				
8	HQDM	12	0	19.72	19.79	19.85						
8	HQDM	12	7	19.60	19.83	19.69						
8	HQDM	12	13	19.68	19.74	19.67	21	2				
8	HQDM	25	0	19.64	19.83	19.78						
8	HQDM	1	0	19.67	19.72	19.83						
8	HQDM	1	12	19.69	19.59	19.70	20	3				
8	HQDM	1	24	19.62	19.85	19.75						
8	HQDM	12	0	18.78	18.77	18.70						
8	HQDM	12	7	18.60	18.78	18.69	18	5				
8	HQDM	12	13	18.62	18.76	18.69						
8	HQDM	25	0	18.73	18.83	18.79						
8	SSQAM	1	0	16.72	16.74	16.72	18	5				
8	SSQAM	1	12	16.74	16.79	16.68						
8	SSQAM	1	24	16.68	16.76	16.62						
8	SSQAM	12	0	16.74	16.73	16.74	18	5				
8	SSQAM	12	7	16.69	16.69	16.78						
8	SSQAM	12	13	16.83	16.72	16.72						
8	SSQAM	25	0	16.60	16.72	16.79	18	5				
Channel 131997 132032 132067												
Frequency (MHz)												
8	QPSK	1	0	21.72	21.84	21.71	23	0				
8	QPSK	1	8	21.64	21.71	21.74						
8	QPSK	1	14	21.71	21.75	21.73						
8	QPSK	8	0	20.71	20.78	20.74	22	1				
8	QPSK	8	4	20.68	20.83	20.70						
8	QPSK	8	7	20.64	20.77	20.71	22	1				
8	QPSK	16	0	20.69	20.84	20.73						
8	HQDM	1	0	20.70	20.80	20.86						
8	HQDM	1	8	20.67	20.79	20.86	22	1				
8	HQDM	1	14	20.68	20.77	20.81						
8	HQDM	8	0	19.68	19.82	19.88						
8	HQDM	8	4	19.67	19.84	19.84	21	2				
8	HQDM	8	7	19.72	19.71	19.86						
8	HQDM	16	0	19.64	19.87	19.72						
8	HQDM	16	8	19.69	19.77	19.80	21	2				
8	HQDM	1	0	19.61	19.89	19.74						
8	HQDM	1	14	19.63	19.76	19.77						
8	HQDM	8	0	18.81	18.82	19.72	20	3				
8	HQDM	8	4	18.78	18.81	18.76						
8	HQDM	8	7	18.79	18.80	18.77						
8	HQDM	16	0	18.75	18.74	18.68	18	5				
8	SSQAM	1	0	16.75	16.85	16.76						
8	SSQAM	1	8	16.67	16.87	16.77						
8	SSQAM	1	14	16.65	16.77	16.77	18	5				
8	SSQAM	8	0	16.86	16.77	16.78						
8	SSQAM	8	4	16.82	16.76	16.74						
8	SSQAM	8	7	16.88	16.70	16.68	18	5				
8	SSQAM	16	0	16.69	16.70	16.75						
8	SSQAM	16	8	16.67	16.70	16.75						

Band 38 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [ms]	MPE [dB]		
Channel										
Frequency (MHz)				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	23.39	23.40	23.37				
20	QPSK	1	49	23.29	23.37	23.33	24.7	0		
20	QPSK	1	99	23.27	23.35	23.29				
20	QPSK	50	0	22.43	22.46	22.40				
20	QPSK	50	24	22.33	22.41	22.29	23.7	1		
20	QPSK	50	50	22.32	22.31	22.25				
20	QPSK	100	0	22.35	22.43	22.40				
20	16QAM	1	0	22.37	22.40	22.36				
20	16QAM	1	49	22.29	22.31	22.29	23.7	1		
20	16QAM	1	99	22.32	22.36	22.34				
20	16QAM	50	0	21.40	21.43	21.39				
20	16QAM	50	24	21.35	21.36	21.32	22.7	2		
20	16QAM	50	50	21.33	21.33	21.24				
20	16QAM	100	0	21.38	21.46	21.43				
20	16QAM	1	0	21.38	21.35	21.30				
20	16QAM	1	49	21.25	21.35	21.30	22.7	2		
20	16QAM	1	99	21.34	21.42	21.32				
20	16QAM	50	0	20.39	20.41	20.37				
20	16QAM	50	24	20.27	20.36	20.30	21.7	3		
20	16QAM	50	50	20.31	20.28	20.24				
20	16QAM	100	0	20.32	20.44	20.39				
20	256QAM	1	0	18.48	18.46	18.43				
20	256QAM	1	49	18.30	18.43	18.29	19.7	5		
20	256QAM	1	99	18.33	18.36	18.19				
20	256QAM	50	0	18.32	18.46	18.36				
20	256QAM	50	24	18.39	18.37	18.36	19.7	5		
20	256QAM	50	50	18.31	18.34	18.25				
20	256QAM	100	0	18.34	18.41	18.36				
Channel				37775	38000	38225				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.36	23.31	23.23				
15	QPSK	1	37	23.17	23.27	23.23	24.7	0		
15	QPSK	1	74	23.35	23.27	23.21				
15	QPSK	36	0	22.31	22.38	22.34				
15	QPSK	36	20	22.20	22.37	22.21	23.7	1		
15	QPSK	36	39	22.26	22.25	22.11				
15	QPSK	75	0	22.30	22.36	22.27				
15	16QAM	1	0	22.34	22.37	22.29				
15	16QAM	1	37	22.18	22.19	22.23	23.7	1		
15	16QAM	1	74	22.27	22.25	22.32				
15	16QAM	36	0	21.38	21.30	21.34				
15	16QAM	36	20	21.34	21.29	21.21	22.7	2		
15	16QAM	36	39	21.30	21.23	21.19				
15	16QAM	75	0	21.30	21.42	21.41				
15	16QAM	1	0	21.25	21.25	21.20				
15	16QAM	1	37	21.12	21.29	21.21	22.7	2		
15	16QAM	74	74	21.30	21.28	21.24				
15	16QAM	36	0	20.28	20.35	20.23				
15	16QAM	36	20	20.20	20.32	20.18	21.7	3		
15	16QAM	36	39	20.24	20.22	20.21				
15	16QAM	75	0	18.31	18.23	18.24				
15	256QAM	1	0	18.44	18.36	18.36				
15	256QAM	1	37	18.19	18.38	18.22	19.7	5		
15	256QAM	1	74	18.10	18.31	18.12				
15	256QAM	36	0	18.29	18.37	18.26				
15	256QAM	36	20	18.31	18.23	18.24	19.7	5		
15	256QAM	36	39	18.24	18.20	18.12				
15	256QAM	75	0	18.27	18.31	18.24				
Channel				37800	38000	38200				
Frequency (MHz)				2578	2595	2612				
10	QPSK	1	0	23.35	23.37	23.35				
10	QPSK	1	25	23.16	23.33	23.29	24.7	0		
10	QPSK	1	49	23.20	23.33	23.17				
10	QPSK	25	0	22.31	22.34	22.34				
10	QPSK	25	12	22.30	22.34	22.25	23.7	1		
10	QPSK	25	25	22.24	22.26	22.17				
10	QPSK	50	0	22.27	22.36	22.29				
10	16QAM	1	0	22.31	22.37	22.29				
10	16QAM	1	49	22.29	22.34	22.31	23.7	1		
10	16QAM	1	99	22.29	22.34	22.31				
10	16QAM	25	0	21.27	21.34	21.26				
10	16QAM	25	12	21.27	21.24	21.26	22.7	2		
10	16QAM	25	25	21.20	21.22	21.19				
10	16QAM	50	0	21.30	21.36	21.38				
10	16QAM	1	0	21.24	21.29	21.23				
10	16QAM	1	25	21.12	21.27	21.23	22.7	2		
10	16QAM	1	49	21.27	21.31	21.24				
10	16QAM	25	0	20.36	20.36	20.26				
10	16QAM	25	12	20.22	20.27	20.24	21.7	3		
10	16QAM	25	25	20.24	20.23	20.17				
10	16QAM	50	0	20.24	20.41	20.29				
10	256QAM	1	0	18.35	18.34	18.33	19.7	5		
10	256QAM	1	25	18.21	18.35	18.22				
10	256QAM	1	49	18.29	18.31	18.14				
10	256QAM	25	0	18.20	18.37	18.26				
10	256QAM	25	12	18.29	18.25	18.30	19.7	5		
10	256QAM	25	25	18.28	18.27	18.20				
10	256QAM	50	0	18.31	18.37	18.29				
Channel				37775	38000	38225				
Frequency (MHz)				2577.5	2595	2612.5				
5	QPSK	1	0	23.28	23.36	23.33				
5	QPSK	1	12	23.18	23.29	23.28	24.7	0		
5	QPSK	1	24	23.16	23.22	23.21				
5	QPSK	12	0	22.33	22.35	22.35				
5	QPSK	12	7	22.25	22.36	22.19	23.7	1		
5	QPSK	12	13	22.30	22.26	22.21				
5	QPSK	25	0	22.21	22.31	22.31				
5	16QAM	1	0	22.31	22.33	22.30				
5	16QAM	1	12	22.24	22.28	22.26	23.7	1		
5	16QAM	1	24	22.24	22.36	22.24				
5	16QAM	12	0	21.33	21.32	21.33				
5	16QAM	12	7	21.22	21.28	21.21	22.7	2		
5	16QAM	12	13	21.26	21.21	21.13				
5	16QAM	25	0	21.29	21.40	21.29				
5	16QAM	1	0	21.26	21.26	21.27				
5	16QAM	1	12	21.20	21.22	21.18	22.7	2		
5	16QAM	1	24	21.26	21.37	21.18				
5	16QAM	12	0	20.27	20.33	20.28				
5	16QAM	12	7	20.21	20.37	20.18	21.7	3		
5	16QAM	12	13	20.19	20.14	20.17				
5	16QAM	25	0	20.23	20.34	20.34				
5	256QAM	1	0	18.39	18.39	18.29				
5	256QAM	1	12	18.27	18.38	18.22	19.7	5		
5	256QAM	1	24	18.25	18.23	18.09				
5	256QAM	12	0	18.25	18.37	18.31				
5	256QAM	12	7	18.28	18.24	18.32	19.7	5		
5	256QAM	12	13	18.24	18.25	18.22				
5	256QAM	25	0	18.29	18.33	18.27				

Band 41 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up time [ms]	MPE (dB)
Channel										
Frequency (MHz)				38750	40185	40620	41055	41490		
				2590	2549.5	2593	2636.5	2690		
20	QPSK	1	0	23.42	23.39	23.43	23.27	23.23		
20	QPSK	1	49	23.37	23.37	23.40	23.16	23.21	24.7	0
20	QPSK	1	99	23.28	23.36	23.37	23.20	23.20		
20	QPSK	50	0	22.38	22.44	22.46	22.23	22.31		
20	QPSK	50	24	22.41	22.39	22.36	22.18	22.19	23.7	1
20	QPSK	50	50	22.43	22.40	22.32	22.22	22.14		
20	QPSK	100	0	22.41	22.34	22.42	22.32	22.34		
20	16QAM	1	0	22.38	22.43	22.39	22.27	22.30		
20	16QAM	1	49	22.40	22.41	22.40	22.13	22.25	23.7	1
20	16QAM	1	99	22.45	22.44	22.42	22.19	22.25		
20	16QAM	50	0	21.35	21.44	21.51	21.17	21.27		
20	16QAM	50	24	21.48	21.34	21.33	21.12	21.21	22.7	2
20	16QAM	50	50	21.46	21.44	21.31	21.23	21.20		
20	16QAM	100	0	21.47	21.33	21.42	21.34	21.32		
20	16QAM	1	0	21.42	21.41	21.36	21.21	21.33		
20	16QAM	1	49	21.44	21.42	21.40	21.12	21.21	22.7	1
20	16QAM	1	99	21.37	21.35	21.30	21.18	21.22		
20	16QAM	50	0	20.42	20.43	20.43	20.24	20.27		
20	16QAM	50	24	20.40	20.34	20.37	20.15	20.16	21.7	3
20	16QAM	50	50	20.43	20.41	20.27	20.17	20.16		
20	16QAM	100	0	20.30	20.31	20.31	20.30	20.37		
20	25QAM	1	0	18.36	18.50	18.46	18.21	18.36	19.7	5
20	25QAM	1	49	18.45	18.44	18.31	18.23	18.14		
20	25QAM	1	99	18.38	18.38	18.37	18.23	18.09		
20	25QAM	50	0	18.38	18.39	18.39	18.24	18.30	21.7	3
20	25QAM	50	24	18.34	18.47	18.42	18.33	18.30		
20	25QAM	50	50	18.40	18.47	18.34	18.18	18.19	19.7	5
20	25QAM	100	0	18.48	18.42	18.33	18.19	18.21		
Frequency (MHz)				2503.5	2548.3	2593	2637.6	2692.5	time up [ms]	MPE (dB)
15	QPSK	1	0	23.32	23.33	23.41	23.24	23.24		
15	QPSK	1	37	23.32	23.36	23.38	23.03	23.19	25	0
15	QPSK	1	74	23.26	23.37	23.34	23.12	23.28		
15	QPSK	36	0	22.33	22.33	22.37	22.14	22.18		
15	QPSK	36	20	22.37	22.32	22.23	22.07	22.17		
15	QPSK	36	36	22.30	22.27	22.28	22.18	22.22	23.7	1
15	QPSK	75	0	22.36	22.22	22.22	22.21	22.26		
15	16QAM	1	0	22.32	22.32	22.37	22.14	22.28		
15	16QAM	1	37	22.37	22.39	22.37	22.02	22.29	21.7	1
15	16QAM	1	74	22.30	22.37	22.19	22.10	22.19		
15	16QAM	36	0	21.21	21.31	21.45	21.06	21.22		
15	16QAM	36	20	21.25	21.32	21.30	21.02	21.18	22.7	2
15	16QAM	36	36	21.41	21.32	21.20	21.12	20.95		
15	16QAM	75	0	21.37	21.23	21.32	21.31	21.24		
15	16QAM	1	0	21.33	21.31	21.27	21.11	21.24		
15	16QAM	1	37	21.35	21.37	21.36	21.05	21.21	21.7	2
15	16QAM	1	74	21.31	21.32	21.31	21.04	21.09		
15	16QAM	36	0	20.40	20.32	20.36	20.19	20.23		
15	16QAM	36	20	20.29	20.21	20.27	20.02	20.23	21.7	3
15	16QAM	36	36	20.37	20.28	20.18	20.13	20.03		
15	16QAM	75	0	20.36	20.30	20.27	20.25	20.17		
15	25QAM	1	0	18.28	18.41	18.38	18.14	18.24		
15	25QAM	1	37	18.41	18.38	18.21	18.18	18.06		
15	25QAM	1	74	18.28	18.29	18.29	18.10	17.95		
15	25QAM	50	0	18.33	18.33	18.28	18.21	18.16		
15	25QAM	50	24	18.32	18.38	18.34	18.23	18.23	19.7	5
15	25QAM	50	36	18.31	18.36	18.23	18.16	18.09		
15	25QAM	75	0	18.41	18.38	18.28	18.16	18.19		
Channel										
Frequency (MHz)				39700	40160	40620	41098	41540	time up [ms]	MPE (dB)
				2647	2647	2688	2733.5	2780		
10	QPSK	1	0	23.38	23.34	23.32	23.15	23.24		
10	QPSK	1	25	23.31	23.31	23.33	23.11	23.11	25	0
10	QPSK	1	49	23.31	23.30	23.31	23.12	23.14		
10	QPSK	1	74	22.32	22.32	22.32	22.14	22.14		
10	QPSK	25	12	22.29	22.26	22.23	22.06	22.12	23.7	1
10	QPSK	25	25	22.25	22.26	22.19	22.10	22.04		
10	QPSK	50	0	22.29	22.26	22.31	22.13	22.24		
10	16QAM	1	0	22.27	22.37	22.27	22.16	22.25	23.7	1
10	16QAM	1	25	22.28	22.31	22.28	22.15	22.15		
10	16QAM	1	49	22.40	22.31	22.28	22.15	22.19		
10	16QAM	25	0	21.29	21.35	21.37	21.09	21.30		
10	16QAM	25	12	21.41	21.30	21.30	21.04	21.28	22.7	2
10	16QAM	25	25	21.44	21.34	21.33	21.07	21.30		
10	16QAM	50	0	21.35	21.19	21.33	21.31	21.30		
10	16QAM	1	0	21.38	21.28	21.23	21.15	21.21	22.7	2
10	16QAM	1	25	21.39	21.38	21.36	21.03	21.15		
10	16QAM	1	49	21.33	21.08	21.16	21.04	21.09		
10	16QAM	25	0	20.29	20.29	20.29	20.13	20.13	21.7	3
10	16QAM	25	12	20.29	20.25	20.32	20.01	20.07		
10	16QAM	25	25	20.36	20.35	20.15	20.09	20.09		
10	16QAM	50	0	20.29	20.18	20.33	20.20	20.26		
10	16QAM	1	0	18.34	18.37	18.45	18.15	18.23		
10	25QAM	1	25	18.32	18.33	18.23	18.15	18.06	19.7	5
10	25QAM	1	49	18.29	18.28	18.24	18.11	18.06		
10	25QAM	25	0	18.39	18.34	18.28	18.26	18.19		
10	25QAM	25	12	18.35	18.34	18.26	18.15	18.06		
10	25QAM	25	25	18.36	18.35	18.33	18.16	18.11	19.7	5
10	25QAM	50	0	18.44	18.34	18.22	18.14	18.16		
Channel										
Frequency (MHz)				39675	40146	40620	41098	41565	time up [ms]	MPE (dB)
				2690	2690	2730	2780	2830		
5	QPSK	1	0	23.38	23.38	23.37	23.24	23.26		
5	QPSK	1	12	23.33	23.34	23.37	23.07	23.09	25	0
5	QPSK	1	24	23.25	23.29	23.26	23.17	23.26		
5	QPSK	12	0	22.29	22.41	22.33	22.14	22.24		
5	QPSK	12	12	22.31	22.31	22.31	22.15	22.15	23.7	1
5	QPSK	12	13	22.30	22.27	22.27	22.09	22.03		
5	QPSK	25	0	22.35	22.23	22.38	22.25	22.24		
5	16QAM	1	0	22.35	22.41	22.30	22.22	22.24		
5	16QAM	1	12	22.28	22.33	22.28	22.07	22.16	23.7	1
5	16QAM	1	24	22.28	22.38	22.32	22.15	22.22		
5	16QAM	12	0	21.28	21.33	21.41	21.13	21.32		
5	16QAM	12	7	21.39	21.30	21.20	21.04	21.14	22.7	2
5	16QAM	12	13	21.44	21.32	21.24	21.13	20.97		
5	16QAM	25	0	21.38	21.38	21.38	21.25	21.26		
5	16QAM	1	0	21.38	21.33	21.32	21.12	21.19	22.7	2
5	16QAM	1	12	21.33	21.30	21.26	21.01	21.19		
5	16QAM	1	24	20.37	20.34	20.24	20.14	20.18		
5	16QAM	12	7	20.27	20.24	20.23	20.01	20.18	21.7	3
5	16QAM	12	13	20.34	20.29	20.18	20.14	20.08		
5	25QAM	1	0	20.33	20.23	20.33	20.28	20.33		
5	25QAM	1	12	18.26	18.40	18.42	18.12	18.26		
5	25QAM	12	0	18.39	18.39	18.39	18.15	18.04	19.7	5
5	25QAM	1	24	18.29	18.34	18.26	18.20	17.97		
5	25QAM	12	0	18.30	18.31	18.30	18.17	18.17		
5	25QAM	12	7	18.25	18.44	18.29	18.22	18.26	19.7	5
5	25QAM	12	13	18.33	18.33	18.32	18.20	18.20		
5	25QAM	25	0	18.41	18.28	18.22	18.14	18.17		

Band	WCDMA II AntB Default				WCDMA IV AntB Default				
	TX Channel	9082	9400	9538	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)
Frequency (MHz)									
1862.4 1869 1907.6									
1722.4 1732.6 1752.6									
3GPP Rel 99	AMR 12.2Kbps	22.00	22.11	22.01	23.30	21.44	21.44	21.34	22.90
3GPP Rel 99	RMC 12.2Kbps	22.13	22.16	22.02	23.30	21.44	21.54	21.47	
3GPP Rel 6	HSDPA Subtest-1	21.23	21.08	21.11	22.30	20.54	20.47	20.52	21.80
3GPP Rel 6	HSDPA Subtest-2	21.09	21.10	21.10	22.30	20.43	20.54	20.45	21.90
3GPP Rel 6	HSDPA Subtest-3	20.59	20.66	20.58	21.80	19.99	19.98	19.92	21.40
3GPP Rel 6	HSDPA Subtest-4	20.57	20.66	20.56	21.80	19.99	20.06	19.99	21.40
3GPP Rel 8	DC-HSPA Subtest-1	21.18	21.15	21.07	22.30	20.48	20.50	20.40	21.90
3GPP Rel 8	DC-HSPA Subtest-2	21.12	21.10	21.10	22.30	20.50	20.49	20.46	21.90
3GPP Rel 8	DC-HSPA Subtest-3	20.51	20.69	20.67	21.80	19.82	20.02	19.97	21.40
3GPP Rel 8	DC-HSPA Subtest-4	20.64	20.61	20.52	21.80	19.93	19.96	19.82	21.40
3GPP Rel 6	HSPA Subtest-1	21.13	21.07	21.05	22.30	20.49	20.42	20.46	
3GPP Rel 6	HSPA Subtest-2	19.21	19.16	19.09	20.30	18.51	18.55	18.39	20.90
3GPP Rel 6	HSPA Subtest-3	20.11	20.07	20.05	21.30	19.49	19.46	19.26	20.50
3GPP Rel 6	HSPA Subtest-4	19.16	19.21	19.09	20.30	18.49	18.53	18.42	20.50
3GPP Rel 6	HSPA Subtest-5	21.06	21.05	21.03	22.30	20.41	20.43	20.34	21.50
3GPP Rel 7	HSPA+ (MGM) Subtest-1	18.67	18.69	18.57	19.85	17.97	18.04	17.92	19.40

Band 2 Ant6 Default									
BW (MHz)	Modulat	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	Ant6 (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.27	22.47	22.50			
20	QPSK	1	8	22.15	22.34	22.37	23.8	0	
20	QPSK	1	96	22.16	22.28	22.17			
20	QPSK	50	0	21.25	21.35	21.29			
20	QPSK	50	24	21.23	21.32	21.32	22.8	1	
20	QPSK	50	21.24	21.30	21.24				
20	QPSK	100	0	21.31	21.35	21.29			
20	QPSK	100	0	21.24	21.41	21.30			
20	16QAM	1	49	21.25	21.43	21.24	23.8	1	
20	16QAM	1	99	21.31	21.37	21.27			
20	16QAM	50	0	20.29	20.37	20.29			
20	16QAM	50	24	20.31	20.40	20.33	21.8	2	
20	16QAM	50	50	20.26	20.36	20.31			
20	16QAM	100	0	20.22	20.42	20.28			
20	16QAM	1	0	20.25	20.46	20.30	21.8	2	
20	16QAM	1	49	20.23	20.46	20.25			
20	16QAM	1	99	20.26	20.44	20.27			
20	16QAM	50	0	19.25	19.27	19.30			
20	16QAM	50	24	19.32	19.41	19.31	20.8	3	
20	16QAM	50	50	19.26	19.41	19.28			
20	16QAM	100	0	19.23	19.39	19.27			
20	256QAM	1	0	17.26	17.30	17.36			
20	256QAM	1	49	17.21	17.38	17.28	18.8	5	
20	256QAM	1	99	17.30	17.37	17.28			
20	256QAM	50	0	17.26	17.32	17.36			
20	256QAM	50	24	17.25	17.43	17.32	18.8	5	
20	256QAM	50	50	17.25	17.44	17.25			
20	256QAM	100	0	17.23	17.39	17.27			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.20	22.26	22.16			
15	QPSK	1	8	22.07	22.24	22.07	23.8	0	
15	QPSK	1	74	22.07	22.19	22.02			
15	QPSK	36	0	21.09	21.24	21.22			
15	QPSK	36	20	21.16	21.30	21.18	22.8	1	
15	QPSK	36	36	21.19	21.24	21.09			
15	16QAM	1	0	21.19	21.23	21.23			
15	16QAM	1	0	21.11	21.32	21.19	22.8	1	
15	16QAM	1	37	21.15	21.32	21.20			
15	16QAM	1	74	21.22	21.24	21.22			
15	16QAM	36	0	20.17	20.24	20.20			
15	16QAM	36	20	20.20	20.27	20.25	21.8	2	
15	16QAM	36	36	20.17	20.37	20.22			
15	16QAM	75	0	20.17	20.37	20.22			
15	16QAM	1	0	20.16	20.35	20.15	21.8	2	
15	16QAM	1	37	20.15	20.35	20.15			
15	16QAM	1	74	20.22	20.37	20.14			
15	16QAM	36	0	19.14	19.30	19.20			
15	16QAM	36	20	19.25	19.32	19.27	20.8	3	
15	16QAM	36	36	19.15	19.25	19.19			
15	16QAM	75	0	19.16	19.31	19.21			
15	256QAM	1	0	17.23	17.29	17.33			
15	256QAM	1	37	17.14	17.34	17.20	18.8	5	
15	256QAM	1	74	17.20	17.25	17.20			
15	256QAM	36	0	17.20	17.26	17.26			
15	256QAM	36	20	17.15	17.41	17.26	18.8	5	
15	256QAM	36	36	17.15	17.29	17.12			
15	256QAM	75	0	17.07	17.21	17.21			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.12	22.13	22.18			
5	QPSK	1	26	22.06	22.24	22.15	23.8	0	
5	QPSK	1	49	22.03	22.21	22.06			
5	QPSK	25	0	21.18	21.29	21.29			
5	QPSK	25	12	21.27	21.27	21.22	22.8	1	
5	QPSK	25	25	21.19	21.26	21.12			
5	16QAM	1	0	21.14	21.29	21.21			
5	16QAM	1	25	21.16	21.37	21.21	22.8	1	
5	16QAM	1	49	21.15	21.36	21.15			
5	16QAM	25	0	20.15	20.27	20.16			
5	16QAM	25	12	20.21	20.31	20.17	21.8	2	
5	16QAM	25	25	20.21	20.33	20.22			
5	16QAM	50	0	20.16	20.31	20.21			
5	16QAM	1	0	20.11	20.41	20.20	21.8	2	
5	16QAM	1	49	20.13	20.33	20.12			
5	16QAM	1	49	20.17	20.30	20.13			
5	16QAM	25	0	19.19	19.26	19.17			
5	16QAM	25	12	19.24	19.31	19.21	20.8	3	
5	16QAM	25	25	19.14	19.30	19.13			
5	16QAM	50	0	19.09	19.24	19.20			
5	256QAM	1	0	17.15	17.25	17.25			
5	256QAM	1	25	17.11	17.30	17.19	18.8	5	
5	256QAM	1	49	17.23	17.27	17.19			
5	256QAM	25	0	17.15	17.33	17.16			
5	256QAM	25	12	17.13	17.29	17.25	18.8	5	
5	256QAM	25	25	17.16	17.40	17.12			
5	256QAM	50	0	17.08	17.27	17.21			
Channel									
Frequency (MHz)									
1	QPSK	1	0	22.12	22.17	22.19			
1	QPSK	1	8	22.07	22.26	22.14	23.8	0	
1	QPSK	1	14	22.04	22.16	22.12			
1	QPSK	8	0	21.16	21.31	21.16			
1	QPSK	8	4	21.08	21.27	21.19	22.8	1	
1	QPSK	8	7	21.13	21.19	21.18			
1	QPSK	16	0	21.20	21.36	21.17			
1	16QAM	1	0	21.10	21.31	21.20	22.8	1	
1	16QAM	1	8	21.18	21.38	21.14			
1	16QAM	1	14	21.25	21.34	21.15			
1	16QAM	8	0	20.17	20.25	20.21			
1	16QAM	8	4	20.17	20.25	20.23	21.8	2	
1	16QAM	8	7	20.11	20.27	20.24			
1	16QAM	16	0	20.22	20.33	20.20			
1	16QAM	1	0	20.13	20.35	20.21	21.8	2	
1	16QAM	1	8	20.09	20.37	20.18			
1	16QAM	1	14	20.20	20.32	20.23			
1	16QAM	8	0	19.23	19.25	19.25			
1	16QAM	8	4	19.16	19.36	19.18	20.8	3	
1	16QAM	8	7	19.20	19.37	19.17			
1	256QAM	1	0	17.18	17.24	17.32			
1	256QAM	1	8	17.14	17.23	17.16	18.8	5	
1	256QAM	1	14	17.15	17.30	17.15			
1	256QAM	8	0	17.08	17.28	17.19			
1	256QAM	8	4	17.17	17.38	17.16	18.8	5	
1	256QAM	8	7	17.16	17.37	17.12			
1	256QAM	16	0	17.13	17.22	17.25			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.11	22.34	22.15			
1.4	QPSK	1	3	22.22	22.26	22.21	23.8	0	
1.4	QPSK	1	0	22.16	22.25	22.15			
1.4	QPSK	3	0	22.15	22.26	22.25			
1.4	QPSK	3	1	22.22	22.25	22.15			
1.4	QPSK	3	0	22.13	22.26	22.15	22.8	1	
1.4	QPSK	3	0	21.28	21.48	21.33			
1.4	16QAM	1	0	21.27	21.42	21.33			
1.4	16QAM	1	3	21.25	21.44	21.38	22.8	1	
1.4	16QAM	1	0	21.23	21.42	21.28			
1.4	16QAM	3	0	21.29	21.38	21.30			
1.4	16QAM	3	0	21.23	21.45	21.30			
1.4	16QAM	3	0	20.26	20.41	20.25	21.8	2	
1.4	16QAM	3	0	20.25	20.40	20.25			
1.4	16QAM	3	0	20.21	20.41	20.35			
1.4	16QAM	3	0	20.31	20.39	20.30	21.8	2	
1.4	16QAM	3	0	20.26	20.44	20.36			
1.4	16QAM	6	0	19.27	19.44	19.34	20.8	3	
1.4	16QAM	1	0	17.28	17.42	17.28			
1.4	256QAM	1	0	17.30	17.47	17.36			
1.4	256QAM	1	0	17.22	17.45	17.34	18.8	5	
1.4	256QAM	3	0	17.31	17.38	17.35			
1.4	256QAM	3	1	17.29	17.43	17.33			
1.4	256QAM	3	0	17.31	17.41	17.33			
1.4	256QAM	6	0	17.22	17.44	17.32	18.8	5	

Band 4 Ant6 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	Ant6 (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.54	22.52	22.59			
20	QPSK	1	9	22.46	22.59	22.54	23.8	0	
20	QPSK	1	99	22.49	22.58	22.53			
20	QPSK	50	0	21.52	21.57	21.64			
20	QPSK	50	24	21.45	21.56	21.53			22.9
20	QPSK	50	24	21.45	21.56	21.53			
20	QPSK	100	0	21.53	21.64	21.61			
20	16QAM	1	0	21.50	21.63	21.56			
20	16QAM	1	9	21.42	21.62	21.53			22.9
20	16QAM	1	99	21.45	21.63	21.52			
20	16QAM	50	0	20.58	20.76	20.69			
20	16QAM	50	24	20.51	20.76	20.69			21.9
20	16QAM	50	24	20.51	20.76	20.69			
20	16QAM	100	0	20.53	20.63	20.57			
20	16QAM	100	0	20.53	20.67	20.58			21.9
20	16QAM	100	0	20.53	20.67	20.58			
20	16QAM	50	0	19.53	19.69	19.51			
20	16QAM	50	24	19.46	19.63	19.47			20.9
20	16QAM	50	24	19.46	19.63	19.47			
20	16QAM	100	0	19.54	19.58	19.59			
20	16QAM	100	0	19.50	17.72	17.82			18.9
20	16QAM	100	0	19.50	17.72	17.82			
20	16QAM	50	17	17.61	17.61	17.48			
20	16QAM	50	0	17.58	17.71	17.63			
20	16QAM	50	24	17.58	17.71	17.63			
20	16QAM	50	50	17.44	17.57	17.53			
20	16QAM	100	0	17.60	17.46	17.47			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.15	17.23	17.47			
15	QPSK	1	9	17.29	17.29	22.54			23.8
15	QPSK	1	99	17.24	17.24	22.54			
15	QPSK	38	0	21.41	21.62	21.60			
15	QPSK	38	0	21.41	21.62	21.60			22.9
15	QPSK	38	24	21.36	21.51	21.42			
15	QPSK	38	39	21.36	21.49	21.44			
15	QPSK	75	0	21.41	21.53	21.57			
15	QPSK	75	0	21.41	21.53	21.57			22.9
15	16QAM	1	0	21.38	21.51	21.48			
15	16QAM	1	9	21.38	21.50	21.48			
15	16QAM	1	99	21.38	21.50	21.48			21.9
15	16QAM	38	20	20.41	20.48	20.38			
15	16QAM	38	20	20.41	20.48	20.38			21.9
15	16QAM	75	0	20.32	20.38	20.47			
15	16QAM	75	0	20.32	20.38	20.47			21.9
15	16QAM	75	0	20.32	20.38	20.47			
15	16QAM	38	0	19.42	19.57	19.55			
15	16QAM	38	20	19.42	19.57	19.55			20.9
15	16QAM	38	20	19.42	19.57	19.55			
15	16QAM	75	0	19.38	19.56	19.44			20.9
15	16QAM	75	0	19.38	19.56	19.44			
15	16QAM	38	0	17.37	17.48	17.53			18.9
15	16QAM	38	0	17.37	17.48	17.53			
15	16QAM	75	0	17.36	17.57	17.38			
15	16QAM	75	0	17.36	17.57	17.38			18.9
15	16QAM	75	0	17.36	17.57	17.38			
15	16QAM	38	39	17.59	17.53	17.49			
15	16QAM	38	39	17.59	17.53	17.49			18.9
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.90	19.75	19.96			
5	QPSK	1	0	17.15	17.23	17.50			
5	QPSK	25	0	22.44	22.56	22.53			23.8
5	QPSK	25	0	22.44	22.56	22.53			
5	QPSK	1	9	22.37	22.48	22.39			
5	QPSK	1	9	22.37	22.48	22.39			22.9
5	QPSK	1	99	22.37	22.48	22.39			
5	QPSK	25	12	21.43	21.48	21.53			
5	QPSK	25	12	21.43	21.48	21.53			22.9
5	QPSK	25	12	21.43	21.48	21.53			
5	QPSK	25	25	21.31	21.48	21.46			
5	QPSK	25	25	21.31	21.48	21.46			21.9
5	QPSK	25	25	21.31	21.48	21.46			
5	16QAM	1	0	21.38	21.52	21.43			
5	16QAM	1	9	21.31	21.59	21.48			
5	16QAM	1	99	21.38	21.57	21.44			20.9
5	16QAM	25	12	20.44	20.68	20.59			
5	16QAM	25	12	20.44	20.52	20.38			21.9
5	16QAM	25	12	20.44	20.52	20.38			
5	16QAM	50	0	20.38	20.62	20.55			
5	16QAM	50	0	20.31	20.51	20.52			21.9
5	16QAM	50	0	20.31	20.51	20.52			
5	16QAM	25	12	19.44	19.64	19.63			20.9
5	16QAM	25	12	19.44	19.64	19.63			
5	16QAM	25	12	19.44	19.64	19.63			21.9
5	16QAM	25	25	19.32	19.56	19.40			
5	16QAM	25	25	19.32	19.56	19.40			20.9
5	16QAM	25	25	19.32	19.56	19.40			
5	16QAM	50	0	19.46	19.45	19.52			
5	16QAM	50	0	19.43	19.43	19.50			18.9
5	16QAM	50	0	19.43	19.43	19.50			
5	16QAM	25	12	17.59	17.48	17.51			
5	16QAM	25	12	17.59	17.48	17.51			18.9
5	16QAM	25	12	17.59	17.48	17.51			
5	16QAM	25	25	17.56	17.52	17.50			
5	16QAM	25	25	17.56	17.52	17.50			18.9
5	16QAM	25	25	17.56	17.52	17.50			
5	16QAM	25	12	17.56	17.51	17.47			
5	16QAM	25	12	17.56	17.51	17.47			18.9
5	16QAM	25	12	17.56	17.51	17.47			
5	16QAM	25	0	17.44	17.57	17.45			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.44	22.57	22.48			
3	QPSK	1	9	22.32	22.53	22.52			23.8
3	QPSK	1	99	22.32	22.53	22.43			
3	QPSK	12	7	21.32	21.50	21.40			
3	QPSK	12	7	21.32	21.50	21.40			22.9
3	QPSK	12	7	21.32	21.50	21.40			
3	QPSK	12	19	21.18	21.40	21.35			
3	QPSK	12	19	21.18	21.40	21.35			21.9
3	QPSK	12	19	21.18	21.40	21.35			
3	QPSK	12	24	21.18	21.40	21.35			
3	QPSK	12	24	21.18	21.40	21.35			21.9
3	QPSK	12	24	21.18	21.40	21.35			
3	QPSK	18	0	21.44	21.52	21.50			
3	QPSK	18	0	21.44	21.51	21.48			22.9
3	QPSK	18	0	21.44	21.51	21.48			
3	16QAM	1	0	21.32	21.59	21.46			
3	16QAM	1	9	21.32	21.59	21.46			21.9
3	16QAM	1	99	21.32	21.59	21.46			
3	16QAM	12	7	20.39	20.69	20.64			
3	16QAM	12	7	20.39	20.69	20.64			21.9
3	16QAM	12	7	20.39	20.69	20.64			
3	16QAM	12	19	20.27	20.49	20.40			
3	16QAM	12	19	20.27	20.49	20.40			21.9
3	16QAM	12	19	20.27	20.49	20.40			
3	16QAM	12	24	20.33	20.57	20.44			
3	16QAM	12	24	20.33	20.57	20.44			21.9
3	16QAM	12	24	20.33	20.57	20.44			
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			21.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41	19.49	19.58			20.9
3	16QAM	18	0	19.41	19.49	19.58			
3	16QAM	18	0	19.41					

Band 25 Ant6 Default										Band 66 Ant6 Default																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Time-to-Acquire (sec)	APRS (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Time-to-Acquire (sec)	APRS (dB)										
Channel										Channel																		
Frequency (MHz)										Frequency (MHz)																		
20	QPSK	1	0	21.71	21.94	21.68			23.3	0	QPSK	1	0	22.01	22.24	22.00			24.1	0	QPSK	1	48	22.54	22.69	22.53		
20	QPSK	1	49	21.63	21.73	21.63				20	QPSK	1	48	22.54	22.69	22.53				20	QPSK	50	24	21.50	21.67	21.58		
20	QPSK	50	0	20.61	20.77	20.69				20	QPSK	50	0	21.62	21.68	21.64				20	QPSK	50	50	21.65	21.67	21.59		
20	QPSK	50	24	20.58	20.72	20.72			23.1	1	QPSK	50	24	21.50	21.67	21.58			20	QPSK	50	24	21.50	21.67	21.58			
20	QPSK	50	50	20.63	20.73	20.64				1	QPSK	50	24	21.50	21.67	21.58			20	QPSK	50	50	21.65	21.67	21.59			
20	16QAM	1	0	20.69	20.76	20.71				1	QPSK	1	0	21.62	21.64	21.65			20	16QAM	1	0	20.69	20.76	20.71			
20	16QAM	1	49	20.71	20.81	20.63			23.1	1	QPSK	1	49	21.62	21.64	21.65			20	16QAM	1	49	20.71	20.81	20.63			
20	16QAM	50	24	19.74	19.73	19.69				1	QPSK	1	99	21.55	21.67	21.42			20	16QAM	50	24	19.74	19.73	19.69			
20	16QAM	50	50	19.66	19.63	19.73				1	QPSK	1	99	21.55	21.67	21.42			20	16QAM	50	50	19.66	19.63	19.73			
20	16QAM	100	0	19.69	19.80	19.68			22.1	2	QPSK	1	0	20.70	20.67	20.62			20	16QAM	100	0	19.69	19.80	19.68			
20	16QAM	1	0	19.65	19.86	19.67				2	QPSK	1	49	20.67	20.68	20.68			20	16QAM	1	0	19.65	19.86	19.67			
20	16QAM	1	49	19.64	19.81	19.70				2	QPSK	1	49	20.67	20.69	20.66			20	16QAM	1	49	19.64	19.81	19.70			
20	16QAM	50	0	19.72	19.76	19.69			21.3	2	QPSK	50	0	20.80	20.80	20.47			20	16QAM	50	0	19.72	19.76	19.69			
20	16QAM	50	24	18.71	18.79	18.67				2	QPSK	50	24	20.80	20.80	20.47			20	16QAM	50	24	18.71	18.79	18.67			
20	16QAM	50	50	18.73	18.81	18.67				2	QPSK	50	50	20.80	20.80	20.47			20	16QAM	50	50	18.73	18.81	18.67			
20	256QAM	1	0	18.49	18.75	18.64			18.3	5	QPSK	1	0	17.47	17.50	17.46			18	256QAM	1	0	17.47	17.50	17.46			
20	256QAM	1	37	18.58	18.64	18.50				5	QPSK	1	37	17.51	17.51	17.48			18	256QAM	1	37	17.51	17.51	17.48			
20	256QAM	1	74	18.59	18.74	18.54				5	QPSK	1	74	17.51	17.51	17.48			18	256QAM	1	74	17.51	17.51	17.48			
20	256QAM	36	0	18.49	18.66	18.55			18.3	5	QPSK	1	99	17.47	17.50	17.46			18	256QAM	36	0	18.49	18.66	18.55			
20	256QAM	36	20	18.51	18.95	18.53				5	QPSK	1	99	17.47	17.50	17.46			18	256QAM	36	20	18.51	18.95	18.53			
20	256QAM	36	36	18.50	18.77	18.58				5	QPSK	1	99	17.47	17.50	17.46			18	256QAM	36	36	18.50	18.77	18.58			
20	256QAM	75	0	18.45	18.60	18.51			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	0	18.45	18.60	18.51			
20	256QAM	75	24	18.50	18.74	18.54				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	24	18.50	18.74	18.54			
20	256QAM	75	50	18.52	18.75	18.64				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	50	18.52	18.75	18.64			
20	256QAM	100	0	18.49	18.70	18.68			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	0	18.49	18.70	18.68			
20	256QAM	100	24	18.50	18.71	18.69				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	24	18.50	18.71	18.69			
20	256QAM	100	50	18.51	18.76	18.70				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	50	18.51	18.76	18.70			
20	256QAM	1	0	18.48	18.73	18.64			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	0	18.48	18.73	18.64			
20	256QAM	1	37	18.58	18.64	18.50				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	37	18.58	18.64	18.50			
20	256QAM	1	74	18.59	18.74	18.54				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	74	18.59	18.74	18.54			
20	256QAM	36	0	18.49	18.66	18.55			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	0	18.49	18.66	18.55			
20	256QAM	36	20	18.51	18.95	18.53				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	20	18.51	18.95	18.53			
20	256QAM	36	36	18.50	18.77	18.58				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	36	18.50	18.77	18.58			
20	256QAM	75	0	18.45	18.60	18.51			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	0	18.45	18.60	18.51			
20	256QAM	75	24	18.50	18.74	18.54				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	24	18.50	18.74	18.54			
20	256QAM	75	50	18.52	18.75	18.64				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	50	18.52	18.75	18.64			
20	256QAM	100	0	18.49	18.70	18.68			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	0	18.49	18.70	18.68			
20	256QAM	100	24	18.50	18.71	18.69				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	24	18.50	18.71	18.69			
20	256QAM	100	50	18.51	18.76	18.70				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	50	18.51	18.76	18.70			
20	256QAM	1	0	18.48	18.73	18.64			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	0	18.48	18.73	18.64			
20	256QAM	1	37	18.58	18.64	18.50				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	37	18.58	18.64	18.50			
20	256QAM	1	74	18.59	18.74	18.54				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	74	18.59	18.74	18.54			
20	256QAM	36	0	18.49	18.66	18.55			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	0	18.49	18.66	18.55			
20	256QAM	36	20	18.51	18.95	18.53				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	20	18.51	18.95	18.53			
20	256QAM	36	36	18.50	18.77	18.58				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	36	18.50	18.77	18.58			
20	256QAM	75	0	18.45	18.60	18.51			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	0	18.45	18.60	18.51			
20	256QAM	75	24	18.50	18.74	18.54				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	24	18.50	18.74	18.54			
20	256QAM	75	50	18.52	18.75	18.64				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	75	50	18.52	18.75	18.64			
20	256QAM	100	0	18.49	18.70	18.68			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	0	18.49	18.70	18.68			
20	256QAM	100	24	18.50	18.71	18.69				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	24	18.50	18.71	18.69			
20	256QAM	100	50	18.51	18.76	18.70				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	100	50	18.51	18.76	18.70			
20	256QAM	1	0	18.48	18.73	18.64			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	0	18.48	18.73	18.64			
20	256QAM	1	37	18.58	18.64	18.50				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	37	18.58	18.64	18.50			
20	256QAM	1	74	18.59	18.74	18.54				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	1	74	18.59	18.74	18.54			
20	256QAM	36	0	18.49	18.66	18.55			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	0	18.49	18.66	18.55			
20	256QAM	36	20	18.51	18.95	18.53				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	20	18.51	18.95	18.53			
20	256QAM	36	36	18.50	18.77	18.58				5	QPSK	1	25	21.41	21.49	21.41			18	256QAM	36	36	18.50	18.77	18.58			
20	256QAM	75	0	18.45	18.60	18.51			18.3	5	QPSK	1	25	21.41	21.49	21.41			18	2								

Band 38 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										
Frequency (MHz)				37850	38000	38150				
				2580	2595	2610				
10	QPSK	1	0	23.88	24.04	24.00				
20	QPSK	1	49	23.85	24.01	23.96	25.5	0		
20	QPSK	1	99	23.94	24.00	23.95				
20	QPSK	50	0	22.99	23.09	22.97				
20	QPSK	50	24	23.01	23.03	22.94	24.5	1		
20	QPSK	50	50	22.97	23.05	22.93				
20	QPSK	100	0	23.02	23.04	22.99				
20	16QAM	1	0	23.02	23.03	23.05				
20	16QAM	1	49	23.01	22.96	22.99	24.5	1		
20	16QAM	1	99	22.95	23.01	22.94				
20	16QAM	50	0	22.04	22.08	21.92				
20	16QAM	50	24	21.95	22.01	21.97	23.5	2		
20	16QAM	50	50	21.95	22.02	21.90				
20	16QAM	100	0	21.95	22.07	21.97				
20	64QAM	1	0	22.00	21.98	22.01				
20	64QAM	1	49	21.98	21.94	22.03	23.5	2		
20	64QAM	1	99	21.90	21.98	21.92				
20	64QAM	50	0	20.97	21.04	20.93				
20	64QAM	50	24	21.04	21.02	20.99	22.5	3		
20	64QAM	50	50	20.99	21.06	20.90				
20	64QAM	100	0	21.02	21.03	21.00				
20	256QAM	1	0	19.01	19.10	19.02				
20	256QAM	1	49	19.01	18.98	18.94	20.5	5		
20	256QAM	1	99	18.99	19.11	18.96				
20	256QAM	50	0	19.02	19.02	18.96				
20	256QAM	50	24	19.07	19.09	19.01	20.5	5		
20	256QAM	50	50	18.96	18.95	18.99				
20	256QAM	100	0	18.92	19.06	18.88				
Channel										
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.91	23.90	23.90				
15	QPSK	1	37	23.85	23.91	23.89	25.5	0		
15	QPSK	1	74	23.90	23.94	23.91				
15	QPSK	36	0	22.96	22.96	22.91				
15	QPSK	36	20	22.93	22.94	22.85	24.5	1		
15	QPSK	36	39	22.87	23.02	22.80				
15	QPSK	75	0	22.92	22.97	22.88				
15	16QAM	1	0	22.92	22.96	22.85				
15	16QAM	1	37	22.92	22.90	22.93	24.5	1		
15	16QAM	1	74	22.82	22.88	22.81				
15	16QAM	36	0	21.92	22.02	21.87				
15	16QAM	36	20	21.95	21.97	21.88	23.5	2		
15	16QAM	36	39	21.81	21.96	21.82				
15	16QAM	75	0	21.89	21.94	21.93				
15	64QAM	1	0	21.89	21.92	22.02				
15	64QAM	1	37	21.95	21.85	21.96	23.5	2		
15	64QAM	1	74	21.84	21.87	21.84				
15	64QAM	36	0	20.85	20.99	20.80				
15	64QAM	36	20	20.93	20.89	20.94	22.5	3		
15	64QAM	36	39	20.85	20.98	20.82				
15	64QAM	75	0	20.95	20.97	20.98				
15	256QAM	1	0	18.98	18.97	18.97				
15	256QAM	1	37	18.95	18.93	18.90	20.5	5		
15	256QAM	1	74	18.96	19.04	18.93				
15	256QAM	36	0	18.96	18.92	18.88				
15	256QAM	36	20	18.95	18.97	18.98	20.5	5		
15	256QAM	36	39	18.83	18.92	18.94				
15	256QAM	75	0	18.89	18.94	18.79				
Channel										
Frequency (MHz)				37800	38000	38200				
10	QPSK	1	0	23.89	24.01	23.88				
10	QPSK	1	25	23.87	23.94	23.92	25.5	0		
10	QPSK	1	49	23.87	23.92	23.85				
10	QPSK	25	0	22.95	22.98	22.90				
10	QPSK	25	12	23.03	22.95	22.81	24.5	1		
10	QPSK	25	25	22.89	22.95	22.79				
10	QPSK	50	0	22.90	22.91	22.91				
10	16QAM	1	0	22.93	22.97	22.91				
10	16QAM	1	25	22.91	22.96	22.89	24.5	1		
10	16QAM	49	0	22.87	22.95	22.88				
10	16QAM	25	0	21.97	22.04	21.87				
10	16QAM	25	12	21.82	21.94	21.88	23.5	2		
10	16QAM	25	25	21.91	21.95	21.78				
10	16QAM	50	0	21.80	22.01	21.93				
10	64QAM	1	0	21.97	21.93	22.03				
10	64QAM	1	25	21.94	21.93	22.00	23.5	2		
10	64QAM	1	49	21.76	21.92	21.87				
10	64QAM	25	0	20.94	20.95	20.94				
10	64QAM	25	12	20.94	20.94	20.86	22.5	3		
10	64QAM	25	25	20.86	21.00	20.85				
10	64QAM	50	0	20.90	20.94	20.96				
10	256QAM	1	0	18.96	19.04	19.00				
10	256QAM	1	25	18.92	18.85	18.88	20.5	5		
10	256QAM	1	49	18.96	18.98	18.91				
10	256QAM	25	0	18.89	18.95	18.85				
10	256QAM	25	12	18.93	19.03	18.91	20.5	5		
10	256QAM	25	25	18.88	18.87	18.94				
10	256QAM	50	0	18.81	18.93	18.83				
Channel										
Frequency (MHz)				3777.5	38000	38225				
5	QPSK	1	0	23.95	23.97	23.86				
5	QPSK	1	12	23.90	23.95	23.88	25.5	0		
5	QPSK	1	24	23.94	23.95	23.84				
5	QPSK	12	0	22.87	23.03	22.86				
5	QPSK	12	7	22.87	23.00	22.84	24.5	1		
5	QPSK	12	13	22.91	22.96	22.87				
5	QPSK	25	0	22.91	22.94	22.85				
5	16QAM	1	0	22.93	22.97	22.99				
5	16QAM	1	12	22.96	22.91	22.89	24.5	1		
5	16QAM	1	24	22.83	22.88	22.85				
5	16QAM	12	0	21.92	21.97	21.88				
5	16QAM	12	7	21.88	21.90	21.92	23.5	2		
5	16QAM	12	13	21.81	21.95	21.78				
5	16QAM	25	0	21.89	22.00	21.87				
5	64QAM	1	0	21.90	21.94	22.07				
5	64QAM	1	12	21.87	21.86	21.95	23.5	2		
5	64QAM	1	24	21.82	21.88	21.86				
5	64QAM	12	0	20.93	20.91	20.86				
5	64QAM	12	7	20.95	20.96	20.88	22.5	3		
5	64QAM	12	13	20.88	20.93	20.83				
5	64QAM	25	0	20.99	20.99	20.87				
5	256QAM	1	0	18.93	19.06	18.94				
5	256QAM	1	12	18.94	18.93	18.83	20.5	5		
5	256QAM	1	24	18.90	18.97	18.89				
5	256QAM	12	0	18.92	18.88	18.85				
5	256QAM	12	7	18.99	19.06	18.97	20.5	5		
5	256QAM	12	13	18.88	18.88	18.94				
5	256QAM	25	0	18.78	18.95	18.84				

Band 41 Ant6 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)				38750	40185	40620	41055	41490			
20	QPSK	1	0	24.09	23.86	24.11	24.02	24.07		0	
20	QPSK	1	49	24.00	23.80	24.08	23.90	24.00			
20	QPSK	50	0	23.05	22.96	23.12	22.98	23.05			
20	QPSK	50	0	23.05	22.96	23.13	23.06	23.12			
20	QPSK	50	24	23.05	22.88	23.02	22.89	23.02			
20	QPSK	50	50	22.93	22.85	23.06	22.95	23.02		24.5	
20	QPSK	100	0	22.93	22.84	23.02	22.90	22.95			
20	QPSK	100	0	23.07	22.95	23.10	23.02	23.04			
20	16QAM	1	49	22.95	22.83	23.10	22.88	23.00			24.5
20	16QAM	1	99	22.94	22.90	23.02	22.98	23.03			
20	16QAM	50	24	22.90	21.97	22.10	22.08	22.14		23.5	
20	16QAM	50	24	22.90	21.97	22.10	22.08	22.14			
20	16QAM	50	50	21.91	21.88	22.05	21.92	22.03			
20	16QAM	100	0	22.08	22.02	22.17	22.04	22.12			23.5
20	16QAM	1	0	22.07	21.83	22.09	21.97	22.05			
20	16QAM	1	49	21.86	21.94	22.06	21.86	21.98		23.5	
20	16QAM	1	99	21.94	21.91	22.04	21.93	22.00			
20	16QAM	50	0	21.01	20.91	21.08	21.04	21.13			
20	16QAM	50	24	21.05	20.85	20.99	20.95	21.05			
20	16QAM	50	50	20.84	20.89	21.12	20.97	21.03			20.5
20	16QAM	100	0	21.07	21.07	21.07	21.07	21.07			
20	256QAM	1	0	19.05	18.95	19.19	19.08	19.14		20.5	
20	256QAM	1	49	19.08	18.86	19.01	18.92	19.08			
20	256QAM	1	99	18.92	18.85	19.10	18.93	19.06			
20	256QAM	50	24	19.06	19.07	19.07	19.06	19.07			
20	256QAM	50	24	19.04	18.91	19.13	18.98	19.02			20.5
20	256QAM	50	50	18.95	18.93	18.96	18.82	19.03			
20	256QAM	100	0	18.95	18.88	18.99	18.93	18.97		19.5	
Frequency (MHz)				38750	40185	40620	41055	41490			
Frequency (MHz)				255.5	254.6	255.6	256.7	255.9			
15	QPSK	1	0	24.00	23.83	24.02	23.95	23.99			26
15	QPSK	1	37	23.97	23.85	23.97	23.88	23.88			
15	QPSK	1	74	23.92	23.80	23.99	23.90	23.90		24.5	
15	QPSK	36	20	22.92	22.82	23.00	22.93	22.93			
15	QPSK	36	20	22.95	22.79	22.98	22.79	22.92			
15	QPSK	36	39	22.84	22.73	23.00	22.92	22.89			24.5
15	QPSK	75	0	23.06	22.92	23.05	22.88	23.01			
15	16QAM	1	0	22.91	22.81	22.99	22.87	22.91		24.5	
15	16QAM	1	37	22.91	22.86	23.00	22.83	22.91			
15	16QAM	1	74	22.84	22.81	22.93	22.85	22.92			
15	16QAM	36	0	21.96	21.96	22.04	21.99	22.07			
15	16QAM	36	39	21.76	21.75	22.03	21.67	21.88			23.5
15	16QAM	36	39	21.87	21.77	21.99	21.70	21.86			
15	16QAM	75	0	21.99	21.99	22.08	21.98	22.01		22.5	
15	16QAM	1	0	22.01	21.87	22.02	21.97	22.04			
15	16QAM	1	37	21.89	21.81	21.98	21.80	21.93			
15	16QAM	1	74	21.81	21.81	21.81	21.81	21.81			
15	16QAM	36	0	20.92	20.80	21.03	20.96	21.09			22.5
15	16QAM	36	20	20.93	20.74	20.87	20.90	20.92			
15	16QAM	36	39	20.83	20.79	21.03	20.94	20.95		20.5	
15	16QAM	75	0	21.00	21.00	21.02	21.00	21.00			
15	256QAM	1	0	19.01	18.91	19.10	19.05	19.04			
15	256QAM	1	37	19.05	18.82	18.91	18.88	19.02			
15	256QAM	1	74	18.84	18.82	18.93	18.81	18.90			20.5
15	256QAM	36	0	18.94	18.86	19.03	18.96	19.04			
15	256QAM	36	39	18.91	18.92	18.93	18.88	19.04		20.5	
15	256QAM	36	39	18.88	18.89	18.93	18.75	18.90			
15	256QAM	75	0	18.86	18.83	18.91	18.87	18.85			
Channel				39700	40060	40620	41098	41545			
Frequency (MHz)				254.6	254.6	255.6	256.8	255.9			
10	QPSK	1	0	24.05	23.90	24.05	23.93	23.95		26	
10	QPSK	1	25	23.92	23.84	23.98	23.86	23.87			
10	QPSK	1	49	23.92	23.85	24.04	23.85	23.91			24.5
10	QPSK	25	12	22.95	22.81	22.99	22.80	22.92			
10	QPSK	25	12	22.95	22.81	22.94	22.87	22.91			
10	QPSK	25	25	22.91	22.71	23.04	22.86	22.93			
10	QPSK	50	0	22.99	22.91	23.01	22.90	23.03		24.5	
10	16QAM	1	0	22.99	22.88	23.07	22.86	22.92			
10	16QAM	25	12	22.82	22.84	22.99	22.77	22.92			23.5
10	16QAM	1	49	22.88	22.88	22.88	22.96	22.94			
10	16QAM	25	0	21.90	21.90	22.00	22.02	22.01			
10	16QAM	25	12	21.95	21.73	22.03	21.78	21.85			
10	16QAM	50	0	22.06	21.97	22.15	21.95	22.07		22.5	
10	16QAM	1	0	21.99	21.90	22.04	21.98	22.00			
10	16QAM	1	25	21.89	21.83	21.97	21.83	21.88			20.5
10	16QAM	1	49	21.82	21.76	21.93	21.73	21.81			
10	16QAM	25	0	20.94	20.86	20.99	20.86	20.93			
10	16QAM	25	12	20.94	20.72	20.96	20.85	21.00			
10	16QAM	25	25	20.86	20.76	21.10	20.85	20.90		20.5	
10	16QAM	50	0	21.01	21.01	21.01	20.94	20.97			
10	256QAM	1	0	18.91	18.78	18.91	18.80	19.08			20.5
10	256QAM	1	25	18.99	18.72	18.94	18.81	18.95			
10	256QAM	1	49	18.83	18.75	18.98	18.82	18.95			
10	256QAM	25	0	18.98	18.89	19.13	18.88	18.92			
10	256QAM	25	12	18.94	18.86	19.08	18.89	18.95		20.5	
10	256QAM	25	25	18.88	18.83	19.03	18.74	18.99			
10	256QAM	50	0	18.86	18.79	18.89	18.92	18.98			19.5
Channel				39675	40146	40620	41092	41565			
Frequency (MHz)				254.6	254.6	255.6	256.8	255.9			
5	QPSK	1	0	23.98	23.92	24.04	23.90	23.94		26	
5	QPSK	1	12	23.93	23.79	24.02	23.80	23.91			
5	QPSK	1	24	23.89	23.84	24.03	23.92	23.95			24.5
5	QPSK	12	0	22.98	22.89	23.11	22.94	23.05			
5	QPSK	12	7	22.93	22.83	23.13	22.92	23.02			
5	QPSK	12	13	22.82	22.73	23.02	22.87	22.97			
5	QPSK	25	0	22.94	22.89	23.03	22.84	22.91		24.5	
5	16QAM	1	0	23.04	22.92	22.98	22.90	22.99			
5	16QAM	12	0	22.98	22.86	22.96	22.82	22.90			23.5
5	16QAM	1	24	22.88	22.77	22.92	22.84	22.92			
5	16QAM	12	0	21.91	21.85	22.02	21.97	22.08			
5	16QAM	12	7	21.94	21.80	21.99	21.78	21.88			
5	16QAM	12	13	21.84	21.75	21.94	21.68	21.92		20.5	
5	16QAM	25	0	21.91	21.83	21.99	21.72	22.07			
5	16QAM	1	0	22.01	21.82	22.06	21.96	21.91			23.5
5	16QAM	1	12	21.92	21.81	22.05	21.76	21.96			
5	16QAM	1	24	21.83	21.88	21.97	21.87	21.88			
5	16QAM	12	0	20.93	20.81	20.89	20.86	20.93			
5	16QAM	12	13	20.84	20.87	21.01	20.94	20.94		20.5	
5	16QAM	25	0	21.08	21.03	21.05	20.92	20.95			
5	256QAM	1	0	18.93	18.74	18.94	18.80	19.05			20.5
5	256QAM	1	12	18.98	18.83	18.98	18.87	19.01			
5	256QAM	1	24	18.78	18.81	19.03	18.88	19.04			
5	256QAM	12	0	18.92	18.91	19.05	18.91	19.00			
5	256QAM	12	7	18.99	18.82	19.10	18.91	19.06		20.5	
5	256QAM	12	13	18.82	18.82	19.02	18.69	18.95			
5	256QAM	25	0	18.81	18.81	18.96	18.99	18.93			

		WCDMA II Ant7 Default			WCDMA IV Ant7 Default		
Band		WCDMA II			WCDMA IV		
TX Channel		9052	9400	9538	1312	1413	1513
Rx Channel		8952	8900	8958	1337	1338	1728
Frequency (MHz)		1852.4	1860	1907.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.91	21.30	19.44	19.38
3GPP Rel 99	AMR 12.2Kbps	19.94	19.90	19.85	21.30	19.48	19.42
3GPP Rel 6	HSDPA Subclass 1	18.93	18.86	18.88	20.30	18.50	18.50
3GPP Rel 6	HSDPA Subclass 2	18.88	18.92	18.97	20.30	18.50	18.55
3GPP Rel 6	HSDPA Subclass 3	18.35	18.44	18.45	19.80	17.88	18.04
3GPP Rel 6	HSDPA Subclass 4	18.35	18.54	18.43	19.80	18.04	18.17
3GPP Rel 8	DC-HSDPA Subclass 1	18.94	18.94	18.92	20.30	18.58	18.48
3GPP Rel 8	DC-HSDPA Subclass 2	18.88	18.90	18.90	20.30	18.44	18.47
3GPP Rel 8	DC-HSDPA Subclass 3	18.37	18.41	18.41	19.80	17.82	18.04
3GPP Rel 8	DC-HSDPA Subclass 4	18.38	18.41	18.33	19.80	17.89	17.92
3GPP Rel 6	HSPA Subclass 1	18.87	18.86	18.88	20.30	18.53	18.60
3GPP Rel 6	HSPA Subclass 2	16.96	16.95	16.84	18.30	16.57	16.52
3GPP Rel 6	HSPA Subclass 3	17.93	17.94	17.84	19.30	17.66	17.58
3GPP Rel 6	HSPA Subclass 4	16.99	17.00	16.93	18.30	16.62	16.64
3GPP Rel 6	HSPA Subclass 5	18.91	18.92	18.92	20.30	18.56	18.54
3GPP Rel 7	HSPA+ (1QAM) Subclass 1	16.46	16.46	16.42	17.80	16.04	16.09



Band 2 Ant7 Default												
BW (MHz)	Modem ID	RF State	RF Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (sec)	Turn-off (sec)	Turn-off (sec)			
Channel												
Frequency (MHz)												
20	OPRSK	1	0	20.10	20.17	20.09	21.6	0				
20	OPRSK	1	49	19.92	20.18	19.93						
20	OPRSK	1	99	19.94	20.04	19.91	20.6	1				
20	OPRSK	50	0	19.99	19.15	19.12						
20	OPRSK	50	24	19.01	19.08	19.14	20.6	1				
20	OPRSK	50	50	19.02	19.08	19.06						
20	OPRSK	100	0	19.12	19.23	19.04	20.6	1				
20	OPRSK	100	0	19.06	19.15	19.09						
20	OPRSK	1	49	19.01	19.20	19.06	19.6	1				
20	OPRSK	1	99	19.12	19.14	19.10						
20	OPRSK	1	99	19.14	19.14	19.09	19.6	2				
20	OPRSK	50	24	19.15	19.15	19.17						
20	OPRSK	50	50	19.10	19.20	19.15	19.6	3				
20	OPRSK	100	0	19.14	19.23	19.07						
20	OPRSK	1	0	17.95	18.27	17.90	18.6	5				
20	OPRSK	1	49	17.94	18.27	18.03						
20	OPRSK	1	99	18.05	18.26	18.11	18.6	3				
20	OPRSK	50	24	17.95	17.95	17.95						
20	OPRSK	50	24	17.96	17.95	17.95	18.6	3				
20	OPRSK	100	0	17.96	17.92	17.91						
20	OPRSK	1	99	15.19	15.33	15.25	16.6	5				
20	OPRSK	1	99	15.22	15.29	15.28						
20	OPRSK	1	99	15.40	15.40	15.43	16.6	5				
20	OPRSK	50	24	15.21	15.49	15.21						
20	OPRSK	50	50	15.22	15.38	15.19	16.6	5				
20	OPRSK	100	0	15.22	15.33	15.28						
Channel												
Frequency (MHz)												
15	OPRSK	1	0	15.05	15.05	15.03	21.6	0				
15	OPRSK	1	97	15.01	15.01	15.02						
15	OPRSK	1	74	15.07	15.09	15.05	20.6	1				
15	OPRSK	36	0	15.09	15.10	15.07						
15	OPRSK	36	36	15.02	15.04	15.03	20.6	1				
15	OPRSK	36	36	15.06	15.04	15.07						
15	OPRSK	75	0	15.06	15.10	15.06	20.6	1				
15	OPRSK	75	0	15.01	15.02	15.01						
15	OPRSK	1	37	15.05	15.13	15.01	19.6	2				
15	OPRSK	1	97	15.02	15.03	15.01						
15	OPRSK	36	0	15.07	15.04	15.06	19.6	2				
15	OPRSK	36	20	15.01	15.02	15.05						
15	OPRSK	36	36	15.03	15.04	15.06	19.6	2				
15	OPRSK	75	0	15.04	15.11	15.04						
15	OPRSK	1	0	17.88	18.21	17.88	19.6	2				
15	OPRSK	1	97	17.86	18.11	17.96						
15	OPRSK	1	74	17.98	18.15	17.97	18.6	3				
15	OPRSK	36	0	18.02	17.93	18.09						
15	OPRSK	36	36	18.04	17.93	18.05	18.6	3				
15	OPRSK	75	0	18.09	17.91	18.04						
15	OPRSK	1	37	15.10	15.20	15.21	16.6	5				
15	OPRSK	1	74	15.04	15.32	15.32						
15	OPRSK	36	0	15.10	15.21	15.26	16.6	5				
15	OPRSK	36	36	15.10	15.41	15.22						
15	OPRSK	36	36	15.21	15.43	15.23	16.6	5				
15	OPRSK	75	0	15.27	15.33	15.28						
Channel												
Frequency (MHz)												
10	OPRSK	1	0	10.05	10.05	10.03	21.6	0				
10	OPRSK	1	49	10.08	10.09	10.02						
10	OPRSK	1	99	10.09	10.09	10.05	20.6	1				
10	OPRSK	25	0	10.07	10.08	10.05						
10	OPRSK	25	12	10.07	10.08	10.05	20.6	1				
10	OPRSK	25	25	10.08	10.03	10.01						
10	OPRSK	1	99	10.06	10.09	10.02	20.6	1				
10	OPRSK	1	25	10.04	10.18	10.05						
10	OPRSK	1	25	10.02	10.08	10.03	19.6	2				
10	OPRSK	12	0	10.03	10.04	10.03						
10	OPRSK	12	12	10.03	10.04	10.03	19.6	2				
10	OPRSK	50	0	10.05	10.10	10.00						
10	OPRSK	1	0	17.95	18.21	17.95	19.6	2				
10	OPRSK	1	97	17.94	18.21	17.95						
10	OPRSK	1	49	17.90	18.20	18.01	18.6	3				
10	OPRSK	25	0	18.05	17.96	18.00						
10	OPRSK	25	12	18.02	17.98	18.03	18.6	3				
10	OPRSK	50	0	18.01	17.95	18.02						
10	OPRSK	1	25	15.11	15.20	15.16	16.6	5				
10	OPRSK	1	25	15.11	15.21	15.16						
10	OPRSK	1	25	15.10	15.21	15.26	16.6	5				
10	OPRSK	1	25	15.13	15.20	15.18						
10	OPRSK	25	12	15.11	15.41	15.20	16.6	5				
10	OPRSK	25	25	15.14	15.20	15.11						
10	OPRSK	50	0	15.25	15.30	15.28	16.6	5				
10	OPRSK	50	0	15.25	15.30	15.28						
Channel												
Frequency (MHz)												
5	OPRSK	1	0	5.05	5.05	5.03	21.6	0				
5	OPRSK	1	12	5.05	5.05	5.03						
5	OPRSK	1	24	5.09	5.09	5.05	20.6	1				
5	OPRSK	12	0	5.06	5.06	5.05						
5	OPRSK	12	12	5.06	5.06	5.05	20.6	1				
5	OPRSK	12	12	5.06	5.06	5.05						
5	OPRSK	1	99	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OPRSK	1	12	5.05	5.09	5.05	20.6	1				
5	OPRSK	1	12	5.05	5.09	5.05						
5	OP											

Band 66 Ant7 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Time-to-Acquire (sec)	MPR (dB)				
Channel 130017 130022 130027												
Frequency (MHz)												
20	QPSK	1	0	20.45	20.57	20.27	22.1	0				
20	QPSK	1	49	20.20	20.43	20.28						
20	QPSK	1	99	20.29	20.28	20.19						
20	QPSK	50	0	19.18	19.54	19.31	21.1	1				
20	QPSK	50	24	19.29	19.34	19.53						
20	QPSK	50	50	19.25	19.43	19.41						
20	QPSK	100	0	19.47	19.25	19.37	21.1	1				
20	16QAM	1	0	19.30	19.40	19.34						
20	16QAM	1	49	19.21	19.05	19.37						
20	16QAM	1	99	19.52	19.52	19.38	20.1	2				
20	16QAM	50	0	19.50	19.57	19.33						
20	16QAM	50	24	19.52	19.50	19.45						
20	16QAM	50	50	19.39	19.49	19.45	20.1	2				
20	16QAM	100	0	19.36	19.53	19.53						
20	16QAM	1	0	19.33	19.54	19.37						
20	16QAM	1	49	19.24	19.66	19.27	19.1	3				
20	16QAM	1	99	19.22	19.56	19.39						
20	16QAM	50	0	17.34	17.54	17.41						
20	16QAM	50	24	17.51	17.47	17.44	19.1	3				
20	16QAM	50	50	17.31	17.56	17.33						
20	16QAM	100	0	17.45	17.54	17.48						
20	256QAM	1	0	15.51	15.54	15.53	17.1	5				
20	256QAM	1	49	15.45	15.75	15.61						
20	256QAM	1	99	15.59	15.68	15.47						
20	256QAM	50	0	15.67	15.75	15.42	17.1	5				
20	256QAM	50	24	15.94	15.94	15.47						
20	256QAM	50	50	15.60	15.68	15.56						
20	256QAM	100	0	15.65	15.60	15.78	130047 130052 130057					
Channel												
Frequency (MHz)												
16	QPSK	1	0	20.38	20.52	20.15	22.1	0				
16	QPSK	1	37	20.20	20.30	20.20						
16	QPSK	1	74	20.15	20.20	20.10						
16	QPSK	36	0	19.13	19.42	19.26	21.1	1				
16	QPSK	36	36	19.21	19.22	19.41						
16	QPSK	36	99	19.19	19.35	19.36						
16	16QAM	75	0	19.41	19.42	19.29	21.1	1				
16	16QAM	1	0	19.22	19.35	19.21						
16	16QAM	1	37	19.13	19.59	19.24						
16	16QAM	1	74	19.47	19.40	19.23	20.1	2				
16	16QAM	36	0	19.41	19.48	19.18						
16	16QAM	36	20	19.46	19.43	19.30						
16	16QAM	36	99	19.29	19.37	19.31	20.1	2				
16	16QAM	75	0	19.32	19.39	19.38						
16	16QAM	1	0	19.28	19.49	19.30						
16	16QAM	1	37	19.20	19.40	19.16	19.1	3				
16	16QAM	1	74	19.21	19.47	19.26						
16	16QAM	36	0	17.22	17.40	17.37						
16	16QAM	36	20	17.36	17.38	17.34	19.1	3				
16	16QAM	36	99	17.26	17.49	17.20						
16	16QAM	75	0	17.39	17.42	17.38						
16	16QAM	1	0	15.45	15.42	15.48	17.1	5				
16	256QAM	1	37	15.39	15.59	15.46						
16	256QAM	1	74	15.48	15.52	15.38						
16	256QAM	36	0	15.58	15.46	15.36	17.1	5				
16	256QAM	36	20	15.39	15.72	15.38						
16	256QAM	36	99	15.41	15.54	15.49						
16	256QAM	75	0	15.65	15.48	15.47	130092 130097 130102					
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.39	20.52	20.13	22.1	0				
10	QPSK	1	26	20.15	20.31	20.23						
10	QPSK	1	49	20.17	20.18	20.10						
10	QPSK	25	0	19.51	19.40	19.17	21.1	1				
10	QPSK	25	12	19.24	19.24	19.41						
10	QPSK	25	25	19.16	19.31	19.36						
10	QPSK	80	0	19.36	19.47	19.23	21.1	1				
10	16QAM	1	0	19.21	19.31	19.20						
10	16QAM	1	26	19.52	19.53	19.24						
10	16QAM	1	49	19.39	19.39	19.26	20.1	2				
10	16QAM	25	0	19.39	19.40	19.19						
10	16QAM	25	12	19.40	19.38	19.35						
10	16QAM	25	16	19.24	19.39	19.34	19.1	3				
10	16QAM	50	0	19.28	19.44	19.40						
10	16QAM	1	0	19.21	19.42	19.32						
10	16QAM	1	26	19.16	19.54	19.15	20.1	2				
10	16QAM	1	49	19.11	19.50	19.25						
10	16QAM	25	0	17.22	17.42	17.35						
10	16QAM	25	12	17.45	17.36	17.36	17.1	5				
10	16QAM	25	25	17.17	17.47	17.19						
10	16QAM	50	0	17.29	17.44	17.29						
10	256QAM	1	0	15.35	15.45	15.48	17.1	5				
10	256QAM	1	26	15.35	15.60	15.52						
10	256QAM	1	49	15.49	15.52	15.32						
10	256QAM	25	0	15.52	15.61	15.37	17.1	5				
10	256QAM	25	12	15.45	15.75	15.45						
10	256QAM	25	25	15.35	15.60	15.46						
10	256QAM	50	0	15.60	15.51	15.73	191997 192002 192007					
Channel												
Frequency (MHz)												
5	QPSK	1	11	20.31	20.51	20.13	22.1	0				
5	QPSK	1	12	20.13	20.28	20.18						
5	QPSK	1	24	20.24	20.16	20.11						
5	QPSK	12	0	19.13	19.35	19.16	21.1	1				
5	QPSK	12	7	19.21	19.27	19.43						
5	QPSK	12	13	19.10	19.30	19.34						
5	QPSK	25	0	19.41	19.47	19.25	21.1	1				
5	16QAM	1	0	19.18	19.34	19.21						
5	16QAM	1	12	19.10	19.51	19.28						
5	16QAM	1	18	19.40	19.45	19.31	20.1	2				
5	16QAM	12	0	19.34	19.52	19.20						
5	16QAM	12	7	19.37	19.44	19.35						
5	16QAM	12	13	19.32	19.35	19.38	19.1	3				
5	16QAM	25	0	19.26	19.48	19.45						
5	16QAM	1	0	19.26	19.41	19.22						
5	16QAM	1	12	19.16	19.55	19.18	20.1	2				
5	16QAM	1	24	19.14	19.49	19.27						
5	16QAM	12	0	17.27	17.45	17.28						
5	16QAM	12	7	17.45	17.40	17.32	17.1	5				
5	16QAM	12	13	17.20	17.44	17.28						
5	16QAM	25	0	17.29	17.47	17.26						
5	256QAM	1	0	15.42	15.38	15.47	17.1	5				
5	256QAM	1	12	15.36	15.68	15.52						
5	256QAM	1	24	15.49	15.52	15.42						
5	256QAM	12	0	15.63	15.65	15.36	17.1	5				
5	256QAM	12	7	15.40	15.71	15.37						
5	256QAM	12	13	15.40	15.55	15.43						
5	256QAM	25	0	15.41	15.49	15.68	191997 192002 192007					
Channel												
Frequency (MHz)												
3	QPSK	1	8	20.34	20.47	20.25	22.1	0				
3	QPSK	1	8	20.21	20.27	20.23						
3	QPSK	1	14	20.13	20.20	20.16						
3	QPSK	8	4	19.17	19.26	19.39	21.1	1				
3	QPSK	8	11	19.26	19.26	19.38						
3	QPSK	8	18	19.35	19.38	19.25						
3	16QAM	1	0	19.20	19.24	19.26	20.1	2				
3	16QAM	8	4	19.28	19.58	19.28						
3	16QAM	14	0	19.46	19.44	19.29						
3	16QAM	8	0	19.43	19.48	19.27	19.1	3				
3	16QAM	8	7	19.45	19.48	19.34						
3	16QAM	8	7	19.28	19.40	19.40						
3	16QAM	15	0	19.23	19.44	19.40	17.1	5				
3	16QAM	15	0	19.23	19.44	19.40						
3	16QAM	1	8	19.12	19.48	19.14						
3	16QAM	1	14	19.11	19.46	19.29	17.1	5				
3	16QAM	1	17	19.10	19.47	19.23						
3	16QAM	8	4	17.45	17.47	17.20						
3	16QAM	15	0	17.37	17.47	17.25	19.1	3				
3	16QAM	15	0	17.33	17.43	17.28						
3	256QAM	1	0	15.47	15.39	15.48						
3	256QAM	1	4	15.47	15.49	15.42	17.1	5				
3	256QAM	1	14	15.52	15.54	15.43						
3	256QAM	8	0	15.52	15.70	15.31						
3	256QAM	8	7	15.47	15.68	15.42	17.1	5				
3	256QAM	8	7	15.39	15.50	15.48						
3	256QAM	15	0	15.67	15.44	15.71						
130017 130022 130027												
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.37	20.42	20.22	22.1	0				
1.4	QPSK	1	5	20.36	20.46	20.43						
1.4	QPSK	3	0	20.34	20.51	20.37						
1.4	QPSK	3	3	20.33	20.49	20.33	21.1	1				
1.4	QPSK	3	20.33	20.41	20.42							
1.4	QPSK	6	0	19.50	19.61	19.58						
1.4	16QAM	1	0	19.50	19.50	19.50	20.1	2				
1.4	16QAM	3	3	19.34	19.58	19.55						
1.4	16QAM	5	5	19.49	19.66	19.50						
1.4	16QAM	1	0	19.56	19.63	19.58	21.1	1				
1.4	16QAM	3	3	19.47	19.53	19.42						
1.4	16QAM	3	3	19.41	19.58	19.55						
1.4	16QAM	1	0	19.48	19.55	19.39	20.1	2				
1.4	16QAM	1	3	19.46	19.57	19.50						
1.4	16QAM	3	0	19.47	19.53	19.42						
1.4	16QAM	3	3	19.41	19.58	19.55	19.1	3				
1.4	16QAM	3	0	19.45	19.53	19.39						
1.4	16QAM	3	3	19.47	19.53	19.42						
1.4	16QAM	3	0	19.45	19.53	19.39	17.1	5				
1.4	16QAM	3	3	19.41	19.58	19.55						
1.4	16QAM	3	3	19.47	19.53	19.42						
1.4	16QAM	3	0	19.45	19.53	19.39	17.1	5				
1.4	16QAM	3	3	19.41	19.58	19.55						
1.4	16QAM	3	3	19.47	19.53	19.42						
1.4	16QAM	3	0	19.45	19.53	19.39	17.1	5				
1.4	16QAM	3	3	19.41	19.58	19.55						
1.4	16QAM	3</										

Band 38 Ant7 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (mHz)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2590	2595	2610						
20	QPSK	1	0	21.61	21.68	21.60	23.3	0				
20	QPSK	1	49	21.48	21.64	21.57						
20	QPSK	1	99	21.57	21.62	21.55						
20	QPSK	50	0	20.65	20.71	20.57						
20	QPSK	50	24	20.45	20.61	20.52	22.3	1				
20	QPSK	50	50	20.52	20.62	20.51						
20	QPSK	100	0	20.59	20.68	20.64						
20	16QAM	1	0	20.62	20.65	20.64						
20	16QAM	1	49	20.49	20.68	20.51	22.3	1				
20	16QAM	1	99	20.57	20.61	20.51						
20	16QAM	50	0	19.59	19.69	19.62						
20	16QAM	50	24	19.40	19.65	19.52						
20	16QAM	50	50	19.49	19.62	19.47	21.3	2				
20	16QAM	100	0	19.65	19.73	19.63						
20	64QAM	1	0	19.60	19.60	19.61						
20	64QAM	1	99	19.61	19.55	19.48						
20	64QAM	50	0	18.63	18.66	18.55	20.3	3				
20	64QAM	50	24	18.47	18.56	18.54						
20	64QAM	50	50	18.49	18.57	18.56						
20	64QAM	100	0	18.47	18.68	18.68						
20	256QAM	1	0	16.64	16.72	16.62	18.3	5				
20	256QAM	1	49	16.41	16.66	16.50						
20	256QAM	1	99	16.48	16.64	16.46						
20	256QAM	50	0	16.53	16.66	16.65						
20	256QAM	50	24	16.63	16.65	16.62	18.3	5				
20	256QAM	50	50	16.50	16.62	16.54						
20	256QAM	100	0	16.53	16.63	16.56						
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5	Rate up		MPR (dB)			
15	QPSK	1	0	21.53	21.54	21.50	23.3	0				
15	QPSK	1	37	21.46	21.54	21.45						
15	QPSK	1	74	21.54	21.52	21.44						
15	QPSK	36	0	20.54	20.59	20.54						
15	QPSK	36	20	20.35	20.59	20.49	22.3	1				
15	QPSK	36	39	20.46	20.57	20.44						
15	QPSK	75	0	20.50	20.54	20.59						
15	16QAM	1	0	20.57	20.63	20.59						
15	16QAM	1	37	20.43	20.56	20.47	22.3	1				
15	16QAM	1	74	20.44	20.54	20.39						
15	16QAM	36	0	19.46	19.56	19.50						
15	16QAM	36	20	19.31	19.60	19.47						
15	16QAM	36	39	19.42	19.59	19.36	21.3	2				
15	16QAM	75	0	19.62	19.63	19.58						
15	64QAM	1	0	19.57	19.47	19.56						
15	64QAM	1	37	19.42	19.65	19.45						
15	64QAM	1	74	19.57	19.50	19.34	20.3	3				
15	64QAM	36	0	18.54	18.61	18.47						
15	64QAM	36	20	18.34	18.50	18.49						
15	64QAM	36	39	18.47	18.47	18.44						
15	64QAM	75	0	18.55	18.64	18.64	18.3	5				
15	256QAM	1	0	16.56	16.60	16.52						
15	256QAM	1	37	16.38	16.52	16.45						
15	256QAM	1	74	16.43	16.62	16.37						
15	256QAM	36	0	16.43	16.57	16.53						
15	256QAM	36	20	16.56	16.60	16.50						
15	256QAM	36	39	16.43	16.50	16.40	18.3	5				
15	256QAM	75	0	16.47	16.50	16.52						
Channel				37175	38000	38200						
Frequency (MHz)				2575	2595	2615			Rate up	MPR (dB)		
10	QPSK	1	0	21.49	21.54	21.47	23.3		0			
10	QPSK	1	25	21.40	21.58	21.52						
10	QPSK	1	49	21.48	21.51	21.53						
10	QPSK	25	0	20.58	20.69	20.49						
10	QPSK	25	12	20.33	20.59	20.44	22.3	1				
10	QPSK	25	25	20.42	20.57	20.49						
10	QPSK	50	0	20.49	20.55	20.51						
10	16QAM	1	0	20.48	20.56	20.54						
10	16QAM	1	25	20.43	20.56	20.38	22.3	1				
10	16QAM	1	49	20.47	20.52	20.41						
10	16QAM	25	0	19.54	19.65	19.60						
10	16QAM	25	12	19.50	19.54	19.46						
10	16QAM	25	25	19.37	19.50	19.43	21.3	2				
10	16QAM	50	0	19.55	19.64	19.54						
10	64QAM	1	0	19.58	19.57	19.50						
10	64QAM	1	25	19.40	19.67	19.46						
10	64QAM	1	49	19.54	19.44	19.46	20.3	3				
10	64QAM	25	0	18.56	18.60	18.51						
10	64QAM	25	12	18.43	18.43	18.42						
10	64QAM	25	25	18.43	18.49	18.52						
10	64QAM	50	0	18.45	18.63	18.61	18.3	5				
10	256QAM	1	0	16.52	16.60	16.51						
10	256QAM	1	25	16.36	16.63	16.37						
10	256QAM	1	49	16.44	16.60	16.33						
10	256QAM	25	0	16.50	16.60	16.57						
10	256QAM	25	12	16.56	16.61	16.50						
10	256QAM	25	25	16.43	16.57	16.47						
10	256QAM	50	0	16.44	16.53	16.48						
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5	Rate up	MPR (dB)				
5	QPSK	1	0	21.53	21.52	21.54	23.3	0				
5	QPSK	1	12	21.44	21.60	21.51						
5	QPSK	1	24	21.46	21.58	21.45						
5	QPSK	12	0	20.59	20.63	20.43						
5	QPSK	12	7	20.34	20.53	20.45	22.3	1				
5	QPSK	12	13	20.40	20.52	20.44						
5	QPSK	25	0	20.50	20.59	20.61						
5	16QAM	1	0	20.56	20.60	20.55						
5	16QAM	1	12	20.43	20.59	20.42	22.3	1				
5	16QAM	1	24	20.44	20.57	20.38						
5	16QAM	12	0	19.50	19.59	19.50						
5	16QAM	12	7	19.30	19.59	19.47						
5	16QAM	12	13	19.46	19.53	19.43	21.3	2				
5	16QAM	25	0	19.59	19.64	19.54						
5	64QAM	1	0	19.56	19.57	19.56						
5	64QAM	1	12	19.36	19.70	19.44						
5	64QAM	1	24	19.49	19.44	19.42	20.3	3				
5	64QAM	12	0	18.59	18.55	18.46						
5	64QAM	12	7	18.38	18.45	18.42						
5	64QAM	12	13	18.42	18.47	18.54						
5	64QAM	25	0	18.49	18.60	18.66	18.3	5				
5	256QAM	1	0	16.57	16.68	16.50						
5	256QAM	1	12	16.36	16.52	16.36	18.3	5				
5	256QAM	1	24	16.42	16.57	16.34						
5	256QAM	12	0	16.39	16.61	16.63						
5	256QAM	12	7	16.52	16.57	16.48						
5	256QAM	12	13	16.37	16.52	16.43						
5	256QAM	25	0	16.50	16.59	16.50						

Band 42 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time	MPR (dB)	
Channel									
Frequency (MHz)				42150	42590	42990			
				3450	3500	3540			
20	QPSK	1	0	24.82	24.86	24.87			
20	QPSK	1	49	24.81	25.02	24.88		20	0
20	QPSK	1	99	24.88	24.97	24.87			
20	QPSK	50	0	23.94	24.15	23.97			
20	QPSK	50	24	23.92	24.10	24.03		25	1
20	QPSK	50	50	23.89	24.00	23.93			
20	QPSK	100	0	24.04	24.12	24.00			
20	16QAM	1	0	23.97	24.06	23.99			
20	16QAM	1	49	23.97	24.07	23.99		25	1
20	16QAM	1	99	24.00	24.11	23.94			
20	16QAM	50	0	22.92	23.03	22.95			
20	16QAM	50	24	23.04	23.06	23.08		24	2
20	16QAM	50	50	22.95	23.10	22.97			
20	16QAM	100	0	22.97	23.08	23.03			
20	64QAM	1	0	22.90	23.15	22.95			
20	64QAM	1	49	22.93	23.18	22.97		24	2
20	64QAM	1	99	22.98	23.14	23.02			
20	64QAM	50	0	21.89	22.12	22.03			
20	64QAM	50	24	21.98	22.12	22.04			
20	64QAM	50	50	22.04	22.13	21.93		23	3
20	64QAM	100	0	21.95	22.12	21.93			
20	256QAM	1	0	19.95	20.07	20.07			
20	256QAM	1	49	19.94	20.13	19.97		21	5
20	256QAM	1	99	19.95	20.02	19.96			
20	256QAM	50	0	19.88	20.08	20.00			
20	256QAM	50	24	19.91	20.13	20.00		21	5
20	256QAM	50	50	19.97	20.18	19.92			
20	256QAM	100	0	19.88	20.10	20.05			
Channel									
Frequency (MHz)				3457.5	3500	3542.5		MPR (dB)	
15	QPSK	1	0	24.84	25.00	24.89			
15	QPSK	1	37	24.76	24.93	24.76		20	0
15	QPSK	1	74	24.83	24.88	24.73			
15	QPSK	36	0	23.90	23.97	23.86			
15	QPSK	36	20	23.83	24.02	23.95		25	1
15	QPSK	36	39	23.75	23.88	23.83			
15	QPSK	75	0	23.92	24.05	23.95			
15	16QAM	1	0	23.86	24.00	23.86			
15	16QAM	1	37	23.86	23.93	23.85		25	1
15	16QAM	1	74	23.95	24.03	23.81			
15	16QAM	36	0	22.83	22.88	22.84			
15	16QAM	36	20	22.91	23.00	22.86			
15	16QAM	36	39	22.80	23.00	22.89		24	2
15	16QAM	75	0	22.86	22.96	22.96			
15	64QAM	1	0	22.80	23.10	22.81			
15	64QAM	1	37	22.78	23.07	22.80		24	2
15	64QAM	1	74	22.91	23.00	22.88			
15	64QAM	36	0	21.85	22.06	21.88			
15	64QAM	36	20	21.85	21.98	21.98		23	3
15	64QAM	36	39	21.93	22.07	21.81			
15	64QAM	75	0	21.80	22.06	21.85			
15	256QAM	1	0	19.85	20.01	19.92			
15	256QAM	1	37	19.79	20.06	19.90		21	5
15	256QAM	1	74	19.80	19.96	19.89			
15	256QAM	36	0	19.75	19.97	19.90			
15	256QAM	36	20	19.87	19.98	19.91		21	5
15	256QAM	36	39	19.91	20.02	19.78			
15	256QAM	75	0	19.76	19.97	19.92			
Channel									
Frequency (MHz)				42140	42590	43040		MPR (dB)	
				3454	3500	3546			
10	QPSK	1	0	24.83	24.84	24.86			
10	QPSK	1	25	24.78	24.86	24.74		20	0
10	QPSK	1	49	24.79	24.90	24.76			
10	QPSK	25	0	23.82	23.93	23.83			
10	QPSK	25	12	23.83	23.96	23.91		25	1
10	QPSK	25	25	23.85	23.96	23.81			
10	QPSK	50	0	23.95	24.00	23.86			
10	16QAM	1	0	23.83	23.90	23.92			
10	16QAM	1	25	23.80	23.94	23.91		25	1
10	16QAM	1	49	23.85	24.02	23.86			
10	16QAM	25	0	22.83	22.94	22.92			
10	16QAM	25	12	22.97	22.99	22.96		24	2
10	16QAM	25	25	22.80	22.99	22.92			
10	16QAM	50	0	22.85	22.98	22.94			
10	64QAM	1	0	22.75	23.03	22.85			
10	64QAM	1	25	22.79	23.07	22.85		24	2
10	64QAM	1	49	22.90	23.03	22.89			
10	64QAM	25	0	21.80	21.94	21.86			
10	64QAM	25	12	21.91	22.07	21.94		23	3
10	64QAM	25	25	21.99	22.03	21.78			
10	64QAM	50	0	21.83	22.03	21.86			
10	256QAM	1	0	19.87	19.92	20.00		21	5
10	256QAM	1	25	19.81	20.02	19.87			
10	256QAM	1	49	19.86	19.97	19.85			
10	256QAM	25	0	19.76	20.04	19.94			
10	256QAM	25	12	19.78	20.00	19.93		21	5
10	256QAM	25	25	19.95	20.06	19.95			
10	256QAM	50	0	19.74	20.05	19.94			
Channel									
Frequency (MHz)				42115	42590	43065		MPR (dB)	
				3452.5	3500	3547.5			
5	QPSK	1	0	24.83	24.90	24.82			
5	QPSK	1	12	24.76	24.80	24.81		20	0
5	QPSK	1	24	24.75	24.92	24.79			
5	QPSK	12	0	23.90	23.92	23.81			
5	QPSK	12	7	23.81	24.01	23.90		25	1
5	QPSK	12	13	23.78	23.90	23.94			
5	QPSK	25	0	23.95	24.03	23.93			
5	16QAM	1	0	23.87	24.00	23.83			
5	16QAM	1	12	23.85	23.97	23.94		25	1
5	16QAM	1	24	23.95	24.00	23.82			
5	16QAM	12	0	22.83	22.96	22.91			
5	16QAM	12	7	22.96	22.99	22.95		24	2
5	16QAM	12	13	22.90	23.05	22.92			
5	16QAM	25	0	22.84	22.92	22.88			
5	64QAM	1	0	22.82	22.96	22.83			
5	64QAM	1	12	22.89	23.09	22.90		24	2
5	64QAM	1	24	22.83	23.07	22.93			
5	64QAM	12	0	21.83	22.02	21.90			
5	64QAM	12	7	21.88	22.07	21.93		23	3
5	64QAM	12	13	21.86	22.07	21.79			
5	64QAM	25	0	21.90	22.06	21.87			
5	256QAM	1	0	19.89	19.96	20.00			
5	256QAM	1	12	19.88	20.06	19.89		21	5
5	256QAM	1	24	19.97	19.90	19.87			
5	256QAM	12	0	19.82	20.03	19.94			
5	256QAM	12	7	19.77	19.99	19.95		21	5
5	256QAM	12	13	19.87	20.06	19.77			
5	256QAM	25	0	19.75	20.05	19.97			

Band 48 Ant10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (s)	MPR (dB)
Channel									
Frequency (MHz)				55340	55830	56150	56640		
				3590	3609	3641	3690		
20	QPSK	1	0	23.29	23.57	23.31	23.36		
20	QPSK	1	49	23.37	23.38	23.30	23.36		25
20	QPSK	1	99	23.48	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47		
20	QPSK	50	24	22.47	22.51	22.49	22.54		24
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47		
20	16QAM	1	49	22.52	22.55	22.55	22.52		24
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40		
20	16QAM	50	24	21.46	21.59	21.47	21.54		23
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51		
20	64QAM	1	49	21.40	21.50	21.40	21.48		23
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47		
20	64QAM	50	24	20.38	20.60	20.39	20.50		22
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36		
20	256QAM	1	49	18.47	18.55	18.52	18.46		20
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.48	18.48	18.35		20
20	256QAM	50	24	18.42	18.55	18.46	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.37		20
20	256QAM	100	0	18.51	18.51	18.48	18.31		
Frequency (MHz)				5657.5	5699	5692	5692.5	1000 up	MPR (dB)
15	QPSK	1	0	23.21	23.48	23.22	23.22		
15	QPSK	1	37	23.30	23.31	23.22	23.26		25
15	QPSK	1	74	23.40	23.35	23.33	23.25		
15	QPSK	36	0	22.30	22.30	22.35	22.30		
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	39	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.38		
15	16QAM	1	0	22.24	22.42	22.30	22.35		
15	16QAM	1	37	22.44	22.48	22.42	22.40		24
15	16QAM	1	74	23.21	22.38	22.35	22.38		
15	16QAM	36	0	21.35	21.54	21.38	21.35		
15	16QAM	36	20	21.37	21.45	21.38	21.46		23
15	16QAM	36	39	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	64QAM	1	0	21.37	21.46	21.34	21.39		23
15	64QAM	1	37	21.28	21.37	21.26	21.31		
15	64QAM	1	74	21.23	21.41	21.38	21.35		
15	64QAM	36	0	20.29	20.37	20.29	20.33		
15	64QAM	36	20	20.32	20.55	20.33	20.37		22
15	64QAM	36	39	20.42	20.51	20.38	20.32		
15	64QAM	75	0	20.37	20.47	20.35	20.38		
15	256QAM	1	0	18.30	18.48	18.38	18.27		
15	256QAM	1	37	18.31	18.46	18.41	18.36		20
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45		
15	256QAM	36	20	18.30	18.43	18.41	18.23		20
15	256QAM	36	39	18.30	18.50	18.44	18.33		
15	256QAM	75	0	18.31	18.45	18.38	18.35		
Channel				55590	55816	56185	56696	1000 up	MPR (dB)
Frequency (MHz)				5607.5	5608	56105	56095		
10	QPSK	1	0	23.23	23.44	23.15	23.20		
10	QPSK	1	25	23.31	23.33	23.14	23.22		25
10	QPSK	1	49	23.41	23.34	23.31	23.27		
10	QPSK	25	0	22.37	22.37	22.37	22.42		
10	QPSK	25	12	22.37	22.39	22.35	22.40		24
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38		
10	16QAM	1	0	22.24	22.44	22.25	22.32		24
10	16QAM	1	25	22.35	22.45	22.35	22.40		
10	16QAM	1	49	23.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.36		
10	16QAM	25	12	21.36	21.47	21.31	21.49		
10	16QAM	25	25	21.37	21.38	21.44	21.28		23
10	64QAM	1	0	21.36	21.47	21.25	21.37		
10	64QAM	1	0	21.38	21.40	21.34	21.44		
10	64QAM	1	25	21.32	21.34	21.27	21.36		23
10	64QAM	1	49	21.25	21.26	21.24	21.35		
10	64QAM	25	0	20.25	20.25	20.29	20.36		22
10	64QAM	25	12	20.31	20.44	20.32	20.39		
10	64QAM	25	25	20.34	20.55	20.41	20.37		
10	64QAM	50	0	20.30	20.43	20.33	20.25		
10	64QAM	50	12	20.36	20.48	20.38	20.40		20
10	64QAM	50	25	20.34	20.45	20.46	20.38		
10	256QAM	1	0	18.34	18.45	18.46	18.38		20
10	256QAM	1	49	18.41	18.42	18.30	18.27		
10	256QAM	25	0	18.38	18.42	18.41	18.31		
10	256QAM	25	12	18.46	18.46	18.38	18.32		20
10	256QAM	25	25	18.41	18.48	18.36	18.48		
Channel				55829	55810	56179	56474	1000 up	MPR (dB)
Frequency (MHz)				5608.5	56012	56122	56097.5		
5	QPSK	1	0	23.22	23.42	23.11	23.20		
5	QPSK	1	12	23.32	23.33	23.25	23.24		25
5	QPSK	1	24	23.41	23.33	23.34	23.25		
5	QPSK	12	0	22.32	22.56	22.36	22.41		
5	QPSK	12	13	22.40	22.49	22.39	22.42		24
5	QPSK	12	13	22.28	22.45	22.34	22.45		
5	QPSK	25	0	22.27	22.47	22.32	22.35		
5	16QAM	1	0	22.34	22.51	22.31	22.40		24
5	16QAM	1	12	22.39	22.47	22.41	22.41		
5	16QAM	1	24	22.52	22.47	22.32	22.47		
5	16QAM	12	0	21.20	21.48	21.33	21.31		
5	16QAM	12	7	21.34	21.55	21.31	21.41		23
5	16QAM	12	13	21.33	21.49	21.41	21.32		
5	16QAM	25	0	21.29	21.42	21.29	21.34		
5	64QAM	1	0	21.25	21.46	21.32	21.47		
5	64QAM	1	12	21.30	21.43	21.31	21.34		23
5	64QAM	1	24	21.31	21.52	21.30	21.31		
5	64QAM	1	0	20.24	20.43	20.29	20.36		22
5	64QAM	12	0	20.25	20.45	20.25	20.38		
5	64QAM	25	0	20.20	20.54	20.31	20.29		
5	256QAM	1	0	18.49	18.37	18.38	18.24		20
5	256QAM	1	12	18.32	18.4	18.41	18.38		
5	256QAM	24	18	18.30	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34		20
5	256QAM	12	7	18.37	18.50	18.32	18.26		
5	256QAM	12	13	18.4	18.4	18.32	18.38		20
5	256QAM	25	0	18.39	18.43	18.34	18.38		

Reduced Power Mode for DSH_Main PA

GSM850 AnT0 DSH1									
GSM850 AnT0	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame-Average Power (dBm)			Time-up Limit (dBm)	
	TX Channel	128	189		251	128	189		
Frequency (MHz)	924.2	930.4	940.8	940.8	924.2	930.4	940.8	940.8	
DSM 1 Tx slot	33.53	33.23	33.61	34.00	24.51	24.23	24.61	25.00	
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00	
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00	
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94	
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00	
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00	
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00	
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94	
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	18.00	
WCDMA V AnT0 DSH1									
Band	WCDMA V			Time-up Limit (dBm)					
TX Channel	4132	4162	4233						
Rx Channel	4357	4407	4458						
Frequency (MHz)	898.4	898.4	868.6						
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00				
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00				
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00				
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00				
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50				
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50				
3GPP Rel 8	DC-HSDPA Subtest-1	23.45	23.40	23.37	24.00				
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00				
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50				
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50				
3GPP Rel 6	HSPA Subtest-1	23.39	23.43	23.36	24.00				
3GPP Rel 6	HSPA Subtest-2	21.46	21.45	21.33	22.00				
3GPP Rel 6	HSPA Subtest-3	22.38	22.39	22.38	23.00				
3GPP Rel 6	HSPA Subtest-4	21.44	21.47	21.39	22.00				
3GPP Rel 6	HSPA Subtest-5	23.42	23.41	23.36	24.00				
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50				

Band 5 Ant0 DSI1										Band 12 Ant0 DSI1										Band 13 Ant0 DSI1										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)	High (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	High (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	High (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	High (dB)			
Channel 23495										Channel 23060										Channel 23230										Channel 23780												
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)												
10	QPSK	1	0	25.17	25.25	25.18				10	QPSK	1	0	25.10	25.16	25.14					10	QPSK	1	0			25.14						10	QPSK	1	0	25.10	25.27	25.22			
10	QPSK	1	25	25.04	25.20	25.08	25.7	0		10	QPSK	1	25	24.96	25.10	25.12	25.7	0			10	QPSK	1	25			25.07						10	QPSK	1	25	25.07	25.15	25.20	25.7	0	
10	QPSK	1	49	25.04	25.17	25.14				10	QPSK	1	49	25.04	25.08	25.01					10	QPSK	1	49			25.04						10	QPSK	1	49	25.14	25.13	25.12			
10	QPSK	25	0	24.13	24.28	24.12				10	QPSK	25	0	24.16	24.18	24.16					10	QPSK	25	0			24.16						10	QPSK	25	0	24.24	24.28	24.22			
10	QPSK	25	12	24.06	24.24	24.13	24.7	1		10	QPSK	25	12	24.00	24.15	24.13	24.7	1			10	QPSK	25	12			24.14						10	QPSK	25	12	24.07	24.22	24.19	24.7	1	
10	QPSK	25	25	24.03	24.14	24.10				10	QPSK	25	25	24.01	24.08	24.02					10	QPSK	25	25			24.01						10	QPSK	25	25	24.04	24.13	24.14			
10	QPSK	50	0	24.22	24.27	24.21				10	QPSK	50	0	24.15	24.19	24.09					10	QPSK	50	0			24.15						10	QPSK	50	0	24.18	24.25	24.16			
10	16QAM	1	0	24.12	24.26	24.23				10	16QAM	1	0	24.09	24.14	24.12					10	16QAM	1	0			24.06						10	16QAM	1	0	24.22	24.16	24.25			
10	16QAM	1	25	24.05	24.14	24.09	24.7	1		10	16QAM	1	25	23.92	24.13	24.08	24.7	1			10	16QAM	1	25			24.13						10	16QAM	1	25	24.00	24.18	24.14	24.7	1	
10	16QAM	1	49	24.00	24.18	24.18				10	16QAM	1	49	24.02	24.06	24.05					10	16QAM	1	49			24.07						10	16QAM	1	49	24.06	24.09	24.13			
10	16QAM	25	0	23.18	23.27	23.18				10	16QAM	25	0	23.12	23.20	23.19					10	16QAM	25	0			23.17						10	16QAM	25	0	23.15	23.28	23.28			
10	16QAM	25	12	23.08	23.30	23.12	23.7	2		10	16QAM	25	12	23.05	23.09	23.11					10	16QAM	25	12			23.04						10	16QAM	25	12	23.02	23.19	23.19			
10	16QAM	25	25	22.99	23.10	23.14				10	16QAM	25	25	22.99	23.02	23.02	23.7	2			10	16QAM	25	25			23.02						10	16QAM	25	25	23.08	23.07	23.13	23.7	2	
10	16QAM	50	0	23.28	23.21	23.24				10	16QAM	50	0	23.11	23.16	23.14					10	16QAM	50	0			23.18						10	16QAM	50	0	23.23	23.28	23.18			
10	16QAM	1	0	23.08	23.27	23.27				10	16QAM	1	0	23.12	23.20	23.10					10	16QAM	1	0			23.20						10	16QAM	1	0	23.24	23.25	23.21			
10	16QAM	1	25	22.99	23.09	23.06	23.7	2		10	16QAM	1	25	22.96	23.17	23.06	23.7	2			10	16QAM	1	25			23.13						10	16QAM	1	25	23.08	23.19	23.13	23.7	2	
10	16QAM	1	49	23.01	23.22	23.21				10	16QAM	1	49	23.03	23.09	23.02					10	16QAM	1	49			23.02						10	16QAM	1	49	23.16	23.19	23.08			
10	16QAM	25	0	22.13	22.22	22.08				10	16QAM	25	0	22.18	22.18	22.18					10	16QAM	25	0			22.20						10	16QAM	25	0	22.23	22.21	22.21			
10	16QAM	25	12	22.00	22.25	22.11	22.7	3		10	16QAM	25	12	21.96	22.15	22.17					10	16QAM	25	12			22.10						10	16QAM	25	12	22.00	22.19	22.20			
10	16QAM	25	25	22.06	22.11	22.14				10	16QAM	25	25	21.99	22.10	22.01	22.7	3			10	16QAM	25	25			22.04						10	16QAM	25	25	22.02	22.17	22.13	22.7	3	
10	16QAM	50	0	22.16	22.23	22.18				10	16QAM	50	0	22.19	22.19	22.04					10	16QAM	50	0			22.06						10	16QAM	50	0	22.32	22.30	22.07			
10	256QAM	1	0	20.16	20.33	20.15				10	256QAM	1	0	20.13	20.14	20.14					10	256QAM	1	0			20.15						10	256QAM	1	0	20.24	20.18	20.20			
10	256QAM	1	25	20.05	20.20	20.08	20.7	5		10	256QAM	1	25	20.03	20.13	20.13	20.7	5			10	256QAM	1	25			20.08						10	256QAM	1	25	20.12	20.17	20.28	20.7	5	
10	256QAM	1	49	20.07	20.10	20.05				10	256QAM	1	49	20.00	20.12	19.99					10	256QAM	1	49			20.16						10	256QAM	1	49	20.09	20.20	20.07			
10	256QAM	25	0	20.26	20.32	20.21				10	256QAM	25	0	20.13	20.13	20.08					10	256QAM	25	0			20.16						10	256QAM	25	0	20.16	20.26	20.18			
10	256QAM	25	12	20.09	20.24	20.18	20.7	5		10	256QAM	25	12	20.13	20.20	20.13	20.7	5			10	256QAM	25	12			20.24						10	256QAM	25	12	20.20	20.31	20.27	20.7	5	
10	256QAM	25	25	20.01	20.13	20.05				10	256QAM	25	25	19.96	20.08	20.03					10	256QAM	25	25			20.04						10	256QAM	25	25	19.92	20.19	20.14			
10	256QAM	50	0	20.03	20.17	20.18				10	256QAM	50	0	20.06	20.05	20.03					10	256QAM	50	0			20.02						10	256QAM	50	0	20.19	20.13	20.17			
Channel 825.5										Channel 701.5										Channel 779.5										Channel 706.5												
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)												
5	QPSK	1	0	25.08	25.14	25.10				5	QPSK	1	0	25.07	25.07	25.07					5	QPSK	1	0			27.09			27.05			5	QPSK	1	0	25.07	25.14	25.13			
5	QPSK	1	12	24.98	25.09	25.04	25.7	0		5	QPSK	1	12	24.89	25.03	24.99	25.7	0			5	QPSK	1	12			24.97			24.98			5	QPSK	1	12	25.05	25.07	25.07	25.7	0	
5	QPSK	1	24	24.95	25.04	25.06				5	QPSK	1	24	24.94	25.02	24.91					5	QPSK	1	24			24.96			25.02	24.94		5	QPSK	1	24	25.11	25.08	25.03			
5	QPSK	12	0	24.10	24.23	24.05				5	QPSK	12	0	24.13	24.04	24.04					5	QPSK	12	0			24.13			24.12	24.14		5	QPSK	12	0	24.14	24.17	24.08			
5	QPSK	12	7	23.95	24.17	24.09	24.7	1		5	QPSK	12	7	23.97	24.02	24.05	24.7	1			5	QPSK	12	7			24.10			24.04	24.14		5	QPSK	12	7	23.93	24.20	24.11			
5	QPSK	12	13	23.98	24.03	24.00				5	QPSK	12	13	23.97	23.99	23.92					5	QPSK	12	13			23.93			23.92	23.92		5	QPSK	12	13	23.97	24.03	24.05	24.7	1	
5	QPSK	25	0	24.18	24.17	24.09				5	QPSK	25	0	24.02	24.04	23.95					5	QPSK	25	0			24.09			24.05	24.13		5	QPSK	25	0	24.07	24.18	24.14			
5	16QAM	1	0	24.01	24.14	24.15	24.7	1		5	16QAM	1	0	24.03	24.09	24.07					5	16QAM	1	0			23.94			23.95	24.03		5	16QAM	1	0	24.14	24.12	24.19			
5	16QAM	1	12	24.01	24.10	24.04				5	16QAM	1	12	23.82	24.11	24.05	24.7	1			5	16QAM	1	12			24.04			24.12	24.07		5	16QAM	1	12	23.95	24.14	24.00	24.7	1	
5	16QAM	1	24	23.91	24.07	24.14				5	16QAM	1	24	24.00	23.95	24.02					5	16QAM	1	24			24.03			23.95	24.00		5	16QAM	1	24	23.94	24.00	24.06			
5	16QAM	12	0	23.10	23.20	23.05				5	16QAM	12	0	23.10	23.10	23.18					5	16QAM	12	0			23.10			23.16	23.16		5	16QAM	12	0	23.03	23.23	23.25			
5	16QAM	12	7	23.05	23.17	23.02	23.7	2		5	16QAM	12	7	22.90	23.06	23.06	23.7	2			5	16QAM	12</																			

Band 26 Ant0 DS11										Band 71 Ant0 DS11													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Middle Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Tune-up limit (dBm)	MPR (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Middle Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Tune-up limit (dBm)	MPR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
15	QPSK	1	0	24.95	25.04	25.01	25.7	0		20	QPSK	1	0	25.13	25.14	25.08	25.7	0					
15	QPSK	1	37	24.82	24.94	24.97				20	QPSK	1	49	25.06	25.11	25.00			25.00				
15	QPSK	1	74	24.89	24.90	24.89				20	QPSK	1	99	25.12	25.07	24.98			24.98				
15	QPSK	36	0	24.07	24.12	23.96	24.7	1		20	QPSK	50	0	24.17	24.19	24.11	24.7	1					
15	QPSK	36	20	23.84	24.04	23.99				20	QPSK	50	24	24.01	24.16	24.02			24.01				
15	QPSK	36	39	23.84	23.95	23.99				20	QPSK	50	24	23.96	24.10	23.99			23.99				
15	QPSK	75	0	23.98	24.05	23.94	24.7	1		20	QPSK	100	0	24.12	24.16	24.10	24.7	1					
15	16QAM	1	0	24.08	24.00	24.11				20	16QAM	1	0	24.07	24.13	24.14			24.14				
15	16QAM	1	37	23.74	24.03	23.95				20	16QAM	1	49	24.07	24.14	23.99			24.10				
15	16QAM	1	74	23.87	23.85	23.91	23.7	2		20	16QAM	1	99	24.08	24.12	23.97	23.7	2					
15	16QAM	36	20	22.83	23.10	22.97				20	16QAM	50	0	23.18	23.28	23.13			23.13				
15	16QAM	36	39	22.87	22.98	22.95				20	16QAM	50	24	23.06	23.13	23.00			23.00				
15	16QAM	75	0	23.04	23.04	22.93	23.7	2		20	16QAM	50	50	23.16	23.15	22.98	23.7	2					
15	64QAM	1	0	23.02	23.00	23.00				20	16QAM	100	0	23.11	23.17	23.15			23.15				
15	64QAM	1	37	22.87	23.00	22.91				20	64QAM	1	0	23.09	23.12	23.18			23.18				
15	64QAM	1	74	22.92	22.96	22.91	23.7	2		20	64QAM	1	49	23.12	23.14	23.02	23.7	2					
15	64QAM	36	0	22.05	21.99	22.03				20	64QAM	1	99	23.06	23.13	22.99			23.00				
15	64QAM	36	20	21.78	22.04	22.14				20	64QAM	50	0	22.20	22.18	22.08			22.08				
15	64QAM	36	39	21.85	21.87	21.92	22.7	3		20	64QAM	50	24	22.20	22.10	22.01	22.7	3					
15	64QAM	75	0	22.13	22.12	21.84				20	64QAM	50	50	22.08	22.16	22.06			22.06				
15	256QAM	1	0	20.05	19.97	20.05				20	64QAM	100	0	22.17	22.12	22.07			22.07				
15	256QAM	1	37	19.91	19.97	20.05	20.7	5		20	256QAM	1	0	20.13	20.24	20.13	20.7	5					
15	256QAM	1	74	19.92	19.96	19.89				20	256QAM	1	49	20.07	20.17	20.07			20.07				
15	256QAM	36	0	19.92	20.12	20.00				20	256QAM	1	99	20.13	20.12	20.01			20.01				
15	256QAM	36	20	19.97	20.08	20.01	20.7	5		20	256QAM	50	0	20.12	20.12	20.13	20.7	5					
15	256QAM	36	39	19.66	20.00	19.92				20	256QAM	50	24	20.06	20.10	20.17			20.17				
15	256QAM	75	0	19.94	19.88	19.94				20	256QAM	50	50	20.10	20.15	19.96			19.96				
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
10	QPSK	1	0	24.83	24.92	24.97	25.7	0		15	QPSK	1	0	25.01	25.04	24.97	25.7	0					
10	QPSK	1	25	24.72	24.90	24.86				15	QPSK	1	37	24.96	25.01	24.91			24.91				
10	QPSK	1	49	24.80	24.85	24.82				15	QPSK	1	74	25.03	25.04	24.94			24.94				
10	QPSK	25	0	24.05	24.10	23.87	24.7	1		15	QPSK	36	0	24.17	24.19	24.11	24.7	1					
10	QPSK	25	12	23.81	23.96	23.95				15	QPSK	36	20	23.93	24.11	23.97			23.97				
10	QPSK	25	25	23.76	23.89	23.98				15	QPSK	36	39	24.05	23.98	23.95			23.95				
10	QPSK	50	0	23.93	24.00	23.94	24.7	1		15	QPSK	75	0	24.00	24.09	24.07	24.7	1					
10	16QAM	1	0	24.01	23.92	24.10				15	16QAM	1	0	24.00	24.02	24.00			24.00				
10	16QAM	1	25	23.64	23.94	23.87				15	16QAM	1	37	23.95	24.08	23.98			23.98				
10	16QAM	1	49	23.84	23.83	23.91	23.7	2		15	16QAM	1	74	23.87	23.86	23.91	23.7	2					
10	16QAM	25	0	22.89	22.99	23.09				15	16QAM	36	0	23.12	23.07	23.04			23.04				
10	16QAM	25	12	22.81	22.87	22.87				15	16QAM	36	20	23.01	23.03	22.87			22.87				
10	16QAM	25	25	22.77	22.89	22.86	23.7	2		15	16QAM	36	39	23.12	23.06	22.94	23.7	2					
10	16QAM	50	0	22.98	23.01	22.88				15	16QAM	75	0	23.04	23.10	23.05			23.05				
10	64QAM	1	0	22.96	22.89	23.00				15	64QAM	1	37	23.07	23.24	23.19			23.19				
10	64QAM	1	25	22.76	22.93	22.80	22.7	3		15	64QAM	1	74	22.99	23.10	22.93	22.7	3					
10	64QAM	1	49	22.86	22.87	22.90				15	64QAM	1	99	23.07	23.10	22.93			22.93				
10	64QAM	25	0	21.84	21.88	21.95				15	64QAM	1	74	22.95	23.00	22.89			22.89				
10	64QAM	25	12	21.70	21.99	22.04	22.7	3		15	64QAM	36	0	22.16	22.06	22.05	22.7	3					
10	64QAM	25	25	21.76	21.96	21.81				15	64QAM	36	20	21.88	21.96	21.95			21.95				
10	64QAM	50	0	22.12	22.11	21.73				15	64QAM	36	39	22.05	22.12	21.92			21.92				
10	256QAM	1	0	19.95	19.90	20.00	20.7	5		15	256QAM	1	0	20.09	20.14	20.11	20.7	5					
10	256QAM	1	25	19.89	19.97	20.02				15	256QAM	1	37	19.96	20.14	20.10			20.10				
10	256QAM	1	49	19.85	19.88	19.79				15	256QAM	1	74	19.99	20.05	19.90			19.90				
10	256QAM	25	0	19.80	20.00	19.97	20.7	5		15	256QAM	36	0	20.01	20.02	20.05	20.7	5					
10	256QAM	25	12	19.92	20.04	19.98				15	256QAM	36	20	20.09	20.09	20.04			20.04				
10	256QAM	25	25	19.60	19.92	19.85				15	256QAM	36	39	20.06	20.10	19.83			19.83				
10	256QAM	50	0	19.83	19.85	19.82	20.7	5		15	256QAM	75	0	19.94	20.04	19.93	20.7	5					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
5	QPSK	1	0	24.91	24.93	24.97	25.7	0		15	QPSK	1	0	25.04	25.04	24.95	25.7	0					
5	QPSK	1	12	24.80	24.89	24.87				10	QPSK	1	25	25.00	25.01	24.94			24.94				
5	QPSK	1	24	24.77	24.81	24.78				10	QPSK	1	49	25.07	25.09	24.94			24.94				
5	QPSK	12	0	24.03	24.12	23.93	24.7	1		10	QPSK	25	0	24.12	24.15	24.07	24.7	1					
5	QPSK	12	7	23.84	24.02	23.87				10	QPSK	25	12	23.98	24.04	23.98			23.98				
5	QPSK	12	13	23.83	23.95	23.88				10	QPSK	25	25	24.00	23.99	23.94			23.94				
5	QPSK	25	0	23.91	24.04	23.94	24.7	1		10	QPSK	50	0	24.03	24.05	24.04	24.7	1					
5	16QAM	1	0	24.01	23.95	24.02				10	64QAM	1	0	24.03	24.07	24.04			24.04				
5	16QAM	1	12	23.73	23.92	23.87				10	64QAM	1	25	23.95	24.02	23.98			23.98				
5	16QAM	1	24	23.82	23.79	23.86	23.7	2		10	16QAM	1	49	23.96	24.06	23.83	23.7	2					
5	16QAM	12	0	22.91	23.00	23.07				10	16QAM	25	0	23.15	22.99	22.96			22.96				
5	16QAM	12	7	22.83	22.92	22.97				10	16QAM	25	12	22.93	23.03	22.89			22.89				
5	16QAM	12	13	22.85	22.87	22.88	23.7	2		10	16QAM	25	25	23.03	23.03	22.87	23.7	2					
5	16QAM	25	0	23.00	22.96	22.90				10	16QAM	50	0	23.07	23.10	23.00			23.00				
5	64QAM	1	0	22.98	22.88	22.98				10	64QAM	1	0	22.99	22.99	23.08			23.08				
5	64QAM	1	12	22.85	22.93	22.88	23.7	2		10	64QAM	1	25	23.00	23.10	22.95	23.7	2					
5	64QAM	1	24	22.84	22.95	22.87				10	64QAM	1	49	22.99	22.99	22.88			22.88				
5	64QAM	12	0	22.03	21.87	21.82				10	64QAM	25	0	22.14	22.08	21.99			21.99				
5	64QAM	12	7	21.72	21.92	22.02	22.7	3		10	64QAM	25	12	22.93	23.03	22.89	22.7	3					
5	64QAM	12	13	21.73	21.92	21.80				10	64QAM	25	25	23.03	23.03	22.87			22.87				
5	64QAM	25	0	22.05	22.01	21.74				10	64QAM	50	0	22.07	22.04	21.96			21.96				
5	256QAM	1	0	19.84	19.92	20.05	20.7	5		10	256QAM	1	0	20.06	20.14	20.01	20.7	5					
5	256QAM	1	12	19.88	19.92	20.04				10	256QAM	1	25	20.02	20.12	20.03			20.03				
5	256QAM	1	24	19.80	19.87	19.86				10	256QAM	1	49	20.03	20.09	19.91			19.91				
5	256QAM	12	0	19.85	20.07	19.98	20.7																

GSM850 Ant1 DSI1							
GSM850		Burst Average Power (dBm)			Frame-Average Power (dBm)		
TX Channel		128	189	251	Limit		
Frequency (MHz)		128	189	251	Limit		
GSM 1 Tx slot		30.54	30.71	30.67	32.15	21.54	21.71
GPRS 1 Tx slot		30.60	30.69	30.70	32.10	21.60	21.69
GPRS 2 Tx slot		27.83	27.87	27.78	29.10	21.83	21.87
GPRS 3 Tx slot		25.70	25.96	26.00	27.30	21.49	21.70
GPRS 4 Tx slot		24.48	24.59	24.53	26.10	21.48	21.59
EDGE 1 Tx slot		27.12	27.23	27.16	28.90	18.12	18.23
EDGE 2 Tx slot		23.79	24.01	23.70	25.50	17.79	18.01
EDGE 3 Tx slot		21.91	22.11	21.86	23.30	17.65	17.85
EDGE 4 Tx slot		19.91	20.12	20.19	21.50	16.91	17.12
WCDMA V Ant1 DSI1							
Band		WCDMA V			Time-up		
TX Channel		4152	4162	4233	Limit		
Rx Channel		4357	4407	4458	Limit		
Frequency (MHz)		436.4	436.4	446.8			
3GPP Rel 99 AMR 12.2Kbps		21.12	21.10	21.08	22.00		
3GPP Rel 99 RMC 12.2Kbps		21.10	21.15	21.11	22.00		
3GPP Rel 6 HSDPA Subtest-1		20.26	20.21	20.16	21.00		
3GPP Rel 6 HSDPA Subtest-2		20.18	20.20	20.15	21.00		
3GPP Rel 6 HSDPA Subtest-3		19.66	19.77	19.64	20.50		
3GPP Rel 6 HSDPA Subtest-4		19.65	19.80	19.65	20.50		
3GPP Rel 8 DC-HSDPA Subtest-1		20.19	20.17	20.05	21.00		
3GPP Rel 8 DC-HSDPA Subtest-2		20.23	20.20	20.14	21.00		
3GPP Rel 8 DC-HSDPA Subtest-3		19.71	19.63	19.71	20.50		
3GPP Rel 8 DC-HSDPA Subtest-4		19.74	19.65	19.67	20.50		
3GPP Rel 6 HSUPA Subtest-1		20.29	20.23	20.09	21.00		
3GPP Rel 6 HSUPA Subtest-2		18.20	18.15	18.11	19.00		
3GPP Rel 6 HSUPA Subtest-3		18.20	18.19	18.22	20.00		
3GPP Rel 6 HSUPA Subtest-4		18.11	18.12	18.13	19.00		
3GPP Rel 6 HSUPA Subtest-5		20.26	20.23	20.19	21.00		
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		17.71	17.63	17.67	18.50		

Band 5 Ant1 DS1									
SW [MHz]	Module on	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)									
				829	836.5	844			
10	QPSK	1	0	21.08	21.11	21.06			
10	QPSK	1	25	21.04	21.04	21.07	21.7	0	
10	QPSK	1	49	20.99	21.00	21.00			
10	QPSK	25	0	20.97	21.08	21.08			
10	QPSK	25	12	21.04	21.01	21.02			
10	QPSK	25	25	20.95	20.98	20.95	21.7	0	
10	QPSK	50	0	21.06	21.07	20.99			
10	16QAM	1	0	20.95	21.00	20.96			
10	16QAM	1	25	20.95	20.91	20.89	21.7	0	
10	16QAM	1	49	20.89	20.85	20.95			
10	16QAM	25	0	20.94	20.95	20.92			
10	16QAM	25	12	21.00	20.96	20.91			
10	16QAM	25	25	20.84	20.91	20.91	21.7	0	
10	16QAM	50	0	20.98	20.97	20.96			
10	16QAM	1	0	21.00	20.99	21.01			
10	64QAM	1	25	20.91	20.95	20.86	21.7	0	
10	64QAM	1	49	20.94	20.93	20.89			
10	64QAM	25	0	20.92	20.94	20.94			
10	64QAM	25	12	21.02	20.91	20.88	21.7	0	
10	64QAM	25	25	20.91	20.92	20.89			
10	64QAM	50	0	20.99	20.97	20.93			
10	256QAM	1	0	20.07	20.16	20.03			
10	256QAM	1	25	20.08	20.05	20.01	20.7	1	
10	256QAM	1	49	19.97	19.94	19.96			
10	256QAM	25	0	20.00	20.10	19.96			
10	256QAM	25	12	20.01	20.01	19.98			
10	256QAM	25	25	19.91	19.99	19.92	20.7	1	
10	256QAM	50	0	20.04	20.09	19.96			
Channel									
Frequency (MHz)									
				826.5	836.5	846.5			
5	QPSK	1	0	20.98	20.98	21.01			
5	QPSK	1	24	20.94	20.87	19.85	21.7	0	
5	QPSK	1	24	20.94	20.95	20.89			
5	QPSK	12	0	20.93	20.98	20.94			
5	QPSK	12	7	21.01	20.92	20.99	21.7	0	
5	QPSK	12	13	20.92	20.95	20.92			
5	QPSK	25	0	21.02	20.94	20.94			
5	16QAM	1	0	20.99	20.98	20.97			
5	16QAM	1	24	20.87	20.88	20.76	21.7	0	
5	16QAM	1	24	20.84	20.84	20.92			
5	16QAM	12	0	20.87	20.84	20.85			
5	16QAM	12	7	20.94	20.86	20.86	21.7	0	
5	16QAM	12	13	20.81	20.80	20.85			
5	16QAM	25	0	20.96	20.89	20.90			
5	64QAM	1	0	20.94	20.91	20.99			
5	64QAM	1	12	20.80	20.93	20.80	21.7	0	
5	64QAM	1	24	20.89	20.89	20.83			
5	64QAM	12	0	20.87	20.86	20.91			
5	64QAM	12	7	20.97	20.87	20.94	21.7	0	
5	64QAM	12	13	20.78	20.84	20.85			
5	64QAM	25	0	20.91	20.86	20.83			
5	256QAM	1	0	20.02	20.11	19.95			
5	256QAM	1	12	19.94	19.95	19.97	20.7	1	
5	256QAM	1	24	19.94	19.87	19.85			
5	256QAM	12	0	19.88	20.07	19.93			
5	256QAM	12	7	19.95	19.97	19.95	20.7	1	
5	256QAM	12	13	19.87	19.92	19.87			
5	256QAM	25	0	19.96	20.06	19.93			
Channel									
Frequency (MHz)									
				826.5	836.5	847.5			
3	QPSK	1	0	21.00	21.08	21.04			
3	QPSK	1	8	21.01	20.92	20.88	21.7	0	
3	QPSK	1	14	20.89	20.97	20.87			
3	QPSK	8	0	20.88	20.99	20.88			
3	QPSK	8	4	20.91	20.93	20.89	21.7	0	
3	QPSK	8	7	20.87	20.92	20.85			
3	QPSK	15	0	21.03	20.96	20.94			
3	16QAM	1	0	20.84	20.94	20.89			
3	16QAM	1	8	20.91	20.84	20.90	21.7	0	
3	16QAM	1	14	20.79	20.75	20.87			
3	16QAM	8	0	20.90	20.82	20.85			
3	16QAM	8	4	20.97	20.87	20.94	21.7	0	
3	16QAM	8	7	20.77	20.88	20.87			
3	16QAM	15	0	20.95	20.87	20.86			
3	64QAM	1	0	20.89	20.88	20.79	21.7	0	
3	64QAM	1	8	20.87	20.90	20.79			
3	64QAM	1	14	20.96	20.80	20.82			
3	64QAM	8	0	20.87	20.81	20.84			
3	64QAM	8	4	20.88	20.86	20.75	21.7	0	
3	64QAM	8	7	20.72	20.82	20.83			
3	64QAM	15	0	20.97	20.95	20.88			
3	256QAM	1	0	20.02	20.03	19.96	20.7	1	
3	256QAM	1	8	20.03	20.00	19.97			
3	256QAM	1	14	19.94	19.84	19.92			
3	256QAM	8	0	19.90	20.05	19.92			
3	256QAM	8	4	19.89	19.91	19.90	20.7	1	
3	256QAM	8	7	19.83	19.86	19.83			
3	256QAM	15	0	19.93	20.06	19.91			
Channel									
Frequency (MHz)									
				824.7	836.5	848.3			
1.4	QPSK	1	0	21.05	21.01	20.96			
1.4	QPSK	1	3	21.01	20.92	20.93	21.7	0	
1.4	QPSK	1	5	20.90	20.94	20.87			
1.4	QPSK	3	0	20.89	21.06	20.91			
1.4	QPSK	3	1	21.02	20.97	20.92			
1.4	QPSK	3	3	20.87	20.87	20.82			
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0	
1.4	16QAM	1	0	20.86	20.93	20.94			
1.4	16QAM	1	3	20.87	20.82	20.79			
1.4	16QAM	1	5	20.75	20.82	20.89	21.7	0	
1.4	16QAM	3	0	20.83	20.90	20.79			
1.4	16QAM	3	1	20.89	20.83	20.87			
1.4	16QAM	3	3	20.76	20.79	20.81			
1.4	16QAM	6	0	20.96	20.94	20.93	21.7	0	
1.4	64QAM	1	0	20.84	20.93	20.95			
1.4	64QAM	1	3	20.78	20.91	20.83	21.7	0	
1.4	64QAM	1	5	20.88	20.91	20.83			
1.4	64QAM	3	0	20.88	20.92	20.84			
1.4	64QAM	3	1	20.92	20.88	20.82			
1.4	64QAM	3	3	20.70	20.84	20.88	21.7	0	
1.4	64QAM	6	0	20.99	20.87	20.80			
1.4	256QAM	1	0	19.97	20.09	19.97	20.7	1	
1.4	256QAM	1	3	20.04	20.03	19.90			
1.4	256QAM	1	5	19.86	19.88	19.85			
1.4	256QAM	3	0	19.89	20.04	19.87	20.7	1	
1.4	256QAM	3	1	19.95	19.93	19.86			
1.4	256QAM	3	3	19.88	19.87	19.80			
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1	

Band 12 Ant1 DS1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				704	707.5	711			
10	QPSK	1	0	24.28	24.32	24.28			
10	QPSK	1	25	24.20	24.27	24.14	24.7	0	
10	QPSK	1	49	24.22	24.26	24.16			
10	QPSK	25	0	24.25	24.30	24.14			
10	QPSK	25	12	24.20	24.19	24.21			
10	QPSK	25	25	24.17	24.25	24.17	24.7	0	
10	QPSK	50	0	24.15	24.28	24.23			
10	16QAM	1	0	24.18	24.26	24.21			
10	16QAM	1	25	24.06	24.13	24.04	24.7	0	
10	16QAM	1	49	24.20	24.22	24.15			
10	16QAM	25	0	23.31	23.37	23.27			
10	16QAM	25	12	23.19	23.26	23.11			
10	16QAM	25	25	23.21	23.21	23.16	23.7	1	
10	16QAM	50	0	23.29	23.31	23.17			
10	64QAM	1	0	23.23	23.21	23.23			
10	64QAM	1	25	23.20	23.22	23.23	23.7	1	
10	64QAM	1	49	23.17	23.34	23.26			
10	64QAM	25	0	22.26	22.37	22.29			
10	64QAM	25	12	22.17	22.27	22.20	22.7	2	
10	64QAM	25	25	22.23	22.34	22.19			
10	256QAM	1	0	20.26	20.38	20.20			
10	256QAM	1	25	20.25	20.29	20.19	20.7	4	
10	256QAM	1	49	20.23	20.23	20.16			
10	256QAM	25	0	20.24	20.26	20.16			
10	256QAM	25	12	20.22	20.20	20.22	20.7	4	
10	256QAM	25	25	20.13	20.21	20.20			
10	256QAM	50	0	20.20	20.34	20.25			
Channel									
				705	707.5	711.5			
Frequency (MHz)									
5	QPSK	1	0	24.19	24.26	24.17			
5	QPSK	1	12	24.12	24.16	24.10	24.7	0	
5	QPSK	1	24	24.18	24.24	24.06			
5	QPSK	12	0	24.16	24.22	24.02			
5	QPSK	7	0	24.15	24.18	24.11	24.7	0	
5	QPSK	12	13	24.10	24.20	24.06			
5	QPSK	25	0	24.04	24.18	24.12			
5	16QAM	1	0	24.05	24.13	24.13	24.7	0	
5	16QAM	1	12	23.98	24.07	23.92			
5	16QAM	24	0	24.10	24.19	24.07			
5	16QAM	12	0	23.97	24.05	23.82	23.7	1	
5	16QAM	12	7	23.96	23.93	23.80			
5	16QAM	12	13	23.19	23.17	23.13			
5	16QAM	25	0	23.22	23.25	23.11			
5	16QAM	1	0	23.18	23.08	23.13	23.7	1	
5	64QAM	1	12	23.13	23.11	23.11			
5	64QAM	24	0	23.09	23.20	23.12			
5	64QAM	12	0	22.15	22.31	22.27	22.7	2	
5	64QAM	12	7	22.11	22.15	22.18			
5	64QAM	12	13	22.19	22.25	22.09			
5	64QAM	25	0	22.18	22.23	22.15			
5	64QAM	1	0	22.16	22.27	22.09	20.7	4	
5	64QAM	1	12	20.17	20.22	20.18			
5	256QAM	1	24	20.15	20.18	20.14			
5	256QAM	12	0	20.14	20.19	20.04	20.7	4	
5	256QAM	12	7	20.18	20.16	20.20			
5	256QAM	12	13	20.11	20.18	20.07			
5	256QAM	25	0	20.10	20.13	20.20			
Channel									
				705.5	707.5	711.5			
Frequency (MHz)									
3	QPSK	1	0	24.22	24.22	24.22			
3	QPSK	1	8	24.14	24.24	24.03	24.7	0	
3	QPSK	1	14	24.08	24.17	24.11			
3	QPSK	8	0	24.19	24.26	24.01			
3	QPSK	8	7	24.08	24.07	24.13	24.7	0	
3	QPSK	8	7	24.08	24.13	24.06			
3	QPSK	15	0	24.11	24.18	24.19			
3	16QAM	1	0	24.09	24.18	24.12	24.7	0	
3	16QAM	1	8	23.98	24.01	23.92			
3	16QAM	1	14	24.14	24.18	24.14			
3	16QAM	8	0	23.18	23.27	23.23	23.7	1	
3	16QAM	8	4	23.11	23.25	23.00			
3	16QAM	8	7	23.10	23.15	23.12			
3	16QAM	15	0	23.19	23.23	23.07			
3	64QAM	1	0	23.20	23.07	23.16	23.7	1	
3	64QAM	1	8	23.11	23.11	23.11			
3	64QAM	1	14	23.09	23.26	23.13			
3	64QAM	8	0	22.17	22.25	22.21			
3	64QAM	8	4	22.11	22.20	22.14	22.7	2	
3	64QAM	8	7	22.20	22.23	22.12			
3	64QAM	15	0	22.20	22.21	22.16			
3	256QAM	1	8	20.12	20.24	20.06	20.7	4	
3	256QAM	1	14	20.17	20.14	20.14			
3	256QAM	8	0	20.18	20.16	20.10			
3	256QAM	8	4	20.11	20.12	20.12	20.7	4	
3	256QAM	8	7	20.17	20.17	20.18			
3	256QAM	15	0	20.17	20.28	20.17			
Channel									
				699.7	707.5	715.3			
Frequency (MHz)									
1.4	QPSK	1	0	24.21	24.24	24.19			
1.4	QPSK	1	3	24.08	24.21	24.00	24.7	0	
1.4	QPSK	1	5	24.13	24.16	24.13			
1.4	QPSK	3	0	24.10	24.19	24.07			
1.4	QPSK	3	1	24.17	24.09	24.17			
1.4	QPSK	3	3	24.11	24.23	24.12			
1.4	QPSK	6	0	24.05	24.18	24.09	24.7	0	
1.4	16QAM	1	0	24.15	24.16	24.12			
1.4	16QAM	3	0	24.01	24.06	24.06			
1.4	16QAM	1	5	24.03	24.09	24.08	24.7	0	
1.4	16QAM	3	3	23.89	23.90	23.85			
1.4	16QAM	6	0	23.21	23.29	23.14	23.7	1	
1.4	16QAM	3	3	23.08	23.18	23.12			
1.4	64QAM	1	5	23.13	23.32	23.13	23.7	1	
1.4	64QAM	3	0	23.16	23.16	23.10			
1.4	64QAM	3	1	23.02	22.98	23.17			
1.4	64QAM	3	3	22.86	23.06	23.17			
1.4	256QAM	1	0	22.13	22.27	22.05	22.7	2	
1.4	256QAM	1	0	23.13	20.34	20.12			
1.4	256QAM	1	3	20.22	20.21	20.07			
1.4	256QAM	1	5	20.18	20.09	20.09	20.7	4	
1.4	256QAM	3	0	20.15	20.14	20.13			
1.4	256QAM	3	3	20.17	20.08	20.08			
1.4	256QAM	3	3	20.07	20.17	20.14			
1.4	256QAM	6	0	20.12	20.25	20.18			

Band 17 Ant1 DSI1									
BW (MHz)	Module on	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	24.13	24.20	24.17			
10	QPSK	1	25	24.07	24.13	23.99	24.7	0	
10	QPSK	1	49	24.09	24.15	24.13			
10	QPSK	1	0	24.15	24.18	24.09			
10	QPSK	25	12	24.14	24.12	24.13			
10	QPSK	25	25	24.04	24.13	24.05	24.7	0	
10	QPSK	50	0	24.08	24.15	24.09			
10	16QAM	1	0	24.05	24.11	24.16			
10	16QAM	1	25	23.96	24.09	23.98			
10	16QAM	1	49	24.08	24.14	24.10	24.7	0	
10	16QAM	25	0	23.16	23.29	23.15			
10	16QAM	25	12	23.08	23.16	23.07			
10	16QAM	25	25	23.09	23.15	23.03	23.7	1	
10	16QAM	50	0	23.24	23.20	23.08			
10	16QAM	1	0	23.00	23.08	23.11			
10	16QAM	1	25	23.08	23.16	23.10	23.7	1	
10	16QAM	1	49	23.06	23.28	23.15			
10	16QAM	25	0	22.16	22.22	22.17			
10	16QAM	25	12	22.02	22.17	22.09			
10	16QAM	25	25	22.20	22.14	22.00	22.7	2	
10	16QAM	50	0	22.14	22.21	22.10			
10	256QAM	1	0	20.12	20.26	20.04			
10	256QAM	1	25	20.18	20.16	20.07	20.7	4	
10	256QAM	1	49	20.13	20.17	20.08			
10	256QAM	25	0	20.09	20.14	20.08			
10	256QAM	25	12	20.16	20.11	20.11			
10	256QAM	25	25	20.08	20.09	20.08	20.7	4	
10	256QAM	50	0	20.15	20.24	20.14			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.05	24.07	24.11			
5	QPSK	1	12	23.93	23.97	23.87	24.7	0	
5	QPSK	1	24	23.97	24.07	24.04			
5	QPSK	12	0	24.11	24.13	23.98			
5	QPSK	12	7	23.99	24.03	24.05	24.7	0	
5	QPSK	12	13	23.89	23.97	23.95			
5	QPSK	25	0	23.67	24.07	23.96			
5	16QAM	1	0	24.00	24.03	24.06			
5	16QAM	1	12	23.83	23.97	23.73	24.7	0	
5	16QAM	1	24	23.94	24.08	23.95			
5	16QAM	12	0	23.12	23.14	23.09			
5	16QAM	12	7	23.00	23.01	23.02	23.7	1	
5	16QAM	12	13	22.96	23.04	22.97			
5	16QAM	25	0	23.14	23.13	23.03			
5	16QAM	1	0	22.98	22.98	22.96			
5	16QAM	1	12	22.93	23.09	22.98	23.7	1	
5	16QAM	1	24	22.98	23.17	23.01			
5	16QAM	12	0	22.10	22.08	22.01			
5	16QAM	12	7	21.97	22.02	22.02	22.7	2	
5	16QAM	12	13	22.16	22.06	21.88			
5	16QAM	25	0	21.99	22.06	22.02			
5	256QAM	1	0	20.08	20.14	19.89			
5	256QAM	1	12	20.08	20.11	19.95	20.7	4	
5	256QAM	1	24	20.07	20.10	19.95			
5	256QAM	12	0	20.00	20.05	20.03			
5	256QAM	12	7	20.08	20.07	19.98	20.7	4	
5	256QAM	12	13	19.93	20.03	19.93			
5	256QAM	25	0	20.01	20.19	20.00			

Band 26 Ant1 DSI1									
BW (MHz)	Modulation on Channel	RB Size	RB Offset (MHz)	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	21.14	21.15	21.08			
15	QPSK	1	37	21.06	21.12	20.98	21.7	0	
15	QPSK	1	74	21.06	21.03	21.08			
15	QPSK	36	0	21.05	21.14	21.00			
15	QPSK	36	20	21.03	21.10	21.03	21.7	0	
15	QPSK	36	39	20.94	20.96	21.03			
15	QPSK	75	0	21.07	21.10	21.07			
15	16QAM	1	0	20.94	21.08	21.01			
15	16QAM	1	37	20.93	20.97	20.92	21.7	0	
15	16QAM	1	74	20.90	20.87	20.94			
15	16QAM	36	0	20.98	20.95	21.00			
15	16QAM	36	20	21.04	20.95	20.94	21.7	0	
15	16QAM	36	39	20.92	20.89	20.91			
15	16QAM	75	0	21.03	20.95	20.99			
15	16QAM	1	0	21.01	21.02	21.00			
15	16QAM	1	37	20.99	20.99	20.84	21.7	0	
15	16QAM	1	74	20.91	20.98	20.92			
15	16QAM	36	0	20.98	21.02	20.92			
15	16QAM	36	20	21.02	20.90	20.89	21.7	0	
15	16QAM	36	39	20.91	20.93	20.96			
15	16QAM	75	0	21.08	21.05	20.91			
15	256QAM	1	0	20.10	20.14	20.10			
15	256QAM	1	37	20.14	20.10	20.05	20.7	1	
15	256QAM	1	74	20.03	20.01	20.00			
15	256QAM	36	0	20.00	20.12	20.02			
15	256QAM	36	20	20.02	20.02	19.95	20.7	1	
15	256QAM	36	39	19.95	19.99	19.91			
15	256QAM	75	0	20.11	20.11	20.05			
Channel									
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.00	21.11	20.99			
10	QPSK	1	25	21.00	21.04	20.87	21.7	0	
10	QPSK	1	49	21.02	20.90	21.00			
10	QPSK	25	0	20.94	21.03	20.93			
10	QPSK	25	12	20.93	20.98	21.00	21.7	0	
10	QPSK	25	25	20.89	20.85	20.98			
10	QPSK	50	0	21.04	21.01	21.02			
10	16QAM	1	0	20.83	20.96	20.91			
10	16QAM	1	25	20.87	20.85	20.88	21.7	0	
10	16QAM	1	49	20.80	20.74	20.82			
10	16QAM	25	0	20.91	20.84	20.97			
10	16QAM	25	12	21.01	20.92	20.81	21.7	0	
10	16QAM	25	25	20.89	20.87	20.87			
10	16QAM	50	0	20.95	20.83	20.86			
10	16QAM	1	0	20.88	20.92	21.01			
10	16QAM	1	25	20.87	20.90	20.75	21.7	0	
10	16QAM	1	49	20.81	20.94	20.80			
10	16QAM	25	0	20.88	20.90	20.89			
10	16QAM	25	12	20.81	20.78	20.83	21.7	0	
10	16QAM	25	25	20.83	20.82	20.93			
10	16QAM	50	0	21.02	20.99	20.82			
10	256QAM	1	0	20.06	20.06	20.07	20.7	1	
10	256QAM	1	25	20.00	20.02	19.94			
10	256QAM	1	49	20.00	20.00	19.95			
10	256QAM	25	0	19.97	20.06	19.95			
10	256QAM	25	12	19.92	20.00	19.87	20.7	1	
10	256QAM	25	25	19.91	19.96	19.86			
10	256QAM	50	0	20.08	20.08	19.97			
Channel									
Frequency (MHz)				26715	26865	26965			
Frequency (MHz)				816	831.5	845.5			
5	QPSK	1	0	21.01	21.02	20.99			
5	QPSK	1	12	20.98	21.01	20.90	21.7	0	
5	QPSK	1	24	20.93	21.00	20.95			
5	QPSK	12	0	20.96	21.04	20.92			
5	QPSK	12	7	20.98	21.04	20.94	21.7	0	
5	QPSK	12	13	20.87	20.83	20.96			
5	QPSK	25	0	21.04	21.01	21.04			
5	16QAM	1	0	20.82	21.03	20.94			
5	16QAM	1	12	20.83	20.91	20.89	21.7	0	
5	16QAM	1	24	20.77	20.80	20.87			
5	16QAM	12	0	20.87	20.85	20.90			
5	16QAM	12	7	20.91	20.78	20.83	21.7	0	
5	16QAM	12	13	20.83	20.84	20.88			
5	16QAM	25	0	20.96	20.82	20.92			
5	16QAM	25	0	20.92	20.95	21.03	21.7	0	
5	16QAM	1	12	20.88	20.91	20.78			
5	16QAM	1	24	20.85	20.87	20.85			
5	16QAM	12	0	20.90	20.97	20.83			
5	16QAM	12	7	20.97	20.84	20.78	21.7	0	
5	16QAM	12	13	20.88	20.89	20.83			
5	16QAM	25	0	20.95	20.95	20.83			
5	256QAM	1	0	19.99	20.06	19.99			
5	256QAM	1	12	20.01	20.03	19.93	20.7	1	
5	256QAM	1	24	19.91	19.95	19.95			
5	256QAM	12	0	19.94	19.99	19.91			
5	256QAM	12	7	19.96	19.97	19.82	20.7	1	
5	256QAM	12	13	19.86	19.92	19.79			
5	256QAM	25	0	20.00	20.03	19.93			
Channel									
Frequency (MHz)				816	831.5	847.5			
3	QPSK	1	0	21.05	21.02	21.01			
3	QPSK	1	8	20.99	21.00	20.93			
3	QPSK	1	14	20.95	21.00	21.04			
3	QPSK	8	0	20.98	21.08	20.92	21.7	0	
3	QPSK	8	4	20.97	21.03	20.90			
3	QPSK	15	0	21.03	21.02	21.00			
3	16QAM	1	0	20.92	21.03	20.88			
3	16QAM	1	8	20.84	20.85	20.86	21.7	0	
3	16QAM	1	14	20.80	20.82	20.92			
3	16QAM	8	0	20.90	20.92	20.93			
3	16QAM	8	4	20.96	20.91	20.85	21.7	0	
3	16QAM	8	7	20.81	20.80	20.84			
3	16QAM	15	0	20.97	20.86	20.96			
3	16QAM	1	0	20.90	20.99	21.07			
3	16QAM	1	8	20.88	20.87	20.74	21.7	0	
3	16QAM	1	14	20.84	20.94	20.81			
3	16QAM	8	0	20.92	20.91	20.90			
3	16QAM	8	4	20.91	20.82	20.78	21.7	0	
3	16QAM	8	7	20.82	20.80	20.87			
3	16QAM	15	0	20.98	21.03	20.82			
3	256QAM	1	0	20.10	20.14	20.10			
3	256QAM	1	8	20.05	20.07	19.92	20.7	1	
3	256QAM	1	14	19.92	19.98	19.94			
3	256QAM	8	0	19.89	20.05	19.91			
3	256QAM	8	4	19.89	19.92	19.82	20.7	1	
3	256QAM	8	7	19.80	19.93	19.84			
3	256QAM	15	0	20.03	20.07	20.01			
Channel									
Frequency (MHz)				26897	26965	27033			
1.4	QPSK	1	0	21.17	21.10	21.21			
1.4	QPSK	1	3	20.94	21.09	20.93	21.7	0	
1.4	QPSK	1	5	20.97	20.97	21.01			
1.4	QPSK	1	8	21.01	21.01	20.98	21.7	0	
1.4	QPSK	3	3	20.89	20.97	20.89			
1.4	QPSK	6	3	20.90	20.84	20.98			
1.4	16QAM	1	0	21.03	21.00	21.04	21.7	0	
1.4	16QAM	1	3	20.82	21.04	20.98			
1.4	16QAM	1	5	20.82	20.88	20.87			
1.4	16QAM	1	8	20.87	20.75	20.81	21.7	0	
1.4	16QAM	3	3	20.88	20.84	20.81			
1.4	16QAM	3	6	20.88	20.81	20.85			
1.4	16QAM	6	3	20.98	20.84	20.91			
1.4	16QAM	1	5	20.86	20.93	20.86	21.7	0	
1.4	16QAM	3	0	20.95	20.96	20.83			
1.4	16QAM	3	1	20.97	21.02	20.84			
1.4	16QAM	6	0	20.96	21.03	20.83	21.7	0	
1.4	256QAM	1	0	19.96	20.09	20.07			
1.4	256QAM	1	3	20.09	20.00	19.98			
1.4	256QAM	1	5	19.98	19.99	19.89	20.7	1	
1.4	256QAM	3	0	19.97	19.99	19.98			
1.4	256QAM	3	3	19.92	19.95	19.79			
1.4	256QAM	6	0	20.07	20.04	19.93	20.7	1	

GSM1900 Ant5 DS11									
GSM1900		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1920.2	1990	1999.8		1920.2	1990	1999.8	
GSM 1 Tx slot		21.53	21.83	21.83	30.00	19.53	19.83	19.83	21.00
GPRS 1 Tx slot		28.96	29.01	29.10	30.00	19.96	20.01	20.10	21.00
GPRS 2 Tx slots		25.64	25.73	25.75	27.00	19.64	19.73	19.75	21.00
GPRS 3 Tx slots		24.60	24.60	24.60	20.30	20.43	20.33	20.44	
GPRS 4 Tx slots		22.76	22.85	22.70	24.00	19.76	19.85	19.70	21.00
EDGE 1 Tx slot		25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots		22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots		21.55	21.54	21.54	22.20	17.29	17.29	17.29	17.64
EDGE 4 Tx slots		19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00
WCDMA II Ant5 DS11									
Band		WCDMA II			Time-up Limit (dBm)	WCDMA IV			Time-up Limit (dBm)
TX Channel		9262	9409	9538		1312	1413	1513	
Rx Channel		9682	9800	9938		1337	1638	1738	
Frequency (MHz)		1824.6	1849	1907.6		1724.6	1724.6	1724.6	
3GPP Rel 99	AMR 12.2Kbps	19.46	19.60	19.43	20.50	19.42	19.62	19.41	20.50
3GPP Rel 99	RMC 12.2Kbps	19.59	19.63	19.55	20.50	19.63	19.65	19.58	20.50
3GPP Rel 6	HSDPA Subtest-1	18.57	18.66	18.51	19.50	18.62	18.72	18.50	19.50
3GPP Rel 6	HSDPA Subtest-2	18.62	18.65	18.50	19.50	18.67	18.63	18.57	19.50
3GPP Rel 6	HSDPA Subtest-3	18.08	18.16	18.05	19.00	18.14	18.12	18.11	19.00
3GPP Rel 6	HSDPA Subtest-4	18.08	18.10	18.06	19.00	18.04	18.17	18.05	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.55	18.60	18.51	19.50	18.51	18.60	18.57	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.57	18.67	18.50	19.50	18.58	18.69	18.49	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.04	18.15	18.05	19.00	18.01	18.18	18.12	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.07	18.09	18.10	19.00	18.10	18.09	18.16	19.00
3GPP Rel 6	HSUPA Subtest-1	16.53	16.58	16.59	17.50	16.58	16.64	16.56	17.50
3GPP Rel 6	HSUPA Subtest-2	16.53	16.63	16.59	17.50	16.60	16.63	16.54	17.50
3GPP Rel 6	HSUPA Subtest-3	17.64	17.65	17.56	18.50	17.69	17.71	17.53	18.50
3GPP Rel 6	HSUPA Subtest-4	16.61	16.61	16.51	17.50	16.58	16.67	16.47	17.50
3GPP Rel 6	HSUPA Subtest-5	18.64	18.65	18.53	19.50	18.66	18.64	18.48	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.06	18.06	15.99	17.00	18.06	18.04	18.04	17.00

Band 2 Ant5 DS11												
RF	Modulation	RF BW	RF Ch	RF Offset	Power Ch/Freq	Power Ch/Freq	Power Ch/Freq	Power Ch/Freq	Power Ch/Freq	Time Up (min)	Time Down (min)	MFR (dB)
Channel												
Frequency (MHz)												
30	QPSK	16	0	19.70	19.70	19.70	19.73					0
30	QPSK	16	49	19.80	19.80	19.82	19.84					0
30	QPSK	16	98	19.90	19.90	19.92	19.94					0
30	QPSK	16	147	20.00	20.00	20.02	20.04					0
30	QPSK	50	24	19.80	19.84	19.74	19.70			20.5	0	0
30	QPSK	50	74	19.90	19.84	19.74	19.70			20.5	0	0
30	QPSK	100	0	19.63	19.70	19.65						0
30	QPSK	100	0	19.66	19.66	19.61						0
30	QPSK	100	0	19.69	19.69	19.64						0
30	QPSK	100	0	19.72	19.72	19.67						0
30	QPSK	100	0	19.75	19.75	19.70						0
30	QPSK	100	0	19.78	19.78	19.73						0
30	QPSK	100	0	19.81	19.81	19.76						0
30	QPSK	100	0	19.84	19.84	19.79						0
30	QPSK	100	0	19.87	19.87	19.82						0
30	QPSK	100	0	19.90	19.90	19.85						0
30	QPSK	100	0	19.93	19.93	19.88						0
30	QPSK	100	0	19.96	19.96	19.91						0
30	QPSK	100	0	19.99	19.99	19.94						0
30	QPSK	100	0	20.02	20.02	20.00						0
30	QPSK	100	0	20.05	20.05	20.03						0
30	QPSK	100	0	20.08	20.08	20.06						0
30	QPSK	100	0	20.11	20.11	20.09						0
30	QPSK	100	0	20.14	20.14	20.12						0
30	QPSK	100	0	20.17	20.17	20.15						0
30	QPSK	100	0	20.20	20.20	20.18						0
30	QPSK	100	0	20.23	20.23	20.21						0
30	QPSK	100	0	20.26	20.26	20.24						0
30	QPSK	100	0	20.29	20.29	20.27						0
30	QPSK	100	0	20.32	20.32	20.30						0
30	QPSK	100	0	20.35	20.35	20.33						0
30	QPSK	100	0	20.38	20.38	20.36						0
30	QPSK	100	0	20.41	20.41	20.39						0
30	QPSK	100	0	20.44	20.44	20.42						0
30	QPSK	100	0	20.47	20.47	20.45						0
30	QPSK	100	0	20.50	20.50	20.48						0
30	QPSK	100	0	20.53	20.53	20.51						0
30	QPSK	100	0	20.56	20.56	20.54						0
30	QPSK	100	0	20.59	20.59	20.57						0
30	QPSK	100	0	20.62	20.62	20.60						0
30	QPSK	100	0	20.65	20.65	20.63						0
30	QPSK	100	0	20.68	20.68	20.66						0
30	QPSK	100	0	20.71	20.71	20.69						0
30	QPSK	100	0	20.74	20.74	20.72						0
30	QPSK	100	0	20.77	20.77	20.75						0
30	QPSK	100	0	20.80	20.80	20.78						0
30	QPSK	100	0	20.83	20.83	20.81						0
30	QPSK	100	0	20.86	20.86	20.84						0
30	QPSK	100	0	20.89	20.89	20.87						0
30	QPSK	100	0	20.92	20.92	20.90						0
30	QPSK	100	0	20.95	20.95	20.93						0
30	QPSK	100	0	20.98	20.98	20.96						0
30	QPSK	100	0	21.01	21.01	20.99						0
30	QPSK	100	0	21.04	21.04	21.02						0
30	QPSK	100	0	21.07	21.07	21.05						0
30	QPSK	100	0	21.10	21.10	21.08						0
30	QPSK	100	0	21.13	21.13	21.11						0
30	QPSK	100	0	21.16	21.16	21.14						0
30	QPSK	100	0	21.19	21.19	21.17						0
30	QPSK	100	0	21.22	21.22	21.20						0
30	QPSK	100	0	21.25	21.25	21.23						0
30	QPSK	100	0	21.28	21.28	21.26						0
30	QPSK	100	0	21.31	21.31	21.29						0
30	QPSK	100	0	21.34	21.34	21.32						0
30	QPSK	100	0	21.37	21.37	21.35						0
30	QPSK	100	0	21.40	21.40	21.38						0
30	QPSK	100	0	21.43	21.43	21.41						0
30	QPSK	100	0	21.46	21.46	21.44						0
30	QPSK	100	0	21.49	21.49	21.47						0
30	QPSK	100	0	21.52	21.52	21.50						0
30	QPSK	100	0	21.55	21.55	21.53						0
30	QPSK	100	0	21.58	21.58	21.56						0
30	QPSK	100	0	21.61	21.61	21.59						0
30	QPSK	100	0	21.64	21.64	21.62						0
30	QPSK	100	0	21.67	21.67	21.65						0
30	QPSK	100	0	21.70	21.70	21.68						0
30	QPSK	100	0	21.73	21.73	21.71						0
30	QPSK	100	0	21.76	21.76	21.74						0
30	QPSK	100	0	21.79	21.79	21.77						0
30	QPSK	100	0	21.82	21.82	21.80						0
30	QPSK	100	0	21.85	21.85	21.83						0
30	QPSK	100	0	21.88	21.88	21.86						0
30	QPSK	100	0	21.91	21.91	21.89						0
30	QPSK	100	0	21.94	21.94	21.92						0
30	QPSK	100	0	21.97	21.97	21.95						0
30	QPSK	100	0	22.00	22.00	21.98						0
30	QPSK	100	0	22.03	22.03	22.01						0
30	QPSK	100	0	22.06	22.06	22.04						0
30	QPSK	100	0	22.09	22.09	22.07						0
30	QPSK	100	0	22.12	22.12	22.10						0
30	QPSK	100	0	22.15	22.15	22.13						0
30	QPSK	100	0	22.18	22.18	22.16						0
30	QPSK	100	0	22.21	22.21	22.19						0
30	QPSK	100	0	22.24	22.24	22.22						0
30	QPSK	100	0	22.27	22.27	22.25						0
30	QPSK	100	0	22.30	22.30	22.28						0
30	QPSK	100	0	22.33	22.33	22.31						0
30	QPSK	100	0	22.36	22.36	22.34						0
30	QPSK	100	0	22.39	22.39	22.37						0
30	QPSK	100	0	22.42	22.42	22.40						0
30	QPSK	100	0	22.45	22.45	22.43						0
30	QPSK	100	0	22.48	22.48	22.46						0
30	QPSK	100	0	22.51	22.51	22.49						0
30	QPSK	100	0	22.54	22.54	22.52						0
30	QPSK	100	0	22.57	22.57	22.55						0
30	QPSK	100	0	22.60	22.60	22.58						0
30	QPSK	100	0	22.63	22.63	22.61						0
30	QPSK	100	0	22.66	22.66	22.64						0
30	QPSK	100	0	22.69	22.69	22.67						0
30	QPSK	100	0	22.72	22.72	22.70						0
30	QPSK	100	0	22.75	22.75	22.73						0
30	QPSK	100	0	22.78	22.78	22.76						0
30	QPSK	100	0	22.81	22.81	22.79						0
30	QPSK	100	0	22.84	22.84	22.82						0
30	QPSK	100	0	22.87	22.87	22.85						0
30	QPSK	100	0	22.90	22.90	22.88						0
30	QPSK	100	0	22.93	22.93	22.91						0
30	QPSK	100	0	22.96	22.96	22.94						0
30	QPSK	100	0	22.99	22.99	22.97						0
30	QPSK	100	0	23.02	23.02	23.00						0
30	QPSK	100	0	23.05	23.05	23.03						0
30	QPSK	100	0	23.08	23.08	23.06						0
30	QPSK	100	0	23.11	23.11	23.09						0
30	QPSK	100	0	23.14	23.14	23.12						0
30	QPSK	100	0	23.17	23.17	23.15						0
30	QPSK	100	0	23.20	23.20	23.18						0
30	QPSK	100	0	23.23	23.23	23.21						0
30	QPSK	100	0	23.26	23.26	23.24						0
30	QPSK	100	0	23.29	23.29	23.27						0
30	QPSK	100	0	23.32	23.32	23.30						0
30	QPSK	100	0	23.35	23.35	23.33						0
30	QPSK	100	0	23.38	23.38	23.36						0
30	QPSK	100	0	23.41	23.41	23.39						0
30	QPSK	100	0	23.44	23.44	23.42						0
30	QPSK	100	0	23.47	23.47	23.45						0
30	QPSK	100	0	23.50	23.50	23.48						0
30	QPSK	100	0	23.53	23.53							

Band 4 Ant5 DS11										
RF	Multicast	RF	RF	Power	Power	Power	Power	Time		
Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch	Ch
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
0		19.36	19.39	19.33						
1	QPRK	8	49	19.31	19.28	19.33				2.0
2	QPRK	8	49	19.31	19.28	19.33				2.0
3	QPRK	50	0	19.23	19.38	19.30				
4	QPRK	50	24	19.20	19.27	19.28				2.0
5	QPRK	50	24	19.20	19.27	19.28				2.0
6	QPRK	100	0	19.30	19.37	19.23				
7	QPRK	100	0	19.30	19.30	19.29				
8	QPRK	100	0	19.30	19.30	19.29				2.0
9	16QAM	8	59	19.21	19.32	19.22				
10	16QAM	8	59	19.21	19.32	19.22				2.0
11	16QAM	50	19	19.26	19.39	19.24				
12	16QAM	50	19	19.26	19.39	19.24				2.0
13	16QAM	50	19	19.26	19.39	19.24				2.0
14	16QAM	50	19	19.26	19.39	19.24				2.0
15	16QAM	50	19	19.26	19.39	19.24				2.0
16	16QAM	100	50	19.33	19.30	19.21				
17	16QAM	100	50	19.33	19.30	19.21				2.0
18	16QAM	100	50	19.33	19.30	19.21				2.0
19	16QAM	100	50	19.33	19.30	19.21				2.0
20	16QAM	100	50	19.33	19.30	19.21				2.0
21	16QAM	100	50	19.33	19.30	19.21				2.0
22	16QAM	100	50	19.33	19.30	19.21				2.0
23	16QAM	100	50	19.33	19.30	19.21				2.0
24	16QAM	100	50	19.33	19.30	19.21				2.0
25	16QAM	100	50	19.33	19.30	19.21				2.0
26	16QAM	100	50	19.33	19.30	19.21				2.0
27	16QAM	100	50	19.33	19.30	19.21				2.0
28	16QAM	100	50	19.33	19.30	19.21				2.0
29	16QAM	100	50	19.33	19.30	19.21				2.0
30	16QAM	100	50	19.33	19.30	19.21				2.0
31	16QAM	100	50	19.33	19.30	19.21				2.0
32	16QAM	100	50	19.33	19.30	19.21				2.0
33	16QAM	100	50	19.33	19.30	19.21				2.0
34	16QAM	100	50	19.33	19.30	19.21				2.0
35	16QAM	100	50	19.33	19.30	19.21				2.0
36	16QAM	100	50	19.33	19.30	19.21				2.0
37	16QAM	100	50	19.33	19.30	19.21				2.0
38	16QAM	100	50	19.33	19.30	19.21				2.0
39	16QAM	100	50	19.33	19.30	19.21				2.0
40	16QAM	100	50	19.33	19.30	19.21				2.0
41	16QAM	100	50	19.33	19.30	19.21				2.0
42	16QAM	100	50	19.33	19.30	19.21				2.0
43	16QAM	100	50	19.33	19.30	19.21				2.0
44	16QAM	100	50	19.33	19.30	19.21				2.0
45	16QAM	100	50	19.33	19.30	19.21				2.0
46	16QAM	100	50	19.33	19.30	19.21				2.0
47	16QAM	100	50	19.33	19.30	19.21				2.0
48	16QAM	100	50	19.33	19.30	19.21				2.0
49	16QAM	100	50	19.33	19.30	19.21				2.0
50	16QAM	100	50	19.33	19.30	19.21				2.0
51	16QAM	100	50	19.33	19.30	19.21				2.0
52	16QAM	100	50	19.33	19.30	19.21				2.0
53	16QAM	100	50	19.33	19.30	19.21				2.0
54	16QAM	100	50	19.33	19.30	19.21				2.0
55	16QAM	100	50	19.33	19.30	19.21				2.0
56	16QAM	100	50	19.33	19.30	19.21				2.0
57	16QAM	100	50	19.33	19.30	19.21				2.0
58	16QAM	100	50	19.33	19.30	19.21				2.0
59	16QAM	100	50	19.33	19.30	19.21				2.0
60	16QAM	100	50	19.33	19.30	19.21				2.0
61	16QAM	100	50	19.33	19.30	19.21				2.0
62	16QAM	100	50	19.33	19.30	19.21				2.0
63	16QAM	100	50	19.33	19.30	19.21				2.0
64	16QAM	100	50	19.33	19.30	19.21				2.0
65	16QAM	100	50	19.33	19.30	19.21				2.0
66	16QAM	100	50	19.33	19.30	19.21				2.0
67	16QAM	100	50	19.33	19.30	19.21				2.0
68	16QAM	100	50	19.33	19.30	19.21				2.0
69	16QAM	100	50	19.33	19.30	19.21				2.0
70	16QAM	100	50	19.33	19.30	19.21				2.0
71	16QAM	100	50	19.33	19.30	19.21				2.0
72	16QAM	100	50	19.33	19.30	19.21				2.0
73	16QAM	100	50	19.33	19.30	19.21				2.0
74	16QAM	100	50	19.33	19.30	19.21				2.0
75	16QAM	100	50	19.33	19.30	19.21				2.0
76	16QAM	100	50	19.33	19.30	19.21				2.0
77	16QAM	100	50	19.33	19.30	19.21				2.0
78	16QAM	100	50	19.33	19.30	19.21				2.0
79	16QAM	100	50	19.33	19.30	19.21				2.0
80	16QAM	100	50	19.33	19.30	19.21				2.0
81	16QAM	100	50	19.33	19.30	19.21				2.0
82	16QAM	100	50	19.33	19.30	19.21				2.0
83	16QAM	100	50	19.33	19.30	19.21				2.0
84	16QAM	100	50	19.33	19.30	19.21				2.0
85	16QAM	100	50	19.33	19.30	19.21				2.0
86	16QAM	100	50	19.33	19.30	19.21				2.0
87	16QAM	100	50	19.33	19.30	19.21				2.0
88	16QAM	100	50	19.33	19.30	19.21				2.0
89	16QAM	100	50	19.33	19.30	19.21				2.0
90	16QAM	100	50	19.33	19.30	19.21				2.0
91	16QAM	100	50	19.33	19.30	19.21				2.0
92	16QAM	100	50	19.33	19.30	19.21				2.0
93	16QAM	100	50	19.33	19.30	19.21				2.0
94	16QAM	100	50	19.33	19.30	19.21				2.0
95	16QAM	100	50	19.33	19.30	19.21				2.0
96	16QAM	100	50	19.33	19.30	19.21				2.0
97	16QAM	100	50	19.33	19.30	19.21				2.0
98	16QAM	100	50	19.33	19.30	19.21				2.0
99	16QAM	100	50	19.33	19.30	19.21				2.0
100	16QAM	100	50	19.33	19.30	19.21				2.0
101	16QAM	100	50	19.33	19.30	19.21				2.0
102	16QAM	100	50	19.33	19.30	19.21				2.0
103	16QAM	100	50	19.33	19.30	19.21				2.0
104	16QAM	100	50	19.33	19.30	19.21				2.0
105	16QAM	100	50	19.33	19.30	19.21				2.0
106	16QAM	100	50	19.33	19.30	19.21				2.0
107	16QAM	100	50	19.33	19.30	19.21				2.0
108	16QAM	100	50	19.33	19.30	19.21				2.0
109	16QAM	100	50	19.33	19.30	19.21				2.0
110	16QAM	100	50	19.33	19.30	19.21				2.0
111	16QAM	100	50	19.33	19.30	19.21				2.0
112	16QAM	100	50	19.33	19.30	19.21				2.0
113	16QAM	100	50	19.33	19.30	19.21				2.0
114	16QAM	100	50	19.33	19.30	19.21				2.0
115	16QAM	100	50	19.33	19.30	19.21				2.0
116	16QAM	100	50	19.33	19.30	19.21				2.0
117	16QAM	100	50	19.33	19.30	19.21				2.0
118	16QAM	100	50	19.33	19.30	19.21				2.0
119	16QAM	100	50	19.33	19.30	19.21				2.0
120	16QAM	100	50	19.33	19.30	19.21				2.0
121	16QAM	100	50	19.33	19.30	19.21				2.0
122	16QAM	100	50	19.33	19.30	19.21				2.0
123	16QAM	100	50	19.33	19.30	19.21				2.0
124	16QAM	100	50	19.33	19.30	19.21				2.0
125	16QAM	100	50	19.33	19.30	19.21				2.0
126	16QAM	100	50	19.33	19.30	19.21				2.0
127	16QAM	100	50	19.33	19.30	19.21				2.0
128	16QAM	100	50	19.33	19.30	19.21				2.0
129	16QAM	100	50	19.33	19.30	19.21				2.0
130	16QAM	100	50	19.33	19.30	19.21				2.0
131	16QAM	100	50	19.33	19.30	19.21				2.0
132	16QAM	100	50	19.33	19.30	19.21				2.0
133	16QAM	100	50	19.33	19.30	19.21				2.0
134	16QAM	100	50	19.33	19.30	19.21				2.0
135	16QAM	100	50	19.33	19.30	19.21				2.0
136	16QAM	100	50	19.33	19.30	19.21				2.0
137	16QAM	100	50	19.33	19.30	19.21				2.0
138	16QAM	100	50	19.33	19.30	19.21				2.0
139	16QAM	100	50	19.33	19.30	19.21				2.0
140	16QAM	100	50	19.33	19.30	19.21				2.0
141	16QAM	100	50	19.33	19.30	19.21				2.0
142	16QAM	100	50	19.33	19.30	19.21				2.0
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Band 7 Ant5 DS1										
RF (MHz)	Multicast (MHz)	RB Size	RB Offset	Power Level (dBm)	Power Margin Ch. Pwr (dBm)	Power Margin Tx Pwr (dBm)	Power Margin Rx Pwr (dBm)	Turn- off (dBm)	Turn- on (dBm)	MPE (dBm)
Frequency (MHz)										
20	QPRK	1	49	17.75	17.75	17.73				0
20	QPRK	5	49	17.83	17.83	17.84				18.0
20	QPRK	9	49	17.91	17.91	17.93				18.0
20	QPRK	50	0	17.82	17.75	17.80				18.0
20	QPRK	50	24	17.81	17.85	17.83				18.0
20	QPRK	50	48	17.80	17.86	17.84				18.0
20	QPRK	100	0	17.73	17.73	17.70				18.0
20	16QAM	1	0	17.70	17.68	17.69				18.0
20	16QAM	5	0	17.78	17.76	17.77				18.0
20	16QAM	9	0	17.86	17.83	17.82				18.0
20	16QAM	50	0	17.48	17.71	17.48				18.0
20	16QAM	50	24	17.47	17.74	17.46				18.0
20	16QAM	50	48	17.46	17.72	17.51				18.0
20	16QAM	100	0	17.69	17.66	17.69				18.0
20	16QAM	100	24	17.68	17.70	17.69				18.0
20	16QAM	100	48	17.67	17.72	17.68				18.0
20	16QAM	50	24	17.56	17.56	17.54				18.0
20	16QAM	50	48	17.55	17.62	17.50				18.0
20	16QAM	100	0	17.89	17.71	17.59				18.0
20	16QAM	100	24	17.88	17.85	17.86				18.0
Channel										
20	QPRK	1	49	17.85	17.85	17.83				18.0
20	QPRK	5	49	17.93	17.93	17.94				18.0
20	QPRK	9	49	18.01	18.01	18.03				18.0
20	QPRK	50	0	17.92	17.85	17.90				18.0
20	QPRK	50	24	17.91	17.95	17.93				18.0
20	QPRK	50	48	17.90	17.96	17.94				18.0
20	QPRK	100	0	17.89	17.71	17.59				18.0
20	16QAM	1	0	17.86	17.83	17.84				18.0
20	16QAM	5	0	17.94	17.92	17.93				18.0
20	16QAM	9	0	18.02	18.00	18.01				18.0
20	16QAM	50	0	17.76	17.76	17.73				18.0
20	16QAM	50	24	17.75	17.78	17.76				18.0
20	16QAM	50	48	17.74	17.81	17.78				18.0
20	16QAM	100	0	17.97	17.94	17.95				18.0
20	16QAM	100	24	17.96	17.99	17.98				18.0
20	16QAM	100	48	17.95	18.00	17.99				18.0
Frequency (MHz)										
15	QPRK	1	39	17.56	17.56	17.50				18.0
15	QPRK	5	39	17.64	17.64	17.67				18.0
15	QPRK	9	39	17.72	17.72	17.75				18.0
15	QPRK	50	0	17.49	17.69	17.52				18.0
15	QPRK	50	24	17.58	17.63	17.56				18.0
15	QPRK	50	48	17.57	17.65	17.58				18.0
15	QPRK	100	0	17.60	17.60	17.60				18.0
15	QPRK	75	0	17.50	17.63	17.50				18.0
15	16QAM	1	0	17.59	17.56	17.53				18.0
15	16QAM	5	0	17.67	17.63	17.61				18.0
15	16QAM	9	0	17.75	17.72	17.73				18.0
15	16QAM	50	0	17.48	17.70	17.47				18.0
15	16QAM	50	24	17.47	17.73	17.46				18.0
15	16QAM	50	48	17.46	17.71	17.45				18.0
15	16QAM	100	0	17.69	17.66	17.69				18.0
15	16QAM	100	24	17.68	17.70	17.69				18.0
15	16QAM	100	48	17.67	17.72	17.68				18.0
15	16QAM	50	24	17.56	17.56	17.54				18.0
15	16QAM	50	48	17.55	17.62	17.50				18.0
15	16QAM	100	0	17.89	17.71	17.59				18.0
15	16QAM	100	24	17.88	17.85	17.86				18.0
15	16QAM	100	48	17.87	17.92	17.88				18.0
15	16QAM	50	24	17.76	17.76	17.73				18.0
15	16QAM	50	48	17.75	17.78	17.76				18.0
15	16QAM	100	0	17.97	17.94	17.95				18.0
15	16QAM	100	24	17.96	17.99	17.98				18.0
15	16QAM	100	48	17.95	18.00	17.99				18.0
Frequency (MHz)										
10	QPRK	1	29	17.06	17.06	17.00				18.0
10	QPRK	5	29	17.14	17.14	17.17				18.0
10	QPRK	9	29	17.22	17.22	17.25				18.0
10	QPRK	50	0	17.05	17.25	17.08				18.0
10	QPRK	25	12	17.14	17.15	17.08				18.0
10	QPRK	25	24	17.14	17.17	17.14				18.0
10	QPRK	25	48	17.13	17.17	17.18				18.0
10	16QAM	1	0	17.07	17.01	17.07				18.0
10	16QAM	5	0	17.15	17.07	17.17				18.0
10	16QAM	9	0	17.23	17.15	17.23				18.0
10	16QAM	50	0	17.06	17.26	17.03				18.0
10	16QAM	25	12	17.15	17.16	17.09				18.0
10	16QAM	25	24	17.15	17.18	17.17				18.0
10	16QAM	25	48	17.14	17.20	17.21				18.0
10	16QAM	50	0	17.07	17.24	17.04				18.0
10	16QAM	50	24	17.06	17.25	17.04				18.0
10	16QAM	50	48	17.05	17.21	17.06				18.0
10	16QAM	100	0	17.28	17.24	17.28				18.0
10	16QAM	25	12	17.16	17.16	17.14				18.0
10	16QAM	25	24	17.16	17.19	17.18				18.0
10	16QAM	25	48	17.15	17.21	17.22				18.0
10	16QAM	50	0	17.08	17.27	17.07				18.0
10	16QAM	50	24	17.07	17.28	17.06				18.0
10	16QAM	50	48	17.06	17.23	17.05				18.0
10	16QAM	100	0	17.29	17.25	17.29				18.0
10	16QAM	100	24	17.28	17.30	17.29				18.0
10	16QAM	100	48	17.27	17.31	17.30				18.0
10	16QAM	50	24	17.17	17.17	17.15				18.0
10	16QAM	50	48	17.16	17.21	17.19				18.0
10	16QAM	100	0	17.38	17.34	17.38				18.0
10	16QAM	100	24	17.37	17.39	17.38				18.0
10	16QAM	100	48	17.36	17.40	17.39				18.0
10	16QAM	50	24	17.27	17.27	17.25				18.0
10	16QAM	50	48	17.26	17.31	17.29				18.0
10	16QAM	100	0	17.48	17.44	17.48				18.0
10	16QAM	100	24	17.47	17.49	17.48				18.0
10	16QAM	100	48	17.46	17.50	17.49				18.0
10	16QAM	50	24	17.37	17.37	17.35				18.0
10	16QAM	50	48	17.36	17.41	17.39				18.0
10	16QAM	100	0	17.57	17.51	17.57				18.0
10	16QAM	100	24	17.56	17.58	17.57				18.0
10	16QAM	100	48	17.55	17.60	17.59				18.0
10	16QAM	50	24	17.46	17.46	17.44				18.0
10	16QAM	50	48	17.45	17.50	17.48				18.0
10	16QAM	100	0	17.67	17.63	17.67				18.0
10	16QAM	100	24	17.66	17.68	17.67				18.0
10	16QAM	100	48	17.65	17.70	17.69				18.0
10	16QAM	50	24	17.56	17.56	17.54				18.0
10	16QAM	50	48	17.55	17.62	17.50				18.0
10	16QAM	100	0	17.87	17.69	17.75				18.0
10	16QAM	100	24	17.86	17.88	17.87				18.0
10	16QAM	100	48	17.85	17.90	17.89				18.0
10	16QAM	50	24	17.76	17.76	17.73				18.0
10	16QAM	50	48	17.75	17.80	17.78				18.0
10	16QAM	100	0	17.97	17.93	17.97				18.0
10	16QAM	100	24	17.96	17.98	17.97				18.0
10	16QAM	100	48	17.95	18.00	17.99				18.0
Frequency (MHz)										
5	QPRK	1	12	17.07	17.07	17.00				18.0
5	QPRK	5	12	17.15	17.15	17.18				18.0
5	QPRK	9	12	17.23	17.23	17.25				18.0
5	QPRK	50	0	17.06	17.26	17.03				18.0
5	QPRK	12	7	17.14	17.14	17.08				18.0
5	QPRK	12	13	17.03	17.03	17.06				18.0
5	QPRK	50	0	17.05	17.25	17.02				18.0
5	16QAM	1	0	17.07	17.04	17.04				18.0
5	16QAM	5	0	17.15	17.07	17.17				18.0
5	16QAM	9	0	17.23	17.15	17.23				18.0
5	16QAM	50	0	17.06	17.26	17.03				18.0
5	16QAM	12	7	17.14	17.15	17.08				18.0
5	16QAM	12	13	17.03	17.03	17.07				18.0
5	16QAM	50	0	17.05	17.25	17.02				18.0
5	16QAM	12	7	17.14	17.14	17.08				18.0
5	16QAM	12	13	17.03	17.03	17.06				18.0
5	16QAM	50	0	17.06	17.26	17.03				18.0
5	16QAM	12	7	17.14	17.14	17.08				18.0
5	16QAM	12	13	17.02	17.03	17.04				18.0
5	16QAM	50	0	17.07	17.27	17.04				18.0
5	16QAM	12	7	17.15	17.15	17.09				18.0
5	16QAM	12	13	17.04	17.04	17.07				18.0
5	16QAM	50	0	17.08	17.28	17.05				18.0
5	16QAM	12	7	17.16	17.16	17.10				18

Band 25 Ant5 DS11												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-slot (sub)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.08	20.13	20.06	21	0				
20	QPSK	1	49	20.08	20.07	19.98						
20	QPSK	1	99	20.09	20.02	20.09						
20	QPSK	50	0	19.98	20.09	20.01						
20	QPSK	50	24	20.02	20.05	20.01						
20	QPSK	50	50	20.02	20.04	19.94						
20	QPSK	100	0	19.96	20.07	20.00						
20	16QAM	1	0	20.01	20.06	20.03						
20	16QAM	1	49	19.94	19.98	19.93						
20	16QAM	1	99	19.97	19.90	19.91						
20	16QAM	50	0	19.98	20.02	19.93						
20	16QAM	50	24	19.99	19.92	19.94						
20	16QAM	50	50	19.99	19.92	19.84						
20	16QAM	100	0	19.95	20.03	20.01						
20	84QAM	1	0	20.03	20.03	20.01						
20	84QAM	1	49	19.93	19.98	19.95						
20	84QAM	1	99	19.95	19.95	19.92						
20	84QAM	50	0	19.99	20.04	19.94						
20	84QAM	50	24	19.99	20.03	19.97						
20	84QAM	50	50	19.94	19.93	19.86						
20	84QAM	100	0	19.91	20.01	19.89						
20	256QAM	1	49	19.94	19.11	19.95						
20	256QAM	1	99	19.99	19.98	19.98						
20	256QAM	50	0	19.91	19.11	19.97						
20	256QAM	50	24	19.99	19.91	19.97						
20	256QAM	50	50	19.92	19.91	19.86						
20	256QAM	100	0	19.97	20.07	19.95						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.97	19.99	19.97	21	0				
15	QPSK	1	37	19.97	19.94	19.90						
15	QPSK	1	74	19.91	19.94	19.83						
15	QPSK	36	0	19.97	20.09	19.93						
15	QPSK	36	20	19.91	20.00	19.89						
15	QPSK	36	36	19.90	19.97	19.88						
15	16QAM	1	0	19.93	19.98	19.94						
15	16QAM	1	37	19.91	19.88	19.84						
15	16QAM	1	74	19.93	19.87	19.80						
15	16QAM	36	0	19.91	19.93	19.91						
15	16QAM	36	20	19.79	19.88	19.81						
15	16QAM	36	36	19.90	19.85	19.81						
15	16QAM	75	0	19.73	19.97	19.84						
15	84QAM	1	0	19.91	19.92	19.90						
15	84QAM	1	37	19.93	19.85	19.81						
15	84QAM	1	74	19.95	19.85	19.80						
15	84QAM	36	0	19.79	19.96	19.87						
15	84QAM	36	20	19.90	19.80	19.81						
15	84QAM	36	36	19.90	19.84	19.78						
15	84QAM	75	0	19.87	19.87	19.79						
15	256QAM	1	0	19.90	19.97	19.81						
15	256QAM	1	37	19.99	19.98	19.85						
15	256QAM	1	74	19.97	19.90	19.86						
15	256QAM	36	0	19.87	19.87	19.83						
15	256QAM	36	20	19.99	19.98	19.84						
15	256QAM	36	36	19.89	19.95	19.83						
15	256QAM	75	0	19.83	19.92	19.86						
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.95	19.99	19.95	21	0				
10	QPSK	1	25	19.95	20.04	19.87						
10	QPSK	1	49	19.95	19.94	19.96						
10	QPSK	1	74	19.90	19.90	19.89						
10	QPSK	25	12	19.97	20.01	19.96						
10	QPSK	25	25	19.90	19.91	19.91						
10	16QAM	1	0	19.98	19.96	19.99						
10	16QAM	1	25	19.98	19.95	19.92						
10	16QAM	1	49	19.93	19.91	19.90						
10	16QAM	25	0	19.76	19.89	19.85						
10	16QAM	25	12	19.82	19.88	19.90						
10	16QAM	25	25	19.90	19.85	19.81						
10	16QAM	50	0	19.79	19.92	19.80						
10	84QAM	1	0	20.00	19.98	19.91						
10	84QAM	1	25	19.79	19.85	19.86						
10	84QAM	1	49	19.83	19.88	19.89						
10	84QAM	25	0	19.73	19.92	19.86						
10	84QAM	25	12	19.75	19.90	19.92						
10	84QAM	25	25	19.82	19.87	19.83						
10	84QAM	50	0	19.75	19.89	19.78						
10	256QAM	1	0	19.73	19.95	19.85						
10	256QAM	1	25	19.91	19.98	19.83						
10	256QAM	1	49	19.87	19.94	19.91						
10	256QAM	25	0	19.87	19.93	19.89						
10	256QAM	25	12	19.87	19.90	19.91						
10	256QAM	25	25	19.93	19.88	19.86						
10	256QAM	50	0	19.85	19.93	19.93						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.95	20.06	19.95	21	0				
5	QPSK	1	12	20.01	19.99	19.99						
5	QPSK	1	24	19.95	19.90	19.93						
5	QPSK	12	0	19.92	19.97	19.91						
5	QPSK	12	7	19.91	19.92	19.97						
5	QPSK	12	13	19.99	20.02	19.98						
5	QPSK	24	0	19.85	20.03	19.86						
5	16QAM	1	0	19.90	19.97	19.93						
5	16QAM	1	12	19.91	19.89	19.87						
5	16QAM	1	24	19.89	19.81	19.82						
5	16QAM	12	0	19.80	19.96	19.81						
5	16QAM	12	7	19.77	19.90	19.84						
5	16QAM	12	13	19.87	19.82	19.78						
5	16QAM	24	0	19.81	19.80	19.81						
5	84QAM	1	0	19.95	19.97	19.93						
5	84QAM	1	12	19.89	19.85	19.85						
5	84QAM	1	24	19.83	19.89	19.82						
5	84QAM	12	7	19.84	19.93	19.88						
5	84QAM	12	13	19.85	19.80	19.78						
5	84QAM	24	0	19.78	19.93	19.88						
5	256QAM	1	0	19.73	19.95	19.85						
5	256QAM	1	12	19.91	19.98	19.83						
5	256QAM	1	24	19.87	19.94	19.91						
5	256QAM	12	0	19.87	19.93	19.89						
5	256QAM	12	7	19.85	19.86	19.89						
5	256QAM	12	13	19.90	19.85	19.86						
5	256QAM	24	0	19.89	19.91	19.84						
5	256QAM	24	7	19.87	19.87	19.83						
5	256QAM	24	13	19.93	19.88	19.86						
Channel												
Frequency (MHz)												
3	QPSK	1	0	19.97	19.99	19.97	21	0				
3	QPSK	1	37	19.97	19.94	19.90						
3	QPSK	1	74	19.91	19.94	19.83						
3	QPSK	8	0	19.99	20.04	19.93						
3	QPSK	8	7	19.93	20.00	19.96						
3	QPSK	8	14	19.96	20.02	19.99						
3	QPSK	8	21	19.99	20.04	19.93						
3	QPSK	8	28	19.99	20.04	19.93						
3	QPSK	16	0	19.91	19.95	19.95						
3	QPSK	16	7	19.93	19.96	19.96						
3	QPSK	16	14	19.96	19.99	19.99						
3	16QAM	1	0	19.92	19.94	19.97						
3	16QAM	1	37	19.90	19.93	19.93						
3	16QAM	1	74	19.91	19.86	19.80						
3	16QAM	8	0	19.93	19.96	19.93						
3	16QAM	8	7	19.89	19.94	19.91						
3	16QAM	8	14	19.92	19.94	19.96						
3	16QAM	8	21	19.95	19.98	19.93						
3	16QAM	8	28	19.98	19.98	19.93						
3	16QAM	16	0	19.77	19.94	19.86						
3	16QAM	16	7	19.79	19.92	19.81						
3	16QAM	16	14	19.89	19.84	19.81						
3	16QAM	16	21	19.92	19.92	19.87						
3	16QAM	16	28	19.95	19.95	19.91						
3	84QAM	1	0	19.98	19.95	19.90						
3	84QAM	1	37	19.90	19.83	19.80						
3	84QAM	1	74	19.91	19.86	19.80						
3	84QAM	8	0	19.93	19.96	19.93						
3	84QAM	8	7	19.89	19.94	19.91						
3	84QAM	8	14	19.92	19.94	19.96						
3	84QAM	8	21	19.95	19.98	19.93						
3	84QAM	8	28	19.98	19.98	19.93						
3	84QAM	16	0	19.75	19.92	19.80						
3	84QAM	16	7	19.77	19.92	19.77						
3	84QAM	16	14	19.83	19.82	19.79						
3	84QAM	16	21	19.86	19.83	19.80						
3	84QAM	16	28	19.89	19.86	19.83						
3	256QAM	1	0	19.95	19.97	19.88						
3	256QAM	1	37	19.96	19.93	19.89						
3	256QAM	1	74	19.91	19.86	19.80						
3	256QAM	8	0	19.93	19.92	19.93						
3	256QAM	8	7	19.85	19.88	19.85						
3	256QAM	8	14	19.91	19.89	19.85						
3	256QAM	8	21	19.94	19.91	19.88						
3	256QAM	8	28	19.97	19.94	19.88						
3	256QAM	16	0	19.87	19.92	19.82						

Band 38 Ant5 DS11										
RF MHz	Module on Channel	RB Size	RB Offset	Power Max Ch / Freq	Power Max Ch / Freq	Power Max Ch / Freq	Time up link (s/m)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	49	19.85	19.85	19.85	20.2	0		
20	QPSK	1	99	19.81	19.88	19.85				
20	QPSK	50	50	19.88	19.88	19.88				
20	QPSK	50	54	19.85	19.83	19.79				
20	QPSK	100	0	19.85	19.85	19.84				
20	16QAM	1	49	19.82	19.87	19.87				
20	16QAM	1	99	19.83	19.87	19.80	20.2	0		
20	16QAM	1	49	19.85	19.84	19.80				
20	16QAM	50	0	19.84	19.88	19.79				
20	16QAM	50	54	19.83	19.82	19.85				
20	16QAM	50	50	19.71	19.69	19.70				
20	16QAM	100	0	19.81	19.88	19.83				
20	16QAM	1	99	19.84	19.84	19.83				
20	16QAM	1	49	19.85	19.88	19.89	20.2	0		
20	64QAM	1	99	19.89	19.79	19.75				
20	64QAM	50	0	19.77	19.92	19.77				
20	64QAM	50	54	19.82	19.75	19.85				
20	64QAM	50	50	19.76	19.73	19.75	20.2	0		
20	64QAM	100	0	19.73	19.85	19.82				
20	256QAM	1	0	19.81	19.91	19.89				
20	256QAM	1	99	19.81	19.81	19.81	20.2	0		
20	256QAM	1	99	19.87	19.78	19.78				
20	256QAM	50	0	19.80	19.90	19.85				
20	256QAM	50	24	19.73	19.71	19.86				
20	256QAM	50	20	19.78	19.74	19.80	20.2	0		
20	256QAM	100	0	19.80	19.87	19.68				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.86	19.93	19.85				
15	QPSK	1	37	19.83	19.89	19.84				
15	QPSK	1	74	19.85	19.85	19.73				
15	QPSK	36	20	19.82	19.92	19.77				
15	QPSK	36	20	19.81	19.81	19.78				
15	QPSK	36	39	19.70	19.76	19.69				
15	QPSK	75	0	19.73	19.81	19.81				
15	QPSK	75	0	19.80	19.76	19.82				
15	16QAM	1	37	19.79	19.75	19.83				
15	16QAM	1	74	19.72	19.81	19.76	20.2	0		
15	16QAM	1	74	19.71	19.75	19.75				
15	16QAM	36	20	19.80	19.67	19.60				
15	16QAM	36	39	19.66	19.52	19.66	20.2	0		
15	16QAM	75	0	19.69	19.81	19.77				
15	16QAM	75	0	19.80	19.52	19.85				
15	64QAM	1	37	19.79	19.85	19.77				
15	64QAM	1	74	19.77	19.74	19.64				
15	64QAM	36	0	19.69	19.86	19.74				
15	64QAM	36	39	19.78	19.65	19.61				
15	64QAM	36	39	19.67	19.65	19.68				
15	64QAM	75	0	19.67	19.78	19.73				
15	256QAM	1	37	19.79	19.81	19.84				
15	256QAM	1	74	19.79	19.82	19.72				
15	256QAM	1	74	19.75	19.75	19.74	20.2	0		
15	256QAM	36	0	19.68	19.92	19.81				
15	256QAM	36	0	19.65	19.61	19.61				
15	256QAM	36	39	19.66	19.60	19.65	20.2	0		
15	256QAM	75	0	19.76	19.75	19.87				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.90	19.90	19.88				
5	QPSK	1	25	19.84	19.86	19.86	20.2	0		
5	QPSK	36	0	19.83	19.75	19.85				
5	QPSK	25	12	19.84	19.87	19.84				
5	QPSK	25	12	19.74	19.77	19.66				
5	QPSK	25	25	19.67	19.69	19.73				
5	QPSK	25	34	19.73	19.75	19.68				
5	16QAM	1	0	19.88	19.83	19.84				
5	16QAM	1	25	19.82	19.73	19.78				
5	16QAM	1	49	19.75	19.71	19.70	20.2	0		
5	16QAM	1	49	19.79	19.77	19.76				
5	16QAM	25	12	19.80	19.58	19.60				
5	16QAM	25	25	19.58	19.61	19.60				
5	16QAM	25	34	19.67	19.56	19.63				
5	64QAM	1	0	19.79	19.85	19.80				
5	64QAM	1	25	19.80	19.75	19.81	20.2	0		
5	64QAM	1	49	19.82	19.73	19.70				
5	64QAM	1	49	19.81	19.75	19.76				
5	64QAM	25	12	19.73	19.72	19.59	20.2	0		
5	64QAM	25	25	19.70	19.65	19.62				
5	64QAM	25	34	19.65	19.62	19.60				
5	256QAM	1	0	19.85	19.88	19.85				
5	256QAM	1	49	19.72	19.86	19.68				
5	256QAM	1	49	19.75	19.71	19.65	20.2	0		
5	256QAM	1	49	19.75	19.80	19.82				
5	256QAM	25	12	19.71	19.63	19.56				
5	256QAM	25	25	19.65	19.69	19.58	20.2	0		
5	256QAM	50	0	19.73	19.78	19.78				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.91	19.95	19.84				
5	QPSK	1	1	19.80	19.84	19.80	20.2	0		
5	QPSK	34	34	19.85	19.75	19.88				
5	QPSK	12	7	19.86	19.92	19.74				
5	QPSK	12	7	19.75	19.76	19.73	20.2	0		
5	QPSK	25	13	19.68	19.73	19.75				
5	QPSK	25	0	19.78	19.86	19.80				
5	16QAM	1	0	19.86	19.75	19.75				
5	16QAM	1	12	19.69	19.75	19.86	20.2	0		
5	16QAM	34	34	19.74	19.76	19.71				
5	16QAM	12	0	19.76	19.81	19.72				
5	16QAM	12	7	19.79	19.63	19.57				
5	16QAM	12	13	19.60	19.61	19.56				
5	16QAM	25	13	19.63	19.90	19.70				
5	64QAM	1	0	19.73	19.81	19.80				
5	64QAM	1	12	19.76	19.80	19.77	20.2	0		
5	64QAM	1	12	19.76	19.72	19.68				
5	64QAM	12	0	19.74	19.88	19.67				
5	64QAM	12	7	19.70	19.69	19.61				
5	64QAM	12	13	19.63	19.63	19.64				
5	64QAM	25	13	19.64	19.77	19.71				
5	64QAM	1	0	19.75	19.88	19.83				
5	256QAM	1	12	19.85	19.76	19.71				
5	256QAM	1	24	19.85	19.75	19.70				
5	256QAM	12	13	19.68	19.83	19.79				
5	256QAM	12	7	19.63	19.65	19.60				
5	256QAM	12	13	19.71	19.68	19.59	20.2	0		

Band 41 Ant5 DS11												
RF BW (MHz)	Modulation	RB Size	RB Offset	Power Low/Mid Ch / Freq	Power Low/High Ch / Freq	Power Mid/Low Ch / Freq	Power High/Low Ch / Freq	Power High/High Ch / Freq	Turn-on time (dBM)	MPR (dB)		
Channel				36950	40196	40620	41055	41490				
Frequency (MHz)				2520	25475	25525	25575	25625				
20	QPSK	1	48	17.98	18.10	18.12	18.04	18.05	18.7	0		
20	QPSK	1	96	18.05	18.08	18.11	18.01	17.99				
20	QPSK	50	16	18.01	18.02	18.10	18.01	18.00				
20	QPSK	50	24	18.04	17.99	18.00	17.97	18.00				
20	QPSK	50	50	18.01	18.01	18.10	18.02	17.95	18.7	0		
20	QPSK	100	0	18.05	18.07	18.10	18.06	17.99				
20	QPSK	100	48	17.98	17.98	17.98	18.08	18.06				
20	QPSK	149	49	17.85	17.99	18.00	17.99	17.92	18.7	0		
20	QPSK	1	96	17.96	17.99	17.98	17.91	17.90				
20	QPSK	50	16	18.05	17.99	18.00	17.96	17.97				
20	QPSK	50	24	17.99	17.94	18.04	17.91	17.89				
20	QPSK	50	50	17.97	17.91	18.04	17.99	17.96	18.7	0		
20	QPSK	100	0	17.95	18.01	18.07	17.95	17.95				
20	QPSK	100	48	18.01	18.00	18.01	17.98	18.02				
20	QPSK	149	49	17.85	18.00	18.04	17.98	17.92	18.7	0		
20	QPSK	1	96	17.98	17.97	18.00	17.98	17.91				
20	QPSK	50	16	18.00	17.95	18.00	17.93	17.87				
20	QPSK	50	24	17.99	17.94	18.04	17.91	17.89				
20	QPSK	50	50	17.98	17.91	18.05	17.90	17.88	18.7	0		
20	QPSK	100	0	18.02	17.94	18.03	18.01	17.90				
20	QPSK	100	48	17.96	18.00	18.08	17.99	17.94				
20	QPSK	149	49	17.82	17.96	18.00	17.90	17.88	18.7	0		
20	QPSK	1	96	18.01	17.94	18.00	17.98	17.93				
20	QPSK	50	16	18.02	18.00	18.09	17.90	17.92				
20	QPSK	50	24	18.00	17.92	18.01	17.88	17.85				
20	QPSK	50	50	17.97	17.91	17.98	17.91	17.85	18.7	0		
20	QPSK	100	0	18.02	17.98	18.03	17.99	17.86				
Channel				36925	40173	40603	41068	41515				
Frequency (MHz)				2520	25444	25494	25548	25602				
15	QPSK	1	0	17.99	18.02	18.09	17.90	17.96	17.99			
15	QPSK	1	37	17.88	18.01	18.02	17.90	17.92		19	0	
15	QPSK	1	74	17.84	17.89	18.04	17.92	17.86				
15	QPSK	1	111	17.98	17.98	17.98	17.98	17.98				
15	QPSK	36	20	17.90	17.94	18.02	17.85	17.90	18.7	0		
15	QPSK	36	38	17.90	17.98	17.97	17.94	17.82				
15	QPSK	75	0	17.85	18.01	17.98	18.03	17.91				
15	QPSK	75	38	17.85	17.89	17.99	17.92	17.89				
15	QPSK	1	37	17.82	17.90	18.00	17.80	17.85	18.7	0		
15	QPSK	1	74	17.87	17.93	17.85	17.79	17.77				
15	QPSK	36	20	17.88	17.98	17.90	17.88	17.85	18.7			
15	QPSK	36	39	17.75	17.77	17.95	17.86	17.77				
15	QPSK	75	0	17.83	17.99	17.95	17.89	17.81				
15	QPSK	75	37	17.84	17.90	17.90	17.81	17.79				
15	QPSK	1	37	17.73	17.88	17.90	17.81	17.79	18.7	0		
15	QPSK	1	74	17.89	17.95	18.00	17.88	17.86				
15	QPSK	36	20	17.87	17.96	17.91	17.80	17.78				
15	QPSK	36	20	17.82	17.92	17.99	17.82	17.75				
15	QPSK	36	39	17.85	17.86	17.99	17.85	17.86	18.7	0		
15	QPSK	75	0	17.87	17.87	17.90	17.97	17.80				
15	QPSK	75	38	17.80	17.85	17.97	17.87	17.80				
15	QPSK	1	37	17.83	17.96	18.03	17.88	17.80	18.7	0		
15	QPSK	1	74	17.97	17.85	17.97	17.75	17.90				
15	QPSK	36	20	17.97	17.90	17.96	17.86	17.85	18.7	0		
15	QPSK	36	39	17.71	17.71	17.90	17.80	17.80				
15	QPSK	75	0	17.89	17.84	17.88	17.81	17.72	18.7	0		
15	QPSK	75	0	17.93	17.88	17.96	17.88	17.80				
Channel				36950	40196	40620	41055	41490				
Frequency (MHz)				2520	25475	25525	25575	25625				
10	QPSK	1	0	18.07	18.05	18.08	17.96	17.98				
10	QPSK	1	25	17.86	18.00	18.02	17.98	18.02	19	0		
10	QPSK	1	48	17.99	17.99	18.00	17.98	17.95				
10	QPSK	25	0	18.05	17.98	18.05	18.00	17.97	18.00			
10	QPSK	25	12	18.00	17.93	18.05	17.83	18.01				
10	QPSK	25	25	18.02	17.95	17.99	17.97	17.83				
10	QPSK	50	0	17.93	17.95	17.99	17.95	17.88				
10	QPSK	1	0	17.93	17.97	18.04	17.90	17.88				
10	QPSK	1	25	17.82	17.88	18.05	17.95	17.86	18.7	0		
10	QPSK	1	48	17.90	17.82	17.94	17.88	17.79				
10	QPSK	25	12	18.02	17.86	17.90	17.82	17.82				
10	QPSK	25	12	18.04	17.81	17.92	17.84	17.87				
10	QPSK	25	25	17.80	17.81	17.91	17.88	17.82	18.7	0		
10	QPSK	50	0	17.88	17.98	17.99	17.96	17.86				
10	QPSK	1	0	17.90	17.89	17.97	17.95	17.89				
10	QPSK	1	25	17.73	17.89	18.01	17.90	17.84	18.7	0		
10	QPSK	49	152	17.89	17.97	17.75	17.81					
10	QPSK	25	12	17.85	17.85	17.96	17.86	17.82				
10	QPSK	25	12	17.87	17.83	17.92	17.83	17.83	18.7	0		
10	QPSK	25	25	17.91	17.79	17.99	17.84	17.79				
10	QPSK	50	0	17.87	17.82	17.95	17.86	17.82				
10	QPSK	50	0	17.87	17.82	17.99	17.95	17.88				
10	QPSK	25	12	17.82	17.80	17.90	17.80	17.80	18.7	0		
10	QPSK	1	0	17.92	17.88	17.90	17.86	17.82				
10	QPSK	1	25	17.83	17.88	18.00	17.90	17.85				
10	QPSK	1	49	17.83	17.88	17.90	17.85	17.88				
10	QPSK	25	12	17.91	17.89	17.97	17.88	17.88	18.7	0		
10	QPSK	25	12	17.92	17.80	17.99	17.83	17.91				
10	QPSK	25	25	17.84	17.81	17.92	17.81	17.80	18.7	0		
10	QPSK	50	0	17.83	17.88	17.99	17.87	17.76				
Channel				36950	40196	40620	41055	41490				
Frequency (MHz)				2498.5	25458.8	25993	2640.30	2687.5				
5	QPSK	1	0	17.97	18.00	18.07	17.98	17.95				
5	QPSK	1	12	17.91	17.92	18.05	18.02	17.95				
5	QPSK	1	24	17.83	17.90	18.03	17.98	17.95				
5	QPSK	12	0	18.04	17.98	18.01	17.98	17.92				
5	QPSK	12	7	17.92	17.94	18.01	17.92	18.01	18.7	0		
5	QPSK	12	14	17.96	17.96	17.98	17.92	17.83				
5	QPSK	25	0	18.01	18.03	18.03	18.03	17.98				
5	QPSK	1	0	17.94	17.98	17.97	17.87	17.91				
5	QPSK	1	12	17.75	17.85	18.06	17.90	17.81				
5	QPSK	5	0	17.94	17.91	17.91	17.81	17.81	18.7	0		
5	QPSK	12	0	17.94	17.94	18.02	17.85	17.85				
5	QPSK	12	7	17.87	17.88	17.84	17.87	17.84				
5	QPSK	12	14	17.86	17.86	18.00	17.86	17.83	18.7	0		
5	QPSK	25	0	17.82	17.87	17.98	17.91	17.88				
5	QPSK	1	0	17.99	17.94	17.92	17.95	17.95				
5	QPSK	1	12	17.81	17.91	18.00	17.85	17.83	18.7	0		
5	QPSK	1	24	17.85	17.90	18.00	17.85	17.84				
5	QPSK	12	0	17.97	17.94	17.90	17.83	17.80				
5	QPSK	12	7	17.84	17.82	17.97	17.88	17.90				
5	QPSK	12	13	17.86	17.81	17.94	17.77	17.84				
5	QPSK	25	0	18.00	17.85	17.97	17.88	17.88	18.7	0		
5	QPSK	12	7	17.82	17.85	17.96	17.80	17.80				
5	QPSK	12	13	17.80	17.82	17.87	17.89	17.77				

Band 42 Ant5 D511										
BW (MHz)	Module on	Site Size	RB Offset	Power Level (Ch./Freq)	Power Mask (Ch./Freq)	Power Mask (Ch./Freq)	Feature Set (L1)	Ant5 (dB)	Ant5 (dB)	Ant5 (dB)
Channel				42100	42100	42600				
Frequency (MHz)				34900	34900	34900				
20	DISK1	1	0	17.65	17.75	17.71		18.5	0	
20	DISK1	1	49	17.66	17.65	17.61				
20	DISK1	1	99	17.61	17.64	17.68				
20	DISK1	1	149	17.56	17.73	17.68				
20	DISK1	50	24	17.63	17.63	17.61				
20	DISK1	50	74	17.63	17.62	17.68				
20	DISK1	100	0	17.63	17.72	17.67				
20	DISK1	100	49	17.63	17.68	17.62				
20	IQM1	1	49	17.44	17.57	17.50		18.5	0	
20	IQM1	1	99	17.53	17.60	17.60				
20	IQM1	50	0	17.53	17.69	17.52				
20	IQM1	50	24	17.44	17.56	17.52				
20	IQM1	50	74	17.56	17.54	17.65				
20	IQM1	100	0	17.56	17.62	17.53				
20	IQM1	100	49	17.65	17.64	17.64				
20	IQM1	50	49	17.49	17.53	17.50		18.5	0	
20	IQM1	1	99	17.47	17.53	17.64				
20	IQM1	50	0	17.43	17.67	17.64				
20	IQM1	50	24	17.44	17.56	17.52				
20	IQM1	50	74	17.56	17.55	17.57		18.5	0	
20	IQM1	100	0	17.56	17.64	17.52				
20	250K1	1	0	17.63	17.68	17.68				
20	250K1	1	49	17.63	17.68	17.68				
20	250K1	1	99	17.63	17.68	17.68		18.5	0	
20	250K1	1	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				
20	250K1	100	0	17.63	17.68	17.68				
20	250K1	100	49	17.63	17.68	17.68				
20	250K1	100	99	17.63	17.68	17.68		18.5	0	
20	250K1	100	149	17.63	17.68	17.68				
20	250K1	50	24	17.63	17.68	17.68				
20	250K1	50	74	17.63	17.68	17.68				

Band 48 Ant15 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	49	18.25	18.20	18.22	18.24	20	0
20	QPSK	1	99	18.25	18.21	18.21	18.23		
20	QPSK	50	0	18.20	18.28	18.20	18.23		
20	QPSK	50	50	18.20	18.22	18.22	18.18	20	0
20	QPSK	50	50	18.19	18.27	18.14	18.17		
20	QPSK	100	0	18.20	18.25	18.21	18.20		
20	16QAM	1	49	18.20	18.19	18.22	18.22	20	0
20	16QAM	1	99	18.11	18.15	18.18	18.09	20	0
20	16QAM	1	99	18.18	18.20	18.21	18.14		
20	16QAM	50	0	18.18	18.24	18.19	18.11		
20	16QAM	50	50	18.09	18.12	18.17	18.09		
20	16QAM	50	50	18.17	18.21	18.04	18.12		
20	16QAM	100	0	18.17	18.16	18.18	18.16		
20	16QAM	1	0	18.22	18.22	18.13	18.17		
20	16QAM	1	49	18.18	18.26	18.18	18.10		
20	16QAM	50	0	18.16	18.25	18.17	18.23		
20	16QAM	50	50	18.14	18.22	18.12	18.09	20	0
20	16QAM	100	0	18.14	18.25	18.17	18.17		
20	256QAM	1	0	17.79	17.75	17.73	17.76		
20	256QAM	1	49	17.71	17.74	17.73	17.68		
20	256QAM	1	99	17.72	17.73	17.76	17.69	19.5	0.5
20	256QAM	50	0	17.64	17.67	17.64	17.69		
20	256QAM	50	24	17.62	17.74	17.69	17.67		
20	256QAM	50	50	17.74	17.76	17.59	17.68	19.5	0.5
20	256QAM	100	0	17.76	17.68	17.76	17.66		
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.23	18.28	18.18	18.14		
15	QPSK	1	37	18.08	18.17	18.10	18.12		
15	QPSK	1	74	18.22	18.12	18.20	18.23		
15	QPSK	1	111	18.11	18.22	18.12	18.17		
15	QPSK	38	20	18.11	18.14	18.15	18.12	20	0
15	QPSK	38	38	18.11	18.28	18.07	18.07		
15	QPSK	75	0	18.19	18.20	18.19	18.12		
15	QPSK	75	0	18.09	18.14	18.12	18.20		
15	16QAM	1	37	18.07	18.15	18.16	18.10	20	0
15	16QAM	1	74	18.13	18.17	18.06	18.11		
15	16QAM	50	24	18.09	18.24	18.06	18.04		
15	16QAM	38	20	18.05	18.12	18.05	18.13		
15	16QAM	38	38	18.16	18.20	18.03	18.08		
15	16QAM	75	0	18.09	18.11	18.13	18.17		
15	16QAM	75	0	18.05	18.19	18.13	18.04	20	0
15	16QAM	1	37	18.06	18.19	18.13	18.04		
15	16QAM	1	74	18.07	18.09	18.11	18.15		
15	16QAM	38	0	18.14	18.25	18.15	18.07		
15	16QAM	38	38	18.05	18.09	18.17	18.02	20	0
15	16QAM	38	38	18.10	18.17	18.11	18.07		
15	16QAM	75	0	18.05	18.24	18.07	18.11		
15	256QAM	1	37	17.76	17.66	17.78	17.59		
15	256QAM	1	74	17.68	17.73	17.58	17.59	19.5	0.5
15	256QAM	50	0	17.57	17.73	17.58	17.65		
15	256QAM	50	24	17.61	17.72	17.67	17.68		
15	256QAM	38	38	17.68	17.72	17.56	17.66	19.5	0.5
15	256QAM	75	0	17.66	17.77	17.68	17.66		
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.23	18.28	18.21	18.21		
10	QPSK	1	25	18.16	18.26	18.21	18.24	20	0
10	QPSK	1	49	18.18	18.11	18.12	18.23		
10	QPSK	25	0	18.12	18.25	18.15	18.19		
10	QPSK	25	12	18.07	18.14	18.18	18.12		
10	QPSK	25	25	18.13	18.17	18.12	18.08		
10	QPSK	25	49	18.21	18.24	18.12	18.13		
10	16QAM	1	0	18.11	18.12	18.14	18.22		
10	16QAM	1	25	18.10	18.12	18.16	18.09	20	0
10	16QAM	1	49	18.13	18.16	18.10	18.14		
10	16QAM	25	0	18.09	18.14	18.14	18.01		
10	16QAM	25	12	18.06	18.16	18.05	18.04		
10	16QAM	25	25	18.16	18.20	18.24	18.15		
10	16QAM	25	49	18.12	18.09	18.18	18.13	20	0
10	16QAM	1	0	18.20	18.14	18.02	18.10		
10	16QAM	1	25	18.14	18.16	18.10	18.04	20	0
10	16QAM	1	49	18.07	18.08	18.12	18.20		
10	16QAM	25	0	18.07	18.16	18.16	18.10		
10	16QAM	25	12	18.02	18.09	18.10	18.07		
10	16QAM	25	25	18.09	18.19	18.01	18.02		
10	16QAM	50	0	18.24	18.22	18.06	18.06		
10	256QAM	1	0	17.70	17.71	17.64	17.64		
10	256QAM	1	25	17.72	17.73	17.64	17.58	19.5	0.5
10	256QAM	1	49	17.64	17.66	17.58	17.66		
10	256QAM	25	0	17.60	17.69	17.60	17.63		
10	256QAM	25	12	17.50	17.74	17.63	17.62	19.5	0.5
10	256QAM	25	25	17.63	17.70	17.59	17.57		
10	256QAM	50	0	17.73	17.78	17.76	17.54		
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.24	18.26	18.18	18.18		
5	QPSK	1	12	18.21	18.18	18.11	18.15	20	0
5	QPSK	1	24	18.21	18.18	18.18	18.12		
5	QPSK	12	0	18.10	18.24	18.13	18.17		
5	QPSK	12	7	18.05	18.28	18.20	18.12	20	0
5	QPSK	12	12	18.06	18.20	18.11	18.20		
5	QPSK	25	0	18.13	18.25	18.20	18.10		
5	16QAM	1	0	18.18	18.14	18.22	18.14		
5	16QAM	1	12	18.07	18.09	18.17	18.02	20	0
5	16QAM	1	24	18.08	18.14	18.18	18.09		
5	16QAM	12	0	18.07	18.14	18.10	18.00		
5	16QAM	12	7	18.10	18.19	18.12	18.13	20	0
5	16QAM	12	13	18.10	18.18	18.14	18.10		
5	16QAM	25	0	18.11	18.14	18.08	18.06		
5	16QAM	1	0	18.15	18.11	18.13	18.07		
5	16QAM	1	12	18.13	18.23	18.13	18.02	20	0
5	16QAM	1	24	18.14	18.17	18.04	18.06		
5	16QAM	12	7	18.09	18.07	18.09	18.00		
5	256QAM	1	0	18.06	18.19	18.04	18.01		
5	256QAM	1	12	18.03	18.19	18.12	18.12		
5	256QAM	1	0	17.78	17.76	17.71	17.74		
5	256QAM	1	12	17.67	17.66	17.61	17.58	19.5	0.5
5	256QAM	1	24	17.67	17.69	17.58	17.62		
5	256QAM	12	7	17.62	17.72	17.61	17.60		
5	256QAM	12	7	17.51	17.75	17.63	17.57	19.5	0.5
5	256QAM	12	13	17.74	17.76	17.55	17.64		

GSM1900 Ant4 DSH1									
GSM1900		Burst Average Power (dBm)			Time-up		Frame Average Power (dBm)		
Tx Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1950.2	1960	1970.8	(dBm)		1950.2	1960	1970.8
GSM 1 Tx slot		27.03	26.92	27.01	28.50		18.03	17.92	18.01
GPRS 1 Tx slot		27.11	27.00	27.08	28.50		18.11	18.00	18.08
GPRS 2 Tx slots		23.89	24.10	23.75	25.50		17.89	18.10	17.75
GPRS 3 Tx slots		22.10	22.17	21.87	23.70		17.84	17.91	17.61
GPRS 4 Tx slots		20.63	20.74	20.58	22.50		17.63	17.74	17.58
EDGE 1 Tx slot		23.25	23.23	23.27	25.20		14.25	14.23	14.27
EDGE 2 Tx slot		20.57	20.52	20.35	22.20		14.57	14.52	14.35
EDGE 3 Tx slot		18.78	18.97	18.74	20.40		14.58	14.71	14.49
EDGE 4 Tx slots		17.25	17.31	17.22	19.20		14.25	14.31	14.22
WCDMA II Ant4 DSH1									
Band		WCDMA II			Time-up		WCDMA IV Ant4 DSH1		
Tx Channel		9262	9409	9558	Limit		1312	1413	1513
Rx Channel		9662	9800	9938	(dBm)		1337	1638	1738
Frequency (MHz)		1824.6	1840	1857.6	1724.6		1724.6	1724.6	1724.6
3GPP Rel 99	AMR 12.2Kbps	16.50	16.75	16.74	18.20		16.15	16.22	16.14
3GPP Rel 99	RMC 12.2Kbps	16.69	16.78	16.72	18.20		16.17	16.25	16.20
3GPP Rel 6	HS-DSPPA Subtest-1	15.64	15.91	15.84	17.20		15.06	15.24	15.32
3GPP Rel 6	HS-DSPPA Subtest-2	15.71	15.95	15.82	17.20		15.01	15.25	15.32
3GPP Rel 6	HS-DSPPA Subtest-3	15.17	15.45	15.36	16.70		14.57	14.76	14.75
3GPP Rel 6	HS-DSPPA Subtest-4	15.19	15.43	15.34	16.70		14.61	14.86	14.72
3GPP Rel 8	DC-HS-DSPPA Subtest-1	15.71	15.91	15.81	17.20		15.04	15.29	15.28
3GPP Rel 8	DC-HS-DSPPA Subtest-2	15.63	15.88	15.85	17.20		14.97	15.25	15.28
3GPP Rel 8	DC-HS-DSPPA Subtest-3	15.22	15.34	15.39	16.70		14.60	14.86	14.74
3GPP Rel 8	DC-HS-DSPPA Subtest-4	15.13	15.34	15.38	16.70		14.52	14.73	14.77
3GPP Rel 6	HS-UPA Subtest-1	15.69	15.90	15.83	17.20		15.11	15.25	15.29
3GPP Rel 6	HS-UPA Subtest-2	13.73	13.93	13.89	15.20		13.09	13.32	13.17
3GPP Rel 6	HS-UPA Subtest-3	14.72	14.84	14.90	16.20		14.04	14.37	14.32
3GPP Rel 6	HS-UPA Subtest-4	13.68	13.94	13.86	15.20		13.07	13.36	13.24
3GPP Rel 6	HS-UPA Subtest-5	15.63	15.86	15.84	17.20		15.03	15.33	15.22
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.23	13.36	13.37	14.70		12.57	12.78	12.75

Band 2 Ant4 DS11												
BW (MHz)	Modulat	RB Size	RB Offset	Power Low Ch / Freq.	Power Max Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	TPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	16.73	16.77	16.71			18.2	0		
20	QPSK	1	49	16.89	16.85	16.89						
20	QPSK	50	0	16.88	16.87	16.81			18.2	0		
20	QPSK	50	24	16.89	16.85	16.80						
20	QPSK	100	0	16.82	16.72	16.81			17.9	0		
20	16QAM	1	0	16.68	16.65	16.63						
20	16QAM	1	49	16.65	16.62	16.59			18.2	0		
20	16QAM	50	0	16.61	16.59	16.50						
20	16QAM	50	24	16.61	16.56	16.53			18.2	0		
20	16QAM	50	50	16.51	16.59	16.55						
20	16QAM	100	0	16.51	16.59	16.47			18.2	0		
20	16QAM	100	0	16.51	16.57	16.62						
20	16QAM	1	49	16.57	16.56	16.48			18.2	0		
20	16QAM	1	99	16.58	16.52	16.55						
20	16QAM	50	0	16.58	16.54	16.58			18.2	0		
20	16QAM	50	24	16.61	16.56	16.52						
20	16QAM	50	50	16.53	16.52	16.53			18.2	0		
20	16QAM	100	0	16.59	16.62	16.58						
20	256QAM	1	49	16.26	16.17	16.05			17.7	0.5		
20	256QAM	1	99	16.24	16.20	16.05						
20	256QAM	50	0	16.23	16.22	16.06			17.7	0.5		
20	256QAM	50	24	16.14	16.10	16.08						
20	256QAM	50	50	16.12	16.20	16.05			17.7	0.5		
20	256QAM	100	0	16.07	16.09	16.13						
Channel												
Frequency (MHz)												
18	QPSK	1	0	16.89	16.75	16.80			18.2	0		
18	QPSK	1	8	16.85	16.80	16.84						
18	QPSK	1	74	16.87	16.83	16.82			18.2	0		
18	QPSK	36	0	16.82	16.84	16.80						
18	QPSK	36	20	16.82	16.83	16.87			18.2	0		
18	QPSK	36	36	16.84	16.89	16.83						
18	16QAM	1	0	16.83	16.89	16.81			18.2	0		
18	16QAM	1	37	16.82	16.48	16.42						
18	16QAM	1	74	16.81	16.82	16.86			18.2	0		
18	16QAM	36	0	16.86	16.82	16.80						
18	16QAM	36	20	16.49	16.41	16.42			18.2	0		
18	16QAM	36	36	16.47	16.59	16.53						
18	16QAM	1	0	16.83	16.58	16.50			18.2	0		
18	16QAM	1	37	16.44	16.52	16.44						
18	16QAM	1	74	16.54	16.53	16.48			18.2	0		
18	16QAM	36	0	16.54	16.55	16.54						
18	16QAM	36	20	16.54	16.50	16.38			18.2	0		
18	16QAM	36	36	16.48	16.52	16.43						
18	16QAM	75	0	16.46	16.57	16.44			18.2	0		
18	256QAM	1	0	16.82	16.51	16.36						
18	256QAM	1	37	16.13	16.03	15.93			17.7	0.5		
18	256QAM	1	74	16.21	16.07	16.02						
18	256QAM	36	0	16.32	16.36	16.06			17.7	0.5		
18	256QAM	36	20	16.31	16.00	15.95						
18	256QAM	36	36	16.05	16.13	15.95			17.7	0.5		
18	256QAM	75	0	16.05	16.13	15.95						
Channel												
Frequency (MHz)												
10	QPSK	1	0	16.84	16.80	16.84			18.2	0		
10	QPSK	1	25	16.59	16.59	16.54						
10	QPSK	1	49	16.65	16.55	16.57			18.2	0		
10	QPSK	25	0	16.58	16.59	16.54						
10	QPSK	25	12	16.57	16.57	16.48			18.2	0		
10	QPSK	25	25	16.49	16.60	16.50						
10	16QAM	1	0	16.84	16.53	16.57			18.2	0		
10	16QAM	1	25	16.55	16.44	16.52						
10	16QAM	1	49	16.60	16.53	16.52			18.2	0		
10	16QAM	25	0	16.62	16.53	16.47						
10	16QAM	25	12	16.48	16.43	16.50			18.2	0		
10	16QAM	25	25	16.53	16.51	16.47						
10	16QAM	50	0	16.48	16.62	16.51			18.2	0		
10	16QAM	50	0	16.52	16.43	16.38						
10	16QAM	1	49	16.49	16.55	16.42			18.2	0		
10	16QAM	25	0	16.48	16.59	16.49						
10	16QAM	25	12	16.57	16.43	16.44			18.2	0		
10	16QAM	25	25	16.41	16.50	16.41						
10	16QAM	50	0	16.46	16.56	16.50			18.2	0		
10	16QAM	50	0	16.08	16.51	16.06						
10	256QAM	1	25	16.12	16.10	16.06			17.7	0.5		
10	256QAM	1	49	16.13	16.05	16.04						
10	256QAM	25	0	16.08	16.07	16.02			17.7	0.5		
10	256QAM	25	12	16.08	16.05	16.03						
10	256QAM	25	25	16.06	16.05	16.06			17.7	0.5		
10	256QAM	50	0	16.09	16.04	16.04						
Channel												
Frequency (MHz)												
5	QPSK	1	0	16.83	16.80	16.83			18.2	0		
5	QPSK	1	12	16.55	16.53	16.49						
5	QPSK	1	24	16.57	16.64	16.54			18.2	0		
5	QPSK	12	0	16.54	16.71	16.58						
5	QPSK	12	7	16.51	16.53	16.49			18.2	0		
5	QPSK	12	13	16.58	16.59	16.51						
5	QPSK	25	0	16.58	16.62	16.56			18.2	0		
5	QPSK	25	12	16.58	16.58	16.52						
5	16QAM	1	12	16.47	16.53	16.49			18.2	0		
5	16QAM	1	24	16.57	16.55	16.39						
5	16QAM	12	0	16.49	16.63	16.55			18.2	0		
5	16QAM	12	7	16.53	16.57	16.42						
5	16QAM	12	13	16.53	16.53	16.47			18.2	0		
5	16QAM	25	0	16.48	16.58	16.39						
5	16QAM	1	0	16.54	16.66	16.51			18.2	0		
5	16QAM	1	12	16.43	16.54	16.42						
5	16QAM	1	24	16.53	16.59	16.47			18.2	0		
5	16QAM	12	0	16.56	16.53	16.49						
5	16QAM	12	7	16.57	16.47	16.44			18.2	0		
5	16QAM	12	13	16.47	16.59	16.43						
5	16QAM	25	0	16.56	16.49	16.52			18.2	0		
5	256QAM	1	0	16.17	16.16	16.16						
5	256QAM	1	12	16.08	16.04	16.02			17.7	0.5		
5	256QAM	1	24	16.19	16.09	16.00						
5	256QAM	12	0	16.03	16.07	16.04			17.7	0.5		
5	256QAM	12	7	16.08	16.06	15.98						
5	256QAM	12	13	16.07	16.06	16.04			17.7	0.5		
5	256QAM	25	0	16.09	16.14	16.03						
Channel												
Frequency (MHz)												
3	QPSK	1	0	16.63	16.63	16.57			18.2	0		
3	QPSK	1	8	16.62	16.57	16.57						
3	QPSK	1	14	16.58	16.61	16.54			18.2	0		
3	QPSK	8	0	16.64	16.67	16.61						
3	QPSK	8	4	16.63	16.52	16.55			18.2	0		
3	QPSK	8	7	16.62	16.57	16.57			18.2	0		
3	QPSK	16	0	16.66	16.61	16.59						
3	16QAM	1	14	16.57	16.57	16.42			18.2	0		
3	16QAM	1	0	16.62	16.67	16.61						
3	16QAM	8	0	16.64	16.62	16.43			18.2	0		
3	16QAM	8	7	16.61	16.49	16.51						
3	16QAM	1	0	16.55	16.69	16.59			18.2	0		
3	16QAM	1	8	16.61	16.45	16.34						
3	16QAM	8	14	16.56	16.56	16.56			18.2	0		
3	16QAM	8	4	16.48	16.49	16.41						
3	16QAM	8	7	16.57	16.47	16.45			18.2	0		
3	256QAM	1	0	16.16	16.20	16.16						
3	256QAM	8	0	16.17	16.16	16.16			17.7	0.5		
3	256QAM	1	14	16.17	16.10	15.91						
3	256QAM	8	0	16.07	16.13	16.02			17.7	0.5		
3	256QAM	8	7	16.09	16.04	15.94						
3	256QAM	8	14	16.10	16.14	16.09			17.7	0.5		
3	256QAM	16	0	16.02	16.10	16.08						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	16.68	16.71	16.65			18.2	0		
1.4	QPSK	1	8	16.68	16.66	16.61						
1.4	QPSK	1	14	16.64	16.68	16.61			18.2	0		
1.4	QPSK	3	0	16.65	16.65	16.60						
1.4	QPSK	3	3	16.68	16.61	16.57			18.2	0		
1.4	QPSK	6	0	16.51	16.60	16.53						
1.4	QPSK	6	8	16.51	16.55	16.51			18.2	0		
1.4	QPSK	1	5	16.64	16.58	16.55						
1.4	16QAM	1	5	16.51	16.52	16.43			18.2	0		
1.4	16QAM	3	0	16.57	16.58	16.54						
1.4	16QAM	3	1	16.47	16.46	16.44			18.2	0		
1.4	16QAM	6	0	16.49	16.53	16.50						
1.4	16QAM	6	8	16.52	16.52	16.46			18.2	0		
1.4	16QAM	1	0	16.50	16.57	16.53						
1.4	16QAM	3	0	16.54	16.54	16.47			18.2	0		
1.4	16QAM	3	3	16.53	16.56	16.52						
1.4	16QAM	6	0	16.51	16.58	16.56			18.2	0		
1.4	16QAM	6	8	16.52	16.57	16.53						
1.4	16QAM	3	0	16.51	16.57	16.43			18.2	0		
1.4	16QAM	3	3	16.51	16.58	16.49						
1.4	16QAM	3	6	16.51	16.58	16.49			18.2	0		
1.4	256QAM	1	5									

Band 25 Ant4 DS11										Band 66 Ant4 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up time (sec)	APRS (dB)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up time (sec)	APRS (dB)	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	16.43	16.36	16.36				20	QPSK	1	0	14.08	14.11	14.46			
20	QPSK	1	49	16.48	16.50	16.39	18.3	0		20	QPSK	1	49	14.38	14.40	14.41	15.5	0	
20	QPSK	1	99	16.48	16.44	16.43				20	QPSK	1	99	14.38	14.39	14.38			
20	QPSK	50	0	16.49	16.52	16.41				20	QPSK	50	0	14.40	14.57	14.34			
20	QPSK	50	24	16.48	16.48	16.38				20	QPSK	50	24	14.38	14.42	14.41	15.5	0	
20	QPSK	50	50	16.48	16.49	16.44				20	QPSK	50	50	14.38	14.42	14.34			
20	QPSK	100	0	16.49	16.50	16.44				20	QPSK	100	0	14.40	14.65	14.43			
20	16QAM	1	0	16.47	16.43	16.43				20	16QAM	1	0	14.40	14.42	14.41	15.5	0	
20	16QAM	1	49	16.49	16.48	16.34	18.3	0		20	16QAM	1	49	14.38	14.39	14.38			
20	16QAM	1	99	16.45	16.42	16.40				20	16QAM	1	99	14.33	14.38	14.32			
20	16QAM	50	0	16.43	16.40	16.37				20	16QAM	50	0	14.37	14.40	14.24			
20	16QAM	50	24	16.45	16.41	16.31	18.3	0		20	16QAM	50	24	14.32	14.32	14.37			
20	16QAM	50	50	16.39	16.41	16.42				20	16QAM	50	50	14.33	14.29	14.26			
20	16QAM	100	0	16.44	16.42	16.39				20	16QAM	100	0	14.33	14.37	14.34	15.5	0	
20	84QAM	1	0	16.43	16.46	16.43				20	84QAM	1	0	14.41	14.40	14.37			
20	84QAM	1	49	16.39	16.44	16.36	18.3	0		20	84QAM	1	49	14.27	14.26	14.38	15.5	0	
20	84QAM	1	99	16.37	16.37	16.36				20	84QAM	1	99	14.27	14.27	14.36			
20	84QAM	50	0	16.39	16.42	16.36				20	84QAM	50	0	14.36	14.33	14.24			
20	84QAM	50	24	16.46	16.37	16.32	18.3	0		20	84QAM	50	24	14.32	14.30	14.29	15.5	0	
20	84QAM	50	50	16.40	16.43	16.41				20	84QAM	50	50	14.29	14.36	14.34			
20	84QAM	100	0	16.45	16.39	16.30				20	84QAM	100	0	14.29	14.35	14.29			
20	256QAM	1	49	15.52	15.45	15.34	17.3	1		20	256QAM	1	49	14.27	14.26	14.38	15.5	0	
20	256QAM	1	99	15.52	15.41	15.49				20	256QAM	1	99	14.26	14.27	14.36			
20	256QAM	50	0	15.48	15.46	15.38				20	256QAM	50	0	14.34	14.42	14.24	15.5	0	
20	256QAM	50	24	15.48	15.43	15.34	17.3	1		20	256QAM	50	24	14.29	14.29	14.36			
20	256QAM	50	50	15.42	15.44	15.48				20	256QAM	50	50	14.30	14.38	14.24			
20	256QAM	100	0	15.46	15.51	15.49				20	256QAM	100	0	14.34	14.36	14.40			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	16.45	16.52	16.41				15	QPSK	1	0	17.14	17.45	17.22			
15	QPSK	1	37	16.44	16.43	16.37	18.3	0		15	QPSK	1	37	17.14	17.44	17.37			
15	QPSK	1	74	16.46	16.41	16.37				15	QPSK	1	74	17.13	17.43	17.37	15.5	0	
15	QPSK	36	0	16.50	16.47	16.43				15	QPSK	36	0	14.33	14.35	14.31			
15	QPSK	36	20	16.46	16.43	16.30	18.3	0		15	QPSK	36	20	14.33	14.33	14.31			
15	QPSK	36	36	16.41	16.44	16.42				15	QPSK	36	36	14.26	14.34	14.30	15.5	0	
15	16QAM	1	0	16.49	16.43	16.46				15	16QAM	1	0	14.33	14.35	14.37			
15	16QAM	1	74	16.39	16.38	16.42	18.3	0		15	16QAM	1	74	14.24	14.29	14.22	15.5	0	
15	16QAM	1	37	16.39	16.46	16.33				15	16QAM	1	37	14.24	14.32	14.21			
15	16QAM	36	0	16.48	16.43	16.38				15	16QAM	36	0	14.30	14.30	14.28			
15	16QAM	36	20	16.47	16.38	16.32	18.3	0		15	16QAM	36	20	14.11	14.21	14.16	15.5	0	
15	16QAM	36	36	16.47	16.38	16.32				15	16QAM	36	36	14.29	14.25	14.18			
15	16QAM	75	0	16.44	16.41	16.39				15	16QAM	75	0	14.27	14.27	14.24			
15	84QAM	1	0	16.36	16.48	16.41				15	84QAM	1	0	14.27	14.26	14.31	15.5	0	
15	84QAM	1	37	16.41	16.36	16.31	18.3	0		15	84QAM	1	37	14.24	14.24	14.19			
15	84QAM	1	74	16.37	16.35	16.37				15	84QAM	1	74	14.24	14.24	14.21			
15	84QAM	36	0	16.40	16.38	16.35				15	84QAM	36	0	14.18	14.25	14.19			
15	84QAM	36	20	16.42	16.40	16.32	18.3	0		15	84QAM	36	20	14.16	14.31	14.16	15.5	0	
15	84QAM	36	36	16.31	16.43	16.41				15	84QAM	36	36	14.25	14.25	14.25			
15	84QAM	75	0	16.45	16.39	16.32				15	84QAM	75	0	14.16	14.31	14.16			
15	256QAM	1	0	15.43	15.44	15.41				15	256QAM	1	0	14.27	14.27	14.27	15.5	0	
15	256QAM	1	37	15.54	15.38	15.31	17.3	1		15	256QAM	1	37	14.22	14.27	14.26			
15	256QAM	1	74	15.48	15.40	15.49				15	256QAM	1	74	14.28	14.34	14.23			
15	256QAM	36	0	15.42	15.47	15.40				15	256QAM	36	0	14.15	14.34	14.22	15.5	0	
15	256QAM	36	20	15.46	15.42	15.35	17.3	1		15	256QAM	36	20	14.15	14.34	14.22			
15	256QAM	36	36	15.41	15.43	15.41				15	256QAM	36	36	14.29	14.33	14.14			
15	256QAM	75	0	15.42	15.48	15.48				15	256QAM	75	0	14.25	14.33	14.34	15.5	0	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	16.49	16.49	16.42				10	QPSK	1	0	14.43	14.44	14.38			
10	QPSK	1	12	16.44	16.44	16.37	18.3	0		10	QPSK	1	12	14.29	14.41	14.39	15.5	0	
10	QPSK	1	24	16.46	16.48	16.46				10	QPSK	1	24	14.43	14.35	14.32			
10	QPSK	12	0	16.48	16.54	16.33				10	QPSK	12	0	14.43	14.41	14.32			
10	QPSK	12	7	16.44	16.38	16.35	18.3	0		10	QPSK	12	7	14.26	14.38	14.38			
10	QPSK	12	13	16.38	16.49	16.41				10	QPSK	12	13	14.31	14.32	14.32			
10	16QAM	1	0	16.45	16.48	16.45				10	16QAM	1	0	14.32	14.32	14.32	15.5	0	
10	16QAM	1	12	16.49	16.49	16.34	18.3	0		10	16QAM	1	12	14.27	14.38	14.38			
10	16QAM	1	24	16.44	16.41	16.38				10	16QAM	1	24	14.23	14.27	14.21	15.5	0	
10	16QAM	12	0	16.45	16.40	16.36				10	16QAM	12	0	14.22	14.30	14.18			
10	16QAM	12	7	16.46	16.33	16.44	18.3	0		10	16QAM	12	7	14.18	14.28	14.18			
10	16QAM	12	13	16.35	16.44	16.42				10	16QAM	12	13	14.10	14.24	14.24	15.5	0	
10	16QAM	24	0	16.37	16.42	16.37				10	16QAM	24	0	14.26	14.26	14.26			
10	84QAM	1	0	16.35	16.48	16.40				10	84QAM	1	0	14.26	14.26	14.26			
10	84QAM	1	12	16.42	16.36	16.35	18.3	0		10	84QAM	1	12	14.16	14.26	14.28	15.5	0	
10	84QAM	1	24	16.36	16.30	16.37				10	84QAM	1	24	14.36	14.29	14.23			
10	84QAM	12	0	16.46	16.31	16.34				10	84QAM	12	0	14.21	14.21	14.21	15.5	0	
10	84QAM	12	7	16.37	16.36	16.24	18.3	0		10	84QAM	12	7	14.21	14.22	14.22			
10	84QAM	12	13	16.34	16.38	16.42				10	84QAM	12	13	14.20	14.33	14.23			
10	84QAM	25	0	16.47	16.31	16.32				10	84QAM	25	0	14.25	14.27	14.28			
10	256QAM	1	0	15.49	15.47	15.45				10	256QAM	1	0	14.30	14.30	14.31	15.5	0	
10	256QAM	1	25	15.48	15.40	15.32	17.3	1		10	256QAM	1	25	14.20	14.32	14.28			
10	256QAM	1	24	15.52	15.39	15.42				10	256QAM	1	24	14.23	14.30	14.22			
10	256QAM	12	0	15.43	15.42	15.39				10	256QAM	12	0	14.29	14.29	14.20			
10	256QAM	12	7	15.40	15.42	15.35	17.3	1		10	256QAM</								

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 [kHz]	MPR [dB]		
Channel										
Frequency [MHz]				37850	38000	38150				
				2580	2595	2610				
10	QPSK	1	0	19.75	19.77	19.72				
20	QPSK	1	49	19.72	19.68	19.68	21.2	0		
20	QPSK	1	99	19.65	19.66	19.61				
20	QPSK	50	0	19.71	19.74	19.61				
20	QPSK	50	24	19.65	19.73	19.68	21.2	0		
20	QPSK	50	50	19.63	19.74	19.69				
20	16QAM	1	0	19.69	19.68	19.67				
20	16QAM	1	49	19.61	19.56	19.58	21.2	0		
20	16QAM	1	99	19.61	19.57	19.55				
20	16QAM	50	0	19.61	19.69	19.55				
20	16QAM	50	24	19.56	19.70	19.62	21.2	0		
20	16QAM	50	50	19.53	19.69	19.56				
20	16QAM	100	0	19.52	19.63	19.52				
20	64QAM	1	0	19.72	19.69	19.70				
20	64QAM	1	49	19.64	19.60	19.58	21.2	0		
20	64QAM	1	99	19.59	19.55	19.55				
20	64QAM	50	0	19.63	19.62	19.48				
20	64QAM	50	24	19.55	19.63	19.62	21.2	0		
20	64QAM	50	50	19.54	19.65	19.60				
20	64QAM	100	0	19.49	19.66	19.55				
20	256QAM	1	0	18.25	18.25	18.23				
20	256QAM	1	49	18.20	18.16	18.15	19.7	1.5		
20	256QAM	1	99	18.20	18.16	18.13				
20	256QAM	50	0	18.20	18.21	18.05				
20	256QAM	50	24	18.17	18.20	18.19	19.7	1.5		
20	256QAM	50	50	18.10	18.22	18.23				
20	256QAM	100	0	18.07	18.21	18.11				
Channel				37775	38000	38172				
Frequency [MHz]				2577.5	2595	2612.5				
15	QPSK	1	0	19.67	19.69	19.67				
15	QPSK	1	37	19.66	19.56	19.55	21.2	0		
15	QPSK	1	74	19.57	19.61	19.57				
15	QPSK	36	0	19.59	19.71	19.56				
15	QPSK	36	20	19.53	19.64	19.58	21.2	0		
15	QPSK	36	39	19.52	19.60	19.60				
15	QPSK	75	0	19.57	19.49	19.55				
15	16QAM	1	0	19.56	19.56	19.55				
15	16QAM	1	37	19.52	19.43	19.51	21.2	0		
15	16QAM	1	74	19.52	19.44	19.53				
15	16QAM	36	0	19.53	19.62	19.52				
15	16QAM	36	20	19.47	19.61	19.60	21.2	0		
15	16QAM	36	39	19.47	19.59	19.53				
15	16QAM	75	0	19.41	19.57	19.44				
15	64QAM	1	0	19.66	19.55	19.57				
15	64QAM	1	37	19.57	19.49	19.55	21.2	0		
15	64QAM	1	74	19.46	19.47	19.46				
15	64QAM	36	0	19.55	19.52	19.40				
15	64QAM	36	20	19.51	19.59	19.57	21.2	0		
15	64QAM	36	39	19.51	19.62	19.49				
15	64QAM	75	0	18.16	18.11	18.11				
15	256QAM	1	0	18.16	18.21	18.20				
15	256QAM	1	37	18.10	18.06	18.06	19.7	1.5		
15	256QAM	1	74	18.12	18.01	18.05				
15	256QAM	36	0	18.06	18.14	17.92				
15	256QAM	36	20	18.06	18.11	18.07	19.7	1.5		
15	256QAM	36	39	18.05	18.17	18.11				
15	256QAM	75	0	18.01	18.12	18.06				
Channel				37800	38000	38200				
Frequency [MHz]				2594	2599	2615				
10	QPSK	1	0	19.66	19.66	19.69				
10	QPSK	1	25	19.65	19.58	19.66	21.2	0		
10	QPSK	1	49	19.53	19.55	19.55				
10	QPSK	25	0	19.62	19.66	19.50				
10	QPSK	25	12	19.56	19.61	19.58	21.2	0		
10	QPSK	25	25	19.59	19.67	19.61				
10	QPSK	50	0	19.49	19.70	19.54				
10	16QAM	1	0	19.63	19.61	19.56				
10	16QAM	1	12	19.54	19.56	19.46	21.2	0		
10	16QAM	1	49	19.53	19.54	19.50				
10	16QAM	25	0	19.55	19.63	19.48				
10	16QAM	25	12	19.50	19.50	19.55	21.2	0		
10	16QAM	25	25	19.46	19.54	19.48				
10	16QAM	50	0	19.46	19.64	19.46				
10	256QAM	1	0	18.22	18.20	18.12				
10	256QAM	1	25	18.08	18.18	18.16	19.7	1.5		
10	256QAM	1	49	18.08	18.11	18.03				
10	256QAM	25	0	18.13	18.08	17.97				
10	256QAM	25	12	18.13	18.16	18.10	19.7	1.5		
10	256QAM	25	25	18.08	18.18	18.16				
10	256QAM	50	0	18.05	18.16	18.05				
Channel				37775	38000	38225				
Frequency [MHz]				2572.5	2595	2617.5				
5	QPSK	1	0	19.62	19.73	19.69				
5	QPSK	1	12	19.66	19.62	19.62	21.2	0		
5	QPSK	1	24	19.59	19.61	19.56				
5	QPSK	12	0	19.69	19.65	19.57				
5	QPSK	12	7	19.52	19.67	19.60	21.2	0		
5	QPSK	12	13	19.55	19.60	19.64				
5	QPSK	25	0	19.56	19.68	19.58				
5	16QAM	1	0	19.64	19.61	19.62				
5	16QAM	1	12	19.51	19.53	19.51	21.2	0		
5	16QAM	1	24	19.54	19.46	19.46				
5	16QAM	12	0	19.52	19.57	19.51				
5	16QAM	12	7	19.47	19.62	19.53	21.2	0		
5	16QAM	12	13	19.46	19.62	19.42				
5	16QAM	25	0	19.46	19.52	19.50				
5	64QAM	1	0	19.59	19.61	19.67				
5	64QAM	1	12	19.58	19.48	19.53	21.2	0		
5	64QAM	1	24	19.48	19.52	19.50				
5	64QAM	12	0	19.50	19.49	19.36				
5	64QAM	12	7	19.47	19.49	19.60	21.2	0		
5	64QAM	12	13	19.51	19.59	19.53				
5	64QAM	25	0	19.45	19.54	19.49				
5	256QAM	1	0	18.11	18.14	18.15				
5	256QAM	1	12	18.14	18.06	18.07	19.7	1.5		
5	256QAM	1	24	18.06	18.00	18.07				
5	256QAM	12	0	18.15	18.09	18.00				
5	256QAM	12	7	18.14	18.14	18.11	19.7	1.5		
5	256QAM	12	13	18.02	18.19	18.17				
5	256QAM	25	0	18.03	18.08	18.06				

Band 41 Ant4 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [kHz]	MPR (dB)	
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2598	2549.5	2593	2636.5	2690		
20	QPSK	1	0	18.72	18.75	18.77	18.70	18.68		
20	QPSK	1	49	18.63	18.72	18.73	18.62	18.84	20.2	0
20	QPSK	50	0	18.63	18.72	18.74	18.59	18.62		
20	QPSK	50	24	18.69	18.62	18.70	18.59	18.59	20.2	0
20	QPSK	50	50	18.65	18.64	18.63	18.63	18.61		
20	QPSK	100	0	18.64	18.69	18.71	18.61	18.59		
20	16QAM	1	0	18.69	18.72	18.69	18.61	18.55		
20	16QAM	1	49	18.49	18.70	18.64	18.58	18.57	20.2	0
20	16QAM	1	99	18.50	18.58	18.61	18.58	18.56		
20	16QAM	50	0	18.54	18.70	18.60	18.49	18.54		
20	16QAM	50	24	18.67	18.55	18.61	18.54	18.56	20.2	0
20	16QAM	50	50	18.56	18.59	18.60	18.52	18.56		
20	16QAM	100	0	18.56	18.65	18.62	18.49	18.49		
20	64QAM	1	0	18.62	18.70	18.69	18.66	18.60		
20	64QAM	1	49	18.50	18.68	18.64	18.51	18.59	20.2	0
20	64QAM	1	99	18.47	18.59	18.56	18.54	18.60		
20	64QAM	50	0	18.54	18.62	18.61	18.54	18.55		
20	64QAM	50	24	18.62	18.56	18.58	18.51	18.55	20.2	0
20	64QAM	50	50	18.52	18.56	18.53	18.50	18.52		
20	64QAM	100	0	18.61	18.62	18.57	18.50	18.45		
20	256QAM	1	0	18.23	18.20	18.24	18.23	18.13		
20	256QAM	1	49	18.09	18.25	18.24	18.17	18.19	19.7	0.5
20	256QAM	1	99	18.07	18.18	18.13	18.10	18.06		
20	256QAM	50	0	18.14	18.23	18.22	18.08	18.07		
20	256QAM	50	24	18.21	18.09	18.22	18.06	18.08	19.7	0.5
20	256QAM	50	50	18.10	18.09	18.18	18.08	18.08		
20	256QAM	100	0	18.16	18.15	18.19	18.17	18.12		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.3		MPR (dB)
15	QPSK	1	0	18.62	18.62	18.64	18.62	18.59		
15	QPSK	1	37	18.56	18.63	18.70	18.58	18.54	20.2	0
15	QPSK	1	74	18.54	18.61	18.62	18.52	18.54		
15	QPSK	36	0	18.59	18.66	18.69	18.45	18.53		
15	QPSK	36	20	18.58	18.55	18.63	18.51	18.52	20.2	0
15	QPSK	36	36	18.56	18.61	18.50	18.56	18.50		
15	QPSK	75	0	18.55	18.68	18.66	18.55	18.55		
15	16QAM	1	0	18.61	18.69	18.68	18.61	18.46	20.2	0
15	16QAM	1	37	18.39	18.61	18.61	18.52	18.51		
15	16QAM	1	74	18.38	18.46	18.58	18.55	18.49		
15	16QAM	36	0	18.42	18.67	18.55	18.38	18.45		
15	16QAM	36	20	18.55	18.56	18.63	18.42	18.46	20.2	0
15	16QAM	36	36	18.46	18.55	18.47	18.42	18.47		
15	16QAM	75	0	18.47	18.51	18.54	18.37	18.37		
15	64QAM	1	0	18.52	18.64	18.66	18.61	18.52		
15	64QAM	1	37	18.38	18.64	18.51	18.46	18.49		
15	64QAM	1	74	18.38	18.49	18.50	18.46	18.46	20.2	0
15	64QAM	36	0	18.43	18.53	18.54	18.43	18.52		
15	64QAM	36	20	18.48	18.43	18.52	18.43	18.42		
15	64QAM	36	36	18.47	18.41	18.42	18.38	18.37		
15	256QAM	1	0	18.20	18.10	18.19	18.14	18.11		
15	256QAM	1	37	17.95	18.22	18.11	18.05	18.05	19.7	0.5
15	256QAM	1	74	17.95	18.14	18.05	18.07	17.96		
15	256QAM	36	0	18.01	18.14	18.19	18.01	18.01		
15	256QAM	36	20	18.02	18.00	18.17	17.92	18.00	19.7	0.5
15	256QAM	36	36	17.96	18.00	18.13	18.04	18.02		
15	256QAM	75	0	18.12	18.05	18.10	18.09	18.05		
Channel										
Frequency (MHz)				39700	40160	40630	41098	41567		MPR (dB)
				2597	2547	2593	2643	2693		
10	QPSK	1	0	18.61	18.72	18.75	18.67	18.65		
10	QPSK	1	25	18.30	18.60	18.62	18.50	18.62	20	0
10	QPSK	1	49	18.47	18.53	18.62	18.55	18.59		
10	QPSK	50	0	18.50	18.59	18.62	18.53	18.56		
10	QPSK	25	12	18.64	18.53	18.63	18.51	18.49	20.2	0
10	QPSK	25	25	18.53	18.50	18.55	18.60	18.57		
10	QPSK	50	0	18.55	18.58	18.67	18.58	18.56		
10	16QAM	1	0	18.64	18.69	18.63	18.56	18.61	20.2	0
10	16QAM	1	25	18.50	18.57	18.62	18.53	18.47		
10	16QAM	1	49	18.44	18.49	18.60	18.52	18.48		
10	16QAM	25	0	18.52	18.60	18.56	18.45	18.46		
10	16QAM	25	12	18.59	18.48	18.56	18.48	18.42	20.2	0
10	16QAM	50	0	18.45	18.54	18.53	18.38	18.43		
10	64QAM	1	0	18.50	18.68	18.62	18.62	18.55		
10	64QAM	1	25	18.40	18.63	18.51	18.40	18.50		
10	64QAM	1	49	18.36	18.56	18.44	18.35	18.46	20.2	0
10	64QAM	25	0	18.40	18.57	18.49	18.47	18.45		
10	64QAM	25	12	18.49	18.46	18.50	18.37	18.49		
10	64QAM	25	25	18.42	18.50	18.43	18.48	18.45	20.2	0
10	64QAM	50	0	18.53	18.52	18.53	18.49	18.45		
10	256QAM	1	0	18.15	18.13	18.11	18.05	18.05		
10	256QAM	1	25	17.95	18.11	18.20	18.14	18.14	19.7	0.5
10	256QAM	1	49	17.94	18.06	17.99	17.98	18.02		
10	256QAM	25	0	18.10	18.15	18.17	17.92	18.04		
10	256QAM	25	12	18.15	17.98	18.06	17.92	18.01	19.7	0.5
10	256QAM	25	25	18.00	18.02	18.00	17.90	17.93		
10	256QAM	50	0	18.06	18.12	18.16	18.05	18.04		
Channel										
Frequency (MHz)				39675	40146	40630	41093	41565		MPR (dB)
				2595	2545	2593	2640	2690		
5	QPSK	1	0	18.62	18.69	18.74	18.58	18.58		
5	QPSK	1	12	18.56	18.59	18.67	18.50	18.61	20.2	0
5	QPSK	1	24	18.56	18.63	18.57	18.49	18.52		
5	QPSK	12	0	18.52	18.61	18.69	18.45	18.57		
5	QPSK	12	12	18.63	18.57	18.62	18.45	18.48	20.2	0
5	QPSK	12	13	18.59	18.57	18.53	18.50	18.51		
5	QPSK	25	0	18.51	18.57	18.62	18.56	18.52		
5	16QAM	1	0	18.67	18.69	18.61	18.47	18.52		
5	16QAM	1	12	18.46	18.56	18.45	18.35	18.46	20.2	0
5	16QAM	1	24	18.47	18.51	18.55	18.45	18.47		
5	16QAM	12	0	18.41	18.61	18.58	18.38	18.45		
5	16QAM	12	7	18.58	18.44	18.58	18.31	18.50	20.2	0
5	16QAM	12	13	18.47	18.46	18.48	18.49	18.54		
5	16QAM	25	0	18.46	18.48	18.49	18.35	18.38		
5	64QAM	1	0	18.52	18.62	18.63	18.54	18.49		
5	64QAM	1	12	18.43	18.58	18.58	18.43	18.46	20.2	0
5	64QAM	1	24	18.41	18.54	18.49	18.44	18.58		
5	64QAM	12	7	18.63	18.43	18.49	18.40	18.43	20.2	0
5	64QAM	12	7	18.53	18.63	18.49	18.40	18.43		
5	256QAM	1	0	18.53	18.56	18.51	18.53	18.35		
5	256QAM	1	12	18.14	18.17	18.22	18.16	18.05	19.7	0.5
5	256QAM	1	24	17.96	18.18	18.23	18.18	18.13		
5	256QAM	1	24	17.96	18.15	18.09	17.99	18.04		
5	256QAM	12	0	18.02	18.20	18.20	17.96	18.04		
5	256QAM	12	7	18.08	17.88	18.19	17.95	18.07	19.7	0.5
5	256QAM	12	13	17.98	18.08	18.19	17.92	18.04		
5	256QAM	25	0	18.04	18.03	18.09	18.08	18.00		

	WCDMA II/RevB DS1				WCDMA IV/RevB DS1				
	Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	6082	6400	6538		1312	1413	1513		
RX Channel	6082	6400	6538		1312	1413	1513		
Frequency (MHz)	1862.4	1868	1907.6		1722.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	22.00	22.11	22.01	23.30	21.34	21.44	21.34	22.90
3GPP Rel 99	RMC 12.2Kbps	22.13	22.16	22.02	23.30	21.44	21.54	21.47	22.90
3GPP Rel 6	HSPA Subtest-1	21.23	21.08	21.11	22.30	20.54	20.47	20.52	21.50
3GPP Rel 6	HSPA Subtest-2	21.09	21.10	21.10	22.30	20.43	20.54	20.45	21.50
3GPP Rel 6	HSPA Subtest-3	20.59	20.66	20.58	21.60	19.69	19.68	19.62	21.40
3GPP Rel 6	HSPA Subtest-4	20.57	20.66	20.56	21.60	19.69	20.06	19.69	21.40
3GPP Rel 6	DC-HSPA Subtest-1	21.18	21.15	21.07	22.30	20.46	20.50	20.40	21.50
3GPP Rel 6	DC-HSPA Subtest-2	21.12	21.10	21.10	22.30	20.50	20.49	20.46	21.50
3GPP Rel 6	DC-HSPA Subtest-3	20.51	20.69	20.67	21.60	19.62	20.02	19.67	21.40
3GPP Rel 6	DC-HSPA Subtest-4	20.64	20.61	20.52	21.60	19.53	19.56	19.62	21.40
3GPP Rel 6	HSPA Subtest-1	21.13	21.07	21.05	22.30	20.49	20.42	20.46	21.50
3GPP Rel 6	HSPA Subtest-2	19.21	19.16	19.09	20.30	18.51	18.55	18.39	19.90
3GPP Rel 6	HSPA Subtest-3	20.11	20.07	20.05	21.30	19.49	19.46	19.25	20.50
3GPP Rel 6	HSPA Subtest-4	19.16	19.21	19.09	20.30	18.49	18.53	18.42	19.90
3GPP Rel 6	HSPA Subtest-5	21.06	21.05	21.03	22.30	20.41	20.43	20.34	21.50
3GPP Rel 7	HSPA+ (MCM) Subtest-1	18.67	18.69	18.57	19.85	17.87	18.04	17.62	19.40

Band 2 Ant6 DSI1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.27	22.47	22.50			23.8	0		
20	QPSK	1	8	22.15	22.34	22.37						
20	QPSK	1	16	22.06	22.26	22.17			22.8	1		
20	QPSK	50	0	21.26	21.35	21.29						
20	QPSK	50	24	21.23	21.35	21.32			22.8	1		
20	QPSK	50	50	21.24	21.30	21.24						
20	16QAM	1	49	21.26	21.43	21.24			22.8	1		
20	16QAM	1	59	21.31	21.37	21.27						
20	16QAM	50	0	20.29	20.37	20.29			21.8	2		
20	16QAM	50	24	20.31	20.40	20.33						
20	16QAM	50	50	20.26	20.35	20.21			21.8	2		
20	16QAM	100	0	20.22	20.42	20.28						
20	16QAM	1	49	20.23	20.46	20.25			21.8	2		
20	16QAM	1	59	20.26	20.44	20.27						
20	16QAM	50	24	19.32	19.41	19.31			20.8	3		
20	16QAM	50	50	19.26	19.41	19.26						
20	16QAM	100	0	19.23	19.59	19.27			18.8	5		
20	256QAM	1	5	17.28	17.39	17.38						
20	256QAM	1	49	17.21	17.38	17.28			18.8	5		
20	256QAM	1	59	17.30	17.37	17.28						
20	256QAM	50	24	17.26	17.35	17.26			18.8	5		
20	256QAM	50	24	17.25	17.43	17.32						
20	256QAM	50	50	17.25	17.44	17.25			18.8	5		
20	256QAM	100	0	17.23	17.38	17.31						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.20	22.26	22.16			23.8	0		
15	QPSK	1	8	22.07	22.24	22.07						
15	QPSK	1	16	22.07	22.19	22.02			22.8	1		
15	QPSK	50	0	21.09	21.24	21.22						
15	QPSK	50	24	21.16	21.30	21.18			22.8	1		
15	QPSK	50	50	21.19	21.24	21.09						
15	QPSK	100	0	21.19	21.23	21.23			22.8	1		
15	QPSK	100	0	21.11	21.32	21.19						
15	16QAM	1	37	21.15	21.32	21.09			22.8	1		
15	16QAM	1	47	21.24	21.32	21.24						
15	16QAM	36	0	20.17	20.24	20.20			21.8	2		
15	16QAM	36	20	20.20	20.27	20.25						
15	16QAM	36	20	20.18	20.27	20.27			21.8	2		
15	16QAM	75	0	20.17	20.37	20.22						
15	16QAM	1	0	20.16	20.35	20.15			21.8	2		
15	16QAM	1	37	20.15	20.35	20.15						
15	16QAM	1	74	20.23	20.37	20.14			20.8	3		
15	16QAM	36	0	19.14	19.30	19.20						
15	16QAM	36	20	19.25	19.32	19.27			20.8	3		
15	16QAM	36	20	19.15	19.25	19.19						
15	16QAM	75	0	19.16	19.31	19.21			18.8	5		
15	16QAM	1	37	17.23	17.39	17.33						
15	256QAM	1	37	17.14	17.34	17.20			18.8	5		
15	256QAM	1	47	17.20	17.25	17.20						
15	256QAM	36	0	17.20	17.32	17.20			18.8	5		
15	256QAM	36	20	17.15	17.41	17.26						
15	256QAM	36	20	17.15	17.29	17.12			18.8	5		
15	256QAM	75	0	17.15	17.29	17.12						
15	256QAM	75	0	17.07	17.21	17.21			18.8	5		
15	256QAM	75	0	17.07	17.21	17.21						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.12	22.18	22.08			23.8	0		
10	QPSK	1	8	22.03	22.24	22.15						
10	QPSK	1	12	22.03	22.19	22.09			22.8	1		
10	QPSK	1	24	22.04	22.16	22.12						
10	QPSK	12	0	21.21	21.32	21.13			22.8	1		
10	QPSK	12	7	21.08	21.29	21.22						
10	QPSK	12	13	21.18	21.29	21.18			22.8	1		
10	QPSK	25	0	21.22	21.35	21.17						
10	16QAM	1	0	21.09	21.33	21.20			22.8	1		
10	16QAM	1	12	21.13	21.30	21.15						
10	16QAM	1	18	21.21	21.33	21.22			21.8	2		
10	16QAM	12	0	20.14	20.28	20.22						
10	16QAM	12	7	20.26	20.35	20.28			21.8	2		
10	16QAM	12	13	20.15	20.23	20.22						
10	16QAM	25	0	20.22	20.38	20.30			21.8	2		
10	16QAM	1	0	20.16	20.39	20.26						
10	16QAM	1	12	20.11	20.47	20.19			21.8	2		
10	16QAM	1	24	20.17	20.38	20.13						
10	16QAM	12	0	19.18	19.26	19.24			20.8	3		
10	16QAM	12	7	19.24	19.34	19.24						
10	16QAM	12	13	19.14	19.28	19.15			20.8	3		
10	16QAM	25	0	19.10	19.27	19.11						
10	256QAM	1	0	17.16	17.20	17.27			18.8	5		
10	256QAM	1	12	17.11	17.25	17.19						
10	256QAM	1	24	17.19	17.21	17.14			18.8	5		
10	256QAM	12	0	17.15	17.30	17.22						
10	256QAM	12	7	17.16	17.34	17.22			18.8	5		
10	256QAM	12	13	17.21	17.36	17.21						
10	256QAM	25	0	17.08	17.31	17.21			18.8	5		
10	256QAM	25	0	17.08	17.31	17.21						
Channel												

Band 25 Ant6 DS11											Band 66 Ant6 DS11										
RF (MHz)	Modem (MHz)	RF Rate (MHz)	Off (MHz)	Power Low (dBm)	Power Mid (dBm)	Power High (dBm)	Time Tune (min)	Time Tx (min)	Time Rx (min)	Time Tx+Rx (min)	RF (MHz)	Modem (MHz)	RF Rate (MHz)	Off (MHz)	Power Low (dBm)	Power Mid (dBm)	Power High (dBm)	Time Tune (min)	Time Tx (min)	Time Rx (min)	Time Tx+Rx (min)
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
20	GP8K	1	0	21.16	21.84	24.64	26.98				20	GP8K	1	0	22.61	22.94	22.94				
20	GP8K	1	48	21.60	21.73	21.58		23.3	0		20	GP8K	1	48	22.54	22.59	22.53	24.1	0		
20	GP8K	1	96	21.60	21.73	21.58		23.3	1		20	GP8K	1	96	22.54	22.59	22.53	24.1	1		
20	GP8K	60	0	20.61	20.77	20.77					20	GP8K	60	0	21.62	21.68	21.64				
20	GP8K	60	24	20.58	20.72	20.72					20	GP8K	60	24	21.50	21.57	21.58	23.1	1		
20	GP8K	60	48	20.58	20.72	20.72					20	GP8K	60	48	21.50	21.57	21.58	23.1	1		
20	16QAM	1	0	20.72	20.72	20.64					20	16QAM	1	0	21.69	21.67	21.59				
20	16QAM	1	0	20.69	20.76	20.71					20	16QAM	1	0	21.62	21.64	21.65				
20	16QAM	1	48	20.69	20.76	20.71					20	16QAM	1	48	21.62	21.64	21.65				
20	16QAM	1	96	20.69	20.76	20.71					20	16QAM	1	96	21.62	21.64	21.65				
20	16QAM	50	0	19.74	19.73	19.66					20	16QAM	50	0	20.60	20.59	20.66				
20	16QAM	50	24	19.74	19.73	19.66				23.3	20	16QAM	50	24	20.60	20.59	20.66				
20	16QAM	50	48	19.66	19.83	19.75					20	16QAM	50	48	20.57	20.52	20.52	21.1	2		
20	16QAM	100	0	19.66	19.80	19.66					20	16QAM	100	0	20.70	20.67	20.82				
20	16QAM	100	24	19.66	19.80	19.66					20	16QAM	100	24	20.70	20.67	20.82				
20	16QAM	100	48	19.64	19.81	19.70				23.3	20	16QAM	100	48	20.67	20.59	20.65	21.1	2		
20	16QAM	100	96	19.72	19.78	19.65					20	16QAM	100	96	20.65	20.50	20.47				
20	16QAM	100	96	19.69	19.78	19.65					20	16QAM	100	96	20.65	20.50	20.47				
20	16QAM	50	24	19.71	19.79	19.67				23.3	20	16QAM	50	24	19.46	19.54	19.50	21.1	3		
20	16QAM	50	48	19.73	19.81	19.67					20	16QAM	50	48	19.40	19.50	19.54				
20	16QAM	50	96	19.69	19.79	19.74					20	16QAM	50	96	19.47	19.51	19.50				
20	256QAM	1	0	15.63	19.84	18.80					20	256QAM	1	0	17.57	17.64	17.60				
20	256QAM	1	48	15.63	19.84	18.80					20	256QAM	1	48	17.57	17.64	17.60				
20	256QAM	1	96	15.69	18.80	18.80					20	256QAM	1	96	17.47	17.61	17.49	19.1			
20	256QAM	50	0	15.63	19.78	18.73					20	256QAM	50	0	17.63	17.62	17.57				
20	256QAM	50	24	15.63	19.78	18.73					20	256QAM	50	24	17.63	17.62	17.57				
20	256QAM	50	48	15.63	19.78	18.73					20	256QAM	50	48	17.47	17.55	17.48	19.1			
20	256QAM	50	96	15.65	18.80	18.80					20	256QAM	50	96	17.54	17.58	17.42				
20	256QAM	100	0	15.65	18.80	18.80					20	256QAM	100	0	17.54	17.58	17.42				
20	256QAM	100	24	15.65	18.80	18.80					20	256QAM	100	24	17.54	17.58	17.42				
20	256QAM	100	48	15.65	18.80	18.80					20	256QAM	100	48	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18.80	18.80					20	256QAM	100	96	17.54	17.58	17.42				
20	256QAM	100	96	15.65	18																

Band 38 Ant6 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit	MPE (dB)		
Channel										
Frequency (MHz)				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	23.88	24.04	24.00				
20	QPSK	1	49	23.85	24.01	23.96	25.5	0		
20	QPSK	1	99	23.94	24.00	23.95				
20	QPSK	50	0	22.99	23.09	22.97				
20	QPSK	50	24	23.01	23.03	22.94	24.5	1		
20	QPSK	50	50	22.97	22.96	22.93				
20	QPSK	100	0	23.02	23.04	22.99				
20	16QAM	1	49	23.01	22.96	22.95	24.5	1		
20	16QAM	1	99	22.95	23.01	22.94				
20	16QAM	50	0	22.04	22.08	21.92				
20	16QAM	50	24	21.95	22.01	21.97	23.5	2		
20	16QAM	50	50	21.95	22.02	21.90				
20	16QAM	100	0	21.95	22.07	21.97				
20	64QAM	1	0	22.00	21.98	22.11				
20	64QAM	1	49	21.98	21.94	22.03	23.5	2		
20	64QAM	1	99	21.90	21.98	21.92				
20	64QAM	50	0	20.97	21.04	20.93				
20	64QAM	50	24	21.04	21.02	20.99	22.5	3		
20	64QAM	50	50	20.99	21.06	20.90				
20	64QAM	100	0	21.02	21.03	21.00				
20	256QAM	1	0	19.01	19.10	19.02				
20	256QAM	1	49	19.01	18.98	18.94	20.5	5		
20	256QAM	1	99	18.99	19.01	18.96				
20	256QAM	50	0	19.02	19.02	18.96				
20	256QAM	50	24	19.07	19.09	19.01	20.5	5		
20	256QAM	50	50	18.96	19.06	18.98				
20	256QAM	100	0	18.92	19.06	18.88				
Frequency (MHz)				2577.5	2595	2612.5	100% <th></th> <th>MPE (dB)</th> <th></th>		MPE (dB)	
15	QPSK	1	0	23.91	23.90	23.90				
15	QPSK	1	37	23.85	23.91	23.89	25.5	0		
15	QPSK	1	74	23.91	23.94	23.91				
15	QPSK	36	0	22.96	22.97	22.91				
15	QPSK	36	20	22.93	22.94	22.85	24.5	1		
15	QPSK	36	39	22.87	22.92	22.80				
15	QPSK	75	0	22.92	22.97	22.88				
15	16QAM	1	0	22.96	22.96	22.85				
15	16QAM	1	37	22.92	22.90	22.93	24.5	1		
15	16QAM	1	74	22.82	22.88	22.81				
15	16QAM	36	0	21.92	22.02	21.87				
15	16QAM	36	20	21.98	21.99	21.88	23.5	2		
15	16QAM	36	39	21.81	21.96	21.82				
15	16QAM	75	0	21.89	21.94	21.93				
15	64QAM	1	0	21.89	21.92	22.02				
15	64QAM	1	37	21.95	21.85	21.96	23.5	2		
15	64QAM	1	74	21.84	21.87	21.84				
15	64QAM	36	0	20.85	20.99	20.80				
15	64QAM	36	20	20.93	20.89	20.94	22.5	3		
15	64QAM	36	39	20.85	20.98	20.82				
15	64QAM	75	0	20.96	20.97	20.98				
15	256QAM	1	0	18.98	18.97	18.97				
15	256QAM	1	37	18.95	18.93	18.90	20.5	5		
15	256QAM	1	74	18.96	19.04	18.93				
15	256QAM	36	0	18.96	18.92	18.87				
15	256QAM	36	20	18.96	18.97	18.98	20.5	5		
15	256QAM	36	39	18.83	18.92	18.94				
15	256QAM	75	0	18.89	18.94	18.79				
Channel										
Frequency (MHz)				37800 <th>38000<th>38200<th>100%<th></th><th>MPE (dB)</th><th></th></th></th></th>	38000 <th>38200<th>100%<th></th><th>MPE (dB)</th><th></th></th></th>	38200 <th>100%<th></th><th>MPE (dB)</th><th></th></th>	100% <th></th> <th>MPE (dB)</th> <th></th>		MPE (dB)	
10	QPSK	1	0	23.89	24.01	23.88				
10	QPSK	1	25	23.87	23.94	23.92	25.5	0		
10	QPSK	1	49	23.87	23.92	23.87				
10	QPSK	25	0	22.95	22.98	22.90				
10	QPSK	25	12	23.03	22.95	22.81	24.5	1		
10	QPSK	25	25	22.89	22.95	22.79				
10	QPSK	50	0	22.90	22.91	22.91				
10	16QAM	1	0	22.93	22.97	22.91				
10	16QAM	1	25	22.91	22.96	22.89	24.5	1		
10	16QAM	49	0	22.87	22.95	22.88				
10	16QAM	25	0	21.97	22.04	21.87				
10	16QAM	25	12	21.82	21.94	21.88	23.5	2		
10	16QAM	25	25	21.91	21.95	21.78				
10	16QAM	50	0	21.80	22.01	21.93				
10	64QAM	1	0	21.97	21.93	22.03				
10	64QAM	1	25	21.94	21.87	22.00	23.5	2		
10	64QAM	49	0	21.76	21.92	22.00				
10	64QAM	25	0	20.94	20.95	20.94				
10	64QAM	25	12	20.94	20.94	20.85	22.5	3		
10	64QAM	25	25	20.86	21.00	20.85				
10	64QAM	50	0	20.90	20.94	20.96				
10	256QAM	1	0	18.96	19.04	19.00				
10	256QAM	1	25	18.92	18.85	18.98	20.5	5		
10	256QAM	1	49	18.96	18.98	18.91				
10	256QAM	25	0	18.89	18.95	18.85				
10	256QAM	25	12	18.93	19.03	18.91	20.5	5		
10	256QAM	25	25	18.88	18.87	18.94				
10	256QAM	50	0	18.81	18.93	18.83				
Channel										
Frequency (MHz)				3777.5 <th>38000<th>38225<th>100%<th></th><th>MPE (dB)</th><th></th></th></th></th>	38000 <th>38225<th>100%<th></th><th>MPE (dB)</th><th></th></th></th>	38225 <th>100%<th></th><th>MPE (dB)</th><th></th></th>	100% <th></th> <th>MPE (dB)</th> <th></th>		MPE (dB)	
5	QPSK	1	0	23.95	23.97	23.86				
5	QPSK	1	12	23.90	23.95	23.88	25.5	0		
5	QPSK	1	24	23.94	23.95	23.84				
5	QPSK	12	0	22.87	23.03	22.86				
5	QPSK	12	7	22.87	23.00	22.84	24.5	1		
5	QPSK	12	13	22.91	22.96	22.87				
5	QPSK	25	0	22.91	22.94	22.89				
5	16QAM	1	0	22.93	22.97	22.99				
5	16QAM	1	12	22.96	22.91	22.89	24.5	1		
5	16QAM	1	24	22.83	22.88	22.85				
5	16QAM	12	0	21.92	21.97	21.88				
5	16QAM	12	7	21.88	21.90	21.92	23.5	2		
5	16QAM	12	13	21.81	21.95	21.78				
5	16QAM	25	0	21.89	22.00	21.87				
5	64QAM	1	0	21.90	21.94	22.07				
5	64QAM	1	12	21.87	21.86	21.95	23.5	2		
5	64QAM	1	24	21.82	21.88	21.86				
5	64QAM	12	0	20.93	20.91	20.86				
5	64QAM	12	7	20.95	20.96	20.88	22.5	3		
5	64QAM	12	13	20.88	20.93	20.83				
5	64QAM	25	0	20.99	20.99	20.87				
5	256QAM	1	0	18.93	19.06	18.94				
5	256QAM	1	12	18.94	18.93	18.83	20.5	5		
5	256QAM	1	24	18.90	18.97	18.89				
5	256QAM	12	0	18.92	18.88	18.85				
5	256QAM	12	7	18.99	19.06	18.97	20.5	5		
5	256QAM	12	13	18.88	18.88	18.94				
5	256QAM	25	0	18.78	18.95	18.84				

Band 41 Ant6 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Mid Ch / Freq.	Power Low Mid Ch / Freq.	Power High Mid Ch / Freq.	Power High Mid Ch / Freq.	Power High Mid Ch / Freq.	Tune up limit [dB]	MPE (dB)
Channel										
Frequency (MHz)				38750	40185	40620	41055	41490		
20	QPSK	1	0	24.09	23.88	24.11	24.02	24.07		
20	QPSK	1	49	24.00	23.90	24.08	23.90	24.04	25.1	0
20	QPSK	50	0	23.05	22.96	23.13	23.06	23.12		
20	QPSK	50	24	23.05	22.88	23.02	22.89	23.02	24.5	1
20	QPSK	50	50	22.93	22.85	23.06	22.95	23.02		
20	QPSK	100	23.88	22.93	22.85	23.02	22.96	23.05		
20	16QAM	1	0	23.07	22.95	23.10	23.05	23.04	24.5	1
20	16QAM	1	49	22.95	22.93	23.10	22.86	23.00		
20	16QAM	1	99	22.94	22.90	23.02	22.98	23.03		
20	16QAM	50	0	22.00	21.97	22.10	22.08	22.14		
20	16QAM	50	24	21.86	21.84	22.02	21.80	21.99	23.5	
20	16QAM	50	50	21.91	21.88	22.05	21.92	22.03		
20	16QAM	100	0	22.08	22.02	22.17	22.04	22.10		
20	16QAM	1	0	22.07	21.93	22.09	22.07	22.05	23.5	1
20	16QAM	1	49	21.86	21.84	22.02	21.80	21.99		
20	16QAM	1	99	21.94	21.91	22.04	21.93	22.00		
20	16QAM	50	0	21.01	20.91	21.08	21.04	21.13		
20	16QAM	50	24	21.05	20.85	20.99	20.95	21.05	22.5	3
20	16QAM	50	50	20.84	20.89	21.12	20.97	21.03		
20	16QAM	100	23.88	21.07	21.07	21.20	21.00	21.09		
20	25QAM	1	0	19.05	18.85	19.19	19.08	19.14	20.5	5
20	25QAM	1	49	19.08	18.86	19.01	18.92	19.08		
20	25QAM	1	99	18.92	18.85	19.10	18.93	19.08		
20	25QAM	50	0	19.06	19.07	19.19	19.08	19.14	20.5	5
20	25QAM	50	24	19.04	18.91	19.15	18.98	19.02		
20	25QAM	50	50	18.93	18.92	19.05	18.82	19.03		
20	25QAM	100	0	18.95	18.86	18.99	18.90	18.97		
Frequency (MHz)				39725	40185	40620	41055	41490	up limit [dB]	MPE (dB)
15	QPSK	1	0	24.00	23.93	24.02	23.95	23.99		
15	QPSK	1	37	23.97	23.85	23.97	23.86	23.88	26	0
15	QPSK	1	74	23.92	23.80	23.99	23.90	23.90		
15	QPSK	36	0	22.92	22.80	22.99	22.90	22.92	24.5	1
15	QPSK	36	20	22.95	22.79	22.98	22.79	22.92		
15	QPSK	36	39	22.84	22.73	23.00	22.92	22.89		
15	QPSK	75	0	23.06	22.92	23.05	22.86	23.01	24.5	1
15	QPSK	75	37	22.91	22.81	23.00	22.81	22.92		
15	16QAM	1	37	22.91	22.86	23.00	22.83	22.91	24.5	1
15	16QAM	1	74	22.84	22.81	22.93	22.85	22.92		
15	16QAM	36	0	21.96	21.95	22.04	21.99	22.07		
15	16QAM	36	20	21.99	21.75	22.03	21.95	21.98	23.5	2
15	16QAM	36	39	21.91	21.77	21.99	21.79	21.98		
15	16QAM	75	0	21.99	21.99	22.08	21.97	22.01		
15	16QAM	1	0	22.01	21.87	22.02	21.97	22.01	23.5	2
15	16QAM	1	37	21.89	21.81	21.99	21.80	21.93		
15	16QAM	1	74	21.81	21.81	21.99	21.81	21.92		
15	16QAM	36	0	20.92	20.80	21.03	20.96	21.09		
15	16QAM	36	20	20.93	20.74	20.87	20.90	20.92	22.5	3
15	16QAM	36	39	20.83	20.79	21.03	20.94	20.95		
15	16QAM	75	0	21.99	21.92	22.05	21.88	22.01	23.5	2
15	25QAM	1	0	19.01	18.93	19.05	18.95	19.04		
15	25QAM	1	37	19.05	18.82	18.91	18.88	19.02	20.5	
15	25QAM	1	74	18.84	18.82	19.03	18.81	19.00		
15	25QAM	36	0	18.94	18.95	19.03	18.96	18.94		
15	25QAM	36	20	19.02	18.80	18.93	18.84	18.94	20.5	5
15	25QAM	36	39	18.88	18.89	18.93	18.75	18.90		
15	25QAM	75	0	18.86	18.83	18.91	18.97	18.85		
Channel										
Frequency (MHz)				39700 <th>40160<th>40620<th>41088<th>41545<th>up limit [dB]</th><th>MPE (dB)</th></th></th></th></th>	40160 <th>40620<th>41088<th>41545<th>up limit [dB]</th><th>MPE (dB)</th></th></th></th>	40620 <th>41088<th>41545<th>up limit [dB]</th><th>MPE (dB)</th></th></th>	41088 <th>41545<th>up limit [dB]</th><th>MPE (dB)</th></th>	41545 <th>up limit [dB]</th> <th>MPE (dB)</th>	up limit [dB]	MPE (dB)
10	QPSK	1	0	24.05	23.90	24.05	23.93	23.95		
10	QPSK	1	24	23.92	23.84	23.98	23.86	23.87	26	0
10	QPSK	1	49	23.92	23.85	24.04	23.85	23.91		
10	QPSK	25	0	22.95	22.91	23.00	22.93	23.08	24.5	1
10	QPSK	25	12	22.92	22.81	22.97	22.87	22.91		
10	QPSK	25	25	22.91	22.71	23.04	22.86	22.93		
10	QPSK	50	0	22.99	22.91	23.01	22.90	23.03		
10	15QAM	1	0	22.99	22.86	23.07	23.00	23.02	24.5	1
10	15QAM	1	25	22.94	22.84	23.04	22.85	22.94		
10	16QAM	1	49	22.86	22.88	22.86	22.96	22.94		
10	16QAM	25	0	21.96	21.91	22.00	22.02	22.01	23.5	2
10	16QAM	25	12	21.95	21.73	22.03	21.79	21.85		
10	16QAM	25	25	21.76	21.73	21.95	21.75	21.81		
10	16QAM	50	0	22.08	21.97	22.15	21.95	22.07		
10	16QAM	1	0	21.99	21.90	22.04	21.88	22.00	23.5	2
10	16QAM	1	25	21.89	21.83	21.97	21.83	21.88		
10	16QAM	1	49	21.86	21.88	21.93	21.81	21.96		
10	16QAM	25	0	20.94	20.84	20.96	20.88	20.90	22.5	3
10	16QAM	25	12	20.94	20.72	20.96	20.85	20.93		
10	16QAM	25	25	20.86	20.76	21.10	20.85	20.90		
10	16QAM	50	0	21.01	21.01	21.01	20.94	20.97		
10	16QAM	1	0	21.86	21.86	21.96	21.84	21.90	20.5	5
10	25QAM	1	25	18.99	18.72	18.94	18.81	18.95		
10	25QAM	1	49	18.83	18.75	18.88	18.62	18.95		
10	25QAM	25	0	18.88	18.90	19.13	18.89	18.92	20.5	5
10	25QAM	25	12	18.94	18.86	19.00	18.89	18.98		
10	25QAM	25	25	18.88	18.88	18.93	18.74	18.99		
10	25QAM	50	0	18.86	18.79	18.89	18.82	18.95		
Channel										
Frequency (MHz)				39675 <th>40148<th>40620<th>41098<th>41565<th>up limit [dB]</th><th>MPE (dB)</th></th></th></th></th>	40148 <th>40620<th>41098<th>41565<th>up limit [dB]</th><th>MPE (dB)</th></th></th></th>	40620 <th>41098<th>41565<th>up limit [dB]</th><th>MPE (dB)</th></th></th>	41098 <th>41565<th>up limit [dB]</th><th>MPE (dB)</th></th>	41565 <th>up limit [dB]</th> <th>MPE (dB)</th>	up limit [dB]	MPE (dB)
5	QPSK	1	0	23.93	23.63	23.93	23.80	23.91		
5	QPSK	1	12	23.93	23.79	24.02	23.88	23.94	26	0
5	QPSK	1	24	23.94	23.84	24.03	23.92	23.96		
5	QPSK	12	0	22.98	22.89	23.11	22.94	23.05	24.5	1
5	QPSK	12	7	22.99	22.87	23.06	22.91	22.96		
5	QPSK	12	13	22.82	22.73	23.05	22.87	22.97		
5	QPSK	25	0	22.94	22.89	23.03	22.84	22.91		
5	16QAM	1	0	23.04	22.92	23.26	23.00	23.29	24.5	1
5	15QAM	1	12	22.89	22.89	23.06	22.73	22.87		
5	15QAM	12	0	22.92	22.82	23.07	22.77	22.92		
5	16QAM	12	0	21.91	21.95	22.02	21.97	22.09		
5	16QAM	12	7	21.94	21.80	21.99	21.78	21.98	23.5	2
5	16QAM	12	13	21.84	21.75	21.94	21.68	21.92		
5	16QAM	25	0	21.93	21.83	21.97	21.74	21.97		
5	16QAM	1	0	22.01	21.82	22.06	21.96	21.93	23.5	2
5	16QAM	1	12	21.92	21.81	22.05	21.97	21.96		
5	16QAM	1	24	21.83	21.86	21.97	21.87	21.88		
5	16QAM	12	0	20.90	20.86	21.04	20.87	20.98	22.5	3
5	16QAM	12	7	20.93	20.87	21.01	20.94	20.94		
5	25QAM	25	0	21.08	21.03	21.05	20.92	20.95		
5	25QAM	1	0	19.00	18.83	19.14	19.00	19.12	20.5	5
5	25QAM	1	49	18.96	18.83	18.98	18.81	18.91		
5	25QAM	1	24	18.76	18.81	19.03	18.68	19.04		
5	25QAM	12	0	18.92	19.01	19.05	18.91	19.00		
5	25QAM	12	7	18.99	18.82	19.10	18.91	18.99	20.5	5
5	25QAM	12	13	18.92	18.82	18.94	18.74	18.93		
5	25QAM	25	0	18.81	18.81	18.99	18.99	18.93		

		WCDMA II Ant7 DS1			WCDMA IV Ant7 DS1		
Band		WCDMA II			WCDMA IV		
TX Channel		9052	9400	9538	1312	1413	1513
Rx Channel		8952	8900	8958	1337	1338	1728
Frequency (MHz)		1852.4	1860	1907.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.91	21.30	19.44	19.38
3GPP Rel 99	AMR 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.42
3GPP Rel 6	HSDPA Subtest-1	18.93	18.86	18.86	20.30	18.50	18.50
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.55
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.88	18.04
3GPP Rel 6	HSDPA Subtest-4	18.35	18.54	18.43	19.80	18.04	18.17
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.90	20.30	18.44	18.47
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.82	18.04
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	17.89	17.92
3GPP Rel 6	HSUPA Subtest-1	18.87	18.96	18.88	20.30	18.53	18.60
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.60	17.58
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09

Band 2 Ant7 DS1i										Band 4 Ant7 DS1i										Band 7 Ant7 DS1i									
RF [MHz]	Modulation	RB Size	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Turn-up [dBm]	MPR [dB]		RF [MHz]	Modulation	RB Size	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Turn-up [dBm]	MPR [dB]		RF [MHz]	Modulation	RB Size	RF Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Turn-up [dBm]	MPR [dB]	
Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	19.81	19.85	19.93				20	QPSK	1	0	17.52	17.56	17.48				20	QPSK	1	0	18.25	18.31				
20	QPSK	1	48	19.87	19.92	19.81		21.1	0	20	QPSK	1	48	17.44	17.48	17.43		19.0	0	20	QPSK	1	48	18.17	18.29	18.27		19.7	
20	QPSK	50	0	19.88	19.90	19.95				20	QPSK	50	0	17.49	17.51	17.49				20	QPSK	50	0	18.29	18.31	18.28		19.7	
20	QPSK	50	48	19.98	19.99	19.95				20	QPSK	50	48	17.39	17.43	17.39				20	QPSK	50	48	18.23	18.27	18.24			
20	QPSK	50	24	19.93	19.92	19.94		20.8	0	20	QPSK	50	24	17.42	17.45	17.42				20	QPSK	50	24	18.12	18.22	18.25			
20	QPSK	100	0	19.99	19.99	19.99				20	QPSK	100	0	17.46	17.46	17.46				20	QPSK	100	0	18.15	18.21	18.18			
20	16QAM	1	0	19.97	19.95	19.91		20.8	0.5	20	16QAM	1	0	17.48	17.49	17.37				20	16QAM	1	0	18.12	18.22	18.26			
20	16QAM	1	48	19.93	19.95	19.91				20	16QAM	1	48	17.46	17.53	17.43				20	16QAM	1	48	18.06	18.21	18.19			
20	16QAM	1	99	19.95	19.95	19.94				20	16QAM	1	99	17.42	17.42	17.37				20	16QAM	1	99	18.05	18.14	18.13			
20	16QAM	50	0	19.94	19.97	19.95				20	16QAM	50	0	17.36	17.46	17.36				20	16QAM	50	0	18.17	18.19	18.15			
20	16QAM	50	48	19.99	19.98	19.99		19.5	1.5	20	16QAM	50	48	17.44	17.46	17.43				20	16QAM	50	48	18.04	18.12	18.05		19.7	
20	16QAM	100	0	19.98	19.98	19.98				20	16QAM	100	0	17.38	17.45	17.38				20	16QAM	100	0	18.13	18.16	18.15			
20	16QAM	100	48	19.96	19.98	19.99				20	16QAM	100	48	17.42	17.45	17.42				20	16QAM	100	48	18.07	18.12	18.08			
20	64QAM	1	49	19.94	17.96	19.93		19.5	1.5	20	64QAM	1	49	17.32	17.42	17.41				20	64QAM	1	49	18.09	18.16	18.24			
20	64QAM	1	99	19.94	19.96	19.96				20	64QAM	1	99	17.38	17.38	17.39				20	64QAM	1	99	18.06	18.20	18.14			
20	64QAM	1	49	17.96	17.94	17.97				20	64QAM	1	49	17.34	17.34	17.35				20	64QAM	1	49	18.07	18.20	18.18			
20	64QAM	50	24	19.98	19.96	17.94		18.5	2.5	20	64QAM	50	24	17.45	17.38	17.39				20	64QAM	50	24	18.01	18.11	18.11		19.7	
20	64QAM	50	24	17.96	17.92	17.91				20	64QAM	50	24	17.43	17.43	17.41				20	64QAM	50	24	18.07	18.14	18.14			
20	64QAM	100	0	19.97	19.97	19.97				20	64QAM	100	0	17.47	17.47	17.47				20	64QAM	100	0	18.14	18.14	18.14			
20	64QAM	100	48	19.95	19.94	19.94				20	64QAM	100	48	17.41	17.41	17.39				20	64QAM	100	48	18.07	18.08	18.08			
20	256QAM	1	0	19.92	19.94	19.91		19.5	4.5	20	256QAM	1	0	17.51	17.55	17.45		17.2	2	20	256QAM	1	0	18.21	18.24	18.13		19.7	
20	256QAM	1	48	19.88	19.93	19.82				20	256QAM	1	48	17.45	17.49	17.37				20	256QAM	1	48	18.16	18.21	18.10			
20	256QAM	1	99	19.92	19.93	19.92				20	256QAM	1	99	17.49	17.49	17.39				20	256QAM	1	99	18.17	18.17	18.17			
20	256QAM	1	48	17.96	17.92	17.91				20	256QAM	1	48	17.37	17.37	17.31				20	256QAM	1	48	18.08	18.11	18.11			
20	256QAM	50	0	19.99	19.98	19.99				20	256QAM	50	0	17.48	17.48	17.48				20	256QAM	50	0	18.18	18.18	18.18			
20	256QAM	50	48	19.97	19.97	19.97				20	256QAM	50	48	17.42	17.42	17.39				20	256QAM	50	48	18.12	18.12	18.12			
20	256QAM	50	24	19.98	19.97	19.97				20	256QAM	50	24	17.43	17.43	17.41				20	256QAM	50	24	18.13	18.13	18.13			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256QAM	100	0	18.19	18.19	18.19			
20	256QAM	100	48	19.97	19.97	19.97				20	256QAM	100	48	17.43	17.43	17.41				20	256QAM	100	48	18.13	18.13	18.13			
20	256QAM	100	24	19.98	19.97	19.97				20	256QAM	100	24	17.44	17.44	17.42				20	256QAM	100	24	18.14	18.14	18.14			
20	256QAM	100	0	19.99	19.99	19.99				20	256QAM	100	0	17.49	17.49	17.49				20	256Q								

Band 25 Ant7 DSI1													
BW (MHz)	Module ID	RB State	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up (dB)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	19.63	19.77	19.90			21.2	0			
20	QPSK	1	49	19.45	19.64	19.84							
20	QPSK	1	99	19.48	19.48	19.34			20.2	1			
20	QPSK	50	0	19.33	19.75	19.49							
20	QPSK	50	24	19.51	19.53	19.71			20.2	1			
20	QPSK	50	50	19.48	19.63	19.66							
20	QPSK	100	0	19.71	19.79	19.54			20.2	1			
20	16QAM	1	0	19.51	19.59	19.56							
20	16QAM	1	49	19.47	19.51	19.56			19.2	2			
20	16QAM	1	99	19.78	19.73	19.60							
20	16QAM	50	0	17.66	17.73	17.47			19.2	2			
20	16QAM	50	24	17.68	17.64	17.81							
20	16QAM	50	50	17.68	17.64	17.84			19.2	2			
20	16QAM	100	0	17.59	17.74	17.70							
20	16QAM	1	0	17.57	17.72	17.55			19.2	2			
20	16QAM	1	49	17.47	17.74	17.41							
20	16QAM	1	99	17.47	17.75	17.56			18.2	3			
20	16QAM	50	0	16.50	16.59	16.58							
20	16QAM	50	24	16.66	16.65	16.62			18.2	3			
20	16QAM	50	50	16.55	16.73	16.58							
20	16QAM	100	0	16.61	16.73	16.64			16.2	5			
20	256QAM	1	49	14.72	14.77	14.72							
20	256QAM	1	99	14.78	14.83	14.71			16.2	5			
20	256QAM	50	0	14.86	14.89	14.79							
20	256QAM	50	24	14.73	15.08	14.61			16.2	5			
20	256QAM	50	50	14.73	14.84	14.70							
20	256QAM	100	0	14.81	14.81	14.83							
Channel													
Frequency (MHz)													
16	QPSK	1	0	19.58	19.72	19.34			21.2	0			
16	QPSK	1	37	19.33	19.86	19.42							
16	QPSK	1	74	19.42	19.37	19.28			20.2	1			
16	QPSK	36	0	19.25	19.88	19.38							
16	QPSK	36	20	19.45	19.49	19.59			20.2	1			
16	QPSK	36	39	19.43	19.50	19.52							
16	QPSK	75	0	19.66	19.67	19.67			20.2	1			
16	QPSK	75	0	19.43	19.50	19.43							
16	16QAM	1	37	19.49	19.70	19.50			19.2	2			
16	16QAM	36	0	17.59	17.69	17.41							
16	16QAM	36	20	17.67	17.58	17.76			19.2	2			
16	16QAM	75	0	17.46	17.67	17.63							
16	16QAM	1	0	17.51	17.59	17.49			19.2	2			
16	16QAM	1	37	17.59	17.69	17.50							
16	16QAM	1	74	17.41	17.75	17.44			18.2	3			
16	16QAM	36	0	16.42	16.59	16.47							
16	16QAM	36	20	16.56	16.64	16.54			18.2	3			
16	16QAM	36	39	16.42	16.55	16.43							
16	16QAM	75	0	16.48	16.60	16.53			16.2	5			
16	256QAM	1	0	14.64	14.63	14.58							
16	256QAM	1	37	14.52	14.63	14.59			16.2	5			
16	256QAM	1	74	14.73	14.70	14.69							
16	256QAM	36	0	14.81	14.73	14.54			16.2	5			
16	256QAM	36	20	14.64	14.59	14.53							
16	256QAM	36	39	14.61	14.76	14.55			16.2	5			
16	256QAM	75	0	14.66	14.73	14.77							
Channel													
Frequency (MHz)													
10	QPSK	1	0	19.54	19.64	19.44			21.2	0			
10	QPSK	1	12	19.36	19.50	19.40							
10	QPSK	1	24	19.33	19.33	19.27			20.2	1			
10	QPSK	12	0	19.23	19.67	19.36							
10	QPSK	12	7	19.39	19.46	19.56			20.2	1			
10	QPSK	12	13	19.44	19.59	19.35							
10	QPSK	25	0	19.57	19.65	19.40			20.2	1			
10	16QAM	1	0	19.37	19.44	19.46							
10	16QAM	1	12	19.42	19.72	19.48			19.2	2			
10	16QAM	1	24	19.69	19.67	19.51							
10	16QAM	12	0	17.63	17.69	17.34			19.2	2			
10	16QAM	12	7	17.63	17.64	17.56							
10	16QAM	12	13	17.52	17.63	17.54			19.2	2			
10	16QAM	25	0	17.64	17.62	17.59							
10	16QAM	1	0	17.49	17.68	17.39			19.2	2			
10	16QAM	1	12	17.35	17.62	17.27							
10	16QAM	1	24	17.32	17.64	17.50			18.2	3			
10	16QAM	12	0	16.35	16.64	16.46							
10	16QAM	12	7	16.51	16.48	16.55			18.2	3			
10	16QAM	12	13	16.50	16.65	16.49							
10	16QAM	25	0	16.53	16.66	16.51			16.2	5			
10	256QAM	1	0	14.57	14.67	14.59							
10	256QAM	1	12	14.63	14.90	14.72			16.2	5			
10	256QAM	1	24	14.63	14.74	14.62							
10	256QAM	12	0	14.74	14.73	14.48			16.2	5			
10	256QAM	12	7	14.66	14.97	14.57							
10	256QAM	12	13	14.60	14.77	14.61			16.2	5			
10	256QAM	25	0	14.70	14.75	14.77							
Channel													
Frequency (MHz)													
3	QPSK	1	0	19.56	19.72	19.42			21.2	0			
3	QPSK	1	8	19.31	19.65	19.37							
3	QPSK	1	14	19.40	19.34	19.26			20.2	1			
3	QPSK	8	0	19.28	19.67	19							
3	QPSK	8	8	19.36	19.43	19.53			20.2	1			
3	QPSK	8	16	19.46	19.49	19.59							
3	QPSK	16	0	19.67	19.68	19.68			20.2	1			
3	16QAM	1	0	19.40	19.42	19.41							
3	16QAM	1	8	19.35	19.66	19.48			19.2	2			
3	16QAM	1	14	19.69	19.63	19.51							
3	16QAM	8	0	17.62	17.68	17.37			19.2	2			
3	16QAM	8	8	17.62	17.69	17.59							
3	16QAM	8	16	17.50	17.62	17.60			19.2	2			
3	16QAM	16	0	17.67	17.68	17.57							
3	16QAM	1	0	17.57	17.62	17.28			19.2	2			
3	16QAM	1	8	17.42	17.63	17.44							
3	16QAM	8	8	17.38	17.60	16.49			18.2	3			
3	16QAM	16	0	16.51	16.59	16.55							
3	256QAM	1	0	14.64	14.67	14.68			16.2	5			
3	256QAM	8	0	14.57	14.69	14.68							
3	256QAM	8	8	14.64	14.74	14.58			16.2	5			
3	256QAM	8	16	14.60	14.76	14.43							
3	256QAM	16	0	14.74	14.73	14.48			16.2	5			
3	256QAM	16	8	14.69	14.70	14.61							
3	256QAM	16	16	14.63	14.77	14.63							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	19.52	19.68	19.33			21.2	0			
1.4	QPSK	1	8	19.31	19.55	19.37							
1.4	QPSK	1	14	19.40	19.34	19.26			20.2	1			
1.4	QPSK	8	0	19.28	19.67	19.37							
1.4	QPSK	8	8	19.36	19.43	19.53			20.2	1			
1.4	QPSK	8	16	19.46	19.49	19.59							
1.4	QPSK	16	0	19.67	19.68	19.68			20.2	1			
1.4	16QAM	1	0	19.40	19.42	19.41							
1.4	16QAM	1	8	19.35	19.66	19.48			19.2	2			
1.4	16QAM	1	14	19.69	19.63	19.51							
1.4	16QAM	8	0	17.62	17.68	17.37			19.2	2			
1.4	16QAM	8	8	17.62	17.69	17.59							
1.4	16QAM	8	16	17.50	17.62	17.60			19.2	2			
1.4	16QAM	16	0	17.67	17.68	17.57							
1.4	16QAM	1	0	17.57	17.62	17.28			19.2	2			
1.4	16QAM	1	8	17.42	17.63	17.44							
1.4	16QAM	8	8	17.38	17.60	16.49			18.2	3			
1.4	16QAM	16	0	16.51	16.59	16.55							
1.4	256QAM	1	0	14.64	14.67	14.68			16.2	5			
1.4	256QAM	8	0	14.57	14.69	14.68							
1.4	256QAM	8	8	14.64	14.74	14.58			16.2	5			
1.4	256QAM	8	16	14.60	14.76	14.43							
1.4	256QAM	16	0	14.74	14.73	14.48			16.2	5			
1.4	256QAM	16	8	14.69	14.70	14.61							
1.4	256QAM	16	16	14.63	14.77	14.63							
Channel													
Frequency (MHz)													
0.7	QPSK	1	0	19.50	19.70	19.43			21.2	0			
0.7	QPSK	1	4	19.31	19.62	19.37							
0.7	QPSK	1	8	19.40	19.34	19.26			20.2	1			
0.7	QPSK	4	0	19.28	19.67	19.37							
0.7	QPSK	4	4	19.36	19.43	19.53			20.2	1			
0.7	QPSK	4	8	19.46	19.49	19.59							
0.7	QPSK	8	0	19.67	19.68	19.68			20.2	1			
0.7	16QAM	1	0	19.40	19.42	19.41							
0.7	16QAM	1	4	19.35	19.66	19.48			19.2	2			
0.7	16QAM	1	8	19.69	19.63	19.51							
0.7	16QAM	4	0	17.62	17.68	17.37			19.2	2			
0.7	16QAM	4	4	17.62	17.69	17.59							
0.7	16QAM	4	8	17.50	17.62	17.60			19.2	2			
0.7	16QAM	8	0	17.67	17.68	17.57							
0.7	16QAM	1	0	17.57	17.62	17.28			19.2	2			
0.7	16QAM	1	4	17.42	17.63	17.44							
0.7	16QAM	4	4	17.38	17.60	16.49			18.2	3			
0.7	16QAM	8	0	16.51									

Band 38 Ant7 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up (mW)	MPR (dB)		
Channel				37500	38000	38150				
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	0	19.61	19.65	19.58	21.3	0		
20	QPSK	1	49	19.58	19.60	19.44				
20	QPSK	1	99	19.54	19.53	19.47				
20	QPSK	50	0	19.50	19.62	19.47				
20	QPSK	50	24	19.50	19.59	19.49	21.3	0		
20	QPSK	50	50	19.58	19.55	19.51				
20	QPSK	100	0	19.52	19.58	19.53				
20	16QAM	1	0	19.51	19.55	19.52				
20	16QAM	1	49	19.48	19.50	19.38	21.3	0		
20	16QAM	1	99	19.48	19.41	19.34				
20	16QAM	50	0	19.45	19.52	19.37				
20	16QAM	50	24	19.41	19.48	19.41				
20	16QAM	50	50	19.55	19.52	19.43	21.3	0		
20	16QAM	100	0	19.39	19.54	19.44				
20	64QAM	1	0	19.52	19.51	19.48				
20	64QAM	1	49	19.50	19.53	19.35				
20	64QAM	1	99	19.47	19.41	19.38	20.3	1		
20	64QAM	50	0	18.60	18.67	18.56				
20	64QAM	50	24	18.53	18.56	18.46				
20	64QAM	50	50	18.54	18.51	18.37				
20	256QAM	1	0	18.47	18.63	18.51	18.3	3		
20	256QAM	1	0	16.62	16.70	16.64				
20	256QAM	1	49	16.61	16.57	16.38				
20	256QAM	1	99	16.52	16.58	16.44				
20	256QAM	50	0	16.51	16.62	16.52	18.3	3		
20	256QAM	50	24	16.55	16.59	16.44				
20	256QAM	50	50	16.54	16.56	16.37				
20	256QAM	100	0	16.50	16.53	16.52				
Channel				37625	38000	38175	Turn-up (mW)	MPR (dB)		
Frequency (MHz)				2577.5	2595.0	2612.5				
15	QPSK	1	0	19.57	19.58	19.55	21.3	0		
15	QPSK	1	37	19.60	19.52	19.46				
15	QPSK	1	74	19.52	19.46	19.46				
15	QPSK	36	0	19.43	19.63	19.48				
15	QPSK	36	20	19.44	19.62	19.46	21.3	0		
15	QPSK	36	39	19.53	19.58	19.54				
15	QPSK	75	0	19.47	19.61	19.45				
15	16QAM	1	0	19.52	19.51	19.53				
15	16QAM	1	37	19.48	19.47	19.33	21.3	0		
15	16QAM	1	74	19.49	19.42	19.37				
15	16QAM	36	0	19.43	19.53	19.30				
15	16QAM	36	20	19.33	19.41	19.36				
15	16QAM	36	39	19.47	19.55	19.45	21.3	0		
15	16QAM	75	0	19.38	19.51	19.47				
15	64QAM	1	0	19.52	19.45	19.43				
15	64QAM	1	37	19.46	19.55	19.38				
15	64QAM	1	74	19.46	19.36	19.37	20.3	1		
15	64QAM	36	0	18.63	18.70	18.49				
15	64QAM	36	20	18.52	18.51	18.44				
15	64QAM	36	39	18.50	18.52	18.51				
15	64QAM	75	0	18.41	18.66	18.51	18.3	3		
15	256QAM	1	0	16.64	16.64	16.61				
15	256QAM	1	37	16.61	16.56	16.30				
15	256QAM	1	74	16.45	16.56	16.45				
15	256QAM	36	0	16.51	16.63	16.46	18.3	3		
15	256QAM	36	20	16.52	16.58	16.39				
15	256QAM	36	39	16.54	16.49	16.55				
15	256QAM	75	0	16.45	16.55	16.47				
Channel				37100	38000	38200	Turn-up (mW)	MPR (dB)		
Frequency (MHz)				2575.0	2595.0	2615.0				
10	QPSK	1	0	19.59	19.61	19.58	21.3	0		
10	QPSK	1	25	19.61	19.64	19.47				
10	QPSK	1	49	19.58	19.46	19.40				
10	QPSK	25	0	19.52	19.60	19.41				
10	QPSK	25	12	19.50	19.60	19.48	21.3	0		
10	QPSK	25	25	19.53	19.56	19.48				
10	QPSK	50	0	19.54	19.59	19.53				
10	16QAM	1	0	19.55	19.53	19.45				
10	16QAM	1	25	19.45	19.45	19.34	21.3	0		
10	16QAM	1	49	19.43	19.38	19.37				
10	16QAM	25	0	19.42	19.53	19.38				
10	16QAM	25	12	19.41	19.52	19.36				
10	16QAM	25	25	19.52	19.47	19.44	21.3	0		
10	16QAM	50	0	19.37	19.47	19.38				
10	64QAM	1	0	19.45	19.45	19.47				
10	64QAM	1	25	19.48	19.57	19.38				
10	64QAM	1	49	19.40	19.42	19.38	20.3	1		
10	64QAM	25	0	18.64	18.62	18.57				
10	64QAM	25	12	18.47	18.54	18.39				
10	64QAM	25	25	18.52	18.52	18.48				
10	256QAM	1	0	16.54	16.62	16.67	18.3	3		
10	256QAM	1	25	16.54	16.58	16.38				
10	256QAM	1	49	16.55	16.56	16.44				
10	256QAM	25	0	16.44	16.66	16.49				
10	256QAM	25	12	16.51	16.63	16.41	18.3	3		
10	256QAM	25	25	16.56	16.49	16.56				
10	256QAM	50	0	16.51	16.47	16.50				
10	256QAM	50	25	16.55	16.56	16.44				
Channel				37775	38000	38225	Turn-up (mW)	MPR (dB)		
Frequency (MHz)				2572.5	2595.0	2617.5				
5	QPSK	1	0	19.61	19.62	19.53	21.3	0		
5	QPSK	1	12	19.62	19.57	19.42				
5	QPSK	1	24	19.48	19.50	19.46				
5	QPSK	12	0	19.54	19.62	19.43				
5	QPSK	12	7	19.40	19.60	19.43	21.3	0		
5	QPSK	12	13	19.57	19.56	19.47				
5	QPSK	25	0	19.44	19.53	19.47				
5	16QAM	1	0	19.52	19.56	19.54				
5	16QAM	1	12	19.41	19.46	19.31	21.3	0		
5	16QAM	1	24	19.42	19.38	19.30				
5	16QAM	12	0	19.45	19.49	19.33				
5	16QAM	12	7	19.42	19.41	19.39				
5	16QAM	12	13	19.49	19.55	19.43	21.3	0		
5	16QAM	25	0	19.32	19.57	19.39				
5	64QAM	1	0	19.45	19.46	19.49				
5	64QAM	1	12	19.45	19.52	19.32				
5	64QAM	1	24	19.40	19.42	19.31	20.3	1		
5	64QAM	12	0	18.59	18.69	18.50				
5	64QAM	12	7	18.51	18.55	18.50				
5	64QAM	12	13	18.47	18.51	18.41				
5	64QAM	25	0	18.42	18.55	18.55	18.3	3		
5	256QAM	1	0	16.65	16.65	16.62				
5	256QAM	1	24	16.48	16.52	16.45				
5	256QAM	12	0	16.54	16.66	16.49				
5	256QAM	12	7	16.50	16.57	16.38	18.3	3		
5	256QAM	12	13	16.55	16.56	16.45				
5	256QAM	25	0	16.49	16.50	16.44				

Band 42 Ant10 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dbm)	MPR (db)	
Channel				42150	42590	42990			
Frequency (MHz)				3450	3500	3540			
20	QPSK	1	0	24.92	24.96	24.97			
20	QPSK	1	49	24.91	25.02	24.88	20	0	
20	QPSK	1	99	24.88	24.97	24.87			
20	QPSK	50	0	23.94	24.15	23.97			
20	QPSK	50	24	23.92	24.10	24.03	25	1	
20	QPSK	50	50	23.89	24.00	23.93			
20	QPSK	100	0	24.04	24.12	24.00			
20	16QAM	1	0	23.97	24.06	23.99			
20	16QAM	1	49	23.97	24.07	23.99	25	1	
20	16QAM	1	99	24.00	24.11	23.94			
20	16QAM	50	0	22.92	23.03	22.95			
20	16QAM	50	24	23.04	23.06	23.08	24	2	
20	16QAM	50	50	22.95	23.10	22.97			
20	16QAM	100	0	22.97	23.08	23.03			
20	64QAM	1	0	22.90	23.15	22.95			
20	64QAM	1	49	22.93	23.18	22.97	24	2	
20	64QAM	1	99	22.98	23.14	23.02			
20	64QAM	50	0	21.89	22.12	22.03			
20	64QAM	50	24	21.98	22.12	22.04	23	3	
20	64QAM	50	50	22.04	22.13	21.93			
20	64QAM	100	0	21.95	22.12	21.93			
20	256QAM	1	0	19.95	20.07	20.07			
20	256QAM	1	49	19.94	20.13	19.97	21	5	
20	256QAM	1	99	19.95	20.02	19.96			
20	256QAM	50	0	19.88	20.08	20.00			
20	256QAM	50	24	19.91	20.13	20.00	21	5	
20	256QAM	50	50	19.97	20.18	19.92			
20	256QAM	100	0	19.88	20.10	20.05			
Channel				43150	43590	44010	↑↑↑↑↑	MPR (db)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.84	25.00	24.89			
15	QPSK	1	37	24.76	24.93	24.76	20	0	
15	QPSK	1	74	24.83	24.88	24.73			
15	QPSK	36	0	23.90	23.97	23.86			
15	QPSK	36	20	23.83	24.02	23.95	25	1	
15	QPSK	36	39	23.75	23.88	23.83			
15	QPSK	75	0	23.92	24.05	23.95			
15	16QAM	1	0	23.88	24.00	23.86			
15	16QAM	1	37	23.86	23.93	23.85	25	1	
15	16QAM	1	74	23.95	24.03	23.81			
15	16QAM	36	0	22.83	22.88	22.84			
15	16QAM	36	20	22.91	23.00	22.86	24	2	
15	16QAM	36	39	22.80	23.00	22.89			
15	16QAM	75	0	22.86	22.96	22.96			
15	64QAM	1	0	22.80	23.10	22.81	24	2	
15	64QAM	1	37	22.78	23.07	22.86			
15	64QAM	1	74	22.91	23.00	22.88			
15	64QAM	36	0	21.85	22.06	21.88			
15	64QAM	36	20	21.85	21.98	21.98	23	3	
15	64QAM	36	39	21.93	22.07	21.81			
15	64QAM	75	0	21.80	22.06	21.85			
15	256QAM	1	0	19.85	20.01	19.92			
15	256QAM	1	37	19.79	20.06	19.90	21	5	
15	256QAM	1	74	19.80	19.96	19.89			
15	256QAM	36	0	19.75	19.97	19.90			
15	256QAM	36	20	19.87	19.98	19.91	21	5	
15	256QAM	36	39	19.91	20.02	19.78			
15	256QAM	75	0	19.76	19.97	19.92			
Channel				42140	42590	43040	↑↑↑↑↑	MPR (db)	
Frequency (MHz)				3454.5	3500	3544.5			
10	QPSK	1	0	24.83	24.94	24.86			
10	QPSK	1	25	24.78	24.86	24.74	20	0	
10	QPSK	1	49	24.79	24.90	24.76			
10	QPSK	25	0	23.82	23.93	23.83			
10	QPSK	25	12	23.83	23.96	23.91	25	1	
10	QPSK	25	25	23.85	23.96	23.81			
10	QPSK	50	0	23.95	24.00	23.86			
10	16QAM	1	0	23.83	23.90	23.92	25	1	
10	16QAM	1	25	23.90	23.94	23.91			
10	16QAM	1	49	23.85	24.02	23.86			
10	16QAM	25	0	22.83	22.94	22.92			
10	16QAM	25	12	22.97	22.99	22.96	24	2	
10	16QAM	25	25	22.80	22.99	22.92			
10	16QAM	50	0	22.85	22.98	22.94			
10	64QAM	1	0	22.75	23.03	22.85	24	2	
10	64QAM	1	49	22.90	23.03	22.89			
10	64QAM	25	0	21.80	22.04	21.86			
10	64QAM	25	12	21.91	22.07	21.94	23	3	
10	64QAM	25	25	21.99	22.03	21.78			
10	64QAM	50	0	21.83	22.03	21.86			
10	256QAM	1	0	19.87	19.92	20.00	21	5	
10	256QAM	1	25	19.81	20.02	19.87			
10	256QAM	1	49	19.86	19.97	19.85			
10	256QAM	25	0	19.76	20.04	19.94			
10	256QAM	25	12	19.78	20.00	19.93	21	5	
10	256QAM	25	25	19.90	20.06	19.95			
10	256QAM	50	0	19.74	20.05	19.94			
Channel				42115	42590	43065	↑↑↑↑↑	MPR (db)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.83	24.90	24.82			
5	QPSK	1	12	24.76	24.80	24.81	20	0	
5	QPSK	1	24	24.75	24.92	24.79			
5	QPSK	12	0	23.90	23.92	23.81			
5	QPSK	12	7	23.81	24.01	23.90	25	1	
5	QPSK	12	13	23.78	23.90	23.94			
5	QPSK	25	0	23.95	24.03	23.93			
5	16QAM	1	0	23.87	24.00	23.83			
5	16QAM	1	12	23.85	23.97	23.94	25	1	
5	16QAM	1	24	23.95	24.00	23.82			
5	16QAM	12	0	22.83	22.96	22.91			
5	16QAM	12	7	22.96	22.99	22.95	24	2	
5	16QAM	12	13	22.90	23.05	22.92			
5	16QAM	25	0	22.84	22.92	22.88			
5	64QAM	1	0	22.80	23.09	22.83	24	2	
5	64QAM	1	12	22.89	23.09	22.90			
5	64QAM	1	24	22.83	23.07	22.93			
5	64QAM	12	0	21.83	22.02	21.90			
5	64QAM	12	7	21.88	22.07	21.93	23	3	
5	64QAM	12	13	21.86	22.07	21.79			
5	64QAM	25	0	21.90	22.06	21.87			
5	256QAM	1	0	19.89	19.96	20.00			
5	256QAM	1	12	19.88	20.06	19.89	21	5	
5	256QAM	1	24	19.97	19.90	19.87			
5	256QAM	12	0	19.82	20.03	19.94			
5	256QAM	12	7	19.77	19.99	19.95	21	5	
5	256QAM	12	13	19.87	20.06	19.77			
5	256QAM	25	0	19.75	20.05	19.97			

Band 48 Ant10 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dbm)	MPR (db)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3590	3600	3641	3690		
20	QPSK	1	0	23.29	23.38	23.31	23.36		
20	QPSK	1	49	23.37	23.38	23.30	23.36	25	0
20	QPSK	1	99	23.48	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47		
20	QPSK	50	24	22.47	22.51	22.49	22.54	24	1
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47		
20	16QAM	1	49	22.52	22.55	22.55	22.52	24	1
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40		
20	16QAM	50	24	21.46	21.59	21.47	21.54	23	2
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51		
20	64QAM	1	49	21.40	21.50	21.40	21.48	23	2
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47		
20	64QAM	50	24	20.38	20.60	20.39	20.50	22	3
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	64QAM	100	0	20.40	20.58	20.43	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36		
20	256QAM	1	49	18.47	18.55	18.52	18.46	20	5
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.49	18.45	18.49		
20	256QAM	50	24	18.42	18.55	18.40	18.39	20	5
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55315	55830	56160	56645	↑↑↑↑↑	MPR (db)

Reduced Power Mode for DSI3_Main PA

GSM850 AnT0 DSI3									
GSM850 AnT0	Burst Average Power (dBm)			Timeup Limit (dBm)	Frame-Average Power (dBm)			Timeup Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	128.2	133.4	148.8	128.2	133.4	148.8	128.2	133.4	148.8
GSM 1 Tx slot	33.53	33.23	33.61	34.00	24.51	24.23	24.61	25.00	
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00	
GPRS 2 Tx slot	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00	
GPRS 3 Tx slot	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94	
GPRS 4 Tx slot	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00	
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00	
EDGE 2 Tx slot	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00	
EDGE 3 Tx slot	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94	
EDGE 4 Tx slot	20.31	20.81	20.34	22.00	17.31	17.81	17.34	18.00	
WCDMA V AnT0 DSI3									
Band	WCDMA V			Timeup Limit (dBm)					
TX Channel	4132	4162	4233						
Rx Channel	4357	4407	4458						
Frequency (MHz)	926.4	926.4	926.4						
3GPP Rel 99 AMR 12.2kops	24.31	24.40	24.26	25.00					
3GPP Rel 99 RMC 12.2kops	24.41	24.43	24.37	25.00					
3GPP Rel 6 HSDPA Subtest-1	23.47	23.43	23.43	24.00					
3GPP Rel 6 HSDPA Subtest-2	23.42	23.48	23.43	24.00					
3GPP Rel 6 HSDPA Subtest-3	22.90	22.96	22.92	23.50					
3GPP Rel 6 HSDPA Subtest-4	22.89	22.99	22.89	23.50					
3GPP Rel 8 DC-HSDPA Subtest-1	23.45	23.40	23.37	24.00					
3GPP Rel 8 DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00					
3GPP Rel 8 DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50					
3GPP Rel 8 DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50					
3GPP Rel 6 HSUPA Subtest-1	23.39	23.43	23.36	24.00					
3GPP Rel 6 HSUPA Subtest-2	21.46	21.45	21.33	22.00					
3GPP Rel 6 HSUPA Subtest-3	22.38	22.39	22.38	23.00					
3GPP Rel 6 HSUPA Subtest-4	21.44	21.47	21.39	22.00					
3GPP Rel 6 HSUPA Subtest-5	23.42	23.41	23.36	24.00					
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50					

Band 5 Ant0 DSI3										
BW (MHz)	Module on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel 20425										
Frequency (MHz)										
10	QPSK	1	0	25.17	25.25	25.18				
10	QPSK	1	25	25.04	25.20	25.08		25.7	0	
10	QPSK	1	49	25.04	25.17	25.14				
10	QPSK	25	0	24.13	24.28	24.12				
10	QPSK	25	12	24.06	24.24	24.13			24.7	1
10	QPSK	25	25	24.03	24.14	24.10				
10	QPSK	50	0	24.22	24.27	24.21				
10	16QAM	1	0	24.12	24.26	24.23				
10	16QAM	1	25	24.05	24.14	24.09		24.7	1	
10	16QAM	1	49	24.00	24.18	24.18				
10	16QAM	25	0	23.18	23.27	23.18				
10	16QAM	25	12	23.07	23.30	23.12				
10	16QAM	25	25	22.99	23.10	23.14		23.7	2	
10	16QAM	50	0	23.28	23.21	23.24				
10	64QAM	1	0	23.08	23.27	23.27				
10	64QAM	1	25	22.99	23.09	23.06		23.7	2	
10	64QAM	1	49	23.01	23.22	23.21				
10	64QAM	25	0	22.13	22.22	22.08				
10	64QAM	25	12	22.00	22.25	22.11		22.7	3	
10	64QAM	25	25	22.06	22.31	22.14				
10	64QAM	50	0	22.16	22.23	22.18				
10	256QAM	1	0	20.16	20.33	20.15				
10	256QAM	1	25	20.05	20.20	20.08		20.7	5	
10	256QAM	1	49	20.07	20.10	20.05				
10	256QAM	25	0	20.26	20.32	20.21				
10	256QAM	25	12	20.09	20.24	20.18				
10	256QAM	25	25	20.01	20.13	20.05		20.7	5	
10	256QAM	50	0	20.03	20.17	20.18				
Channel 20415										
Frequency (MHz)										
5	QPSK	1	0	25.08	25.14	25.10				
5	QPSK	1	12	24.98	25.09	25.04		25.7	0	
5	QPSK	1	24	24.95	25.04	25.06				
5	QPSK	12	0	24.10	24.23	24.05				
5	QPSK	12	7	23.95	24.17	24.09		24.7	1	
5	QPSK	12	13	23.98	24.03	24.00				
5	QPSK	25	0	24.18	24.17	24.09				
5	16QAM	1	0	24.01	24.14	24.15				
5	16QAM	1	12	24.01	24.10	24.04		24.7	1	
5	16QAM	1	24	23.91	24.07	24.14				
5	16QAM	12	0	23.10	23.20	23.05				
5	16QAM	12	7	23.05	23.17	23.02		23.7	2	
5	16QAM	12	13	23.05	23.04	23.03				
5	16QAM	25	0	23.21	23.09	23.22				
5	64QAM	1	0	23.02	23.23	23.16				
5	64QAM	1	12	22.96	22.96	22.83		23.7	2	
5	64QAM	1	24	22.97	23.12	23.05				
5	64QAM	12	0	22.10	22.17	22.05				
5	64QAM	12	7	22.15	22.13	22.04		22.7	3	
5	64QAM	12	13	22.00	22.06	22.11				
5	64QAM	25	0	22.03	22.10	22.13				
5	256QAM	1	0	20.06	20.25	20.04				
5	256QAM	1	12	19.94	20.15	20.05		20.7	5	
5	256QAM	1	24	19.96	20.01	20.00				
5	256QAM	12	0	20.14	20.19	20.19				
5	256QAM	12	7	20.05	20.13	20.14		20.7	5	
5	256QAM	12	13	19.98	20.03	19.95				
5	256QAM	25	0	19.99	20.08	20.14				
Channel 20415										
Frequency (MHz)										
3	QPSK	1	0	25.08	25.20	25.15				
3	QPSK	1	8	24.93	25.14	25.01		25.7	0	
3	QPSK	1	14	24.95	25.08	25.01				
3	QPSK	8	0	24.09	24.19	24.05				
3	QPSK	8	4	24.04	24.14	24.02		24.7	1	
3	QPSK	8	7	24.00	24.01	24.07				
3	QPSK	15	0	24.18	24.14	24.15				
3	16QAM	1	0	24.02	24.20	24.14				
3	16QAM	1	8	23.94	24.05	24.00		24.7	1	
3	16QAM	1	14	23.86	24.10	24.12				
3	16QAM	8	0	23.09	23.21	23.11				
3	16QAM	8	4	22.96	23.19	23.03				
3	16QAM	8	7	22.89	23.04	23.08		23.7	2	
3	16QAM	15	0	23.14	23.16	23.12				
3	64QAM	1	0	22.96	23.13	23.22				
3	64QAM	1	8	22.87	23.01	23.00		23.7	2	
3	64QAM	1	14	22.82	23.17	23.11				
3	64QAM	8	0	22.01	22.11	21.96				
3	64QAM	8	4	21.88	22.19	22.02		22.7	3	
3	64QAM	8	7	22.00	22.05	22.12				
3	64QAM	15	0	22.07	22.20	22.13				
3	256QAM	1	0	20.08	20.29	20.08				
3	256QAM	1	8	20.02	20.16	20.02		20.7	5	
3	256QAM	1	14	20.05	19.98	19.92				
3	256QAM	8	0	20.24	20.26	20.16				
3	256QAM	8	4	20.06	20.18	20.14		20.7	5	
3	256QAM	8	7	19.95	20.06	19.96				
3	256QAM	15	0	19.98	20.13	20.04				
Channel 20407										
Frequency (MHz)										
1.4	QPSK	1	0	25.05	25.12	25.04				
1.4	QPSK	1	3	24.98	25.09	24.99				
1.4	QPSK	1	5	24.95	25.07	25.03		25.7	0	
1.4	QPSK	3	0	24.98	25.00	24.94				
1.4	QPSK	3	1	24.94	25.05	24.91				
1.4	QPSK	3	3	24.89	24.94	24.94				
1.4	QPSK	6	0	24.09	24.14	24.16		24.7	1	
1.4	16QAM	1	0	24.01	24.22	24.12				
1.4	16QAM	1	3	23.92	24.10	24.05				
1.4	16QAM	1	5	23.94	24.16	24.15				
1.4	16QAM	3	0	24.00	24.03	24.14		24.7	1	
1.4	16QAM	3	1	23.89	24.10	24.04				
1.4	16QAM	3	3	23.86	24.07	23.92				
1.4	16QAM	6	0	23.23	23.12	23.18		23.7	2	
1.4	64QAM	1	0	22.97	23.18	23.15				
1.4	64QAM	1	3	22.96	23.05	23.04				
1.4	64QAM	1	5	22.97	23.18	23.17		23.7	2	
1.4	64QAM	3	0	23.16	23.09	23.07				
1.4	64QAM	3	1	22.93	22.99	23.01				
1.4	64QAM	3	3	22.91	22.88	22.99				
1.4	256QAM	1	0	20.04	20.20	20.09		22.7	3	
1.4	256QAM	1	3	20.08	20.29	20.07				
1.4	256QAM	1	5	20.00	20.15	19.99				
1.4	256QAM	3	0	19.99	20.05	19.99		20.7	5	
1.4	256QAM	3	1	20.14	20.20	20.19				
1.4	256QAM	3	3	19.99	20.19	20.13				
1.4	256QAM	3	5	19.97	20.05	19.98				
1.4	256QAM	6	0	19.90	20.14	20.05		20.7	5	

Band 12 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 23000										
Frequency (MHz)										
10	QPSK	1	0	25.10	25.16	25.14				
10	QPSK	1	25	24.96	25.10	25.12		25.7	0	
10	QPSK	1	49	25.04	25.08	25.01				
10	QPSK	25	0	24.16	24.18	24.16				
10	QPSK	25	12	24.00	24.15	24.13				
10	QPSK	25	25	24.01	24.08	24.02		24.7	1	
10	QPSK	50	0	24.15	24.16	24.09				
10	16QAM	1	0	24.09	24.14	24.12				
10	16QAM	1	25	23.92	24.13	24.08		24.7	1	
10	16QAM	1	49	24.02	24.06	24.05				
10	16QAM	25	0	23.12	23.20	23.19				
10	16QAM	25	12	22.95	23.09	23.11				
10	16QAM	25	25	22.99	23.02	23.02		23.7	2	
10	16QAM	50	0	23.11	23.16	23.14				
10	64QAM	1	0	23.12	23.20	23.10				
10	64QAM	1	25	22.96	23.17	23.06		23.7	2	
10	64QAM	1	49	23.03	23.09	23.02				
10	64QAM	25	0	22.18	22.18	22.16				
10	64QAM	25	12	21.98	22.15	22.17		22.7	3	
10	64QAM	25	25	22.18	22.19	22.19				
10	64QAM	50	0	22.19	22.19	22.04				
10	256QAM	1	0	20.13	20.14	20.14				
10	256QAM	1	25	20.03	20.13	20.13		20.7	5	
10	256QAM	1	49	20.00	20.12	19.99				
10	256QAM	25	0	20.13	20.13	20.08				
10	256QAM	25	12	20.13	20.20	20.13		20.7	5	
10	256QAM	25	25	19.86	20.08	20.03				
10	256QAM	50	0	20.06	20.05	20.10				
				701.5	707.5	713.5				
Channel 23005										
Frequency (MHz)										
5	QPSK	1	0	25.07	25.07	25.07				
5	QPSK	1	12	24.89	25.03	24.99		25.7	0	
5	QPSK	1	24	24.94	25.02	24.91				
5	QPSK	12	0	24.13	24.34	24.04				
5	QPSK	12	12	24.03	24.33	23.92				
5	QPSK	25	0	23.97	23.96	23.92		24.7	1	
5	QPSK	25	0	24.02	24.04	23.95				
5	16QAM	1	0	24.03	24.09	24.07				
5	16QAM	1	12	23.82	24.11	24.05		24.7	1	
5	16QAM	24	0	24.00	23.85	24.02				
5	16QAM	12	0	22.95	23.03	23.03				
5	16QAM	12	7	22.90	23.06	23.06				
5	16QAM	12	13	22.86	22.89	22.92		23.7	2	
5	16QAM	25	0	23.06	23.09	23.03				
5	16QAM	1	0	23.09	23.18	23.08				
5	16QAM	1	12	22.90	23.11	22.85		23.7	2	
5	16QAM	24	0	22.90	23.03	22.90				
5	16QAM	12	0	22.07	22.12	22.12				
5	16QAM	12	7	21.93	22.11	22.09		22.7	3	
5	16QAM	12	13	21.93	22.02	21.87				
5	16QAM	25	0	22.09	22.16	22.01				
5	256QAM	1	0	20.07	20.07	20.07				
5	256QAM	1	12	19.95	20.02	20.15		20.7	5	
5	256QAM	1	24	19.90	20.00	19.92				
5	256QAM	12	0	20.04	20.10	20.01				
5	256QAM	12	7	20.02	20.16	20.07		20.7	5	
5	256QAM	12	13	19.76	19.95	19.82				
5	256QAM	25	0	19.97	19.97	19.91				
				2300.5	2306.5	2312.5				
Channel 23015										
Frequency (MHz)										
3	QPSK	1	0	25.06	25.07	25.12				
3	QPSK	1	8	24.88	25.03	25.00		25.7	0	
3	QPSK	1	14	25.01	25.03	24.99				
3	QPSK	8	0	24.02	24.05	24.02				
3	QPSK	8	4	23.94	24.05	23.94				
3	QPSK	8	7	23.96	24.05	23.96				
3	QPSK	15	0	24.11	24.13	24.00				
3	16QAM	1	0	24.01	24.00	24.08				
3	16QAM	1	8	23.88	24.05	23.87		24.7	1	
3	16QAM	1	14	24.00	23.95	24.00				
3	16QAM	8	0	23.00	23.16	23.00				
3	16QAM	8	4	22.83	22.99	23.04		23.7	2	
3	16QAM	8	7	22.89	22.99	22.88				
3	16QAM	15	0	22.87	23.11	23.04				
3	64QAM	1	0	23.05	23.17	22.89		23.7	2	
3	64QAM	1	8	22.87	23.11	22.87				
3	64QAM	1	14	22.99	23.07	22.89				
3	64QAM	8	0	22.05	22.13	22.03				
3	64QAM	8	4	21.85	22.05	22.12		22.7	2	
3	64QAM	8	7	21.86	21.99	21.96				
3	64QAM	15	0	22.06	22.07	21.84				
3	256QAM	1	0	20.01	20.09	20.01				
3	256QAM	1	8	19.98	20.00	20.10		20.7	5	
3	256QAM	1	14	19.96	20.10	19.95				
3	256QAM	8	0	20.08	20.05	19.95				
3	256QAM	8	4	20.00	20.12	20.08		20.7	5	
3	256QAM	8	7	20.06	20.08	20.06				
3	256QAM	15	0	20.03	19.92	20.07				
				2301.7	2306.7	2311.7				
Channel 23027										
Frequency (MHz)										
1.4	QPSK	1	0	25.00	25.08	25.13				
1.4	QPSK	1	3	24.93	24.97	25.06				
1.4	QPSK	1	5	24.95	24.97	24.95		25.7	0	
1.4	QPSK	1	7	24.96	25.00	24.96				
1.4	QPSK	3	3	24.82	24.94	25.00				
1.4	QPSK	3	3	24.82	24.90	24.89				
1.4	64QAM	6	0	24.01	24.05	23.95		24.7	1	
1.4	16QAM	1	0	24.01	24.05	24.03				
1.4	16QAM	1	3	24.08	24.08	24.08				
1.4	16QAM	1	5	23.94	24.02	24.03		24.7	1	
1.4	16QAM	3	0	23.98	23.99	23.85				
1.4	16QAM	3	1	23.99	23.92	23.87				
1.4	16QAM	3	3	23.76	24.06	23.92				
1.4	64QAM	6	0	23.01	23.10	23.10		23.7	2	
1.4	64QAM	6	3	23.13	23.13	23.13				
1.4	64QAM	3	3	22.93	23.12	23.03				
1.4	64QAM	1	5	22.92	23.07	22.94		23.7	2	
1.4	64QAM	3	0	22.95	22.99	23.07				
1.4	64QAM	3	1	22.91	23.01	23.00				
1.4	64QAM	3	3	22.81	22.99	22.80		22.7	3	
1.4	256QAM	1	0	20.03	20.05	20.08				
1.4	256QAM	1	3	19.91	20.01	20.10				
1.4	256QAM	1	5	19.86	20.02	19.96		20.7	5	
1.4	256QAM	3	0	20.10	20.05	19.99				
1.4	256QAM	3	1	20.08	20.10	20.08				
1.4	256QAM	3	3	19.77	19.98	19.94				
1.4	256QAM	6	0	19.99	19.93	20.01		20.7	2	

Band 26 Ant0 DS13										Band 71 Ant0 DS13										
BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch / Freq 26765	Power Middle Ch / Freq 26865	Power High Ch / Freq 26965	Tune- up limit (dBm)	MPR (dB)		BW [MHz]	Modulati on	RB Size	RB Offset	Power Low Ch / Freq 133222	Power Middle Ch / Freq 133322	Power High Ch / Freq 133372	Tune- up limit (dBm)	MPR (dB)		
Channel										Channel										
Frequency (MHz)										Frequency (MHz)										
15	QPSK	1	0	24.95	25.04	25.01	25.7	0		20	QPSK	1	0	25.13	25.14	25.06	25.7	0		
15	QPSK	1	37	24.82	24.94	24.97				20	QPSK	1	49	25.06	25.11	25.06				
15	QPSK	1	74	24.89	24.90	24.89				20	QPSK	1	99	25.12	25.07	24.98				
15	QPSK	36	0	24.07	24.12	23.98	24.7	1		20	QPSK	50	0	24.17	24.19	24.11	24.7	1		
15	QPSK	36	20	23.84	24.04	23.99				20	QPSK	50	24	24.01	24.16	24.02				
15	QPSK	36	36	23.84	23.95	23.99				20	QPSK	50	50	24.12	24.13	23.90				
15	QPSK	75	0	23.98	24.05	23.94	24.7	1		20	QPSK	100	0	24.12	24.10	24.10	23.7	2		
15	16QAM	1	0	24.08	24.00	24.11				20	16QAM	1	0	24.07	24.13	24.14				
15	16QAM	1	37	23.74	24.03	23.95				20	16QAM	1	49	24.07	24.14	23.99				
15	16QAM	1	74	23.87	23.85	23.91	23.7	2		20	16QAM	1	99	24.08	24.12	23.97	23.7	2		
15	16QAM	36	0	22.93	23.10	23.12				20	16QAM	50	0	23.19	23.13	23.06				
15	16QAM	36	20	22.87	22.98	22.99				20	16QAM	50	24	23.07	23.13	23.90				
15	16QAM	36	36	22.86	22.92	22.98	23.7	2		20	16QAM	50	50	23.16	23.15	22.98	23.7	2		
15	16QAM	75	0	23.04	23.04	22.93				20	16QAM	100	0	23.11	23.17	23.15				
15	64QAM	1	0	23.02	23.00	23.00				20	64QAM	1	0	23.09	23.12	23.18				
15	64QAM	1	37	22.87	23.00	22.91	23.7	2		20	64QAM	1	49	23.12	23.14	23.02	23.7	2		
15	64QAM	1	74	22.92	22.96	22.91				20	64QAM	1	99	23.08	23.12	22.99				
15	64QAM	36	0	22.05	21.99	22.03				20	64QAM	50	0	22.20	22.18	22.08				
15	64QAM	36	20	21.78	22.04	22.14	22.7	3		20	64QAM	50	24	22.00	22.10	22.01	22.7	3		
15	64QAM	36	36	21.85	21.87	21.92				20	64QAM	50	50	22.08	22.16	22.06				
15	64QAM	75	0	22.13	22.12	21.84				20	64QAM	100	0	22.17	22.13	22.07				
15	256QAM	1	0	20.05	19.97	20.05	20.7	5		20	256QAM	1	0	20.13	20.12	20.13	20.7	5		
15	256QAM	1	37	19.91	19.97	20.05				20	256QAM	1	49	20.07	20.17	20.01				
15	256QAM	1	74	19.92	19.96	19.89				20	256QAM	1	99	20.13	20.24	20.01				
15	256QAM	36	0	19.92	20.12	20.00	20.7	5		20	256QAM	50	0	20.12	20.12	20.13	20.7	5		
15	256QAM	36	20	19.97	20.08	20.01				20	256QAM	50	24	20.06	20.10	20.17				
15	256QAM	36	36	19.66	20.00	19.92				20	256QAM	50	50	20.10	20.15	19.96				
15	256QAM	75	0	19.94	19.88	19.94	20.7	5		20	256QAM	100	0	20.06	20.07	19.91	20.7	5		
Channel			26760	26865	26965	Channel														
Frequency (MHz)			819	831.5	844	Frequency (MHz)														
10	QPSK	1	0	24.83	24.92	24.97	25.7	0		15	QPSK	1	0	25.01	25.04	24.97	25.7	0		
10	QPSK	1	25	24.72	24.90	24.86				15	QPSK	1	37	24.96	25.01	24.91				
10	QPSK	1	49	24.80	24.85	24.82				15	QPSK	1	74	25.03	25.04	24.94				
10	QPSK	25	0	24.05	24.10	23.87	24.7	1		15	QPSK	36	0	24.07	24.13	24.03	24.7	1		
10	QPSK	25	12	23.81	23.96	23.95				15	QPSK	36	24	24.07	24.07	24.07				
10	QPSK	25	25	23.76	23.89	23.96				15	QPSK	36	39	24.05	23.98	23.95				
10	QPSK	50	0	23.93	24.00	23.94	24.7	1		15	QPSK	75	0	24.00	24.09	24.07	24.7	1		
10	16QAM	1	0	24.01	23.92	24.10				15	16QAM	1	0	24.00	24.02	24.00				
10	16QAM	1	25	23.64	23.94	23.87				15	16QAM	1	37	23.95	24.06	23.88				
10	16QAM	1	49	23.84	23.83	23.91	23.7	2		15	16QAM	1	49	23.97	24.07	23.91	23.7	2		
10	16QAM	25	0	22.89	22.99	23.09				15	16QAM	36	0	23.12	23.07	23.04				
10	16QAM	25	12	22.81	22.87	22.87				15	16QAM	36	20	23.01	23.03	22.87				
10	16QAM	25	25	22.77	22.89	22.96	23.7	2		15	16QAM	36	39	23.12	23.05	22.94	23.7	2		
10	16QAM	50	0	22.98	23.01	22.98				15	16QAM	75	0	23.04	23.10	23.05				
10	64QAM	1	0	22.96	22.89	23.00				15	64QAM	1	0	23.03	23.08	23.14				
10	64QAM	1	25	22.76	22.93	22.80	22.7	3		15	64QAM	1	49	23.07	23.10	22.99	22.7	3		
10	64QAM	1	49	22.86	22.87	22.90				15	64QAM	1	74	22.95	23.00	22.89				
10	64QAM	25	0	21.70	21.88	21.95				15	64QAM	36	0	22.16	22.08	22.05				
10	64QAM	25	12	21.70	21.99	22.04	22.7	3		15	64QAM	36	20	21.88	21.96	21.95	22.7	3		
10	64QAM	25	25	21.76	21.96	21.81				15	64QAM	36	39	22.05	22.13	21.82				
10	64QAM	50	0	22.12	22.11	21.73				15	64QAM	75	0	22.13	22.09	21.83				
10	256QAM	1	0	19.95	19.90	20.00	20.7	5		15	256QAM	1	0	20.09	20.14	20.11	20.7	5		
10	256QAM	1	25	19.89	19.97	20.02				15	256QAM	1	37	19.98	20.14	20.00				
10	256QAM	1	49	19.85	19.88	19.79				15	256QAM	1	74	19.99	20.05	19.90				
10	256QAM	25	0	19.80	20.00	19.97	20.7	5		15	256QAM	36	0	20.01	20.02	20.05	20.7	5		
10	256QAM	25	12	19.92	20.04	19.98				15	256QAM	36	20	20.01	20.07	20.09				
10	256QAM	25	25	19.60	19.92	19.85				15	256QAM	36	39	20.06	20.11	20.01				
10	256QAM	50	0	19.83	19.85	19.82	20.7	5		15	256QAM	75	0	19.94	20.04	19.93	20.7	5		
Channel			26715	26865	27015	Channel														
Frequency (MHz)			816.5 <th>831.5<th>846.5</th><th colspan="10">Frequency (MHz)</th></th>	831.5 <th>846.5</th> <th colspan="10">Frequency (MHz)</th>	846.5	Frequency (MHz)														
5	QPSK	1	0	24.91	24.93	24.97	25.7	0		10	QPSK	1	0	25.04	25.04	24.95	25.7	0		
5	QPSK	1	12	24.80	24.89	24.87				10	QPSK	1	25	25.00	25.01	24.94				
5	QPSK	1	24	24.77	24.81	24.78				10	QPSK	1	49	25.06	25.09	24.94				
5	QPSK	12	0	24.03	24.12	23.93	24.7	1		10	QPSK	25	0	24.12	24.15	24.07	24.7	1		
5	QPSK	12	7	23.84	24.02	23.87				10	QPSK	25	12	23.98	24.04	23.98				
5	QPSK	12	13	23.83	23.95	23.88				10	QPSK	25	25	24.00	23.99	23.94				
5	QPSK	25	0	23.91	24.04	23.94	24.7	1		10	QPSK	50	0	24.03	24.05	24.04	24.7	1		
5	16QAM	1	0	24.01	23.95	24.02				10	16QAM	1	0	24.00	24.02	24.01				
5	16QAM	1	12	23.73	23.92	23.87				10	16QAM	1	25	23.95	24.04	23.88				
5	16QAM	1	24	23.82	23.79	23.86	23.7	2		10	16QAM	1	49	23.96	24.06	23.93	23.7	2		
5	16QAM	12	0	22.91	23.00	23.07				10	16QAM	25	0	23.15	22.99	22.96				
5	16QAM	12	7	22.83	22.92	22.97				10	16QAM	25	12	22.93	23.03	22.89				
5	16QAM	12	13	22.85	22.87	22.88	22.7	3		10	16QAM	25	25	23.03	23.03	22.87	22.7	3		
5	16QAM	25	0	23.00	22.96	22.90				10	16QAM	25	39	23.04	23.05	22.99				
5	64QAM	1	0	22.98	22.88	22.98				10	64QAM	1	0	22.99	22.99	23.08				
5	64QAM	1	12	22.85	22.93	22.88	23.7	2		10	64QAM	1	25	23.00	23.10	22.95	23.7	2		
5	64QAM	1	24	22.84	22.85	22.87				10	64QAM	1	49	22.99	22.99	22.88				
5	64QAM	12	0	22.03	21.87	21.82				10	64QAM	25	0	22.14	22.08	21.99				
5	64QAM	12	7	21.72	21.92	22.02	20.7	5		10	64QAM	25	12	21.85	21.98	21.95	20.7	5		
5	64QAM	12	13	21.73	21.92	21.80				10	64QAM	25	25	21.92	22.01	21.90				
5	64QAM	25	0	22.05	22.01	21.74				10	64QAM	50	0	22.06	22.04	21.96				
5	256QAM	1	0	19.84	19.92	20.05	20.7	5		10	256QAM	1	0	20.06	20.15	20.01	20.7	5		
5	256QAM	1	12	19.88	19.92	20.04				10	256QAM	1	25	20.02	20.12	20.03				
5	256QAM	1	24	19.80	19.87	19.86				10	256QAM	1	49	20.03	20.00	19.91				
5	256QAM																			

GSM850 Ant1 DSS									
GSM850		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		124.2	180.4	148.8	(dBm)	124.2	180.4	148.8	(dBm)
GSM 1 Tx slot		33.03	33.23	33.12	34.60	24.06	24.26	24.12	25.60
GPRS 1 Tx slot		33.12	33.25	33.18	34.60	24.12	24.25	24.18	25.60
GPRS 2 Tx slot		30.28	30.37	30.31	31.60	24.28	24.37	24.31	25.60
GPRS 3 Tx slot		26.23	26.47	26.30	29.80	23.97	24.21	24.26	25.54
GPRS 4 Tx slot		26.77	27.09	26.79	28.60	23.77	24.09	23.79	25.60
EDGE 1 Tx slot		27.12	27.23	27.16	28.90	18.12	18.23	18.16	19.90
EDGE 2 Tx slot		23.79	24.01	23.70	25.50	17.79	18.01	17.70	19.50
EDGE 3 Tx slot		21.91	22.11	21.86	23.30	17.65	17.85	17.62	19.24
EDGE 4 Tx slot		19.91	20.12	20.19	21.50	16.91	17.12	17.19	18.50
WCDMA V Ant1 DSS									
Band		WCDMA V			Time-up Limit (dBm)				
TX Channel		4152	4162	4233					
Rx Channel		4357	4407	4458	(dBm)				
Frequency (MHz)		183.4	183.4	186.6					
3GPP Rel 99 AMR 12.2Kbps		20.38	20.48	20.37	21.50				
3GPP Rel 99 RMC 12.2Kbps		20.48	20.51	20.45	21.50				
3GPP Rel 6 HSDPA Subtest-1		19.48	19.53	19.47	20.50				
3GPP Rel 6 HSDPA Subtest-2		19.53	19.50	19.44	20.50				
3GPP Rel 6 HSDPA Subtest-3		19.62	19.66	19.94	20.00				
3GPP Rel 6 HSDPA Subtest-4		18.94	18.86	18.93	20.00				
3GPP Rel 8 DC-HSDPA Subtest-1		19.42	19.51	19.42	20.50				
3GPP Rel 8 DC-HSDPA Subtest-2		19.53	19.49	19.48	20.50				
3GPP Rel 8 DC-HSDPA Subtest-3		19.01	19.06	18.96	20.00				
3GPP Rel 8 DC-HSDPA Subtest-4		19.01	19.04	18.96	20.00				
3GPP Rel 6 HSUPA Subtest-1		19.45	19.48	19.42	20.50				
3GPP Rel 6 HSUPA Subtest-2		17.48	17.54	17.41	18.50				
3GPP Rel 6 HSUPA Subtest-3		18.52	18.49	18.42	19.50				
3GPP Rel 6 HSUPA Subtest-4		17.50	17.46	17.41	18.50				
3GPP Rel 6 HSUPA Subtest-5		19.45	19.49	19.43	20.50				
3GPP Rel 7 HSFA+ (16QAM) Subtest-1		18.93	17.07	18.90	18.00				

Band 5 Ant1 DS13									
BW [MHz]	Module on	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)									
				829	836.5	844			
10	QPSK	1	0	21.08	21.11	21.06			
10	QPSK	1	25	21.04	21.04	21.07	21.7	0	
10	QPSK	1	49	20.99	21.00	21.00			
10	QPSK	25	0	20.97	21.08	21.08			
10	QPSK	25	12	21.04	21.01	21.02			
10	QPSK	25	25	20.95	20.98	20.95	21.7	0	
10	QPSK	50	0	21.06	21.07	20.99			
10	16QAM	1	0	20.95	21.00	20.96			
10	16QAM	1	25	20.96	20.91	20.89	21.7	0	
10	16QAM	1	49	20.89	20.89	20.95			
10	16QAM	25	0	20.94	20.95	20.92			
10	16QAM	25	12	21.00	20.96	20.91			
10	16QAM	25	25	20.84	20.91	20.91	21.7	0	
10	16QAM	50	0	20.98	20.97	20.96			
10	16QAM	1	0	21.00	20.99	21.01			
10	16QAM	1	25	20.91	20.95	20.86	21.7	0	
10	16QAM	1	49	20.94	20.93	20.89			
10	16QAM	25	0	20.92	20.94	20.94			
10	16QAM	25	12	21.02	20.91	20.88	21.7	0	
10	16QAM	25	25	20.92	20.91	20.89			
10	16QAM	50	0	20.99	20.97	20.93			
10	256QAM	1	0	20.07	20.16	20.03			
10	256QAM	1	25	20.08	20.05	20.01	20.7	1	
10	256QAM	1	49	19.97	19.94	19.96			
10	256QAM	25	0	20.00	20.10	19.96			
10	256QAM	25	12	20.01	20.01	19.98			
10	256QAM	25	25	19.91	19.99	19.92	20.7	1	
10	256QAM	50	0	20.04	20.09	19.96			
Channel									
Frequency (MHz)									
				826.5	836.5	846.5			
5	QPSK	1	0	20.98	20.98	21.01			
5	QPSK	1	12	20.92	20.97	19.85	21.7	0	
5	QPSK	1	24	20.94	20.95	20.89			
5	QPSK	12	0	20.93	20.98	20.94			
5	QPSK	12	7	21.01	20.92	20.99	21.7	0	
5	QPSK	12	13	20.92	20.95	20.92			
5	QPSK	25	0	21.02	20.94	20.94			
5	16QAM	1	0	20.99	20.98	20.97			
5	16QAM	1	12	20.87	20.88	20.76	21.7	0	
5	16QAM	1	24	20.84	20.84	20.92			
5	16QAM	12	0	20.87	20.84	20.85			
5	16QAM	12	7	20.94	20.86	20.86	21.7	0	
5	16QAM	12	13	20.81	20.80	20.87			
5	16QAM	25	0	20.96	20.89	20.90			
5	16QAM	1	0	20.94	20.91	20.99			
5	16QAM	1	12	20.80	20.93	20.80	21.7	0	
5	16QAM	1	24	20.89	20.89	20.83			
5	16QAM	12	0	20.87	20.86	20.91			
5	16QAM	12	7	20.97	20.87	20.94	21.7	0	
5	16QAM	12	13	20.78	20.84	20.85			
5	16QAM	25	0	20.91	20.86	20.83			
5	256QAM	1	0	20.02	20.11	19.95			
5	256QAM	1	12	19.94	19.95	19.97	20.7	1	
5	256QAM	1	24	19.87	19.90	19.87			
5	256QAM	12	0	19.88	20.07	19.93			
5	256QAM	12	7	19.95	19.97	19.95			
5	256QAM	12	13	19.87	19.92	19.87	20.7	1	
5	256QAM	25	0	19.96	20.06	19.93			
Channel									
Frequency (MHz)									
				826.5	836.5	847.5			
3	QPSK	1	0	21.00	21.08	21.04			
3	QPSK	1	8	21.01	20.92	20.88	21.7	0	
3	QPSK	1	14	20.89	20.97	20.87			
3	QPSK	8	0	20.88	20.99	20.88			
3	QPSK	8	4	20.91	20.93	20.89	21.7	0	
3	QPSK	8	7	20.87	20.92	20.85			
3	QPSK	15	0	21.03	20.96	20.94			
3	16QAM	1	0	20.84	20.94	20.89			
3	16QAM	1	8	20.91	20.84	20.90	21.7	0	
3	16QAM	1	14	20.79	20.75	20.87			
3	16QAM	8	0	20.90	20.82	20.85			
3	16QAM	8	4	20.97	20.87	20.94			
3	16QAM	8	7	20.77	20.88	20.87	21.7	0	
3	16QAM	15	0	20.95	20.87	20.86			
3	16QAM	1	0	20.89	20.88	20.79	21.7	0	
3	16QAM	1	8	20.87	20.90	20.79			
3	16QAM	1	14	20.96	20.80	20.82			
3	16QAM	8	0	20.87	20.81	20.84			
3	16QAM	8	4	20.88	20.86	20.75	21.7	0	
3	16QAM	8	7	20.72	20.82	20.83			
3	16QAM	15	0	20.97	20.95	20.88			
3	256QAM	1	0	20.02	20.03	19.96			
3	256QAM	1	8	20.03	20.00	19.97	20.7	1	
3	256QAM	1	14	19.94	19.84	19.92			
3	256QAM	8	0	19.90	20.05	19.92			
3	256QAM	8	4	19.89	19.91	19.90	20.7	1	
3	256QAM	8	7	19.83	19.86	19.83			
3	256QAM	15	0	19.93	20.06	19.91			
Channel									
Frequency (MHz)									
				824.7	836.5	848.3			
1.4	QPSK	1	0	21.05	21.01	20.96			
1.4	QPSK	1	3	21.01	20.92	20.93			
1.4	QPSK	1	5	20.90	20.94	20.87	21.7	0	
1.4	QPSK	3	0	20.89	21.06	20.91			
1.4	QPSK	3	1	21.02	20.97	20.92			
1.4	QPSK	3	3	20.87	20.87	20.82			
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0	
1.4	16QAM	1	0	20.86	20.93	20.94			
1.4	16QAM	1	3	20.87	20.82	20.79			
1.4	16QAM	1	5	20.75	20.82	20.89			
1.4	16QAM	3	0	20.83	20.90	20.79	21.7	0	
1.4	16QAM	3	1	20.89	20.83	20.87			
1.4	16QAM	3	3	20.76	20.79	20.81			
1.4	16QAM	6	0	20.96	20.94	20.93	21.7	0	
1.4	16QAM	1	0	20.84	20.93	20.95			
1.4	16QAM	1	3	20.78	20.91	20.83			
1.4	16QAM	1	5	20.88	20.91	20.83	21.7	0	
1.4	16QAM	3	0	20.88	20.92	20.84			
1.4	16QAM	3	1	20.92	20.88	20.82			
1.4	16QAM	3	3	20.70	20.84	20.88			
1.4	16QAM	6	0	20.99	20.87	20.80	21.7	0	
1.4	256QAM	1	0	19.97	20.06	19.97			
1.4	256QAM	1	3	20.04	20.03	19.90			
1.4	256QAM	1	5	19.86	19.88	19.85	20.7	1	
1.4	256QAM	3	0	19.89	20.04	19.87			
1.4	256QAM	3	1	19.95	19.93	19.86			
1.4	256QAM	3	3	19.88	19.87	19.80			
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1	

Band 12 Ant1 DS13									
BW [MHz]	Modulat on	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)									
				704	707.5	711			
10	QPSK	1	0	25.35	25.41	25.28			
10	QPSK	1	25	25.22	25.37	25.15	25.7	0	
10	QPSK	1	49	25.25	25.35	25.19			
10	QPSK	25	0	24.32	24.45	24.29			
10	QPSK	25	12	24.23	24.39	24.20	24.7	1	
10	QPSK	25	25	24.25	24.38	24.19			
10	QPSK	50	0	24.32	24.42	24.32			
10	16QAM	1	0	24.32	24.40	24.25			
10	16QAM	1	25	24.17	24.42	24.12	24.7	1	
10	16QAM	1	49	24.24	24.34	24.22			
10	16QAM	25	0	23.27	23.42	23.32			
10	16QAM	25	12	23.26	23.39	23.14			
10	16QAM	25	25	23.21	23.35	23.25	23.7	2	
10	16QAM	50	0	23.32	23.41	23.30			
10	16QAM	1	0	23.36	23.45	23.19			
10	16QAM	1	25	23.18	23.38	23.06	23.7	2	
10	16QAM	1	49	23.22	23.37	23.18			
10	16QAM	25	0	22.35	22.45	22.32			
10	16QAM	25	12	22.18	22.40	22.26	22.7	3	
10	16QAM	25	25	22.33	22.38	22.24			
10	256QAM	1	0	20.35	20.46	20.25			
10	256QAM	1	25	20.28	20.45	20.17	20.7	5	
10	256QAM	1	49	20.29	20.40	20.17			
10	256QAM	25	0	20.33	20.43	20.36			
10	256QAM	25	12	20.26	20.45	20.27			
10	256QAM	25	25	20.21	20.40	20.08	20.7	5	
10	256QAM	50	0	20.21	20.36	20.20			
Channel									
Frequency (MHz)									
				701.5	707.5	715.5			
5	QPSK	1	0	25.29	25.32	25.18			
5	QPSK	1	12	25.13	25.31	25.06	25.7	0	
5	QPSK	1	24	25.11	25.28	25.14			
5	QPSK	12	0	24.28	24.42	24.16			
5	QPSK	12	12	24.24	24.39	24.10	24.7	1	
5	QPSK	12	13	24.13	24.34	24.15			
5	QPSK	25	0	24.21	24.35	24.21			
5	16QAM	1	0	24.19	24.35	24.24			
5	16QAM	1	12	24.05	24.35	24.06	24.7	1	
5	16QAM	1	24	24.15	24.31	24.14			
5	16QAM	12	0	23.12	23.34	23.24			
5	16QAM	12	7	23.22	23.35	23.03	23.7	2	
5	16QAM	12	13	23.13	23.23	23.20			
5	16QAM	25	0	23.26	23.34	23.25			
5	16QAM	1	0	23.32	23.34	23.15	23.7	2	
5	16QAM	1	12	23.13	23.33	23.03			
5	16QAM	12	0	22.25	22.36	22.23			
5	16QAM	12	7	22.12	22.29	22.14	22.7	3	
5	16QAM	12	13	22.22	22.32	22.24			
5	16QAM	25	0	22.28	22.34	22.15			
5	256QAM	1	0	20.25	20.41	20.10	20.7	5	
5	256QAM	1	12	20.17	20.37	20.06			
5	256QAM	1	24	20.26	20.29	20.08			
5	256QAM	12	0	20.19	20.37	20.32			
5	256QAM	12	7	20.24	20.38	20.19	20.7	5	
5	256QAM	12	13	20.69	20.30	20.06			
5	256QAM	25	0	20.17	20.33	20.15	20.7	5	
Channel									
Frequency (MHz)									
				700.5	707.5	714.5			
3	QPSK	1	0	25.27	25.36	25.22			
3	QPSK	1	8	25.10	25.24	25.01	25.7	0	
3	QPSK	1	14	25.18	25.21	25.17			
3	QPSK	8	0	24.25	24.33	24.21			
3	QPSK	8	7	24.24	24.29	24.10	24.7	1	
3	QPSK	8	7	24.16	24.33	24.17			
3	QPSK	15	0	24.22	24.38	24.25			
3	16QAM	1	0	24.19	24.29	24.22			
3	16QAM	1	8	24.10	24.37	24.03	24.7	1	
3	16QAM	1	14	24.16	24.28	24.24			
3	16QAM	8	0	23.27	23.29	23.25			
3	16QAM	8	7	23.19	23.35	23.20	23.7	2	
3	16QAM	8	7	23.15	23.30	23.20			
3	16QAM	15	0	23.19	23.31	23.27			
3	16QAM	1	0	23.28	23.39	23.12	23.7	2	
3	16QAM	1	8	23.17	23.35	23.06			
3	16QAM	1	14	23.18	23.33	23.11			
3	16QAM	8	0	22.24	22.35	22.23			
3	16QAM	8	4	22.14	22.28	22.18	22.7	3	
3	16QAM	8	7	22.21	22.32	22.16			
3	16QAM	15	0	22.27	22.35	22.23			
3	256QAM	1	0	20.27	20.38	20.10	20.7	5	
3	256QAM	1	8	20.19	20.35	20.15			
3	256QAM	1	14	20.27	20.29	20.10			
3	256QAM	8	0	20.20	20.36	20.28			
3	256QAM	8	4	20.15	20.43	20.25	20.7	5	
3	256QAM	8	7	20.17	20.34	20.24			
3	256QAM	15	0	20.20	20.30	20.15			
Channel									
Frequency (MHz)									
				699.7	707.5	715.3			
1.4	QPSK	1	0	25.24	25.35	25.22			
1.4	QPSK	1	3	25.12	25.31	25.07	25.7	0	
1.4	QPSK	1	5	25.12	25.32	25.12			
1.4	QPSK	3	0	25.17	25.25	25.18			
1.4	QPSK	3	3	25.05	25.23	25.05			
1.4	QPSK	3	3	24.99	25.19	25.01			
1.4	QPSK	6	0	24.20	24.32	24.28	24.7	1	
1.4	16QAM	1	0	24.28	24.29	24.21			
1.4	16QAM	1	3	24.06	24.27	24.04	24.7	1	
1.4	16QAM	1	5	24.17	24.20	24.17			
1.4	16QAM	3	0	24.07	24.24	24.18			
1.4	16QAM	3	1	24.18	24.24	24.07			
1.4	16QAM	3	3	24.04	24.33	23.92	23.7	2	
1.4	16QAM	6	0	23.26	23.30	23.20			
1.4	16QAM	3	0	23.32	23.32	23.15	23.7	2	
1.4	16QAM	3	3	23.08	23.32	22.99			
1.4	16QAM	1	5	23.19	23.33	23.04			
1.4	16QAM	3	0	23.16	23.23	23.08			
1.4	16QAM	3	1	23.28	23.19	22.94	22.7	3	
1.4	16QAM	3	3	23.86	23.25	22.91			
1.4	256QAM	1	0	20.23	20.31	20.21	20.7	5	
1.4	256QAM	1	3	20.15	20.42	20.19			
1.4	256QAM	1	5	20.23	20.35	20.20			
1.4	256QAM	3	0	20.25	20.37	20.32			
1.4	256QAM	3	1	20.19	20.38	20.18	20.7	5	
1.4	256QAM	3	3	20.11	20.38	19.97			
1.4	256QAM	6	0	20.12	20.32	20.11	20.7	5	

Band 17 Ant1 DSI3									
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel 23750 23760 23800									
Frequency (MHz) 709 710 711									
10	QPSK 1	0	25.26	25.30	25.24				
10	QPSK 1	25	25.20	25.23	25.18		25.7	0	
10	QPSK 1	49	25.15	25.20	25.15				
10	QPSK 25	0	24.23	24.35	24.25				
10	QPSK 25	12	24.24	24.27	24.22				
10	QPSK 25	25	24.19	24.25	24.21		24.7	1	
10	QPSK 50	0	24.24	24.31	24.29				
10	16QAM 1	0	24.22	24.30	24.26				
10	16QAM 1	25	24.22	24.26	24.19				
10	16QAM 1	49	24.13	24.17	24.15		24.7	1	
10	16QAM 25	0	23.21	23.33	23.22				
10	16QAM 25	12	23.21	23.33	23.21				
10	16QAM 25	25	23.24	23.24	23.19		23.7	2	
10	16QAM 50	0	23.27	23.26	23.25				
10	16QAM 50	0	23.28	23.31	23.29				
10	16QAM 1	25	23.17	23.25	23.18		23.7	2	
10	16QAM 1	49	23.16	23.18	23.18				
10	16QAM 25	0	22.23	22.35	22.29				
10	16QAM 25	12	22.21	22.28	22.21		22.7	3	
10	16QAM 25	25	22.20	22.29	22.24				
10	16QAM 50	0	22.19	22.35	22.30				
10	256QAM 1	0	20.20	20.31	20.29				
10	256QAM 1	25	20.20	20.24	20.23		20.7	5	
10	256QAM 1	49	20.18	20.27	20.22				
10	256QAM 25	0	20.27	20.30	20.27				
10	256QAM 25	12	20.26	20.27	20.27				
10	256QAM 25	25	20.19	20.27	20.13		20.7	5	
10	256QAM 50	0	20.15	20.20	20.11				
Channel 23755 23790 23825									
Frequency (MHz) 706.5 710 713.5									
5	QPSK 1	0	25.20	25.19	25.11				
5	QPSK 1	12	25.12	25.17	25.10		25.7	0	
5	QPSK 1	24	25.12	25.11	25.06				
5	QPSK 12	0	24.21	24.33	24.13				
5	QPSK 12	7	24.20	24.16	24.13				
5	QPSK 12	13	24.12	24.17	24.08		24.7	1	
5	QPSK 25	0	24.11	24.23	24.24				
5	16QAM 1	0	24.10	24.19	24.19				
5	16QAM 1	12	24.18	24.19	24.06		24.7	1	
5	16QAM 1	24	24.07	24.04	24.06				
5	16QAM 12	0	23.12	23.24	23.13				
5	16QAM 12	7	23.13	23.31	23.08		23.7	2	
5	16QAM 12	13	23.16	23.14	23.06				
5	16QAM 25	0	23.24	23.20	23.16				
5	16QAM 1	0	23.17	23.24	23.17				
5	16QAM 1	12	23.05	23.21	23.09		23.7	2	
5	16QAM 1	24	23.09	23.07	23.04				
5	16QAM 12	0	22.12	22.26	22.17				
5	16QAM 12	7	22.17	22.21	22.08		22.7	3	
5	16QAM 12	13	22.11	22.20	22.16				
5	16QAM 25	0	22.13	22.24	22.27				
5	256QAM 1	0	20.13	20.26	20.22				
5	256QAM 1	12	20.08	20.17	20.11		20.7	5	
5	256QAM 1	24	20.06	20.19	20.20				
5	256QAM 12	0	20.14	20.25	20.25				
5	256QAM 12	7	20.18	20.16	20.19		20.7	5	
5	256QAM 12	13	20.10	20.16	20.03				
5	256QAM 25	0	20.04	20.07	20.05				

Band 26 Ant1 DSI3									
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel 811.5 831.5 841.5									
Frequency (MHz) 22.52 22.58 22.48									
15	QPSK 1	0	22.52	22.58	22.48				
15	QPSK 1	37	22.50	22.54	22.53		22.7	0	
15	QPSK 1	74	22.51	22.61	22.49				
15	QPSK 36	0	22.59	22.65	22.48				
15	QPSK 36	20	22.52	22.60	22.50				
15	QPSK 36	39	22.56	22.61	22.45		22.7	0	
15	QPSK 75	0	22.50	22.58	22.48				
15	16QAM 1	0	22.52	22.57	22.56				
15	16QAM 1	37	22.53	22.56	22.51		22.7	0	
15	16QAM 1	74	22.52	22.56	22.56				
15	16QAM 36	0	22.58	22.64	22.54				
15	16QAM 36	20	22.57	22.63	22.55				
15	16QAM 36	39	22.50	22.62	22.50		22.7	0	
15	16QAM 75	0	22.47	22.60	22.44				
15	16QAM 1	0	22.57	22.63	22.54				
15	16QAM 1	37	22.55	22.56	22.45		22.7	0	
15	16QAM 1	74	22.57	22.54	22.48				
15	16QAM 36	0	22.58	22.60	22.48				
15	16QAM 36	20	22.51	22.64	22.46		22.7	0	
15	16QAM 36	39	22.56	22.57	22.48				
15	16QAM 75	0	22.56	22.54	22.51				
15	256QAM 1	0	20.57	20.55	20.47				
15	256QAM 1	37	20.51	20.53	20.54		20.7	2	
15	256QAM 1	74	20.55	20.56	20.44				
15	256QAM 36	0	20.48	20.62	20.54				
15	256QAM 36	20	20.59	20.61	20.49				
15	256QAM 36	39	20.58	20.60	20.55		20.7	2	
15	256QAM 75	0	20.48	20.62	20.51				
Channel 26740 26865 26960									
Frequency (MHz) 819 831.5 844									
10	QPSK 1	0	22.42	22.38	22.39				
10	QPSK 1	25	22.39	22.39	22.49		22.7	0	
10	QPSK 1	49	22.37	22.51	22.44				
10	QPSK 25	0	22.48	22.53	22.41				
10	QPSK 25	12	22.41	22.49	22.37		22.7	0	
10	QPSK 25	25	22.44	22.47	22.30				
10	QPSK 50	0	22.53	22.51	22.39				
10	16QAM 1	0	22.41	22.50	22.52				
10	16QAM 1	25	22.41	22.43	22.40		22.7	0	
10	16QAM 1	49	22.44	22.48	22.42				
10	16QAM 25	0	22.48	22.56	22.39				
10	16QAM 25	12	22.50	22.49	22.42		22.7	0	
10	16QAM 25	25	22.38	22.51	22.41				
10	16QAM 50	0	22.36	22.49	22.38				
10	16QAM 1	0	22.43	22.43	22.32				
10	16QAM 1	25	22.42	22.50	22.39				
10	16QAM 25	12	22.45	22.53	22.46		22.7	0	
10	16QAM 25	25	22.45	22.51	22.41				
10	16QAM 50	0	22.42	22.45	22.42				
10	256QAM 1	0	20.51	20.42	20.37				
10	256QAM 1	25	20.44	20.45	20.47		20.7	2	
10	256QAM 1	49	20.53	20.43	20.37				
10	256QAM 25	0	20.36	20.49	20.50				
10	256QAM 25	12	20.54	20.56	20.39		20.7	2	
10	256QAM 25	25	20.51	20.54	20.39				
10	256QAM 50	0	20.37	20.53	20.40				
Channel 26765 26865 27025									
Frequency (MHz) 816.5 831.5 846.5									
5	QPSK 1	0	22.38	22.44	22.41				
5	QPSK 1	12	22.43	22.45	22.38		22.7	0	
5	QPSK 1	24	22.41	22.47	22.44				
5	QPSK 12	0	22.45	22.54	22.33				
5	QPSK 12	7	22.46	22.49	22.45		22.7	0	
5	QPSK 12	13	22.41	22.51	22.40				
5	QPSK 25	0	22.47	22.45	22.43				
5	16QAM 1	0	22.42	22.45	22.44				
5	16QAM 1	12	22.38	22.43	22.42		22.7	0	
5	16QAM 1	24	22.38	22.41	22.45				
5	16QAM 12	0	22.46	22.58	22.42				
5	16QAM 12	7	22.50	22.52	22.46		22.7	0	
5	16QAM 12	13	22.40	22.50	22.46				
5	16QAM 25	0	22.37	22.54	22.38				
5	16QAM 1	0	22.42	22.51	22.44				
5	16QAM 1	12	22.46	22.43	22.36		22.7	0	
5	16QAM 1	24	22.46	22.43	22.37				
5	16QAM 12	0	22.51	22.50	22.44				
5	16QAM 12	7	22.45	22.60	22.33		22.7	0	
5	16QAM 12	13	22.42	22.45	22.42				
5	16QAM 25	0	22.42	22.49	22.46				
5	256QAM 1	0	20.47	20.47	20.32		20.7	2	
5	256QAM 1	12	20.40	20.40	20.46				
5	256QAM 1	24	20.40	20.43	20.37				
5	256QAM 12	0	20.38	20.57	20.49				
5	256QAM 12	7	20.55	20.51	20.44		20.7	2	
5	256QAM 12	13	20.50	20.49	20.46				
5	256QAM 25	0	20.42	20.57	20.45				
Channel 26870 26965 27033									
Frequency (MHz) 814.7 831.5 848.3									
1.4	QPSK 1	0	22.42	22.39	22.39				
1.4	QPSK 1	3	22.39	22.45	22.39		22.7	0	
1.4	QPSK 1	5	22.45	22.48	22.41				
1.4	QPSK 3	0	22.53	22.43	22.48				
1.4	QPSK 3	1	22.48	22.48	22.45				
1.4	QPSK 3	3	22.40	22.49	22.30				
1.4	QPSK 6	0	22.43	22.52	22.42		22.7	0	
1.4	16QAM 1	0	22.40	22.45	22.46				
1.4	16QAM 1	3	22.37	22.43	22.43				
1.4	16QAM 3	0	22.46	22.53	22.44		22.7	0	
1.4	16QAM 3	0	22.50	22.53	22.47				
1.4	16QAM 3	1	22.43	22.53	22.49				
1.4	16QAM 3	3	22.44	22.47	22.38				
1.4	16QAM 6	0	22.47	22.53	22.39				
1.4	16QAM 6	0	22.46	22.50	22.39		22.7	0	
1.4	16QAM 6	1	22.47	22.47	22.30				
1.4	16QAM 1	5	22.48	22.41	22.43		22.7	0	
1.4	16QAM 3	1	22.38	22.54	22.32				
1.4	16QAM 3	3	22.36	22.47	22.43				
1.4	16QAM 3	3	22.44	22.47	22.39		22.7	0	
1.4	256QAM 1	0	20.42	20.44	20.36				
1.4	256QAM 1	3	20.40	20.49	20.45				
1.4	256QAM 1	5	20.47	20.46	20.35		20.7	2	
1.4	256QAM 3	0	20.37	20.46	20.45				
1.4	256QAM 3	3	20.48	20.45	20.37				
1.4	256QAM 3	3	20.48	20.45	20.37				
1.4	256QAM 6	0	20.41	20.57	20.41		20.7	2	

GSM1900 Ant5 DS3									
GSM1900		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1600.2	1600	1600.8		1600.2	1600	1600.8	
GSM 1 Tx slot		23.63	23.84	23.73	31.00	20.65	20.84	20.79	22.00
GPRS 1 Tx slot		20.68	20.01	20.13	31.00	20.68	21.01	21.13	22.00
GPRS 2 Tx slot		26.32	26.73	26.75	28.00	20.32	20.73	20.75	22.00
GPRS 3 Tx slot		25.44	25.72	25.34	26.20	21.18	21.46	21.08	21.94
GPRS 4 Tx slot		23.40	23.50	23.65	25.00	20.40	20.90	20.65	22.00
EDGE 1 Tx slot		25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slot		22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slot		21.55	21.54	21.54	22.20	17.25	17.25	17.25	17.94
EDGE 4 Tx slot		19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00
WCDMA II Ant5 DS3									
Band		WCDMA II			Time-up Limit (dBm)	WCDMA IV			Time-up Limit (dBm)
TX Channel		9262	9409	9538		1312	1413	1513	
Rx Channel		9682	9800	9938		1337	1638	1738	
Frequency (MHz)		1824.6	1840	1857.6		1724.6	1724.6	1824.6	
3GPP Rel 99 AMR 12.2Kbps		22.66	22.69	22.54	23.50	22.04	22.07	21.93	23.00
3GPP Rel 99 RMC 12.2Kbps		22.66	22.70	22.65	23.50	22.08	22.10	22.05	23.00
3GPP Rel 6 HSOPA Subtest-1		21.70	21.65	21.66	22.50	21.70	21.07	20.99	22.00
3GPP Rel 6 HSOPA Subtest-2		21.63	21.69	21.66	22.50	21.75	21.05	21.07	22.00
3GPP Rel 6 HSOPA Subtest-3		21.11	21.25	21.16	22.00	20.62	20.61	20.53	21.50
3GPP Rel 6 HSOPA Subtest-4		21.14	21.22	21.11	22.00	20.58	20.65	20.60	21.50
3GPP Rel 8 DC-HSOPA Subtest-1		21.62	21.69	21.62	22.50	21.13	21.09	21.07	22.00
3GPP Rel 8 DC-HSOPA Subtest-2		21.66	21.74	21.60	22.50	21.10	21.15	21.00	22.00
3GPP Rel 8 DC-HSOPA Subtest-3		21.22	21.26	21.15	22.00	20.62	20.61	20.50	21.50
3GPP Rel 8 DC-HSOPA Subtest-4		21.10	21.19	21.16	22.00	20.63	20.63	20.55	21.50
3GPP Rel 6 HSUPA Subtest-1		21.69	21.68	21.67	22.50	21.07	21.13	21.04	22.00
3GPP Rel 6 HSUPA Subtest-2		19.60	19.74	19.65	20.50	19.07	19.08	19.00	20.00
3GPP Rel 6 HSUPA Subtest-3		20.61	20.74	20.62	21.50	20.15	20.12	20.10	21.00
3GPP Rel 6 HSUPA Subtest-4		19.67	19.73	19.60	20.50	19.13	19.12	19.00	20.00
3GPP Rel 6 HSUPA Subtest-5		21.64	21.67	21.65	22.50	21.03	21.09	21.02	22.00
3GPP Rel 7 HSFA+ (16QAM) Subtest-1		19.16	19.21	19.12	20.00	18.53	18.55	18.58	19.50

Band 2 Ant5 DS13												Band 4 Ant5 DS13												Band 7 Ant5 DS13												Band 25 Ant5 DS13												Band 66 Ant5 DS13											
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)	Time-to-Set (sec)
Channel												Channel												Channel												Channel												Channel											
Frequency (MHz)												Frequency (MHz)												Frequency (MHz)												Frequency (MHz)												Frequency (MHz)											
20	QPSK	1	0	22.58	22.54	22.52	22.50	23.5	0	20	QPSK	1	0	21.96	21.92	21.91	21.89	22.7	0	20	QPSK	1	0	21.92	21.88	21.87	21.85	20	QPSK	1	0	23.06	23.02	23.01	23.00	24	0	20	QPSK	1	0	22.63	22.59	22.58	22.57	23.2	0	20	QPSK	1	0	22.63	22.59	22.58	22.57	23.2	0		
20	QPSK	1	96	22.48	22.44	22.42	22.40	23.5	0	20	QPSK	1	96	21.86	21.82	21.81	21.79	22.7	0	20	QPSK	1	96	21.82	21.78	21.77	21.75	20	QPSK	1	96	23.00	22.96	22.95	22.94	24	0	20	QPSK	1	96	22.93	22.89	22.88	22.87	23.2	0	20	QPSK	1	96	22.93	22.89	22.88	22.87	23.2	0		
20	QPSK	1	192	22.38	22.34	22.32	22.30	23.5	0	20	QPSK	1	192	21.76	21.72	21.71	21.69	22.7	0	20	QPSK	1	192	21.72	21.68	21.67	21.65	20	QPSK	1	192	22.90	22.86	22.85	22.84	24	0	20	QPSK	1	192	22.81	22.77	22.76	22.75	23.2	0	20	QPSK	1	192	22.81	22.77	22.76	22.75	23.2	0		
20	QPSK	1	288	22.28	22.24	22.22	22.20	23.5	0	20	QPSK	1	288	21.66	21.62	21.61	21.59	22.7	0	20	QPSK	1	288	21.62	21.58	21.57	21.55	20	QPSK	1	288	22.80	22.76	22.75	22.74	24	0	20	QPSK	1	288	22.71	22.67	22.66	22.65	23.2	0	20	QPSK	1	288	22.71	22.67	22.66	22.65	23.2	0		
20	QPSK	1	384	22.18	22.14	22.12	22.10	23.5	0	20	QPSK	1	384	21.56	21.52	21.51	21.49	22.7	0	20	QPSK	1	384	21.52	21.48	21.47	21.45	20	QPSK	1	384	22.70	22.66	22.65	22.64	24	0	20	QPSK	1	384	22.61	22.57	22.56	22.55	23.2	0	20	QPSK	1	384	22.61	22.57	22.56	22.55	23.2	0		
20	QPSK	1	480	22.08	22.04	22.02	22.00	23.5	0	20	QPSK	1	480	21.46	21.42	21.41	21.39	22.7	0	20	QPSK	1	480	21.42	21.38	21.37	21.35	20	QPSK	1	480	22.60	22.56	22.55	22.54	24	0	20	QPSK	1	480	22.51	22.47	22.46	22.45	23.2	0	20	QPSK	1	480	22.51	22.47	22.46	22.45	23.2	0		
20	QPSK	1	576	21.98	21.94	21.92	21.90	23.5	0	20	QPSK	1	576	21.36	21.32	21.31	21.29	22.7	0	20	QPSK	1	576	21.32	21.28	21.27	21.25	20	QPSK	1	576	22.50	22.46	22.45	22.44	24	0	20	QPSK	1	576	22.41	22.37	22.36	22.35	23.2	0	20	QPSK	1	576	22.41	22.37	22.36	22.35	23.2	0		
20	QPSK	1	672	21.88	21.84	21.82	21.80	23.5	0	20	QPSK	1	672	21.26	21.22	21.21	21.19	22.7	0	20	QPSK	1	672	21.22	21.18	21.17	21.15	20	QPSK	1	672	22.40	22.36	22.35	22.34	24	0	20	QPSK	1	672	22.31	22.27	22.26	22.25	23.2	0	20	QPSK	1	672	22.31	22.27	22.26	22.25	23.2	0		
20	QPSK	1	768	21.78	21.74	21.72	21.70	23.5	0	20	QPSK	1	768	21.16	21.12	21.11	21.09	22.7	0	20	QPSK	1	768	21.12	21.08	21.07	21.05	20	QPSK	1	768	22.30	22.26	22.25	22.24	24	0	20	QPSK	1	768	22.21	22.17	22.16	22.15	23.2	0	20	QPSK	1	768	22.21	22.17	22.16	22.15	23.2	0		
20	QPSK	1	864	21.68	21.64	21.62	21.60	23.5	0	20	QPSK	1	864	21.06	21.02	21.01	20.99	22.7	0	20	QPSK	1	864	21.02	20.98	20.97	20.95	20	QPSK	1	864	22.20	22.16	22.15	22.14	24	0	20	QPSK	1	864	22.11	22.07	22.06	22.05	23.2	0	20	QPSK	1	864	22.11	22.07	22.06	22.05	23.2	0		
20	QPSK	1	960	21.58	21.54	21.52	21.50	23.5	0	20	QPSK	1	960	20.96	20.92	20.91	20.89	22.7	0	20	QPSK	1	960	20.92	20.88	20.87	20.85	20	QPSK	1	960	22.10	22.06	22.05	22.04	24	0	20	QPSK	1	960	22.01	21.97	21.96	21.95	23.2	0	20	QPSK	1	960	22.01	21.97	21.96	21.95	23.2	0		
20	QPSK	1	1056	21.48	21.44	21.42	21.40	23.5	0	20	QPSK	1	1056	20.86	20.82	20.81	20.79	22.7	0	20	QPSK	1	1056	20.82	20.78	20.77	20.75	20	QPSK	1	1056	22.00	21.96	21.95	21.94	24	0	20	QPSK	1	1056	21.91	21.87	21.86	21.85	23.2	0	20	QPSK	1	1056	21.91	21.87	21.86	21.85	23.2	0		
20	QPSK	1	1152	21.38	21.34	21.32	21.30	23.5	0	20	QPSK	1	1152	20.76	20.72	20.71	20.69	22.7	0	20	QPSK	1	1152	20.72	20.68	20.67	20.65	20	QPSK	1	1152	21.90	21.86	21.85	21.84	24	0	20	QPSK	1	1152	21.81	21.77	21.76	21.75	23.2	0	20	QPSK	1	1152	21.81	21.77	21.76	21.75	23.2	0		
20	QPSK	1	1248	21.28	21.24	21.22	21.20	23.5	0	20	QPSK	1	1248	20.66	20.62	20.61	20.59	22.7	0	20	QPSK	1	1248	20.62	20.58	20.57	20.55	20	QPSK	1	1248	21.80	21.76	21.75	21.74	24	0	20	QPSK	1	1248	21.71	21.67	21.66	21.65	23.2	0	20	QPSK	1	1248	21.71	21.67	21.66	21.65	23.2	0		
20	QPSK	1	1344	21.18	21.14	21.12	21.10	23.5	0	20	QPSK	1	1344	20.56	20.52	20.51	20.49	22.7	0	20	QPSK	1	1344	20.52	20.48	20.47	20.45	20	QPSK	1	1344	21.70	21.66	21.65	21.64	24	0	20	QPSK	1	1344	21.61	21.57	21.56	21.55	23.2	0	20	QPSK	1	1344	21.61	21.57	21.56	21.55	23.2	0		
20	QPSK	1	1440	21.08	21.04	21.02	21.00	23.5	0	20	QPSK	1	1440	20.46	20.42	20.41	20.39	22.7	0	20	QPSK	1	1440	20.42	20.38	20.37	20.35	20	QPSK	1	1440	21.60	21.56	21.55	21.54	24	0	20	QPSK	1	1440	21.51	21.47	21.46	21.45	23.2	0	20	QPSK	1	1440	21.51	21.47	21.46	21.45	23.2	0		
20	QPSK	1	1536	20.98	20.94	20.92	20.90	23.5	0	20	QPSK	1	1536	20.36	20.32	20.31	20.29	22.7	0	20	QPSK	1	1536	20.32	20.28	20.27	20.25	20	QPSK	1	1536	21.50	21.46	21.45	21.44	24	0	20	QPSK	1	1536	21.41	21.37	21.36	21.35	23.2	0	20	QPSK	1	1536	21.41	21.37	21.36	21.35	23.2	0		
20	QPSK	1	1632	20.88	20.84	20.82	20.80	23.5	0	20	QPSK	1	1632	20.26	20.22	20.21	20.19	22.7	0	20	QPSK	1	1632	20.22	20.18	20.17	20.15	20	QPSK	1	1632	21.40	21.36	21.35	21.34	24	0	20	QPSK	1	1632	21.31	21.27	21.26	21.25	23.2	0	20	QPSK	1	1632	21.31	21.27	21.26	21.25	23.2	0		
20	QPSK	1	1728	20.78	20.74	20.72	20.70	23.5	0	20	QPSK	1	1728	20.16	20.12	20.11	20.09	22.7	0	20	QPSK	1	1728	20.12	20.08	20.07	20.05	20	QPSK	1	1728	21.30	21.26	21.25	21.24	24	0	20	QPSK	1	1728	21.21	21.17	21.16	21.15	23.2	0	20	QPSK	1	1728	21.21	21.17	21.16	21.15	23.2	0		
20	QPSK	1	1824	20.68	20.64	20.62	20.60	23.5	0	20	QPSK	1	1824	20.06	20.02	20.01	19.99	22.7	0	20	QPSK	1	1824	20.02	19.98	19.97	19.95	20	QPSK	1	1824	21.20	21.16	21.15	21.14	24	0	20	QPSK	1	1824	21.11	21.07	21.06	21.05	23.2	0	20	QPSK	1	1824	21.11	21.07	21.06	21.05	23.2	0		
20	QPSK	1	1920	20.58	20.54	20.52	20.50	23.5	0	20	QPSK	1	1920	19.96	19.92	19.91	19.8.																																										

Band 38 Ant5 DS13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Low High Ch / Freq	Power High Middle Ch / Freq	Power High High Ch / Freq	Tune-up freq (MHz)	MPR (dB)
Channel Frequency (MHz)										
20	QPSK	1	0	23.21	23.25	23.14				
20	QPSK	1	49	23.19	23.21	23.13			23.7	0
20	QPSK	1	99	23.17	23.19	23.17				
20	QPSK	50	0	23.15	23.13	23.13				
20	QPSK	50	24	23.17	23.21	23.19			23.7	0
20	QPSK	50	50	23.19	23.20	23.12				
20	QPSK	100	0	23.15	23.16	23.17				
20	QPSK	100	0	23.18	23.24	23.14				
20	16QAM	1	49	23.18	23.23	23.14			23.7	0
20	16QAM	1	99	23.19	23.22	23.17				
20	16QAM	50	0	23.19	23.24	23.17				
20	16QAM	50	24	23.15	23.22	23.16			23.7	0
20	16QAM	50	50	23.15	23.21	23.18				
20	16QAM	100	0	23.19	23.22	23.13				
20	64QAM	1	0	23.15	23.16	23.14			23.7	0
20	64QAM	1	49	23.18	23.21	23.17				
20	64QAM	1	99	23.19	23.23	23.14				
20	64QAM	50	0	22.19	22.25	22.12				
20	64QAM	50	24	22.22	22.24	22.14			22.7	1
20	64QAM	50	50	22.18	22.24	22.15				
20	64QAM	100	0	22.21	22.23	22.15				
20	256QAM	1	0	20.20	20.22	20.12			20.7	3
20	256QAM	1	49	20.20	20.23	20.13				
20	256QAM	1	99	20.18	20.25	20.15				
20	256QAM	50	0	20.20	20.24	20.17				
20	256QAM	50	24	20.23	20.25	20.17			20.7	3
20	256QAM	50	50	20.23	20.23	20.13				
20	256QAM	100	0	20.20	20.20	20.16				
Channel Frequency (MHz)										
15	QPSK	1	0	23.11	23.11	23.03				
15	QPSK	1	37	23.08	23.12	23.02			23.7	0
15	QPSK	1	74	23.06	23.07	23.09				
15	QPSK	36	20	23.05	23.14	23.06				
15	QPSK	36	39	23.08	23.12	23.08			23.7	0
15	QPSK	75	0	23.05	23.07	23.05				
15	16QAM	1	49	23.08	23.11	23.03				
15	16QAM	1	37	23.09	23.13	23.03			23.7	0
15	16QAM	1	74	23.07	23.09	23.07				
15	16QAM	36	0	23.07	23.13	23.06				
15	16QAM	36	39	23.08	23.12	23.09			23.7	0
15	16QAM	75	0	23.08	23.11	23.05				
15	64QAM	1	74	23.06	23.15	23.03			23.7	0
15	64QAM	36	0	22.08	22.16	21.99				
15	64QAM	36	20	22.12	22.08	22.06			22.7	1
15	64QAM	36	20	22.05	22.14	22.09				
15	64QAM	75	0	22.08	22.15	22.04				
15	256QAM	1	0	20.08	20.11	20.00			20.7	3
15	256QAM	1	49	20.10	20.13	20.03				
15	256QAM	1	74	20.11	20.18	20.07				
15	256QAM	36	0	20.13	20.12	20.07				
15	256QAM	36	20	20.12	20.12	20.00			20.7	3
15	256QAM	36	20	20.13	20.13	20.00				
15	256QAM	75	0	20.08	20.13	20.07				
Channel Frequency (MHz)										
5	QPSK	1	0	23.11	23.16	23.05				
5	QPSK	1	25	23.11	23.12	23.05			23.7	0
5	QPSK	1	49	23.05	23.11	23.05				
5	QPSK	25	0	23.03	23.07	23.02				
5	QPSK	25	12	23.07	23.16	23.05			23.7	0
5	QPSK	25	25	23.10	23.14	23.01				
5	QPSK	50	0	23.07	23.12	23.03				
5	QPSK	50	0	23.08	23.14	23.01			23.7	0
5	16QAM	1	25	23.05	23.16	23.05				
5	16QAM	1	49	23.10	23.12	23.03				
5	16QAM	25	0	23.07	23.15	23.07				
5	16QAM	25	12	23.05	23.13	23.09			23.7	0
5	16QAM	50	0	23.12	23.12	23.00				
5	64QAM	1	0	23.08	23.08	23.04			23.7	0
5	64QAM	1	49	23.10	23.14	23.05				
5	64QAM	25	0	22.11	22.15	22.03			22.7	1
5	64QAM	25	12	22.12	22.12	22.07				
5	64QAM	50	0	22.11	22.12	22.07				
5	256QAM	1	0	20.09	20.10	19.99			20.7	3
5	256QAM	1	25	20.10	20.12	20.04				
5	256QAM	1	49	20.10	20.13	20.05				
5	256QAM	25	0	20.09	20.11	20.08				
5	256QAM	25	12	20.16	20.14	19.99			20.7	3
5	256QAM	25	25	20.13	20.16	20.06				
5	256QAM	50	0	20.09	20.10	20.08				
Channel Frequency (MHz)										
5	QPSK	1	0	23.09	23.14	23.03				
5	QPSK	12	7	23.10	23.11	23.08				
5	QPSK	12	13	23.05	23.13	23.09			23.7	0
5	QPSK	25	0	23.06	23.10	23.10				
5	16QAM	1	0	23.08	23.16	23.03			23.7	0
5	16QAM	1	12	23.06	23.16	23.08				
5	16QAM	1	24	23.07	23.13	23.09			23.7	0
5	16QAM	12	0	23.08	23.16	23.08				
5	16QAM	12	7	23.09	23.10	23.07			23.7	0
5	16QAM	12	13	23.05	23.13	23.09				
5	16QAM	25	0	23.09	23.11	23.05				
5	64QAM	1	0	23.06	23.09	23.04			23.7	0
5	64QAM	1	12	23.06	23.09	23.05				
5	64QAM	1	24	23.09	23.14	23.05				
5	64QAM	12	0	22.12	22.15	22.05			22.7	1
5	64QAM	12	7	22.10	22.16	22.06				
5	256QAM	1	0	20.12	20.15	20.03			20.7	3
5	256QAM	1	12	20.12	20.12	20.03				
5	256QAM	1	24	20.06	20.12	20.05				
5	256QAM	12	0	20.07	20.14	20.07				
5	256QAM	12	7	20.15	20.13	20.00			20.7	3
5	256QAM	12	13	20.15	20.12	20.05				
5	256QAM	25	0	20.10	20.13	20.03				

Band 41 Ant5 DS13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Low High Ch / Freq	Power High Middle Ch / Freq	Power High High Ch / Freq	Tune-up freq (MHz)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40600	41005	41490		
20	QPSK	1	0	21.86	21.85	21.93	21.83	21.77		
20	QPSK	1	49	21.78	21.72	21.79	21.70	21.77	22.2	0
20	QPSK	1	99	21.69	21.76	21.75	21.76	21.74		
20	QPSK	50	0	21.75	21.73	21.81	21.65	21.71		
20	QPSK	50	24	21.67	21.68	21.73	21.74	21.74	22.2	0
20	QPSK	50	50	21.69	21.76	21.74	21.75	21.70		
20	16QAM	1	0	21.68	21.74	21.79	21.73	21.74		
20	16QAM	1	0	21.70	21.68	21.74	21.65	21.77	22.2	0
20	16QAM	1	49	21.64	21.64	21.66	21.65	21.66		
20	16QAM	1	99	21.62	21.67	21.64	21.67	21.71		
20	16QAM	50	0	21.64	21.62	21.76	21.56	21.63		
20	16QAM	50	24	21.60	21.63	21.68	21.70	21.68	22.2	0
20	16QAM	50	50	21.62	21.72	21.65	21.63	21.62		
20	16QAM	100	0	21.57	21.70	21.76	21.69	21.68		
20	64QAM	1	0	21.67	21.73	21.73	21.64	21.77	22.2	0
20	64QAM	1	49	21.75	21.61	21.72	21.63	21.68		
20	64QAM	1	99	21.67	21.62	21.68	21.64	21.68		
20	64QAM	50	0	21.70	21.64	21.78	21.53	21.68	22.2	0
20	64QAM	50	24	21.58	21.62	21.62	21.72	21.60		
20	64QAM	50	50	21.55	21.69	21.64	21.62	21.64		
20	64QAM	100	0	21.59	21.61	21.68	21.64	21.69		
20	256QAM	1	0	20.37	20.31	20.33	20.27	20.35	20.7	1.5
20	256QAM	1	49	20.37	20.34	20.28	20.30	20.29		
20	256QAM	1	99	20.22	20.21	20.24	20.22	20.27		
20	256QAM	50	0	20.24	20.21	20.27	20.09	20.20		
20	256QAM	50	24	20.20	20.17	20.20	20.19	20.24	20.7	1.5
20	256QAM	50	50	20.14	20.30	20.21	20.30	20.25		
20	256QAM	100	0	20.18	20.20	20.24	20.24	20.24		
Channel										
Frequency (MHz)				39725	40140	40540	41008	41415		MPR (dB)
15	QPSK	1	0	21.68	21.77	21.76	21.68	21.74		
15	QPSK	1	37	21.72	21.63	21.74	21.59	21.70	22	0
15	QPSK	1	74	21.59	21.65	21.62	21.67	21.63		
15	QPSK	36	20	21.73	21.64	21.69	21.60	21.59		
15	QPSK	36	20	21.58	21.59	21.61	21.67	21.71	22.2	0
15	QPSK	36	36	21.66	21.69	21.64	21.65	21.56		
15	QPSK	75	0	21.64	21.61	21.66	21.69	21.66		
15	QPSK	75	0	21.68	21.69	21.64	21.54	21.53	22.2	0
15	16QAM	1	37	21.58	21.61	21.62	21.55	21.56		
15	16QAM	1	74	21.50	21.64	21.57	21.62	21.59	22.2	0
15	16QAM	36	0	21.59	21.56	21.66	21.46	21.54		
15	16QAM	36	20	21.54	21.58	21.56	21.56	21.51	22.2	0
15	16QAM	36	36	21.55	21.69	21.54	21.59	21.59		
15	16QAM	75	0	21.50	21.66	21.69	21.55	21.54		
15	16QAM	75	0	21.59	21.67	21.65	21.61	21.66	22.2	0
15	16QAM	75	0	21.58	21.59	21.59	21.59	21.58		
15	64QAM	1	74	21.54	21.58	21.65	21.55	21.59		
15	64QAM	36	0	21.61	21.54	21.70	21.42	21.56	22.2	0
15	64QAM	36	20	21.61	21.59	21.68	21.68	21.47		
15	64QAM	36	36	21.62	21.59	21.60	21.58	21.60		
15	64QAM	75	0	21.46	21.57	21.56	21.57	21.60		
15	256QAM	1	0	20.32	20.27	20.24	20.24	20.22	20.7	1.5
15	256QAM	1	49	20.32	20.26	20.24	20.16	20.13		
15	256QAM	1	74	20.11	20.12	20.17	20.14	20.16		
15	256QAM	36	0	20.15	20.07	20.21	20.03	20.15	20.7	1.5
15	256QAM	36	20	20.12	20.09	20.13	20.14	20.14		
15	256QAM	36	20	20.12	20.09	20.10	20.10	20.14	20.7	1.5
15	256QAM	75	0	20.16	20.09	20.13	20.14	20.17		
Channel										
Frequency (MHz)				39700	40180	40530	41000	41490		MPR (dB)
10	QPSK	1	0	21.77	21.75	21.83	21.65	21.72		
10	QPSK	1	25	21.69	21.67	21.72	21.59	21.68	22	0
10	QPSK	1	49	21.55	21.69	21.62	21.68	21.65		
10	QPSK	1	74	21.63	21.65	21.74	21.58	21.60	22.2	0
10	QPSK	25	12	21.64	21.56	21.61	21.64	21.70		
10	QPSK	25	25	21.63	21.69	21.66	21.72	21.62		
10	QPSK	50	0	21.65	21.62	21.68	21.66	21.62		
10	QPSK	50	25	21.61	21.63	21.67	21.61	21.63	22.2	0
10	16QAM	1	25	21.51	21.53	21.55	21.50	21.56		
10	16QAM	1	49	21.54	21.54	21.56	21.57	21.59	22.2	0
10	16QAM	1	74	21.50	21.52	21.61	21.50	21.51		
10	16QAM	25	12	21.52	21.61	21.66	21.56	21.63	22.2	0
10	16QAM	50	0	21.46	21.68	21.72	21.47	21.52		
10	16QAM	50	25	21.48	21.57	21.58	21.56	21.55	22.2	0
10	64QAM	1	25	21.68	21.57	21.60	21.50	21.55		
10	64QAM	1	49	21.65	21.56	21.66	21.41	21.55		
10	64QAM	25	0	21.62	21.56	21.74	21.45	21.60	22.2	0
10	64QAM	25	12	21.53	21.61	21.58	21.51	21.51		
10	64QAM	25	25	21.51	21.64	21.54	21.55	21.50	22.2	0
10	64QAM	50	0	21.47	21.54	21.59	21.58	21.66		
10	256QAM	1	0	20.30	20.24	20.21	20.24	20.26	20.7	1.5
10	256QAM	1	25	20.15	20.15	20.22	20.12	20.13		
10	256QAM	1	49	20.16	20.12	20.20	20.12	20.24		
10	256QAM	25	0	20.14	20.15	20.17	20.09	20.08	20.7	1.5
10	256QAM	25	12	20.08	20.12	20.16	20.10	20.12		
10	256QAM	25	25	20.12	20.12	20.16	20.16	20.18	20.7	1.5
10	256QAM	50	0	20.07	20.17	20.16	20.21	20.21		
Channel										
Frequency (MHz)				39675	40146	40520	41003	41495		MPR (dB)
5	QPSK	1	0	21.78	21.71	21.74	21.69	21.77		
5	QPSK	1	12	21.69	21.67	21.75	21.60	21.72	22	0
5	QPSK	1	24	21.62	21.69	21.69	21.61	21.72		
5	QPSK	12	7	21.71	21.66	21.74	21.57	21.73	22.2	0
5	QPSK	12	17	21.58	21.60	21.65	21.72	21.63		
5	QPSK	12	13	21.61	21.74	21.68	21.68	21.64		
5	QPSK	12	25	21.52	21.62	21.71	21.59	21.61	22.2	0
5	16QAM	1	0	21.59	21.58	21.64	21.61	21.67		
5	16QAM	1	12	21.58	21.54	21.53	21.53	21.60		
5	16QAM	1	24	21.55	21.61	21.50	21.59	21.66	22.2	0
5	16QAM	12	7	21.68	21.67	21.71	21.57	21.71		
5	16QAM	12	17	21.57	21.58	21.58	21.63	21.60		
5	16QAM	12	13	21.59	21.69	21.61	21.49	21.57	22.2	0
5	16QAM	25	0	21.53	21.56	21.66	21.64	21.55		
5	16QAM	25	12	21.59	21.65	21.58	21.51	21.71		
5	64QAM	1	12	21.72	21.51	21.69	21.52	21.64	22.2	0
5	64QAM	1	24	21.60	21.48	21.62	21.52	21.53		
5	64QAM	12	0	21.63	21.54	21.73	21.41	21.63	22.2	0
5	64QAM	12	15	21.59	21.59	21.62	21.52	21.54		
5	64QAM	12	13	21.64	21.65	21.50	21.49	21.52		
5	64QAM	25	0	21.51	21.54	21.62	21.53	21.59	22.2	0
5	256QAM	1	0	20.29	20.16	20.24	20.25	20.25	20.7	1.5
5	256QAM	1	12	20.18	20.21	20.16	20.07	20.24		
5	256QAM	1	24	20.15	20.12	20.13	20.14	20.15		
5	256QAM	12	0	20.15	20.12	20.23	20.04	20.22	20.7	1.5
5	256QAM	12	15	20.15	20.12	20.18	20.13	20.18		
5	256QAM	12	13	20.05	20.12	20.12	20.18	20.12	20.7	1.5

GSM1900 Ant4 DS3							
GSM1900		Burst Average Power (dBm)		Time-up Limit (dBm)		Frame Average Power (dBm)	
TX Channel		512	661	810	Limit	512	661
Frequency (MHz)		1900.2	1900	1900.8	(dBm)	1900.2	1900.8
GSM 1 Tx slot		27.03	26.92	27.01	28.50	18.03	18.01
GPRS 1 Tx slot		27.11	27.00	27.08	28.50	18.11	18.00
GPRS 2 Tx slot		23.89	24.10	23.75	25.50	17.89	18.10
GPRS 3 Tx slot		22.10	22.17	21.87	23.70	17.84	17.81
GPRS 4 Tx slot		20.63	20.74	20.58	22.50	17.63	17.74
EDGE 1 Tx slot		23.26	23.23	23.27	25.20	14.26	14.23
EDGE 2 Tx slot		20.57	20.52	20.35	22.20	14.57	14.52
EDGE 3 Tx slot		18.78	18.97	18.74	20.40	14.52	14.71
EDGE 4 Tx slot		17.25	17.31	17.22	19.20	14.25	14.31
WCDMA II Ant4 DS3							
Band		WCDMA II		Time-up Limit (dBm)		WCDMA IV	
TX Channel		9262	9409	9538	Limit	1312	1413
Rx Channel		9662	9800	9938	(dBm)	1337	1638
Frequency (MHz)		1824.6	1840	1857.6		1724.6	1740.6
3GPP Rel 99	AMR 12.2Kbps	19.63	19.74	19.64	21.20	20.00	20.29
3GPP Rel 99	RMC 12.2Kbps	19.75	19.78	19.73	21.20	20.17	20.38
3GPP Rel 6	HSDPA Subtest-1	18.75	18.75	18.69	20.20	19.18	19.29
3GPP Rel 6	HSDPA Subtest-2	18.75	18.75	18.77	20.20	19.14	19.30
3GPP Rel 6	HSDPA Subtest-3	18.23	18.29	18.28	19.70	18.68	18.91
3GPP Rel 6	HSDPA Subtest-4	18.31	18.24	18.28	19.70	18.67	18.93
3GPP Rel 8	DC-HSDPA Subtest-1	18.81	18.82	18.69	20.20	19.15	19.41
3GPP Rel 8	DC-HSDPA Subtest-2	18.75	18.75	18.69	20.20	19.12	19.41
3GPP Rel 8	DC-HSDPA Subtest-3	18.28	18.23	18.20	19.70	18.68	18.90
3GPP Rel 8	DC-HSDPA Subtest-4	18.23	18.29	18.20	19.70	18.67	18.84
3GPP Rel 6	HSUPA Subtest-1	18.72	18.82	18.75	20.20	19.15	19.38
3GPP Rel 6	HSUPA Subtest-2	16.81	16.72	16.74	18.20	17.20	17.38
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.71	19.20	18.15	18.42
3GPP Rel 6	HSUPA Subtest-4	16.71	16.78	16.73	18.20	17.14	17.41
3GPP Rel 6	HSUPA Subtest-5	16.77	16.83	16.76	20.20	19.13	19.39
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.28	18.27	18.28	17.70	16.70	16.84

Band 2 Ant4 DS13										
BW (MHz)	Modulat	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.13	20.10	20.10				
20	QPSK	1	49	20.10	20.09	19.99		21.7	0	
20	QPSK	50	0	20.07	20.14	19.98				
20	QPSK	50	24	20.10	20.11	20.07				
20	QPSK	100	0	20.03	20.13	19.99		21.7	0	
20	16QAM	1	0	20.01	20.12	20.04				
20	16QAM	1	49	20.08	20.05	19.92		21.7	0	
20	16QAM	1	59	19.98	19.91	19.93				
20	16QAM	50	0	19.10	19.13	19.14				
20	16QAM	50	24	19.11	19.13	19.99		20.7	1	
20	16QAM	50	50	19.02	19.99	19.95				
20	16QAM	100	0	19.10	19.10	19.93				
20	16QAM	1	0	19.08	19.15	19.11				
20	16QAM	1	49	19.09	19.01	19.99		20.7	1	
20	16QAM	1	59	19.04	19.13	19.93				
20	16QAM	50	0	19.17	19.11	19.07				
20	16QAM	50	24	19.14	19.14	17.98		19.7	2	
20	16QAM	50	50	19.01	19.99	19.91				
20	16QAM	100	0	19.10	19.10	17.97				
20	256QAM	1	5	19.13	19.14	19.10		17.7	4	
20	256QAM	1	59	19.02	19.04	19.08				
20	256QAM	50	0	19.06	19.06	19.12				
20	256QAM	50	24	19.08	19.10	19.08				
20	256QAM	50	50	19.13	19.08	19.02		17.7	4	
20	256QAM	100	0	19.05	19.02	19.07				
Channel										
Frequency (MHz)										
18	QPSK	1	0	19.99	19.98	19.95				
18	QPSK	1	87	19.99	20.02	20.06				
18	QPSK	1	74	19.96	19.97	19.91		21.7	0	
18	QPSK	36	0	20.02	20.02	19.97				
18	QPSK	36	20	20.01	19.93	19.89		21.7	0	
18	16QAM	1	0	19.98	20.00	19.99				
18	16QAM	1	25	20.04	19.92	19.86		21.7	0	
18	16QAM	1	49	19.91	19.94	19.80				
18	16QAM	25	0	19.12	19.10	19.07				
18	16QAM	25	12	19.99	19.07	19.92		20.7	1	
18	16QAM	25	25	19.90	19.03	19.93				
18	16QAM	50	0	19.02	19.11	19.91		20.7	1	
18	16QAM	1	0	19.01	19.04	19.90				
18	16QAM	1	49	19.02	19.09	19.87				
18	16QAM	25	0	19.07	19.05	17.95				
18	16QAM	25	12	19.10	19.07	19.90				
18	16QAM	25	25	17.95	17.97	17.91		19.7	2	
18	256QAM	1	0	19.04	19.04	19.98				
18	256QAM	1	25	19.02	19.04	19.95				
18	256QAM	1	49	19.06	19.02	19.96		17.7	4	
18	256QAM	1	49	19.06	19.02	19.96				
18	256QAM	25	0	19.00	19.02	19.97				
18	256QAM	25	12	19.02	19.00	19.95		17.7	4	
18	256QAM	25	25	19.00	19.00	19.94				
18	256QAM	50	0	19.09	19.13	19.97				
18	256QAM	50	0	19.09	19.13	19.97				
Channel										
Frequency (MHz)										
16	QPSK	1	0	20.06	20.07	20.01				
5	QPSK	1	12	19.99	20.00	19.99				
5	QPSK	1	24	19.94	19.95	19.94				
5	QPSK	12	0	19.96	20.00	19.98				
5	QPSK	12	7	20.06	19.99	20.04		21.7	0	
5	QPSK	12	13	20.04	19.93	19.93				
5	QPSK	25	0	19.92	20.10	19.93				
5	16QAM	1	0	19.96	19.99	19.97		21.7	0	
5	16QAM	1	12	20.05	20.01	19.93				
5	16QAM	1	24	19.95	19.95	19.93				
5	16QAM	12	0	19.04	19.04	19.06				
5	16QAM	12	7	19.93	19.90	19.89		20.7	1	
5	16QAM	12	13	19.99	19.82	19.91				
5	16QAM	25	0	19.04	19.07	19.90				
5	16QAM	1	0	19.01	19.07	19.03		20.7	1	
5	16QAM	1	12	19.04	19.83	19.87				
5	16QAM	1	24	19.91	19.07	19.82				
5	16QAM	12	0	19.13	19.06	17.96				
5	16QAM	12	7	19.04	19.14	17.89		19.7	2	
5	16QAM	12	13	19.07	19.01	17.94				
5	16QAM	25	0	19.00	19.00	17.89				
5	256QAM	1	0	19.07	19.12	19.08				
5	256QAM	1	12	19.04	19.07	19.88		17.7	4	
5	256QAM	1	24	19.99	19.06	19.96				
5	256QAM	12	0	19.02	19.00	19.85				
5	256QAM	12	7	19.03	19.07	19.92		17.7	4	
5	256QAM	12	13	19.08	19.00	19.99				
5	256QAM	25	0	19.00	19.03	19.96				
Channel										
Frequency (MHz)										
14	QPSK	1	0	20.02	20.12	19.99				
3	QPSK	1	8	20.02	20.04	19.99		21.7	0	
3	QPSK	1	14	19.91	19.96	19.95				
3	QPSK	3	0	19.96	20.07	19.95				
3	QPSK	3	3	20.05	19.90	19.90				
3	QPSK	8	0	19.97	20.08	19.98		21.7	0	
3	16QAM	1	0	19.90	20.07	19.99				
3	16QAM	1	8	20.03	20.01	19.84				
3	16QAM	1	14	19.95	19.97	19.85		21.7	0	
3	16QAM	8	0	19.06	19.00	19.91				
3	16QAM	8	4	19.00	19.06	19.85				
3	16QAM	8	7	19.96	19.87	19.90				
3	16QAM	15	0	19.03	19.06	19.95				
3	16QAM	1	0	19.02	19.02	19.04		20.7	1	
3	16QAM	1	8	19.98	19.91	19.96				
3	16QAM	1	14	19.02	19.06	19.76				
3	16QAM	8	0	19.10	19.06	17.95		19.7	2	
3	16QAM	8	7	17.91	17.99	17.92				
3	256QAM	1	0	19.00	19.16	19.04				
3	256QAM	1	8	19.01	19.11	19.99		17.7	4	
3	256QAM	1	14	19.99	19.00	19.96				
3	256QAM	8	0	19.06	19.04	19.94				
3	256QAM	8	4	19.02	19.14	19.99		17.7	4	
3	256QAM	8	7	19.01	19.07	19.97				
3	256QAM	15	0	19.04	19.07	19.95				

Band 25 Ant4 DSI3											Band 26 Ant4 DSI3																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-on-Air (min)	APR (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-on-Air (min)	APR (dB)										
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
20	QPSK	1	0	20.18	20.23	20.26	21.8	0			20	QPSK	1	0	19.95	19.91	19.98	20	0										
20	QPSK	1	49	20.11	20.15	20.12					20	QPSK	1	49	19.88	19.85	19.87												
20	QPSK	50	0	19.69	19.76	19.69	21.3	0.5			20	QPSK	50	0	19.88	19.93	19.88	20	0										
20	QPSK	50	24	19.55	19.65	19.63					20	QPSK	50	24	19.84	19.89	19.90												
20	QPSK	100	0	19.69	19.76	19.66	21.3	0.5			20	QPSK	100	0	19.87	19.97	19.89	20	0										
20	16QAM	1	0	19.68	19.74	19.75					20	16QAM	1	0	19.93	19.93	19.93												
20	16QAM	1	49	19.58	19.63	19.68	20.3	1.5			20	16QAM	1	49	19.88	19.88	19.88	20	0										
20	16QAM	1	99	19.62	19.71	19.64					20	16QAM	1	99	19.87	19.87	19.87												
20	16QAM	50	0	19.67	19.76	19.73	20.3	1.5			20	16QAM	50	0	19.81	19.97	19.97	20	0										
20	16QAM	50	24	19.55	19.70	19.59					20	16QAM	50	24	19.81	19.83	19.83												
20	16QAM	50	50	19.63	19.68	19.63	19.3	2.5			20	16QAM	50	50	19.77	19.86	19.78	20	0										
20	16QAM	100	0	19.69	19.76	19.62					20	16QAM	100	0	19.82	19.93	19.82												
20	64QAM	1	0	18.66	18.72	18.75	20.3	1.5			20	64QAM	1	49	18.64	18.68	18.67	20	0										
20	64QAM	1	49	18.50	18.62	18.70					20	64QAM	1	99	18.75	18.81	18.87												
20	64QAM	50	0	18.46	18.69	18.61	19.3	2.5			20	64QAM	50	0	18.67	18.82	18.82	20	0										
20	64QAM	50	24	17.49	17.60	17.62					20	64QAM	50	24	18.72	18.82	18.80												
20	64QAM	50	50	17.50	17.57	17.65	17.3	4.5			20	64QAM	50	50	18.81	18.92	18.85	20	0										
20	64QAM	100	0	17.65	17.67	17.73					20	64QAM	100	0	18.81	18.96	18.86												
20	256QAM	1	0	15.68	15.74	15.72	17.3	4.5			20	256QAM	1	0	17.60	17.67	16.98	18	0										
20	256QAM	1	49	15.49	15.67	15.59					20	256QAM	1	49	17.63	17.67	17.63												
20	256QAM	1	99	15.57	15.58	15.66	17.3	4.5			20	256QAM	1	99	16.84	16.96	16.98	18	0										
20	256QAM	50	0	15.62	15.71	15.70					20	256QAM	50	0	16.84	16.93	16.93												
20	256QAM	50	24	15.72	15.73	15.70	17.3	4.5			20	256QAM	50	24	16.84	17.01	16.97	18	0										
20	256QAM	50	50	15.55	15.62	15.65					20	256QAM	100	0	16.84	17.01	16.97												
20	256QAM	100	0	15.51	15.75	15.59					20	256QAM	100	0	16.84	17.01	16.97												
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
15	QPSK	1	0	20.10	20.17	20.17	21.8	0			15	QPSK	1	0	19.16	19.24	19.34	21.8	0										
15	QPSK	1	37	20.00	20.10	20.10					15	QPSK	1	37	19.16	19.24	19.34												
15	QPSK	1	74	20.02	20.09	20.05	21.3	0.5			15	QPSK	1	74	19.17	19.05	19.17	21.3	0.5										
15	QPSK	36	0	19.65	19.68	19.59					15	QPSK	36	0	19.62	19.65	19.51												
15	QPSK	36	20	19.44	19.61	19.53	21.3	0.5			15	QPSK	36	20	19.62	19.68	19.61	21.3	0.5										
15	QPSK	36	36	19.46	19.62	19.64					15	QPSK	36	36	19.62	19.68	19.61												
15	16QAM	1	0	19.66	19.69	19.64	21.3	0.5			15	16QAM	1	0	19.62	19.68	19.64	21.3	0.5										
15	16QAM	1	74	19.59	19.73	19.64					15	16QAM	1	74	19.78	19.73	19.78												
15	16QAM	1	37	19.44	19.62	19.60	20.3	1.5			15	16QAM	1	37	19.74	19.74	19.70	20.3	1.5										
15	16QAM	1	49	19.41	19.64	19.61					15	16QAM	1	49	19.78	19.73	19.78												
15	16QAM	36	0	18.68	18.65	18.68	20.3	1.5			15	16QAM	36	0	18.78	18.71	18.68	20.3	1.5										
15	16QAM	36	20	18.45	18.63	18.57					15	16QAM	36	20	18.74	18.74	18.74												
15	16QAM	36	36	18.42	18.60	18.52	20.3	1.5			15	16QAM	36	36	18.77	18.77	18.70	20.3	1.5										
15	16QAM	75	0	18.64	18.78	18.55					15	16QAM	75	0	18.78	18.78	18.78												
15	64QAM	1	0	18.60	18.63	18.65	20.3	1.5			15	64QAM	1	0	18.65	18.67	18.68	20.3	1.5										
15	64QAM	1	37	18.44	18.56	18.61					15	64QAM	1	37	18.60	18.75	18.66												
15	64QAM	1	74	18.43	18.64	18.53	19.3	2.5			15	64QAM	1	74	18.72	18.75	18.78	19.3	2.5										
15	64QAM	36	0	17.66	17.73	17.61					15	64QAM	36	0	18.64	18.62	18.65												
15	64QAM	36	20	17.62	17.65	17.62	19.3	2.5			15	64QAM	36	20	18.67	18.75	18.85	19.3	2.5										
15	64QAM	36	36	17.47	17.50	17.50					15	64QAM	36	36	18.72	18.75	18.78												
15	64QAM	75	0	17.64	17.72	17.64	17.3	4.5			15	64QAM	75	0	18.62	18.62	19.73	17.3	4.5										
15	256QAM	1	0	15.65	15.71	15.70					15	64QAM	75	0	18.67	18.66	18.94												
15	256QAM	1	37	15.41	15.58	15.55	17.3	4.5			15	256QAM	1	37	15.66	15.66	15.66	17.3	4.5										
15	256QAM	1	74	15.52	15.63	15.63					15	256QAM	1	74	16.70	16.77	16.79												
15	256QAM	36	0	15.62	15.61	15.63	17.3	4.5			15	256QAM	36	0	16.71	16.71	16.85	18	2										
15	256QAM	36	20	15.68	15.61	15.68					15	256QAM	36	20	16.70	16.77	16.85												
15	256QAM	36	36	15.49	15.55	15.62	17.3	4.5			15	256QAM	36	36	16.72	16.92	16.80	18	2										
15	256QAM	75	0	15.44	15.72	15.52					15	256QAM	75	0	16.72	16.90	16.80												
Channel											Channel																		
Frequency (MHz)											Frequency (MHz)																		
10	QPSK	1	0	20.10	20.17	20.17	21.8	0			10	QPSK	1	0	19.95	19.91	19.98	21.8	0										
10	QPSK	1	49	19.99	20.05	20.05					10	QPSK	1	49	19.88	19.85	19.87												
10	QPSK	1	99	19.99	20.09	20.09	21.3	0.5			10	QPSK	1	99	19.88	19.93	19.88	21.3	0.5										
10	QPSK	25	12	19.51	19.54	19.60					10	QPSK	25	12	19.54	19.54	19.60												
10	QPSK	25	25	19.50	19.55	19.58	21.3	0.5			10	QPSK	25	25	19.54	19.57	19.54	21.3	0.5										
10	16QAM	1	0	19.67	19.71	19.70					10	QPSK	25	25	19.52	19.57	19.58												
10	16QAM	1	25	19.55	19.63	19.58	21.3	0.5			10	QPSK	25	49	19.62	19.65	19.78	21.3	0.5										
10	16QAM	1	49	19.61	19.64	19.61					10	QPSK	25	49	19.62	19.65	19.78												
10	16QAM	25	0	19.62	19.69	19.62	20.3	1.5			10	16QAM	1	25	19.44	19.70	18.77	20.3	1.5										
10	16QAM	25	12	18.44	18.64	18.49					10	16QAM	1	49	19.73	19.73	19.73												
10	16QAM	25	25	18.42	18.60	18.52	20.3	1.5			10	16QAM	25	0	19.74	19.51	19.99	20.3	1.5										
10	16QAM	50	0	18.57	18.70	18.55					10	16QAM	25	12	18.86	18.70	18.73												
10	64QAM	1	0	18.62	18.71	18.72	20.3	1.5			10	64QAM	1	0	18.78	18.73	18.73	20.3	1.5										
10	64QAM	1	25	18.47	18.56	18.57					10	64QAM	1	25	18.82	18.83	18.83												
10	64QAM	1	49	18.43	18.60	18.57	19.3	2.5			10	64QAM	1	49	18.73	18.78	18.85	19.3	2.5										
10	64QAM	25	0	17.71	17.74	17.67					10	64QAM	25	0	18.64	18.61	18.69												
10	64QAM	25	12	17.40	17.48	17.55	19.3	2.5			10	64QAM	25	12	18.62	18.62	18.64	19.3	2.5										
10	64QAM	25	25	17.40	17.52	17.45					10	64QAM	25	25	18.76	18.78	19.77												
10	64QAM	50	0	17.68	17.74	17.68	17.3	4.5			10	64QAM	50	0	18.72	18.76	18.72	17.3	4.5										
10	256QAM	1	0	15.62	15.71	15.61					10	64QAM	50	0	18.76	18.76	18.76												
10	256QAM	1	25	15.40	15.57	15.49	17.3	4.5			10	256QAM	1	25	15.66	15.63	15.88	17.3	4.5										
10	256QAM	1	49	15.53	15.61	15.66					10	256QAM	1	49	16.79	16.76	16.84												
10	256QAM	25	0	15.62	15.63	15.59	17.3	4.5																					

Band 38 Ant4 DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [kHz]	MPE [dB]		
Channel										
Frequency [MHz]				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	21.68	21.73	21.71				
20	QPSK	1	49	21.63	21.63	21.62	23.2	0		
20	QPSK	1	99	21.62	21.70	21.70				
20	QPSK	50	0	21.59	21.70	21.66				
20	QPSK	50	24	21.66	21.67	21.60	23.2	0		
20	QPSK	50	50	21.65	21.64	21.68				
20	QPSK	100	0	21.58	21.68	21.66				
20	16QAM	1	0	21.57	21.62	21.67				
20	16QAM	1	49	21.58	21.51	21.48	23.2	0		
20	16QAM	1	99	21.54	21.63	21.50				
20	16QAM	50	0	21.21	21.22	21.25				
20	16QAM	50	24	21.16	21.11	21.12	22.7	0.5		
20	16QAM	50	50	21.15	21.24	21.07				
20	16QAM	100	0	21.11	21.25	21.17				
20	64QAM	1	0	21.16	21.16	21.05				
20	64QAM	1	49	21.10	21.09	21.24	22.7	0.5		
20	64QAM	1	99	21.06	21.16	21.18				
20	64QAM	50	0	20.14	20.23	20.25				
20	64QAM	50	24	20.15	20.11	20.19	21.7	1.5		
20	64QAM	50	50	20.13	20.26	20.05				
20	64QAM	100	0	20.05	20.15	20.10				
20	256QAM	1	0	18.20	18.26	18.17				
20	256QAM	1	49	18.07	18.11	18.13	19.7	3.5		
20	256QAM	1	99	18.17	18.20	18.13				
20	256QAM	50	0	18.15	18.20	18.22				
20	256QAM	50	24	18.20	18.20	18.13	19.7	3.5		
20	256QAM	50	50	18.15	18.20	18.23				
20	256QAM	100	0	18.06	18.22	18.16				
Channel				37775	38000	38225	100%	MPE		
Frequency [MHz]				2577.5	2595	2612.5				
15	QPSK	1	0	21.63	21.64	21.63				
15	QPSK	1	37	21.58	21.50	21.49	23.2	0		
15	QPSK	1	74	21.56	21.46	21.50				
15	QPSK	36	0	21.55	21.59	21.58				
15	QPSK	36	20	21.56	21.54	21.48	23.2	0		
15	QPSK	36	39	21.56	21.52	21.58				
15	QPSK	75	0	21.52	21.60	21.57				
15	16QAM	1	0	21.51	21.59	21.83				
15	16QAM	1	37	21.51	21.41	21.42	23.2	0		
15	16QAM	1	74	21.42	21.56	21.38				
15	16QAM	36	0	21.18	21.17	21.20				
15	16QAM	36	20	21.08	21.08	21.02	22.7	0.5		
15	16QAM	36	39	21.08	21.21	21.01				
15	16QAM	75	0	20.99	21.18	21.08				
15	64QAM	1	0	21.11	21.08	20.98				
15	64QAM	1	37	21.07	20.96	21.10	22.7	0.5		
15	64QAM	1	74	21.04	21.04	21.13				
15	64QAM	36	0	20.07	20.10	20.13				
15	64QAM	36	20	20.10	20.01	20.08	21.7	1.5		
15	64QAM	36	39	20.04	20.22	19.98				
15	64QAM	75	0	19.97	20.02	20.01				
15	256QAM	1	0	18.11	18.14	18.06				
15	256QAM	1	37	18.03	17.99	18.01	19.7	3.5		
15	256QAM	1	74	18.10	18.13	18.09				
15	256QAM	36	0	18.02	18.16	18.15				
15	256QAM	36	20	18.01	18.15	18.08	19.7	3.5		
15	256QAM	36	39	18.03	18.08	18.12				
15	256QAM	75	0	17.93	18.13	18.08				
Channel				37800	38000	38200	100%	MPE		
Frequency [MHz]				2574	2595	2615				
10	QPSK	1	0	21.61	21.83	21.80				
10	QPSK	1	25	21.56	21.51	21.55	23.2	0		
10	QPSK	1	49	21.49	21.81	21.53				
10	QPSK	25	0	21.51	21.60	21.58				
10	QPSK	25	12	21.60	21.80	21.52	23.2	0		
10	QPSK	25	25	21.58	21.50	21.66				
10	QPSK	50	0	21.54	21.55	21.54				
10	16QAM	1	0	21.44	21.54	21.85				
10	16QAM	1	25	21.44	21.36	21.41	23.2	0		
10	16QAM	1	49	21.47	21.53	21.38				
10	16QAM	25	0	21.12	21.17	21.17				
10	16QAM	25	12	21.10	21.06	21.02	22.7	0.5		
10	16QAM	25	25	21.07	21.16	21.05				
10	16QAM	50	0	21.06	21.12	21.13				
10	64QAM	1	0	21.11	21.12	20.95				
10	64QAM	1	25	20.97	21.02	21.15	22.7	0.5		
10	64QAM	1	49	21.01	21.11	21.08				
10	64QAM	25	0	20.90	20.20	20.21	21.7	1.5		
10	64QAM	25	12	20.07	19.99	20.08				
10	64QAM	25	25	20.05	20.17	19.97				
10	64QAM	50	0	19.92	20.12	20.01				
10	256QAM	1	0	18.11	18.20	18.11	19.7	3.5		
10	256QAM	1	25	18.03	18.00	18.02				
10	256QAM	1	49	18.03	18.13	17.99				
10	256QAM	25	0	18.09	18.17	18.10				
10	256QAM	25	12	18.06	18.07	18.08	19.7	3.5		
10	256QAM	25	25	18.06	18.09	18.14				
10	256QAM	50	0	17.98	18.17	18.05				
Channel				37775	38000	38225	100%	MPE		
Frequency [MHz]				2572.5	2595	2617.5				
5	QPSK	1	0	21.56	21.65	21.63				
5	QPSK	1	12	21.57	21.80	21.57	23.2	0		
5	QPSK	1	24	21.53	21.60	21.54				
5	QPSK	12	0	21.53	21.68	21.64				
5	QPSK	12	7	21.63	21.56	21.48	23.2	0		
5	QPSK	12	13	21.52	21.53	21.61				
5	QPSK	25	0	21.55	21.66	21.57				
5	16QAM	1	0	21.46	21.55	21.60				
5	16QAM	1	12	21.47	21.43	21.37	23.2	0		
5	16QAM	1	24	21.51	21.57	21.44				
5	16QAM	12	0	21.16	21.16	21.12				
5	16QAM	12	7	21.11	21.09	21.00	22.7	0.5		
5	16QAM	12	13	21.10	21.15	21.00				
5	16QAM	25	0	21.03	21.20	21.12				
5	64QAM	1	0	21.13	21.12	21.06				
5	64QAM	1	12	21.07	21.07	21.16	22.7	0.5		
5	64QAM	1	24	20.93	21.06	21.16				
5	64QAM	12	0	20.93	20.13	20.22				
5	64QAM	12	7	20.95	20.02	20.12	21.7	1.5		
5	64QAM	12	13	20.92	20.24	20.00				
5	64QAM	25	0	19.93	20.13	20.03				
5	256QAM	1	0	18.11	18.17	18.06	19.7	3.5		
5	256QAM	1	12	18.02	18.05	17.99				
5	256QAM	1	24	18.12	18.15	18.05				
5	256QAM	12	0	18.02	18.15	18.19				
5	256QAM	12	7	18.07	18.10	18.08	19.7	3.5		
5	256QAM	12	13	18.03	18.09	18.12				
5	256QAM	25	0	18.03	18.08	18.05				

Band 41 Ant4 DSI3										
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 [kHz]	MPE (dB)
Channel										
Frequency (MHz)				38750	40185	40620	41055	41490		
				2590	2549.5	2593	2636.5	2590		
20	QPSK	1	0	20.75	20.73	20.76	20.70	20.69		
20	QPSK	1	49	20.72	20.62	20.67	20.58	20.57	22.2	0
20	QPSK	1	99	20.68	20.71	20.76	20.66	20.58		
20	QPSK	50	0	20.71	20.61	20.75	20.61	20.64		
20	QPSK	50	24	20.73	20.62	20.73	20.64	20.57	22.2	0
20	QPSK	50	50	20.70	20.66	20.70	20.57	20.59		
20	QPSK	100	0	20.69	20.62	20.72	20.59	20.59		
20	16QAM	1	0	20.61	20.66	20.66	20.59	20.60		
20	16QAM	1	49	20.69	20.59	20.60	20.50	20.45	22.2	0
20	16QAM	1	99	20.66	20.64	20.63	20.57	20.52		
20	16QAM	50	0	20.65	20.48	20.68	20.51	20.61		
20	16QAM	50	24	20.66	20.53	20.69	20.56	20.47	22.2	0
20	16QAM	50	50	20.66	20.53	20.67	20.45	20.49		
20	16QAM	100	0	20.58	20.52	20.65	20.46	20.52		
20	64QAM	1	0	20.71	20.69	20.71	20.60	20.65		
20	64QAM	1	49	20.61	20.57	20.62	20.47	20.43	22.2	0
20	64QAM	1	99	20.62	20.58	20.63	20.50	20.45		
20	64QAM	50	0	20.26	20.24	20.33	20.23	20.14		
20	64QAM	50	24	20.20	20.08	20.17	20.06	20.02	21.7	0.5
20	64QAM	50	50	20.23	20.10	20.27	20.10	20.05		
20	64QAM	100	0	20.24	20.17	20.28	20.11	20.16		
Channel										
Frequency (MHz)				38750	40185	40620	41055	41490		
				2590	2549.5	2593	2636.5	2590		
20	256QAM	1	0	18.31	18.23	18.34	18.21	18.16		
20	256QAM	1	49	18.19	18.15	18.17	18.07	18.13	21.7	2.5
20	256QAM	1	99	18.16	18.19	18.22	18.22	18.12		
20	256QAM	50	0	18.16	18.16	18.20	18.16	18.16		
20	256QAM	50	24	18.19	18.18	18.18	18.16	18.10	21.7	2.5
20	256QAM	50	50	18.25	18.05	18.25	18.10	18.08		
20	256QAM	100	0	18.15	18.16	18.28	18.13	18.18		
Channel										
Frequency (MHz)				2550.5	2548.3	2593	2613.8	2692.9		
15	QPSK	1	0	20.62	20.59	20.69	20.58	20.58		
15	QPSK	1	37	20.61	20.51	20.63	20.48	20.50	22	0
15	QPSK	1	74	20.57	20.59	20.65	20.55	20.47		
15	QPSK	36	0	20.57	20.54	20.67	20.48	20.58		
15	QPSK	36	20	20.68	20.58	20.70	20.57	20.50	22.2	0
15	QPSK	36	39	20.67	20.53	20.59	20.52	20.46		
15	QPSK	75	0	20.58	20.60	20.64	20.51	20.48		
15	QPSK	75	37	20.57	20.57	20.65	20.53	20.46		
15	16QAM	1	0	20.57	20.54	20.64	20.49	20.51	22.2	0
15	16QAM	1	37	20.58	20.55	20.54	20.46	20.41		
15	16QAM	1	74	20.54	20.60	20.50	20.54	20.49		
15	16QAM	36	0	20.59	20.40	20.59	20.38	20.56		
15	16QAM	36	20	20.61	20.49	20.59	20.53	20.46	22.2	0
15	16QAM	36	39	20.53	20.43	20.64	20.33	20.41		
15	16QAM	75	0	20.47	20.49	20.58	20.43	20.38		
15	64QAM	1	0	20.63	20.56	20.61	20.53	20.53	22.2	0
15	64QAM	1	37	20.49	20.53	20.57	20.35	20.36		
15	64QAM	1	74	20.58	20.52	20.50	20.41	20.41		
15	64QAM	36	0	20.21	20.21	20.22	20.15	20.10		
15	64QAM	36	20	20.18	20.00	20.12	20.02	20.09	21.7	0.5
15	64QAM	36	39	20.17	20.09	20.21	20.10	20.81		
15	256QAM	1	0	18.22	18.13	18.29	18.17	18.13		
15	256QAM	1	37	18.05	18.11	18.00	18.03	18.06	21.7	2.5
15	256QAM	1	74	18.07	18.17	18.15	18.20	18.07		
15	256QAM	36	0	18.10	18.07	18.07	18.06	18.07		
15	256QAM	36	20	18.07	18.05	18.14	18.03	18.00	21.7	2.5
15	256QAM	36	39	18.22	17.97	18.11	17.96	17.98		
15	256QAM	75	0	18.12	18.05	18.22	18.06	18.07		
Channel										
Frequency (MHz)				30700	40160	40600	41098	41500		
				2593	2593	2593	2640	2593		
10	QPSK	1	0	20.61	20.70	20.76	20.67	20.61		
10	QPSK	1	25	20.58	20.56	20.63	20.55	20.44	22	0
10	QPSK	1	49	20.54	20.57	20.65	20.53	20.44		
10	QPSK	25	0	20.57	20.58	20.67	20.55	20.48		
10	QPSK	25	12	20.62	20.48	20.61	20.57	20.53	22.2	0
10	QPSK	25	25	20.60	20.55	20.63	20.46	20.54		
10	QPSK	50	0	20.60	20.59	20.69	20.54	20.51		
10	QPSK	50	25	20.55	20.58	20.67	20.53	20.44	22.2	0
10	QPSK	100	0	20.55	20.52	20.65	20.48	20.42		
10	16QAM	1	49	20.62	20.52	20.50	20.44	20.49		
10	16QAM	25	0	20.54	20.45	20.65	20.47	20.49	22.2	0
10	16QAM	25	12	20.63	20.41	20.64	20.47	20.35		
10	16QAM	25	25	20.58	20.57	20.67	20.53	20.44		
10	16QAM	50	0	20.55	20.46	20.55	20.34	20.40		
10	64QAM	1	0	20.64	20.60	20.66	20.48	20.63	22.2	0
10	64QAM	1	25	20.58	20.45	20.55	20.44	20.39		
10	64QAM	1	49	20.62	20.56	20.61	20.47	20.42		
10	64QAM	25	0	20.16	20.30	20.20	20.14	20.08	21.7	0.5
10	64QAM	25	12	20.12	19.99	20.04	19.98	19.96		
10	64QAM	25	25	20.11	20.08	20.19	20.01	20.04		
10	64QAM	50	0	20.16	20.07	20.16	20.03	20.05		
10	256QAM	1	0	18.27	18.11		18.12	18.08	19.7	2.5
10	256QAM	1	25	18.06	18.05	18.03	18.03	18.10		
10	256QAM	1	49	18.10	18.13	18.15	18.13	17.99		
10	256QAM	25	0	18.05	17.95	18.24	18.10	18.06	19.7	2.5
10	256QAM	25	12	18.06	18.11	18.08	18.07	18.04		
10	256QAM	25	25	18.17	17.92	18.13	18.07	17.95		
10	256QAM	50	0	18.01	18.12	18.19	18.06	18.08		
Channel										
Frequency (MHz)				39675	40162	40620	41098	41565		
				2548.5	2548.6	2593	2640	2593		
5	QPSK	1	0	20.66	20.60	20.69	20.55	20.65		
5	QPSK	1	12	20.66	20.51	20.54	20.49	20.44	22	0
5	QPSK	1	24	20.60	20.66	20.74	20.53	20.45		
5	QPSK	12	0	20.65	20.48	20.66	20.53	20.55		
5	QPSK	12	12	20.59	20.59	20.69	20.51	20.44	22.2	0
5	QPSK	12	13	20.59	20.54	20.54	20.55	20.58		
5	QPSK	25	0	20.62	20.56	20.60	20.49	20.47		
5	16QAM	1	0	20.55	20.58	20.53	20.50	20.47		
5	16QAM	1	12	20.51	20.51	20.59	20.47	20.33	22.2	0
5	16QAM	1	24	20.53	20.62	20.54	20.53	20.40		
5	16QAM	12	0	20.56	20.34	20.55	20.40	20.48		
5	16QAM	12	7	20.61	20.45	20.59	20.52	20.40	22.2	0
5	16QAM	12	13	20.63	20.54	20.66	20.49	20.49		
5	16QAM	25	0	20.54	20.48	20.63	20.38	20.49		
5	64QAM	1	0	20.67	20.64	20.58	20.47	20.57		
5	64QAM	1	12	20.58	20.47	20.55	20.41	20.36	22.2	0
5	64QAM	1	24	20.55	20.52	20.56	20.50	20.42		
5	64QAM	12	0	20.57	20.47	20.56	20.42	20.34	21.7	0.5
5	64QAM	12	7	20.06	19.98	20.06	19.95	20.00		
5	64QAM	12	13	20.21	20.12	20.16	20.01	19.94		
5	256QAM	1	0	20.20	20.07	20.21	20.05	20.13		
5	256QAM	1	12	18.08	18.11	18.08	18.06	18.06	19.7	2.5
5	256QAM	1	12	18.06	18.10	18.04	18.00	18.06		
5	256QAM	1	24	18.03	18.06	18.14	18.20	17.99		
5	256QAM	12	0	18.04	17.94	18.21	18.02	18.07		
5	256QAM	12	7	18.07	18.15	18.07	18.02	18.06	19.7	2.5
5	256QAM	12	13	18.22	17.94	18.17	17.98	18.01	21.7	2.5
5	256QAM	25	0	18.08	18.03	18.24	18.00	18.08		

		WCDMA II/RevB DS3			WCDMA IV/RevB DS3		
Band		WCDMA II			WCDMA IV		
TX Channel		6082	6400	6538	1312	1413	1513
RX Channel		6062	6000	6038	1337	1338	1738
Frequency (MHz)		1852.4	1860	1907.6	1722.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	21.47	21.61	21.54	22.80	20.91	20.84
3GPP Rel 99	RMC 12.2Kbps	21.64	21.67	21.52	22.80	21.07	20.96
3GPP Rel 6	HSPA Subclass-1	20.78	20.55	20.57	21.80	19.97	20.02
3GPP Rel 6	HSPA Subclass-2	20.65	20.63	20.55	21.80	19.91	19.95
3GPP Rel 6	HSPA Subclass-3	20.03	20.20	20.06	21.30	19.49	19.43
3GPP Rel 6	HSPA Subclass-4	20.02	20.21	20.04	21.30	19.41	19.38
3GPP Rel 6	DC-HSPA Subclass-1	20.74	20.68	20.53	21.80	19.97	19.99
3GPP Rel 6	DC-HSPA Subclass-2	20.66	20.63	20.59	21.80	20.01	19.97
3GPP Rel 6	DC-HSPA Subclass-3	20.04	20.19	20.15	21.30	19.93	19.99
3GPP Rel 6	DC-HSPA Subclass-4	20.13	20.09	19.98	21.30	19.43	19.33
3GPP Rel 6	HSPA Subclass-1	20.66	20.51	20.53	21.80	19.91	19.93
3GPP Rel 6	HSPA Subclass-2	18.69	18.63	18.59	19.80	18.02	17.92
3GPP Rel 6	HSPA Subclass-3	18.64	18.52	18.55	20.80	18.98	18.82
3GPP Rel 6	HSPA Subclass-4	18.62	18.72	18.63	19.80	17.98	17.93
3GPP Rel 6	HSPA Subclass-5	20.61	20.59	20.52	21.80	19.90	19.93
3GPP Rel 7	HSPA+ (MGM) Subclass-1	18.16	18.23	18.11	19.30	17.50	17.39

Band 2 Ant6 DSI3													
BW (MHz)	Modulat	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	20.81	20.85	20.83	22.3	0					
20	QPSK	1	8	20.74	20.77	20.80		0					
20	QPSK	1	96	20.77	20.88	20.72	22.3	0					
20	QPSK	50	0	20.79	20.83	20.74		0					
20	QPSK	50	24	20.71	20.81	20.79	22.3	0					
20	QPSK	50	50	20.75	20.81	20.77		0					
20	QPSK	100	0	20.75	20.85	20.73	22.3	0					
20	QPSK	100	0	20.75	20.75	20.81		0					
20	16QAM	1	49	20.71	20.75	20.68	22.3	0					
20	16QAM	1	99	20.71	20.79	20.68		0					
20	16QAM	50	0	20.34	20.49	20.36	21.8	0.5					
20	16QAM	50	24	20.21	20.21	20.36		0					
20	16QAM	50	50	20.26	20.49	20.17	21.8	0.5					
20	16QAM	100	0	20.35	20.34	20.29		0					
20	16QAM	1	0	20.15	20.31	20.34	21.5	0					
20	16QAM	1	49	20.21	20.22	20.30		0					
20	16QAM	1	99	20.26	20.35	20.20	20.8	1.5					
20	16QAM	50	0	19.36	19.31	19.36		0					
20	16QAM	50	24	19.29	19.20	19.25	20.8	1.5					
20	16QAM	50	50	19.25	19.33	19.29		0					
20	16QAM	100	0	19.33	19.33	19.29	18.8	3.5					
20	16QAM	1	0	17.26	17.34	17.30		0					
20	16QAM	1	49	17.24	17.27	17.33	18.8	3.5					
20	16QAM	1	99	17.28	17.29	17.17		0					
20	256QAM	50	24	17.24	17.23	17.25	18.8	3.5					
20	256QAM	50	50	17.25	17.36	17.31		0					
20	256QAM	100	0	17.23	17.30	17.19	20.8	1.5					
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.57	18.60	18.52		22.3	0				
15	QPSK	1	8	20.72	20.78	20.77	0						
15	QPSK	1	74	20.88	20.81	20.84	22.3	0					
15	QPSK	36	0	20.76	20.80	20.70		0					
15	QPSK	36	36	20.87	20.78	20.89	22.3	0					
15	QPSK	36	36	20.83	20.69	20.68		0					
15	QPSK	75	0	20.75	20.69	20.68	22.3	0					
15	QPSK	1	0	20.75	20.69	20.70		0					
15	16QAM	1	37	20.68	20.52	20.64	22.3	0					
15	16QAM	1	74	20.63	20.64	20.36		0					
15	16QAM	36	0	20.24	20.38	20.26	21.8	0.5					
15	16QAM	36	20	20.15	20.11	20.26		0					
15	16QAM	36	20	20.15	20.11	20.26	21.8	0.5					
15	16QAM	75	0	20.32	20.23	20.28		0					
15	16QAM	1	0	20.12	20.23	20.28	21.5	0.5					
15	16QAM	1	37	20.24	20.22	20.19		0					
15	16QAM	1	74	20.27	20.31	20.17	21.5	0.5					
15	16QAM	36	0	19.30	19.20	19.34		0					
15	16QAM	36	36	19.35	19.25	19.23	20.8	1.5					
15	16QAM	75	0	19.27	19.20	19.25		0					
15	256QAM	1	37	17.16	17.16	17.21	18.8	3.5					
15	256QAM	1	74	17.23	17.26	17.09		0					
15	256QAM	36	0	17.12	17.12	17.15	18.8	3.5					
15	256QAM	36	20	17.15	17.33	17.20		0					
15	256QAM	36	36	17.15	17.25	17.25	18.8	3.5					
15	256QAM	75	0	17.13	17.13	17.16		0					
Channel													
Frequency (MHz)													
5	QPSK	1	0	20.73	20.73	20.73	22.3	0					
5	QPSK	1	12	20.68	20.67	20.75		0					
5	QPSK	1	24	20.69	20.73	20.63	22.3	0					
5	QPSK	12	0	20.74	20.71	20.69		0					
5	QPSK	12	7	20.68	20.77	20.77	22.3	0					
5	QPSK	12	13	20.69	20.71	20.74		0					
5	QPSK	25	0	20.67	20.75	20.62	22.3	0					
5	16QAM	1	0	20.72	20.67	20.75		0					
5	16QAM	1	12	20.57	20.64	20.62	22.3	0					
5	16QAM	1	14	20.61	20.77	20.63		0					
5	16QAM	12	0	20.36	20.38	20.31	21.8	0.5					
5	16QAM	12	7	20.68	20.11	20.29		0					
5	16QAM	12	13	20.18	20.34	20.11	21.8	0.5					
5	16QAM	25	0	20.28	20.24	20.18		0					
5	16QAM	1	0	20.05	20.17	20.22	21.8	0.5					
5	16QAM	1	12	20.22	20.19	20.25		0					
5	16QAM	1	24	20.17	20.23	20.07	20.8	1.5					
5	16QAM	12	0	19.27	19.24	19.27		0					
5	16QAM	12	7	19.18	19.15	19.21	20.8	1.5					
5	16QAM	12	13	19.14	19.30	19.08		0					
5	16QAM	25	0	19.29	19.25	19.16	20.8	1.5					
5	256QAM	1	0	17.18	17.26	17.23		0					
5	256QAM	1	12	17.18	17.12	17.28	18.8	3.5					
5	256QAM	1	24	17.21	17.24	17.11		0					
5	256QAM	12	0	17.17	17.23	17.18	18.8	3.5					
5	256QAM	12	7	17.20	17.21	17.27		0					
5	256QAM	12	13	17.21	17.22	17.22	18.8	3.5					
5	256QAM	25	0	17.18	17.23	17.18		0					
Channel													
Frequency (MHz)													
3	QPSK	1	0	20.68	20.60	20.73	22.3	0					
3	QPSK	1	8	20.67	20.70	20.74		0					
3	QPSK	1	74	20.82	20.82	20.79	22.3	0					
3	QPSK	8	0	20.69	20.77	20.69		0					
3	QPSK	8	4	20.67	20.70	20.67	22.3	0					
3	QPSK	8	7	20.70	20.73	20.66		0					
3	QPSK	16	0	20.74	20.75	20.65	22.3	0					
3	QPSK	1	0	20.67	20.72	20.69		0					
3	16QAM	1	0	20.68	20.63	20.70	22.3	0					
3	16QAM	1	14	20.59	20.68	20.56		0					
3	16QAM	1	24	20.54	20.51	20.59	22.3	0					
3	16QAM	8	0	20.62	20.67	20.58		0					
3	16QAM	8	7	20.17	20.35	20.08	21.8	0.5					
3	16QAM	8	7	20.17	20.21	20.16		0					
3	16QAM	8	7	20.07	20.20	20.27	21.8	0.5					
3	16QAM	8	26	20.28	20.20	20.16		0					
3	16QAM	8	26	20.28	20.34	20.16	21.8	0.5					
3	16QAM	16	0	19.32	19.17	19.32		0					
3	16QAM	8	4	19.26	19.11	19.13	20.8	1.5					
3	16QAM	8	7	19.26	19.26	19.13		0					
3	256QAM	1	0	17.24	17.26	17.17	18.8	3.5					
3	256QAM	1	12	17.18	17.23	17.20		0					
3	256QAM	1	14	17.22	17.27	17.06	18.8	3.5					
3	256QAM	8	0	17.17	17.22	17.21		0					
3	256QAM	8	7	17.20	17.21	17.27	18.8	3.5					
3	256QAM	8	7	17.20	17.27	17.27		0					
3	256QAM	16	0	17.12	17.22	17.08	20.8	1.5					
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	18.57	18.60	18.53	22.3	0					
1.4	QPSK	1	8	20.68	20.75	20.70		0					
1.4	QPSK	1	74	20.88	20.80	20.87	22.3	0					
1.4	QPSK	3	0	20.67	20.69	20.65		0					
1.4	QPSK	3	3	20.67	20.72	20.74	22.3	0					
1.4	QPSK	3	3	20.65	20.68	20.67		0					
1.4	16QAM	1	0	20.65	20.71	20.61	22.3	0					
1.4	16QAM	1	8	20.67	20.68	20.58		0					
1.4	16QAM	3	0	20.57	20.69	20.63	22.3	0					
1.4	16QAM	3	3	20.62	20.68	20.51		0					
1.4	16QAM	3	3	20.52	20.58	20.51	21.8	0.5					
1.4	16QAM	3	20	20.22	20.20	20.26		0					
1.4	16QAM	3	20	20.22	20.13	20.26	21.8	0.5					
1.4	16QAM	3	20	20.18	20.23	20.13		0					
1.4	16QAM	3	20	19.25	19.28	19.14	20.8	1.5					
1.4	16QAM	3	20	19.23	19.29	20.20		0					
1.4	256QAM	3	3	17.13	17.29	17.28	18.8	3.5					
1.4	256QAM	3	3	17.13	17.22	17.07		0					
1.4	256QAM	3	3	17.20	17.23	17.20	18.8	3.5					
1.4	256QAM	3	3	17.19	17.29	17.20		0					
1.4	256QAM	3	3	17.19	17.23	17.28	18.8	3.5					
1.4	256QAM	3	3	17.19	17.23	17.28		0					

Band 25 Ant6 DSI3											Band 26 Ant6 DSI3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fines	Power Middle Ch./Fines	Power High Ch./Fines	Time-slot (frames)	APRS (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Fines	Power Middle Ch./Fines	Power High Ch./Fines	Time-slot (frames)	APRS (dB)						
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
20	QPSK	1	0	20.63	20.66	20.65	22.3	0			20	QPSK	1	0	18.09	18.12	18.10	19.6	0						
20	QPSK	1	49	20.61	20.78	20.72					20	QPSK	1	49	17.97	17.98	18.01								
20	QPSK	50	0	20.74	20.63	20.74	22.3	0			20	QPSK	50	0	17.96	18.01	18.00	19.6	0						
20	QPSK	50	24	20.72	20.80	20.73					20	QPSK	50	24	17.99	18.07	18.02								
20	QPSK	100	0	20.71	20.62	20.77	22.3	0			20	QPSK	100	0	18.03	18.08	18.00	19.6	0						
20	16QAM	1	0	20.60	20.77	20.81					20	16QAM	1	0	17.98	17.99	17.97								
20	16QAM	1	49	20.72	20.71	20.69	22.3	0			20	16QAM	1	49	17.99	17.97	17.99	19.6	0						
20	16QAM	1	99	20.62	20.65	20.68					20	16QAM	1	99	18.03	17.93	17.93								
20	16QAM	50	0	19.77	19.84	19.81	21.3	1			20	16QAM	50	0	17.98	17.99	17.93	19.6	0						
20	16QAM	50	24	19.88	19.84	19.72					20	16QAM	50	24	18.04	17.98	17.89								
20	16QAM	50	50	19.73	19.74	19.80	21.3	1			20	16QAM	50	50	17.92	17.98	18.02	19.6	0						
20	16QAM	100	0	19.71	19.82	19.71					20	16QAM	100	0	17.99	17.97	17.99								
20	64QAM	1	0	19.67	19.74	19.79	21.3	1			20	64QAM	1	0	18.04	18.04	18.07	19.6	0						
20	64QAM	1	49	19.75	19.77	19.83					20	64QAM	1	49	17.91	17.86	17.91								
20	64QAM	50	0	19.73	19.82	19.79	20.3	2			20	64QAM	50	0	17.97	17.99	17.99	19.6	0						
20	64QAM	50	24	19.76	19.85	19.76					20	64QAM	50	24	17.91	17.96	17.95								
20	64QAM	50	50	19.73	19.75	19.75	18.3	4			20	64QAM	50	50	17.97	17.98	17.97	19.6	0						
20	64QAM	100	0	19.72	19.79	19.76					20	64QAM	100	0	17.93	17.95	17.92								
20	256QAM	1	49	19.64	19.82	19.72	18.3	4			20	256QAM	1	49	17.87	17.87	17.80	19.1	1						
20	256QAM	1	99	19.80	19.71	19.73					20	256QAM	1	99	17.88	17.82	17.82								
20	256QAM	50	0	19.78	19.78	19.78	18.3	4			20	256QAM	50	0	17.88	17.88	17.88	19.1	1						
20	256QAM	50	24	19.78	19.76	19.78					20	256QAM	50	24	17.86	17.83	17.87								
20	256QAM	50	50	19.73	19.80	19.82	18.3	4			20	256QAM	50	50	17.87	17.89	17.84	19.1	1						
20	256QAM	100	0	19.75	19.82	19.77					20	256QAM	100	0	17.86	17.82	17.83								
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
15	QPSK	1	0	20.79	20.79	20.72	22.3	0			15	QPSK	1	0	18.08	18.08	18.08	19.6	0						
15	QPSK	1	37	20.78	20.76	20.83					15	QPSK	1	37	18.04	18.04	18.04								
15	QPSK	1	74	20.68	20.67	20.68	22.3	0			15	QPSK	1	74	17.93	17.92	17.92	19.6	0						
15	QPSK	36	0	20.64	20.73	20.67					15	QPSK	36	0	17.93	18.01	17.86								
15	QPSK	36	20	20.63	20.72	20.70	22.3	0			15	QPSK	36	20	17.97	17.87	17.94	19.6	0						
15	QPSK	36	36	20.68	20.77	20.76					15	QPSK	36	36	17.97	17.98	17.93								
15	16QAM	1	0	20.60	20.77	20.73	22.3	0			15	16QAM	1	0	17.94	17.94	17.97	19.6	0						
15	16QAM	1	74	20.67	20.67	20.73					15	16QAM	1	74	17.92	17.86	17.88								
15	16QAM	1	37	20.61	20.61	20.63	22.3	0			15	16QAM	1	37	17.95	17.97	17.93	19.6	0						
15	16QAM	1	74	20.63	20.66	20.69					15	16QAM	1	74	17.95	17.88	17.88								
15	16QAM	36	0	19.67	19.73	19.69	21.3	1			15	16QAM	36	0	17.96	17.92	17.89	19.6	0						
15	16QAM	36	20	19.60	19.72	19.65					15	16QAM	36	20	17.97	18.00	17.95								
15	16QAM	36	36	19.68	19.71	19.67	21.3	1			15	16QAM	36	36	17.88	17.92	17.89	19.6	0						
15	16QAM	75	0	19.64	19.70	19.74					15	16QAM	75	0	17.92	17.82	17.89								
15	64QAM	1	0	19.65	19.60	19.68	21.3	1			15	64QAM	1	0	18.01	18.02	17.98	19.6	0						
15	64QAM	1	74	19.62	19.70	19.75					15	64QAM	1	74	17.98	17.82	17.78								
15	64QAM	36	0	19.68	19.79	19.76	20.3	2			15	64QAM	36	0	17.96	17.90	17.92	19.6	0						
15	64QAM	36	20	19.65	19.69	19.65					15	64QAM	36	20	17.95	17.92	17.85								
15	64QAM	75	0	19.64	19.67	19.67	18.3	4			15	64QAM	75	0	17.99	17.91	17.94	19.6	0						
15	256QAM	1	0	19.77	19.75	19.84					15	256QAM	1	0	17.97	17.91	17.86								
15	256QAM	1	37	19.78	19.79	19.81	18.3	4			15	256QAM	1	37	17.97	17.94	17.89	19.1	0.5						
15	256QAM	1	74	19.70	19.68	19.69					15	256QAM	1	74	17.92	17.84	17.77								
15	256QAM	36	0	19.63	19.74	19.67	18.3	4			15	256QAM	36	0	17.96	17.94	17.94	19.1	0.5						
15	256QAM	36	20	19.76	19.67	19.64					15	256QAM	36	20	17.95	17.88	17.83								
15	256QAM	36	36	19.66	19.68	19.70	18.3	4			15	256QAM	36	36	17.96	17.92	17.83	19.1	0.5						
15	256QAM	75	0	19.63	19.70	19.75					15	256QAM	75	0	17.97	17.94	17.94								
Channel											Channel														
Frequency (MHz)											Frequency (MHz)														
10	QPSK	1	0	20.65	20.60	20.65	22.3	0			10	QPSK	1	0	18.09	18.09	18.09	19.6	0						
10	QPSK	1	12	20.78	20.70	20.70					10	QPSK	1	12	18.08	18.08	18.04								
10	QPSK	1	24	20.68	20.65	20.66	22.3	0			10	QPSK	1	24	17.95	17.90	17.86	19.6	0						
10	QPSK	12	0	20.61	20.76	20.71					10	QPSK	12	0	17.96	17.98	17.93								
10	QPSK	12	7	20.65	20.73	20.63	22.3	0			10	QPSK	12	7	17.97	18.01	17.99	19.6	0						
10	QPSK	12	13	20.61	20.78	20.75					10	QPSK	12	13	17.96	17.97	17.94								
10	16QAM	1	0	20.58	20.70	20.64	22.3	0			10	16QAM	1	0	18.00	17.97	17.94	19.6	0						
10	16QAM	1	0	20.78	20.72	20.78					10	16QAM	1	0	17.95	17.96	17.89								
10	16QAM	1	12	20.67	20.63	20.66	22.3	0			10	16QAM	1	12	17.98	17.93	17.93	19.6	0						
10	16QAM	1	24	20.63	20.68	20.65					10	16QAM	1	24	17.97	17.81	17.83								
10	16QAM	12	0	19.72	19.80	19.68	21.3	1			10	16QAM	12	0	17.88	17.83	17.85	19.6	0						
10	16QAM	12	7	19.82	19.72	19.89					10	16QAM	12	7	17.93	17.82	17.85								
10	16QAM	12	13	19.81	19.72	19.75	21.3	1			10	16QAM	12	13	17.83	17.89	17.93	19.6	0						
10	16QAM	25	0	19.67	19.68	19.69					10	16QAM	25	0	17.92	17.93	17.87								
10	64QAM	1	0	19.68	19.60	19.71	21.3	1			10	64QAM	1	0	17.93	17.93	17.93	19.6	0						
10	64QAM	1	12	19.72	19.74	19.81					10	64QAM	1	12	17.86	17.75	17.78								
10	64QAM	1	24	19.68	19.79	19.75	20.3	2			10	64QAM	1	24	17.88	17.88	17.84	19.6	0						
10	64QAM	12	0	19.76	19.77	19.77					10	64QAM	12	0	17.92	17.80	17.90								
10	64QAM	12	7	19.63	19.82	19.65	20.3	2			10	64QAM	12	7	17.82	17.80	17.80	19.6	0						
10	64QAM	12	13	19.68	19.67	19.62					10	64QAM	12	13	17.78	17.85	17.84								
10	256QAM	1	0	19.66	19.68	19.69	18.3	4			10	256QAM	1	0	17.94	17.90	17.88	19.1	0.5						
10	256QAM	1	0	19.76	19.77	19.80					10	256QAM	1	0	17.93	17.87	17.86								
10	256QAM	1	12	19.73	19.71	19.81	18.3	4			10	256QAM	1	12	17.97	17.94	17.89	19.1	0.5						
10	256QAM	1	24	19.69	19.70	19.64					10	256QAM	1	24	17.95	17.85	17.85								
10	256QAM	12	0	19.68	19.74	19.66	18.3	4			10	256QAM	12	0	17.92	17.85	17.84	19.1	0.5						
10	256QAM	12	7	19.75	19.62	19.74					10	256QAM	12	7	17.98	17.91	17.87								
10	256QAM	12	13	19.80																					

Band 38 Ant6 DSI3										
BW [MHz]	Modulation on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit	MPE (dB)		
Channel										
Frequency (MHz)				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	21.45	21.48	21.43				
20	QPSK	1	49	21.43	21.41	21.38	23	0		
20	QPSK	1	99	21.39	21.37	21.30				
20	QPSK	50	0	21.36	21.44	21.29				
20	QPSK	50	24	21.41	21.34	21.29	23	0		
20	QPSK	50	50	21.36	21.38	21.35				
20	16QAM	100	0	21.30	21.43	21.34				
20	16QAM	1	49	21.31	21.35	21.26	23	0		
20	16QAM	1	99	21.31	21.31	21.23				
20	16QAM	50	0	21.31	21.35	21.15				
20	16QAM	50	24	21.32	21.28	21.23	23	0		
20	16QAM	50	50	21.30	21.29	21.21				
20	16QAM	100	0	21.34	21.37	21.29				
20	64QAM	1	0	21.41	21.42	21.32				
20	64QAM	1	49	21.35	21.34	21.26	23	0		
20	64QAM	1	99	21.28	21.28	21.21				
20	64QAM	50	0	20.93	20.96	20.97				
20	64QAM	50	24	20.93	20.87	20.83	22.5	0.5		
20	64QAM	50	50	20.91	20.92	20.77				
20	64QAM	100	0	20.89	20.94	20.78				
20	256QAM	1	0	18.91	18.94	18.96				
20	256QAM	1	49	18.91	18.86	18.88	20.5	2.5		
20	256QAM	1	99	18.92	18.92	18.76				
20	256QAM	50	0	18.91	18.90	18.76				
20	256QAM	50	24	18.91	18.82	18.80	20.5	2.5		
20	256QAM	50	50	18.88	18.80	18.80				
20	256QAM	100	0	18.83	18.85	18.90				
Channel										
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.35	21.39	21.33				
15	QPSK	1	37	21.34	21.30	21.34	23	0		
15	QPSK	1	74	21.36	21.40	21.34				
15	QPSK	36	0	21.31	21.31	21.17				
15	QPSK	36	20	21.35	21.29	21.19	23	0		
15	QPSK	36	39	21.30	21.30	21.26				
15	QPSK	75	0	21.29	21.31	21.30				
15	16QAM	1	0	21.30	21.30	21.22				
15	16QAM	1	37	21.27	21.23	21.17	23	0		
15	16QAM	1	74	21.27	21.22	21.10				
15	16QAM	36	0	21.22	21.29	21.02				
15	16QAM	36	20	21.20	21.15	21.15	23	0		
15	16QAM	36	39	21.25	21.15	21.07				
15	16QAM	75	0	21.30	21.33	21.16				
15	64QAM	1	0	21.31	21.36	21.23				
15	64QAM	1	37	21.28	21.26	21.17	23	0		
15	64QAM	1	74	21.23	21.11	21.17				
15	64QAM	36	0	20.80	20.85	20.90				
15	64QAM	36	20	20.89	20.80	20.76	22.5	0.5		
15	64QAM	36	39	20.88	20.74	20.74				
15	64QAM	75	0	18.83	18.80	18.73				
15	256QAM	1	0	18.78	18.83	18.91				
15	256QAM	1	37	18.85	18.74	18.83	20.5	2.5		
15	256QAM	1	74	18.89	18.87	18.74				
15	256QAM	36	0	18.82	18.86	18.87				
15	256QAM	36	20	18.83	18.80	18.67	20.5	2.5		
15	256QAM	36	39	18.82	18.76	18.78				
15	256QAM	75	0	18.77	18.81	18.86				
Channel										
Frequency (MHz)				37800	38000	38200				
10	QPSK	1	0	21.38	21.45	21.31				
10	QPSK	1	25	21.40	21.29	21.34	23	0		
10	QPSK	1	49	21.27	21.28	21.28				
10	QPSK	25	0	21.24	21.38	21.24				
10	QPSK	25	12	21.33	21.30	21.17	23	0		
10	QPSK	25	25	21.32	21.28	21.24				
10	QPSK	50	0	21.27	21.39	21.22				
10	16QAM	1	0	21.28	21.32	21.18				
10	16QAM	1	25	21.24	21.24	21.16	23	0		
10	16QAM	49	0	21.23	21.22	21.15				
10	16QAM	25	0	21.18	21.28	21.05				
10	16QAM	25	12	21.30	21.26	21.11	23	0		
10	16QAM	25	25	21.24	21.18	21.19				
10	16QAM	50	0	21.23	21.30	21.23				
10	64QAM	1	0	21.35	21.33	21.24				
10	64QAM	1	25	21.29	21.26	21.20	23	0		
10	64QAM	1	49	21.17	21.10	21.07				
10	64QAM	25	0	20.85	20.86	20.92				
10	64QAM	25	12	20.82	20.83	20.74	22.5	0.5		
10	64QAM	25	25	20.77	20.78	20.68				
10	64QAM	50	0	20.76	20.83	20.73				
10	256QAM	1	0	18.80	18.83	18.89				
10	256QAM	1	25	18.85	18.82	18.79	20.5	2.5		
10	256QAM	1	49	18.89	18.84	18.73				
10	256QAM	25	0	18.84	18.76	18.63				
10	256QAM	25	12	18.87	18.75	18.77	20.5	2.5		
10	256QAM	25	25	18.84	18.73	18.66				
10	256QAM	50	0	18.79	18.87	18.82				
Channel										
Frequency (MHz)				3777.5	38000	38225				
5	QPSK	1	0	21.32	21.43	21.30				
5	QPSK	1	12	21.31	21.35	21.28	23	0		
5	QPSK	1	24	21.33	21.33	21.19				
5	QPSK	12	0	21.29	21.37	21.21				
5	QPSK	12	7	21.32	21.26	21.18	23	0		
5	QPSK	12	13	21.31	21.27	21.23				
5	QPSK	25	0	21.25	21.38	21.27				
5	16QAM	1	0	21.26	21.23	21.17	23	0		
5	16QAM	1	12	21.26	21.23	21.17				
5	16QAM	1	24	21.27	21.23	21.18				
5	16QAM	12	0	21.20	21.26	21.12				
5	16QAM	12	7	21.21	21.17	21.12	23	0		
5	16QAM	12	13	21.25	21.16	21.10				
5	16QAM	25	0	21.21	21.28	21.21				
5	64QAM	1	0	21.26	21.37	21.26				
5	64QAM	1	12	21.20	21.31	21.14	23	0		
5	64QAM	1	24	21.24	21.12	21.10				
5	64QAM	12	0	20.86	20.94	20.92				
5	64QAM	12	7	20.81	20.75	20.77	22.5	0.5		
5	64QAM	12	13	20.86	20.77	20.67				
5	64QAM	25	0	20.75	20.80	20.71				
5	256QAM	1	0	18.86	18.89	18.93				
5	256QAM	1	12	18.78	18.75	18.75	20.5	2.5		
5	256QAM	1	24	18.87	18.78	18.66				
5	256QAM	12	0	18.81	18.80	18.71				
5	256QAM	12	7	18.85	18.69	18.67	20.5	2.5		
5	256QAM	12	13	18.80	18.72	18.82				
5	256QAM	25	0	18.70	18.87	18.83				

Band 41 Ant6 DSI3										
BW [MHz]	Modulation on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit [dB]	MPE (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2596	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.50	21.45	21.52	21.47	21.49		
20	QPSK	1	49	21.39	21.44	21.48	21.37	21.45	23	0
20	QPSK	1	99	21.32	21.46	21.38	21.32	21.28		
20	QPSK	50	0	21.44	21.38	21.45	21.34	21.33		
20	QPSK	50	24	21.20	21.37	21.31	21.26	21.30		
20	QPSK	50	50	21.40	21.43	21.41	21.41	21.40		
20	QPSK	100	0	21.37	21.35	21.40	21.37	21.38		
20	16QAM	1	0	21.29	21.41	21.34	21.34	21.23		
20	16QAM	1	49	21.30	21.27	21.34	21.25	21.26	23	0
20	16QAM	1	99	21.25	21.28	21.36	21.19	21.34		
20	16QAM	50	0	21.29	21.36	21.39	21.19	21.37		
20	16QAM	50	24	21.33	21.38	21.34	21.27	21.32	23	
20	16QAM	50	50	21.16	21.26	21.27	21.22	21.24		
20	16QAM	100	0	21.27	21.40	21.38	21.33	21.32		
20	64QAM	1	0	21.35	21.40	21.40	21.39	21.36		
20	64QAM	1	49	21.34	21.37	21.37	21.34	21.35	23	0
20	64QAM	1	99	21.20	21.33	21.30	21.20	21.21		
20	64QAM	50	0	20.97	20.96	20.99	20.87	20.87		
20	64QAM	50	24	20.88	20.86	20.84	20.84	20.82	22.5	0.5
20	64QAM	50	50	20.79	20.87	20.87	20.81	20.75		
20	64QAM	100	0	20.86	20.92	20.99	20.87	20.88		
20	256QAM	1	0	18.97	18.93	19.06	18.86	19.00		
20	256QAM	1	49	18.85	18.93	18.94	18.94	18.89	20.5	2.5
20	256QAM	1	99	18.88	18.90	18.93	18.79	18.86		
20	256QAM	50	0	18.87	18.86	18.85	18.79	18.83		
20	256QAM	50	24	18.68	18.89	18.79	18.83	18.67	20.5	2.5
20	256QAM	50	50	18.72	18.90	18.84	18.90	18.75		
20	256QAM	100	0	18.86	18.90	19.00	18.87	18.99		
Frequency (MHz)				39750	40185	40620	41055	41490	Time-up limit [min]	MPE (dB)
				2595.5	2546.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.42	21.41	21.47	21.42	21.48		
15	QPSK	1	37	21.32	21.42	21.41	21.30	21.35	23	0
15	QPSK	1	74	21.26	21.45	21.27	21.17	21.27		
15	QPSK	50	0	21.33	21.38	21.32	21.24	21.28		
15	QPSK	36	20	21.16	21.28	21.29	21.26	21.24	23	0
15	QPSK	36	39	21.38	21.42	21.38	21.40	21.40		
15	QPSK	75	0	21.34	21.35	21.37	21.25	21.37		
15	16QAM	1	0	21.31	21.33	21.37	21.24	21.37		
15	16QAM	1	37	21.28	21.25	21.28	21.24	21.19	23	0
15	16QAM	1	74	21.23	21.21	21.34	21.11	21.32		
15	16QAM	36	0	21.24	21.28	21.39	21.16	21.36		
15	16QAM	36	39	21.10	21.19	21.23	21.00	21.17	23	0
15	16QAM	75	0	21.17	21.37	21.30	21.32	21.30		
15	64QAM	1	0	21.26	21.33	21.28	21.38	21.31		
15	64QAM	1	37	21.33	21.32	21.27	21.26	21.27		
15	64QAM	1	74	21.23	21.21	21.34	21.10	21.15	23	0
15	64QAM	36	0	20.87	20.86	20.93	20.88	20.78		
15	64QAM	36	20	20.77	20.84	20.86	20.82	20.71	22.5	0.5
15	64QAM	36	39	20.70	20.84	20.86	20.78	20.68		
15	64QAM	75	0	20.80	20.85	20.89	20.80	20.85		
15	256QAM	1	0	18.85	18.83	19.01	18.86	19.00		
15	256QAM	1	37	18.74	18.89	18.89	18.67	18.79	20.5	2.5
15	256QAM	1	74	18.79	18.82	18.82	18.78	18.68		
15	256QAM	50	0	18.80	18.90	18.85	18.66	18.75		
15	256QAM	36	20	18.61	18.88	18.79	18.73	18.57	20.5	2.5
15	256QAM	36	39	18.61	18.87	18.75	18.84	18.73		
15	256QAM	75	0	18.89	18.87	19.00	18.87	18.94		
Channel										
Frequency (MHz)				39700	40160	40620	41086	41540	Time-up limit [min]	MPE (dB)
				2601	2547	2600	2643.6	2689.0		
10	QPSK	1	0	21.45	21.44	21.49	21.39	21.38		
10	QPSK	1	25	21.32	21.34	21.45	21.33	21.35	23	0
10	QPSK	1	49	21.24	21.37	21.29	21.21	21.21		
10	QPSK	50	0	21.33	21.37	21.32	21.27	21.30		
10	QPSK	25	12	21.17	21.25	21.22	21.16	21.27		
10	QPSK	25	25	21.38	21.34	21.37	21.35	21.38		
10	QPSK	50	0	21.36	21.25	21.29	21.27	21.37		
10	QPSK	50	25	21.20	21.37	21.24	21.30	21.31	23	0
10	16QAM	1	0	21.26	21.31	21.25	21.15	21.18		
10	16QAM	1	49	21.16	21.21	21.30	21.13	21.25		
10	16QAM	25	0	21.23	21.30	21.39	21.17	21.26	23	0
10	16QAM	25	12	21.32	21.38	21.30	21.14	21.26		
10	16QAM	25	25	21.25	21.31	21.23	21.20	21.17		
10	64QAM	1	0	21.18	21.32	21.27	21.28	21.32		
10	64QAM	1	0	21.33	21.38	21.34	21.38	21.35		
10	64QAM	1	25	21.19	21.32	21.29	21.26	21.27	23	0
10	64QAM	1	49	21.21	21.31	21.25	21.12	21.25		
10	64QAM	25	0	20.92	20.95	20.99	20.89	20.81		
10	64QAM	25	12	20.83	20.91	20.84	20.82	20.74	22.5	0.5
10	64QAM	25	25	20.74	20.76	20.80	20.78	20.73		
10	64QAM	50	0	20.85	20.80	20.80	20.82	20.83		
10	64QAM	50	12	20.76	20.81	20.85	20.76	20.79	20.5	2.5
10	256QAM	1	0	18.76	18.86	18.91	18.80	18.85		
10	256QAM	1	49	18.82	18.79	18.89	18.76	18.76	20.5	2.5
10	256QAM	25	0	18.78	18.84	18.86	18.77	18.76		
10	256QAM	25	12	18.69	18.84	18.76	18.76	18.69	20.5	2.5
10	256QAM	25	25	18.61	18.90	18.81	18.85	18.71		
10	256QAM	50	0	18.87	18.83	18.90	18.87	18.80		
Channel										
Frequency (MHz)				39675	40143	40620	41087	41569	Time-up limit [min]	MPE (dB)
				2595.5	2546.3	2593	2643.6	2689.0		
5	QPSK	1	0	21.43	21.37	21.46	21.42	21.46		
5	QPSK	1	12	21.29	21.37	21.43	21.27	21.42	23	0
5	QPSK	1	24	21.31	21.24	21.35	21.23	21.16		
5	QPSK	12	0	21.43	21.27	21.35	21.29	21.29		
5	QPSK	12	7	21.17	21.35	21.28	21.22	21.29	23	0
5	QPSK	12	13	21.32	21.21	21.34	21.29	21.38		
5	QPSK	25	0	21.36	21.27	21.38	21.31	21.38		
5	16QAM	1	0	21.17	21.40	21.27	21.30	21.19		
5	16QAM	1	12	21.18	21.39	21.35	21.25	21.18	23	0
5	16QAM	1	24	21.19	21.28	21.28	21.17	21.25		
5	16QAM	12	0	21.27	21.32	21.31	21.10	21.34		
5	16QAM	12	7	21.32	21.31	21.28	21.18	21.22	23	0
5	16QAM	12	13	21.17	21.23	21.38	21.14	21.23		
5	64QAM	1	0	21.27	21.35	21.35	21.25	21.31		
5	64QAM	1	0	21.28	21.32	21.38	21.32	21.23	23	0
5	64QAM	1	12	21.30	21.27	21.31	21.25	21.23		
5	64QAM	1	24	21.09	21.24	21.23	21.13	21.11		
5	64QAM	12	0	21.00	21.30	21.29	21.00	21.00	20.5	2.5
5	64QAM	12	7	20.87	20.92	20.83	20.80	20.73		
5	64QAM	12	13	20.79	20.81	20.77	20.75	20.74	22.5	0.5
5	256QAM	1	0	20.85	20.82	20.93	20.77	20.97		
5	256QAM	1	12	20.86	18.92	18.92	18.89	18.85	20.5	2.5
5	256QAM	1	12	18.80	18.91	18.91	18.82	18.85		
5	256QAM	1	24	18.80	18.88	18.83	18.76	18.86		
5	256QAM	12	0	18.79	18.89	18.86	18.70	18.73		
5	256QAM	12	7	18.64	18.77	18.71	18.76	18.65	20.5	2.5
5	256QAM	12	13	18.72	18.82	18.85	18.85	18.79		
5	256QAM	25	0	18.89	18.89	18.97	18.85	18.82		

		WCDMA II Ant7 DS3			WCDMA IV Ant7 DS3		
Band		WCDMA II			WCDMA IV		
TX Channel		9052	9400	9538	1312	1413	1513
RX Channel		8952	8900	8958	1337	1338	1728
Frequency (MHz)		1852.4	1860	1907.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.91	21.30	19.44	19.38
3GPP Rel 99	AMR 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.42
3GPP Rel 6	HSDPA Subclass-1	18.93	18.86	18.86	20.30	18.50	18.50
3GPP Rel 6	HSDPA Subclass-2	18.88	18.92	18.97	20.30	18.50	18.55
3GPP Rel 6	HSDPA Subclass-3	18.35	18.44	18.45	19.80	17.88	18.04
3GPP Rel 6	HSDPA Subclass-4	18.35	18.54	18.43	19.80	18.04	18.17
3GPP Rel 8	DC-HSDPA Subclass-1	18.94	18.94	18.92	20.30	18.58	18.48
3GPP Rel 8	DC-HSDPA Subclass-2	18.88	18.90	18.90	20.30	18.44	18.47
3GPP Rel 8	DC-HSDPA Subclass-3	18.37	18.41	18.41	19.80	17.82	18.04
3GPP Rel 8	DC-HSDPA Subclass-4	18.38	18.41	18.33	19.80	17.89	17.92
3GPP Rel 6	HSUPA Subclass-1	18.87	18.96	18.88	20.30	18.53	18.60
3GPP Rel 6	HSUPA Subclass-2	16.96	16.95	16.84	18.30	16.57	16.52
3GPP Rel 6	HSUPA Subclass-3	17.93	17.94	17.84	19.30	17.66	17.58
3GPP Rel 6	HSUPA Subclass-4	16.99	17.00	16.93	18.30	16.62	16.64
3GPP Rel 6	HSUPA Subclass-5	18.91	18.92	18.92	20.30	18.56	18.54
3GPP Rel 7	HSPA+ (14QAM) Subclass-1	16.46	16.46	16.42	17.80	16.04	16.09

Band 2 Ant7 DS13												
BW (MHz)	Modulation	RB State	RB Offset	Power Low Ch (dBm)	Power Middle Ch (dBm)	Power High Ch (dBm)	Turn-on time (min)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.10	20.21	20.09	21.6	0				
20	QPSK	1	49	19.92	20.16	19.99						
20	QPSK	1	99	19.84	20.04	19.91						
20	QPSK	50	0	19.99	19.15	19.12						
20	QPSK	50	24	19.01	19.02	19.14						
20	QPSK	50	50	19.02	19.08	19.06	20.6	1				
20	QPSK	100	0	19.12	19.23	19.04						
20	QPSK	1	0	19.06	19.15	19.09						
20	QPSK	1	49	19.01	19.20	19.05						
20	QPSK	1	99	19.12	19.14	19.10						
20	QPSK	50	0	19.14	19.14	19.09	19.6	2				
20	QPSK	50	24	19.15	19.15	19.17						
20	QPSK	50	50	19.10	19.20	19.15						
20	QPSK	100	0	19.14	19.23	19.07						
20	QPSK	1	0	19.01	19.27	19.04						
20	QPSK	1	49	17.99	18.27	18.03	19.6	2				
20	QPSK	1	99	18.05	18.26	18.11						
20	QPSK	50	0	17.92	17.09	17.17						
20	QPSK	50	24	17.16	17.15	17.05						
20	QPSK	50	50	17.02	17.22	17.10						
20	QPSK	100	0	16.16	16.20	16.30	18.6	3				
20	QPSK	1	0	15.19	15.33	15.25						
20	QPSK	1	99	15.22	15.29	15.28						
20	QPSK	50	0	15.26	15.42	15.32						
20	QPSK	50	24	15.21	15.48	15.21						
20	QPSK	50	50	15.22	15.38	15.19	16.6	5				
20	QPSK	100	0	15.28	15.33	15.28						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.85	20.09	20.03				21.6	0	
15	QPSK	1	37	19.67	20.01	19.92						
15	QPSK	1	74	19.67	19.99	19.85						
15	QPSK	36	0	18.89	19.10	19.87						
15	QPSK	36	24	19.82	19.04	19.03						
15	QPSK	36	36	18.86	18.94	19.87	20.6	1				
15	QPSK	75	0	18.06	19.15	19.06						
15	QPSK	75	0	18.01	19.06	18.99						
15	QPSK	1	37	18.06	19.13	19.01						
15	QPSK	1	87	18.01	19.02	18.95						
15	QPSK	36	0	18.07	18.04	17.96	19.6	2				
15	QPSK	36	20	18.01	18.02	18.05						
15	QPSK	75	0	18.06	18.06	18.06						
15	QPSK	75	0	18.04	18.11	17.94						
15	QPSK	1	0	17.80	18.22	17.80						
15	QPSK	1	8	17.86	18.21	17.86	19.6	2				
15	QPSK	1	14	17.88	18.15	17.97						
15	QPSK	36	0	16.92	17.13	16.89						
15	QPSK	36	24	17.11	17.04	17.00						
15	QPSK	36	36	16.94	17.10	16.95						
15	QPSK	75	0	16.89	17.11	16.94	18.6	3				
15	QPSK	75	0	16.88	17.09	16.99						
15	QPSK	1	37	15.19	15.20	15.21						
15	QPSK	1	74	15.26	15.22	15.32						
15	QPSK	36	0	15.30	15.42	15.30						
15	QPSK	36	20	15.19	15.41	15.22	16.6	5				
15	QPSK	36	36	15.21	15.43	15.22						
15	QPSK	75	0	15.27	15.33	15.28						
Channel												
Frequency (MHz)												
10	QPSK	1	0	18.80	19.80	19.156	21.6	0				
10	QPSK	1	25	18.80	20.04	19.84						
10	QPSK	1	49	18.89	19.90	19.82						
10	QPSK	25	0	18.87	19.94	19.87						
10	QPSK	25	12	18.87	19.98	19.05						
10	QPSK	25	25	18.88	19.03	19.01	20.6	1				
10	QPSK	50	0	18.86	19.03	19.06						
10	QPSK	50	0	18.96	19.03	19.02						
10	QPSK	1	25	18.94	19.18	19.90						
10	QPSK	1	49	18.92	19.03	19.90						
10	QPSK	25	12	18.94	17.99	17.99	19.6	2				
10	QPSK	25	25	18.90	18.10	18.03						
10	QPSK	50	0	18.97	18.08	18.07						
10	QPSK	50	0	19.05	18.10	18.00						
10	QPSK	1	0	17.95	18.21	18.00						
10	QPSK	1	8	17.91	18.13	18.08	19.6	2				
10	QPSK	1	49	17.96	18.22	18.01						
10	QPSK	25	0	16.95	17.09	16.90						
10	QPSK	25	12	17.02	17.07	17.00						
10	QPSK	25	25	16.96	17.16	17.03						
10	QPSK	50	0	16.11	15.28	15.02	18.6	3				
10	QPSK	50	0	15.11	15.21	15.16						
10	QPSK	1	25	15.19	15.21	15.19						
10	QPSK	25	0	15.33	15.20	15.18						
10	QPSK	25	12	15.11	15.41	15.20						
10	QPSK	25	25	15.14	15.20	15.11	16.6	5				
10	QPSK	50	0	15.25	15.30	15.28						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.05	20.08	20.00	21.6	0				
5	QPSK	1	12	19.85	20.06	19.93						
5	QPSK	1	24	19.85	19.91	19.87						
5	QPSK	12	7	18.96	18.97	19.05						
5	QPSK	12	13	18.95	18.96	18.99						
5	QPSK	25	0	19.01	19.11	19.08	20.6	1				
5	QPSK	1	0	19.01	19.05	19.00						
5	QPSK	1	12	18.98	19.14	19.00						
5	QPSK	1	24	19.00	19.00	19.07						
5	QPSK	12	0	18.96	18.00	17.98						
5	QPSK	12	7	18.93	18.09	18.09	19.6	2				
5	QPSK	12	13	18.93	18.14	18.05						
5	QPSK	25	0	18.90	18.10	17.94						
5	QPSK	1	0	17.80	18.17	17.80						
5	QPSK	1	12	17.80	18.15	17.88						
5	QPSK	12	0	17.81	17.02	16.96	19.6	2				
5	QPSK	12	7	17.84	17.02	16.99						
5	QPSK	12	13	17.84	17.08	17.00						
5	QPSK	25	0	16.91	17.16	16.96						
5	QPSK	25	0	15.12	15.20	15.19						
5	QPSK	1	12	15.19	15.28	15.19	18.6	3				
5	QPSK	1	24	15.19	15.21	15.26						
5	QPSK	12	0	15.32	15.30	15.09						
5	QPSK	12	7	15.31	15.32	15.07						
5	QPSK	12	13	15.21	15.31	15.12						
5	QPSK	25	0	15.14	15.21	15.19	16.6	5				
5	QPSK	25	0	15.15	15.30	15.28						
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.03	20.09	20.08	21.6	0				
3	QPSK	1	8	19.79	20.11	19.86						
3	QPSK	1	14	19.78	19.90	19.83						
3	QPSK	8	0	19.89	19.02	19.04						
3	QPSK	8	4	19.89	19.02	19.89						
3	QPSK	15	0	19.06	19.11	19.85	20.6	1				
3	QPSK	1	0	19.06	19.06	19.03						
3	QPSK	1	8	19.06	19.22	19.91						
3	QPSK	1	14	19.04	19.03	19.87						
3	QPSK	8	0	19.07	19.07	19.04	19.6	2				
3	QPSK	8	4	19.04	18.00	17.98						
3	QPSK	8	7	17.98	18.05	18.01						
3	QPSK	1	0	17.88	18.17	17.85						
3	QPSK	1	8	17.88	18.17	17.85	19.6	2				
3	QPSK	1	14	17.88	18.17	17.85						
3	QPSK	8	0	17.91	17.02	16.96						
3	QPSK	8	4	17.92	17.02	16.91						
3	QPSK	15	0	16.91	17.06	16.98	18.6	3				
3	QPSK	1	0	16.15	15.28	15.02						
3	QPSK	1	8	15.15	15.28	15.24						
3	QPSK	1	14	15.19	15.26	15.24						
3	QPSK	8	0	15.15	15.38	15.19	16.6	5				
3	QPSK	8	4	15.16	15.38	15.17						
3	QPSK	8	7	15.11	15.34	15.17						
3	QPSK	15	0	15.22	15.33	15.07						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.87	19.80	19.933	21.6	0				
1.4	QPSK	1	5	19.89	20.11	20.02						
1.4	QPSK	1	10	19.89	20.08	19.95						
1.4	QPSK	3	0	19.91	19.17	19.04						
1.4	QPSK	3	0	20.03	19.08	19.97						
1.4	QPSK	3	3	20.01	19.12	20.04	20.6	1				
1.4	QPSK	15	0	19.90	19.16	19.07						
1.4	QPSK	1	0	19.15	19.25	19.04						
1.4	QPSK	1	3	19.10	19.16	19.06						
1.4	QPSK	3	0	19.10	19.16	19.06	19.6	2				
1.4	QPSK	3	3	19.17	19.27	19.13						
1.4	QPSK	15	0	19.07	19.21	19.03						
1.4	QPSK	1	0	18.00	19.20	18.15						
1.4	QPSK	1	0	18.11	18.24	18.05	19.6	2				
1.4	QPSK	1	11	18.11	18.22	18.14						
1.4	QPSK	1	22	18.11	18.22	18.14						
1.4	QPSK	3	0	18.11	18.18	18.03						
1.4	QPSK	3	0	18.12	18.17	18.05	18.6	3				
1.4	QPSK	3	3	18.15	18.19	18.08						
1.4	QPSK	15	0	17.11	17.20	17.05						
1.4	QPSK	1	0	16.98	15.28	15.12						
1.4	QPSK	1	3	16.12	15.25	15.12	16.6	5				
1.4	QPSK	1	10	15.15	15.23	15.07						
1.4	QPSK	1	17	15.15	15.17	15.12						
1.4	QPSK	3	1	15.04	15.17	15.04						
1.4	QPSK	1	0	15.04	15.17	15.04	16.6	5				
1.4	QPSK	1	3	15.04	15.26	15.07						
1.4	QPSK	3	0	15.04	15.26	15.07						
1.4	QPSK	3	3	15.04	15.26	15.07						

Band 25 Ant7 DSI3											Band 66 Ant7 DSI3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up (MHz)	MPR (dB)			BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up (MHz)	MPR (dB)				
Channel											Channel												
Frequency (MHz)											Frequency (MHz)												
20	QPSK	1	0	19.43	19.77	19.50	21.2	0			20	QPSK	1	0	18.15	18.18	18.13	19.6	0				
20	QPSK	1	48	19.45	19.54	19.49					20	QPSK	1	48	18.09	18.05	18.07						
20	QPSK	1	96	19.48	19.48	19.34					20	QPSK	1	96	18.04	18.04	18.04						
20	QPSK	50	0	19.53	19.75	19.49	20.2	1			20	QPSK	50	0	18.11	18.11	18.09	19.6	0				
20	QPSK	50	24	19.51	19.52	19.71					20	QPSK	50	24	18.12	18.11	18.04						
20	QPSK	50	50	19.48	19.63	19.69					20	QPSK	50	50	18.10	18.10	18.04						
20	16QAM	1	0	19.51	19.59	19.56	20.2	1			20	16QAM	1	0	18.05	18.11	18.09	19.6	0				
20	16QAM	1	48	19.47	19.81	19.56					20	16QAM	1	48	17.99	17.99	17.94						
20	16QAM	1	96	19.76	19.75	17.47					20	16QAM	1	96	18.06	18.06	18.06						
20	16QAM	50	0	17.66	17.73	17.47	19.2	2			20	16QAM	50	0	17.94	18.00	17.94	19.6	0				
20	16QAM	50	24	17.88	17.59	17.81					20	16QAM	50	24	18.03	18.04	17.94						
20	16QAM	50	50	17.88	17.66	17.64					20	16QAM	50	50	17.93	18.04	17.99						
20	16QAM	100	0	17.89	17.79	17.79	19.2	2			20	16QAM	100	0	18.04	18.08	18.11	19.6	0				
20	16QAM	1	0	17.57	17.72	17.55					20	16QAM	1	0	18.04	18.08	18.11						
20	16QAM	1	48	17.47	17.74	17.41					20	16QAM	1	48	18.04	18.01	17.97						
20	16QAM	50	0	17.66	17.75	17.47	18.2	3			20	16QAM	50	0	17.69	17.69	17.69	19.6	0				
20	16QAM	50	24	19.69	19.63	19.62					20	16QAM	50	24	17.61	17.49	17.54						
20	16QAM	50	50	19.61	19.73	19.58					20	16QAM	50	50	17.59	17.65	17.59						
20	256QAM	1	0	14.67	14.85	14.77	16.2	5			20	256QAM	1	0	15.64	15.71	15.66	17.1	1				
20	256QAM	1	48	14.73	14.82	14.72					20	256QAM	1	48	15.63	15.68	15.50						
20	256QAM	1	96	14.78	14.83	14.71					20	256QAM	1	96	15.64	15.56	15.56						
20	256QAM	30	0	14.66	14.89	14.69	16.2	5			20	256QAM	30	0	15.58	15.69	15.59	17.1	1				
20	256QAM	30	24	14.63	14.83	14.61					20	256QAM	30	24	15.58	15.64	15.58						
20	256QAM	50	50	14.73	14.84	14.70					20	256QAM	50	50	15.61	15.57	15.53						
20	256QAM	100	0	14.81	14.89	14.85			20	256QAM	100	0	15.62	15.58	15.55								
Channel											Channel												
Frequency (MHz)											Frequency (MHz)												
15	QPSK	1	0	19.58	19.72	19.34	21.2	0			15	QPSK	1	0	17.15	17.18	17.23	19.6	0				
15	QPSK	1	37	19.33	19.36	19.42					15	QPSK	1	37	17.15	17.15	17.15						
15	QPSK	1	74	19.42	19.37	19.28					15	QPSK	1	74	17.18	17.97	17.99						
15	QPSK	36	0	19.25	19.66	19.38	20.2	1			15	QPSK	36	0	18.06	18.05	17.98	19.6	0				
15	QPSK	36	36	19.45	19.49	19.59					15	QPSK	36	36	18.06	18.08	17.98						
15	QPSK	36	36	19.43	19.50	19.52					15	QPSK	36	36	17.94	18.02	18.02						
15	16QAM	1	0	19.63	19.82	19.59	20.2	1			15	16QAM	1	0	17.99	18.04	18.07	19.6	0				
15	16QAM	1	37	19.40	19.70	19.50					15	16QAM	1	37	17.99	18.04	18.07						
15	16QAM	1	74	19.52	19.77	19.52					15	16QAM	1	74	17.94	17.99	18.02						
15	16QAM	36	0	17.59	17.69	17.41	19.2	2			15	16QAM	36	0	17.99	17.94	17.94	19.6	0				
15	16QAM	36	36	17.57	17.59	17.56					15	16QAM	36	36	17.86	17.97	17.96						
15	16QAM	75	0	17.46	17.67	17.63					15	16QAM	75	0	17.85	18.01	17.95						
15	16QAM	1	0	17.51	17.59	17.49	19.2	2			15	16QAM	1	0	17.97	17.89	17.89	19.6	0				
15	16QAM	1	37	17.56	17.69	17.52					15	16QAM	1	37	17.97	17.91	17.94						
15	16QAM	1	74	17.41	17.75	17.44					15	16QAM	1	74	17.89	17.89	17.94						
15	16QAM	36	0	19.42	19.58	19.47	18.2	3			15	16QAM	36	0	17.64	17.66	17.64	19.1	0.5				
15	16QAM	36	36	19.42	19.55	19.48					15	16QAM	36	36	17.64	17.66	17.64						
15	16QAM	36	36	19.42	19.55	19.43					15	16QAM	36	36	17.64	17.66	17.64						
15	16QAM	75	0	19.48	19.60	19.53	16.2	5			15	16QAM	75	0	17.46	17.59	17.54	17.1	2.5				
15	16QAM	1	0	19.64	19.65	19.58					15	16QAM	75	0	17.46	17.59	17.54						
15	16QAM	1	37	14.52	14.85	14.69					15	16QAM	37	45	15.47	15.57	15.53						
15	256QAM	1	74	14.73	14.75	14.69	16.2	5			15	256QAM	1	74	15.39	15.43	15.42	17.1	2.5				
15	256QAM	30	0	14.61	14.75	14.54					15	256QAM	30	0	15.40	15.54	15.46						
15	256QAM	30	24	14.54	14.99	14.51					15	256QAM	30	24	15.45	15.55	15.45						
15	256QAM	50	50	14.61	14.75	14.55	16.2	5			15	256QAM	50	50	15.45	15.55	15.45	17.1	2.5				
15	256QAM	50	50	14.66	14.75	14.77					15	256QAM	50	50	15.45	15.54	15.45						
15	256QAM	75	0	14.66	14.75	14.77					15	256QAM	75	0	15.45	15.54	15.45						
15	256QAM	100	0	14.81	14.89	14.85					15	256QAM	100	0	15.47	15.54	15.50						
15	256QAM	1	0	14.81	14.89	14.85					15	256QAM	1	0	15.47	15.54	15.45						
Channel											Channel												
Frequency (MHz)											Frequency (MHz)												
10	QPSK	1	0	19.54	19.64	19.47	21.2	0			10	QPSK	1	0	18.07	18.04	18.06	19.6	0				
10	QPSK	1	12	19.36	19.50	19.40					10	QPSK	1	12	18.01	17.97	17.97						
10	QPSK	1	24	19.33	19.33	19.27					10	QPSK	1	24	17.97	17.92	17.90						
10	QPSK	12	0	19.33	19.67	19.36	20.2	1			10	QPSK	12	0	17.97	17.90	17.96	19.6	0				
10	QPSK	12	7	19.39	19.49	19.56					10	QPSK	12	7	18.00	18.08	17.92						
10	QPSK	12	13	19.44	19.59	19.55					10	QPSK	12	13	18.00	18.08	17.92						
10	QPSK	25	0	19.57	19.65	19.40	20.2	1			10	QPSK	25	0	17.92	18.01	17.99	19.6	0				
10	16QAM	1	0	19.37	19.44	19.46					10	16QAM	1	0	17.96	18.01	17.99						
10	16QAM	1	12	19.42	19.72	19.44					10	16QAM	1	12	17.96	18.01	17.99						
10	16QAM	1	24	19.69	19.67	19.51	19.2	2			10	16QAM	1	24	17.96	17.85	17.93	19.6	0				
10	16QAM	12	0	17.53	17.64	17.56					10	16QAM	12	0	17.92	18.04	17.91						
10	16QAM	12	3	17.62	17.63	17.54					10	16QAM	12	3	17.92	17.95	17.95						
10	16QAM	25	0	17.54	17.62	17.59	19.2	2			10	16QAM	25	0	17.87	18.04	17.89	19.6	0				
10	16QAM	25	12	17.60	17.69	17.60					10	16QAM	25	12	17.87	17.94	17.94						
10	16QAM	25	25	17.52	17.67	17.67					10	16QAM	25	25	17.87	17.96	17.91						
10	16QAM	50	0	17.35	17.69	17.27	18.2	3			10	16QAM	50	0	17.81	17.90	17.89	19.6	0				
10	16QAM	1	0	17.52	17.64	17.50					10	16QAM	1	0	17.81	17.96	17.89						
10	16QAM	1	12	17.63	17.36	17.48					10	16QAM	1	12	17.63	17.36	17.48						
10	16QAM	12	0	19.35	19.64	19.46	16.2	5			10	16QAM	12	13	17.61	17.49	17.56	19.1	0.5				
10	16QAM	12	7	19.51	19.49	19.55					10	16QAM	12	13	17.61	17.49	17.56						
10	16QAM	12	13	19.50	19.69	19.49					10	16QAM	12	13	17.61	17.49	17.56						
10	256QAM	1	0	14.57	14.67	14.59	16.2	5			10	256QAM	1	0	15.51	15.65	15.57	17.1	2.5				
10	256QAM	1	12	14.63	14.90	14.72					10	256QAM	1	12	15.49	15.49	15.55						
10	256QAM	1	24	14.63	14.7	14.62					10	256QAM	1	24	15.48	15.48	15.54						
10	256QAM	12	0	14.74	14.73	14.62	16.2	5			10	256QAM	12	0	15.47	15.58	15.47	17.1	2.5				
10	256QAM	12	7	14.66	14.97	14.61					10	256QAM	12	7	15.45	15.53	15.46						

Band 38 Ant7 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up (ms)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.20	20.25	20.18	21.8	0		
20	QPSK	1	49	20.20	20.16	20.10				
20	QPSK	1	99	20.08	20.23	20.12				
20	QPSK	50	0	20.11	20.23	20.10				
20	QPSK	50	24	20.11	20.13	20.11				
20	QPSK	50	50	20.19	20.22	20.06	21.8	0		
20	QPSK	100	0	20.15	20.18	20.14				
20	16QAM	1	0	20.17	20.12	20.17				
20	16QAM	1	49	20.19	20.16	20.08				
20	16QAM	1	99	20.14	20.17	20.09				
20	16QAM	50	0	19.74	19.73	19.81	21.3	0.5		
20	16QAM	50	24	19.85	19.77	19.85				
20	16QAM	50	50	19.75	19.88	19.86				
20	16QAM	100	0	19.67	19.72	19.81				
20	16QAM	1	0	19.71	19.73	19.81				
20	64QAM	1	49	19.68	19.72	19.84	21.3	0.5		
20	64QAM	1	99	19.74	19.72	19.70				
20	64QAM	50	0	18.74	18.65	18.70				
20	64QAM	50	24	18.68	18.65	18.69				
20	64QAM	50	50	18.67	18.71	18.64				
20	64QAM	100	0	18.70	18.72	18.63	20.3	1.5		
20	256QAM	1	0	16.66	16.69	16.81				
20	256QAM	1	49	16.65	16.70	16.65				
20	256QAM	1	99	16.72	16.66	16.65				
20	256QAM	50	0	16.65	16.68	16.68				
20	256QAM	50	24	16.70	16.67	16.63	18.3	3.5		
20	256QAM	50	50	16.69	16.76	16.85				
20	256QAM	100	0	16.73	16.65	16.81				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				MPR (dB)
15	QPSK	1	0	20.11	20.13	20.09	21.8	0		
15	QPSK	1	37	20.14	20.03	20.03				
15	QPSK	1	74	19.92	20.12	19.98				
15	QPSK	36	0	19.98	20.08	20.04				
15	QPSK	36	20	19.98	20.00	20.04				
15	QPSK	36	39	20.13	20.15	19.91	21.8	0		
15	QPSK	75	0	20.10	20.03	20.05				
15	16QAM	1	0	20.12	20.07	20.08				
15	16QAM	1	37	20.09	20.02	20.04				
15	16QAM	1	74	20.03	20.07	20.02				
15	16QAM	36	0	19.82	19.89	19.87	21.3	0.5		
15	16QAM	36	20	19.57	19.57	19.81				
15	16QAM	36	39	19.62	19.57	19.58				
15	16QAM	75	0	19.58	19.60	19.56				
15	64QAM	1	0	19.59	19.61	19.48				
15	64QAM	1	37	19.59	19.60	19.56	21.3	0.5		
15	64QAM	1	74	19.63	19.62	19.63				
15	64QAM	36	0	18.61	18.57	18.65				
15	64QAM	36	20	18.53	18.52	18.56				
15	64QAM	36	39	18.51	18.55	18.58				
15	64QAM	75	0	18.66	18.64	18.57	20.3	1.5		
15	256QAM	1	0	16.55	16.54	16.52				
15	256QAM	1	37	16.56	16.65	16.54				
15	256QAM	1	74	16.67	16.53	16.61				
15	256QAM	36	0	16.60	16.59	16.56				
15	256QAM	36	20	16.65	16.62	16.50	18.3	3.5		
15	256QAM	36	39	16.62	16.65	16.59				
15	256QAM	75	0	16.58	16.57	16.46				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				MPR (dB)
10	QPSK	1	0	20.05	20.16	20.00	21.8	0		
10	QPSK	1	25	20.14	20.12	20.01				
10	QPSK	1	49	19.96	20.16	20.03				
10	QPSK	25	0	19.98	20.08	20.01				
10	QPSK	25	12	19.96	20.03	19.98				
10	QPSK	25	25	20.07	20.16	20.02	21.8	0		
10	QPSK	50	0	20.08	20.05	20.06				
10	16QAM	1	0	20.02	20.08	20.08				
10	16QAM	1	25	20.11	20.08	20.00				
10	16QAM	1	49	20.07	20.12	20.05				
10	16QAM	25	0	19.62	19.66	19.45	21.3	0.5		
10	16QAM	25	12	19.51	19.59	19.59				
10	16QAM	25	25	19.60	19.60	19.59				
10	16QAM	50	0	19.60	19.66	19.50				
10	64QAM	1	0	19.61	19.65	19.52				
10	64QAM	1	25	19.59	19.66	19.50	21.3	0.5		
10	64QAM	1	49	19.62	19.64	19.59				
10	64QAM	25	0	18.70	18.54	18.57				
10	64QAM	25	12	18.62	18.60	18.59				
10	64QAM	25	25	18.63	18.61	18.59				
10	64QAM	50	0	18.57	18.62	18.59	18.3	3.5		
10	256QAM	1	0	16.58	16.64	16.54				
10	256QAM	1	25	16.55	16.56	16.60				
10	256QAM	1	49	16.62	16.60	16.60				
10	256QAM	25	0	16.53	16.59	16.51				
10	256QAM	25	12	16.55	16.59	16.51	18.3	3.5		
10	256QAM	25	25	16.58	16.66	16.51				
10	256QAM	50	0	16.62	16.58	16.50				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				MPR (dB)
5	QPSK	1	0	20.09	20.04	20.09	21.8	0		
5	QPSK	1	12	20.10	20.10	19.97				
5	QPSK	1	24	19.98	20.09	19.97				
5	QPSK	12	0	19.97	20.03	20.06				
5	QPSK	12	7	20.04	20.03	19.99	21.8	0		
5	QPSK	12	13	20.04	20.14	19.97				
5	QPSK	25	0	20.10	20.02	20.06				
5	16QAM	1	0	20.08	20.04	20.06				
5	16QAM	1	12	20.09	20.03	20.06	21.8	0		
5	16QAM	1	24	20.08	20.03	20.03				
5	16QAM	12	0	19.66	19.68	19.56				
5	16QAM	12	7	19.55	19.55	19.55				
5	16QAM	13	0	19.67	19.58	19.62	21.3	0.5		
5	16QAM	25	0	19.53	19.69	19.57				
5	64QAM	1	0	19.59	19.61	19.53				
5	64QAM	1	12	19.60	19.59	19.52	21.3		0.5	
5	64QAM	1	24	19.60	19.56	19.63				
5	64QAM	13	0	18.55	18.56	18.62				
5	64QAM	12	7	18.53	18.61	18.55	20.3	1.5		
5	64QAM	12	13	18.52	18.69	18.53				
5	64QAM	25	0	18.63	18.62	18.56				
5	256QAM	1	0	16.59	16.59	16.59	18.3		3.5	
5	256QAM	1	12	16.58	16.66	16.51				
5	256QAM	1	24	16.60	16.57	16.59				
5	256QAM	12	0	16.60	16.62	16.62	18.3	3.5		
5	256QAM	12	7	16.55	16.56	16.58				
5	256QAM	12	13	16.60	16.60	16.58				
5	256QAM	25	0	16.64	16.56	16.58				

Band 42 Ant10 DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up time (dBm)	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	23.92	24.08	23.97		25	0	
20	QPSK	1	49	23.95	24.07	23.98				
20	QPSK	1	99	23.97	24.01	24.01		25	0	
20	QPSK	50	0	23.95	24.07	24.03				
20	QPSK	50	24	23.90	24.06	24.00		25	0	
20	QPSK	50	50	23.86	24.03	23.95				
20	QPSK	100	0	23.94	24.07	23.99		25	0	
20	16QAM	1	0	23.92	24.03	23.95				
20	16QAM	1	49	23.89	24.02	23.92		25	0	
20	16QAM	1	99	23.97	24.03	23.98				
20	16QAM	50	0	22.95	23.07	23.03		24	1	
20	16QAM	50	24	22.98	23.04	22.91				
20	16QAM	50	50	22.94	23.08	23.01		24	1	
20	16QAM	100	0	22.86	23.05	22.96				
20	84QAM	1	0	22.89	23.04	22.91		24	1	
20	84QAM	1	49	22.87	22.97	23.03				
20	84QAM	1	99	22.89	23.01	22.93		23	2	
20	84QAM	50	0	21.96	22.08	21.97				
20	84QAM	50	24	21.97	22.02	21.92		23	2	
20	84QAM	50	50	21.90	22.05	21.92				
20	84QAM	100	0	21.97	22.00	21.92		21	4	
20	256QAM	1	0	19.90	19.99	19.96				
20	256QAM	1	49	19.87	19.98	20.02		21	4	
20	256QAM	1	99	19.95	20.04	20.00				
20	256QAM	50	0	19.95	19.97	19.93		21	4	
20	256QAM	50	24	19.94	20.08	19.94				
20	256QAM	50	50	19.88	20.01	19.95		20	5	
20	256QAM	100	0	19.93	20.04	19.96				
Channel				43150	42590	43015	↑↑↑↑ up time	MPR (dB)		
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	23.86	23.87	23.82		25	0	
15	QPSK	1	37	23.81	24.01	23.91				
15	QPSK	1	74	23.80	23.86	23.92		25	0	
15	QPSK	36	0	23.90	23.94	23.98				
15	QPSK	36	20	23.80	23.92	23.88		25	0	
15	QPSK	36	39	23.78	23.93	23.80				
15	QPSK	75	0	23.83	23.92	23.95		25	0	
15	16QAM	1	0	23.84	23.95	23.88				
15	16QAM	1	37	23.78	23.93	23.87		25	0	
15	16QAM	1	74	23.73	23.98	23.83				
15	16QAM	36	0	22.80	22.91	22.80		24	1	
15	16QAM	36	20	22.80	22.92	22.87				
15	16QAM	36	39	22.85	22.95	22.93		24	1	
15	16QAM	75	0	22.80	22.90	22.92				
15	84QAM	1	0	22.78	22.99	22.85		24	1	
15	84QAM	1	37	22.75	22.90	22.97				
15	84QAM	1	74	22.75	22.90	22.87		23	2	
15	84QAM	36	0	21.84	22.00	21.83				
15	84QAM	36	20	21.77	21.97	21.81		23	2	
15	84QAM	36	39	21.86	21.96	21.86				
15	84QAM	75	0	21.83	21.96	21.85		21	4	
15	256QAM	1	0	19.74	19.86	19.84				
15	256QAM	1	37	19.71	19.83	19.93		21	4	
15	256QAM	1	74	19.87	19.97	19.93				
15	256QAM	36	0	19.89	19.90	19.88		21	4	
15	256QAM	36	20	19.87	20.02	19.84				
15	256QAM	36	39	19.76	19.90	19.80		20	5	
15	256QAM	75	0	19.80	19.93	19.90				
Channel				42140	42590	43040	↑↑↑↑ up time	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	23.82	23.97	23.87		25	0	
10	QPSK	1	25	23.83	23.97	23.89				
10	QPSK	1	49	23.86	23.87	23.95		25	0	
10	QPSK	25	0	23.83	23.95	23.97				
10	QPSK	25	12	23.82	23.93	23.94		25	0	
10	QPSK	25	25	23.75	23.90	23.88				
10	QPSK	50	0	23.84	23.95	23.94		25	0	
10	16QAM	1	0	23.81	23.90	23.80				
10	16QAM	1	25	23.84	23.98	23.87		25	0	
10	16QAM	1	49	23.83	23.88	23.86				
10	16QAM	25	0	22.83	22.94	22.81		24	1	
10	16QAM	25	12	22.94	22.89	22.87				
10	16QAM	25	25	22.89	22.94	22.86		24	1	
10	16QAM	50	0	22.80	22.86	22.84				
10	84QAM	1	0	22.74	22.89	22.80		24	1	
10	84QAM	1	25	22.71	22.88	22.89				
10	84QAM	1	49	22.77	22.89	22.86		23	2	
10	84QAM	25	0	21.81	21.93	21.90				
10	84QAM	25	12	21.81	21.93	21.84		23	2	
10	84QAM	25	25	21.75	22.00	21.77				
10	84QAM	50	0	21.83	21.88	21.81		21	4	
10	256QAM	1	0	19.77	19.91	19.87				
10	256QAM	1	25	19.76	19.87	19.94		21	4	
10	256QAM	1	49	19.87	19.93	19.91				
10	256QAM	25	0	19.87	19.93	19.82		21	4	
10	256QAM	25	12	19.89	19.99	19.87				
10	256QAM	25	25	19.90	19.93	19.89		20	5	
10	256QAM	50	0	19.77	19.91	19.83				
Channel				42115	42590	43065	↑↑↑↑ up time	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	23.76	23.86	23.81		25	0	
5	QPSK	1	12	23.80	23.97	23.82				
5	QPSK	1	24	23.92	23.92	23.95		25	0	
5	QPSK	12	0	23.87	23.98	23.95				
5	QPSK	12	7	23.82	24.01	23.92		25	0	
5	QPSK	12	13	23.79	23.93	23.90				
5	QPSK	25	0	23.87	23.93	23.92		25	0	
5	16QAM	1	0	23.81	23.94	23.90				
5	16QAM	1	12	23.79	23.96	23.77		25	0	
5	16QAM	1	24	23.83	23.97	23.91				
5	16QAM	12	0	22.88	22.85	22.78		24	1	
5	16QAM	12	7	22.89	22.98	22.85				
5	16QAM	12	13	22.86	23.03	22.93		24	1	
5	16QAM	25	0	22.73	22.91	22.89				
5	84QAM	1	0	22.73	22.86	22.95		24	1	
5	84QAM	1	24	22.80	22.89	22.88				
5	84QAM	12	7	21.82	21.88	21.79		23	2	
5	84QAM	12	13	21.77	21.94	21.86				
5	84QAM	25	0	21.83	21.94	21.77		21	4	
5	256QAM	1	0	19.79	19.89	19.81				
5	256QAM	1	12	19.81	19.86	19.96		21	4	
5	256QAM	1	24	19.92	19.98	19.90				
5	256QAM	12	0	19.79	19.83	19.87		20	5	
5	256QAM	12	7	19.79	19.94	19.87				
5	256QAM	12	13	19.80	19.86	19.80				
5	256QAM	25	0	19.77	19.93	19.90				

Band 48 Ant10 DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mid. Ch. / Freq.	Power High Mid. Ch. / Freq.	Power High Ch. / Freq.	Tune- up time (ms)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3590	3609	3641	3690			
20	QPSK	1	0	23.29	23.37	23.31	23.36		25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36			
20	QPSK	1	99	23.48	23.47	23.39	23.40		24	1
20	QPSK	50	0	22.48	22.61	22.50	22.47			
20	QPSK	50	24	22.47	22.51	22.49	22.54		24	1
20	QPSK	100	0	22.33	22.59	22.45	22.48			
20	QPSK	100	24	22.32	22.58	22.44	22.45		24	1
20	16QAM	0	0	22.43	22.56	22.40	22.47			
20	16QAM	1	49	22.52	22.65	22.55	22.52		23	2
20	16QAM	1	99	22.44	22.52	22.42	22.52			
20	16QAM	50	0	21.40	21.59	21.42	21.40		23	2
20	16QAM	50	24	21.41	21.59	21.41	21.41			
20	16QAM	100	0	21.42	21.49	21.48	21.41		23	2
20	16QAM	100	0	21.41	21.54	21.41	21.51			
20	16QAM	1	99	21.37	21.56	21.39	21.42		22	3
20	16QAM	50	0	20.35	20.53	20.39	20.47			
20	16QAM	50	24	20.38	20.60	20.39	20.50		22	3
20	16QAM	100	0	20.48	20.66	20.47	20.55			
20	256QAM	1	0	18.37	18.52	18.51	18.36		20	5
20	256QAM	1	49	18.47	18.55	18.52	18.48			
20	256QAM	1	99	18.49	18.47	18.41	18.39		20	5
20	256QAM	50	0	18.51	18.46	18.46	18.35			
20	256QAM	50	24	18.42	18.55	18.40	18.39		20	5
20	256QAM	100	0	18.52	18.59	18.48	18.48			
20	256QAM	100	0	18.43	18.51	18.48	18.51		19	6
20	256QAM	1	99	18.51	18.59	18.42	18.50			
Channel				55675	5609	5642	5692.5			
Frequency (MHz)				3657.5	3699	3742	3792.5			
15	QPSK	1	0	23.21	23.48	23.22	23.22		25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26			
15	QPSK	1	74	23.40	23.35	23.33	23.25		24	1
15	QPSK	36	0	22.30	22.30	22.30	22.30			
15	QPSK	36	20	22.32	22.41	22.35	22.40		24	1
15	QPSK	36	39	22.23	22.44	22.34	22.38			
15	QPSK	75	0	22.18	22.42	22.30	22.38		24	1
15	16QAM	0	0	22.24	22.42	22.30	22.35			
15	16QAM	1	37	22.44	22.48	22.42	22.40		23	2
15	16QAM	1	74	23.21	22.38	22.35	22.38			
15	16QAM	36	0	21.35	21.54	21.38	21.35		23	2
15	16QAM	36	20	21.37	21.45	21.40	21.48			
15	16QAM	75	0	21.37	21.63	21.26	21.40		23	2
15	16QAM	1	0	21.37	21.46	21.34	21.39			
15	16QAM	1	37	21.28	21.37	21.26	21.31		22	3
15	16QAM	36	0	21.23	21.41	21.29	21.35			
15	16QAM	36	0	20.29	20.37	20.29	20.33		22	3
15	16QAM	36	39	20.42	20.55	20.33	20.37			
15	16QAM	75	0	20.32	20.51	20.38	20.32		20	5
15	256QAM	1	0	20.37	20.47	20.35	20.38			
15	256QAM	1	0	18.30	18.48	18.38	18.27		20	5
15	256QAM	1	37	18.31	18.46	18.41	18.36			
15	256QAM	1	74	18.35	18.38	18.30	18.24		20	5
15	256QAM	36	0	18.38	18.41	18.46	18.45			
15	256QAM	36	39	18.40	18.43	18.31	18.23		20	5
15	256QAM	36	39	18.30	18.50	18.44	18.33			
15	256QAM	75	0	18.31	18.45	18.38	18.35		19	6
15	256QAM	1	99	18.47	18.55	18.42	18.47			
Channel				55900	56816	56185	56969			
Frequency (MHz)				3700.0	3807.6	37495	38069			
10	QPSK	1	0	23.23	23.44	23.15	23.26		25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22			
10	QPSK	1	49	23.41	23.34	23.31	23.27		24	1
10	QPSK	25	0	22.37	22.37	22.37	22.42			
10	QPSK	25	12	22.37	22.39	22.35	22.40		24	1
10	QPSK	25	25	22.23	22.49	22.37	22.38			
10	QPSK	50	0	22.22	22.41	22.25	22.32		24	1
10	16QAM	0	0	22.24	22.44	22.25	22.32			
10	16QAM	1	49	22.33	22.46	22.32	22.41		23	2
10	16QAM	25	0	21.30	21.52	21.30	21.36			
10	16QAM	25	12	21.36	21.47	21.31	21.49		23	2
10	16QAM	25	25	21.37	21.38	21.44	21.28			
10	16QAM	50	0	21.38	21.47	21.25	21.37		23	2
10	16QAM	50	0	21.38	21.40	21.34	21.44			
10	16QAM	1	25	21.32	21.34	21.27	21.36		22	3
10	16QAM	49	21.25	21.26	21.46	21.24	21.35			
10	16QAM	25	0	20.35	20.45	20.35	20.36		22	3
10	16QAM	25	12	20.31	20.44	20.32	20.39			
10	16QAM	25	25	20.34	20.55	20.41	20.37		20	5
10	16QAM	50	0	20.30	20.43	20.33	20.25			
10	16QAM	50	25	20.34	20.43	20.33	20.25		20	5
10	16QAM	1	25	18.34	18.45	18.48	18.35			
10	256QAM	1	49	18.41	18.42	18.30	18.27		20	5
10	256QAM	25	0	18.38	18.42	18.41	18.31			
10	256QAM	25	12	18.46	18.45	18.35	18.32		20	5
10	256QAM	25	25	18.41	18.48	18.36	18.48			
10	256QAM	1	0	18.29	18.47	18.41	18.44		19	6
10	256QAM	1	49	18.55	18.61	18.47	18.57			
Channel				56285	56810	56170	56715			
Frequency (MHz)				3812.5	3901.0	37497.5	38072.5			
5	QPSK	1	0	23.22	23.42	23.11	23.20		25	0
5	QPSK	1	12	23.32	23.33	23.25	23.24			
5	QPSK	1	24	23.41	23.33	23.24	23.25		24	1
5	QPSK	12	0	22.32	22.50	22.36	22.41			
5	QPSK	12	13	22.40	22.49	22.34	22.42		24	1
5	QPSK	25	0	22.27	22.47	22.34	22.35			
5	16QAM	0	0	22.34	22.51	22.31	22.40		24	1
5	16QAM	1	0	22.39	22.47	22.31	22.41			
5	16QAM	12	0	22.28	22.47	22.32	22.47		23	2
5	16QAM	12	0	21.20	21.48	21.33	21.31			
5	16QAM	12	7	21.34	21.55	21.31	21.41		23	2
5	16QAM	12	13	21.33	21.49	21.41	21.52			
5	16QAM	25	0	21.29	21.42	21.29	21.34		23	2
5	16QAM	1	12	21.30	21.43	21.31	21.34			
5	16QAM	1	24	21.31	21.52	21.30	21.31		22	3
5	16QAM	1	0	20.24	20.43	20.29	20.38			
5	16QAM	12	0	20.25	20.43	20.29	20.38		22	3
5	16QAM	25	0	20.20	20.54	20.31	20.20			
5	256QAM	1	0	18.49	18.37	18.38	18.34		20	5
5	256QAM	12	0	18.32	18.43	18.42	18.38			
5	256QAM	24	0	18.30	18.38	18.32	18.25		20	5
5	256QAM	12	0	18.40	18.41	18.35	18.34			
5	256QAM	12	7	18.37	18.50	18.32	18.26		20	5
5	256QAM	12	13	18.44	18.44	18.32	18.38			
5	256QAM	25	0	18.39	18.43	18.34	18.38		20	5
5	256QAM	25	0	18.39	18.43	18.34	18.38			

Reduced Power Mode for DS14_Main PA

GSM850 AnT0 DS14									
GSM850 AnT0	Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	128	189	251	128	189	251	128	189	251
Frequency (MHz)	824.2	824.4	824.6	824.2	824.4	824.6	824.2	824.4	824.6
GSM 1 Tx slot	33.51	33.25	33.61	34.00	24.51	24.25	24.61	25.00	
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00	
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00	
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94	
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00	
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00	
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00	
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94	
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	18.00	
WCDMA V AnT0 DS14									
Band	WCDMA V			Time-up Limit (dBm)					
	4132	4162	4233						
TX Channel	4132	4162	4233	4132	4162	4233	4132	4162	4233
Rx Channel	4357	4407	4458	4357	4407	4458	4357	4407	4458
Frequency (MHz)	898.4	898.4	868.6	898.4	898.4	868.6	898.4	898.4	868.6
3GPP Rel 99	AMR 12.2kops	24.31	24.40	24.26	25.00				
3GPP Rel 99	RMC 12.2kops	24.41	24.43	24.37	25.00				
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00				
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00				
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50				
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50				
3GPP Rel 8	DC-HSDPA Subtest-1	23.48	23.40	23.37	24.00				
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00				
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50				
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.98	23.50				
3GPP Rel 6	HSPA Subtest-1	23.39	23.43	23.36	24.00				
3GPP Rel 6	HSPA Subtest-2	21.46	21.45	21.33	22.00				
3GPP Rel 6	HSPA Subtest-3	22.38	22.39	22.38	23.00				
3GPP Rel 6	HSPA Subtest-4	21.44	21.47	21.39	22.00				
3GPP Rel 6	HSPA Subtest-5	23.42	23.41	23.30	24.00				
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50				

Band 5 Ant0 DSI4										Band 12 Ant0 DSI4										Band 13 Ant0 DSI4										Band 17 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)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel 23495										Channel 23495										Channel 23500										Channel 23780									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	25.17	25.25	25.18				10	QPSK	1	0	25.10	25.16	25.14					10	QPSK	1	0	25.10	25.16	25.14				10	QPSK	1	0	25.19	25.27	25.22		
10	QPSK	1	25	25.04	25.20	25.08	25.7	0		10	QPSK	1	25	25.04	25.20	25.12	25.7	0			10	QPSK	1	25	25.04	25.20	25.12	25.7	0		10	QPSK	1	25	25.07	25.15	25.20	25.7	0
10	QPSK	1	49	25.04	25.17	25.14				10	QPSK	1	49	25.04	25.08	25.01					10	QPSK	1	49	25.04	25.13	25.12				10	QPSK	1	49	25.14	25.13	25.12		
10	QPSK	25	0	24.13	24.28	24.12				10	QPSK	25	0	24.16	24.18	24.16					10	QPSK	25	0	24.16	24.18	24.16				10	QPSK	25	0	24.24	24.28	24.22		
10	QPSK	25	12	24.06	24.24	24.13	24.7	1		10	QPSK	25	12	24.00	24.15	24.13	24.7	1			10	QPSK	25	12	24.04	24.08	24.02	24.7	1		10	QPSK	25	12	24.07	24.22	24.19	24.7	1
10	QPSK	25	25	24.03	24.10	24.08				10	QPSK	25	25	24.01	24.08	24.02					10	QPSK	25	25	24.01	24.08	24.01				10	QPSK	25	25	24.04	24.13	24.14		
10	QPSK	50	0	24.22	24.27	24.21				10	QPSK	50	0	24.15	24.16	24.09					10	QPSK	50	0	24.15	24.16	24.09				10	QPSK	50	0	24.18	24.25	24.16		
10	16QAM	1	0	24.12	24.26	24.23				10	16QAM	1	0	24.09	24.14	24.12					10	16QAM	1	0	24.06	24.13	24.12				10	16QAM	1	0	24.22	24.16	24.25		
10	16QAM	1	25	24.05	24.14	24.09	24.7	1		10	16QAM	1	25	23.92	24.13	24.08	24.7	1			10	16QAM	1	25	24.13	24.10	24.13	24.7	1		10	16QAM	1	25	24.00	24.18	24.14	24.7	1
10	16QAM	1	49	24.00	24.18	24.18				10	16QAM	1	49	24.02	24.06	24.05					10	16QAM	1	49	24.07	24.09	24.13				10	16QAM	1	49	24.06	24.09	24.13		
10	16QAM	25	0	23.18	23.27	23.18				10	16QAM	25	0	23.12	23.20	23.19					10	16QAM	25	0	23.17	23.20	23.17				10	16QAM	25	0	23.15	23.28	23.28		
10	16QAM	25	12	23.06	23.30	23.12	23.7	2		10	16QAM	25	12	23.05	23.29	23.11	23.7	2			10	16QAM	25	12	23.04	23.29	23.11	23.7	2		10	16QAM	25	12	23.02	23.19	23.19		
10	16QAM	25	25	22.99	23.10	23.14				10	16QAM	25	25	22.99	23.02	23.02	23.7	2			10	16QAM	25	25	23.02	23.08	23.13	23.7	2		10	16QAM	25	25	23.08	23.07	23.13	23.7	2
10	16QAM	50	0	23.28	23.21	23.24				10	16QAM	50	0	23.11	23.16	23.14					10	16QAM	50	0	23.18	23.20	23.18				10	16QAM	50	0	23.23	23.28	23.18		
10	64QAM	1	0	23.08	23.27	23.27				10	64QAM	1	0	23.12	23.20	23.10					10	64QAM	1	0	23.20	23.20	23.10				10	64QAM	1	0	23.24	23.25	23.21		
10	64QAM	1	25	22.99	23.09	23.06	23.7	2		10	64QAM	1	25	22.96	23.17	23.08	23.7	2			10	64QAM	1	25	23.13	23.13	23.13	23.7	2		10	64QAM	1	25	23.08	23.19	23.13	23.7	2
10	64QAM	1	49	23.01	23.22	23.21				10	64QAM	1	49	23.03	23.09	23.02					10	64QAM	1	49	23.10	23.10	23.10				10	64QAM	1	49	23.12	23.19	23.08		
10	64QAM	25	0	22.13	22.22	22.08				10	64QAM	25	0	22.18	22.18	22.16					10	64QAM	25	0	22.20	22.21	22.21				10	64QAM	25	0	22.23	22.21	22.21		
10	64QAM	25	12	22.00	22.25	22.11	22.7	3		10	64QAM	25	12	21.96	22.15	22.17	22.7	3			10	64QAM	25	12	22.00	22.20	22.19	22.7	3		10	64QAM	25	12	22.02	22.19	22.20	22.7	3
10	64QAM	25	25	22.06	22.21	22.14				10	64QAM	25	25	21.99	22.10	22.01					10	64QAM	25	25	22.06	22.20	22.17	22.7	3		10	64QAM	25	25	22.03	22.17	22.13	22.7	3
10	64QAM	50	0	22.16	22.23	22.18				10	64QAM	50	0	22.19	22.19	22.04					10	64QAM	50	0	22.16	22.30	22.07				10	64QAM	50	0	22.32	22.30	22.07		
10	256QAM	1	0	20.16	20.33	20.15				10	256QAM	1	0	20.13	20.14	20.14					10	256QAM	1	0	20.15	20.15	20.15				10	256QAM	1	0	20.24	20.18	20.20		
10	256QAM	1	25	20.06	20.20	20.08	20.7	5		10	256QAM	1	25	20.03	20.13	20.18	20.7	5			10	256QAM	1	25	20.08	20.17	20.20	20.7	5		10	256QAM	1	25	20.12	20.17	20.28	20.7	5
10	256QAM	1	49	20.07	20.10	20.05				10	256QAM	1	49	20.00	20.12	19.99					10	256QAM	1	49	20.07	20.20	20.07				10	256QAM	1	49	20.09	20.20	20.07		
10	256QAM	25	0	20.26	20.32	20.21				10	256QAM	25	0	20.13	20.13	20.08					10	256QAM	25	0	20.16	20.26	20.18				10	256QAM	25	0	20.16	20.26	20.18		
10	256QAM	25	12	20.09	20.24	20.21	20.7	5		10	256QAM	25	12	20.13	20.20	20.13	20.7	5			10	256QAM	25	12	20.24	20.20	20.31	20.7	5		10	256QAM	25	12	20.20	20.31	20.27	20.7	5
10	256QAM	25	25	20.01	20.13	20.05				10	256QAM	25	25	19.86	20.08	20.03					10	256QAM	25	25	20.04	20.04	20.04				10	256QAM	25	25	19.92	20.19	20.14		
10	256QAM	50	0	20.03	20.17	20.18				10	256QAM	50	0	20.06	20.05	20.10					10	256QAM	50	0	20.02	20.02	20.02				10	256QAM	50	0	20.10	20.13	20.17		
Channel 23505										Channel 23505										Channel 23505										Channel 23785									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
5	QPSK	1	0	25.08	25.14	25.10				5	QPSK	1	0	25.07	25.07	25.07					5	QPSK	1	0	25.09	25.10	25.08				5	QPSK	1	0	25.07	25.14	25.13		
5	QPSK	1	12	24.98	25.09	25.04	25.7	0		5	QPSK	1	12	24.89	25.03	24.99	25.7	0			5	QPSK	1	12	24.97	24.98	24.99	25.7	0		5	QPSK	1	12	25.05	25.07	25.07	25.7	0
5	QPSK	1	24	24.95	25.04	25.06				5	QPSK	1	24	24.94	25.02	24.91					5	QPSK	1	24	24.96	25.02	24.94				5	QPSK	1	24	25.11	25.08	25.03		
5	QPSK	12	0	24.10	24.23	24.05				5	QPSK	12	0	24.13	24.04	24.04					5	QPSK	12	0	24.13	24.12	24.14				5	QPSK	12	0	24.14	24.17	24.08		
5	QPSK	12	7	23.97	24.17	24.09	24.7	1		5	QPSK	12	7	23.95	24.05	24.06	24.7	1			5	QPSK	12	7	24.10	24.04	24.14				5	QPSK	12	7	23.93	24.20	24.11		
5	QPSK	12	13	23.96	24.00	24.00				5	QPSK	12	13	23.97	23.99	23.92					5	QPSK	12	13	23.93	23.93	23.92				5	QPSK	12	13	23.97	24.03	24.05	24.7	1
5	QPSK	25	0	24.18	24.17	24.09				5	QPSK	25	0	24.02	24.04	23.95					5	QPSK	25	0	24.09	24.05	24.13				5	QPSK	25	0	24.07	24.18	24.14		
5	16QAM	1	0	24.01	24.14	24.15	24.7	1		5	16QAM	1	0	24.03	24.09	24.07					5	16QAM	1	0	23.94	23.95	24.03				5	16QAM	1	0	24.14	24.12	24.19		
5	16QAM	1	12	24.01	24.10	24.04				5	16QAM	1	12	23.82	24.11	24.05	24.7	1			5	16QAM	1	12	24.04	24.12	24.07	24.7	1		5	16QAM	1	12	23.95	24.14	24.00	24.7	1
5	16QAM	1	24	23.91	24.07	24.14				5	16QAM	1	24	24.00	23.95	24.02					5	16QAM	1	24	24.03	23.95	24.00				5	16QAM	1	24	23.94	24.00	24.06		
5	16QAM	12	0	23.10	23.20	23.05				5	16QAM	12	0	23.10	23.16	23.16					5	16QAM	12	0	23.14	23.16	23.17				5	16QAM	12	0	23.03	23.23	23.25		
5	16QAM	12	7	23.05	23.17	23.02	23.7	2		5	16QAM	12	7	22.90	23.06	23.06	23.7	2			5	16QAM	12	7	22.95	23.00	23.04	23											

Band 26 Ant0 DS14										Band 71 Ant0 DS14												
BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune- up limit (dBm)	MPR (dB)		BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune- up limit (dBm)	MPR (dB)				
Channel										Channel												
Frequency (MHz)										Frequency (MHz)												
15	QPSK	1	0	24.95	25.04	25.01	25.7	0		20	QPSK	1	0	25.13	25.14	25.06	25.7	0				
15	QPSK	1	37	24.82	24.94	24.97				20	QPSK	1	49	25.06	25.11	25.08						
15	QPSK	1	74	24.89	24.90	24.89				20	QPSK	1	99	25.12	25.07	25.08						
15	QPSK	36	0	24.07	24.12	23.98	24.7	1		20	QPSK	50	0	24.17	24.19	24.11	24.7	1				
15	QPSK	36	20	23.84	24.04	23.99				20	QPSK	50	24	24.01	24.16	24.02						
15	QPSK	36	39	23.84	23.95	23.99				20	QPSK	50	50	24.12	24.13	23.90						
15	QPSK	75	0	23.98	24.05	23.94	24.7	1		20	QPSK	100	0	24.12	24.10	24.10	23.7	2				
15	16QAM	1	0	24.08	24.00	24.11				20	16QAM	1	0	24.07	24.13	24.14						
15	16QAM	1	37	23.74	24.03	23.95				20	16QAM	1	49	24.07	24.14	23.99						
15	16QAM	1	74	23.87	23.85	23.91	23.7	2		20	16QAM	1	99	24.08	24.12	23.97	23.7	2				
15	16QAM	36	0	22.83	23.10	23.12				20	16QAM	50	0	23.19	23.13	23.06						
15	16QAM	36	20	22.87	22.98	22.97				20	16QAM	50	24	23.07	23.13	23.00						
15	16QAM	36	39	22.86	22.92	22.98	23.7	2		20	16QAM	50	50	23.16	23.15	22.98	23.7	2				
15	16QAM	75	0	23.04	23.04	22.93				20	16QAM	100	0	23.11	23.17	23.15						
15	64QAM	1	0	23.02	23.00	23.00				20	64QAM	1	0	23.09	23.12	23.18						
15	64QAM	1	37	22.87	23.00	22.91	23.7	2		20	64QAM	1	49	23.12	23.14	23.02	23.7	2				
15	64QAM	1	74	22.92	22.96	22.91				20	64QAM	1	99	23.08	23.13	22.99						
15	64QAM	36	0	22.05	21.99	22.03				20	64QAM	50	0	22.20	22.18	22.08						
15	64QAM	36	20	21.78	22.04	22.14	22.7	3		20	64QAM	50	24	22.00	22.12	22.01	22.7	3				
15	64QAM	36	39	21.85	21.87	21.92				20	64QAM	50	50	22.08	22.16	22.06						
15	64QAM	75	0	22.13	22.12	21.84				20	64QAM	100	0	22.17	22.13	22.07						
15	256QAM	1	0	20.05	19.97	20.05	20.7	5		20	256QAM	1	0	20.13	20.12	20.13	20.7	5				
15	256QAM	1	37	19.91	19.97	20.05				20	256QAM	1	49	20.07	20.17	20.03						
15	256QAM	1	74	19.92	19.96	19.89				20	256QAM	1	99	20.13	20.24	20.01						
15	256QAM	36	0	19.92	20.12	20.00	20.7	5		20	256QAM	50	0	20.12	20.12	20.13	20.7	5				
15	256QAM	36	20	19.97	20.08	20.01				20	256QAM	50	24	20.06	20.10	20.17						
15	256QAM	36	39	19.66	20.00	19.92				20	256QAM	50	50	20.10	20.15	19.96						
15	256QAM	75	0	19.94	19.88	19.94	20.7	5		20	256QAM	100	0	19.94	19.90	19.91	20.7	5				
Channel			26740	26865	26990	Tune-up limit			MPR (dB)	Channel			13317	13322	13332	Tune-up limit			MPR (dB)			
Frequency (MHz)			819	831.5	844						Frequency (MHz)			67.1	67.6	68.1						
10	QPSK	1	0	24.83	24.92	24.97	25.7	0		15	QPSK	1	0	25.01	25.04	24.97	25.7	0				
10	QPSK	1	25	24.72	24.90	24.86				15	QPSK	1	37	24.96	25.01	24.91						
10	QPSK	1	49	24.80	24.85	24.82				15	QPSK	1	74	25.03	25.04	24.94						
10	QPSK	25	0	24.05	24.10	23.87	24.7	1		15	QPSK	36	0	24.07	24.13	24.03	24.7	1				
10	QPSK	25	12	23.81	23.96	23.95				15	QPSK	36	24	24.07	24.07	23.83						
10	QPSK	25	25	23.76	23.89	23.98				15	QPSK	36	39	24.05	23.98	23.95						
10	QPSK	50	0	23.93	24.00	23.94	24.7	1		15	QPSK	75	0	24.00	24.09	24.07	24.7	1				
10	16QAM	1	0	24.01	23.92	24.10				15	16QAM	1	0	24.00	24.02	24.00						
10	16QAM	1	25	23.64	23.94	23.87				15	16QAM	1	37	23.95	24.06	23.88						
10	16QAM	1	49	23.84	23.83	23.91	23.7	2		15	16QAM	1	49	23.97	24.07	23.93	23.7	2				
10	16QAM	25	0	22.89	22.99	23.09				15	16QAM	36	0	23.12	23.07	23.04						
10	16QAM	25	12	22.81	22.87	22.87				15	16QAM	36	20	23.01	23.03	22.87						
10	16QAM	25	25	22.77	22.89	22.96	23.7	2		15	16QAM	36	39	23.12	23.05	22.94	23.7	2				
10	16QAM	50	0	22.98	23.01	22.98				15	16QAM	75	0	23.04	23.10	23.05						
10	64QAM	1	0	22.96	22.89	23.00				15	64QAM	1	0	23.03	23.08	23.14						
10	64QAM	1	25	22.76	22.93	22.80	22.7	3		15	64QAM	1	49	23.06	23.17	22.91	22.7	3				
10	64QAM	1	49	22.86	22.87	22.90				15	64QAM	1	74	22.95	23.00	22.89						
10	64QAM	25	0	21.70	21.88	21.95				15	64QAM	36	0	22.16	22.08	22.05						
10	64QAM	25	12	21.70	21.99	22.04	22.7	3		15	64QAM	36	20	21.88	21.96	21.95	22.7	3				
10	64QAM	25	25	21.76	21.96	21.81				15	64QAM	36	39	22.05	22.13	21.82						
10	64QAM	50	0	22.12	22.11	21.73				15	64QAM	75	0	22.13	22.07	21.83						
10	256QAM	1	0	19.95	19.90	20.00	20.7	5		15	256QAM	1	0	20.09	20.14	20.11	20.7	5				
10	256QAM	1	25	19.89	19.97	20.02				15	256QAM	1	37	19.96	20.14	20.00						
10	256QAM	1	49	19.85	19.88	19.79				15	256QAM	1	74	19.99	20.05	19.90						
10	256QAM	25	0	19.80	20.00	19.97	20.7	5		15	256QAM	36	0	20.01	20.02	20.05	20.7	5				
10	256QAM	25	12	19.92	20.04	19.98				15	256QAM	36	20	20.01	20.07	20.09						
10	256QAM	25	25	19.60	19.92	19.85				15	256QAM	36	39	20.06	20.01	20.00						
10	256QAM	50	0	19.83	19.85	19.82	20.7	5		15	256QAM	75	0	19.94	20.04	19.93	20.7	5				
Channel			26715	26865	27015	Tune-up limit			MPR (dB)	Channel			133172	133272	133422	Tune-up limit			MPR (dB)			
Frequency (MHz)			816.5	831.5	846.5						Frequency (MHz)			668	678	693						
5	QPSK	1	0	24.91	24.93	24.97	25.7	0		10	QPSK	1	0	25.04	25.04	24.95	25.7	0				
5	QPSK	1	12	24.80	24.89	24.87				10	QPSK	1	25	25.00	25.01	24.94						
5	QPSK	1	24	24.77	24.81	24.78				10	QPSK	1	49	25.06	25.07	24.94						
5	QPSK	12	0	24.03	24.12	23.93	24.7	1		10	QPSK	25	0	24.12	24.15	24.07	24.7	1				
5	QPSK	12	7	23.84	24.02	23.87				10	QPSK	25	12	23.98	24.04	23.98						
5	QPSK	12	13	23.83	23.95	23.88				10	QPSK	25	25	24.00	23.99	23.94						
5	QPSK	25	0	23.91	24.04	23.94	24.7	1		10	QPSK	50	0	24.03	24.05	24.04	24.7	1				
5	16QAM	1	0	24.01	23.95	24.02				10	16QAM	1	0	24.03	24.07	24.09						
5	16QAM	1	12	23.73	23.92	23.87				10	16QAM	1	25	23.95	24.04	23.88						
5	16QAM	1	24	23.82	23.79	23.86	23.7	2		10	16QAM	1	49	23.96	24.06	23.93	23.7	2				
5	16QAM	12	0	22.91	23.00	23.07				10	16QAM	25	0	23.15	22.99	22.96						
5	16QAM	12	7	22.83	22.92	22.97				10	16QAM	25	12	22.93	23.03	22.89						
5	16QAM	12	13	22.85	22.87	22.88	22.7	3		10	16QAM	25	25	23.03	23.03	22.87	22.7	3				
5	16QAM	25	0	23.00	22.96	22.90				10	16QAM	25	39	23.04	23.00	22.92						
5	64QAM	1	0	22.98	22.88	22.98				10	64QAM	1	0	22.99	22.99	23.08						
5	64QAM	1	12	22.85	22.93	22.88	23.7	2		10	64QAM	1	25	23.00	23.10	22.95	23.7	2				
5	64QAM	1	24	22.84	22.95	22.87				10	64QAM	1	49	22.99	22.99	22.86						
5	64QAM	12	0	22.03	21.87	21.82				10	64QAM	25	0	22.14	22.08	21.99						
5	64QAM	12	7	21.72	21.92	22.02	22.7	3		10	64QAM	25	12	22.15	22.18	21.98	22.7	3				
5	64QAM	12	13	21.73	21.92	21.80				10	64QAM	25	25	22.19	22.17	22.02						
5	64QAM	25	0	22.05	22.01	21.74				10	64QAM	50	0	22.06	22.04	21.96						
5	256QAM	1	0	19.84	19.92	20.05	20.7	5		10	256QAM	1	0	20.06	20.15	20.01	20.7	5				
5	256QAM	1	12	19.88	19.92	20.04				10	256QAM	1	25	20.02	20.12							

GSM850 Ant1 DSI 4									
GSM850		Burst Average Power (dBm)			Time-up		Frame-Average Power (dBm)		
TX Channel		128	189	251	Limit		128	189	251
Frequency (MHz)		124.2	180.4	148.8	(dBm)		124.2	180.4	148.8
GSM 1 Tx slot		33.03	33.23	33.12	34.05		24.05	24.25	24.12
GPRS 1 Tx slot		33.12	33.25	33.18	34.60		24.12	24.25	24.18
GPRS 2 Tx slots		30.28	30.37	30.31	31.60		24.28	24.37	24.31
GPRS 3 Tx slots		26.23	26.47	26.82	29.80		23.97	24.21	24.26
GPRS 4 Tx slots		26.77	27.09	26.79	28.60		23.77	24.09	23.79
EDGE 1 Tx slot		27.12	27.23	27.16	28.90		18.12	18.23	18.16
EDGE 2 Tx slot		23.79	24.01	23.70	25.50		17.79	18.01	17.70
EDGE 3 Tx slot		21.91	22.11	21.86	23.50		17.65	17.85	17.62
EDGE 4 Tx slots		19.91	20.12	20.19	21.50		16.91	17.12	17.19
WCDMA V Ant1 DSI 4									
Band		WCDMA V			Time-up				
TX Channel		4152	4162	4233	Limit				
Rx Channel		4357	4407	4458	(dBm)				
Frequency (MHz)		182.4	183.4	186.8					
3GPP Rel 99 AMR 12.2Kbps		20.38	20.48	20.37	21.50				
3GPP Rel 99 RMC 12.2Kbps		20.48	20.51	20.45	21.50				
3GPP Rel 6 HSDPA Subtest-1		19.48	19.53	19.47	20.50				
3GPP Rel 6 HSDPA Subtest-2		19.53	19.50	19.44	20.50				
3GPP Rel 6 HSDPA Subtest-3		19.02	19.06	18.94	20.00				
3GPP Rel 6 HSDPA Subtest-4		18.94	18.88	18.93	20.00				
3GPP Rel 8 DC-HSDPA Subtest-1		19.42	19.51	19.42	20.50				
3GPP Rel 8 DC-HSDPA Subtest-2		19.53	19.49	19.48	20.50				
3GPP Rel 8 DC-HSDPA Subtest-3		19.01	19.06	18.96	20.00				
3GPP Rel 8 DC-HSDPA Subtest-4		19.01	19.04	18.96	20.00				
3GPP Rel 6 HSUPA Subtest-1		19.45	19.48	19.42	20.50				
3GPP Rel 6 HSUPA Subtest-2		17.48	17.54	17.41	18.50				
3GPP Rel 6 HSUPA Subtest-3		18.52	18.49	18.42	19.50				
3GPP Rel 6 HSUPA Subtest-4		17.50	17.46	17.41	18.50				
3GPP Rel 6 HSUPA Subtest-5		19.45	19.49	19.43	20.50				
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		18.93	17.07	16.90	18.00				

Band 5 Ant1 DSI 4										
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.08	21.11	21.06				
10	QPSK	1	25	21.04	21.04	20.97	21.7	0		
10	QPSK	49	20.99	21.00	21.00					
10	QPSK	25	0	20.97	21.08	21.00				
10	QPSK	25	12	21.04	21.01	21.02				
10	QPSK	25	25	20.95	20.98	20.95	21.7	0		
10	QPSK	50	0	21.06	21.07	20.99				
10	16QAM	1	0	20.95	21.00	20.96				
10	16QAM	1	25	20.96	20.91	20.89	21.7	0		
10	16QAM	1	49	20.89	20.89	20.95				
10	16QAM	25	0	20.94	20.95	20.92				
10	16QAM	25	12	21.00	20.96	20.91				
10	16QAM	25	25	20.84	20.91	20.91	21.7	0		
10	16QAM	50	0	20.96	20.97	20.96				
10	16QAM	1	0	21.00	20.99	21.01				
10	16QAM	1	25	20.91	20.95	20.86	21.7	0		
10	16QAM	1	49	20.94	20.93	20.89				
10	16QAM	25	0	20.92	20.94	20.94				
10	16QAM	25	12	21.02	20.91	20.88				
10	16QAM	25	25	20.90	20.90	20.93	21.7	0		
10	16QAM	50	0	20.99	20.97	20.93				
10	256QAM	1	0	20.07	20.16	20.03				
10	256QAM	1	25	20.08	20.05	20.01	20.7	1		
10	256QAM	1	49	19.97	19.94	19.96				
10	256QAM	25	0	20.00	20.10	19.96				
10	256QAM	25	12	20.01	20.01	19.98				
10	256QAM	25	25	19.91	19.99	19.92	20.7	1		
10	256QAM	50	0	20.04	20.09	19.96				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	20.98	20.98	21.01				
5	QPSK	1	25	20.90	20.90	20.85	21.7	0		
5	QPSK	1	24	20.94	20.95	20.89				
5	QPSK	12	0	20.93	20.98	20.94				
5	QPSK	12	7	21.01	20.92	20.99	21.7	0		
5	QPSK	12	13	20.92	20.95	20.92				
5	QPSK	25	0	21.02	20.94	20.94				
5	16QAM	1	0	20.90	20.98	20.87				
5	16QAM	1	12	20.87	20.88	20.76	21.7	0		
5	16QAM	1	24	20.84	20.84	20.82				
5	16QAM	12	0	20.87	20.84	20.85				
5	16QAM	12	7	20.94	20.86	20.86	21.7	0		
5	16QAM	12	13	20.81	20.80	20.87				
5	16QAM	25	0	20.90	20.89	20.90				
5	16QAM	1	0	20.94	20.91	20.99				
5	16QAM	1	12	20.80	20.93	20.89	21.7	0		
5	16QAM	1	24	20.89	20.89	20.83				
5	16QAM	12	0	20.87	20.86	20.91				
5	16QAM	12	7	20.97	20.87	20.84	21.7	0		
5	16QAM	12	13	20.78	20.84	20.85				
5	16QAM	25	0	20.91	20.86	20.83				
5	256QAM	1	0	20.02	20.11	19.95				
5	256QAM	1	12	19.94	19.95	19.97	20.7	1		
5	256QAM	1	24	19.94	19.97	19.95				
5	256QAM	12	0	19.88	20.07	19.93				
5	256QAM	12	7	19.95	19.97	19.95	20.7	1		
5	256QAM	12	13	19.87	19.92	19.87				
5	256QAM	25	0	19.96	20.06	19.93				
Channel				20415	20515	20615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	835.5	845.5				
3	QPSK	1	0	21.00	21.06	21.04				
3	QPSK	1	8	21.01	20.92	20.88	21.7	0		
3	QPSK	1	14	20.89	20.97	20.87				
3	QPSK	8	0	20.88	20.99	20.88				
3	QPSK	8	4	20.91	20.93	20.89	21.7	0		
3	QPSK	8	7	20.97	20.87	20.86				
3	QPSK	15	0	21.03	20.96	20.94				
3	16QAM	1	0	20.84	20.94	20.89				
3	16QAM	1	8	20.91	20.84	20.80	21.7	0		
3	16QAM	1	14	20.79	20.75	20.87				
3	16QAM	8	0	20.90	20.82	20.85				
3	16QAM	8	4	20.97	20.87	20.84	21.7	0		
3	16QAM	8	7	20.77	20.88	20.87				
3	16QAM	15	0	20.95	20.87	20.86				
3	16QAM	1	0	20.89	20.88	20.79	21.7	0		
3	16QAM	1	14	20.96	20.86	20.80				
3	16QAM	8	0	20.87	20.81	20.84				
3	16QAM	8	4	20.88	20.86	20.75	21.7	0		
3	16QAM	8	7	20.72	20.82	20.83				
3	16QAM	15	0	20.97	20.95	20.88				
3	256QAM	1	0	20.02	20.03	19.96				
3	256QAM	1	8	20.03	20.00	19.87	20.7	1		
3	256QAM	1	14	19.94	19.84	19.92				
3	256QAM	8	0	19.90	20.05	19.92				
3	256QAM	8	4	19.89	19.91	19.90	20.7	1		
3	256QAM	8	7	19.83	19.86	19.83				
3	256QAM	15	0	19.93	20.06	20.01				
Channel				20407	20507	20607	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.05	21.01	20.96				
1.4	QPSK	1	3	21.01	20.92	20.93				
1.4	QPSK	1	5	20.90	20.94	20.87	21.7	0		
1.4	QPSK	3	0	20.89	21.06	20.91				
1.4	QPSK	3	1	21.02	20.97	20.92				
1.4	QPSK	3	3	20.87	20.87	20.82				
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0		
1.4	16QAM	1	0	20.86	20.93	20.94				
1.4	16QAM	1	3	20.87	20.82	20.79				
1.4	16QAM	1	14	20.76	20.92	20.89	21.7	0		
1.4	16QAM	3	0	20.83	20.90	20.79				
1.4	16QAM	3	1	20.89	20.83	20.87				
1.4	16QAM	3	3	20.76	20.79	20.81				
1.4	16QAM	6	0	20.96	20.94	20.83	21.7	0		
1.4	16QAM	1	0	20.94	20.93	20.95				
1.4	16QAM	1	3	20.78	20.91	20.83	21.7	0		
1.4	16QAM	1	5	20.88	20.91	20.83				
1.4	16QAM	3	0	20.88	20.92	20.84				
1.4	16QAM	3	1	20.92	20.88	20.82				
1.4	16QAM	3	3	20.70	20.84	20.88				
1.4	16QAM	6	0	20.99	20.97	20.80	21.7	0		
1.4	256QAM	1	0	19.97	20.09	19.97				
1.4	256QAM	1	3	20.04	20.03	19.90				
1.4	256QAM	1	5	19.86	19.88	19.85	20.7	1		
1.4	256QAM	3	0	19.89	20.04	19.87				
1.4	256QAM	3	1	19.86	19.93	19.86				
1.4	256QAM	3	3	19.89	19.87	19.80				
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1		

Band 12 Ant1 DSI 4										
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711.5				
10	QPSK	1	0	25.35	25.41	25.28				
10	QPSK	1	25	25.22	25.37	25.15	25.7	0		
10	QPSK	1	49	25.25	25.35	25.19				
10	QPSK	25	0	24.32	24.45	24.29				
10	QPSK	25	12	24.23	24.39	24.20			24.7	1
10	QPSK	25	12	24.23	24.39	24.20				
10	QPSK	50	0	24.32	24.42	24.25				
10	16QAM	1	0	24.32	24.42	24.25				
10	16QAM	1	25	24.17	24.40	24.12	24.7	1		
10	16QAM	1	49	24.24	24.34	24.22				
10	16QAM	25	0	23.27	23.42	23.22				
10	16QAM	25	12	23.27	23.42	23.22				
10	16QAM	25	12	23.27	23.42	23.22			23.7	2
10	16QAM	25	25	23.21	23.35	23.25				
10	16QAM	50	0	23.32	23.41	23.30				
10	64QAM	1	0	23.36	23.45	23.39				
10	64QAM	1	25	23.18	23.38	23.09	23.7			
10	64QAM	1	49	23.22	23.37	23.18				
10	64QAM	25	0	22.35	22.45	22.32				
10	64QAM	25	12	22.18	22.40	22.26	22.7	3		
10	64QAM	25	25	22.30	22.38	22.24				
10	64QAM	50	0	22.33	22.38	22.27				
10	256QAM	1	0	20.35	20.46	20.25				
10	256QAM	1	25	20.28	20.45	20.17	20.7	5		
10	256QAM	1	49	20.29	20.40	20.17				
10	256QAM	25	0	20.33	20.43	20.35				
10	256QAM	25	12	20.26	20.45	20.37	20.7	5		
10	256QAM	25	25	20.21	20.36	20.23				
10	256QAM	50	0	20.21	20.30	20.20				
Frequency (MHz)				701.5	707.5	711.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	25.29	25.32	25.18				
5	QPSK	1	24	25.13	25.31	25.06	25.7	0		
5	QPSK	1	24	25.11	25.28	25.14				
5	QPSK	12	0	24.28	24.42	24.15				
5	QPSK	12	0	24.28	24.42	24.15			24.7	1
5	QPSK	12	13	24.13	24.24	24.06				
5	QPSK	25	0	24.21	24.35	24.21				
5	16QAM	1	0	24.19	24.35	24.19				
5	16QAM	1	12	24.05	24.35	24.06				
5	16QAM	1	24	24.15	24.31	24.14				
5	16QAM	1	24	24.15	24.31	24.14				
5	16QAM	12	7	23.22	23.35	23.03	23.7	2		
5	16QAM	12	13	23.13	23.23	23.05				
5	16QAM	25	0	23.26	23.34	23.25				
5	64QAM	1	0	23.32	23.34	23.15				
5	64QAM	1	12	23.15	23.34	23.03	23.7	2		
5	64QAM	1	12	23.15	23.34	23.03				
5	64QAM	12	0	22.25	22.36	22.23				
5	64QAM	12	7	22.12	22.29	22.14	22.7	3		
5	64QAM	12	13	22.22	22.32	22.24				
5	64QAM	25	0	22.28	22.32	22.15				
5	256QAM	1	0	20.25	20.41	20.20				
5	256QAM	1	12	20.17	20.41	20.05	20.7	5		
5	256QAM	1	24	20.26	20.29	20.08				
5	256QAM	12	0	20.19	20.37	20.32				
5	256QAM	12	7	20.24	20.38	20.15	20.7	5		
5	256QAM	12	13	20.19	20.30	20.06				
5	256QAM	25	0	20.17	20.33	20.15				
Channel				23005	23005	23105	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	25.27	25.36	25.22				
3	QPSK	1	8	25.10	25.34	25.01	25.7	0		
3	QPSK	1	14	25.11	25.21	25.17				
3	QPSK	8	0	24.25	24.33	24.21				
3	QPSK	8	7	24.09	24.29	24.10	24.7	1		
3	QPSK	8	7	24.16	24.33	24.17				
3	16QAM	1	0	24.22	24.38	24.25				
3	16QAM	1	0	24.19	24.29	24.22				
3	16QAM	1	8	24.10	24.37	24.03	24.7	1		
3	16QAM	1	14	24.24	24.29	24.19				
3	16QAM	8	0	23.21	23.29	23.25				
3	16QAM	8	4	23.19	23.35	23.05	23.7	2		
3	16QAM	8	7	23.15	23.30	23.20				
3	16QAM	15	0	23.19	23.31	23.27				
3	64QAM	1	0	23.28	23.39	23.12	23.7	2		
3	64QAM	1	0	23.28	23.39	23.12				
3	64QAM	1	14	23.13	23.33	23.11				
3	64QAM	8	0	22.24	22.35	22.23				
3	64QAM	8	4	22.14	22.28	22.18	22.7			
3	64QAM	8	7	22.27	22.32	22.16				
3	256QAM	1	0	22.21	22.35	22.23				
3	256QAM	1	8	20.19	20.35	20.15	20.7	5		
3	256QAM	1	14	20.27	20.29	20.10				
3	256QAM	8	0	20.20	20.36	20.28				
3	256QAM	8	4	20.15	20.43	20.25	20.7	5		
3	256QAM	8	7	20.18	20.34	20.20				
3	256QAM	15	0	20.08	20.32	20.10				
Channel				23017	23002	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	25.24	25.35	25.22				
1.4	QPSK	1	3	25.12	25.31	25.07	25.7	0		
1.4	QPSK	1	5	25.12	25.32	25.12				
1.4	QPSK	3	0	24.24	24.35	24.18				
1.4	QPSK	3	1	25.05	25.23	24.95				
1.4	QPSK	3	3	24.99	25.19	25.01				
1.4	QPSK	6	0	24.20	24.32	24.28	24.7	1		
1.4	16QAM	1	0	24.28	24.29	24.21				
1.4	16QAM	1	3	24.08	24.37	24.01	24.7	1		
1.4	16QAM	5	0	24.10	24.20	24.17				
1.4	16QAM	3	0	24.07	24.24	24.18	24.7	1		
1.4	16QAM	3	1	24.18	24.24	24.13				
1.4	16QAM	3	3	24.04	24.33	23.92				
1.4	16QAM	6	0	23.20	23.31	23.20	23.7	2		
1.4	16QAM	6	3	23.16	23.32	23.05				
1.4	64QAM	1	5	23.19	23.33	23.08	23.7	2		
1.4	64QAM	3	0	23.16	23.23	23.06				
1.4	64QAM	3	3	23.28	23.19	22.84				
1.4	64QAM	3	3	23.26	23.25	22.91				
1.4	64QAM	1	3	23.20	23.21	22.97	22.7	3		
1.4	256QAM	1	0	20.28	20.34	20.13				
1.4	256QAM	1	3	20.15	20.42	20.09				
1.4	256QAM	1	5	20.23	20.35	20.20	20.7	5		
1.4	256QAM	3	0	20.25	20.37	20.32				
1.4	256QAM	3	3	20.18	20.38	20.18				
1.4	256QAM	3	3	20.11	20.38	19.97				
1.4	256QAM	6	0	20.12	20.32	20.11	20.7	1		

Band 26 Ant1 DSI 4										Band 71 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)		BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel										Channel											
Frequency (MHz)										Frequency (MHz)											
15	QPSK	1	0	22.52	22.68	22.48	22.7	0		20	QPSK	1	49	25.28	25.35	25.32	25.4	0			
15	QPSK	1	37	22.50	22.54	22.53					20	QPSK	1	99	25.24	25.30			25.29		
15	QPSK	1	74	22.51	22.61	22.49					20	QPSK	50	0	24.28	24.40			24.32		
15	QPSK	36	20	22.52	22.60	22.50	22.7	0		20	QPSK	50	24	24.29	24.32	24.31	24.4	1			
15	QPSK	36	36	22.56	22.61	22.45					20	QPSK	100	0	24.30	24.38			24.28		
15	QPSK	75	0	22.50	22.58	22.48					20	16QAM	1	0	24.30	24.37			24.26		
15	16QAM	1	0	22.52	22.57	22.56	22.7	0		20	16QAM	1	49	24.24	24.30	24.24	24.4	1			
15	16QAM	1	37	22.53	22.56	22.51					20	16QAM	1	99	24.18	24.26			24.22		
15	16QAM	1	74	22.52	22.56	22.56					20	16QAM	50	0	24.17	24.28			24.28		
15	16QAM	36	20	22.57	22.63	22.55	22.7	0		20	16QAM	50	24	23.34	23.31	23.26	23.4	2			
15	16QAM	36	36	22.50	22.62	22.50					20	16QAM	50	50	23.16	23.23			23.16		
15	16QAM	75	0	22.47	22.60	22.44					20	16QAM	100	0	23.34	23.37			23.33		
15	84QAM	1	0	22.57	22.63	22.54	22.7	0		20	84QAM	1	0	23.29	23.22	23.26	23.4	2			
15	84QAM	1	37	22.55	22.56	22.45					20	84QAM	1	49	23.20	23.24			23.27		
15	84QAM	1	74	22.57	22.54	22.48					20	84QAM	1	99	23.17	23.22			23.23		
15	84QAM	36	0	22.58	22.60	22.48	22.7	0		20	84QAM	50	0	22.25	22.40	22.35	22.4	2			
15	84QAM	36	20	22.51	22.64	22.46					20	84QAM	50	24	22.32	22.34			22.34		
15	84QAM	36	36	22.50	22.59	22.49					20	84QAM	50	50	22.12	22.24			22.22		
15	84QAM	75	0	22.56	22.54	22.51	20.7	2		20	84QAM	100	0	22.32	22.38	22.24	20.4	5			
15	256QAM	1	0	20.57	20.53	20.47					20	256QAM	1	0	20.30	20.38			20.28		
15	256QAM	1	37	20.51	20.53	20.54					20	256QAM	1	49	20.33	20.37			20.30		
15	256QAM	1	74	20.55	20.56	20.44	20.7	2		20	256QAM	1	99	20.15	20.30	20.19	20.4	5			
15	256QAM	36	0	20.48	20.62	20.54					20	256QAM	50	0	20.30	20.31			20.27		
15	256QAM	36	20	20.59	20.61	20.49					20	256QAM	50	24	20.35	20.22			20.23		
15	256QAM	36	36	20.58	20.60	20.55	20.7	2		20	256QAM	50	50	20.21	20.31	20.24	20.4	5			
15	256QAM	75	0	20.48	20.62	20.51					20	256QAM	100	0	20.20	20.29			20.17		
Channel										Channel											
Frequency (MHz)										Frequency (MHz)											
10	QPSK	1	0	22.42	22.38	22.39	22.7	0		15	QPSK	1	37	25.18	25.26	25.22	25.4	0			
10	QPSK	1	25	22.39	22.39	22.49					15	QPSK	1	74	25.10	25.17			25.17		
10	QPSK	1	49	22.37	22.51	22.44					15	QPSK	36	20	24.23	24.19			24.27		
10	QPSK	25	12	22.41	22.49	22.37	22.7	0		15	QPSK	36	39	24.11	24.23	24.08	24.4	1			
10	QPSK	25	25	22.44	22.47	22.30					15	QPSK	75	0	24.23	24.24			24.24		
10	QPSK	50	0	22.53	22.51	22.39					15	16QAM	1	0	24.22	24.35			24.14		
10	16QAM	1	0	22.41	22.50	22.52	22.7	0		15	16QAM	1	37	24.19	24.18	24.20	24.4	1			
10	16QAM	1	25	22.41	22.43	22.40					15	16QAM	1	74	24.18	24.25			24.25		
10	16QAM	1	49	22.44	22.48	22.42					15	16QAM	36	0	23.14	23.25			23.20		
10	16QAM	25	0	22.48	22.56	22.39	22.7	0		15	16QAM	36	20	23.25	23.21	23.18	23.4	2			
10	16QAM	25	12	22.50	22.49	22.42					15	16QAM	36	39	23.23	23.19			23.14		
10	16QAM	25	25	22.37	22.51	22.41					15	16QAM	75	0	23.27	23.33			23.27		
10	16QAM	50	0	22.36	22.40	22.38	22.7	0		15	16QAM	75	24	23.25	23.20	23.16	23.4	2			
10	84QAM	1	0	22.43	22.52	22.41					15	84QAM	1	37	23.21	23.26			23.18		
10	84QAM	1	25	22.48	22.48	22.33					15	84QAM	1	74	23.12	23.26			23.18		
10	84QAM	1	49	22.43	22.43	22.32	22.7	0		15	84QAM	1	99	23.17	23.14	23.14	23.4	2			
10	84QAM	25	0	22.42	22.50	22.39					15	84QAM	36	0	22.14	22.27			22.25		
10	84QAM	25	12	22.38	22.53	22.41					15	84QAM	36	20	22.27	22.30			22.22		
10	84QAM	25	25	22.45	22.51	22.41	22.7	0		15	84QAM	36	39	22.09	22.20	22.09	22.4	3			
10	84QAM	50	0	22.42	22.45	22.42					15	84QAM	75	0	22.18	22.31			22.15		
10	256QAM	1	0	20.51	20.42	20.37					15	256QAM	1	0	20.25	20.30			20.19		
10	256QAM	1	25	20.44	20.45	20.47	20.7	2		15	256QAM	1	37	20.25	20.25	20.18	20.4	5			
10	256QAM	1	49	20.43	20.43	20.37					15	256QAM	1	74	20.13	20.20			20.09		
10	256QAM	25	0	20.36	20.49	20.50					15	256QAM	36	0	20.27	20.29			20.20		
10	256QAM	25	12	20.54	20.56	20.39	20.7	2		15	256QAM	36	20	20.25	20.28	20.13	20.4	5			
10	256QAM	25	25	20.51	20.54	20.39					15	256QAM	36	39	20.16	20.21			20.14		
10	256QAM	50	0	20.37	20.53	20.40					15	256QAM	75	0	20.07	20.20			20.09		
Channel										Channel											
Frequency (MHz)										Frequency (MHz)											
5	QPSK	1	0	22.36	22.44	22.41	22.7	0		10	QPSK	1	0	25.14	25.27	25.27	25.4	0			
5	QPSK	1	12	22.43	22.45	22.38					10	QPSK	1	25	25.17	25.28			25.24		
5	QPSK	1	24	22.41	22.47	22.44					10	QPSK	25	0	24.34	24.27			24.28		
5	QPSK	12	7	22.48	22.49	22.45	22.7	0		10	QPSK	25	12	24.25	24.25	24.18	24.4	1			
5	QPSK	12	13	22.41	22.51	22.40					10	QPSK	25	25	24.02	24.17			24.10		
5	QPSK	25	0	22.47	22.45	22.43					10	QPSK	50	0	24.25	24.30			24.20		
5	16QAM	1	0	22.42	22.45	22.44	22.7	0		10	16QAM	1	0	24.25	24.30	24.20	24.4	1			
5	16QAM	1	12	22.38	22.43	22.42					10	16QAM	1	25	24.13	24.17			24.19		
5	16QAM	1	24	22.38	22.41	22.45					10	16QAM	1	49	24.11	24.13			24.17		
5	16QAM	12	0	22.46	22.58	22.42	22.7	0		10	16QAM	25	0	23.21	23.26	23.22	23.4	2			
5	16QAM	12	7	22.50	22.52	22.46					10	16QAM	25	12	23.29	23.27			23.21		
5	16QAM	12	13	22.40	22.50	22.46					10	16QAM	25	25	23.10	23.18			23.02		
5	16QAM	25	0	22.37	22.54	22.38	22.7	0		10	16QAM	25	13	23.25	23.21	23.14	23.4	2			
5	84QAM	1	0	22.42	22.51	22.44					10	84QAM	1	0	23.20	23.38			23.14		
5	84QAM	1	12	22.46	22.43	22.36					10	84QAM	1	25	23.08	23.22			23.15		
5	84QAM	1	24	22.48	22.43	22.37	22.7	0		10	84QAM	1	49	23.13	23.11	23.18	23.4	2			
5	84QAM	12	0	22.51	22.50	22.44					10	84QAM	25	0	22.18	22.35			22.31		
5	84QAM	12	7	22.45	22.53	22.43					10	84QAM	25	25	22.03	22.17			22.31		
5	84QAM	12	13	22.42	22.45	22.42	22.7	0		10	84QAM	25	25	22.03	22.17	22.31	22.4	3			
5	84QAM	25	0	22.42	22.49	22.46					10	84QAM	50	0	22.29	22.34			22.13		
5	256QAM	1	0	20.47	20.47	20.32					10	256QAM	1	0	20.17	20.36			20.17		
5	256QAM	1	12	20.40	20.40	20.46	20.7	2		10	256QAM	1	25	20.21	20.31	20.19	20.4	5			
5	256QAM	1	24	20.40	20.43	20.37					10	256QAM	1	49	20.12	20.26			20.05		
5	256QAM	12	0	20.38	20.57	20.49					10	256QAM	25	0	20.18	20.29			20.15		
5	256QAM	12	7	20.55	20.51	20.44	20.7	2		10	256QAM	25	12	20.34	20.32	20.17	20.4	5			
5	256QAM	12	13	20.50	20.49	20.46					10	256QAM	25	25	20.17	20.18			20.15		
5	256QAM	25	0	20.42	20.57	20.45					10	256QAM	50	0	20.10	20.24			20.13		
Channel										Channel											
Frequency (MHz)																					

GSM1900 Ant5 DSI 4									
GSM1900		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1600.2	1690	1690.8		1600.2	1690	1690.8	
GSM 1 Tx slot		20.63	20.84	20.79	31.00	20.63	20.84	20.79	22.00
GPRS 1 Tx slot		20.68	20.01	20.13	31.00	20.68	21.01	21.13	22.00
GPRS 2 Tx slot		26.32	26.73	26.75	28.00	20.32	20.73	20.75	22.00
GPRS 3 Tx slot		25.44	25.72	25.34	26.20	21.18	21.46	21.08	21.94
GPRS 4 Tx slot		23.40	23.50	23.65	25.00	20.40	20.90	20.65	22.00
EDGE 1 Tx slot		25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slot		22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slot		21.55	21.54	21.54	22.20	17.29	17.29	17.29	17.94
EDGE 4 Tx slot		19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00
WCDMA II Ant5 DSI 4									
Band		WCDMA II			Time-up Limit (dBm)	WCDMA IV			Time-up Limit (dBm)
TX Channel		9262	9409	9538		1312	1413	1513	
Rx Channel		9682	9800	9938		1337	1638	1738	
Frequency (MHz)		1824.6	1840	1807.6		1724.6	1724.6	1724.6	
3GPP Rel 99	AMR 12.2Kbps	24.29	24.25	24.14	25.00	24.05	24.16	24.18	25.00
3GPP Rel 99	RMC 12.2Kbps	24.28	24.35	24.22	25.00	24.17	24.27	24.26	25.00
3GPP Rel 6	HSOPA Subtest-1	23.26	23.30	23.27	24.00	23.15	23.25	23.21	24.00
3GPP Rel 6	HSOPA Subtest-2	23.33	23.37	23.17	24.00	23.15	23.23	23.25	24.00
3GPP Rel 6	HSOPA Subtest-3	22.81	22.83	22.77	23.50	22.64	22.80	22.82	23.50
3GPP Rel 6	HSOPA Subtest-4	22.74	22.80	22.71	23.50	22.75	22.79	22.75	23.50
3GPP Rel 8	DC-HSOPA Subtest-1	23.25	23.35	23.25	24.00	23.15	23.27	23.25	24.00
3GPP Rel 8	DC-HSOPA Subtest-2	23.25	23.37	23.17	24.00	23.13	23.30	23.21	24.00
3GPP Rel 8	DC-HSOPA Subtest-3	22.75	22.83	22.72	23.50	22.69	22.73	22.72	23.50
3GPP Rel 8	DC-HSOPA Subtest-4	22.83	22.89	22.66	23.50	22.72	22.76	22.75	23.50
3GPP Rel 6	HSUPA Subtest-1	23.31	23.34	23.21	24.00	23.15	23.22	23.27	24.00
3GPP Rel 6	HSUPA Subtest-2	21.26	21.30	21.24	22.00	21.14	21.21	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	22.22	22.35	22.19	23.00	22.20	22.29	22.29	23.00
3GPP Rel 6	HSUPA Subtest-4	21.27	21.39	21.22	22.00	21.18	21.27	21.28	22.00
3GPP Rel 6	HSUPA Subtest-5	23.24	23.41	23.21	24.00	23.14	23.33	23.30	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.75	20.86	20.73	21.50	20.70	20.77	20.72	21.50

Band 38 Ant5 DSI 4												Band 41 Ant5 DSI 4												Band 42 Ant5 DSI 4												Band 48 Ant5 DSI 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up freq (MHz)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up freq (MHz)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up freq (MHz)	MPR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up freq (MHz)	MPR (dB)			
Channel Frequency (MHz)												Channel Frequency (MHz)												Channel Frequency (MHz)												Channel Frequency (MHz)													
20	QPSK	1	0	25.16	25.35	25.11	24.93	24.95				20	QPSK	1	0	24.90	24.85	24.93	24.93	24.93				20	QPSK	1	0	24.76	25.03	24.90	24.85	24.85				15	QPSK	1	0	25.03	25.28	24.96	24.93	24.93					
20	QPSK	1	48	25.15	25.28	25.15			25.7	0		20	QPSK	1	48	25.05	25.07	25.01	24.93	24.93	25.7	0			20	QPSK	1	48	24.95	25.05	25.10	24.93	24.93	26	0		15	QPSK	1	37	25.11	25.21	25.09			25.7	0		
20	QPSK	1	96	25.09	25.30	25.12						20	QPSK	1	96	25.01	24.98	25.09	24.97	24.97				20	QPSK	1	96	24.95	25.04	25.08				26	0		15	QPSK	1	74	25.02	25.14	24.97						
20	QPSK	50	0	24.22	24.31	24.21						20	QPSK	50	0	24.16	24.13	24.19	24.05	24.05				20	QPSK	50	0	24.07	24.04	24.08				26	0		15	QPSK	1	74	24.97	24.97	24.97						
20	QPSK	50	24	24.18	24.33	24.23						20	QPSK	50	24	24.18	24.30	24.24	24.18	24.18				20	QPSK	50	24	24.10	24.27	24.18				26	0		15	QPSK	36	0	24.01	24.01	24.01						
20	QPSK	50	50	24.18	24.30	24.19						20	QPSK	50	50	24.05	24.11	24.13	24.03	24.03	24.7	1			20	QPSK	50	50	24.02	24.14	24.07				25	1		15	QPSK	36	36	24.04	24.22	24.13					
20	QPSK	100	0	24.22	24.31	24.20						20	QPSK	100	0	24.13	24.09	24.16	23.96	23.95				20	QPSK	100	0	24.08	24.14	24.05				25	1		15	QPSK	36	36	24.04	24.22	24.13						
20	QPSK	100	24	24.20	24.36	24.25						20	QPSK	100	24	24.10	24.15	24.17	24.03	24.06	24.7	1			20	QPSK	100	24	24.05	24.21	24.06				25	1		15	QPSK	75	0	23.25	23.35	23.25					
20	QPSK	1	48	24.24	24.33	24.21			24.7	1		20	QPSK	1	48	24.10	24.12	24.16	23.99	24.01	24.7	1			20	QPSK	1	48	24.00	24.07	24.03				26	0		15	QPSK	75	0	23.23	23.30	23.23					
20	QPSK	1	96	24.22	24.36	24.24						20	QPSK	1	96	24.15	24.18	24.14	24.03	24.06				20	QPSK	1	96	24.02	24.14	24.07				25	1		15	QPSK	75	0	23.21	23.28	23.19						
20	QPSK	50	0	23.25	23.35	23.25						20	QPSK	50	0	23.16	23.07	23.08	23.07	23.07				20	QPSK	50	0	23.05	23.15	23.05				25	1		15	QPSK	75	0	23.19	23.26	23.19						
20	QPSK	50	24	23.23	23.35	23.28						20	QPSK	50	24	23.14	23.13	23.19	23.06	23.09	23.7	2			20	QPSK	50	24	23.08	23.19	23.03				26	0		15	QPSK	75	0	23.17	23.24	23.17					
20	QPSK	50	50	23.21	23.38	23.28						20	QPSK	50	50	23.14	23.07	23.19	23.06	23.09				20	QPSK	50	50	23.09	23.22	23.04				25	1		15	QPSK	75	0	23.15	23.22	23.06						
20	QPSK	100	0	23.27	23.39	23.26						20	QPSK	100	0	23.16	23.09	23.20	23.02	23.02				20	QPSK	100	0	23.09	23.22	23.03				25	1		15	QPSK	75	0	23.13	23.20	23.03						
20	QPSK	1	48	23.23	23.30	23.23						20	QPSK	1	48	23.10	23.16	23.13	23.02	23.03	23.7	2			20	QPSK	1	48	23.09	23.19	23.03				26	0		15	QPSK	75	0	23.10	23.17	23.03					
20	QPSK	1	48	23.21	23.35	23.26						20	QPSK	1	48	23.10	23.18	23.10	23.01	23.06				20	QPSK	1	48	23.08	23.14	23.02				26	0		15	QPSK	75	0	23.07	23.14	23.02						
20	QPSK	1	96	23.24	23.31	23.24						20	QPSK	1	96	23.13	23.17	23.14	23.02	23.06				20	QPSK	1	96	23.10	23.17	23.06				25	1		15	QPSK	75	0	23.07	23.14	23.01						
20	QPSK	50	0	22.27	22.30	22.27						20	QPSK	50	0	22.12	22.18	22.08	21.96	22.06				20	QPSK	50	0	22.09	22.17	21.98				25	1		15	QPSK	75	0	22.09	22.16	21.98						
20	QPSK	50	24	22.21	22.37	22.27						20	QPSK	50	24	22.11	22.13	22.19	22.06	21.99	22.7	3			20	QPSK	50	24	22.03	22.17	22.04				26	0		15	QPSK	75	0	22.06	22.13	22.04					
20	QPSK	50	50	22.18	22.35	22.29						20	QPSK	50	50	22.10	22.12	22.04	21.98	22.04				20	QPSK	50	50	22.08	22.16	22.02				25	1		15	QPSK	75	0	22.05	22.12	21.98						
20	QPSK	100	0	22.28	22.33	22.21						20	QPSK	100	0	22.13	22.11	22.08	21.97	22.05				20	QPSK	100	0	22.02	22.17	22.02				25	1		15	QPSK	75	0	22.02	22.09	21.97						
20	QPSK	1	0	20.26	20.32	20.27						20	QPSK	1	0	20.09	20.13	20.13	19.96	20.03	20.7	5			20	QPSK	1	0	20.05	20.15	20.09				25	1		15	QPSK	75	0	20.05	20.12	19.96					
20	QPSK	1	96	20.22	20.40	20.27						20	QPSK	1	96	20.16	20.15	20.18	20.00	20.00				20	QPSK	1	96	20.09	20.15	20.02				26	0		15	QPSK	75	0	20.04	20.14	20.07						
20	QPSK	50	0	20.18	20.35	20.27						20	QPSK	50	0	20.14	20.11	20.11	19.96	19.98				20	QPSK	50	0	20.08	20.18	19.97				25	1		15	QPSK	75	0	20.03	20.14	20.07						
20	QPSK	50	24	20.26	20.32	20.27						20	QPSK	50	24	20.14	20.07	20.14	20.07	19.98				20	QPSK	50	24	20.02	20.14	20.01				26	0		15	QPSK	75	0	20.02	20.14	20.01						
20	QPSK	50	50	20.26	20.34	20.30						20	QPSK	50	50	20.17	20.13	20.17	19.93	19.93				20	QPSK	50	50	20.12	20.17	20.03				25	1		15	QPSK	75	0	20.09	20.17	20.03						
20	QPSK	100	0	20.26	20.37	20.23						20	QPSK	100	0	20.16	20.15	20.13	20.07	20.09				20	QPSK	100	0	20.03	20.21	20.09				26	0		15	QPSK	75	0	20.03	20.21	20.09						
Channel Frequency (MHz)												Channel Frequency (MHz)												Channel Frequency (MHz)												Channel Frequency (MHz)													
15	QPSK	1	0	25.03	25.28	24.96						15	QPSK	1	0	24.90	24.97	25.04	24.93	24.93				15	QPSK	1	0	24.76	25.03	24.90	24.85	24.85				15	QPSK	1	0	25.03	25.28	24.96	24.93	24.93					
15	QPSK	1	37	25.11	25.21	25.09			25.7	0		15	QPSK	1	37	24.94	24.92	24.92	24.82	24.87	26	0		15	QPSK	1	37																						

GSM1900 Ant4 DSI 4									
GSM1900		Burst Average Power (dBm)			Time-up		Frame Average Power (dBm)		
TX Channel		512	661	810	Limit		512	661	810
Frequency (MHz)		1900.2	1900	1900.8	(dBm)		1900.2	1900	1900.8
GSM 1 Tx slot		27.03	26.92	27.01	28.50		18.03	17.92	18.01
GPRS 1 Tx slot		27.11	27.00	27.08	28.50		18.11	18.00	18.08
GPRS 2 Tx slots		23.89	24.10	23.75	25.50		17.89	18.10	17.75
GPRS 3 Tx slots		22.10	22.17	21.87	23.70		17.84	17.91	17.61
GPRS 4 Tx slots		20.83	20.74	20.56	22.50		17.63	17.74	17.58
EDGE 1 Tx slot		23.26	23.23	23.27	25.20		14.26	14.23	14.27
EDGE 2 Tx slots		20.57	20.52	20.35	22.20		14.57	14.52	14.35
EDGE 3 Tx slots		18.78	18.97	18.74	20.40		14.52	14.71	14.48
EDGE 4 Tx slots		17.25	17.31	17.22	19.20		14.25	14.31	14.22
WCDMA II Ant4 DSI 4									
Band		WCDMA II			Time-up		WCDMA IV		
TX Channel		9262	9409	9538	Limit		1312	1413	1513
Rx Channel		9662	9800	9938	(dBm)		1337	1638	1738
Frequency (MHz)		1824.6	1840	1857.6	1724.6		1724.6	1724.6	1724.6
3GPP Rel 99	AMR 12.2Kbps	19.63	19.74	19.64	21.20		20.00	20.29	20.27
3GPP Rel 99	RMC 12.2Kbps	19.75	19.78	19.73	21.20		20.17	20.38	20.33
3GPP Rel 6	HSDPA Subtest-1	18.78	18.75	18.69	20.20		19.18	19.29	19.27
3GPP Rel 6	HSDPA Subtest-2	18.78	18.75	18.77	20.20		19.14	19.40	19.36
3GPP Rel 6	HSDPA Subtest-3	18.23	18.29	18.28	19.70		18.68	18.91	18.84
3GPP Rel 6	HSDPA Subtest-4	18.31	18.24	18.28	19.70		18.67	18.93	18.84
3GPP Rel 8	DC-HSDPA Subtest-1	18.81	18.82	18.69	20.20		19.15	19.41	19.35
3GPP Rel 8	DC-HSDPA Subtest-2	18.75	18.75	18.69	20.20		19.12	19.41	19.39
3GPP Rel 8	DC-HSDPA Subtest-3	18.28	18.23	18.20	19.70		18.68	18.90	18.85
3GPP Rel 8	DC-HSDPA Subtest-4	18.23	18.29	18.20	19.70		18.67	18.84	18.87
3GPP Rel 6	HSUPA Subtest-1	18.72	18.82	18.76	20.20		19.18	19.38	19.38
3GPP Rel 6	HSUPA Subtest-2	16.81	16.72	16.74	18.20		17.20	17.38	17.32
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.71	19.20		18.15	18.42	18.39
3GPP Rel 6	HSUPA Subtest-4	16.71	16.78	16.73	18.20		17.14	17.41	17.32
3GPP Rel 6	HSUPA Subtest-5	16.77	16.83	16.76	20.20		19.13	19.39	19.38
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.28	18.27	18.28	17.70		16.70	16.84	16.91

Band 2 Ant4 DSI 4											
RF [MHz]	Modulat ion	RF Sta	RF Offet	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn- up line	MPN (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.13	20.16	20.16		21.7	0		
20	QPSK	1	49	20.08	20.09	20.09					
20	QPSK	1	99	20.06	20.04	20.03					
20	QPSK	50	0	20.07	20.14	19.98					
20	QPSK	50	24	20.11	20.11	20.07					
20	QPSK	50	50	20.09	20.03	19.97		21.7	0		
20	QPSK	100	0	20.03	20.13	19.99					
20	QPSK	100	5	20.12	20.12	20.04					
20	16QAM	1	49	20.08	20.05	19.92		21.7	0		
20	16QAM	1	99	19.98	19.91	19.93					
20	16QAM	50	0	19.93	19.13	19.14					
20	16QAM	50	24	19.11	19.13	19.99		20.7	1		
20	16QAM	50	50	19.92	19.99	19.95					
20	16QAM	100	0	19.93	19.95	19.93					
20	16QAM	1	0	19.98	19.15	19.11					
20	16QAM	1	49	19.96	19.97	19.96		20.7	1		
20	16QAM	1	99	19.94	19.93	19.93					
20	16QAM	50	0	19.17	19.11	19.07					
20	16QAM	50	24	19.14	19.14	17.98		19.7	2		
20	16QAM	50	50	19.93	19.95	19.93					
20	16QAM	100	0	19.10	19.10	17.97					
20	16QAM	1	0	19.10	19.14	19.12					
20	16QAM	1	49	19.10	19.14	19.11		17.7	4		
20	256QAM	1	99	19.02	19.04	19.08					
20	256QAM	50	0	19.01	19.09	19.01					
20	256QAM	50	24	19.08	19.16	19.08		17.7	4		
20	256QAM	50	50	19.13	19.08	19.02					
20	256QAM	100	0	19.02	19.08	19.02					
Channel											
Frequency (MHz)											
15	QPSK	1	0	20.07	20.05	20.04		21.7	0		
15	QPSK	1	37	19.95	19.94	19.94					
15	QPSK	1	74	19.96	19.97	19.91					
15	QPSK	36	0	20.02	20.02	19.87					
15	QPSK	36	25	19.91	20.09	19.99		21.7	0		
15	QPSK	36	39	20.01	19.98	19.86					
15	QPSK	75	0	19.99	20.01	19.86					
15	QPSK	75	0	19.99	20.02	19.91					
15	16QAM	1	37	19.99	19.95	19.79		21.7	0		
15	16QAM	1	74	19.99	19.95	19.87					
15	16QAM	36	0	19.12	19.08	19.07					
15	16QAM	36	25	19.96	19.10	19.81		20.7	1		
15	16QAM	36	39	19.99	19.95	19.87					
15	16QAM	75	0	19.09	19.13	19.95					
15	16QAM	1	0	19.04	19.08	19.07					
15	16QAM	1	37	19.04	19.05	19.04		20.7	1		
15	16QAM	1	74	19.03	19.05	19.01					
15	16QAM	36	0	19.07	19.00	19.00					
15	16QAM	36	25	19.03	19.07	19.00		19.7	2		
15	16QAM	36	39	19.05	19.00	19.00					
15	16QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.03	19.01	19.00					
15	256QAM	36	0	19.03	19.05	19.00					
15	256QAM	36	25	19.03	19.05	19.00					
15	256QAM	36	39	19.03	19.05	19.00					
15	256QAM	75	0	19.03	19.05	19.00					
15	256QAM	1	37	19.03	19.01	19.00		17.7	4		
15	256QAM	1	74	19.0							

Band 66 Ant4 DSI 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tx-to-Rx (dB)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	18.95	19.01	19.98	20	0						
20	QPSK	1	40	18.86	19.90	19.87								
20	QPSK	1	96	18.86	19.98	19.88								
20	QPSK	50	0	18.86	19.99	19.98								
20	QPSK	50	24	18.94	19.89	19.90	20	0						
20	QPSK	50	50	18.86	19.98	19.87								
20	QPSK	100	0	18.87	19.97	19.89								
20	HQDM	1	0	19.90	19.90	19.90								
20	HQDM	1	40	18.84	19.83	19.82	20	0						
20	HQDM	50	0	18.81	19.97	19.97								
20	HQDM	50	24	18.89	19.81	19.80								
20	HQDM	50	50	18.77	19.86	19.85								
20	HQDM	100	0	18.82	19.93	19.92	20	0						
20	HQDM	1	0	18.88	19.97	19.95								
20	HQDM	1	40	18.84	19.98	19.97								
20	HQDM	1	96	18.75	19.81	19.87								
20	HQDM	50	0	18.79	19.94	19.92	20	0						
20	HQDM	50	24	18.92	19.82	19.89								
20	HQDM	50	50	18.81	19.92	19.85								
20	HQDM	100	0	18.85	19.95	19.86								
20	SSBQAM	1	0	17.00	17.07	16.98	18	2						
20	SSBQAM	1	40	16.91	16.92	16.81								
20	SSBQAM	1	96	16.88	16.86	16.92								
20	SSBQAM	50	0	16.84	16.96	16.98								
20	SSBQAM	50	24	16.93	16.92	16.95	18	2						
20	SSBQAM	50	50	16.84	17.01	16.87								
20	SSBQAM	100	0	16.84	17.01	16.92								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.86	18.94	19.94	20	0						
15	QPSK	1	37	18.73	19.84	19.78								
15	QPSK	1	74	18.73	19.85	19.77								
15	QPSK	36	0	18.82	18.89	19.91								
15	QPSK	36	20	18.82	19.76	19.88	20	0						
15	QPSK	36	36	18.82	19.88	19.80								
15	QPSK	75	0	18.74	19.84	19.81								
15	HQDM	1	0	18.86	19.86	19.84								
15	HQDM	1	37	18.78	19.73	19.68	20	0						
15	HQDM	1	74	18.78	19.74	19.70								
15	HQDM	36	0	18.78	19.93	19.94								
15	HQDM	36	20	18.78	19.71	19.68								
15	HQDM	36	36	18.87	19.74	19.74	20	0						
15	HQDM	75	0	18.78	19.87	19.70								
15	HQDM	1	0	18.85	19.87	19.88								
15	HQDM	1	37	18.80	19.75	19.65								
15	HQDM	1	74	19.83	19.78	19.78	20	0						
15	HQDM	36	0	18.84	19.82	19.80								
15	HQDM	36	20	18.87	19.75	19.66								
15	HQDM	36	36	19.72	19.79	19.82								
15	SSBQAM	1	0	16.93	16.96	16.94	18	2						
15	SSBQAM	1	37	16.86	16.79	16.70								
15	SSBQAM	1	74	16.76	16.77	16.79								
15	SSBQAM	36	0	16.81	16.91	16.92								
15	SSBQAM	36	20	16.80	16.79	16.85	18	2						
15	SSBQAM	36	36	16.72	16.92	16.83								
15	SSBQAM	75	0	16.76	16.92	16.87								
15	SSBQAM	100	0	16.76	16.92	16.80								
Channel														
Frequency (MHz)														
10	QPSK	1	0	17.15	17.40	17.75	20	0						
10	QPSK	1	24	16.94	17.83	18.05								
10	QPSK	1	48	18.83	19.78	19.83								
10	QPSK	1	72	18.73	19.81	19.87								
10	QPSK	25	14	18.87	19.84	19.84	20	0						
10	QPSK	25	26	18.82	19.85	19.78								
10	QPSK	25	48	18.82	19.85	19.78								
10	HQDM	1	0	19.82	19.79	19.84								
10	HQDM	1	24	18.74	19.70	19.77	20	0						
10	HQDM	1	48	18.75	19.83	19.83								
10	HQDM	25	0	18.83	19.87	19.77								
10	HQDM	25	14	18.84	19.80	19.84								
10	HQDM	25	26	18.75	19.78	19.77	20	0						
10	HQDM	50	0	19.72	19.76	19.72								
10	HQDM	50	14	18.83	19.80	19.81								
10	HQDM	50	26	18.83	19.80	19.81								
10	SSBQAM	1	0	16.93	16.93	16.96	18	2						
10	SSBQAM	1	24	16.90	16.84	16.94								
10	SSBQAM	1	48	16.87	16.88	16.91								
10	SSBQAM	25	0	16.72	16.94	16.86								
10	SSBQAM	25	14	16.90	16.84	16.91	18	2						
10	SSBQAM	25	26	16.72	16.94	16.86								
10	SSBQAM	50	0	16.72	16.94	16.86								
10	SSBQAM	50	14	16.72	16.94	16.86								
Channel														
Frequency (MHz)														
3	QPSK	1	0	18.85	19.93	19.90	20	0						
3	QPSK	1	8	18.87	19.88	19.77								
3	QPSK	1	16	18.72	19.77	19.75								
3	QPSK	8	0	18.73	19.95	19.88								
3	QPSK	8	4	18.85	19.86	19.78	20	0						
3	QPSK	8	7	18.84	19.90	19.75								
3	QPSK	15	0	18.74	19.95	19.86								
3	HQDM	1	0	19.79	19.79	19.80								
3	HQDM	1	8	18.70	19.72	19.75	20	0						
3	HQDM	1	16	18.60	19.72	19.73								
3	HQDM	8	0	19.70	19.86	19.80								
3	HQDM	8	4	18.77	19.75	19.68								
3	HQDM	8	7	18.67	19.78	19.72	20	0						
3	HQDM	15	0	19.76	19.84	19.72								
3	HQDM	1	0	18.76	19.86	19.88								
3	HQDM	1	8	18.78	19.78	19.73								
3	HQDM	1	14	18.62	19.69	19.73	20	0						
3	HQDM	8	0	18.72	19.83	19.83								
3	HQDM	8	4	18.80	19.74	19.80								
3	HQDM	8	7	18.77	19.73	19.83								
3	HQDM	15	0	19.78	19.84	19.81	20	0						
3	HQDM	1	0	19.68	17.00	19.93								
3	HQDM	1	8	18.69	19.72	19.75								
3	HQDM	1	14	18.78	19.84	19.81								
3	HQDM	8	0	19.81	19.93	19.89	18	2						
3	HQDM	8	4	19.81	19.93	19.89								
3	HQDM	8	7	19.81	19.91	19.76								
3	SSBQAM	15	0	16.76	16.99	16.94								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	18.87	18.88	19.94	20	0						
1.4	QPSK	1	8	18.75	19.86	19.82								
1.4	QPSK	1	16	18.75	19.75	19.76								
1.4	QPSK	3	0	18.80	19.90	19.90								
1.4	QPSK	3	8	18.87	19.88	19.84	20	0						
1.4	QPSK	3	16	18.75	19.84	19.84								
1.4	QPSK	6	0	18.74	19.86	19.84								
1.4	HQDM	1	0	19.74	19.74	19.73								
1.4	HQDM	1	8	18.72	19.69	19.71	20	0						
1.4	HQDM	1	16	18.68	19.72	19.73								
1.4	HQDM	3	0	18.78	19.90	19.86								
1.4	HQDM	3	8	18.82	19.81	19.87								
1.4	HQDM	6	0	18.78	19.79	19.79	20	0						
1.4	HQDM	6	8	18.75	19.79	19.72								
1.4	HQDM	6	16	18.68	19.88	19.72								
1.4	HQDM	15	0	19.80	19.80	19.74								
1.4	SSBQAM	1	0	16.92	16.96	16.96	18	2						
1.4	SSBQAM	1	8	16.81	16.88	16.87								
1.4	SSBQAM	1	16	16.76	16.82	16.89								
1.4	SSBQAM	3	0	16.82	16.94	16.75								

Band 38 Ant4 DSI 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MPE [dB]		
Channel										
Frequency [MHz]				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	21.68	21.73	21.71				
20	QPSK	1	49	21.63	21.63	21.62	23.2	0		
20	QPSK	1	99	21.61	21.70	21.68				
20	QPSK	50	0	21.59	21.70	21.66				
20	QPSK	50	24	21.66	21.67	21.60	23.2	0		
20	QPSK	50	50	21.62	21.64	21.68				
20	QPSK	100	0	21.58	21.68	21.66				
20	16QAM	1	0	21.57	21.62	21.67				
20	16QAM	1	49	21.58	21.51	21.49	23.2	0		
20	16QAM	1	99	21.54	21.63	21.50				
20	16QAM	50	0	21.21	21.22	21.25				
20	16QAM	50	24	21.16	21.11	21.12	22.7	0.5		
20	16QAM	50	50	21.15	21.24	21.07				
20	16QAM	100	0	21.11	21.25	21.17				
20	64QAM	1	0	21.16	21.16	21.05				
20	64QAM	1	49	21.10	21.09	21.24	22.7	0.5		
20	64QAM	1	99	21.06	21.16	21.18				
20	64QAM	50	0	20.14	20.23	20.25				
20	64QAM	50	24	20.15	20.11	20.18	21.7	1.5		
20	64QAM	50	50	20.13	20.26	20.05				
20	64QAM	100	0	20.05	20.15	20.10				
20	256QAM	1	0	18.20	18.26	18.17				
20	256QAM	1	49	18.07	18.11	18.13	19.7	3.5		
20	256QAM	1	99	18.17	18.20	18.13				
20	256QAM	50	0	18.15	18.20	18.22				
20	256QAM	50	24	18.20	18.20	18.13	19.7	3.5		
20	256QAM	50	50	18.15	18.20	18.23				
20	256QAM	100	0	18.06	18.22	18.16				
Channel				37855	38000	38155	1000	MPE		
Frequency [MHz]				2577.5	2595	2612.5				
15	QPSK	1	0	21.63	21.64	21.63				
15	QPSK	1	37	21.58	21.50	21.49	23.2	0		
15	QPSK	1	74	21.56	21.46	21.43				
15	QPSK	36	0	21.55	21.59	21.56				
15	QPSK	36	39	21.56	21.52	21.58	23.2	0		
15	QPSK	75	0	21.52	21.60	21.57				
15	16QAM	1	0	21.51	21.59	21.83				
15	16QAM	1	37	21.51	21.41	21.42	23.2	0		
15	16QAM	1	74	21.42	21.56	21.38				
15	16QAM	36	0	21.18	21.17	21.20				
15	16QAM	36	20	21.08	21.08	21.02	22.7	0.5		
15	16QAM	36	39	21.08	21.21	21.01				
15	16QAM	75	0	20.99	21.18	21.08				
15	64QAM	1	0	21.11	21.08	20.98				
15	64QAM	1	37	21.07	20.96	21.10	22.7	0.5		
15	64QAM	1	74	21.04	21.04	21.13				
15	64QAM	36	0	20.07	20.10	20.13				
15	64QAM	36	20	20.10	20.01	20.08	21.7	1.5		
15	64QAM	36	39	20.04	20.22	19.98				
15	64QAM	75	0	19.97	20.02	20.01				
15	256QAM	1	0	18.11	18.14	18.06				
15	256QAM	1	37	18.03	17.99	18.01	19.7	3.5		
15	256QAM	1	74	18.10	18.13	18.09				
15	256QAM	36	0	18.02	18.16	18.15				
15	256QAM	36	20	18.01	18.15	18.08	19.7	3.5		
15	256QAM	36	39	18.03	18.08	18.12				
15	256QAM	75	0	17.93	18.13	18.08				
Channel				37860	38000	38200	1000	MPE		
Frequency [MHz]				2574	2595	2615				
10	QPSK	1	0	21.61	21.63	21.60				
10	QPSK	1	25	21.56	21.51	21.55	23.2	0		
10	QPSK	1	49	21.49	21.61	21.53				
10	QPSK	25	0	21.51	21.60	21.58				
10	QPSK	25	12	21.60	21.60	21.52	23.2	0		
10	QPSK	25	25	21.58	21.50	21.66				
10	QPSK	50	0	21.54	21.55	21.54				
10	16QAM	1	0	21.44	21.54	21.85				
10	16QAM	1	25	21.44	21.36	21.41	23.2	0		
10	16QAM	1	49	21.47	21.53	21.38				
10	16QAM	25	0	21.12	21.17	21.17				
10	16QAM	25	12	21.10	21.06	21.02	22.7	0.5		
10	16QAM	25	25	21.07	21.16	21.05				
10	16QAM	50	0	21.06	21.12	21.13				
10	64QAM	1	0	21.11	21.12	20.95				
10	64QAM	1	25	20.97	21.02	21.15	22.7	0.5		
10	64QAM	1	49	21.01	21.11	21.08				
10	64QAM	25	0	20.10	20.20	20.21				
10	64QAM	25	12	20.07	19.99	20.08	21.7	1.5		
10	64QAM	25	25	20.05	20.17	19.97				
10	64QAM	50	0	19.92	20.12	20.01				
10	256QAM	1	0	18.11	18.20	18.11	19.7	3.5		
10	256QAM	1	25	18.03	18.00	18.02				
10	256QAM	1	49	18.03	18.13	17.99				
10	256QAM	25	0	18.09	18.17	18.10				
10	256QAM	25	12	18.06	18.07	18.08	19.7	3.5		
10	256QAM	25	25	18.00	18.09	18.14				
10	256QAM	50	0	17.98	18.17	18.05				
Channel				37775	38000	38225	1000	MPE		
Frequency [MHz]				2572.5	2595	2617.5				
5	QPSK	1	0	21.56	21.65	21.63				
5	QPSK	1	12	21.57	21.60	21.57	23.2	0		
5	QPSK	1	24	21.53	21.60	21.54				
5	QPSK	12	0	21.53	21.68	21.64				
5	QPSK	12	7	21.63	21.56	21.48	23.2	0		
5	QPSK	12	13	21.52	21.53	21.61				
5	QPSK	25	0	21.55	21.66	21.57				
5	16QAM	1	0	21.46	21.55	21.60				
5	16QAM	1	12	21.47	21.43	21.37	23.2	0		
5	16QAM	1	24	21.51	21.57	21.44				
5	16QAM	12	0	21.16	21.16	21.12				
5	16QAM	12	7	21.11	21.09	21.00	22.7	0.5		
5	16QAM	12	13	21.10	21.15	21.00				
5	16QAM	25	0	21.03	21.20	21.12				
5	64QAM	1	0	21.13	21.12	21.06				
5	64QAM	1	12	21.07	21.07	21.16	22.7	0.5		
5	64QAM	1	24	20.93	21.06	21.16				
5	64QAM	12	0	20.93	20.13	20.22				
5	64QAM	12	7	20.95	20.02	20.12	21.7	1.5		
5	64QAM	12	13	20.92	20.24	20.00				
5	64QAM	25	0	19.93	20.13	20.03				
5	256QAM	1	0	18.11	18.17	18.08	19.7	3.5		
5	256QAM	1	12	18.02	18.05	17.99				
5	256QAM	1	24	18.12	18.15	18.05				
5	256QAM	12	0	18.02	18.15	18.19				
5	256QAM	12	7	18.07	18.10	18.08	19.7	3.5		
5	256QAM	12	13	18.03	18.09	18.12				
5	256QAM	25	0	18.03	18.08	18.05				

Band 41 Ant4 DSI 4										
BW [MHz]	Modulation on Channel	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 [mHz]	MPE (dB)
Channel										
Frequency (MHz)				38750	40185	40620	41055	41490		
				2590	2549.5	2593	2636.5	2590		
20	QPSK	1	0	20.75	20.73	20.76	20.70	20.69		
20	QPSK	1	49	20.72	20.62	20.67	20.58	20.57	22.2	0
20	QPSK	1	99	20.68	20.71	20.76	20.66	20.58		
20	QPSK	50	0	20.71	20.61	20.75	20.61	20.64		
20	QPSK	50	24	20.73	20.62	20.73	20.64	20.57	22.2	0
20	QPSK	50	50	20.70	20.66	20.70	20.57	20.59		
20	QPSK	100	0	20.69	20.62	20.72	20.59	20.59		
20	16QAM	1	0	20.61	20.66	20.66	20.59	20.60		
20	16QAM	1	49	20.69	20.59	20.60	20.50	20.45	22.2	0
20	16QAM	1	99	20.66	20.64	20.63	20.57	20.52		
20	16QAM	50	0	20.65	20.48	20.68	20.51	20.61		
20	16QAM	50	24	20.66	20.53	20.69	20.56	20.47	22.2	0
20	16QAM	50	50	20.66	20.53	20.67	20.45	20.49		
20	16QAM	100	0	20.58	20.52	20.65	20.46	20.52		
20	64QAM	1	0	20.71	20.69	20.71	20.60	20.65		
20	64QAM	1	49	20.61	20.57	20.62	20.47	20.43	22.2	0
20	64QAM	1	99	20.62	20.58	20.63	20.50	20.53		
20	64QAM	50	0	20.26	20.24	20.33	20.23	20.14		
20	64QAM	50	24	20.20	20.08	20.17	20.06	20.02	21.7	0.5
20	64QAM	50	50	20.23	20.16	20.27	20.15	20.08		
20	64QAM	100	0	20.24	20.17	20.28	20.11	20.16		
20	256QAM	1	0	18.31	18.23	18.34	18.21	18.16		
20	256QAM	1	49	18.19	18.15	18.18	18.07	18.13	19.7	2.5
20	256QAM	1	99	18.16	18.19	18.27	18.22	18.12		
20	256QAM	50	0	18.18	18.18	18.28	18.16	18.16		
20	256QAM	50	24	18.19	18.18	18.18	18.16	18.10	19.7	2.5
20	256QAM	50	50	18.25	18.05	18.25	18.10	18.08		
20	256QAM	100	0	18.15	18.16	18.28	18.13	18.11	19.7	0.5
Frequency (MHz)				2550.5	2546.3	2593	2637.6	2622.5		
15	QPSK	1	0	20.62	20.59	20.69	20.58	20.58		
15	QPSK	1	37	20.61	20.51	20.63	20.46	20.50	22	0
15	QPSK	1	74	20.61	20.60	20.65	20.52	20.50		
15	QPSK	36	0	20.57	20.57	20.67	20.48	20.55		
15	QPSK	36	20	20.68	20.58	20.70	20.57	20.50	22.2	0
15	QPSK	36	36	20.67	20.63	20.59	20.52	20.46		
15	QPSK	75	0	20.58	20.60	20.64	20.51	20.48		
15	16QAM	1	0	20.57	20.57	20.64	20.54	20.51		
15	16QAM	1	37	20.58	20.55	20.54	20.48	20.41	22.2	0
15	16QAM	1	74	20.54	20.60	20.50	20.54	20.49		
15	16QAM	36	0	20.59	20.40	20.59	20.39	20.58		
15	16QAM	36	20	20.59	20.59	20.64	20.52	20.46	22.2	0
15	16QAM	36	36	20.53	20.43	20.39	20.33	20.41		
15	16QAM	75	0	20.47	20.49	20.58	20.43	20.38		
15	64QAM	1	0	20.63	20.56	20.61	20.53	20.53		
15	64QAM	1	37	20.49	20.53	20.57	20.33	20.36	22.2	0
15	64QAM	1	74	20.58	20.58	20.64	20.52	20.41		
15	64QAM	36	0	20.21	20.21	20.22	20.15	20.08		
15	64QAM	36	20	20.18	20.00	20.12	20.02	19.99	21.7	0.5
15	64QAM	36	36	20.17	20.09	20.21	20.10	20.01		
15	256QAM	1	0	18.22	18.13	18.29	18.17	18.13		
15	256QAM	1	37	18.05	18.11	18.00	18.03	18.06	19.7	2.5
15	256QAM	1	74	18.03	18.17	18.15	18.20	18.07		
15	256QAM	36	0	18.10	17.86	18.13	18.06	18.07	19.7	2.5
15	256QAM	36	20	18.07	18.07	18.08	18.10	18.09		
15	256QAM	36	36	18.22	17.97	18.11	17.96	17.98		
15	256QAM	75	0	18.12	18.05	18.22	18.06	18.07	19.7	0.5
Channel				39700	40160	40620	41098	41560		
Frequency (MHz)				2641	2643	2693	2693.5	2693		
10	QPSK	1	0	20.61	20.70	20.76	20.67	20.61		
10	QPSK	1	25	20.58	20.56	20.63	20.55	20.44	22	0
10	QPSK	1	49	20.54	20.57	20.65	20.53	20.46		
10	QPSK	25	0	20.59	20.59	20.63	20.57	20.49		
10	QPSK	25	12	20.62	20.48	20.63	20.57	20.53	22.2	0
10	QPSK	25	25	20.60	20.55	20.63	20.48	20.54		
10	QPSK	50	0	20.60	20.59	20.69	20.54	20.51		
10	16QAM	1	0	20.55	20.63	20.54	20.51	20.55		
10	16QAM	1	25	20.58	20.57	20.67	20.50	20.42	22.2	0
10	16QAM	1	49	20.62	20.52	20.50	20.44	20.49		
10	16QAM	25	0	20.54	20.45	20.65	20.47	20.49		
10	16QAM	25	12	20.63	20.41	20.64	20.47	20.35	22.2	0
10	16QAM	25	25	20.56	20.57	20.67	20.49	20.46		
10	64QAM	1	0	20.55	20.46	20.55	20.34	20.40		
10	64QAM	1	0	20.64	20.60	20.66	20.48	20.63		
10	64QAM	1	25	20.58	20.45	20.55	20.44	20.39	22.2	0
10	64QAM	1	49	20.49	20.48	20.58	20.40	20.49		
10	64QAM	25	0	20.16	20.20	20.20	20.14	20.08		
10	64QAM	25	12	20.12	19.99	20.04	19.98	19.96	21.7	0.5
10	64QAM	25	25	20.11	20.08	20.19	20.01	20.04		
10	64QAM	50	0	20.16	20.07	20.16	20.03	20.05		
10	256QAM	1	0	18.11	18.11	18.23	18.08	18.10	19.7	2.5
10	256QAM	1	25	18.06	18.05	18.03	18.03	18.10		
10	256QAM	1	49	18.10	18.13	18.15	18.13	17.99		
10	256QAM	25	0	18.05	17.95	18.24	18.10	18.06		
10	256QAM	25	12	18.06	18.11	18.11	18.06	18.06	19.7	2.5
10	256QAM	25	25	18.17	17.92	18.13	18.07	18.05		
10	256QAM	50	0	18.01	18.12	18.19	18.06	18.06		
Channel				39675	40114.6	40620	41093	41565		
Frequency (MHz)				2641	2643	2693	2693.5	2693		
5	QPSK	1	0	20.66	20.60	20.63	20.59	20.65		
5	QPSK	1	12	20.66	20.51	20.54	20.48	20.44	22	0
5	QPSK	1	24	20.60	20.66	20.74	20.53	20.45		
5	QPSK	12	0	20.65	20.48	20.66	20.53	20.55		
5	QPSK	12	12	20.61	20.58	20.67	20.50	20.46	22.2	0
5	QPSK	12	13	20.59	20.54	20.59	20.55	20.56		
5	QPSK	25	0	20.62	20.56	20.60	20.49	20.47		
5	16QAM	1	0	20.55	20.58	20.53	20.50	20.47		
5	16QAM	1	12	20.65	20.51	20.48	20.40	20.39	22.2	0
5	16QAM	1	24	20.53	20.63	20.62	20.53	20.40		
5	16QAM	12	0	20.58	20.34	20.55	20.40	20.48		
5	16QAM	12	7	20.61	20.45	20.59	20.52	20.40	22.2	0
5	16QAM	12	13	20.63	20.50	20.61	20.40	20.41		
5	256QAM	1	0	20.16	20.20	20.20	20.14	20.08		
5	256QAM	1	0	20.67	20.64	20.68	20.47	20.57		
5	64QAM	1	12	20.58	20.47	20.55	20.41	20.36	22.2	0
5	64QAM	1	24	20.55	20.52	20.56	20.50	20.42		
5	64QAM	12	0	20.58	20.34	20.55	20.40	20.48		
5	64QAM	12	7	20.05	19.98	20.09	19.95	19.90	21.7	0.5
5	64QAM	12	13	20.21	20.12	20.16	20.01	19.94		
5	64QAM	25	0	20.20	20.07	20.21	20.05	20.10		
5	256QAM	1	12	18.28	18.21	18.23	18.02	18.03		
5	256QAM	1	12	18.22	18.11	18.23	18.06	18.06	19.7	2.5
5	256QAM	1	24	18.03	18.06	18.14	18.20	17.99		
5	256QAM	12	0	18.04	17.84	18.21	18.02	18.07		
5	256QAM	12	7	18.17	18.06	18.05	18.11	18.06		
5	256QAM	12	13	18.27	18.05	18.23	18.08	18.08	19.7	2.5
5	256QAM	25	0	18.08	18.03	18.24	18.09	18.08		

		WCDMA II AmB DSI 4			WCDMA IV AmB DSI 4		
Band		WCDMA II			WCDMA IV		
TX Channel		6082	6400	6538	1312	1413	1513
RX Channel		6082	6400	6538	1337	1538	1738
Frequency (MHz)		1865.4	1869	1907.6	1722.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	22.00	22.11	22.01	23.30	21.34	21.34
3GPP Rel 99	RMC 12.2Kbps	22.13	22.16	22.02	23.30	21.44	21.47
3GPP Rel 6	HSPA Subtest-1	21.23	21.08	21.11	22.30	20.54	20.52
3GPP Rel 6	HSPA Subtest-2	21.09	21.10	21.10	22.30	20.43	20.45
3GPP Rel 6	HSPA Subtest-3	20.59	20.66	20.58	21.60	19.69	19.62
3GPP Rel 6	HSPA Subtest-4	20.57	20.66	20.56	21.60	19.69	19.69
3GPP Rel 6	DC-HSPA Subtest-1	21.18	21.15	21.07	22.30	20.46	20.40
3GPP Rel 6	DC-HSPA Subtest-2	21.12	21.10	21.10	22.30	20.50	20.46
3GPP Rel 6	DC-HSPA Subtest-3	20.51	20.69	20.67	21.60	19.62	19.67
3GPP Rel 6	DC-HSPA Subtest-4	20.64	20.61	20.52	21.60	19.59	19.62
3GPP Rel 6	HSPA Subtest-1	21.13	21.07	21.05	22.30	20.49	20.42
3GPP Rel 6	HSPA Subtest-2	19.21	19.16	19.09	20.30	18.51	18.39
3GPP Rel 6	HSPA Subtest-3	20.11	20.07	20.05	21.30	19.49	19.26
3GPP Rel 6	HSPA Subtest-4	19.16	19.21	19.09	20.30	18.49	18.42
3GPP Rel 6	HSPA Subtest-5	21.06	21.05	21.03	22.30	20.41	20.34
3GPP Rel 7	HSPA+ (MGM) Subtest-1	18.67	18.69	18.57	19.85	17.87	17.62



Appendix E

Report No.: FA402501

Band 2 Ant6 DSI 4										Band 4 Ant6 DSI 4										Band 7 Ant6 DSI 4										Band 25 Ant6 DSI 4										Band 66 Ant6 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Time-use (sec)	Time-use (sec)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Time-use (sec)	Time-use (sec)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Time-use (sec)	Time-use (sec)	MFR (dB)	BW (MHz)	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Time-use (sec)	Time-use (sec)	MFR (dB)										
Channel										Channel										Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.27	22.41	22.55	22.69	22.83	22.97	15	QPSK	1	0	24.17	24.34	24.50	24.67	24.83	25.00	25.16	25.32	15	QPSK	1	0	21.71	21.84	21.98	22.11	22.24	22.37	22.50	22.63	22.76	22.89	23.02	23.15	23.28	23.41	23.54	23.67	23.80	23.93	24.06					
16	QPSK	1	96	22.28	22.42	22.56	22.70	22.84	22.98	16	QPSK	1	96	24.38	24.56	24.74	24.91	25.09	25.26	25.43	25.60	16	QPSK	1	96	21.92	22.05	22.18	22.31	22.44	22.57	22.70	22.83	22.96	23.09	23.22	23.35	23.48	23.61	23.74	23.87	24.00	24.13	24.26					
17	QPSK	1	0	21.25	21.38	21.51	21.64	21.77	21.90	17	QPSK	50	0	23.12	23.27	23.42	23.57	23.72	23.87	24.02	24.17	17	QPSK	50	0	20.51	20.57	20.63	20.69	20.75	20.81	20.87	20.93	20.99	21.05	21.11	21.17	21.23	21.29	21.35	21.41	21.47	21.53	21.59	21.65				
18	QPSK	1	96	21.26	21.39	21.52	21.65	21.78	21.91	18	QPSK	50	24	23.84	23.99	24.14	24.29	24.44	24.59	24.74	24.89	18	QPSK	50	24	20.52	20.58	20.64	20.70	20.76	20.82	20.88	20.94	21.00	21.06	21.12	21.18	21.24	21.30	21.36	21.42	21.48	21.54	21.60					
19	QPSK	50	0	21.24	21.31	21.38	21.44	21.51	21.58	19	QPSK	50	0	23.08	23.20	23.32	23.44	23.56	23.68	23.80	23.92	19	QPSK	50	0	20.48	20.53	20.58	20.63	20.68	20.73	20.78	20.83	20.88	20.93	20.98	21.03	21.08	21.13	21.18	21.23	21.28	21.33	21.38					
20	QPSK	100	0	21.21	21.29	21.37	21.45	21.53	21.61	20	QPSK	100	0	23.15	23.26	23.36	23.46	23.56	23.66	23.76	23.86	20	QPSK	100	0	20.72	20.76	20.80	20.84	20.88	20.92	20.96	21.00	21.04	21.08	21.12	21.16	21.20	21.24	21.28	21.32	21.36	21.40						
21	QPSK	1	0	21.24	21.31	21.39	21.46	21.54	21.61	21	QPSK	1	0	23.15	23.26	23.36	23.46	23.56	23.66	23.76	23.86	21	QPSK	1	0	20.72	20.76	20.80	20.84	20.88	20.92	20.96	21.00	21.04	21.08	21.12	21.16	21.20	21.24	21.28	21.32	21.36	21.40						
22	QPSK	1	49	21.24	21.43	21.62	21.81	22.00	22.19	22	QPSK	1	49	23.15	23.34	23.53	23.72	23.91	24.10	24.29	24.48	22	QPSK	1	49	21.71	21.91	22.11	22.31	22.51	22.71	22.91	23.11	23.31	23.51	23.71	23.91	24.11	24.31	24.51	24.71	24.91	25.11						
23	QPSK	1	99	21.21	21.37	21.53	21.69	21.85	22.01	23	QPSK	1	99	23.14	23.19	23.24	23.29	23.34	23.39	23.44	23.49	23	QPSK	1	99	20.69	20.79	20.87	20.95	21.03	21.11	21.19	21.27	21.35	21.43	21.51	21.59	21.67	21.75	21.83	21.91	22.00							
24	QPSK	1	99	20.29	20.45	20.61	20.77	20.93	21.09	24	QPSK	1	99	23.12	23.21	23.30	23.39	23.48	23.57	23.66	23.75	24	QPSK	1	99	20.66	20.76	20.84	20.92	21.00	21.08	21.16	21.24	21.32	21.40	21.48	21.56	21.64	21.72	21.80	21.88	21.96							
25	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	25	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	21.46	21.66	25	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	21.46	21.66	21.86	22.06	22.26	22.46	22.66	22.86	23.06	23.26	23.46							
26	QPSK	1	49	20.23	20.48	20.73	20.98	21.23	21.48	26	QPSK	1	49	22.66	22.73	22.81	22.88	22.95	23.02	23.09	23.16	26	QPSK	1	49	20.24	20.31	20.38	20.45	20.52	20.59	20.66	20.73	20.80	20.87	20.94	21.01	21.08	21.15	21.22	21.29	21.36							
27	QPSK	1	99	20.28	20.44	20.60	20.76	20.92	21.08	27	QPSK	1	99	22.12	22.17	22.22	22.27	22.32	22.37	22.42	22.47	27	QPSK	1	99	20.24	20.31	20.38	20.45	20.52	20.59	20.66	20.73	20.80	20.87	20.94	21.01	21.08	21.15	21.22	21.29	21.36							
28	QPSK	50	0	19.25	19.37	19.50	19.62	19.75	19.87	28	QPSK	50	0	21.85	21.92	21.99	22.06	22.13	22.20	22.27	22.34	28	QPSK	50	0	19.72	19.78	19.83	19.88	19.93	19.98	20.03	20.08	20.13	20.18	20.23	20.28	20.33	20.38	20.43	20.48								
29	QPSK	50	24	19.32	19.41	19.51	19.61	19.71	19.81	29	QPSK	50	24	21.85	21.92	21.99	22.06	22.13	22.20	22.27	22.34	29	QPSK	50	24	19.71	19.78	19.83	19.88	19.93	19.98	20.03	20.08	20.13	20.18	20.23	20.28	20.33	20.38	20.43	20.48								
30	QPSK	50	0	19.29	19.41	19.53	19.65	19.77	19.89	30	QPSK	50	0	21.82	21.91	22.00	22.09	22.18	22.27	22.36	22.45	30	QPSK	50	0	19.68	19.76	19.84	19.92	20.00	20.08	20.16	20.24	20.32	20.40	20.48	20.56	20.64	20.72	20.80	20.88								
31	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	31	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	21.46	21.66	31	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	21.46	21.66	21.86	22.06	22.26	22.46	22.66	22.86	23.06	23.26	23.46							
32	QPSK	1	49	20.23	20.48	20.73	20.98	21.23	21.48	32	QPSK	1	49	22.66	22.73	22.81	22.88	22.95	23.02	23.09	23.16	32	QPSK	1	49	20.24	20.31	20.38	20.45	20.52	20.59	20.66	20.73	20.80	20.87	20.94	21.01	21.08	21.15	21.22	21.29	21.36							
33	QPSK	1	99	20.28	20.44	20.60	20.76	20.92	21.08	33	QPSK	1	99	22.12	22.17	22.22	22.27	22.32	22.37	22.42	22.47	33	QPSK	1	99	20.24	20.31	20.38	20.45	20.52	20.59	20.66	20.73	20.80	20.87	20.94	21.01	21.08	21.15	21.22	21.29	21.36							
34	QPSK	50	0	19.25	19.37	19.50	19.62	19.75	19.87	34	QPSK	50	0	21.85	21.92	21.99	22.06	22.13	22.20	22.27	22.34	34	QPSK	50	0	19.72	19.78	19.83	19.88	19.93	19.98	20.03	20.08	20.13	20.18	20.23	20.28	20.33	20.38	20.43	20.48								
35	QPSK	50	24	19.32	19.41	19.51	19.61	19.71	19.81	35	QPSK	50	24	21.85	21.92	21.99	22.06	22.13	22.20	22.27	22.34	35	QPSK	50	24	19.71	19.78	19.83	19.88	19.93	19.98	20.03	20.08	20.13	20.18	20.23	20.28	20.33	20.38	20.43	20.48								
36	QPSK	50	0	19.29	19.41	19.53	19.65	19.77	19.89	36	QPSK	50	0	21.82	21.91	22.00	22.09	22.18	22.27	22.36	22.45	36	QPSK	50	0	19.68	19.76	19.84	19.92	20.00	20.08	20.16	20.24	20.32	20.40	20.48	20.56	20.64	20.72	20.80	20.88								
37	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	37	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	21.46	21.66	37	QPSK	1	0	20.26	20.46	20.66	20.86	21.06	21.26	21.46	21.66	21.86	22.06	22.26	22.46	22.66	22.86	23.06	23.26	23.46							
38	QPSK	1	49	20.23	20.48	20.73	20.98	21.23	21.48	38	QPSK	1	49	22.66	22.73	22.81																																	

Band 38 Ant6 DSI 4												
BW [MHz]	Modulation on	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	2585	2610						
20	QPSK	1	0	23.98	24.04	24.00			25.5	0		
20	QPSK	1	49	23.95	24.01	23.96						
20	QPSK	1	99	23.94	24.00	23.95						
20	QPSK	50	0	22.99	23.09	22.97						
20	QPSK	50	24	23.01	23.03	22.94						
20	QPSK	50	50	22.97	23.05	22.93			24.5	1		
20	QPSK	100	0	22.95	23.04	22.95						
20	16QAM	1	0	23.02	23.03	23.05						
20	16QAM	1	49	23.01	22.96	22.99						
20	16QAM	1	99	22.95	23.01	22.94						
20	16QAM	50	0	22.04	22.08	21.92			24.5	1		
20	16QAM	50	24	21.95	22.01	21.97						
20	16QAM	50	50	21.95	22.02	21.90						
20	16QAM	100	0	21.95	22.07	21.97						
20	64QAM	1	0	22.00	21.98	22.11						
20	64QAM	1	49	21.95	21.94	22.03			23.5	2		
20	64QAM	1	99	21.90	21.98	21.92						
20	64QAM	50	0	20.97	21.04	20.93						
20	64QAM	50	24	21.04	21.02	20.99						
20	64QAM	50	50	20.96	21.06	20.90						
20	64QAM	100	0	21.02	21.03	21.01			22.5	3		
20	256QAM	1	0	19.01	19.10	19.02						
20	256QAM	1	49	19.01	18.98	18.94						
20	256QAM	1	99	18.95	19.01	18.96						
20	256QAM	50	0	19.02	19.09	19.01						
20	256QAM	50	24	19.05	19.06	18.98			20.5	5		
20	256QAM	50	50	18.96	19.05	18.98						
20	256QAM	100	0	18.92	19.06	18.88						
Channel												
Frequency (MHz)				2577.5	2586	2612.5					MPR (dB)	
15	QPSK	1	0	23.91	23.90	23.90			25.5	0		
15	QPSK	1	37	23.85	23.91	23.89						
15	QPSK	1	74	23.89	23.94	23.91						
15	QPSK	36	0	22.93	22.96	22.91						
15	QPSK	36	20	22.93	22.94	22.85						
15	QPSK	36	39	22.87	23.02	22.80			24.5	1		
15	QPSK	75	0	22.92	22.97	22.86						
15	16QAM	1	0	22.92	22.96	22.85						
15	16QAM	1	37	22.92	22.90	22.93						
15	16QAM	1	74	22.82	22.88	22.81						
15	16QAM	36	0	21.92	22.02	21.87			23.5	2		
15	16QAM	36	20	21.95	21.97	21.88						
15	16QAM	36	39	21.81	21.95	21.82						
15	16QAM	75	0	21.89	21.94	21.93						
15	64QAM	1	0	21.89	21.92	22.02						
15	64QAM	1	37	21.95	21.85	21.96			23.5	2		
15	64QAM	1	74	21.84	21.87	21.84						
15	64QAM	36	0	20.85	20.99	20.80						
15	64QAM	36	20	20.93	20.89	20.94						
15	64QAM	36	39	20.85	20.98	20.82						
15	64QAM	75	0	19.05	19.07	19.08			22.5	3		
15	256QAM	1	0	18.98	18.97	18.97						
15	256QAM	1	37	18.95	18.93	18.90						
15	256QAM	1	74	18.96	19.04	18.93						
15	256QAM	36	0	18.96	18.92	18.97						
15	256QAM	36	20	18.95	18.97	18.89			20.5	5		
15	256QAM	36	39	18.83	18.92	18.94						
15	256QAM	75	0	18.89	19.04	18.79						
Channel												
Frequency (MHz)				25760	25800	26200					MPR (dB)	
10	QPSK	1	0	23.89	24.01	23.88			25.5	0		
10	QPSK	1	25	23.87	23.94	23.92						
10	QPSK	1	49	23.87	23.92	23.87						
10	QPSK	25	0	22.95	22.96	22.90						
10	QPSK	25	12	23.03	22.95	22.81						
10	QPSK	25	25	22.89	22.95	22.79			24.5	1		
10	QPSK	50	0	22.90	22.91	22.91						
10	16QAM	1	0	22.93	22.97	22.91						
10	16QAM	1	25	22.91	22.96	22.89						
10	16QAM	49	0	22.87	22.95	22.88						
10	16QAM	25	0	21.97	22.04	21.87			23.5	2		
10	16QAM	25	12	21.82	21.94	21.88						
10	16QAM	25	25	21.91	21.95	21.78						
10	16QAM	50	0	21.80	22.01	21.83						
10	64QAM	1	0	21.97	21.93	22.03						
10	64QAM	1	25	21.94	21.93	22.00			23.5	2		
10	64QAM	1	49	21.75	21.92	22.00						
10	64QAM	25	0	20.94	20.95	20.94						
10	64QAM	25	12	20.94	20.94	20.86						
10	64QAM	25	25	20.86	21.00	20.85						
10	64QAM	50	0	20.90	20.94	20.96			22.5	3		
10	256QAM	1	0	18.96	19.04	19.00						
10	256QAM	1	25	18.98	18.97	18.94						
10	256QAM	1	49	18.96	18.98	18.91						
10	256QAM	25	0	18.89	18.95	18.85						
10	256QAM	25	12	18.93	19.03	18.91			20.5	5		
10	256QAM	25	25	18.88	18.87	18.94						
10	256QAM	50	0	18.81	18.93	18.83						
Channel												
Frequency (MHz)				37771	38000	38225					MPR (dB)	
5	QPSK	1	0	23.95	23.97	23.86			25.5	0		
5	QPSK	1	12	23.90	23.95	23.88						
5	QPSK	1	24	23.94	23.95	23.84						
5	QPSK	12	0	22.87	23.03	22.86						
5	QPSK	12	7	22.87	23.00	22.84						
5	QPSK	12	13	22.91	22.96	22.87			24.5	1		
5	QPSK	25	0	22.91	22.94	22.95						
5	16QAM	1	0	22.93	22.97	22.99						
5	16QAM	1	12	22.96	22.91	22.89						
5	16QAM	1	24	22.83	22.88	22.85						
5	16QAM	12	0	21.92	21.97	21.88			23.5	2		
5	16QAM	12	7	21.88	21.90	21.92						
5	16QAM	12	13	21.81	21.95	21.78						
5	16QAM	25	0	21.89	22.00	21.87						
5	64QAM	1	0	21.90	21.94	22.07						
5	64QAM	1	12	21.87	21.86	21.95			23.5	2		
5	64QAM	1	24	21.82	21.88	21.86						
5	64QAM	12	0	20.93	20.91	20.86						
5	64QAM	12	7	20.95	20.96	20.88						
5	64QAM	12	13	20.88	20.93	20.83						
5	64QAM	25	0	20.99	20.99	20.87			22.5	3		
5	256QAM	1	0	18.93	19.06	18.94						
5	256QAM	1	12	18.94	18.93	18.93						
5	256QAM	1	24	18.90	18.97	18.89						
5	256QAM	12	0	18.92	18.98	18.85						
5	256QAM	12	7	18.99	19.06	18.97			20.5	5		
5	256QAM	12	13	18.88	18.88	18.94						
5	256QAM	25	0	18.78	18.95	18.84						

Band 41 Ant6 DSI 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	2406	2408.5	2409	2409.5	2409		25.5	0	
20	QPSK	1	49	2400	2390	2408	2390	2400				
20	QPSK	1	99	2398	2390	2407	2390	2400				
20	QPSK	50	0	2305	2296	2313	2306	2312				
20	QPSK	50	24	2305	2288	2302	2289	2302				
20	QPSK	50	50	2293	2285	2308	2295	2302		24.5	1	
20	QPSK	100	0	2307	2297	2309	2297	2302				
20	16QAM	1	0	2307	2295	2309	2302	2304				
20	16QAM	1	49	2295	2293	2310	2286	2300		24.5	1	
20	16QAM	1	99	2284	2290	2302	2286	2303				
20	16QAM	50	0	2220	2197	2210	2208	2214				
20	16QAM	50	24	2220	2197	2207	2195	2208		23.5		
20	16QAM	50	50	2191	2186	2205	2192	2203				
20	16QAM	100	0	2208	2202	2217	2204	2210				
20	64QAM	1	0	2207	2193	2209	2207	2205		23.5		
20	64QAM	1	49	2196	2184	2206	2189	2199				
20	64QAM	1	99	2184	2191	2204	2193	2200				
20	64QAM	50	0	2101	2091	2108	2104	2113		22.5	3	
20	64QAM	50	24	2105	2085	2099	2095	2105				
20	64QAM	50	50	2094	2089	2112	2097	2103				
20	64QAM	100	0	2107	2097	2109	2096	2109		20.5	5	
20	256QAM	1	49	1808	1886	1901	1892	1908				
20	256QAM	1	99	1892	1885	1910	1893	1906				
20	256QAM	50	0	1890	1907	1918	1915	1904		20.5	5	
20	256QAM	50	24	1904	1891	1913	1898	1902				
20	256QAM	50	50	1893	1892	1905	1882	1903				
20	256QAM	100	0	1895	1886	1899	1903	1897		unit up limit	MPR (dB)	
Channel												
Frequency (MHz)												
15	QPSK	1	0	2400	2393	2402	2395	2399		26	0	
15	QPSK	1	37	2397	2385	2397	2386	2388				
15	QPSK	1	74	2392	2380	2399	2390	2390				
15	QPSK	36	0	2292	2282	2300	2293	2292				
15	QPSK	36	39	2284	2273	2300	2292	2289				
15	QPSK	75	0	2206	2292	2305	2286	2301		24.5	1	
15	QPSK	75	39	2291	2282	2300	2293	2292				
15	16QAM	1	37	2291	2286	2300	2283	2291				
15	16QAM	1	74	2284	2281	2293	2285	2292		24.5	1	
15	16QAM	36	0	2196	2195	2204	2199	2207				
15	16QAM	36	39	2187	2177	2194	2178	2198				
15	16QAM	75	0	2199	2199	2208	2196	2201		23.5	2	
15	16QAM	75	39	2201	2187	2202	2197	2204				
15	16QAM	1	37	2189	2181	2199	2180	2193				
15	16QAM	1	74	2189	2181	2191	2181	2188		23.5	2	
15	16QAM	36	0	2092	2080	2103	2096	2100				
15	16QAM	36	39	2093	2074	2087	2080	2092				
15	16QAM	75	0	2093	2083	2102	2094	2095		22.5	3	
15	16QAM	75	39	2109	2102	2105	2098	2101				
15	256QAM	1	0	1901	1891	1910	1905	1904				
15	256QAM	1	37	1905	1882	1891	1888	1902		20.5	5	
15	256QAM	1	74	1884	1882	1903	1881	1900				
15	256QAM	36	1903	1894	1895	1903	1896	1894				
15	256QAM	36	39	1902	1881	1896	1881	1894		20.5	5	
15	256QAM	75	0	1886	1889	1893	1875	1890				
15	256QAM	75	39	1886	1883	1891	1897	1885				
Channel												
Frequency (MHz)												
10	QPSK	1	0	3900	4060	4060	4060	4145		unit up limit	MPR (dB)	
10	QPSK	1	25	2405	2407	2405	2405	2390				
10	QPSK	1	25	2392	2384	2398	2386	2391				
10	QPSK	1	49	2392	2385	2404	2385	2391				
10	QPSK	25	0	2295	2284	2303	2293	2293				
10	QPSK	25	12	2295	2281	2304	2287	2291		24.5	1	
10	QPSK	25	25	2291	2271	2304	2286	2293				
10	QPSK	50	0	2299	2291	2301	2290	2303				
10	QPSK	50	25	2299	2286	2307	2290	2302		24.5	1	
10	QPSK	25	12	2293	2284	2303	2287	2291				
10	16QAM	1	49	2286	2288	2288	2296	2294				
10	16QAM	25	0	2190	2191	2200	2202	2201		23.5	2	
10	16QAM	25	12	2195	2173	2202	2179	2185				
10	16QAM	25	25	2179	2173	2193	2176	2187				
10	16QAM	50	0	2206	2197	2215	2195	2207		23.5	2	
10	16QAM	50	12	2199	2190	2204	2196	2200				
10	16QAM	1	25	2189	2183	2197	2183	2188				
10	16QAM	1	49	2186	2182	2193	2181	2186		23.5	2	
10	16QAM	25	0	2094	2090	2100	2099	2100				
10	16QAM	25	12	2094	2072	2096	2085	2093				
10	16QAM	25	25	2085	2076	2110	2085	2090		22.5	5	
10	16QAM	50	0	2101	2101	2101	2094	2097				
10	16QAM	50	12	2101	2093	2109	2098	2106				
10	256QAM	1	25	1899	1872	1894	1881	1896		20.5	5	
10	256QAM	1	49	1883	1875	1886	1882	1895				
10	256QAM	25	0	1888	1889	1913	1889	1892				
10	256QAM	25	12	1894	1886	1900	1889	1899		20.5	5	
10	256QAM	25	25	1884	1883	1903	1874	1899				
10	256QAM	50	0	1886	1879	1898	1892	1892				
Channel												
Frequency (MHz)												
5	QPSK	1	0	3985	4048	4060	4060	4195		unit up limit	MPR (dB)	
5	QPSK	1	12	2393	2392	2404	2396	2391				
5	QPSK	1	24	2389	2384	2403	2392	2396				
5	QPSK	12	0	2298	2289	2311	2294	2305				
5	QPSK	12	12	2298	2284	2311	2287	2305				
5	QPSK	12	24	2292	2273	2302	2287	2297		24.5	1	
5	QPSK	25	0	2284	2279	2303	2284	2291				
5	16QAM	1	0	2304	2292	2296	2290	2299				
5	16QAM	1	12	2298	2289	2308	2297	2307		24.5	1	
5	16QAM	1	24	2289	2277	2298	2284	2295				
5	16QAM	12	0	2191	2195	2202	2197	2209				
5	16QAM	12	7	2194	2180	2199	2178	2188		23.5	2	
5	16QAM	12	13	2184	2175	2194	2188	2192				
5	16QAM	25	0	2103	2105	2122	2103	2207				
5	16QAM	25	0	2201	2182	2206	2196	2193		23.5	2	
5	16QAM	1	24	2192	2181	2205	2176	2188				
5	16QAM	1	24	2183	2186	2197	2187	2186				
5	16QAM	12	13	2094	2081	2104	2094	2095		22.5	3	
5	16QAM	12	7	2093	2081	2099	2086	2093				
5	16QAM	12	13	2084	2087	2101	2094	2094				
5	16QAM	25	0	2108	2103	2105	2092	2095		20.5	5	
5	16QAM	25	12	2100	2093	2105	2092	2095				
5	256QAM	1	24	1838	1833	1889	1887	1901				
5	256QAM	1	24	1878	1881	1903	1888	1904		20.5	5	
5	256QAM	12	0	1892	1901	1905	1891	1900				
5	256QAM	12	7	1899	1882	1910	1891	1898				
5	256QAM	25	0	1891	1892	1902	1892	1895		20.5	5	
5	256QAM	25	0	1881	1881	1896	1899	1893				

		WCDMA II Ant7 DSI 4			WCDMA IV Ant7 DSI 4		
Band		WCDMA II			WCDMA IV		
TX Channel		9052	9400	9538	1312	1413	1513
RX Channel		8662	8900	8968	1337	1438	1728
Frequency (MHz)		1852.4	1869	1907.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.91	21.30	19.44	19.38
3GPP Rel 99	AMR 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.42
3GPP Rel 6	HSDPA Subtest-1	18.93	18.86	20.30	18.50	18.58	18.50
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.55
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.88	18.04
3GPP Rel 6	HSDPA Subtest-4	18.35	18.54	18.43	19.80	18.04	18.17
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.82	18.04
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	17.89	17.92
3GPP Rel 6	HSUPA Subtest-1	18.87	18.86	18.88	20.30	18.53	18.60
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.66	17.58
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09

Band 2 Ant7 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Turn-on time (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.10	20.23	20.09			21.6	0		
20	QPSK	1	8	19.92	20.12	19.99						
20	QPSK	1	99	19.94	20.04	19.91			20.6	1		
20	QPSK	50	0	19.99	19.15	19.12						
20	QPSK	50	24	19.01	19.02	19.14			20.6	1		
20	QPSK	50	50	19.02	19.08	19.06						
20	IQAM	1	0	19.06	19.15	19.09			20.6	1		
20	IQAM	1	49	19.01	19.20	19.05						
20	IQAM	1	99	19.12	19.14	19.10			19.6	2		
20	IQAM	50	0	19.14	19.14	19.09						
20	IQAM	50	24	19.15	19.15	19.17			19.6	2		
20	IQAM	50	50	19.10	19.20	19.15						
20	IQAM	100	0	19.14	19.23	19.07			19.6	2		
20	IQAM	1	49	17.99	19.27	19.03						
20	IQAM	1	99	19.05	19.26	19.11			18.6	3		
20	IQAM	50	24	17.16	17.15	17.05						
20	IQAM	50	50	17.05	17.21	17.10			18.6	3		
20	IQAM	100	0	17.02	17.22	17.10						
20	IQAM	1	0	15.19	15.29	15.30			16.6	5		
20	IQAM	1	99	15.22	15.29	15.28						
20	IQAM	50	0	15.26	15.42	15.32			16.6	5		
20	IQAM	50	24	15.21	15.48	15.23						
20	IQAM	50	50	15.22	15.38	15.23						
Channel												
Frequency (MHz)												
18	QPSK	1	0	18.05	18.65	18.50			21.6	0		
18	QPSK	1	8	17.97	18.16	18.02						
18	QPSK	1	49	18.00	19.04	18.94			20.6	1		
18	QPSK	25	0	18.98	19.04	19.07						
18	QPSK	25	12	18.98	19.08	19.04			20.6	1		
18	QPSK	25	25	18.98	19.03	19.01						
18	QPSK	50	0	19.01	19.13	19.06			20.6	1		
18	QPSK	1	0	19.06	19.05	19.02						
18	IQAM	1	25	18.94	18.18	18.90			20.6	1		
18	IQAM	1	49	19.02	18.93	18.90						
18	IQAM	25	0	18.04	17.99	17.99			19.6	2		
18	IQAM	25	12	18.00	18.10	18.03						
18	IQAM	25	12	18.07	18.08	18.07			19.6	2		
18	IQAM	50	0	18.05	18.10	18.00						
18	IQAM	1	0	17.95	18.21	18.00			19.6	2		
18	IQAM	1	49	18.01	18.15	18.08						
18	IQAM	1	99	18.06	18.22	18.01			18.6	3		
18	IQAM	25	0	16.95	17.06	16.90						
18	IQAM	25	12	17.02	17.07	17.00			18.6	3		
18	IQAM	25	25	16.96	17.16	17.03						
18	IQAM	50	0	16.91	17.15	17.02			16.6	5		
18	IQAM	1	0	16.11	15.29	15.23						
18	IQAM	1	25	15.11	15.21	15.16			16.6	5		
18	IQAM	1	49	15.19	15.21	15.26						
18	IQAM	25	0	15.33	15.30	15.18			16.6	5		
18	IQAM	25	12	15.11	15.41	15.20						
18	IQAM	25	25	15.14	15.20	15.11			16.6	5		
18	IQAM	50	0	15.25	15.30	15.28						
Channel												
Frequency (MHz)												
5	QPSK	1	0	5.05	20.06	20.02			21.6	0		
5	QPSK	1	12	19.85	20.00	19.93						
5	QPSK	1	24	19.89	19.91	19.87			20.6	1		
5	QPSK	1	99	19.86	19.95	19.87						
5	QPSK	12	7	19.86	19.87	19.05			20.6	1		
5	QPSK	12	13	19.85	19.86	19.99						
5	QPSK	25	0	19.81	19.11	19.18			20.6	1		
5	QPSK	1	0	19.01	19.05	19.00						
5	IQAM	1	12	18.95	19.14	19.00			20.6	1		
5	IQAM	1	49	19.06	19.00	19.07						
5	IQAM	12	0	18.06	18.00	17.98			19.6	2		
5	IQAM	12	7	18.03	18.09	18.09						
5	IQAM	12	13	18.03	18.14	18.05			19.6	2		
5	IQAM	25	0	18.00	18.10	18.04						
5	IQAM	1	0	17.89	18.15	17.87			19.6	2		
5	IQAM	1	12	17.49	18.17	17.90						
5	IQAM	1	24	17.90	18.15	17.88			18.6	3		
5	IQAM	12	0	16.86	17.02	16.86						
5	IQAM	12	7	17.04	17.02	16.99			18.6	3		
5	IQAM	12	13	16.94	17.08	17.00						
5	IQAM	25	0	16.91	17.16	16.96			16.6	5		
5	IQAM	1	0	15.15	15.20	15.19						
5	IQAM	1	12	15.19	15.20	15.12			16.6	5		
5	IQAM	1	24	15.29	15.21	15.22						
5	IQAM	12	0	15.30	15.36	15.09			16.6	5		
5	IQAM	12	7	15.11	15.36	15.21						
5	IQAM	12	13	15.21	15.31	15.12			16.6	5		
5	IQAM	25	0	15.14	15.30	15.25						
Channel												
Frequency (MHz)												
3	QPSK	1	0	3.03	20.00	20.08			21.6	0		
3	QPSK	1	8	19.78	20.11	19.88						
3	QPSK	1	14	19.83	19.90				20.6	1		
3	QPSK	8	4	18.85	19.02	19.04						
3	QPSK	8	12	18.85	19.02	19.04			20.6	1		
3	QPSK	15	0	19.00	19.11	19.95						
3	IQAM	1	0	19.06	19.10	19.05			20.6	1		
3	IQAM	1	8	19.01	19.22	19.04						
3	IQAM	1	14	19.04	19.03	19.97			19.6	2		
3	IQAM	8	0	18.07	18.06	18.04						
3	IQAM	8	8	18.07	18.06	18.04			19.6	2		
3	IQAM	8	7	17.98	18.05	18.01						
3	IQAM	15	0	17.97	18.07	18.01			19.6	2		
3	IQAM	1	0	17.98	18.18	17.90						
3	IQAM	1	8	17.98	18.17	17.95			19.6	2		
3	IQAM	8	0	16.87	16.84	16.97						
3	IQAM	8	8	16.87	16.84	16.97			18.6	3		
3	IQAM	8	7	17.02	17.00	17.03						
3	IQAM	1	0	15.15	15.20	15.19			16.6	5		
3	IQAM	1	14	15.19	15.26	15.24						
3	IQAM	8	0	15.26	15.39	15.18			16.6	5		
3	IQAM	8	8	15.26	15.38	15.21						
3	IQAM	8	7	15.11	15.34	15.17			16.6	5		
3	IQAM	15	0	15.23	15.22	15.25						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.21	20.08	20.02			21.6	0		
1.4	QPSK	1	20	19.13	19.09	19.04						
1.4	QPSK	1	5	19.36	20.11	20.05			20.6	1		
1.4	QPSK	3	0	19.37	19.17	19.04						
1.4	QPSK	3	3	19.08	19.08	19.07			20.6	1		
1.4	QPSK	3	3	20.21	20.12	20.04						
1.4	QPSK	6	0	19.36	20.20	19.11			20.6	1		
1.4	QPSK	3	3	19.36	19.11	19.04						
1.4	IQAM	1	3	19.10	19.16	19.06			20.6	1		
1.4	IQAM	1	5	19.09	19.25	19.13						
1.4	IQAM	3	3	19.07	19.21	19.13			19.6	2		
1.4	IQAM	3	5	19.07	19.21	19.13						
1.4	IQAM	3	7	19.08	19.21	19.13			19.6	2		
1.4	IQAM	1	0	18.11	18.24	18.05						
1.4	IQAM	1	5	18.11	18.26	18.14			19.6	2		
1.4	IQAM	1	5	18.16	18.20	18.07						
1.4	IQAM	3	3	18.11	18.19	18.10			19.6	2		
1.4	IQAM	3	5	18.12	18.20	18.08						
1.4	IQAM	6	0	17.11	17.39	17.08			18.6	3		
1.4	IQAM	3	3	15.10	15.17	15.04						
1.4	IQAM	3	3	15.10	15.24	15.03			18.6	3		
1.4	IQAM	3	5	15.06	15.10	15.03						
1.4	IQAM	3	3	15.15	15.23	15.07			16.6	5		
1.4	IQAM	3	5	15.17	15.10	15.03						
1.4	IQAM	3	3	15.10	15.17	15.04			16.6	5		
1.4	IQAM	3	5	15.06	15.10	15.03						

Band 25 Ant7 DSI 4										Band 26 Ant7 DSI 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MFR (dB)		BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MFR (dB)					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
20	QPSK	1	0	19.43	19.77	19.50	21.2	0		20	QPSK	1	0	19.15	19.18	18.19	19.6	0					
20	QPSK	1	49	19.45	19.44	19.45				20	QPSK	1	49	18.98	18.95	18.97							
20	QPSK	1	99	19.48	19.48	19.34				20	QPSK	1	99	18.94	18.94	18.94							
20	QPSK	50	0	19.53	19.75	19.49	20.2	1		20	QPSK	50	0	18.11	18.11	18.09	19.6	0					
20	QPSK	50	24	19.51	19.53	19.71				20	QPSK	50	24	18.12	18.11	18.04							
20	QPSK	50	50	19.48	19.63	19.69				20	QPSK	50	50	18.10	18.10	18.04							
20	16QAM	1	0	19.51	19.59	19.56	20.2	1		20	16QAM	1	0	18.05	18.11	18.09	19.6	0					
20	16QAM	1	49	19.47	19.81	19.56				20	16QAM	1	49	17.99	17.99	17.94							
20	16QAM	1	99	19.76	19.75	17.47				20	16QAM	1	99	17.88	17.97	18.06							
20	16QAM	50	0	17.66	17.73	17.47	19.2	2		20	16QAM	50	0	17.90	17.90	17.79	19.6	0					
20	16QAM	50	24	17.64	17.61	17.81				20	16QAM	50	24	17.88	17.84	17.94							
20	16QAM	50	50	17.58	17.66	17.64				20	16QAM	50	50	17.53	18.04	17.59							
20	16QAM	100	0	17.89	17.74	17.79	19.2	2		20	16QAM	100	0	17.89	17.79	17.79	19.6	0					
20	16QAM	1	0	17.57	17.72	17.55				20	16QAM	1	0	18.04	18.08	18.11							
20	16QAM	1	49	17.47	17.74	17.41				20	16QAM	1	49	18.04	18.01	17.57							
20	16QAM	50	0	17.47	17.75	17.56	18.2	3		20	16QAM	50	0	17.69	17.69	17.69	19.6	0					
20	16QAM	50	24	19.69	19.63	19.52				20	16QAM	50	24	17.61	17.49	17.54							
20	16QAM	50	50	19.55	19.73	19.58				20	16QAM	50	50	17.58	17.68	17.58							
20	256QAM	1	0	19.51	19.75	19.84	16.2	5		20	256QAM	1	0	17.59	17.65	17.59	17.1	0					
20	256QAM	30	0	14.81	14.89	14.59				20	256QAM	30	0	16.64	16.71	16.66							
20	256QAM	30	24	14.73	14.98	14.51				20	256QAM	30	24	16.53	16.58	16.53							
20	256QAM	36	39	14.81	14.75	14.55	16.2	5		20	256QAM	36	39	16.48	16.56	16.56	17.1	0					
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
15	QPSK	1	0	19.58	19.72	19.34			21.2	0		15	QPSK	1	0	17.15			17.15	17.23	19.6	0	
15	QPSK	1	37	19.33	19.36	19.42		15			QPSK	1	37	17.16	17.16	17.16							
15	QPSK	1	74	19.42	19.37	19.28		15			QPSK	1	74	17.18	17.97	17.99							
15	QPSK	36	0	19.25	19.66	19.38	20.2	1		15	QPSK	36	0	18.06	18.05	17.88	19.6	0					
15	QPSK	36	36	19.45	19.49	19.59				15	QPSK	36	36	17.98	17.98	17.98							
15	QPSK	36	39	19.43	19.50	19.52				15	QPSK	36	39	17.94	18.02	18.02							
15	16QAM	1	0	19.63	19.82	19.59	20.2	1		15	16QAM	1	0	17.59	18.04	18.07	19.6	0					
15	16QAM	1	74	19.52	19.57	19.52				15	16QAM	1	74	17.94	17.89	18.02							
15	16QAM	1	37	19.40	19.70	19.50				15	16QAM	1	37	17.84	17.89	17.89							
15	16QAM	36	0	17.59	17.69	17.41	19.2	2		15	16QAM	36	0	17.85	18.01	17.95	19.6	0					
15	16QAM	36	30	17.57	17.55	17.56				15	16QAM	36	30	17.86	17.84	17.86							
15	16QAM	75	0	17.48	17.67	17.63				15	16QAM	75	0	17.83	17.83	17.83							
15	16QAM	1	0	17.51	17.59	17.49	19.2	2		15	16QAM	1	0	17.63	18.00	18.04	19.6	0					
15	16QAM	1	37	17.56	17.65	17.52				15	16QAM	1	37	17.67	17.91	17.94							
15	16QAM	1	74	17.41	17.70	17.44				15	16QAM	1	74	17.61	17.89	17.89							
15	16QAM	36	0	19.42	19.58	19.47	18.2	3		15	16QAM	36	0	17.64	17.66	17.64	19.1	0.5					
15	16QAM	36	39	19.42	19.55	19.43				15	16QAM	36	39	17.64	17.64	17.64							
15	16QAM	36	39	19.42	19.55	19.43				15	16QAM	36	39	17.68	17.48	17.59							
15	16QAM	75	0	19.48	19.60	19.53	16.2	5		15	16QAM	75	0	17.46	17.59	17.54	17.1	2.5					
15	256QAM	1	0	14.84	14.85	14.86				15	256QAM	1	0	15.44	15.44	15.44							
15	256QAM	1	37	14.52	14.85	14.59				15	256QAM	1	37	15.42	15.47	15.53							
15	256QAM	1	74	14.73	14.75	14.59	16.2	5		15	256QAM	1	74	15.39	15.43	15.42	17.1	2.5					
15	256QAM	30	0	14.81	14.75	14.54				15	256QAM	30	0	15.42	15.58	15.54							
15	256QAM	30	24	14.54	14.98	14.51				15	256QAM	30	24	15.45	15.55	15.45							
15	256QAM	36	39	14.81	14.75	14.55	16.2	5		15	256QAM	36	39	15.38	15.44	15.39	17.1	2.5					
15	256QAM	75	0	14.66	14.75	14.77				15	256QAM	75	0	15.42	15.54	15.54							
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
10	QPSK	1	0	19.54	19.64	19.47	21.2	0		10	QPSK	1	0	17.15	17.15	17.23	19.6	0					
10	QPSK	1	12	19.36	19.50	19.40				10	QPSK	1	12	17.16	17.16	17.16							
10	QPSK	1	24	19.33	19.35	19.27				10	QPSK	1	24	17.18	17.97	17.97							
10	QPSK	12	0	19.33	19.67	19.36	20.2	1		10	QPSK	12	0	18.06	18.05	18.00	19.6	0					
10	QPSK	12	7	19.39	19.49	19.56				10	QPSK	12	7	18.00	18.08	17.92							
10	QPSK	12	13	19.44	19.59	19.55				10	QPSK	12	13	17.97	17.97	17.97							
10	16QAM	1	0	19.57	19.65	19.40	20.2	1		10	16QAM	1	0	17.59	18.01	17.99	19.6	0					
10	16QAM	1	12	19.42	19.72	19.44				10	16QAM	1	12	17.56	18.01	17.99							
10	16QAM	1	14	19.69	19.67	19.51				10	16QAM	1	14	17.57	17.85	17.93							
10	16QAM	12	0	17.53	17.69	17.34	19.2	2		10	16QAM	12	0	17.62	18.04	17.91	19.6	0					
10	16QAM	12	7	17.53	17.54	17.54				10	16QAM	12	7	17.59	17.75	17.80							
10	16QAM	12	13	17.52	17.63	17.54				10	16QAM	12	13	17.65	17.96	17.91							
10	16QAM	25	0	17.54	17.62	17.59	19.2	2		10	16QAM	25	0	17.67	18.04	17.89	19.6	0					
10	16QAM	1	0	17.49	17.56	17.39				10	16QAM	25	0	17.67	17.97	17.91							
10	16QAM	1	12	17.35	17.60	17.27				10	16QAM	25	12	17.61	17.90	17.81							
10	16QAM	1	24	17.52	17.64	17.50	18.2	3		10	16QAM	24	17.51	17.88	17.89	19.1	0.5						
10	16QAM	12	0	19.35	19.64	19.46				10	16QAM	12	13	17.63	17.96			17.96					
10	16QAM	12	7	19.51	19.49	19.55				10	16QAM	12	13	17.63	17.49			17.56					
10	16QAM	25	0	19.53	19.65	19.51	16.2	5		10	256QAM	1	0	15.44	15.44	15.44	17.1	2.5					
10	256QAM	1	0	14.57	14.67	14.59				10	256QAM	1	0	15.51	15.65	15.57							
10	256QAM	1	12	14.63	14.90	14.72				10	256QAM	1	12	14.60	14.99	14.95							
10	256QAM	1	24	14.63	14.74	14.62	16.2	5		10	256QAM	1	24	14.58	15.48	15.48	17.1	2.5					
10	256QAM	12	0	14.74	14.75	14.48				10	256QAM	12	0	15.47	15.58	15.47							
10	256QAM	12	7	14.66	14.97	14.57				10	256QAM	12	7	15.45	15.53	15.46							
10	256QAM	12	13	14.80	14.77	14.61	16.2	5		10	256QAM	12	13	15.46	15.53	15.46	17.1	2.5					
10	256QAM	25	0	14.76	14.75	14.77				10	256QAM	25	0	15.48	15.51	15.46							
Channel										Channel													
Frequency (MHz)										Frequency (MHz)													
14	QPSK	1	0	19.50	19.72	19.42	21.2	0		14	QPSK	1	0	18.09	18.11	18.09	19.6	0					
14	QPSK	1	9	19.52	19.52	19.37				14	QPSK	1	9	18.06	17.92	18.01							
14	QPSK	1	18	19.50	19.52	19.42				14	QPSK	1	18	18.07	18.00	18.00							
14	QPSK	8	0	19.28	19.57	19.37	20.2	1		14	QPSK	8	0	18.05	18.13	17.94	19.6	0					
14	QPSK	8	4	19.36	19.48	19.36				14	QPSK	8	4	18.09	18.07	17.93							
14	QPSK	8	13	19.39	19.52	19.39				14	QPSK	8	13	18.02	17.99	17.99							
14	QPSK	16	0	19.67	19.64	19.39	20.2	1		14	QPSK	16	0	17.93	18.00	17.98	19.6	0					
14	16QAM	1	0	19.40	19.42	19.41				14	16QAM	1	0	17.93	18.00	17.92							
14	16QAM	1	18	19.42	19.85	19.40				14	16QAM												

Band 38 Ant7 DSI 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power High Ch. / Freq	Turn-up (ms)	MPR (dB)			
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	20.20	20.25	20.18				21.8	0	
20	QPSK	1	49	20.20	20.16	20.10						
20	QPSK	1	99	20.08	20.23	20.12						
20	QPSK	50	0	20.11	20.23	20.10						
20	QPSK	50	24	20.11	20.13	20.11				21.8	0	
20	QPSK	50	50	20.19	20.22	20.06						
20	QPSK	100	0	20.15	20.16	20.14						
20	16QAM	1	0	20.17	20.12	20.17						
20	16QAM	1	49	20.19	20.16	20.08				21.8	0	
20	16QAM	1	99	20.14	20.17	20.09						
20	16QAM	50	0	19.74	19.73	19.81						
20	16QAM	50	24	19.85	19.87	19.85				21.3	0.5	
20	16QAM	50	50	19.75	19.68	19.66						
20	16QAM	100	0	19.67	19.72	19.81						
20	64QAM	1	0	19.71	19.73	19.81				21.3	0.5	
20	64QAM	1	49	19.68	19.72	19.84						
20	64QAM	1	99	19.74	19.72	19.70						
20	64QAM	50	0	18.74	18.65	18.70						
20	64QAM	50	24	18.68	18.65	18.69				20.3	1.5	
20	64QAM	50	50	18.67	18.71	18.84						
20	64QAM	100	0	18.70	18.72	18.63						
20	256QAM	1	0	16.66	16.69	16.81				18.3	3.5	
20	256QAM	1	49	16.65	16.70	16.65						
20	256QAM	1	99	16.72	16.66	16.65						
20	256QAM	50	0	16.65	16.68	16.68						
20	256QAM	50	24	16.70	16.67	16.63				18.3	3.5	
20	256QAM	50	50	16.69	16.76	16.85						
20	256QAM	100	0	16.73	16.65	16.81						
Channel				37825	38000	38175		Turn-up (ms)	MPR (dB)			
Frequency (MHz)				2580	2595	2615						
15	QPSK	1	0	20.11	20.13	20.09						
15	QPSK	1	37	20.14	20.03	20.03			21.8	0		
15	QPSK	1	74	19.92	20.12	19.98						
15	QPSK	36	0	19.98	20.08	20.04						
15	QPSK	36	39	20.13	20.15	19.91						
15	QPSK	75	0	20.10	20.03	20.05						
15	16QAM	1	0	20.12	20.07	20.08						
15	16QAM	1	37	20.09	20.02	20.04			21.8	0		
15	16QAM	1	74	20.03	20.07	20.02						
15	16QAM	36	0	19.82	19.89	19.87						
15	16QAM	36	20	19.57	19.57	19.81				21.3	0.5	
15	16QAM	36	39	19.62	19.57	19.58						
15	16QAM	75	0	19.58	19.61	19.45						
15	64QAM	1	0	19.59	19.60	19.56				21.3	0.5	
15	64QAM	1	37	19.59	19.60	19.56						
15	64QAM	1	74	19.63	19.62	19.63						
15	64QAM	36	0	18.61	18.57	18.65						
15	64QAM	36	20	18.53	18.52	18.58				20.3	1.5	
15	64QAM	36	39	18.51	18.55	18.58						
15	64QAM	75	0	18.66	18.64	18.57						
15	256QAM	1	0	16.55	16.54	16.52				18.3	3.5	
15	256QAM	1	37	16.56	16.65	16.54						
15	256QAM	1	74	16.67	16.53	16.61						
15	256QAM	36	0	16.60	16.59	16.56						
15	256QAM	36	20	16.65	16.62	16.50				18.3	3.5	
15	256QAM	36	39	16.62	16.65	16.59						
15	256QAM	75	0	16.58	16.57	16.46						
Channel				37800	38000	38200		Turn-up (ms)	MPR (dB)			
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	20.05	20.16	20.00				21.8	0	
10	QPSK	1	25	20.14	20.12	20.01						
10	QPSK	1	49	19.96	20.16	20.03						
10	QPSK	25	0	19.98	20.08	20.01						
10	QPSK	25	12	19.96	20.03	19.98				21.8	0	
10	QPSK	25	25	20.07	20.16	20.02						
10	QPSK	50	0	20.08	20.05	20.06						
10	16QAM	1	0	20.02	20.08	20.08						
10	16QAM	1	25	20.11	20.08	20.00				21.8	0	
10	16QAM	1	49	20.07	20.12	20.05						
10	16QAM	25	0	19.62	19.66	19.45						
10	16QAM	25	12	19.51	19.59	19.59				21.3	0.5	
10	16QAM	25	25	19.60	19.60	19.59						
10	16QAM	50	0	19.60	19.66	19.50						
10	64QAM	1	0	19.61	19.65	19.52						
10	64QAM	1	25	19.59	19.66	19.50				21.3	0.5	
10	64QAM	1	49	19.62	19.64	19.59						
10	64QAM	25	0	18.70	18.54	18.57						
10	64QAM	25	12	18.62	18.60	18.59				20.3	1.5	
10	64QAM	25	25	18.63	18.61	18.59						
10	64QAM	50	0	18.57	18.62	18.59						
10	256QAM	1	0	16.58	16.64	16.54						
10	256QAM	1	25	16.55	16.56	16.60				18.3	3.5	
10	256QAM	1	49	16.62	16.60	16.60						
10	256QAM	25	0	16.53	16.61	16.62						
10	256QAM	25	12	16.55	16.59	16.51				18.3	3.5	
10	256QAM	25	25	16.58	16.66	16.51						
10	256QAM	50	0	16.62	16.58	16.50						
Channel				37775	38000	38225		Turn-up (ms)	MPR (dB)			
Frequency (MHz)				2577.5	2595	2617.5						
5	QPSK	1	0	20.09	20.04	20.09						
5	QPSK	1	12	20.10	20.10	19.97				21.8	0	
5	QPSK	1	24	19.98	20.09	19.97						
5	QPSK	12	0	19.97	20.03	20.06						
5	QPSK	12	7	20.04	20.03	19.99						
5	QPSK	12	13	20.04	20.14	19.97				21.8	0	
5	QPSK	25	0	20.10	20.02	20.06						
5	16QAM	1	0	20.08	20.04	20.06						
5	16QAM	1	12	20.06	20.03	20.06				21.8	0	
5	16QAM	1	24	20.08	20.03	20.03						
5	16QAM	12	0	19.66	19.68	19.56						
5	16QAM	12	7	19.55	19.55	19.55				21.3	0.5	
5	16QAM	12	13	19.67	19.58	19.57						
5	16QAM	25	0	19.53	19.66	19.57						
5	64QAM	1	0	19.59	19.61	19.53						
5	64QAM	1	12	19.60	19.59	19.52				21.3	0.5	
5	64QAM	1	24	19.60	19.56	19.63						
5	64QAM	12	0	18.65	18.54	18.64						
5	64QAM	12	7	18.53	18.61	18.55				20.3	1.5	
5	64QAM	12	13	18.52	18.59	18.53						
5	64QAM	25	0	18.63	18.62	18.56						
5	256QAM	1	0	16.58	16.59	16.50				18.3	3.5	
5	256QAM	1	12	16.58	16.56	16.60						
5	256QAM	1	24	16.60	16.57	16.59						
5	256QAM	12	0	16.60	16.62	16.62						
5	256QAM	12	7	16.55	16.56	16.58				18.3	3.5	
5	256QAM	12	13	16.60	16.58	16.58						
5	256QAM	25	0	16.64	16.56	16.58						

Band 42 Ant10 DSI4										
BW [MHz]	Modulation on RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dbm)	MPR (db)			
Channel			42150	42590	42990					
Frequency (MHz)			3450	3500	3540					
20	QPSK	1 0	24.92	25.06	24.97		20	0		
20	QPSK	1 49	24.91	25.02	24.88					
20	QPSK	1 99	24.91	24.97	24.87		25	1		
20	QPSK	50 0	23.94	24.15	23.99					
20	QPSK	50 24	23.92	24.10	24.03					
20	QPSK	50 50	23.89	24.00	23.93					
20	16QAM	1 0	23.97	24.06	23.99		25	1		
20	16QAM	1 49	23.97	24.07	23.99					
20	16QAM	1 99	24.00	24.11	23.94					
20	16QAM	50 0	22.99	23.03	22.98					
20	16QAM	50 24	23.05	23.09	23.08		24	2		
20	16QAM	50 50	22.95	23.10	22.97					
20	16QAM	100 0	22.97	23.08	23.03					
20	64QAM	1 0	22.90	23.15	22.95					
20	64QAM	1 49	22.93	23.18	22.97		24	2		
20	64QAM	1 99	22.98	23.14	23.02					
20	64QAM	50 0	21.89	22.12	22.03					
20	64QAM	50 24	21.88	22.12	22.04					
20	64QAM	50 50	22.02	22.13	21.93		23	3		
20	256QAM	1 0	19.95	20.07	20.07					
20	256QAM	1 49	19.94	20.13	19.97					
20	256QAM	1 99	19.95	20.02	19.96		21	5		
20	256QAM	50 0	19.88	20.08	20.00					
20	256QAM	50 24	19.91	20.13	20.00					
20	256QAM	50 50	19.97	20.18	19.92					
20	256QAM	100 0	19.88	20.10	20.05		21	5		
Frequency (MHz)			3457.5	3500	3542.5					
15	QPSK	1 0	24.84	25.00	24.89				20	0
15	QPSK	1 37	24.76	24.93	24.76					
15	QPSK	1 74	24.83	24.88	24.73		25		1	
15	QPSK	36 0	23.90	23.97	23.86					
15	QPSK	36 20	23.83	24.02	23.95					
15	QPSK	36 39	23.75	23.88	23.83					
15	QPSK	75 0	23.92	24.05	23.95		25	1		
15	16QAM	1 0	23.86	24.00	23.86					
15	16QAM	1 37	23.86	23.93	23.85					
15	16QAM	1 74	23.95	24.03	23.81					
15	16QAM	36 0	22.83	22.88	22.84		24	2		
15	16QAM	36 20	22.91	23.00	22.86					
15	16QAM	36 39	22.80	23.00	22.89					
15	16QAM	75 0	22.86	22.96	22.92					
15	64QAM	1 0	22.80	23.10	22.81		24	2		
15	64QAM	1 37	22.78	23.07	22.86					
15	64QAM	1 74	22.91	23.00	22.98					
15	64QAM	36 0	21.85	22.06	21.88					
15	64QAM	36 20	21.85	21.98	21.98		23	3		
15	64QAM	36 39	21.93	22.07	21.81					
15	64QAM	75 0	21.80	22.06	21.85					
15	256QAM	1 0	19.85	20.01	19.92					
15	256QAM	1 37	19.79	20.06	19.90		21	5		
15	256QAM	1 74	19.80	19.96	19.89					
15	256QAM	36 0	19.75	19.97	19.90					
15	256QAM	36 20	19.87	19.98	19.91					
15	256QAM	36 39	19.91	20.02	19.78		21	5		
15	256QAM	75 0	19.76	19.97	19.92					
Channel			42140	42590	43040	↑↑↑↑↑	MPR (db)			
Frequency (MHz)			3454.5	3500	3544.5					
10	QPSK	1 0	24.83	24.94	24.86		20	0		
10	QPSK	1 25	24.78	24.86	24.74					
10	QPSK	1 49	24.79	24.90	24.76		25	1		
10	QPSK	25 0	23.82	23.93	23.83					
10	QPSK	25 12	23.83	23.96	23.91					
10	QPSK	25 25	23.85	23.96	23.81					
10	QPSK	50 0	23.95	24.00	23.86		25	1		
10	16QAM	1 0	23.83	23.90	23.92					
10	16QAM	1 25	23.90	23.94	23.91					
10	16QAM	1 49	23.85	24.02	23.86					
10	16QAM	25 0	22.83	22.94	22.92		24	2		
10	16QAM	25 12	22.97	22.99	22.96					
10	16QAM	25 25	22.80	22.99	22.92					
10	16QAM	50 0	22.85	22.96	22.94					
10	64QAM	1 0	22.75	23.03	22.85		24	2		
10	64QAM	1 25	22.79	23.07	22.85					
10	64QAM	1 49	22.90	23.03	22.89					
10	64QAM	25 0	21.80	22.04	21.86					
10	64QAM	25 12	21.91	22.07	21.94		23	3		
10	64QAM	25 25	21.99	22.03	21.78					
10	64QAM	50 0	21.83	22.03	21.86					
10	256QAM	1 0	19.87	19.92	20.00					
10	256QAM	1 25	19.81	20.02	19.87		21	5		
10	256QAM	1 49	19.86	19.97	19.85					
10	256QAM	25 0	19.76	20.04	19.94					
10	256QAM	25 12	19.78	20.00	19.93					
10	256QAM	25 25	19.95	20.06	19.95		21	5		
10	256QAM	50 0	19.74	20.05	19.94					
Channel			42115	42590	43065	↑↑↑↑↑	MPR (db)			
Frequency (MHz)			3452.5	3500	3547.5					
5	QPSK	1 0	24.83	24.90	24.82		20	0		
5	QPSK	1 12	24.76	24.80	24.81					
5	QPSK	1 24	24.75	24.92	24.79		25	1		
5	QPSK	12 0	23.90	23.92	23.81					
5	QPSK	12 7	23.78	23.90	23.84					
5	QPSK	12 13	23.78	23.90	23.84					
5	QPSK	25 0	23.95	24.03	23.93		25	1		
5	16QAM	1 0	23.87	24.00	23.83					
5	16QAM	1 12	23.85	23.97	23.94					
5	16QAM	1 24	23.95	24.00	23.82					
5	16QAM	12 0	22.83	22.96	22.91		24	2		
5	16QAM	12 7	22.96	22.99	22.95					
5	16QAM	12 13	22.90	23.05	22.92					
5	16QAM	25 0	22.84	22.92	22.88					
5	64QAM	1 0	22.89	23.09	22.90		24	2		
5	64QAM	1 12	22.83	23.07	22.93					
5	64QAM	12 0	21.83	22.02	21.90					
5	64QAM	12 7	21.88	22.07	21.93					
5	64QAM	12 13	21.88	22.07	21.79		23	3		
5	64QAM	25 0	21.90	22.06	21.87					
5	256QAM	1 0	19.89	19.96	20.00					
5	256QAM	1 12	19.88	20.06	19.89					
5	256QAM	1 24	19.97	19.90	19.87		21	5		
5	256QAM	12 0	19.82	20.03	19.94					
5	256QAM	12 7	19.77	19.99	19.95					
5	256QAM	12 13	19.87	20.06	19.77					
5	256QAM	25 0	19.75	20.05	19.97					

Band 48 Ant10 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dbm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3590	3600	3641	3690		
20	QPSK	1	0	23.29	23.37	23.31	23.36		25
20	QPSK	1	49	23.37	23.38	23.30	23.36		
20	QPSK	1	99	23.48	23.47	23.39	23.40		24
20	QPSK	50	0	22.48	22.61	22.50	22.47		
20	QPSK	50	24	22.47	22.51	22.49	22.54		
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		24
20	16QAM	1	0	22.43	22.56	22.40	22.47		
20	16QAM	1	49	22.52	22.55	22.55	22.52		
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40		23
20	16QAM	50	24	21.46	21.59	21.47	21.46		
20	16QAM	50	50	21.42	21.49	21.48	21.41		23
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	16QAM	1	0	21.41	21.54	21.41	21.51		
20	16QAM	1	49	21.50	21.56	21.48	21.53		
20	16QAM	1	99	21.37	21.56	21.39	21.42		22
20	16QAM	50	0	20.35	20.53	20.39	20.47		
20	16QAM	50	24	20.38	20.60	20.39	20.57		
20	16QAM	50	50	20.48	20.66	20.47	20.51		
20	16QAM	100	0	20.46	20.65	20.43	20.47		20
20	256QAM	1	0	18.37	18.52	18.51	18.36		
20	256QAM	1	49	18.47	18.55	18.52	18.46		
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.53	18.46	18.46	18.38		20
20	256QAM	50	24	18.42	18.55	18.40	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55715	56015	56342	56692	HP up	MPR (dB)
Frequency (MHz)				3657.5	3668	3642	3692.5		
15	QPSK	1	0	23.21	23.48	23.22	23.22		25
15	QPSK	1	37	23.30	23.31	23.22	23.26		
15	QPSK	1	74	23.40	23.33	23.33	23.25		24
15	QPSK	36	0	22.32	22.41	22.35	22.40		
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	36	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.46		24
15	16QAM	1	0	22.24	22.42	22.32	22.40		
15	16QAM	1	37	22.44	22.48	22.42	22.40		
15	16QAM	1	74	23.21	23.38	23.26	23.35		
15	16QAM	36	0	21.35	21.54	21.36	21.35		23
15	16QAM	36	20	21.47	21.49	21.41	21.37		
15	16QAM	36	36	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	16QAM	1	0	21.37	21.46	21.34	21.39		23
15	16QAM	1	37	21.28	21.37	21.26	21.33		
15	16QAM	1	74	21.23	21.37	21.26	21.35		
15	16QAM	36	0	20.29	20.37	20.29	20.33		
15	16QAM	36	20	20.32	20.55	20.33	20.37		23
15	16QAM	36	36	20.42	20.51	20.36	20.32		
15	16QAM	75	0	20.37	20.49	20.36	20.38		
15	16QAM	1	0	18.30	18.48	18.38	18.27		
15	256QAM	1	37	18.31	18.46	18.41	18.36		20
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45		
15	256QAM	36	18	18.30	18.48	18.38	18.27		
15	256QAM	36	36	18.30	18.50	18.44	18.33		20
15	256QAM	75	0	18.31	18.45	18.36	18.35		
Channel				55290	55815	56165	56590	HP up	MPR (dB)
Frequency (MHz)				3609.5	3601.5	3616	3609.5		
10	QPSK	1	0	23.23	23.44	23.16	23.25		25
10	QPSK	1	49	23.31	23.33	23.14	23.22		
10	QPSK	1	99	23.41	23.34	23.31	23.27		24
10	QPSK	25	0	22.24	22.47	22.37	22.45		
10	QPSK	25	12	22.27	22.39	22.36	22.40		
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38		24
10	16QAM	1	0	22.24	22.44	22.25	22.32		
10	16QAM	1	49	22.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.36		
10	16QAM	25	12	21.36	21.47	21.31	21.48		23
10	16QAM	25	25	21.37	21.58	21.32	21.46		
10	16QAM	50	0	21.36	21.47	21.25	21.37		
10	16QAM	1	0	21.38	21.40	21.34	21.44		
10	16QAM	1	25	21.32	21.34	21.27	21.36		23
10	16QAM	49	21.25	20.46	21.48	21.24	21.35		
10	16QAM	25	20	20.35	20.46	20.36	20.38		
10	16QAM	25	12	20.31	20.44	20.32	20.39		
10	16QAM	25	20	20.34	20.55	20.41	20.37		22
10	16QAM	50	0	20.30	20.43	20.33	20.25		
10	16QAM	1	0	18.34	18.46	18.36	18.27		
10	16QAM	1	25	18.34	18.45	18.48	18.36		
10	256QAM	1	49	18.41	18.42	18.38	18.20		20
10	256QAM	25	0	18.38	18.42	18.41	18.38		
10	256QAM	25	12	18.37	18.46	18.36	18.30		
10	256QAM	25	25	18.41	18.49	18.36	18.41		
10	256QAM	1	0	18.29	18.47	18.41	18.44		20
10	256QAM	1	50	18.585	55810	56170	56175		
Channel				55823.5	56015	56170.5	56592.5	HP up	MPR (dB)
Frequency (MHz)				3723	3742	3737	3737		
5	QPSK	1	12	23.23	23.33	23.25	23.25		25
5	QPSK	1	24	23.31	23.33	23.24	23.25		
5	QPSK	12	0	22.32	22.50	22.36	22.42		24
5	QPSK	12	13	22.28	22.45	22.34	22.38		
5	QPSK	25	0	22.27	22.47	22.32	22.45		
5	16QAM	1	0	22.34	22.51	22.31	22.40		
5	16QAM	1	12	22.38	22.47	22.50	22.47		24
5	16QAM	12	0	21.28	21.48	21.33	21.41		
5	16QAM	12	7	21.34	21.56	21.31	21.41		
5	16QAM	12	13	21.33	21.40	21.41	21.32		
5	16QAM	25	0	21.29	21.47	21.32	21.34		23
5	16QAM	1	0	21.25	21.48	21.32	21.47		
5	16QAM	1	12	21.30	21.43	21.31	21.34		
5	16QAM	1	24	21.31	21.52	21.30	21.31		
5	16QAM	25	0	20.26	20.45	20.32	20.38		22
5	16QAM	12	7	20.32	20.50	20.25	20.35		
5	16QAM	12	13	20.37	20.53	20.43	20.26		
5	16QAM	25	0	20.40	20.54	20.31	20.30		
5	256QAM	1	18	18.29	18.37	18.36	18.24		20
5	256QAM	12	18	18.32	18.43	18.38	18.38		
5	256QAM	1	24	18.30	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34		
5	256QAM	12	7	18.37	18.50	18.32	18.28		20
5	256QAM	12	18	18.41	18.43	18.38	18.38		
5	256QAM	25	0	18.39	18.43	18.34	18.26		

Reduced Power Mode for DSI5_Main PA

GSM850 Ant0 DSI 5								
GSM850 Ant0	Burst Average Power (dBm)			Timeup Limit (dBm)	Frame-Average Power (dBm)			Timeup Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	128	189	251	128	189
Frequency (MHz)	128	189	251	128	189	251	128	189
GSM 1 Tx slot	33.51	33.25	33.61	34.00	24.51	24.25	24.61	25.00
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00
GPRS 2 Tx slot	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00
GPRS 3 Tx slot	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94
GPRS 4 Tx slot	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00
EDGE 2 Tx slot	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00
EDGE 3 Tx slot	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94
EDGE 4 Tx slot	20.31	20.81	20.34	22.00	17.31	17.81	17.34	19.00
WCDMA V Ant0 DSI 5								
Band	WCDMA V			Time-up Limit (dBm)				
	4132	4162	4233					
TX Channel	4132	4162	4233	4132	4162	4233	4132	4162
Rel Channel	4387	4467	4468	4387	4467	4468	4387	4467
Frequency (MHz)	4387	4467	4468	4387	4467	4468	4387	4467
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00			
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00			
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00			
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00			
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50			
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50			
3GPP Rel 8	DC-HSDPA Subtest-1	23.48	23.40	23.37	24.00			
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00			
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50			
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50			
3GPP Rel 6	HSPA Subtest-1	23.39	23.43	23.36	24.00			
3GPP Rel 6	HSPA Subtest-2	21.46	21.45	21.33	22.00			
3GPP Rel 6	HSPA Subtest-3	22.38	22.39	22.38	23.00			
3GPP Rel 6	HSPA Subtest-4	21.44	21.47	21.39	22.00			
3GPP Rel 6	HSPA Subtest-5	23.42	23.41	23.36	24.00			
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50			

Band 5 DSI 5										
BW (MHz)	Modulation on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel 20425										
Frequency (MHz)										
10	QPSK	1	0	25.17	25.25	25.18				
10	QPSK	1	25	25.04	25.20	25.08	25.7	0		
10	QPSK	1	49	25.04	25.17	25.14				
10	QPSK	25	0	24.13	24.28	24.12				
10	QPSK	25	12	24.06	24.24	24.13	24.7	1		
10	QPSK	25	25	24.03	24.14	24.10				
10	QPSK	50	0	24.22	24.27	24.21				
10	16QAM	1	0	24.12	24.26	24.23				
10	16QAM	1	25	24.05	24.14	24.08	24.7	1		
10	16QAM	1	49	24.00	24.18	24.18				
10	16QAM	25	0	23.18	23.27	23.18				
10	16QAM	25	12	23.06	23.30	23.12	23.7	2		
10	16QAM	25	25	22.99	23.10	23.14				
10	16QAM	50	0	23.28	23.21	23.24				
10	64QAM	1	0	23.08	23.27	23.27				
10	64QAM	1	25	22.99	23.09	23.06	23.7	2		
10	64QAM	1	49	23.01	23.22	23.21				
10	64QAM	25	0	22.13	22.22	22.08				
10	64QAM	25	12	22.00	22.25	22.11	22.7	3		
10	64QAM	25	25	22.05	22.31	22.13				
10	64QAM	50	0	22.16	22.23	22.18				
10	256QAM	1	0	20.16	20.33	20.15				
10	256QAM	1	25	20.05	20.20	20.08	20.7	5		
10	256QAM	1	49	20.07	20.10	20.05				
10	256QAM	25	0	20.26	20.32	20.21				
10	256QAM	25	12	20.09	20.24	20.18	20.7	5		
10	256QAM	25	25	20.01	20.13	20.05				
10	256QAM	50	0	20.03	20.17	20.18				
Channel 20415										
Frequency (MHz)										
5	QPSK	1	0	25.08	25.14	25.10				
5	QPSK	1	12	24.95	25.04	25.04	25.7	0		
5	QPSK	1	24	24.95	25.04	25.08				
5	QPSK	12	0	24.10	24.23	24.05				
5	QPSK	12	7	23.95	24.17	24.09	24.7	1		
5	QPSK	12	13	23.98	24.03	24.00				
5	QPSK	25	0	24.18	24.17	24.09				
5	16QAM	1	0	24.01	24.14	24.15				
5	16QAM	1	12	24.01	24.10	24.04				
5	16QAM	1	24	23.91	24.07	24.14				
5	16QAM	12	0	23.10	23.20	23.05				
5	16QAM	12	7	23.05	23.17	23.02	23.7	2		
5	16QAM	12	13	23.05	23.04	23.03				
5	16QAM	25	0	23.21	23.09	23.22				
5	64QAM	1	0	23.02	23.23	23.16				
5	64QAM	1	12	22.96	22.96	22.93	23.7	2		
5	64QAM	1	24	22.97	23.12	23.13				
5	64QAM	12	0	22.10	22.17	22.05				
5	64QAM	12	7	22.15	22.13	22.04	22.7	3		
5	64QAM	12	13	22.00	22.06	22.11				
5	64QAM	25	0	22.03	22.10	22.13				
5	256QAM	1	0	20.06	20.25	20.04				
5	256QAM	1	12	19.94	20.15	20.05	20.7	5		
5	256QAM	1	24	19.96	20.01	20.00				
5	256QAM	12	0	20.14	20.19	20.19				
5	256QAM	12	7	20.05	20.13	20.14	20.7	5		
5	256QAM	12	13	19.98	20.03	19.95				
5	256QAM	25	0	19.99	20.08	20.14				
Channel 20415										
Frequency (MHz)										
3	QPSK	1	0	25.08	25.20	25.15				
3	QPSK	1	8	24.93	25.14	25.01	25.7	0		
3	QPSK	1	14	24.95	25.08	25.01				
3	QPSK	8	0	24.09	24.19	24.05				
3	QPSK	8	4	24.04	24.14	24.02	24.7	1		
3	QPSK	8	7	24.00	24.01	24.07				
3	QPSK	15	0	24.18	24.14	24.15				
3	16QAM	1	0	24.02	24.20	24.14				
3	16QAM	1	8	23.94	24.05	24.00	24.7	1		
3	16QAM	1	14	23.86	24.10	24.12				
3	16QAM	8	0	23.09	23.21	23.11				
3	16QAM	8	4	22.96	23.19	23.03	23.7	2		
3	16QAM	8	7	22.89	23.04	23.08				
3	16QAM	15	0	23.14	23.16	23.12				
3	64QAM	1	0	22.96	23.13	23.22				
3	64QAM	1	8	22.87	23.01	23.00	23.7	2		
3	64QAM	1	14	22.82	23.17	23.11				
3	64QAM	8	0	22.01	22.11	21.96				
3	64QAM	8	4	21.88	22.19	22.02	22.7	3		
3	64QAM	8	7	22.00	22.05	22.12				
3	64QAM	15	0	22.07	22.20	22.13				
3	256QAM	1	0	20.08	20.29	20.08	20.7	5		
3	256QAM	1	8	20.02	20.16	20.02				
3	256QAM	1	14	20.05	19.98	19.92				
3	256QAM	8	0	20.24	20.26	20.16				
3	256QAM	8	4	20.06	20.18	20.14	20.7	5		
3	256QAM	8	7	19.95	20.06	19.96				
3	256QAM	15	0	19.98	20.12	20.04				
Channel 20407										
Frequency (MHz)										
1.4	QPSK	1	0	25.05	25.12	25.04				
1.4	QPSK	1	3	24.98	25.09	24.99	25.7	0		
1.4	QPSK	1	5	24.95	25.07	25.03				
1.4	QPSK	3	0	24.98	25.00	24.94				
1.4	QPSK	3	1	24.94	25.05	24.91				
1.4	QPSK	3	3	24.89	24.94	24.94				
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1		
1.4	16QAM	1	0	24.01	24.22	24.12				
1.4	16QAM	1	3	23.92	24.10	24.05				
1.4	16QAM	1	5	23.94	24.16	24.15	24.7	1		
1.4	16QAM	3	0	24.00	24.03	24.14				
1.4	16QAM	3	1	23.89	24.10	24.04				
1.4	16QAM	3	3	23.86	24.07	23.92				
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2		
1.4	64QAM	1	0	22.97	23.18	23.15				
1.4	64QAM	1	3	22.96	23.05	23.04	23.7	2		
1.4	64QAM	1	5	22.97	23.18	23.17				
1.4	64QAM	3	0	23.16	23.09	23.07	23.7	2		
1.4	64QAM	3	1	22.93	23.09	23.01				
1.4	64QAM	3	3	22.91	22.88	22.99	22.7	3		
1.4	256QAM	1	0	20.04	20.20	20.07				
1.4	256QAM	1	3	20.00	20.15	19.99	20.7	5		
1.4	256QAM	1	5	19.99	20.05	19.99				
1.4	256QAM	3	0	20.14	20.20	20.19	20.7	5		
1.4	256QAM	3	1	19.99	20.19	20.13				
1.4	256QAM	3	3	19.97	20.05	19.98				
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	5		

Band 12 DSI 5										
BW (MHz)	Modulation on Channel	RB Size	RB Offset	Power Level Ch. / Freq. 23060	Power Level Ch. / Freq. 23066	Power Level Ch. / Freq. 23130	Tune-up limit (dBm)	MPR (dB)		
Channel 23060										
Frequency (MHz)										
10	QPSK	1	0	25.10	25.16	25.14				
10	QPSK	1	25	24.96	25.10	25.12	25.7	0		
10	QPSK	1	49	25.04	25.08	25.01				
10	QPSK	25	0	24.16	24.18	24.16				
10	QPSK	25	12	24.00	24.15	24.13	24.7	1		
10	QPSK	25	25	24.01	24.08	24.02				
10	QPSK	50	0	24.15	24.16	24.09				
10	16QAM	1	0	24.09	24.14	24.12	24.7	1		
10	16QAM	1	25	23.92	24.13	24.08				
10	16QAM	1	49	24.02	24.06	24.05				
10	16QAM	25	0	23.12	23.20	23.19				
10	16QAM	25	12	22.95	23.09	23.11	23.7	2		
10	16QAM	25	25	22.99	23.02	23.02				
10	16QAM	50	0	23.11	23.16	23.14				
10	64QAM	1	0	23.12	23.20	23.10				
10	64QAM	1	25	22.96	23.17	23.06	23.7	2		
10	64QAM	1	49	23.03	23.09	23.02				
10	64QAM	25	0	22.18	22.18	22.16				
10	64QAM	25	12	21.98	22.15	22.17	22.7	3		
10	64QAM	25	25	22.19	22.19	22.04				
10	256QAM	1	0	20.13	20.14	20.14				
10	256QAM	1	25	20.03	20.13	20.18	20.7	5		
10	256QAM	1	49	20.00	20.12	19.96				
10	256QAM	25	0	20.13	20.13	20.08				
10	256QAM	25	12	20.13	20.20	20.13	20.7	5		
10	256QAM	25	25	19.86	20.08	20.03				
10	256QAM	50	0	20.06	20.06	20.01				
Channel				701.5	707.5	713.5				
Frequency (MHz)										
5	QPSK	1	0	25.07	25.07	25.07				
5	QPSK	1	12	24.89	25.03	24.99	25.7	0		
5	QPSK	1	24	24.94	25.02	24.91				
5	QPSK	12	0	24.13	24.24	24.04				
5	QPSK	12	7	23.97	24.09	23.94	24.7	1		
5	QPSK	25	0	24.02	24.04	23.95				
5	16QAM	1	0	24.03	24.09	24.01				
5	16QAM	1	12	23.82	24.11	24.02	24.7	1		
5	16QAM	1	24	24.00	23.96	24.05				
5	16QAM	12	0	22.99	23.03	23.14				
5	16QAM	12	7	22.90	23.06	23.05	23.7	2		
5	16QAM	12	13	22.88	22.89	22.92				
5	16QAM	25	0	23.06	23.08	23.03				
5	64QAM	1	0	23.09	23.18	23.08				
5	64QAM	1	12	22.90	23.11	22.95	23.7	2		
5	64QAM	1	24	22.91	23.03	22.99				
5	64QAM	12	0	22.07	22.12	22.07				
5	64QAM	12	7	21.93	22.11	21.87	22.7	3		
5	64QAM	12	13	21.93	22.02	22.01				
5	64QAM	25	0	22.09	22.16	22.01				
5	256QAM	1	0	20.07	20.07	20.06				
5	256QAM	1	12	19.95	20.02	19.95	20.7	5		
5	256QAM	1	24	19.90	20.00	19.92				
5	256QAM	12	0	20.04	20.10	20.01				
5	256QAM	12	7	20.02	20.16	19.92	20.7	5		
5	256QAM	12	13	19.76	19.95	19.82				
5	256QAM	25	0	19.97	19.99	19.99				
Channel				2300.5	2300.5	2316.5				
Frequency (MHz)										
3	QPSK	1	0	25.08	25.07	25.12				
3	QPSK	1	6	24.88	25.03	25.01	25.7	0		
3	QPSK	1	14	25.01	25.03	24.99				
3	QPSK	8	0	24.02	24.05	24.02				
3	QPSK	8	4	23.97	24.06	24.04	24.7	1		
3	QPSK	8	7	23.96	24.05	23.98				
3	QPSK	15	0	24.11	24.13	24.06				
3	16QAM	1	0	24.01	24.05	23.99				
3	16QAM	1	8	23.88	24.01	23.97	24.7	1		
3	16QAM	1	14	24.00	23.95	23.98				
3	16QAM	8	0	23.00	23.16	23.06	23.7	2		
3	16QAM	8	4	22.83	22.99	23.04				
3	16QAM	8	7	22.89	22.91	22.98				
3	16QAM	15	0	22.97	23.11	22.94				
3	64QAM	1	0	23.05	23.17	22.99				
3	64QAM	1	8	22.87	23.01	22.92	23.7	2		
3	64QAM	1	14	22.99	23.07	22.98				
3	64QAM	8	0	22.05	22.13	22.03				
3	64QAM	8	4	21.85	22.05	22.12	22.7	3		
3	64QAM	8	7	21.86	21.99	21.96				
3	64QAM	15	0	22.92	23.07	22.94				
3	256QAM	1	0	20.01	20.09	20.04				
3	256QAM	1	8	19.98	20.00	20.10	20.7	5		
3	256QAM	1	14	19.96	20.10	19.95				
3	256QAM	8	0	20.08	20.05	19.95				
3	256QAM	8	4	20.00	20.12	20.08	20.7	5		
3	256QAM	8	7	19.98	20.06	19.95				
3	256QAM	15	0	20.03	19.98	20.07				
Channel				2301.7	2300.5	2317.3				
Frequency (MHz)										
1.4	QPSK	1	0	25.00	25.08	25.06				
1.4	QPSK	1	3	24.93	24.97	25.00				
1.4	QPSK	1	5	24.95	24.97	24.93	25.7	0		
1.4	QPSK	1	8	24.96	25.00	24.96				
1.4	QPSK	3	1	24.82	24.84	25.00				
1.4	QPSK	3	3	24.82	24.90	24.89				
1.4	QPSK	6	0	24.01	24.05	24.03	24.7	1		
1.4	16QAM	1	0	24.01	24.05	24.04				
1.4	16QAM	1	3	24.08	24.08	24.04				
1.4	16QAM	1	5	23.94	24.00	24.00				
1.4	16QAM	3	0	23.98	23.99	23.85	24.7	1		
1.4	16QAM	3	1	23.99	23.92	23.97				
1.4	16QAM	3	3	23.76	24.08	23.92				
1.4	64QAM	6	0	23.01	23.10	23.10	23.7	2		
1.4	64QAM	6	3	23.13	23.13	23.13				
1.4	64QAM	3	3	22.93	23.12	23.03				
1.4	64QAM	1	5	22.92	23.07	22.94	23.7	2		
1.4	64QAM	3	0	22.95	22.99	23.07				
1.4	64QAM	3	1	22.91	23.01	23.00				
1.4	64QAM	3	3	22.81	22.99	22.92				
1.4	256QAM	1	0	20.02	22.10	21.10	22.7	3		
1.4	256QAM	1	3	19.91	20.01	20.10				
1.4	256QAM	1	5	19.86	20.02	19.96	20.7	5		
1.4	256QAM	3	0	20.10	20.05	19.99				
1.4	256QAM	3	1	20.00	20.10	20.00				
1.4	256QAM	3	3	19.77	19.98	19.94				
1.4	256QAM	6	0	19.99	19.93	20.01	20.7	5		

Band 26 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.95	25.04	25.01			
15	QPSK	1	37	24.82	24.94	24.97	25.7	0	
15	QPSK	1	74	24.69	24.90	24.89			
15	QPSK	36	0	24.07	24.12	23.96			
15	QPSK	36	20	23.84	24.04	23.99	24.7	1	
15	QPSK	36	36	23.84	23.95	23.99			
15	QPSK	75	0	23.98	24.05	23.94			
15	16QAM	1	0	24.08	24.00	24.11	24.7	1	
15	16QAM	1	37	23.74	24.03	23.95			
15	16QAM	1	74	23.87	23.85	23.91			
15	16QAM	36	0	22.93	23.10	23.12			
15	16QAM	36	20	22.87	22.98	22.99	23.7	2	
15	16QAM	36	36	22.86	22.92	22.98			
15	16QAM	75	0	23.04	23.04	22.93			
15	64QAM	1	0	23.02	23.00	23.00	23.7	2	
15	64QAM	1	37	22.87	23.00	22.91			
15	64QAM	1	74	22.92	22.96	22.91			
15	64QAM	36	0	22.05	21.99	22.03			
15	64QAM	36	20	21.78	22.04	22.14	22.7	3	
15	64QAM	36	36	21.85	21.87	21.82			
15	64QAM	75	0	22.13	22.12	21.84			
15	256QAM	1	0	20.05	19.97	20.05	20.7	5	
15	256QAM	1	37	19.91	19.97	20.05			
15	256QAM	1	74	19.92	19.96	19.89			
15	256QAM	36	0	19.92	20.12	20.00			
15	256QAM	36	20	19.97	20.08	20.01	20.7	5	
15	256QAM	36	36	19.66	20.00	19.92			
15	256QAM	75	0	19.94	19.88	19.94			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.83	24.92	24.97	25.7	0	
10	QPSK	1	25	24.72	24.90	24.86			
10	QPSK	1	49	24.80	24.85	24.82			
10	QPSK	25	0	24.05	24.10	23.87			
10	QPSK	25	12	23.81	23.96	23.95	24.7	1	
10	QPSK	25	25	23.76	23.89	23.96			
10	QPSK	50	0	23.93	24.00	23.94			
10	16QAM	1	0	24.01	23.92	24.10	24.7	1	
10	16QAM	1	25	23.64	23.94	23.87			
10	16QAM	1	49	23.84	23.83	23.91			
10	16QAM	25	0	22.89	22.99	23.09			
10	16QAM	25	12	22.81	22.87	22.87	23.7	2	
10	16QAM	25	25	22.77	22.89	22.86			
10	16QAM	50	0	22.98	23.01	22.88			
10	64QAM	1	0	22.96	22.89	23.00	23.7	2	
10	64QAM	1	25	22.76	22.93	22.80			
10	64QAM	1	49	22.86	22.87	22.90			
10	64QAM	25	0	21.94	21.88	21.95			
10	64QAM	25	12	21.70	21.99	22.04	22.7	3	
10	64QAM	25	25	21.76	21.96	21.81			
10	64QAM	50	0	22.12	22.11	21.73			
10	256QAM	1	0	19.95	19.90	20.00	20.7	5	
10	256QAM	1	25	19.89	19.97	20.02			
10	256QAM	1	49	19.85	19.88	19.79			
10	256QAM	25	0	19.80	20.00	19.97			
10	256QAM	25	12	19.92	20.04	19.98	20.7	5	
10	256QAM	25	25	19.60	19.92	19.85			
10	256QAM	50	0	19.83	19.85	19.82			
Channel				816.5	831.5	846.5			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.91	24.93	24.97	25.7	0	
5	QPSK	1	12	24.80	24.89	24.87			
5	QPSK	1	24	24.77	24.81	24.78			
5	QPSK	12	0	24.03	24.12	23.93			
5	QPSK	12	7	23.84	24.02	23.87	24.7	1	
5	QPSK	12	13	23.83	23.95	23.86			
5	QPSK	25	0	23.91	24.04	23.94			
5	16QAM	1	0	24.01	23.95	24.02	24.7	1	
5	16QAM	1	12	23.73	23.92	23.87			
5	16QAM	1	24	23.82	23.79	23.86			
5	16QAM	12	0	22.91	23.00	23.07			
5	16QAM	12	7	22.83	22.92	22.97	23.7	2	
5	16QAM	12	13	22.85	22.87	22.88			
5	16QAM	25	0	23.00	22.96	22.90			
5	64QAM	1	0	22.98	22.88	22.98	23.7	2	
5	64QAM	1	12	22.85	22.93	22.88			
5	64QAM	1	24	22.84	22.95	22.87			
5	64QAM	12	0	22.03	21.87	21.82			
5	64QAM	12	7	21.72	21.92	22.02	22.7	3	
5	64QAM	12	13	21.73	21.92	21.80			
5	64QAM	25	0	22.05	22.01	21.74			
5	256QAM	1	0	19.84	19.92	20.05	20.7	5	
5	256QAM	1	12	19.88	19.92	20.04			
5	256QAM	1	24	19.80	19.87	19.86			
5	256QAM	12	0	19.85	20.07	19.98			
5	256QAM	12	7	19.88	19.97	19.91	20.7	5	
5	256QAM	12	13	19.62	19.91	19.62			
5	256QAM	25	0	19.90	19.85	19.89			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.84	24.99	24.89	25.7	0	
3	QPSK	1	8	24.75	24.90	24.95			
3	QPSK	1	14	24.85	24.86	24.79			
3	QPSK	8	0	24.03	24.11	23.87	24.7	1	
3	QPSK	8	4	23.76	23.98	23.97			
3	QPSK	8	7	23.72	23.94	23.91			
3	QPSK	15	0	23.93	23.99	23.91			
3	16QAM	1	0	23.98	23.90	24.06	24.7	1	
3	16QAM	1	8	23.68	23.97	23.89			
3	16QAM	1	14	23.83	23.81	23.88			
3	16QAM	8	0	22.83	23.10	23.04			
3	16QAM	8	4	22.84	22.95	22.98	23.7	2	
3	16QAM	8	7	22.80	22.81	22.97			
3	16QAM	15	0	23.03	22.93	22.82			
3	64QAM	1	0	22.96	22.90	22.91	23.7	2	
3	64QAM	1	8	22.84	22.90	22.86			
3	64QAM	1	14	22.81	22.96	22.80			
3	64QAM	8	0	22.00	21.92	21.95			
3	64QAM	8	4	21.66	21.99	22.05	22.7	3	
3	64QAM	8	7	21.74	21.86	21.83			
3	64QAM	15	0	22.08	22.02	21.72			
3	256QAM	1	0	19.97	19.91	20.02	20.7	5	
3	256QAM	1	8	19.85	19.88	19.98			
3	256QAM	1	14	19.89	19.85	19.77			
3	256QAM	8	0	19.83	20.03	19.95			
3	256QAM	8	4	19.96	19.99	19.96	20.7	5	
3	256QAM	8	7	19.62	19.88	19.87			
3	256QAM	15	0	19.84	19.86	19.84			
Channel				26897	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0	
1.4	QPSK	1	3	24.72	24.88	24.89			
1.4	QPSK	1	5	24.84	24.84	24.81			
1.4	QPSK	3	0	24.83	24.99	24.94			
1.4	QPSK	3	1	24.64	24.87	24.79	24.7	1	
1.4	QPSK	3	3	24.77	24.73	24.73			
1.4	16QAM	1	0	24.04	23.95	23.99	24.7	1	
1.4	16QAM	1	3	23.66	24.00	23.99			
1.4	16QAM	1	5	23.85	23.76	23.82			
1.4	16QAM	3	0	23.90	23.97	23.78	24.7	1	
1.4	16QAM	3	1	23.83	23.88	23.96			
1.4	16QAM	3	3	23.63	23.92	23.80	23.7	2	
1.4	16QAM	6	0	22.99	22.99	22.80			
1.4	64QAM	1	0	22.97	22.96	22.93			
1.4	64QAM	1	3	22.83	22.97	22.81			
1.4	64QAM	1	5	22.90	22.89	22.89	23.7	2	
1.4	64QAM	3	0	22.88	22.93	22.87			
1.4	64QAM	3	1	22.86	22.85	22.91			
1.4	64QAM	3	3	22.76	22.96	22.76	22.7	3	
1.4	64QAM	6	0	22.09	22.01	21.80			
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5	
1.4	256QAM	1	3	19.86	19.94	20.03			
1.4	256QAM	1	5	19.90	19.85	19.79			
1.4	256QAM	3	0	19.89	20.08	19.92			
1.4	256QAM	3	1	19.88	20.05	19.94			
1.4	256QAM	3	3	19.58	19.89	19.84	20.7	5	
1.4	256QAM	6	0	19.88	19.80	19.94			

Band 71 DSI 5									
BW [MHz]	Modulation	RB Size							

GSM850 Ant1 DSS									
GSM850		Burst Average Power (dBm)			Time-up Limit		Frame Average Power (dBm)		
TX Channel		128	189	251	Limit		128	189	251
Frequency (MHz)		124.2	130.4	141.8	(dBm)		124.2	130.4	141.8
GSM 1 Tx slot		30.54	30.71	30.67	32.15		21.54	21.71	21.67
GPRS 1 Tx slot		30.60	30.69	30.70	32.10		21.60	21.69	21.70
GPRS 2 Tx slots		27.83	27.87	27.76	29.10		21.83	21.87	21.76
GPRS 3 Tx slots		25.75	25.96	26.00	27.30		21.49	21.70	21.74
GPRS 4 Tx slots		24.49	24.50	24.53	26.10		21.48	21.59	21.53
EDGE 1 Tx slot		27.12	27.23	27.16	28.90		18.12	18.23	18.16
EDGE 2 Tx slot		23.79	24.01	23.70	25.50		17.79	18.01	17.70
EDGE 3 Tx slot		21.91	22.11	21.86	23.30		17.65	17.85	17.62
EDGE 4 Tx slots		19.91	20.12	20.25	21.50		16.91	17.12	17.19
WCDMA V Ant1 DSS									
Band		WCDMA V			Time-up Limit				
TX Channel		4152	4162	4233					
Rx Channel		4357	4407	4458					
Frequency (MHz)		183.4	183.4	186.6	Limit		(dBm)		
3GPP Rel 99 AMR 12.2Kbps		20.38	20.48	20.37	21.50				
3GPP Rel 99 RMC 12.2Kbps		20.48	20.51	20.45	21.50				
3GPP Rel 6 HSDPA Subtest-1		19.48	19.53	19.47	20.50				
3GPP Rel 6 HSDPA Subtest-2		19.53	19.50	19.44	20.50				
3GPP Rel 6 HSDPA Subtest-3		19.02	19.06	18.94	20.00				
3GPP Rel 6 HSDPA Subtest-4		18.94	18.98	18.93	20.00				
3GPP Rel 8 DC-HSDPA Subtest-1		19.42	19.51	19.42	20.50				
3GPP Rel 8 DC-HSDPA Subtest-2		19.53	19.49	19.48	20.50				
3GPP Rel 8 DC-HSDPA Subtest-3		19.01	19.06	18.96	20.00				
3GPP Rel 8 DC-HSDPA Subtest-4		19.01	19.04	18.96	20.00				
3GPP Rel 6 HSUPA Subtest-1		19.45	19.48	19.42	20.50				
3GPP Rel 6 HSUPA Subtest-2		17.48	17.54	17.41	18.50				
3GPP Rel 6 HSUPA Subtest-3		18.52	18.49	18.42	19.50				
3GPP Rel 6 HSUPA Subtest-4		17.50	17.46	17.41	18.50				
3GPP Rel 6 HSUPA Subtest-5		19.45	19.49	19.43	20.50				
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		18.93	17.07	18.90	18.00				

Band 5 Ant1 DSI5										
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.08	21.11	21.06				
10	QPSK	1	25	21.04	21.04	20.97	21.7	0		
10	QPSK	49	20.99	21.00	21.00					
10	QPSK	25	0	20.97	21.00	21.00				
10	QPSK	25	12	21.04	21.01	21.02				
10	QPSK	25	25	20.95	20.98	20.95	21.7	0		
10	QPSK	50	0	21.06	21.07	20.99				
10	16QAM	1	0	20.95	21.00	20.96				
10	16QAM	1	25	20.96	20.91	20.89	21.7	0		
10	16QAM	1	49	20.89	20.89	20.95				
10	16QAM	25	0	20.94	20.95	20.92				
10	16QAM	25	12	21.00	20.96	20.91				
10	16QAM	25	25	20.84	20.91	20.91	21.7	0		
10	16QAM	50	0	20.96	20.97	20.96				
10	16QAM	50	0	21.00	20.99	21.01				
10	84QAM	1	25	20.91	20.95	20.86	21.7	0		
10	84QAM	1	49	20.94	20.93	20.89				
10	84QAM	25	0	20.92	20.94	20.94				
10	84QAM	25	12	21.02	20.91	20.88	21.7	0		
10	256QAM	25	25	20.90	20.92	20.93				
10	256QAM	50	0	20.90	20.97	20.93				
10	256QAM	1	0	20.07	20.16	20.03				
10	256QAM	1	25	20.08	20.05	20.01	20.7	1		
10	256QAM	1	49	19.97	19.94	19.96				
10	256QAM	25	0	20.00	20.10	19.96				
10	256QAM	25	12	20.01	20.01	19.98				
10	256QAM	25	25	19.91	19.99	19.92	20.7	1		
10	256QAM	50	0	20.04	20.09	19.96				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	20.98	20.98	21.01				
5	QPSK	1	25	20.92	20.10	20.89	21.7	0		
5	QPSK	1	24	20.94	20.95	20.89				
5	QPSK	12	0	20.93	20.98	20.94				
5	QPSK	12	7	21.01	20.92	20.99	21.7	0		
5	QPSK	12	13	20.92	20.95	20.92				
5	QPSK	25	0	21.02	20.94	20.94				
5	16QAM	1	0	20.90	20.98	20.97				
5	16QAM	1	24	20.87	20.88	20.76	21.7	0		
5	16QAM	1	24	20.84	20.84	20.92				
5	16QAM	12	0	20.87	20.84	20.85				
5	16QAM	12	7	20.94	20.86	20.86	21.7	0		
5	16QAM	12	13	20.81	20.80	20.87				
5	16QAM	25	0	20.96	20.89	20.90				
5	84QAM	1	0	20.94	20.91	20.99				
5	84QAM	1	12	20.80	20.93	20.80	21.7	0		
5	84QAM	1	24	20.89	20.89	20.83				
5	84QAM	12	0	20.87	20.86	20.91				
5	84QAM	12	7	20.97	20.87	20.94	21.7	0		
5	84QAM	12	13	20.78	20.84	20.85				
5	84QAM	25	0	20.91	20.86	20.83				
5	256QAM	1	0	20.02	20.11	19.95				
5	256QAM	1	12	19.94	19.95	19.97	20.7	1		
5	256QAM	1	24	19.94	19.97	19.95				
5	256QAM	12	0	19.88	20.07	19.93				
5	256QAM	12	7	19.95	19.97	19.95	20.7	1		
5	256QAM	12	13	19.87	19.92	19.87				
5	256QAM	25	0	19.96	20.06	19.93				
Channel				20415	20515	20615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	835.5	845.5				
3	QPSK	1	0	21.00	21.06	21.04				
3	QPSK	1	8	21.01	20.92	20.88	21.7	0		
3	QPSK	1	14	20.89	20.97	20.87				
3	QPSK	8	0	20.88	20.99	20.88				
3	QPSK	8	4	20.91	20.93	20.89	21.7	0		
3	QPSK	8	7	20.97	20.92	20.86				
3	QPSK	15	0	21.03	20.96	20.94				
3	16QAM	1	0	20.84	20.94	20.89				
3	16QAM	1	8	20.91	20.84	20.80	21.7	0		
3	16QAM	1	14	20.79	20.75	20.75				
3	16QAM	8	0	20.90	20.82	20.85				
3	16QAM	8	4	20.97	20.87	20.94	21.7	0		
3	16QAM	8	7	20.77	20.88	20.87				
3	16QAM	15	0	20.95	20.87	20.86				
3	84QAM	1	0	20.89	20.88	20.79	21.7	0		
3	84QAM	1	8	20.87	20.80	20.79				
3	84QAM	1	14	20.76	20.92	20.89				
3	84QAM	8	0	20.87	20.81	20.84				
3	84QAM	8	4	20.88	20.86	20.75	21.7	0		
3	84QAM	8	7	20.72	20.82	20.83				
3	84QAM	15	0	20.97	20.85	20.88				
3	256QAM	1	0	20.02	20.03	19.98				
3	256QAM	1	8	20.03	20.00	19.87	20.7	1		
3	256QAM	1	14	19.94	19.84	19.92				
3	256QAM	8	0	19.90	20.05	19.92				
3	256QAM	8	4	19.89	19.91	19.90	20.7	1		
3	256QAM	8	7	19.83	19.86	19.83				
3	256QAM	15	0	19.93	20.06	19.91				
Channel				20407	20507	20603	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.05	21.01	20.96				
1.4	QPSK	1	3	21.01	20.92	20.93				
1.4	QPSK	1	5	20.90	20.94	20.87	21.7	0		
1.4	QPSK	3	0	20.89	21.06	20.91				
1.4	QPSK	3	1	21.02	20.97	20.92				
1.4	QPSK	3	3	20.87	20.87	20.82				
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0		
1.4	16QAM	1	0	20.86	20.93	20.94				
1.4	16QAM	1	3	20.87	20.82	20.79				
1.4	16QAM	1	5	20.76	20.92	20.89	21.7	0		
1.4	16QAM	3	0	20.83	20.90	20.79				
1.4	16QAM	3	1	20.89	20.83	20.87				
1.4	16QAM	3	3	20.76	20.79	20.81				
1.4	16QAM	6	0	20.96	20.94	20.83	21.7	0		
1.4	84QAM	1	0	20.94	20.93	20.95				
1.4	84QAM	1	3	20.78	20.91	20.83				
1.4	84QAM	1	5	20.88	20.91	20.83	21.7	0		
1.4	84QAM	3	0	20.88	20.92	20.84				
1.4	84QAM	3	1	20.92	20.88	20.82				
1.4	84QAM	3	3	20.70	20.84	20.88				
1.4	84QAM	6	0	20.99	20.97	20.80	21.7	0		
1.4	256QAM	1	0	19.97	20.09	19.97				
1.4	256QAM	1	3	20.04	20.03	19.90				
1.4	256QAM	1	5	19.86	19.88	19.85	20.7	1		
1.4	256QAM	3	0	19.89	20.04	19.87				
1.4	256QAM	3	1	19.95	19.93	19.86				
1.4	256QAM	3	3	19.86	19.87	19.80				
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1		

Band 12 Ant1 DSI5										
BW (MHz)	Module on Channel	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	24.20	24.30	24.26				
10	QPSK	1	25	24.20	24.27	24.24			24.7	0
10	QPSK	1	49	24.22	24.26	24.18				
10	QPSK	25	0	24.25	24.30	24.14				
10	QPSK	25	12	24.20	24.19	24.21			24.7	0
10	QPSK	25	12	24.17	24.19	24.17				
10	QPSK	50	0	24.15	24.28	24.23				
10	16QAM	1	0	24.18	24.26	24.21				
10	16QAM	1	25	24.08	24.13	24.04			24.7	0
10	16QAM	1	49	24.20	24.22	24.15				
10	16QAM	25	0	23.31	23.37	23.27				
10	16QAM	25	12	23.16	23.28	23.11				
10	16QAM	25	25	23.21	23.21	23.16			23.7	
10	16QAM	50	0	23.29	23.31	23.17				
10	64QAM	1	0	23.23	23.21	23.23				
10	64QAM	1	25	23.20	23.22	23.23			23.7	
10	64QAM	1	49	23.17	23.24	23.26				
10	64QAM	25	0	22.20	22.37	22.29				
10	64QAM	25	12	22.17	22.27	22.20				
10	64QAM	25	25	22.26	22.28	22.15			22.7	2
10	64QAM	50	0	22.23	22.34	22.19				
10	256QAM	1	0	20.26	20.38	20.20				
10	256QAM	1	25	20.26	20.29	20.19				
10	256QAM	1	49	20.23	20.23	20.16			20.7	4
10	256QAM	25	0	20.24	20.26	20.16				
10	256QAM	25	12	20.22	20.20	20.22				
10	256QAM	25	25	20.13	20.21	20.20				
10	256QAM	50	0	20.20	20.34	20.25				
Frequency (MHz)										
5	QPSK	1	0	24.19	24.26	24.17				
5	QPSK	1	24	24.12	24.24	24.10			24.7	0
5	QPSK	1	24	24.18	24.24	24.08				
5	QPSK	12	0	24.16	24.22	24.02				
5	QPSK	12	13	24.10	24.20	24.04			24.7	0
5	QPSK	25	0	24.04	24.16	24.12				
5	16QAM	1	0	24.05	24.13	24.13				
5	16QAM	1	24	23.98	24.07	23.92			24.7	0
5	16QAM	1	24	24.04	24.19	24.07				
5	16QAM	12	0	23.26	23.33	23.22				
5	16QAM	12	7	23.06	23.23	23.08			23.7	1
5	16QAM	12	13	23.19	23.17	23.13				
5	64QAM	1	0	23.22	23.25	23.11				
5	64QAM	1	12	23.13	23.13	23.20			23.7	1
5	64QAM	1	12	23.04	23.21	23.11				
5	64QAM	12	0	22.15	22.31	22.27				
5	64QAM	12	7	22.11	22.15	22.18			22.7	2
5	64QAM	12	13	22.19	22.25	22.09				
5	64QAM	25	0	22.18	22.23	22.15				
5	256QAM	1	0	20.27	20.38	20.18				
5	256QAM	1	12	20.17	20.22	20.08			20.7	4
5	256QAM	1	24	20.15	20.18	20.14				
5	256QAM	12	0	20.14	20.19	20.04				
5	256QAM	12	7	20.11	20.18	20.20			20.7	4
5	256QAM	12	13	20.11	20.18	20.20				
5	256QAM	25	0	20.07	20.21	20.13				
Channel										
				23.925	23.995	23.935	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
3	QPSK	1	0	24.22	24.22	24.22				
3	QPSK	1	8	24.14	24.24	24.03			24.7	0
3	QPSK	1	14	24.08	24.17	24.11				
3	QPSK	8	0	24.16	24.26	24.01				
3	QPSK	8	7	24.09	24.07	24.13			24.7	0
3	QPSK	8	7	24.08	24.13	24.06				
3	16QAM	1	0	24.11	24.18	24.09				
3	16QAM	1	0	24.09	24.18	24.10				
3	16QAM	1	8	23.98	24.01	23.92			24.7	0
3	16QAM	1	14	24.08	24.16	24.08				
3	16QAM	8	0	23.18	23.27	23.23				
3	16QAM	8	4	23.11	23.25	23.20			23.7	1
3	16QAM	8	7	23.10	23.15	23.12				
3	64QAM	1	0	23.19	23.23	23.07				
3	64QAM	1	0	23.20	23.07	23.16			23.7	1
3	64QAM	1	8	23.11	23.11	23.18				
3	64QAM	1	14	23.09	23.26	23.13				
3	64QAM	8	0	22.17	22.25	22.15				
3	64QAM	8	4	22.11	22.20	22.14			22.7	2
3	64QAM	8	7	22.12	22.23	22.12				
3	256QAM	1	0	22.20	22.21	20.15				
3	256QAM	1	8	20.24	20.25	20.07				
3	256QAM	1	8	20.12	20.24	20.06			20.7	4
3	256QAM	1	14	20.17	20.14	20.14				
3	256QAM	8	0	20.18	20.16	20.10				
3	256QAM	8	4	20.11	20.12	20.12			20.7	4
3	256QAM	8	7	20.08	20.17	20.07				
3	256QAM	15	0	20.17	20.28	20.21				
Channel										
				23.917	23.995	23.973	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	24.21	24.24	24.19				
1.4	QPSK	1	3	24.08	24.21	24.04			24.7	0
1.4	QPSK	1	5	24.13	24.16	24.13				
1.4	QPSK	3	0	24.20	24.19	24.07				
1.4	QPSK	3	3	24.17	24.09	24.17				
1.4	QPSK	3	3	24.11	24.23	24.12				
1.4	QPSK	6	0	24.05	24.16	24.09			24.7	0
1.4	16QAM	1	0	24.15	24.16	24.12				
1.4	16QAM	1	3	24.02	24.09	24.06				
1.4	16QAM	3	0	24.05	24.08	24.09			24.7	0
1.4	16QAM	3	3	24.13	24.09	24.08				
1.4	16QAM	3	3	23.81	23.90	23.85				
1.4	16QAM	6	0	23.21	23.29	23.24			23.7	1
1.4	64QAM	1	0	23.10	23.18	23.10				
1.4	64QAM	1	5	23.13	23.32	23.13			23.7	1
1.4	64QAM	3	0	23.16	23.16	23.10				
1.4	64QAM	3	3	23.02	22.98	23.18				
1.4	64QAM	3	3	23.99	23.06	23.17			23.7	2
1.4	256QAM	1	0	20.13	20.34	20.12				
1.4	256QAM	1	3	20.21	20.21	20.07				
1.4	256QAM	1	5	20.18	20.19	20.13			20.7	4
1.4	256QAM	3	0	20.15	20.14	20.10				
1.4	256QAM	3	3	20.17	20.17	20.08				
1.4	256QAM	6	0	20.07	20.17	20.14				
1.4	256QAM	6	0	20.12	20.25	20.18			20.7	1

Band 26 Ant1 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									
Frequency (MHz)									
15	QPSK	1	0	21.14	21.15	21.08	21.7	0	
15	QPSK	1	37	21.06	21.12	20.98			
15	QPSK	1	74	21.06	21.03	21.08			
15	QPSK	36	0	21.05	21.14	21.00	21.7	0	
15	QPSK	36	20	21.03	21.10	21.03			
15	QPSK	36	36	20.94	20.96	21.03			
15	QPSK	75	0	21.07	21.10	21.07	21.7	0	
15	16QAM	1	0	20.94	21.08	21.01			
15	16QAM	1	37	20.93	20.97	20.92			
15	16QAM	1	74	20.90	20.87	20.94	21.7	0	
15	16QAM	36	0	20.98	20.95	21.00			
15	16QAM	36	20	21.04	20.95	20.94			
15	16QAM	36	36	20.92	20.89	20.91	21.7	0	
15	16QAM	75	0	21.03	20.95	20.99			
15	64QAM	1	0	21.01	21.02	21.09			
15	64QAM	1	37	20.99	20.99	20.84	21.7	0	
15	64QAM	1	74	20.91	20.98	20.92			
15	64QAM	36	0	20.98	21.02	20.92			
15	64QAM	36	20	21.02	20.90	20.89	21.7	0	
15	64QAM	36	36	20.91	20.93	20.96			
15	64QAM	75	0	21.08	21.05	20.91			
15	256QAM	1	0	20.10	20.14	20.10	20.7	1	
15	256QAM	1	37	20.14	20.10	20.05			
15	256QAM	1	74	20.03	20.01	20.00			
15	256QAM	36	0	20.00	20.12	20.04	20.7	1	
15	256QAM	36	20	20.02	20.02	19.95			
15	256QAM	36	36	19.95	19.99	19.91			
15	256QAM	75	0	20.11	20.11	20.05	Tune-up limit (dBm)	MPR (dB)	
Channel				26740	26865	26960			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.00	21.11	20.99	21.7	0	
10	QPSK	1	25	21.00	21.04	20.87			
10	QPSK	1	49	21.02	20.90	21.00			
10	QPSK	25	0	20.94	21.03	20.93	21.7	0	
10	QPSK	25	12	20.93	20.98	21.00			
10	QPSK	25	25	20.89	20.85	20.98			
10	QPSK	50	0	21.04	21.01	21.02	21.7	0	
10	16QAM	1	0	20.93	20.99	20.91			
10	16QAM	1	25	20.87	20.85	20.88			
10	16QAM	1	49	20.80	20.74	20.82	21.7	0	
10	16QAM	25	0	20.91	20.84	20.97			
10	16QAM	25	12	21.01	20.92	20.81			
10	16QAM	25	25	20.88	20.87	20.87	21.7	0	
10	16QAM	50	0	20.95	20.83	20.86			
10	64QAM	1	0	20.88	20.92	21.01			
10	64QAM	1	25	20.87	20.90	20.75	21.7	0	
10	64QAM	1	49	20.81	20.94	20.80			
10	64QAM	25	0	20.98	20.90	20.89			
10	64QAM	25	12	20.91	20.78	20.81	21.7	0	
10	64QAM	25	25	20.83	20.82	20.93			
10	64QAM	50	0	21.02	20.99	20.82			
10	256QAM	1	0	20.06	20.06	20.07	20.7	1	
10	256QAM	1	25	20.00	20.02	19.94			
10	256QAM	1	49	19.90	19.90	19.95			
10	256QAM	25	0	19.97	20.06	19.95	20.7	1	
10	256QAM	25	12	19.92	20.00	19.87			
10	256QAM	25	25	19.91	19.96	19.86			
10	256QAM	50	0	20.08	20.08	19.97	Tune-up limit (dBm)	MPR (dB)	
Channel				26715	26865	27025			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.01	21.02	20.99	21.7	0	
5	QPSK	1	12	20.98	21.01	20.90			
5	QPSK	1	24	20.93	21.00	20.95			
5	QPSK	12	0	20.96	21.04	20.92	21.7	0	
5	QPSK	12	7	20.98	21.04	20.94			
5	QPSK	12	13	20.87	20.93	20.96			
5	QPSK	25	0	21.04	21.01	21.04	21.7	0	
5	16QAM	1	0	20.82	21.03	20.94			
5	16QAM	1	12	20.83	20.91	20.89			
5	16QAM	1	24	20.77	20.80	20.87	21.7	0	
5	16QAM	12	0	20.87	20.85	20.90			
5	16QAM	12	7	20.91	20.83	20.83			
5	16QAM	12	13	20.83	20.84	20.88	21.7	0	
5	16QAM	25	0	20.96	20.82	20.92			
5	64QAM	1	0	20.92	20.95	21.03			
5	64QAM	1	12	20.88	20.91	20.78	21.7	0	
5	64QAM	1	24	20.85	20.87	20.95			
5	64QAM	12	0	20.90	20.97	20.83			
5	64QAM	12	7	20.97	20.84	20.76	21.7	0	
5	64QAM	12	13	20.88	20.89	20.83			
5	64QAM	25	0	20.95	20.95	20.83			
5	256QAM	1	0	19.99	20.06	19.99	20.7	1	
5	256QAM	1	12	20.01	20.03	19.93			
5	256QAM	1	24	19.91	19.95	19.95			
5	256QAM	12	0	19.94	19.99	19.91	20.7	1	
5	256QAM	12	7	19.96	19.97	19.82			
5	256QAM	12	13	19.86	19.92	19.79			
5	256QAM	25	0	20.00	20.03	20.83	Tune-up limit (dBm)	MPR (dB)	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.05	21.02	21.00	21.7	0	
3	QPSK	1	8	20.99	21.00	20.93			
3	QPSK	1	14	20.95	21.00	21.04			
3	QPSK	8	0	20.98	21.08	20.92	21.7	0	
3	QPSK	8	4	20.97	21.03	20.90			
3	QPSK	8	7	20.89	20.87	20.91			
3	QPSK	15	0	21.03	21.02	21.00	21.7	0	
3	16QAM	1	0	20.92	21.03	20.88			
3	16QAM	1	8	20.84	20.85	20.86			
3	16QAM	1	14	20.80	20.82	20.92	21.7	0	
3	16QAM	8	0	20.94	20.81	20.93			
3	16QAM	8	4	20.96	20.91	20.85			
3	16QAM	8	7	20.81	20.80	20.84	21.7	0	
3	16QAM	15	0	20.97	20.86	20.96			
3	64QAM	1	0	20.90	20.99	21.07			
3	64QAM	1	8	20.88	20.87	20.74	21.7	0	
3	64QAM	1	14	20.85	20.94	20.81			
3	64QAM	8	0	20.92	20.91	20.90			
3	64QAM	8	4	20.91	20.82	20.78	21.7	0	
3	64QAM	8	7	20.82	20.80	20.87			
3	64QAM	15	0	20.99	21.03	20.82			
3	256QAM	1	0	20.00	20.10	20.00	20.7	1	
3	256QAM	1	8	20.05	20.07	20.02			
3	256QAM	1	14	19.92	19.98	19.94			
3	256QAM	8	0	19.89	20.05	19.99	20.7	1	
3	256QAM	8	4	19.89	19.92	19.82			
3	256QAM	8	7	19.90	19.93	19.84			
3	256QAM	15	0	20.03	19.97	20.01	Tune-up limit (dBm)	MPR (dB)	
Channel				26700	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.12	21.10	21.01	21.7	0	
1.4	QPSK	1	3	20.94	21.09	20.93			
1.4	QPSK	1	5	20.97	20.97	21.01			
1.4	QPSK	3	0	20.95	21.01	20.98	21.7	0	
1.4	QPSK	3	2	20.89	20.97	20.89			
1.4	QPSK	3	3	20.90	20.84	20.96			
1.4	QPSK	6	0	21.03	21.00	20.94	21.7	0	
1.4	16QAM	1	0	20.82	21.04	20.98			
1.4	16QAM	1	3	20.82	20.88	20.87			
1.4	16QAM	1	5	20.79	20.75	20.81	21.7	0	
1.4	16QAM	6	0	20.88	20.93	20.89			
1.4	16QAM	3	1	20.98	20.84	20.81			
1.4	16QAM	3	3	20.88	20.81	20.85	21.7	0	
1.4	16QAM	6	0	20.98	20.84	20.91			
1.4	64QAM	1	0	20.94	20.97	20.99			
1.4	64QAM	1	3	20.85	20.93	20.72	21.7	0	
1.4	64QAM	3	0	20.85	20.93	20.86			
1.4	64QAM	3	3	20.95	20.86	20.83			
1.4	64QAM	3	1	20.97	20.82	20.84	21.7	0	
1.4	64QAM	3	3	20.77	20.82	20.83			
1.4	64QAM	6	0	20.96	21.03	20.93			
1.4	256QAM	1	0	19.96	20.09	20.07	20.7	1	
1.4	256QAM	1	3	20.09	20.00	19.98			
1.4	256QAM	1	5	19.98	19.90	19.89			
1.4	256QAM	3	0	19.97	19.99	19.98	20.7	1	
1.4	256QAM	3	1	19.94	19.90	19.89			
1.4	256QAM	3	3	19.92	19.90	19.79			
1.4	256QAM	6	0	20.07	20.05	19.93	20.7	1	

Band 71 Ant1 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									
Frequency (MHz)									
20	QPSK	1	0	25.28	25.35	25.32	25.4	0	
20	QPSK	1	49	25.24	25.30	25.29			
20	QPSK	1	99	25.14	25.29	25.25			
20	QPSK	50	0	24.28	24.40	24.32	24.4	1	
20	QPSK	50	24	24.29	24.32	24.31			
20	QPSK	50	49	24.30	24.32	24.30			
20	QPSK	100	0	24.30	24.38	24.28	24.4	1	
20	16QAM	1	0	24.20	24.37	24.26			
20	16QAM	1	49	24.24	24.30	24.24			
20	16QAM	1	99	24.16	24.26	24.22	23.4	2	
20	16QAM	50	0	23.32	23.36	23.31			
20	16QAM	50	24	23.34	23.31	23.26			
20	16QAM	50	49	23.17	23.22	23.23	23.4	2	
20	16QAM	100	0	23.16	23.23	23.13			
20	64QAM	1	0	23.29	23.22	23.26			
20	64QAM	1	49	23.20	23.34	23.27	23.4	2	
20	64QAM	1	99	23.17	23.22	23.21			
20	64QAM	50	0	22.25	22.40	22.35			
20	64QAM	50	24	22.32	22.34	22.34	22.4	2	
20	64QAM	50	49	22.12	22.24	22.22			
20	64QAM	100	0	22.32	22.38	22.24			
20	256QAM	1	0	20.30	20.38				

GSM1900 Ant5 DSI 5									
GSM1900		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1900.8	30.00	1850.2	1860	1900.8	21.00
GSM 1 Tx slot		23.53	23.53	23.53		19.53	19.53	19.53	
GPRS 1 Tx slot		28.96	29.01	29.10	30.00	19.96	20.01	20.10	21.00
GPRS 2 Tx slots		25.64	25.73	25.75	27.00	19.64	19.73	19.75	21.00
GPRS 3 Tx slots		24.60	24.60	24.60	25.20	20.39	20.43	20.33	20.94
GPRS 4 Tx slots		22.76	22.85	22.70	24.00	19.76	19.85	19.70	21.00
EDGE 1 Tx slot		25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots		22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots		21.55	21.54	21.54	22.20	17.29	17.29	17.29	17.94
EDGE 4 Tx slots		19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00
WCDMA II Ant5 DSI 5									
Band		WCDMA II			Time-up Limit (dBm)	WCDMA IV			Time-up Limit (dBm)
TX Channel		9262	9409	9538		1312	1413	1513	
Rx Channel		9692	9800	9938	172.4	1337	1638	1738	172.4
Frequency (MHz)		1824.6	1849	1907.6		1724.6	1724.6	1724.6	
3GPP Rel 99 AMR 12.2Kbps		19.46	19.60	19.43	20.50	19.42	19.62	19.41	20.50
3GPP Rel 99 RMC 12.2Kbps		19.59	19.63	19.55	20.50	19.63	19.65	19.58	20.50
3GPP Rel 6 HSDPA Subtest-1		18.57	18.66	18.51	19.50	18.62	18.72	18.50	19.50
3GPP Rel 6 HSDPA Subtest-2		18.62	18.65	18.50	19.50	18.67	18.63	18.57	19.50
3GPP Rel 6 HSDPA Subtest-3		18.08	18.16	18.05	19.00	18.14	18.12	18.11	19.00
3GPP Rel 6 HSDPA Subtest-4		18.08	18.10	18.06	19.00	18.04	18.17	18.05	19.00
3GPP Rel 8 DC-HSDPA Subtest-1		18.55	18.60	18.51	19.50	18.51	18.60	18.57	19.50
3GPP Rel 8 DC-HSDPA Subtest-2		18.57	18.67	18.50	19.50	18.58	18.69	18.49	19.50
3GPP Rel 8 DC-HSDPA Subtest-3		18.04	18.15	18.05	19.00	18.01	18.18	18.12	19.00
3GPP Rel 8 DC-HSDPA Subtest-4		18.07	18.09	18.10	19.00	18.10	18.09	18.16	19.00
3GPP Rel 6 HSUPA Subtest-1		16.53	16.58	16.59	17.50	16.58	16.64	16.56	17.50
3GPP Rel 6 HSUPA Subtest-2		16.53	16.63	16.59	17.50	16.60	16.63	16.54	17.50
3GPP Rel 6 HSUPA Subtest-3		17.64	17.65	17.56	18.50	17.69	17.71	17.53	18.50
3GPP Rel 6 HSUPA Subtest-4		16.61	16.61	16.51	17.50	16.58	16.67	16.47	17.50
3GPP Rel 6 HSUPA Subtest-5		18.64	18.65	18.53	19.50	18.66	18.64	18.48	19.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		18.06	18.06	15.99	17.00	18.06	18.04	18.04	17.00

Band 2 Ant5 DSI 5										
RF [MHz]	Modulat ion	RF Sta tus	RF Offet	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up rate [dB/s]	MPN [dB]		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.72	19.73	19.73				
20	QPSK	1	48	19.60	19.62	19.64	20.5	0		
20	QPSK	1	96	19.70	19.73	19.70				
20	QPSK	50	24	19.69	19.64	19.70				
20	QPSK	50	50	19.66	19.66	19.66				
20	QPSK	100	0	19.63	19.70	19.85				
20	16QAM	1	0	19.58	19.65	19.81				
20	16QAM	1	48	19.45	19.62	19.62	20.5	0		
20	16QAM	1	96	19.57	19.69	19.81				
20	16QAM	50	0	19.58	19.59	19.47				
20	16QAM	50	24	19.54	19.58	19.65	20.5	0		
20	16QAM	50	50	19.54	19.53	19.53				
20	16QAM	100	0	19.53	19.58	19.62				
20	16QAM	1	0	19.61	19.67	19.62				
20	16QAM	1	48	19.54	19.60	19.58	20.5	0		
20	16QAM	1	96	19.58	19.61	19.57				
20	16QAM	50	0	19.50	19.62	19.54				
20	16QAM	50	24	19.58	19.50	19.62	20.5	0		
20	16QAM	50	50	19.50	19.53	19.51				
20	16QAM	100	0	19.55	19.67	19.55				
20	16QAM	1	48	19.55	19.58	19.57	20	0.5		
20	256QAM	1	96	19.20	19.21	19.23				
20	256QAM	1	48	19.20	19.20	19.24				
20	256QAM	50	24	19.17	19.14	19.09	20	0.5		
20	256QAM	50	50	19.19	19.14	19.09				
20	256QAM	100	0	19.20	19.20	19.20				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.71	19.71	19.71				
15	QPSK	1	37	19.70	19.60	19.60	20.5	0		
15	QPSK	1	74	19.69	19.61	19.69				
15	QPSK	36	0	19.55	19.68	19.59				
15	QPSK	36	25	19.70	19.64	19.60	20.5	0		
15	QPSK	36	36	19.65	19.63	19.56				
15	QPSK	75	0	19.53	19.67	19.58				
15	16QAM	1	0	19.61	19.61	19.61				
15	16QAM	1	37	19.39	19.41	19.39	20.5	0		
15	16QAM	1	74	19.37	19.39	19.47				
15	16QAM	36	0	19.50	19.63	19.37				
15	16QAM	36	25	19.52	19.48	19.59	20.5	0		
15	16QAM	36	36	19.49	19.55	19.44				
15	16QAM	75	0	19.58	19.61	19.58				
15	16QAM	75	25	19.58	19.50	19.49	20.5	0		
15	16QAM	1	74	19.51	19.52	19.57				
15	16QAM	36	0	19.52	19.57	19.46				
15	16QAM	36	25	19.55	19.56	19.53	20.5	0		
15	16QAM	36	36	19.51	19.54	19.45				
15	16QAM	75	0	19.48	19.65	19.43				
15	256QAM	1	0	19.21	19.20	19.16				
15	256QAM	1	37	19.25	19.01	19.15	20	0.5		
15	256QAM	1	74	19.12	19.15	19.15				
15	256QAM	36	0	19.15	19.28	19.07				
15	256QAM	36	25	19.15	19.07	19.12	20	0.5		
15	256QAM	36	36	19.10	19.10	19.09				
15	256QAM	75	0	19.11	19.14	19.09				
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.62	19.63	19.63				
10	QPSK	1	25	19.48	19.52	19.58	20.5	0		
10	QPSK	1	48	19.39	19.63	19.65				
10	QPSK	25	0	19.19	19.27	19.27				
10	QPSK	25	12	19.67	19.61	19.61	20.5	0		
10	QPSK	25	25	19.62	19.64	19.67				
10	16QAM	1	0	19.61	19.61	19.61				
10	16QAM	1	0	19.60	19.57	19.57	20.5	0		
10	16QAM	1	25	19.45	19.45	19.54				
10	16QAM	1	48	19.38	19.56	19.56				
10	16QAM	25	0	19.48	19.58	19.47				
10	16QAM	25	12	19.58	19.50	19.56	20.5	0		
10	16QAM	25	25	19.61	19.18	19.17				
10	16QAM	50	0	19.45	19.55	19.47				
10	16QAM	1	0	19.60	19.57	19.52				
10	16QAM	1	25	19.58	19.55	19.63				
10	16QAM	25	0	19.57	19.57	19.45				
10	16QAM	25	12	19.58	19.50	19.49	20.5	0		
10	16QAM	25	25	19.60	19.59	19.41				
10	16QAM	50	0	19.48	19.60	19.43				
10	256QAM	1	0	19.21	19.20	19.16				
10	256QAM	1	25	19.14	19.06	19.05	20	0.5		
10	256QAM	1	48	19.13	19.16	19.16				
10	256QAM	25	0	19.12	19.04	19.11				
10	256QAM	25	12	19.16	19.04	19.10	20	0.5		
10	256QAM	25	25	19.15	19.10	19.00				
10	256QAM	50	0	19.04	19.14	19.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.62	19.63	19.63				
5	QPSK	1	12	19.57	19.53	19.54				
5	QPSK	1	24	19.65	19.66	19.62	20.5	0		
5	QPSK	12	0	19.56	19.51	19.48				
5	QPSK	12	7	19.68	19.52	19.61				
5	QPSK	12	13	19.55	19.54	19.61	20.5	0		
5	QPSK	25	0	19.61	19.65	19.58				
5	16QAM	1	0	19.58	19.50	19.56				
5	16QAM	1	12	19.40	19.45	19.50	20.5	0		
5	16QAM	1	24	19.50	19.65	19.51				
5	16QAM	12	0	19.50	19.59	19.39				
5	16QAM	12	7	19.56	19.63	19.61	20.5	0		
5	16QAM	12	13	19.43	19.41	19.45				
5	16QAM	25	0	19.48	19.54	19.43				
5	16QAM	1	0	19.54	19.55	19.55	20.5	0		
5	16QAM	12	0	19.54	19.50	19.45				
5	16QAM	1	24	19.63	19.60	19.67				
5	16QAM	12	7	19.62	19.40	19.58	20.5	0		
5	16QAM	12	13	19.52	19.61	19.40				
5	16QAM	25	0	19.54	19.59	19.49				
5	256QAM	1	0	19.17	19.28	19.18				
5	256QAM	1	12	19.11	19.08	19.07	20	0.5		
5	256QAM	12	0	19.11	19.17	19.20				
5	256QAM	12	7	19.10	19.04	19.15	20	0.5		
5	256QAM	12	13	19.07	19.03	19.09				
5	256QAM	25	0	19.08	19.17	19.13				
Channel										
Frequency (MHz)										
3	QPSK	1	0	19.65	19.74	19.67				
3	QPSK	1	8	19.52	19.65	19.63	20.5	0		
3	QPSK	1	14	19.62	19.67	19.62				
3	QPSK	8	0	19.54	19.66	19.49				
3	QPSK	8	4	19.66	19.56	19.60	20.5	0		
3	QPSK	8	7	19.61	19.65	19.56				
3	QPSK	15	0	19.56	19.61	19.62				
3	16QAM	1	0	19.61	19.65	19.57				
3	16QAM	1	8	19.44	19.45	19.53	20.5	0		
3	16QAM	1	14	19.48	19.61	19.53				
3	16QAM	8	0	19.47	19.63	19.36				
3	16QAM	8	4	19.58	19.48	19.65	20.5	0		
3	16QAM	8	7	19.47	19.53	19.47				
3	16QAM	15	0	19.51	19.53	19.47				
3	16QAM	1	0	19.59	19.56	19.58	20.5	0		
3	16QAM	8	0	19.53	19.55	19.49				
3	16QAM	1	14	19.66	19.49	19.56				
3	16QAM	8	0	19.59	19.57	19.52				
3	16QAM	8	4	19.56	19.44	19.51	20.5	0		
3	16QAM	8	7	19.51	19.63	19.40				
3	256QAM	1	0	19.19	19.25	19.22				
3	256QAM	1	8	19.07	19.01	19.09	20	0.5		
3	256QAM	15	0	19.11	19.18	19.14				
3	256QAM	8	0	19.05	19.25	19.09				
3	256QAM	8	4	19.22	19.00	19.16	20	0.5		
3	256QAM	8	7	19.09	19.09	19.09				
3	256QAM	15	0	19.04	19.18	19.12				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	19.67	19.68	19.69				
1.4	QPSK	1	10	19.59	19.69	19.62				
1.4	QPSK	1	20	19.60	19.72	19.64	20.5	0		
1.4	QPSK	1	30	19.60	19.72	19.64				
1.4	QPSK	3	0	19.50	19.62	19.61				
1.4	QPSK	3	10	19.56	19.69	19.62	20.5	0		
1.4	QPSK	3	20	19.63	19.63	19.62				
1.4	QPSK	3	30	19.40	19.48	19.57				
1.4	16QAM	1	0	19.47	19.69	19.53				
1.4	16QAM	1	10	19.63	19.64	19.62				
1.4	16QAM	3	0	19.44	19.48	19.51				
1.4	16QAM	3	10	19.57	19.66	19.62	20.5	0		
1.4	16QAM	3	20	19.57	19.50	19.47				
1.4	16QAM	3	30	19.56	19.64	19.54				
1.4	16QAM	1	0	19.57	19.64	19.54				
1.4	16QAM	1	10	19.56	19.46	19.47	20.5	0		
1.4	16QAM	1	20	19.57	19.44	19.54				

Band 66 Ant5 DSI 5																	
BW (MHz)	Modulation Channel	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Tune- up Int. (sec)	MFR (dB)									
Channel 130072 130072 130072																	
Frequency (MHz)																	
20	QPSK	1	0	20.20	20.24	20.18	20.7	0									
20	QPSK	1	40	20.14	20.19	20.09											
20	QPSK	1	96	20.12	20.17	20.13											
20	QPSK	50	0	20.17	20.21	20.08	20.7	0									
20	QPSK	50	24	20.13	20.12	20.06											
20	QPSK	50	50	20.16	20.20	20.10											
20	QPSK	100	0	20.12	20.20	20.08	20.7	0									
20	HQDM	1	0	20.13	20.11	20.11											
20	HQDM	1	40	20.00	20.16	19.95											
20	HQDM	1	96	20.06	20.08	20.09	20.7	0									
20	HQDM	50	0	20.08	20.11	20.01											
20	HQDM	50	24	20.02	20.04	20.00											
20	HQDM	50	50	20.13	20.13	20.05	20.7	0									
20	HQDM	100	0	20.07	20.16	19.98											
20	HQDM	1	0	20.09	20.19	20.12											
20	HQDM	1	40	20.05	20.16	19.99	20.7	0									
20	HQDM	1	96	20.02	20.13	20.00											
20	HQDM	50	24	20.04	20.05	19.99											
20	HQDM	50	50	20.07	20.07	20.01	20.7	0									
20	HQDM	100	0	20.03	20.09	19.96											
20	SSQDM	1	0	20.09	20.16	20.05											
20	SSQDM	1	40	20.02	20.17	20.02	20.7	0									
20	SSQDM	1	96	20.08	20.04	20.00											
20	SSQDM	50	0	20.08	20.15	20.01											
20	SSQDM	50	24	20.10	20.07	19.95	20.7	0									
20	SSQDM	50	50	20.13	20.18	20.08											
20	SSQDM	100	0	20.02	20.05	19.97											
Channel 130092 130092 130092																	
Frequency (MHz)																	
16	QPSK	1	0	20.11	20.12	20.10	20.7	0									
16	QPSK	1	37	20.11	20.16	20.01											
16	QPSK	1	74	20.07	20.11	20.07											
16	QPSK	36	0	20.09	20.17	19.98	20.7	0									
16	QPSK	36	20	20.02	20.00	19.99											
16	QPSK	36	36	20.03	20.07	19.99											
16	QPSK	75	0	20.05	20.16	19.99	20.7	0									
16	HQDM	1	0	20.00	20.01	20.01											
16	HQDM	1	37	19.97	20.13	19.89											
16	HQDM	1	74	19.96	20.06	20.00	20.7	0									
16	HQDM	36	0	20.05	19.98	19.90											
16	HQDM	36	20	20.00	19.94	19.84											
16	HQDM	36	36	20.05	20.00	19.98	20.7	0									
16	HQDM	75	0	19.93	20.04	19.93											
16	HQDM	1	0	19.97	20.12	20.03											
16	HQDM	1	37	19.96	20.06	19.87	20.7	0									
16	HQDM	1	74	19.94	20.09	19.94											
16	HQDM	36	0	20.07	20.08	19.84											
16	HQDM	36	20	19.97	20.01	19.86	20.7	0									
16	HQDM	36	36	19.94	20.04	19.95											
16	HQDM	75	0	19.92	19.97	19.83											
16	SSQDM	1	0	20.01	20.15	20.02	20.7	0									
16	SSQDM	1	37	19.92	20.05	19.95											
16	SSQDM	1	74	19.99	19.91	19.86											
16	SSQDM	36	0	20.04	20.10	19.96	20.7	0									
16	SSQDM	36	20	20.05	20.01	19.83											
16	SSQDM	36	36	20.02	20.15	20.00											
16	SSQDM	75	0	19.90	20.05	19.90											
Channel 130092 130092 130092																	
Frequency (MHz)																	
10	QPSK	1	0	20.10	20.18	20.09	20.7	0									
10	QPSK	1	25	20.08	20.09	20.02											
10	QPSK	1	49	20.06	20.07	20.05											
10	QPSK	25	0	20.10	20.16	19.96	20.7	0									
10	QPSK	25	12	20.03	20.00	20.03											
10	QPSK	25	25	20.08	20.16	19.97											
10	QPSK	50	0	19.99	20.12	19.93	20.7	0									
10	HQDM	1	0	20.03	20.09	20.00											
10	HQDM	1	25	19.95	20.04	19.85											
10	HQDM	1	49	19.96	20.05	19.96	20.7	0									
10	HQDM	25	0	19.98	20.09	19.85											
10	HQDM	25	12	19.98	19.93	19.96											
10	HQDM	25	25	20.05	20.03	19.90	20.7	0									
10	HQDM	50	0	19.95	20.04	19.90											
10	HQDM	1	0	19.95	20.16	20.00											
10	HQDM	1	25	19.97	20.00	19.90	20.7	0									
10	HQDM	1	49	19.99	20.01	19.96											
10	HQDM	25	0	20.03	20.06	19.90											
10	HQDM	25	12	19.90	19.99	19.80	20.7	0									
10	HQDM	25	25	20.05	20.01	19.98											
10	HQDM	50	0	19.95	20.04	19.90											
10	SSQDM	1	0	20.04	20.08	20.00	20.7	0									
10	SSQDM	1	25	19.97	20.14	19.95											
10	SSQDM	1	49	19.97	19.95	19.86											
10	SSQDM	25	0	19.90	20.02	19.93	20.7	0									
10	SSQDM	25	12	20.02	20.00	19.93											
10	SSQDM	25	25	20.10	20.08	20.02											
10	SSQDM	50	0	19.80	20.02	19.91											
Channel 130997 130997 130997																	
Frequency (MHz)																	
8	QPSK	1	0	20.11	20.20	20.06	20.7	0									
8	QPSK	1	12	20.05	20.08	20.00											
8	QPSK	1	24	20.06	20.05	20.00											
8	QPSK	12	0	20.10	20.18	20.01	20.7	0									
8	QPSK	12	7	20.04	20.02	20.04											
8	QPSK	12	13	20.03	20.07	19.99											
8	QPSK	24	0	20.03	20.16	20.00	20.7	0									
8	HQDM	1	0	20.09	20.02	20.04											
8	HQDM	1	12	20.00	20.13	19.82											
8	HQDM	1	24	20.01	20.03	20.05	20.7	0									
8	HQDM	12	0	20.03	20.04	19.89											
8	HQDM	12	7	19.94	19.96	19.96											
8	HQDM	12	13	20.07	20.09	19.97	20.7	0									
8	HQDM	25	0	20.02	20.07	19.90											
8	HQDM	1	0	19.95	20.13	20.04											
8	HQDM	1	12	19.96	20.08	19.85	20.7	0									
8	HQDM	1	24	20.00	20.04	19.94											
8	HQDM	12	0	20.04	20.04	19.83											
8	HQDM	12	7	19.94	19.94	19.87	20.7	0									
8	HQDM	12	13	20.03	20.05	19.95											
8	HQDM	25	0	19.91	20.00	19.91											
8	SSQDM	1	0	20.04	20.08	20.00	20.7	0									
8	SSQDM	1	12	19.97	20.14	19.95											
8	SSQDM	1	24	19.97	19.95	19.86											
8	SSQDM	12	0	19.90	20.02	19.93	20.7	0									
8	SSQDM	12	7	20.02	20.00	19.91											
8	SSQDM	12	13	20.03	20.07	19.99											
8	SSQDM	24	0	19.80	20.02	19.91											
Channel 130997 130997 130997																	
Frequency (MHz)																	
3	QPSK	1	0	20.11	20.20	20.06	20.7	0									
3	QPSK	1	8	20.08	20.06	20.00											
3	QPSK	1	16	20.06	20.05	20.00											
3	QPSK	8	0	20.03	20.07	20.03	20.7	0									
3	QPSK	8	4	20.02	20.07	19.98											
3	QPSK	8	12	20.02	20.07	19.98											
3	QPSK	16	0	20.09	20.09	19.95	20.7	0									
3	HQDM	1	0	20.01	20.06	19.99											
3	HQDM	1	8	20.00	20.12	19.88											
3	HQDM	1	16	20.02	20.07	19.98	20.7	0									
3	HQDM	8	0	19.95	20.05	19.82											
3	HQDM	8	4	19.96	20.05	19.82											
3	HQDM	8	12	19.99	20.07	19.92	20.7	0									
3	HQDM	16	0	20.01	20.07	19.88											
3	HQDM	16	8	19.98	20.06	19.87											
3	HQDM	16	16	20.03	20.09	19.91	20.7	0									
3	HQDM	32	0	19.99	20.08	19.85											
3	HQDM	1	0	19.97	20.12	19.89											
3	HQDM	1	8	19.98	20.05	19.88	20.7	0									
3	HQDM	1	16	19.99	20.06	19.87											
3	HQDM	8	0	19.95	20.05	19.82											
3	HQDM	8	4	20.01	20.07	19.92	20.7	0									
3	HQDM	8	12	19.98	20.06	19.87											
3	HQDM	16	0	19.99	20.07	19.82											
3	HQDM	16	8	19.97	20.06	19.87	20.7	0									
3	HQDM	32	0	19.99	20.08	19.85											
3	HQDM	1	0	19.97	20.12	19.89											
3	HQDM	1	8	19.98	20.05	19.88	20.7	0									
3	HQDM	1	16	19.99	20.06	19.87											
3	HQDM	8	0	19.95	20.05	19.82											
3	HQDM	8	4	20.01	20.07	19.92	20.7	0									
3	HQDM	8	12	19.98	20.06	19.87											
3	HQDM	16	0	19.99	20.07	19.82											
3	HQDM	16	8	19.97	20.06	19.87	20.7	0									
3	HQDM	32	0	19.99	20.08	19.85											
3	HQDM	1	0	19.97	20.12	19.89											
3	HQDM	1	8	19.98	20.05	19.88	20.7	0									
3	HQDM	1	16	19.99	20.06	19.87											
3	HQDM	8	0	19.95	20.05	19.82											
3	HQDM	8	4	20.01	20.07	19.92	20.7	0									
3	HQDM	8	12	19.98	20.06	19.87											
3	HQDM	16	0	19.99	20.07	19.82											
3	HQDM	16	8	19.97	20.06	19.87	20.7	0									
3	HQDM	32	0	19.99	20.08	19.85											
3	HQDM	1	0	19.97	20.12	19.89											
3	HQDM	1	8	19.98	20.05	19.88	20.7	0									
3	HQDM	1	16	19.99	20.06	19.87											
3	HQDM	8	0	19.95	20.05	19.82											
3	HQDM	8	4	20.01	20.07	19.92	20.7	0									

Band 38 Ant5 DSI 5											
BW (MHz)	Modulation on	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up freq (MHz)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.85	20.01	19.96					
20	QPSK	1	49	19.88	19.93	19.92					
20	QPSK	1	99	19.91	19.98	19.95					
20	QPSK	50	0	19.88	19.98	19.98					
20	QPSK	50	24	19.85	19.83	19.79					
20	QPSK	50	50	19.81	19.82	19.82					
20	QPSK	100	0	19.85	19.95	19.94					
20	16QAM	1	0	19.92	19.87	19.87					
20	16QAM	1	49	19.83	19.87	19.90					
20	16QAM	1	99	19.85	19.84	19.80					
20	16QAM	50	0	19.84	19.86	19.79					
20	16QAM	50	24	19.83	19.69	19.65					
20	16QAM	50	50	19.71	19.69	19.70					
20	16QAM	100	0	19.71	19.88	19.83					
20	64QAM	1	0	19.84	19.94	19.93					
20	64QAM	1	49	19.85	19.88	19.89					
20	64QAM	1	99	19.89	19.79	19.75					
20	64QAM	50	0	19.77	19.92	19.77					
20	64QAM	50	24	19.82	19.85	19.87					
20	64QAM	50	50	19.76	19.73	19.75					
20	64QAM	100	0	19.73	19.85	19.82					
20	256QAM	1	0	19.81	19.91	19.89					
20	256QAM	1	49	19.81	19.88	19.82					
20	256QAM	1	99	19.87	19.78	19.78					
20	256QAM	50	0	19.80	19.96	19.86					
20	256QAM	50	24	19.73	19.71	19.85					
20	256QAM	50	50	19.78	19.74	19.68					
20	256QAM	100	0	19.80	19.87	19.90					
Channel											
Frequency (MHz)											
15	QPSK	1	0	19.86	19.93	19.85					
15	QPSK	1	37	19.83	19.89	19.84					
15	QPSK	1	74	19.85	19.85	19.73					
15	QPSK	36	0	19.82	19.85	19.77					
15	QPSK	36	20	19.81	19.78	19.68					
15	QPSK	36	39	19.70	19.76	19.69					
15	QPSK	75	0	19.73	19.81	19.91					
15	16QAM	1	37	19.78	19.75	19.82					
15	16QAM	1	37	19.79	19.75	19.83					
15	16QAM	1	74	19.72	19.81	19.76					
15	16QAM	36	0	19.71	19.75	19.75					
15	16QAM	36	20	19.73	19.71	19.65					
15	16QAM	36	39	19.66	19.59	19.66					
15	16QAM	75	0	19.69	19.81	19.77					
15	64QAM	1	0	19.86	19.92	19.85					
15	64QAM	1	37	19.79	19.85	19.75					
15	64QAM	1	74	19.77	19.74	19.64					
15	64QAM	36	0	19.69	19.86	19.74					
15	64QAM	36	20	19.78	19.82	19.61					
15	64QAM	36	39	19.70	19.62	19.68					
15	64QAM	75	0	19.67	19.78	19.73					
15	256QAM	1	0	19.79	19.81	19.84					
15	256QAM	1	37	19.79	19.78	19.79					
15	256QAM	1	74	19.75	19.75	19.74					
15	256QAM	36	0	19.68	19.92	19.81					
15	256QAM	36	20	19.65	19.61	19.58					
15	256QAM	36	39	19.65	19.65	19.68					
15	256QAM	75	0	19.70	19.75	19.87					
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.90	19.90	19.86					
5	QPSK	1	25	19.84	19.86	19.88					
5	QPSK	1	49	19.85	19.75	19.82					
5	QPSK	25	0	19.84	19.97	19.84					
5	QPSK	25	12	19.74	19.77	19.66					
5	QPSK	25	25	19.67	19.69	19.73					
5	QPSK	50	0	19.73	19.89	19.86					
5	QPSK	50	1	19.68	19.83	19.84					
5	QPSK	50	12	19.63	19.73	19.78					
5	16QAM	1	0	19.78	19.86	19.80					
5	16QAM	1	49	19.75	19.71	19.76					
5	16QAM	25	0	19.79	19.77	19.70					
5	16QAM	25	12	19.73	19.72	19.59					
5	16QAM	50	0	19.65	19.62	19.69					
5	16QAM	50	1	19.75	19.86	19.85					
5	256QAM	1	25	19.72	19.86	19.68					
5	256QAM	25	0	19.75	19.71	19.65					
5	256QAM	25	12	19.71	19.63	19.56					
5	256QAM	25	25	19.65	19.69	19.58					
5	256QAM	50	0	19.73	19.78	19.78					
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.91	19.96	19.84					
5	QPSK	1	24	19.81	19.84	19.80					
5	QPSK	12	0	19.80	19.92	19.74					
5	QPSK	12	7	19.75	19.76	19.73					
5	QPSK	12	13	19.68	19.73	19.75					
5	QPSK	25	0	19.78	19.86	19.80					
5	16QAM	1	0	19.86	19.75	19.75					
5	16QAM	1	12	19.80	19.86	19.80					
5	16QAM	1	24	19.74	19.76	19.75					
5	16QAM	12	0	19.76	19.81	19.72					
5	16QAM	12	7	19.73	19.63	19.57					
5	16QAM	12	13	19.60	19.61	19.65					
5	16QAM	25	0	19.63	19.80	19.70					
5	64QAM	1	0	19.73	19.81	19.88					
5	64QAM	1	12	19.76	19.80	19.77					
5	64QAM	1	24	19.76	19.72	19.66					
5	64QAM	12	0	19.74	19.88	19.67					
5	64QAM	12	7	19.70	19.69	19.61					
5	64QAM	12	13	19.63	19.67	19.71					
5	256QAM	1	0	19.75	19.88	19.83					
5	256QAM	1	12	19.78	19.76	19.71					
5	256QAM	1	24	19.85	19.75	19.70					
5	256QAM	12	0	19.68	19.83	19.79					
5	256QAM	12	7	19.63	19.65	19.60					
5	256QAM	12	13	19.71	19.68	19.69					
5	256QAM	25	0	19.76	19.82	19.85					

Band 42 Ant5 DSI 5											
BW (MHz)	Modulation on	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up freq (MHz)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	17.68	17.75	17.70					
20	QPSK	1	49	17.68	17.68	17.63					
20	QPSK	1	99	17.61	17.64	17.68					
20	QPSK	50	0	17.56	17.73	17.66					
20	QPSK	50	24	17.58	17.62	17.61					
20	QPSK	50	50	17.61	17.63	17.68					
20	QPSK	100	0	17.63	17.72	17.57					
20	16QAM	1	0	17.55	17.69	17.62					
20	16QAM	1	49	17.49	17.53	17.54					
20	16QAM	1	99	17.52	17.60	17.60					
20	16QAM	50	0	17.53	17.69	17.52					
20	16QAM	50	24	17.54	17.59	17.54					
20	16QAM	50	50	17.48	17.59	17.65					
20	16QAM	100	0	17.56	17.62	17.53					
20	64QAM	1	0	17.65	17.64	17.64					
20	64QAM	1	49	17.49	17.53	17.50					
20	64QAM	1	99	17.47	17.51	17.54					
20	64QAM	50	0	17.43	17.67	17.64					
20	64QAM	50	24	17.44	17.54	17.52					
20	64QAM	50	50	17.56	17.57	17.57					
20	64QAM	100	0	17.56	17.60	17.57					

GSM1900 Ant4 DSI 5									
GSM1900		Burst Average Power (dBm)			Time-up Limit (dBm)	Frame Average Power (dBm)			Time-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1950.2	1960	1970.8		1950.2	1960	1970.8	
GSM 1 Tx slot		27.03	26.92	27.01	28.50	18.03	17.92	18.01	19.50
GPRS 1 Tx slot		27.11	27.00	27.08	28.50	18.11	18.00	18.08	19.50
GPRS 2 Tx slot		23.89	24.10	23.75	25.50	17.89	18.10	17.75	19.50
GPRS 3 Tx slot		22.10	22.17	21.87	23.70	17.84	17.91	17.61	19.44
GPRS 4 Tx slot		20.83	20.74	20.56	22.50	17.63	17.74	17.58	19.50
EDGE 1 Tx slot		23.26	23.23	23.27	25.20	14.26	14.23	14.27	16.20
EDGE 2 Tx slot		20.57	20.52	20.35	22.20	14.57	14.52	14.35	16.20
EDGE 3 Tx slot		18.78	18.97	18.74	20.40	14.52	14.71	14.49	16.14
EDGE 4 Tx slot		17.25	17.31	17.22	19.20	14.25	14.31	14.22	16.20
WCDMA II Ant4 DSI 5									
Band		WCDMA II			Time-up Limit (dBm)	WCDMA IV			Time-up Limit (dBm)
TX Channel		9262	9409	9558		1312	1413	1513	
Rx Channel		9662	9800	9938		1337	1638	1738	
Frequency (MHz)		1824.6	1840	1857.6		1724.6	1740.6	1757.6	
3GPP Rel 99	AMR 12.2Kbps	16.50	16.75	16.74	18.20	16.15	16.22	16.14	17.90
3GPP Rel 99	RMC 12.2Kbps	16.69	16.78	16.72	18.20	16.17	16.25	16.20	17.90
3GPP Rel 6	HSOPA Subtest-1	15.64	15.91	15.84	17.20	15.06	15.24	15.32	16.90
3GPP Rel 6	HSOPA Subtest-2	15.71	15.95	15.82	17.20	15.01	15.25	15.32	16.90
3GPP Rel 6	HSOPA Subtest-3	15.17	15.45	15.36	16.70	14.57	14.76	14.75	16.40
3GPP Rel 6	HSOPA Subtest-4	15.19	15.43	15.34	16.70	14.61	14.86	14.72	16.40
3GPP Rel 8	DC-HSOPA Subtest-1	15.71	15.91	15.81	17.20	15.04	15.29	15.28	16.90
3GPP Rel 8	DC-HSOPA Subtest-2	15.63	15.88	15.85	17.20	14.97	15.25	15.28	16.90
3GPP Rel 8	DC-HSOPA Subtest-3	15.22	15.34	15.39	16.70	14.60	14.86	14.74	16.40
3GPP Rel 8	DC-HSOPA Subtest-4	15.13	15.34	15.38	16.70	14.52	14.73	14.77	16.40
3GPP Rel 6	HSUPA Subtest-1	15.69	15.90	15.93	17.20	15.11	15.25	15.29	16.90
3GPP Rel 6	HSUPA Subtest-2	13.73	13.93	13.89	15.20	13.09	13.32	13.17	14.90
3GPP Rel 6	HSUPA Subtest-3	14.72	14.84	14.90	16.20	14.04	14.37	14.32	15.90
3GPP Rel 6	HSUPA Subtest-4	13.68	13.94	13.86	15.20	13.07	13.36	13.24	14.90
3GPP Rel 6	HSUPA Subtest-5	15.63	15.96	15.84	17.20	15.03	15.33	15.22	16.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.23	13.36	13.37	14.70	12.57	12.78	12.75	14.40

Band 2 Ant4 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	TPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.73	16.77	16.71			
20	QPSK	1	8	16.83	16.87	16.79	18.2	0	
20	QPSK	50	0	16.68	16.73	16.67			
20	QPSK	50	24	16.85	16.85	16.80			
20	QPSK	50	24	16.85	16.85	16.80	18.2	0	
20	QPSK	100	0	16.62	16.72	16.61			
20	QPSK	100	8	16.68	16.69	16.63			
20	QPSK	100	8	16.68	16.69	16.63	18.2	0	
20	QPSK	100	16	16.68	16.69	16.63			
20	QPSK	100	24	16.68	16.69	16.63			
20	QPSK	500	0	16.63	16.69	16.55	18.2	0	
20	QPSK	500	8	16.63	16.69	16.55			
20	QPSK	500	16	16.63	16.69	16.55			
20	QPSK	500	24	16.63	16.69	16.55			
20	QPSK	500	32	16.63	16.69	16.55	18.2	0	
20	QPSK	500	40	16.63	16.69	16.55			
20	QPSK	500	48	16.63	16.69	16.55			
20	QPSK	500	56	16.63	16.69	16.55	18.2	0	
20	QPSK	500	64	16.63	16.69	16.55			
20	QPSK	500	72	16.63	16.69	16.55			
20	QPSK	500	80	16.63	16.69	16.55	18.2	0	
20	QPSK	500	88	16.63	16.69	16.55			
20	QPSK	500	96	16.63	16.69	16.55			
20	QPSK	500	104	16.63	16.69	16.55	18.2	0	
20	QPSK	500	112	16.63	16.69	16.55			
20	QPSK	500	120	16.63	16.69	16.55			
20	QPSK	500	128	16.63	16.69	16.55	18.2	0	
20	QPSK	500	136	16.63	16.69	16.55			
20	QPSK	500	144	16.63	16.69	16.55			
20	QPSK	500	152	16.63	16.69	16.55	18.2	0	
20	QPSK	500	160	16.63	16.69	16.55			
20	QPSK	500	168	16.63	16.69	16.55			
20	QPSK	500	176	16.63	16.69	16.55	18.2	0	
20	QPSK	500	184	16.63	16.69	16.55			
20	QPSK	500	192	16.63	16.69	16.55			
20	QPSK	500	200	16.63	16.69	16.55	18.2	0	
20	QPSK	500	208	16.63	16.69	16.55			
20	QPSK	500	216	16.63	16.69	16.55			
20	QPSK	500	224	16.63	16.69	16.55	18.2	0	
20	QPSK	500	232	16.63	16.69	16.55			
20	QPSK	500	240	16.63	16.69	16.55			
20	QPSK	500	248	16.63	16.69	16.55	18.2	0	
20	QPSK	500	256	16.63	16.69	16.55			
20	QPSK	500	264	16.63	16.69	16.55			
20	QPSK	500	272	16.63	16.69	16.55	18.2	0	
20	QPSK	500	280	16.63	16.69	16.55			
20	QPSK	500	288	16.63	16.69	16.55			
20	QPSK	500	296	16.63	16.69	16.55	18.2	0	
20	QPSK	500	304	16.63	16.69	16.55			
20	QPSK	500	312	16.63	16.69	16.55			
20	QPSK	500	320	16.63	16.69	16.55	18.2	0	
20	QPSK	500	328	16.63	16.69	16.55			
20	QPSK	500	336	16.63	16.69	16.55			
20	QPSK	500	344	16.63	16.69	16.55	18.2	0	
20	QPSK	500	352	16.63	16.69	16.55			
20	QPSK	500	360	16.63	16.69	16.55			
20	QPSK	500	368	16.63	16.69	16.55	18.2	0	
20	QPSK	500	376	16.63	16.69	16.55			
20	QPSK	500	384	16.63	16.69	16.55			
20	QPSK	500	392	16.63	16.69	16.55	18.2	0	
20	QPSK	500	400	16.63	16.69	16.55			
20	QPSK	500	408	16.63	16.69	16.55			
20	QPSK	500	416	16.63	16.69	16.55	18.2	0	
20	QPSK	500	424	16.63	16.69	16.55			
20	QPSK	500	432	16.63	16.69	16.55			
20	QPSK	500	440	16.63	16.69	16.55	18.2	0	
20	QPSK	500	448	16.63	16.69	16.55			
20	QPSK	500	456	16.63	16.69	16.55			
20	QPSK	500	464	16.63	16.69	16.55	18.2	0	
20	QPSK	500	472	16.63	16.69	16.55			
20	QPSK	500	480	16.63	16.69	16.55			
20	QPSK	500	488	16.63	16.69	16.55	18.2	0	
20	QPSK	500	496	16.63	16.69	16.55			
20	QPSK	500	504	16.63	16.69	16.55			
20	QPSK	500	512	16.63	16.69	16.55	18.2	0	
20	QPSK	500	520	16.63	16.69	16.55			
20	QPSK	500	528	16.63	16.69	16.55			
20	QPSK	500	536	16.63	16.69	16.55	18.2	0	
20	QPSK	500	544	16.63	16.69	16.55			
20	QPSK	500	552	16.63	16.69	16.55			
20	QPSK	500	560	16.63	16.69	16.55	18.2	0	
20	QPSK	500	568	16.63	16.69	16.55			
20	QPSK	500	576	16.63	16.69	16.55			
20	QPSK	500	584	16.63	16.69	16.55	18.2	0	
20	QPSK	500	592	16.63	16.69	16.55			
20	QPSK	500	600	16.63	16.69	16.55			
20	QPSK	500	608	16.63	16.69	16.55	18.2	0	
20	QPSK	500	616	16.63	16.69	16.55			
20	QPSK	500	624	16.63	16.69	16.55			
20	QPSK	500	632	16.63	16.69	16.55	18.2	0	
20	QPSK	500	640	16.63	16.69	16.55			
20	QPSK	500	648	16.63	16.69	16.55			
20	QPSK	500	656	16.63	16.69	16.55	18.2	0	
20	QPSK	500	664	16.63	16.69	16.55			
20	QPSK	500	672	16.63	16.69	16.55			
20	QPSK	500	680	16.63	16.69	16.55	18.2	0	
20	QPSK	500	688	16.63	16.69	16.55			
20	QPSK	500	696	16.63	16.69	16.55			
20	QPSK	500	704	16.63	16.69	16.55	18.2	0	
20	QPSK	500	712	16.63	16.69	16.55			
20	QPSK	500	720	16.63	16.69	16.55			
20	QPSK	500	728	16.63	16.69	16.55	18.2	0	
20	QPSK	500	736	16.63	16.69	16.55			
20	QPSK	500	744	16.63	16.69	16.55			
20	QPSK	500	752	16.63	16.69	16.55	18.2	0	
20	QPSK	500	760	16.63	16.69	16.55			
20	QPSK	500	768	16.63	16.69	16.55			
20	QPSK	500	776	16.63	16.69	16.55	18.2	0	
20	QPSK	500	784	16.63	16.69	16.55			
20	QPSK	500	792	16.63	16.69	16.55			
20	QPSK	500	800	16.63	16.69	16.55	18.2	0	
20	QPSK	500	808	16.63	16.69	16.55			
20	QPSK	500	816	16.63	16.69	16.55			
20	QPSK	500	824	16.63	16.69	16.55	18.2	0	
20	QPSK	500	832	16.63	16.69	16.55			
20	QPSK	500	840	16.63	16.69	16.55			
20	QPSK	500	848	16.63	16.69	16.55	18.2	0	
20	QPSK	500	856	16.63	16.69	16.55			
20	QPSK	500	864	16.63	16.69	16.55			
20	QPSK	500	872	16.63	16.69	16.55	18.2	0	
20	QPSK	500	880	16.63	16.69	16.55			
20	QPSK	500	888	16.63	16.69	16.55			
20	QPSK	500	896	16.63	16.69	16.55	18.2	0	
20	QPSK	500	904	16.63	16.69	16.55			
20	QPSK	500	912	16.63	16.69	16.55			
20	QPSK	500	920	16.63	16.69	16.55	18.2	0	
20	QPSK	500	928	16.63	16.69	16.55			
20	QPSK	500	936	16.63	16.69	16.55			
20	QPSK	500	944	16.63	16.69	16.55	18.2	0	
20	QPSK	500	952	16.63	16.69	16.55			
20	QPSK	500	960	16.63	16.69	16.55			
20	QPSK	500	968	16.63	16.69	16.55	18.2	0	
20	QPSK	500	976	16.63	16.69	16.55			
20	QPSK	500	984	16.63	16.69	16.55			
20	QPSK	500	992	16.63	16.69	16.55	18.2	0	
20	QPSK	500	1000	16.63	16.69	16.55			
20	QPSK	500	1008	16.63	16.69	16.55			
20	QPSK	500	1016	16.63	16.69	16.55	18.2	0	
20	QPSK	500	1024	16.63	16.69	16.55			
20	QPSK	500	1032	16.63	16.69	16.55			
20	QPSK	500	1040	16.63	16.69	16.55	18.2	0	
20	QPSK	500	1048	16.63	16.69	16.55			
20	QPSK	500	1056	16.63	16.69	16.55			
20	QPSK	500	1064	16.63	16.69	16.55	18.2	0	
20	QPSK	500	1072	16.63	16.69	16.55			
20	QPSK	500	1080	16.63	16.69	16.55			
20	QPSK	500	1088	16.63	16.69	16.55	18.2	0	
20	QPSK	500	1096	16.63	16.69	16.55			
20	QPSK	500	1104	16.63	16.69	16.55			</

Band 25 Ant4 DSI 5													Band 66 Ant4 DSI 5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modulo Ch. / Freq.	Power High Ch. / Freq.	Time-slot (ms)	APRS (dB)					BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modulo Ch. / Freq.	Power High Ch. / Freq.	Time-slot (ms)	APRS (dB)				
Channel													Channel												
Frequency (MHz)													Frequency (MHz)												
20	QPSK	1	0	16.53	16.56	16.56							20	QPSK	1	0	14.08	14.11	14.46						
20	QPSK	1	49	16.48	16.50	16.39	18.3	0					20	QPSK	1	49	14.38	14.40	14.41	15.5	0				
20	QPSK	1	99	16.48	16.44	16.43							20	QPSK	1	99	14.38	14.36	14.38						
20	QPSK	50	0	16.49	16.52	16.41							20	QPSK	50	0	14.00	14.57	14.34						
20	QPSK	50	24	16.43	16.48	16.38							20	QPSK	50	24	14.38	14.42	14.41	15.5	0				
20	QPSK	50	50	16.46	16.49	16.44							20	QPSK	50	50	14.38	14.42	14.34						
20	QPSK	100	0	16.49	16.50	16.44							20	QPSK	100	0	14.00	14.65	14.43						
20	16QAM	1	0	16.47	16.43	16.43							20	16QAM	1	0	14.00	14.42	14.41	15.5	0				
20	16QAM	1	49	16.49	16.48	16.34	18.3	0					20	16QAM	1	49	14.38	14.40	14.38						
20	16QAM	1	99	16.45	16.42	16.40							20	16QAM	1	99	14.33	14.36	14.32						
20	16QAM	50	0	16.43	16.48	16.37							20	16QAM	50	0	14.27	14.50	14.24						
20	16QAM	50	24	16.45	16.41	16.31	18.3	0					20	16QAM	50	24	14.37	14.40	14.24						
20	16QAM	50	50	16.39	16.41	16.42							20	16QAM	50	50	14.30	14.32	14.37						
20	16QAM	100	0	16.44	16.42	16.39							20	16QAM	100	0	14.27	14.57	14.35	15.5	0				
20	64QAM	1	0	16.43	16.46	16.43							20	64QAM	1	0	14.41	14.46	14.37						
20	64QAM	1	49	16.39	16.44	16.36	18.3	0					20	64QAM	1	49	14.27	14.36	14.36	15.5	0				
20	64QAM	1	99	16.37	16.37	16.36							20	64QAM	1	99	14.22	14.30	14.30						
20	64QAM	50	0	16.39	16.42	16.36							20	64QAM	50	0	14.36	14.33	14.24						
20	64QAM	50	24	16.46	16.37	16.32	18.3	0					20	64QAM	50	24	14.32	14.30	14.29	15.5	0				
20	64QAM	50	50	16.40	16.43	16.41							20	64QAM	50	50	14.30	14.36	14.30						
20	64QAM	100	0	16.45	16.39	16.30							20	64QAM	100	0	14.29	14.35	14.29						
20	256QAM	1	0	16.48	16.51	15.53							20	256QAM	1	0	14.43	14.39	14.34	15.5	0				
20	256QAM	1	49	15.52	15.46	15.34	17.3	1					20	256QAM	1	49	14.32	14.27	14.30						
20	256QAM	1	99	15.52	15.41	15.49							20	256QAM	1	99	14.30	14.38	14.35						
20	256QAM	50	0	15.48	15.48	15.38							20	256QAM	50	0	14.34	14.42	14.24	15.5	0				
20	256QAM	50	24	15.48	15.43	15.34	17.3	1					20	256QAM	50	24	14.30	14.32	14.26						
20	256QAM	50	50	15.42	15.44	15.46							20	256QAM	50	50	14.30	14.38	14.24						
20	256QAM	100	0	15.46	15.51	15.40							20	256QAM	100	0	14.34	14.36	14.40						
Channel													Channel												
Frequency (MHz)													Frequency (MHz)												
15	QPSK	1	0	16.45	16.52	16.41							15	QPSK	1	0	17.14	17.45	17.25						
15	QPSK	1	37	16.44	16.43	16.37	18.3	0					15	QPSK	1	37	17.14	17.45	17.25						
15	QPSK	1	74	16.46	16.41	16.36							15	QPSK	1	74	17.13	17.43	17.25						
15	QPSK	36	0	16.50	16.47	16.43							15	QPSK	36	0	14.33	14.35	14.31	15.5	0				
15	QPSK	36	20	16.46	16.43	16.30	18.3	0					15	QPSK	36	20	14.33	14.31	14.31						
15	QPSK	36	36	16.41	16.44	16.42							15	QPSK	36	36	14.26	14.34	14.30						
15	16QAM	1	0	16.49	16.43	16.46							15	16QAM	1	0	14.33	14.35	14.37						
15	16QAM	1	74	16.39	16.38	16.42	18.3	0					15	16QAM	1	74	14.24	14.30	14.22	15.5	0				
15	16QAM	1	37	16.39	16.46	16.33							15	16QAM	1	37	14.24	14.32	14.21						
15	16QAM	36	0	16.48	16.43	16.36							15	16QAM	36	0	14.11	14.21	14.18	15.5	0				
15	16QAM	36	20	16.35	16.43	16.33	18.3	0					15	16QAM	36	20	14.11	14.21	14.18						
15	16QAM	36	36	16.47	16.38	16.32							15	16QAM	36	36	14.20	14.28	14.28	15.5	0				
15	16QAM	75	0	16.44	16.39	16.32							15	16QAM	75	0	14.27	14.27	14.24						
15	64QAM	1	0	16.36	16.48	16.41							15	64QAM	1	0	14.20	14.26	14.31	15.5	0				
15	64QAM	1	37	16.41	16.36	16.31	18.3	0					15	64QAM	1	37	14.24	14.28	14.19						
15	64QAM	1	74	16.37	16.35	16.37							15	64QAM	1	74	14.25	14.25	14.18						
15	64QAM	36	0	16.40	16.38	16.35							15	64QAM	36	0	14.16	14.31	14.16	15.5	0				
15	64QAM	36	20	16.48	16.35	16.32	18.3	0					15	64QAM	36	20	14.25	14.25	14.18						
15	64QAM	36	36	16.31	16.43	16.41							15	64QAM	36	36	14.25	14.25	14.18	15.5	0				
15	64QAM	75	0	16.45	16.39	16.32							15	64QAM	75	0	14.16	14.31	14.16						
15	256QAM	1	0	16.43	16.44	16.41							15	256QAM	1	0	14.27	14.27	14.24	15.5	0				
15	256QAM	1	37	15.54	15.38	15.31	17.3	1					15	256QAM	1	37	14.22	14.27	14.16						
15	256QAM	1	74	15.48	15.40	15.49							15	256QAM	1	74	14.28	14.31	14.22						
15	256QAM	36	0	15.42	15.47	15.38							15	256QAM	36	0	14.21	14.21	14.25	15.5	0				
15	256QAM	36	20	15.46	15.42	15.35	17.3	1					15	256QAM	36	20	14.15	14.34	14.23						
15	256QAM	36	36	15.41	15.43	15.41							15	256QAM	36	36	14.28	14.33	14.14						
15	256QAM	75	0	15.42	15.48	15.46							15	256QAM	75	0	14.20	14.28	14.34	15.5	0				
Channel													Channel												
Frequency (MHz)													Frequency (MHz)												
10	QPSK	1	0	16.49	16.52	16.41							10	QPSK	1	0	14.43	14.44	14.38						
10	QPSK	1	12	16.44	16.44	16.37	18.3	0					10	QPSK	1	12	14.29	14.41	14.39	15.5	0				
10	QPSK	1	24	16.46	16.48	16.46							10	QPSK	1	24	14.43	14.36	14.32						
10	QPSK	12	0	16.48	16.54	16.33							10	QPSK	12	0	14.41	14.31	14.32						
10	QPSK	12	7	16.44	16.38	16.35	18.3	0					10	QPSK	12	7	14.26	14.38	14.38						
10	QPSK	12	13	16.38	16.49	16.41							10	QPSK	12	13	14.31	14.32	14.32	15.5	0				
10	16QAM	1	0	16.47	16.45	16.45							10	16QAM	1	0	14.32	14.32	14.32						
10	16QAM	1	12	16.49	16.49	16.34	18.3	0					10	16QAM	1	12	14.27	14.33	14.32						
10	16QAM	1	24	16.44	16.41	16.38							10	16QAM	1	24	14.23	14.27	14.21	15.5	0				
10	16QAM	12	0	16.45	16.40	16.36							10	16QAM	12	0	14.22	14.30	14.18						
10	16QAM	12	7	16.46	16.33	16.44	18.3	0					10	16QAM	12	7	14.18	14.28	14.18						
10	16QAM	12	13	16.35	16.44	16.42							10	16QAM	12	13	14.10	14.24	14.24	15.5	0				
10	16QAM	24	0	16.37	16.42	16.37							10	16QAM	24	0	14.26	14.26	14.26						
10	64QAM	1	0	16.35	16.48	16.40							10	64QAM	1	0	14.36	14.32	14.28	15.5	0				
10	64QAM	1	12	16.42	16.36	16.35	18.3	0					10	64QAM	1	12	14.16	14.26	14.28						

Band 38 Ant4 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MPE [dB]		
Channel										
Frequency [MHz]				37850	38000	38150				
				2580	2595	2610				
10	QPSK	1	0	19.75	19.77	19.72				
20	QPSK	1	49	19.72	19.68	19.68	21.2	0		
20	QPSK	1	99	19.65	19.66	19.61				
20	QPSK	50	0	19.71	19.74	19.61				
20	QPSK	50	24	19.65	19.73	19.68	21.2	0		
20	QPSK	50	50	19.63	19.74	19.69				
20	16QAM	1	0	19.69	19.68	19.67				
20	16QAM	1	49	19.61	19.56	19.58	21.2	0		
20	16QAM	1	99	19.61	19.57	19.55				
20	16QAM	50	0	19.61	19.69	19.55				
20	16QAM	50	24	19.56	19.70	19.62	21.2	0		
20	16QAM	50	50	19.53	19.69	19.56				
20	16QAM	100	0	19.52	19.63	19.52				
20	64QAM	1	0	19.72	19.69	19.70				
20	64QAM	1	49	19.64	19.60	19.58	21.2	0		
20	64QAM	1	99	19.59	19.55	19.55				
20	64QAM	50	0	19.63	19.62	19.48				
20	64QAM	50	24	19.55	19.63	19.62	21.2	0		
20	64QAM	50	50	19.54	19.65	19.60				
20	64QAM	100	0	19.49	19.66	19.55				
20	256QAM	1	0	18.25	18.25	18.23				
20	256QAM	1	49	18.20	18.16	18.15	19.7	1.5		
20	256QAM	1	99	18.20	18.16	18.13				
20	256QAM	50	0	18.20	18.21	18.05				
20	256QAM	50	24	18.17	18.20	18.19	19.7	1.5		
20	256QAM	50	50	18.10	18.22	18.23				
20	256QAM	100	0	18.07	18.21	18.11				
Channel				37775	38000	38172				
Frequency [MHz]				2577.5	2595	2612.5				
15	QPSK	1	0	19.67	19.69	19.67				
15	QPSK	1	37	19.66	19.56	19.55	21.2	0		
15	QPSK	1	74	19.57	19.49	19.55				
15	QPSK	36	0	19.59	19.71	19.56				
15	QPSK	36	20	19.53	19.64	19.58	21.2	0		
15	QPSK	36	39	19.52	19.60	19.60				
15	QPSK	75	0	19.57	19.49	19.55				
15	16QAM	1	0	19.56	19.56	19.55				
15	16QAM	1	37	19.52	19.43	19.51	21.2	0		
15	16QAM	1	74	19.52	19.44	19.53				
15	16QAM	36	0	19.53	19.62	19.52				
15	16QAM	36	20	19.47	19.61	19.60	21.2	0		
15	16QAM	36	39	19.47	19.59	19.53				
15	16QAM	75	0	19.41	19.57	19.44				
15	64QAM	1	0	19.66	19.55	19.57				
15	64QAM	1	37	19.57	19.49	19.55	21.2	0		
15	64QAM	1	74	19.46	19.47	19.46				
15	64QAM	36	0	19.55	19.52	19.40				
15	64QAM	36	20	19.51	19.59	19.57	21.2	0		
15	64QAM	36	39	19.51	19.62	19.49				
15	64QAM	75	0	19.45	19.54	19.44				
15	256QAM	1	0	18.16	18.21	18.20				
15	256QAM	1	37	18.10	18.06	18.06	19.7	1.5		
15	256QAM	1	74	18.12	18.01	18.05				
15	256QAM	36	0	18.06	18.14	17.92				
15	256QAM	36	20	18.06	18.11	18.07	19.7	1.5		
15	256QAM	36	39	18.05	18.17	18.11				
15	256QAM	75	0	18.01	18.12	18.06				
Channel				37800	38000	38200				
Frequency [MHz]				2574	2595	2615				
10	QPSK	1	0	19.66	19.66	19.69				
10	QPSK	1	25	19.65	19.58	19.66	21.2	0		
10	QPSK	1	49	19.53	19.55	19.55				
10	QPSK	25	0	19.62	19.66	19.50				
10	QPSK	25	12	19.56	19.61	19.58	21.2	0		
10	QPSK	25	25	19.59	19.67	19.61				
10	QPSK	50	0	19.49	19.70	19.54				
10	16QAM	1	0	19.63	19.61	19.56				
10	16QAM	1	12	19.54	19.56	19.46	21.2	0		
10	16QAM	1	49	19.53	19.54	19.50				
10	16QAM	25	0	19.55	19.63	19.48				
10	16QAM	25	12	19.51	19.65	19.54	21.2	0		
10	16QAM	25	25	19.41	19.62	19.50				
10	16QAM	50	0	19.41	19.60	19.47				
10	64QAM	1	0	19.64	19.60	19.58				
10	64QAM	1	25	19.51	19.46	19.50	21.2	0		
10	64QAM	1	49	19.55	19.46	19.49				
10	64QAM	25	0	19.54	19.58	19.36				
10	64QAM	25	12	19.50	19.50	19.55	21.2	0		
10	64QAM	25	25	19.46	19.54	19.48				
10	64QAM	50	0	19.40	19.64	19.46				
10	256QAM	1	0	18.22	18.20	18.12				
10	256QAM	1	25	18.08	18.12	18.02	19.7	1.5		
10	256QAM	1	49	18.08	18.11	18.03				
10	256QAM	25	0	18.13	18.08	17.97				
10	256QAM	25	12	18.13	18.16	18.10	19.7	1.5		
10	256QAM	25	25	18.08	18.18	18.14				
10	256QAM	50	0	18.05	18.16	18.05				
Channel				37775	38000	38225				
Frequency [MHz]				2572.5	2595	2617.5				
5	QPSK	1	0	19.62	19.73	19.69				
5	QPSK	1	12	19.66	19.62	19.62	21.2	0		
5	QPSK	1	24	19.59	19.61	19.56				
5	QPSK	12	0	19.69	19.65	19.57				
5	QPSK	12	7	19.52	19.67	19.60	21.2	0		
5	QPSK	12	13	19.55	19.60	19.64				
5	QPSK	25	0	19.56	19.68	19.58				
5	16QAM	1	0	19.64	19.61	19.62				
5	16QAM	1	12	19.51	19.53	19.51	21.2	0		
5	16QAM	1	24	19.54	19.46	19.46				
5	16QAM	12	0	19.52	19.57	19.51				
5	16QAM	12	7	19.47	19.62	19.53	21.2	0		
5	16QAM	12	13	19.46	19.62	19.42				
5	16QAM	25	0	19.46	19.52	19.50				
5	64QAM	1	0	19.59	19.61	19.67				
5	64QAM	1	12	19.58	19.48	19.53	21.2	0		
5	64QAM	1	24	19.48	19.52	19.50				
5	64QAM	12	0	19.50	19.49	19.36				
5	64QAM	12	7	19.47	19.49	19.60	21.2	0		
5	64QAM	12	13	19.51	19.59	19.53				
5	64QAM	25	0	19.45	19.54	19.49				
5	256QAM	1	0	18.11	18.14	18.15				
5	256QAM	1	12	18.14	18.06	18.07	19.7	1.5		
5	256QAM	1	24	18.06	18.00	18.07				
5	256QAM	12	0	18.15	18.09	18.00				
5	256QAM	12	7	18.14	18.14	18.11	19.7	1.5		
5	256QAM	12	13	18.02	18.19	18.17				
5	256QAM	25	0	18.03	18.08	18.06				

Band 41 Ant4 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Middle Ch / Freq	Tune-up [mHz]	MPE (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2598	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.72	18.75	18.77	18.70	18.68		
20	QPSK	1	49	18.63	18.72	18.73	18.62	18.64	20.2	0
20	QPSK	1	99	18.60	18.65	18.67	18.60	18.62		
20	QPSK	50	0	18.63	18.72	18.74	18.59	18.62		
20	QPSK	50	24	18.69	18.62	18.70	18.59	18.59	20.2	0
20	QPSK	50	50	18.65	18.64	18.63	18.63	18.61		
20	QPSK	100	0	18.64	18.69	18.71	18.61	18.59		
20	16QAM	1	0	18.69	18.72	18.69	18.61	18.55		
20	16QAM	1	49	18.49	18.70	18.64	18.58	18.57	20.2	0
20	16QAM	1	99	18.50	18.58	18.60	18.58	18.56		
20	16QAM	50	0	18.54	18.70	18.60	18.49	18.54		
20	16QAM	50	24	18.67	18.55	18.61	18.54	18.56	20.2	0
20	16QAM	50	50	18.56	18.59	18.60	18.52	18.56		
20	16QAM	100	0	18.56	18.65	18.62	18.49	18.49		
20	64QAM	1	0	18.62	18.70	18.69	18.66	18.60		
20	64QAM	1	49	18.50	18.68	18.64	18.51	18.59	20.2	0
20	64QAM	1	99	18.47	18.59	18.56	18.54	18.60		
20	64QAM	50	0	18.54	18.62	18.61	18.54	18.55		
20	64QAM	50	24	18.62	18.56	18.58	18.51	18.55	20.2	0
20	64QAM	50	50	18.52	18.56	18.53	18.50	18.52		
20	64QAM	100	0	18.61	18.62	18.57	18.50	18.45		
20	256QAM	1	0	18.23	18.20	18.24	18.23	18.13		
20	256QAM	1	49	18.09	18.25	18.24	18.17	18.19	19.7	0.5
20	256QAM	1	99	18.07	18.18	18.13	18.10	18.06		
20	256QAM	50	0	18.14	18.14	18.07	18.03	18.02		
20	256QAM	50	24	18.21	18.09	18.22	18.06	18.08	19.7	0.5
20	256QAM	50	50	18.10	18.09	18.18	18.08	18.06		
20	256QAM	100	0	18.16	18.15	18.19	18.17	18.12	19.7	0.5
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.3	19.7	0.5
Channel										
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.3	19.7	0.5
15	QPSK	1	0	18.62	18.62	18.64	18.62	18.59		
15	QPSK	1	37	18.56	18.63	18.70	18.58	18.54	20.2	0
15	QPSK	1	74	18.54	18.61	18.62	18.52	18.54		
15	QPSK	36	0	18.59	18.66	18.69	18.57	18.53		
15	QPSK	36	20	18.58	18.55	18.63	18.51	18.52	20.2	0
15	QPSK	36	39	18.56	18.61	18.50	18.56	18.50		
15	QPSK	75	0	18.55	18.68	18.68	18.55	18.55		
15	16QAM	1	0	18.63	18.69	18.69	18.58	18.46		
15	16QAM	1	37	18.39	18.61	18.62	18.51	18.49	20.2	0
15	16QAM	1	74	18.38	18.46	18.58	18.55	18.49		
15	16QAM	36	0	18.42	18.57	18.55	18.38	18.45		
15	16QAM	36	20	18.55	18.56	18.59	18.42	18.46	20.2	0
15	16QAM	36	39	18.46	18.55	18.47	18.42	18.47		
15	16QAM	75	0	18.47	18.51	18.54	18.37	18.37		
15	64QAM	1	0	18.52	18.64	18.66	18.61	18.52		
15	64QAM	1	37	18.38	18.64	18.51	18.46	18.49	20.2	0
15	64QAM	1	74	18.39	18.49	18.50	18.38	18.46		
15	64QAM	36	0	18.43	18.53	18.54	18.43	18.52		
15	64QAM	36	20	18.48	18.43	18.52	18.43	18.42	20.2	0
15	64QAM	36	39	18.47	18.41	18.42	18.38	18.37		
15	64QAM	75	0	18.43	18.51	18.50	18.37	18.38	19.7	0.5
15	256QAM	1	0	18.20	18.10	18.19	18.14	18.11		
15	256QAM	1	37	17.95	18.22	18.11	18.05	18.05	19.7	0.5
15	256QAM	1	74	17.95	18.14	18.05	18.07	17.96		
15	256QAM	36	0	18.01	18.14	18.19	18.01	18.01	20.2	0
15	256QAM	36	20	18.12	18.07	18.17	17.92	18.00		
15	256QAM	36	39	17.96	18.00	18.13	18.04	18.02	19.7	0.5
15	256QAM	75	0	18.02	18.05	18.10	18.09	18.05		
Channel										
Frequency (MHz)				39700	40060	40620	41098	41560	19.7	0.5
				2597	2547	2593	2643	2693		
10	QPSK	1	0	18.61	18.72	18.75	18.67	18.65		
10	QPSK	1	25	18.30	18.60	18.62	18.50	18.62	20	0
10	QPSK	1	49	18.47	18.53	18.62	18.55	18.59		
10	QPSK	1	74	18.50	18.59	18.62	18.48	18.58		
10	QPSK	25	12	18.64	18.53	18.63	18.51	18.48	20.2	0
10	QPSK	25	25	18.53	18.50	18.55	18.60	18.57		
10	QPSK	50	0	18.55	18.58	18.67	18.58	18.56		
10	16QAM	1	0	18.64	18.69	18.63	18.56	18.61	20.2	0
10	16QAM	1	25	18.50	18.59	18.62	18.48	18.47		
10	16QAM	1	49	18.44	18.49	18.60	18.52	18.48		
10	16QAM	25	0	18.52	18.60	18.56	18.45	18.46	20.2	0
10	16QAM	25	12	18.59	18.48	18.56	18.40	18.42		
10	16QAM	50	0	18.45	18.54	18.53	18.38	18.43	20.2	0
10	64QAM	1	0	18.50	18.68	18.62	18.62	18.55		
10	64QAM	1	25	18.40	18.63	18.51	18.40	18.50	20.2	0
10	64QAM	1	49	18.39	18.56	18.44	18.37	18.46		
10	64QAM	25	0	18.40	18.57	18.49	18.47	18.45		
10	64QAM	25	12	18.49	18.46	18.50	18.37	18.49	20.2	0
10	64QAM	25	25	18.42	18.50	18.43	18.48	18.45		
10	64QAM	50	0	18.53	18.52	18.53	18.49	18.40		
10	256QAM	1	0	18.15	18.13	18.11	18.05	18.04	19.7	0.5
10	256QAM	1	25	17.95	18.11	18.20	18.14	18.14		
10	256QAM	1	49	17.94	18.06	17.99	17.98	18.02		
10	256QAM	25	0	18.10	18.15	18.17	17.92	18.04	19.7	0.5
10	256QAM	25	12	18.15	17.98	18.06	17.95	18.01		
10	256QAM	25	25	18.00	18.02	18.09	17.90	17.93	19.7	0.5
10	256QAM	50	0	18.06	18.12	18.16	18.05	18.04		
Channel										
Frequency (MHz)				39675	40146	40620	41093	41565	19.7	0.5
				2596.5	2546.3	2593	2640.8	2692.5		
5	QPSK	12	0	18.62	18.69	18.74	18.58	18.58		
5	QPSK	1	12	18.56	18.59	18.67	18.50	18.61	20.2	0
5	QPSK	1	24	18.56	18.63	18.57	18.49	18.52		
5	QPSK	12	0	18.52	18.61	18.69	18.45	18.57		
5	QPSK	1	12	18.63	18.67	18.67	18.45	18.48	20.2	0
5	QPSK	12	13	18.59	18.57	18.53	18.50	18.51		
5	QPSK	25	0	18.51	18.57	18.62	18.56	18.52		
5	16QAM	1	0	18.67	18.69	18.61	18.57	18.52		
5	16QAM	1	12	18.46	18.56	18.45	18.45	18.46	20.2	0
5	16QAM	1	24	18.47	18.51	18.55	18.45	18.47		
5	16QAM	12	0	18.41	18.61	18.58	18.38	18.45		
5	16QAM	12	7	18.58	18.44	18.58	18.31	18.50	20.2	0
5	16QAM	12	13	18.47	18.48	18.48	18.49	18.54		
5	16QAM	25	0	18.46	18.48	18.48	18.35	18.38	20.2	0
5	64QAM	1	0	18.52	18.62	18.63	18.54	18.49		
5	64QAM	1	12	18.43	18.58	18.58	18.43	18.46	20.2	0
5	64QAM	1	24	18.41	18.54	18.49	18.44	18.56		
5	64QAM	12	7	18.63	18.47	18.58	18.35	18.48	20.2	0
5	64QAM	12	7	18.53	18.63	18.49	18.40	18.43		
5	256QAM	1	0	18.53	18.56	18.51	18.53	18.35		
5	256QAM	1	12	18.14	18.17	18.22	18.16	18.05	19.7	0.5
5	256QAM	1	12	17.95	18.05	18.13	18.13	18.13		
5	256QAM	1	24	17.96	18.15	18.09	17.99	18.04		
5	256QAM	12	0	18.02	18.20	18.20	17.96	18.04		
5	256QAM	12	7	18.08	17.88	18.19	17.95	18.07	19.7	0.5
5	256QAM	12	13	17.98	18.08	18.19	17.92	18.04		
5	256QAM	25	0	18.04	18.03	18.09	18.08	18.00		

		WCDMA II AmB DSI 5			WCDMA IV AmB DSI 5		
Band		WCDMA II			WCDMA IV		
TX Channel		6082	6400	6538	1312	1413	1513
RX Channel		6062	6000	6038	1337	1338	1728
Frequency (MHz)		1852.4	1860	1907.6	1722.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	20.99	21.15	21.01	22.30	20.29	20.43
3GPP Rel 99	RMC 12.2Kbps	21.16	21.18	21.07	22.30	20.44	20.44
3GPP Rel 6	HSPA Subtest-1	20.22	20.09	20.10	21.30	19.35	19.44
3GPP Rel 6	HSPA Subtest-2	20.09	20.20	20.00	21.30	19.47	19.49
3GPP Rel 6	HSPA Subtest-3	19.59	19.67	19.62	20.60	18.97	18.96
3GPP Rel 6	HSPA Subtest-4	19.63	19.67	19.60	20.60	18.94	18.93
3GPP Rel 8	DC-HSPA Subtest-1	20.13	20.16	20.12	21.30	19.45	19.50
3GPP Rel 8	DC-HSPA Subtest-2	20.07	20.14	20.11	21.30	19.51	19.44
3GPP Rel 8	DC-HSPA Subtest-3	19.46	19.73	19.63	20.60	18.79	19.04
3GPP Rel 8	DC-HSPA Subtest-4	19.63	19.56	19.48	20.60	18.92	18.91
3GPP Rel 6	HSPA Subtest-1	20.11	20.02	20.03	21.30	19.44	19.48
3GPP Rel 6	HSPA Subtest-2	18.21	18.11	18.08	19.30	17.45	17.50
3GPP Rel 6	HSPA Subtest-3	18.11	18.11	18.07	20.30	18.51	18.42
3GPP Rel 6	HSPA Subtest-4	18.21	18.20	18.07	19.30	17.54	17.59
3GPP Rel 6	HSPA Subtest-5	20.04	20.06	20.07	21.30	19.47	19.40
3GPP Rel 7	HSPA+ (MGM) Subtest-1	17.63	17.70	17.56	18.80	16.96	16.90

Band 2 Ant6 DSI 5												
RF [MHz]	Modula-tion	RF Sta-tion	RF Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time up [sec]	Time down [sec]	Time up [sec]	Time down [sec]	Time up [sec]	Time down [sec]
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.81	20.86	20.83						
20	QPSK	1	48	20.74	20.73	20.80	22.3	0				
20	QPSK	1	96	20.77	20.85	20.76						
20	QPSK	50	0	20.79	20.83	20.74						
20	QPSK	50	24	20.74	20.81	20.79	22.3	0				
20	QPSK	50	50	20.75	20.81	20.77						
20	QPSK	100	0	20.76	20.82	20.73						
20	QPSK	100	50	20.75	20.75	20.81	22.3	0				
20	QPSK	140	0	20.71	20.66	20.69	22.3	0				
20	QPSK	140	24	20.71	20.75	20.68						
20	QPSK	140	50	20.74	20.80	20.68						
20	QPSK	150	0	20.76	20.82	20.73						
20	QPSK	150	50	20.74	20.75	20.81	22.3	0				
20	QPSK	150	100	20.75	20.84	20.69						
20	QPSK	150	150	20.76	20.84	20.69						
20	QPSK	150	200	20.76	20.84	20.69						
20	QPSK	150	250	20.76	20.84	20.69						
20	QPSK	150	300	20.76	20.84	20.69						
20	QPSK	150	350	20.76	20.84	20.69						
20	QPSK	150	400	20.76	20.84	20.69						
20	QPSK	150	450	20.76	20.84	20.69						
20	QPSK	150	500	20.76	20.84	20.69						
20	QPSK	150	550	20.76	20.84	20.69						
20	QPSK	150	600	20.76	20.84	20.69						
20	QPSK	150	650	20.76	20.84	20.69						
20	QPSK	150	700	20.76	20.84	20.69						
20	QPSK	150	750	20.76	20.84	20.69						
20	QPSK	150	800	20.76	20.84	20.69						
20	QPSK	150	850	20.76	20.84	20.69						
20	QPSK	150	900	20.76	20.84	20.69						
20	QPSK	150	950	20.76	20.84	20.69						
20	QPSK	150	1000	20.76	20.84	20.69						
20	QPSK	150	1050	20.76	20.84	20.69						
20	QPSK	150	1100	20.76	20.84	20.69						
20	QPSK	150	1150	20.76	20.84	20.69						
20	QPSK	150	1200	20.76	20.84	20.69						
20	QPSK	150	1250	20.76	20.84	20.69						
20	QPSK	150	1300	20.76	20.84	20.69						
20	QPSK	150	1350	20.76	20.84	20.69						
20	QPSK	150	1400	20.76	20.84	20.69						
20	QPSK	150	1450	20.76	20.84	20.69						
20	QPSK	150	1500	20.76	20.84	20.69						
20	QPSK	150	1550	20.76	20.84	20.69						
20	QPSK	150	1600	20.76	20.84	20.69						
20	QPSK	150	1650	20.76	20.84	20.69						
20	QPSK	150	1700	20.76	20.84	20.69						
20	QPSK	150	1750	20.76	20.84	20.69						
20	QPSK	150	1800	20.76	20.84	20.69						
20	QPSK	150	1850	20.76	20.84	20.69						
20	QPSK	150	1900	20.76	20.84	20.69						
20	QPSK	150	1950	20.76	20.84	20.69						
20	QPSK	150	2000	20.76	20.84	20.69						
20	QPSK	150	2050	20.76	20.84	20.69						
20	QPSK	150	2100	20.76	20.84	20.69						
20	QPSK	150	2150	20.76	20.84	20.69						
20	QPSK	150	2200	20.76	20.84	20.69						
20	QPSK	150	2250	20.76	20.84	20.69						
20	QPSK	150	2300	20.76	20.84	20.69						
20	QPSK	150	2350	20.76	20.84	20.69						
20	QPSK	150	2400	20.76	20.84	20.69						
20	QPSK	150	2450	20.76	20.84	20.69						
20	QPSK	150	2500	20.76	20.84	20.69						
20	QPSK	150	2550	20.76	20.84	20.69						
20	QPSK	150	2600	20.76	20.84	20.69						
20	QPSK	150	2650	20.76	20.84	20.69						
20	QPSK	150	2700	20.76	20.84	20.69						
20	QPSK	150	2750	20.76	20.84	20.69						
20	QPSK	150	2800	20.76	20.84	20.69						
20	QPSK	150	2850	20.76	20.84	20.69						
20	QPSK	150	2900	20.76	20.84	20.69						
20	QPSK	150	2950	20.76	20.84	20.69						
20	QPSK	150	3000	20.76	20.84	20.69						
20	QPSK	150	3050	20.76	20.84	20.69						
20	QPSK	150	3100	20.76	20.84	20.69						
20	QPSK	150	3150	20.76	20.84	20.69						
20	QPSK	150	3200	20.76	20.84	20.69						
20	QPSK	150	3250	20.76	20.84	20.69						
20	QPSK	150	3300	20.76	20.84	20.69						
20	QPSK	150	3350	20.76	20.84	20.69						
20	QPSK	150	3400	20.76	20.84	20.69						
20	QPSK	150	3450	20.76	20.84	20.69						
20	QPSK	150	3500	20.76	20.84	20.69						
20	QPSK	150	3550	20.76	20.84	20.69						
20	QPSK	150	3600	20.76	20.84	20.69						
20	QPSK	150	3650	20.76	20.84	20.69						
20	QPSK	150	3700	20.76	20.84	20.69						
20	QPSK	150	3750	20.76	20.84	20.69						
20	QPSK	150	3800	20.76	20.84	20.69						
20	QPSK	150	3850	20.76	20.84	20.69						
20	QPSK	150	3900	20.76	20.84	20.69						
20	QPSK	150	3950	20.76	20.84	20.69						
20	QPSK	150	4000	20.76	20.84	20.69						
20	QPSK	150	4050	20.76	20.84	20.69						
20	QPSK	150	4100	20.76	20.84	20.69						
20	QPSK	150	4150	20.76	20.84	20.69						
20	QPSK	150	4200	20.76	20.84	20.69						
20	QPSK	150	4250	20.76	20.84	20.69						
20	QPSK	150	4300	20.76	20.84	20.69						
20	QPSK	150	4350	20.76	20.84	20.69						
20	QPSK	150	4400	20.76	20.84	20.69						
20	QPSK	150	4450	20.76	20.84	20.69						
20	QPSK	150	4500	20.76	20.84	20.69						
20	QPSK	150	4550	20.76	20.84	20.69						
20	QPSK	150	4600	20.76	20.84	20.69						
20	QPSK	150	4650	20.76	20.84	20.69						
20	QPSK	150	4700	20.76	20.84	20.69						
20	QPSK	150	4750	20.76	20.84	20.69						
20	QPSK	150	4800	20.76	20.84	20.69						
20	QPSK	150	4850	20.76	20.84	20.69						
20	QPSK	150	4900	20.76	20.84	20.69						
20	QPSK	150	4950	20.76	20.84	20.69						
20	QPSK	150	5000	20.76	20.84	20.69						
20	QPSK	150	5050	20.76	20.84	20.69						
20	QPSK	150	5100	20.76	20.84	20.69						
20	QPSK	150	5150	20.76	20.84	20.69						
20	QPSK	150	5200	20.76	20.84	20.69						
20	QPSK	150	5250	20.76	20.84	20.69						
20	QPSK	150	5300	20.76	20.84	20.69						
20	QPSK	150	5350	20.76	20.84	20.69						
20	QPSK	150	5400	20.76	20.84	20.69						
20	QPSK	150	5450	20.76	20.84	20.69						
20	QPSK	150	5500	20.76	20.84	20.69						
20	QPSK	150	5550	20.76	20.84	20.69						
20	QPSK	150	5600	20.76	20.84	20.69						
20	QPSK	150	5650	20.76	20.84	20.69						
20	QPSK	150	5700	20.76	20.84	20.69						
20	QPSK	150	5750	20.76	20.84	20.69						
20	QPSK	150	5800	20.76	20.84	20.69						
20	QPSK	150	5850	20.76	20.84	20.69						
20	QPSK	150	5900	20.76	20.84	20.69						
20	QPSK	150	5950	20.76	20.84	20.69						
20	QPSK	150	6000	20.76	20.84	20.69						

Band 66 Ant6 DSI 5										
RF (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Trans mit Power (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.05	18.12	18.15	19.6	0		
20	QPSK	1	40	17.97	17.98	18.01				
20	QPSK	1	96	17.97	18.02	17.99				
20	QPSK	50	0	17.99	18.15	18.00				
20	QPSK	50	24	17.99	18.07	18.02	19.6	0		
20	QPSK	50	50	17.99	18.01	18.06				
20	QPSK	100	0	18.03	18.08	18.03				
20	HQDM	1	0	18.06	17.99	17.98				
20	HQDM	1	40	17.88	17.92	17.92	19.6	0		
20	HQDM	1	96	17.83	17.93	17.93				
20	HQDM	50	0	17.93	17.97	17.93				
20	HQDM	50	24	17.88	18.04	17.95				
20	HQDM	50	50	17.92	17.96	18.00	19.6	0		
20	HQDM	100	0	17.95	18.00	17.95				
20	HQDM	1	0	18.04	18.04	18.07				
20	HQDM	1	40	17.91	17.96	17.91				
20	HQDM	1	96	17.93	17.89	17.94	19.1	0.5		
20	HQDM	50	0	17.87	17.99	17.89				
20	HQDM	50	24	17.91	17.98	17.95				
20	HQDM	50	50	17.47	17.49	17.53				
20	SSBQAM	100	0	17.51	17.55	17.54	19.1	0.5		
Channel										
Frequency (MHz)										
16	QPSK	1	0	17.95	17.95	17.95				
16	QPSK	1	37	18.06	18.06	18.08				
16	QPSK	1	74	17.93	17.92	17.87				
16	QPSK	36	0	17.93	18.01	17.88				
16	QPSK	36	20	17.89	18.00	17.94	19.6	0		
16	QPSK	36	36	17.87	17.96	17.93				
16	QPSK	75	0	17.94	17.94	17.97				
16	HQDM	1	0	17.93	17.87	17.88				
16	HQDM	1	37	17.75	17.79	17.83	19.6	0		
16	HQDM	1	74	17.75	17.86	17.86				
16	HQDM	36	0	17.89	17.88	17.89				
16	HQDM	36	20	17.77	18.00	17.85				
16	HQDM	36	36	17.88	17.92	17.96	19.6	0		
16	HQDM	75	0	17.92	17.92	17.89				
16	HQDM	1	0	18.01	18.02	17.98				
16	HQDM	1	37	17.78	17.83	17.78				
16	HQDM	1	74	17.83	17.82	17.82	19.6	0		
16	HQDM	36	0	17.78	17.96	17.78				
16	HQDM	36	20	17.87	17.97	17.93				
16	HQDM	36	36	17.85	17.92	17.92				
16	SSBQAM	75	0	17.79	17.91	17.84	19.6	0		
16	SSBQAM	1	0	17.46	17.44	17.58				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54	19.1	0.5		
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47	19.1	0.5		
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43	19.1	0.5		
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38	19.1	0.5		
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49	19.1	0.5		
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54	19.1	0.5		
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47	19.1	0.5		
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43	19.1	0.5		
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38	19.1	0.5		
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49	19.1	0.5		
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54	19.1	0.5		
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47	19.1	0.5		
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43	19.1	0.5		
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38	19.1	0.5		
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49	19.1	0.5		
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54	19.1	0.5		
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47	19.1	0.5		
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43				
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46	19.1	0.5		
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38				
16	SSBQAM	36	20	17.46	17.44	17.54				
16	SSBQAM	36	36	17.38	17.42	17.43	19.1	0.5		
16	SSBQAM	75	0	17.42	17.48	17.46				
16	SSBQAM	1	0	17.42	17.48	17.46				
16	SSBQAM	1	37	17.37	17.48	17.49				
16	SSBQAM	1	74	17.42	17.44	17.47				
16	SSBQAM	36	0	17.36	17.45	17.38	19.1	0.5		
16	SSBQAM	36	20	17.46	17.44	17.54				

Band 38 Ant6 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [kHz]	MPE [dB]		
Channel										
Frequency (MHz)				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	21.45	21.45	21.43				
20	QPSK	1	49	21.43	21.41	21.38	23	0		
20	QPSK	1	99	21.39	21.37	21.30				
20	QPSK	50	0	21.36	21.44	21.29				
20	QPSK	50	24	21.41	21.34	21.29				
20	QPSK	50	50	21.36	21.36	21.36	23	0		
20	QPSK	100	0	21.30	21.43	21.34				
20	16QAM	1	0	21.38	21.38	21.29				
20	16QAM	1	49	21.31	21.35	21.26	23	0		
20	16QAM	1	99	21.31	21.31	21.23				
20	16QAM	50	0	21.31	21.36	21.15				
20	16QAM	50	24	21.32	21.28	21.23	23	0		
20	16QAM	50	50	21.30	21.29	21.21				
20	16QAM	100	0	21.34	21.37	21.29				
20	64QAM	1	0	21.41	21.42	21.32				
20	64QAM	1	49	21.35	21.34	21.26	23	0		
20	64QAM	1	99	21.28	21.28	21.21				
20	64QAM	50	0	20.93	20.98	20.97				
20	64QAM	50	24	20.93	20.87	20.83	22.5	0.5		
20	64QAM	50	50	20.91	20.82	20.77				
20	64QAM	100	0	20.89	20.94	20.78				
20	256QAM	1	0	18.91	19.04	18.96				
20	256QAM	1	49	18.91	18.86	18.88	20.5	2.5		
20	256QAM	1	99	18.92	18.92	18.76				
20	256QAM	50	0	18.91	18.90	18.76				
20	256QAM	50	24	18.91	18.82	18.80	20.5	2.5		
20	256QAM	50	50	18.88	18.80	18.80				
20	256QAM	100	0	18.83	18.85	18.90				
Channel										
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	21.35	21.39	21.33				
15	QPSK	1	37	21.34	21.30	21.34	23	0		
15	QPSK	1	74	21.36	21.30	21.28				
15	QPSK	36	0	21.31	21.31	21.17				
15	QPSK	36	20	21.35	21.29	21.19	23	0		
15	QPSK	36	39	21.30	21.30	21.26				
15	QPSK	75	0	21.29	21.31	21.30				
15	16QAM	1	0	21.30	21.30	21.22				
15	16QAM	1	37	21.27	21.23	21.17	23	0		
15	16QAM	1	74	21.27	21.22	21.10				
15	16QAM	36	0	21.22	21.29	21.02				
15	16QAM	36	20	21.25	21.15	21.15	23	0		
15	16QAM	36	39	21.25	21.15	21.07				
15	16QAM	75	0	21.30	21.33	21.16				
15	64QAM	1	0	21.31	21.36	21.23				
15	64QAM	1	37	21.28	21.26	21.17	23	0		
15	64QAM	1	74	21.23	21.11	21.17				
15	64QAM	36	0	20.80	20.85	20.90				
15	64QAM	36	20	20.89	20.80	20.76	22.5	0.5		
15	64QAM	36	39	20.88	20.74	20.74				
15	64QAM	75	0	18.83	18.80	18.73				
15	256QAM	1	0	18.78	18.83	18.91				
15	256QAM	1	37	18.85	18.74	18.83	20.5	2.5		
15	256QAM	1	74	18.89	18.87	18.74				
15	256QAM	36	0	18.82	18.86	18.87				
15	256QAM	36	20	18.83	18.80	18.67	20.5	2.5		
15	256QAM	36	39	18.82	18.76	18.78				
15	256QAM	75	0	18.77	18.81	18.86				
Channel										
Frequency (MHz)				37800	38000	38200				
10	QPSK	1	0	21.38	21.45	21.31				
10	QPSK	1	25	21.40	21.29	21.34	23	0		
10	QPSK	1	49	21.27	21.28	21.28				
10	QPSK	25	0	21.24	21.38	21.24				
10	QPSK	25	12	21.33	21.30	21.17	23	0		
10	QPSK	25	25	21.32	21.28	21.24				
10	QPSK	50	0	21.27	21.39	21.22				
10	16QAM	1	0	21.28	21.32	21.18				
10	16QAM	1	25	21.24	21.24	21.16	23	0		
10	16QAM	49	0	21.23	21.22	21.15				
10	16QAM	25	0	21.18	21.28	21.05				
10	16QAM	25	12	21.30	21.26	21.11	23	0		
10	16QAM	25	25	21.24	21.18	21.19				
10	16QAM	50	0	21.23	21.30	21.23				
10	64QAM	1	0	21.35	21.33	21.24				
10	64QAM	1	25	21.29	21.26	21.20	23	0		
10	64QAM	1	49	21.17	21.10	21.07				
10	64QAM	25	0	20.85	20.86	20.92				
10	64QAM	25	12	20.82	20.83	20.74	22.5	0.5		
10	64QAM	25	25	20.77	20.78	20.68				
10	64QAM	50	0	20.76	20.82	20.73				
10	256QAM	1	0	18.80	18.83	18.89				
10	256QAM	1	25	18.85	18.82	18.79	20.5	2.5		
10	256QAM	1	49	18.89	18.84	18.73				
10	256QAM	25	0	18.84	18.76	18.63				
10	256QAM	25	12	18.87	18.75	18.77	20.5	2.5		
10	256QAM	25	25	18.84	18.73	18.66				
10	256QAM	50	0	18.79	18.87	18.82				
Channel										
Frequency (MHz)				3777.5	38000	38225				
5	QPSK	1	0	21.32	21.43	21.30				
5	QPSK	1	12	21.31	21.35	21.28	23	0		
5	QPSK	1	24	21.33	21.33	21.19				
5	QPSK	12	0	21.29	21.37	21.21				
5	QPSK	12	7	21.32	21.26	21.18	23	0		
5	QPSK	12	13	21.31	21.27	21.23				
5	QPSK	25	0	21.25	21.38	21.27				
5	16QAM	1	0	21.26	21.23	21.17	23	0		
5	16QAM	1	12	21.26	21.23	21.17				
5	16QAM	1	24	21.27	21.23	21.18				
5	16QAM	12	0	21.20	21.26	21.12	23	0		
5	16QAM	12	7	21.21	21.17	21.12				
5	16QAM	12	13	21.25	21.16	21.10				
5	16QAM	25	0	21.21	21.28	21.21				
5	64QAM	1	0	21.26	21.37	21.26				
5	64QAM	1	12	21.20	21.31	21.14	23	0		
5	64QAM	1	24	21.24	21.12	21.10				
5	64QAM	12	0	20.86	20.94	20.92				
5	64QAM	12	7	20.81	20.75	20.77	22.5	0.5		
5	64QAM	12	13	20.86	20.77	20.67				
5	256QAM	1	0	20.75	20.80	20.71				
5	256QAM	1	12	18.86	18.83	18.85				
5	256QAM	1	24	18.87	18.78	18.66	20.5	2.5		
5	256QAM	12	0	18.81	18.80	18.71				
5	256QAM	12	7	18.85	18.69	18.67	20.5	2.5		
5	256QAM	12	13	18.80	18.72	18.82				
5	256QAM	25	0	18.70	18.87	18.83				

Band 41 Ant6 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up [kHz]	MPE (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2590	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.50	21.45	21.52	21.47	21.45		
20	QPSK	1	49	21.39	21.44	21.48	21.37	21.45	23	0
20	QPSK	1	99	21.32	21.46	21.38	21.27	21.38		
20	QPSK	50	0	21.44	21.38	21.45	21.34	21.33		
20	QPSK	50	24	21.20	21.37	21.31	21.26	21.30		
20	QPSK	50	50	21.40	21.43	21.41	21.41	21.40	23	0
20	QPSK	100	0	21.37	21.35	21.40	21.37	21.38		
20	16QAM	1	0	21.29	21.41	21.34	21.34	21.23		
20	16QAM	1	49	21.30	21.27	21.34	21.25	21.26	23	0
20	16QAM	1	99	21.25	21.28	21.36	21.19	21.34		
20	16QAM	50	0	21.29	21.36	21.39	21.16	21.37		
20	16QAM	50	24	21.33	21.38	21.34	21.23	21.28		
20	16QAM	50	50	21.16	21.26	21.27	21.22	21.24	23	0
20	16QAM	100	0	21.27	21.40	21.38	21.33	21.32		
20	64QAM	1	0	21.35	21.40	21.40	21.39	21.36		
20	64QAM	1	49	21.34	21.37	21.37	21.37	21.31	23	0
20	64QAM	1	99	21.20	21.33	21.30	21.20	21.21		
20	64QAM	50	0	20.97	20.96	20.99	20.97	20.87		
20	64QAM	50	24	20.88	20.86	20.84	20.84	20.82	22.5	0.5
20	64QAM	50	50	20.79	20.67	20.87	20.80	20.75		
20	64QAM	100	0	20.98	20.97	20.92	20.92	20.88		
20	256QAM	1	0	18.97	18.93	19.06	18.98	19.00		
20	256QAM	1	49	18.85	18.93	18.94	18.94	18.89	20.5	2.5
20	256QAM	1	99	18.88	18.86	18.83	18.79	18.86		
20	256QAM	50	0	18.83	18.86	18.89	18.83	18.83		
20	256QAM	50	24	18.68	18.89	18.79	18.83	18.67	20.5	2.5
20	256QAM	50	50	18.72	18.80	18.84	18.96	18.75		
20	256QAM	100	0	18.98	18.96	19.00	18.87	18.96	20.5	2.5
Frequency (MHz)				2550.5	2554.3	2599	2603.8	2602.9	up	MPE (dB)
				2590.5	2594.3	2599	2603.8	2602.9	up	
15	QPSK	1	0	21.42	21.41	21.47	21.42	21.45		
15	QPSK	1	37	21.32	21.42	21.41	21.30	21.38	23	0
15	QPSK	1	74	21.26	21.45	21.27	21.17	21.27		
15	QPSK	36	0	21.33	21.33	21.39	21.34	21.39		
15	QPSK	36	20	21.16	21.28	21.29	21.26	21.24	23	0
15	QPSK	36	39	21.28	21.42	21.38	21.40	21.40		
15	QPSK	75	0	21.34	21.35	21.37	21.25	21.37		
15	16QAM	1	0	21.32	21.33	21.39	21.34	21.37		
15	16QAM	1	37	21.28	21.25	21.28	21.24	21.19	23	0
15	16QAM	1	74	21.23	21.21	21.34	21.31	21.21		
15	16QAM	36	0	21.24	21.28	21.39	21.18	21.36		
15	16QAM	36	20	21.26	21.29	21.29	21.26	21.22	23	0
15	16QAM	36	39	21.10	21.19	21.23	21.20	21.17		
15	16QAM	75	0	21.17	21.37	21.30	21.32	21.30		
15	64QAM	1	0	21.26	21.33	21.28	21.38	21.31		
15	64QAM	1	37	21.33	21.32	21.27	21.28	21.27		
15	64QAM	36	0	21.29	21.33	21.33	21.21	21.15	23	0
15	64QAM	36	0	20.87	20.86	20.93	20.88	20.78		
15	64QAM	36	20	20.77	20.84	20.86	20.82	20.71	22.5	0.5
15	64QAM	36	39	20.70	20.84	20.86	20.78	20.68		
15	64QAM	75	0	20.90	20.85	20.89	20.85	20.75	20.5	2.5
15	256QAM	1	0	18.85	18.83	19.01	18.88	19.00		
15	256QAM	1	37	18.74	18.89	18.89	18.87	18.79	20.5	2.5
15	256QAM	1	74	18.79	18.82	18.82	18.78	18.68		
15	256QAM	36	0	18.80	18.86	18.85	18.66	18.75		
15	256QAM	36	20	18.61	18.87	18.75	18.77	18.57	20.5	2.5
15	256QAM	36	39	18.61	18.87	18.75	18.84	18.73		
15	256QAM	75	0	18.89	18.87	19.00	18.87	18.84	20.5	2.5
Channel				39700	40160	40620	41086	41540	up	MPE (dB)
Frequency (MHz)				2587	2587	2588	2630	2680	up	
10	QPSK	1	0	21.45	21.44	21.49	21.38	21.45		
10	QPSK	1	25	21.34	21.34	21.45	21.33	21.35	23	0
10	QPSK	1	49	21.24	21.37	21.29	21.21	21.17		
10	QPSK	1	75	21.33	21.34	21.37	21.27	21.36		
10	QPSK	25	12	21.17	21.25	21.22	21.16	21.27		
10	QPSK	25	25	21.38	21.34	21.37	21.35	21.38		
10	QPSK	50	0	21.36	21.25	21.29	21.27	21.31		
10	16QAM	1	0	21.20	21.37	21.24	21.38	21.17		
10	16QAM	1	25	21.25	21.26	21.39	21.32	21.18	23	0
10	16QAM	1	49	21.16	21.21	21.30	21.13	21.25		
10	16QAM	25	0	21.23	21.30	21.39	21.17	21.36		
10	16QAM	25	12	21.32	21.38	21.30	21.14	21.26		
10	16QAM	25	25	21.32	21.31	21.35	21.25	21.17	23	0
10	16QAM	50	0	21.18	21.32	21.27	21.28	21.32		
10	64QAM	1	0	21.33	21.38	21.34	21.38	21.35		
10	64QAM	1	25	21.29	21.32	21.29	21.26	21.27	23	0
10	64QAM	1	49	21.16	21.25	21.35	21.12	21.16		
10	64QAM	25	0	20.92	20.95	20.99	20.86	20.81		
10	64QAM	25	12	20.83	20.91	20.84	20.82	20.74	22.5	0.5
10	64QAM	25	25	20.74	20.76	20.80	20.78	20.73		
10	64QAM	50	0	20.85	20.80	20.90	20.82	20.93		
10	256QAM	1	0	18.84	18.81	18.99	18.86	18.88		
10	256QAM	1	25	18.76	18.86	18.91	18.66	18.85	20.5	2.5
10	256QAM	1	49	18.82	18.79	18.89	18.75	18.76		
10	256QAM	25	0	18.78	18.84	18.86	18.77	18.76		
10	256QAM	25	12	18.66	18.84	18.75	18.82	18.64	20.5	2.5
10	256QAM	25	25	18.61	18.90	18.81	18.85	18.71		
10	256QAM	50	0	18.87	18.83	18.90	18.87	18.80		
Channel				39675	40163	40620	41098	41569	up	MPE (dB)
Frequency (MHz)				2583.5	2583.5	2584	2630.5	2680.5	up	
5	QPSK	1	0	21.43	21.37	21.45	21.42	21.46		
5	QPSK	1	12	21.29	21.37	21.43	21.27	21.42	23	0
5	QPSK	1	24	21.31	21.40	21.35	21.23	21.16		
5	QPSK	12	0	21.43	21.27	21.35	21.29	21.26		
5	QPSK	12	12	21.32	21.29	21.39	21.22	21.28		
5	QPSK	12	13	21.32	21.41	21.34	21.21	21.38		
5	QPSK	25	0	21.36	21.27	21.36	21.31	21.38		
5	16QAM	1	0	21.17	21.40	21.27	21.30	21.19		
5	16QAM	1	12	21.16	21.36	21.29	21.16	21.16	23	0
5	16QAM	1	24	21.19	21.28	21.28	21.17	21.25		
5	16QAM	12	0	21.27	21.32	21.31	21.10	21.24		
5	16QAM	12	7	21.32	21.31	21.28	21.18	21.32		
5	16QAM	12	13	21.17	21.23	21.18	21.14	21.23	23	0
5	16QAM	12	25	21.27	21.32	21.35	21.25	21.31		
5	64QAM	1	0	21.28	21.32	21.38	21.32	21.34		
5	64QAM	1	12	21.30	21.27	21.31	21.25	21.23	23	0
5	64QAM	1	24	21.09	21.24	21.23	21.13	21.21		
5	64QAM	12	0	21.20	21.30	21.29	21.06	21.16		
5	64QAM	12	7	20.87	20.92	20.83	20.80	20.73	22.5	0.5
5	64QAM	12	13	20.79	20.81	20.77	20.75	20.74		
5	64QAM	25	0	20.85	20.82	20.93	20.77	20.97		
5	256QAM	1	0	18.86	18.85	18.95	18.82	18.86		
5	256QAM	1	12	18.80	18.91	18.99	18.82	18.85	20.5	2.5
5	256QAM	1	24	18.80	18.88	18.83	18.76	18.86		
5	256QAM	12	0	18.79	18.89	18.86	18.70	18.73		
5	256QAM	12	7	18.64	18.77	18.71	18.76	18.65	20.5	2.5
5	256QAM	12	13	18.72	18.82	18.79	18.68	18.84		
5	256QAM	25	0	18.89	18.89	18.97	18.85	18.82		

		WCDMA II Ant7 DSI 5			WCDMA IV Ant7 DSI 5		
Band		WCDMA II			WCDMA IV		
TX Channel		9052	9400	9538	1312	1413	1513
Rx Channel		8962	8900	8968	1337	1338	1728
Frequency (MHz)		1852.4	1860	1907.6	1712.4	1732.6	1752.6
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.91	21.30	19.44	19.38
3GPP Rel 99	AMR 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.42
3GPP Rel 6	HSDPA Subtest-1	18.93	18.86	20.30	18.50	18.58	18.50
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.55
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.88	18.04
3GPP Rel 6	HSDPA Subtest-4	18.35	18.54	18.43	19.80	18.04	18.17
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.82	18.04
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	17.89	17.92
3GPP Rel 6	HSUPA Subtest-1	18.87	18.86	18.88	20.30	18.53	18.60
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.66	17.58
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54
3GPP Rel 7	HSPA+ (12QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09

[illegible]

Band 66 Ant7 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power High Ch / Freq.	Time-to-Acquire (sec)	MPR (dB)	
Channel 130070 130072 130072									
Frequency (MHz)									
20	QPSK	1	0	17.13	17.10	17.11			
20	QPSK	1	49	17.00	17.11	16.99	18.6	0	
20	QPSK	1	99	17.11	17.08	17.01			
20	QPSK	50	0	17.03	17.13	16.97			
20	QPSK	50	24	17.03	17.11	17.00	18.6	0	
20	QPSK	50	50	17.07	17.04	17.08			
20	QPSK	100	0	17.00	17.12	16.97			
20	16QAM	1	0	17.08	17.10	17.07			
20	16QAM	1	49	16.94	17.03	16.93	18.6	0	
20	16QAM	1	99	17.08	16.92	16.97			
20	16QAM	50	0	16.92	17.09	16.94			
20	16QAM	50	24	17.01	17.07	16.92	18.6	0	
20	16QAM	50	50	17.02	16.97	16.97			
20	16QAM	100	0	16.95	17.09	16.94			
20	16QAM	1	0	17.02	17.06	17.05			
20	16QAM	1	49	16.98	17.04	16.97	18.6	0	
20	16QAM	1	99	17.08	16.94	16.99			
20	16QAM	50	0	16.93	17.06	16.91			
20	16QAM	50	24	16.97	17.02	16.92	18.6	0	
20	16QAM	50	50	16.95	16.99	17.04			
20	16QAM	100	0	16.94	17.04	16.83			
20	256QAM	1	0	15.44	15.67	15.62			
20	256QAM	1	49	15.47	15.57	15.53	17.1	1.5	
20	256QAM	1	99	15.55	15.52	15.47			
20	256QAM	30	0	15.53	15.63	15.42			
20	256QAM	50	24	15.58	15.52	15.49	17.1	1.5	
20	256QAM	50	50	15.58	15.48	15.57			
20	256QAM	100	0	15.54	15.62	15.46			
Channel 130047 130022 130002									
Frequency (MHz)									
18	QPSK	1	0	17.03	17.03	17.07			
18	QPSK	1	37	16.93	17.01	16.96	18.6	0	
18	QPSK	1	74	16.99	16.92	16.94			
18	QPSK	36	0	16.89	17.06	16.87			
18	QPSK	36	30	16.97	17.05	16.96	18.6	0	
18	QPSK	36	99	17.03	16.95	16.94			
18	16QAM	75	0	16.86	17.02	16.87			
18	16QAM	1	0	17.00	17.05	17.00			
18	16QAM	1	37	16.91	16.99	16.85	18.6	0	
18	16QAM	1	74	16.99	16.84	16.95			
18	16QAM	36	0	16.82	17.04	16.83			
18	16QAM	36	30	16.92	17.02	16.81	18.6	0	
18	16QAM	36	99	16.92	16.86	16.82			
18	16QAM	75	0	16.93	17.01	16.90			
18	16QAM	1	0	16.93	16.98	16.92	18.6	0	
18	16QAM	1	37	16.87	17.02	16.83			
18	16QAM	1	74	17.02	16.97	16.98			
18	16QAM	36	0	16.89	16.95	16.78	18.6	0	
18	16QAM	36	30	16.95	16.89	16.87			
18	16QAM	36	99	16.96	16.95	17.00			
18	16QAM	75	0	16.82	16.95	16.72			
18	256QAM	1	0	15.51	15.61	15.55			
18	256QAM	1	37	15.40	15.52	15.48	17.1	1.5	
18	256QAM	1	74	15.48	15.49	15.44			
18	256QAM	30	0	15.46	15.49	15.31			
18	256QAM	36	30	15.51	15.59	15.35	17.1	1.5	
18	256QAM	36	99	15.45	15.38	15.54			
18	256QAM	75	0	15.51	15.53	15.33			
Channel 130022 130002 130002									
Frequency (MHz)									
10	QPSK	1	0	17.07	17.10	17.09			
10	QPSK	1	25	16.96	17.02	16.87	18.6	0	
10	QPSK	1	49	17.07	16.91	16.96			
10	QPSK	25	0	16.96	17.08	16.94			
10	QPSK	25	12	16.96	17.02	16.95	18.6	0	
10	QPSK	25	25	17.04	16.87	17.04			
10	QPSK	40	0	16.94	17.02	16.93			
10	16QAM	1	0	16.94	17.02	16.95			
10	16QAM	1	25	16.84	17.01	16.89	18.6	0	
10	16QAM	1	49	16.96	16.84	16.93			
10	16QAM	25	0	16.85	16.97	16.85			
10	16QAM	25	12	16.91	17.04	16.80	18.6	0	
10	16QAM	25	16	16.94	16.81	16.85			
10	16QAM	50	0	16.84	17.01	16.86			
10	16QAM	1	0	16.95	17.01	17.02	18.6	0	
10	16QAM	1	45	16.94	17.01	16.83			
10	16QAM	1	49	16.95	16.85	16.94			
10	16QAM	25	0	16.90	17.03	16.80	18.6	0	
10	16QAM	25	12	16.87	16.93	16.83			
10	16QAM	25	25	16.81	16.96	16.96			
10	16QAM	50	0	16.87	16.92	16.89			
10	256QAM	1	0	15.50	15.55	15.56			
10	256QAM	1	25	15.43	15.45	15.48	17.1	1.5	
10	256QAM	1	49	15.52	15.45	15.42			
10	256QAM	25	0	15.51	15.57	15.35			
10	256QAM	25	12	15.49	15.57	15.45	17.1	1.5	
10	256QAM	25	25	15.44	15.41	15.50			
10	256QAM	50	0	15.43	15.52	15.35			
Channel 130007 130002 130007									
Frequency (MHz)									
5	QPSK	1	0	17.09	17.14	17.07			
5	QPSK	1	12	16.98	17.08	16.97	18.6	0	
5	QPSK	1	24	17.05	16.94	16.96			
5	QPSK	12	0	16.97	17.04	16.81			
5	QPSK	12	7	16.93	17.02	16.90	18.6	0	
5	QPSK	12	13	16.99	16.95	17.01			
5	QPSK	25	0	16.93	17.03	16.86			
5	16QAM	1	0	17.02	17.02	16.98			
5	16QAM	1	12	16.86	17.00	16.88	18.6	0	
5	16QAM	1	24	16.95	16.85	16.88			
5	16QAM	12	0	16.83	16.97	16.82			
5	16QAM	12	7	16.96	16.93	16.87	18.6	0	
5	16QAM	12	13	16.93	16.92	16.90			
5	16QAM	25	0	16.83	17.08	16.88			
5	16QAM	1	0	16.90	16.95	16.96	18.6	0	
5	16QAM	1	12	16.90	16.87	16.94			
5	16QAM	1	24	16.97	16.81	16.89			
5	16QAM	12	0	16.89	16.95	16.89			
5	16QAM	12	7	16.95	16.84	16.87	18.6	0	
5	16QAM	12	13	16.89	16.94	16.95			
5	16QAM	25	0	16.82	16.92	16.71			
5	256QAM	1	0	15.57	15.57	15.58			
5	256QAM	1	12	15.36	15.53	15.33	17.1	1.5	
5	256QAM	1	24	15.51	15.45	15.42			
5	256QAM	12	0	15.39	15.53	15.33	18.6	0	
5	256QAM	12	7	15.53	15.51	15.36			
5	256QAM	12	13	15.45	15.36	15.50	17.1	1.5	
5	256QAM	25	0	15.45	15.50	15.49			
Channel 130007 130002 130007									
Frequency (MHz)									
3	QPSK	1	0	16.99	17.14	17.02			
3	QPSK	1	8	16.87	17.02	16.87	18.6	0	
3	QPSK	1	14	17.05	17.02	16.93			
3	QPSK	8	0	16.89	17.08	16.84			
3	QPSK	8	4	16.94	17.08	16.95	18.6	0	
3	QPSK	8	7	16.88	16.95	17.00			
3	QPSK	15	0	16.94	17.01	16.88			
3	16QAM	1	0	16.98	16.97	16.96			
3	16QAM	1	8	16.84	16.95	16.82	18.6	0	
3	16QAM	1	14	16.99	16.79	16.93			
3	16QAM	8	0	16.84	16.97	16.82			
3	16QAM	8	4	16.95	16.95	16.89	18.6	0	
3	16QAM	8	7	16.98	16.80	16.94			
3	16QAM	15	0	16.92	16.98	16.91			
3	16QAM	1	0	16.93	16.96	16.87	18.6	0	
3	16QAM	1	8	16.95	16.82	16.93			
3	16QAM	1	14	17.00	16.90	16.90			
3	16QAM	8	0	16.87	16.99	16.87			
3	16QAM	8	4	16.86	16.85	16.79	18.6	0	
3	16QAM	8	7	16.81	16.89	16.98			
3	16QAM	15	0	16.82	16.92	16.79			
3	256QAM	1	0	15.53	15.61	15.56			
3	256QAM	1	8	15.44	15.47	15.41	17.1	1.5	
3	256QAM	1	14	15.53	15.47	15.34			
3	256QAM	8	0	15.48	15.55	15.34			
3	256QAM	8	4	15.45	15.50	15.41	17.1	1.5	
3	256QAM	8	7	15.44	15.37	15.53			
3	256QAM	15	0	15.49	15.52	15.37			
Channel 130079 130022 130005									
Frequency (MHz)									
1.4	QPSK	1	0	17.04	17.02	16.97			
1.4	QPSK	1	5	16.97	16.95	16.96	18.6	0	
1.4	QPSK	1	10	17.01	16.99	16.98			
1.4	QPSK	3	0	17.01	17.00	16.98			
1.4	QPSK	3	3	16.96	16.95	16.96	18.6	0	
1.4	QPSK	6	0	16.94	17.04	16.93			
1.4	QPSK	6	3	16.97	17.02	16.96			
1.4	16QAM	1	0	16.96	16.84	16.85	18.6	0	
1.4	16QAM	1	5	17.01	16.94	16.98			
1.4	16QAM	1	10	16.99	17.04	16.95			
1.4	16QAM	3	0	16.99	17.04	16.95			
1.4	16QAM	3	3	16.91	16.92	16.92	18.6	0	
1.4	16QAM	3	6	16.94	16.93	16.97			
1.4	16QAM	6	0	16.92	16.95	16.78			
1.4	16QAM	6	3	16.95	16.89	16.91	18.6	0	
1.4	16QAM	6	6	16.92	16.90	16.93</			

Band 38 Ant7 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up (mW)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	0	19.61	19.65	19.58	21.3	0		
20	QPSK	1	49	19.58	19.59	19.44				
20	QPSK	1	99	19.54	19.53	19.47				
20	QPSK	50	0	19.50	19.62	19.47				
20	QPSK	50	24	19.50	19.59	19.49				
20	QPSK	50	50	19.58	19.55	19.51	21.3	0		
20	QPSK	100	0	19.52	19.58	19.53				
20	16QAM	1	0	19.51	19.55	19.52				
20	16QAM	1	49	19.48	19.50	19.38				
20	16QAM	1	99	19.48	19.41	19.34				
20	16QAM	50	0	19.45	19.52	19.37	21.3	0		
20	16QAM	50	24	19.41	19.48	19.41				
20	16QAM	50	50	19.55	19.52	19.43				
20	16QAM	100	0	19.39	19.54	19.44				
20	64QAM	1	0	19.52	19.51	19.48	21.3	0		
20	64QAM	1	49	19.50	19.53	19.35				
20	64QAM	1	99	19.47	19.41	19.36				
20	64QAM	50	0	18.60	18.67	18.56				
20	64QAM	50	24	18.53	18.56	18.46				
20	64QAM	50	50	18.54	18.56	18.51	20.3	1		
20	64QAM	100	0	18.47	18.63	18.51				
20	256QAM	1	0	16.62	16.70	16.64				
20	256QAM	1	49	16.61	16.57	16.38				
20	256QAM	1	99	16.52	16.58	16.44				
20	256QAM	50	0	16.51	16.56	16.57	18.3	3		
20	256QAM	50	24	16.55	16.59	16.44				
20	256QAM	50	50	16.54	16.56	16.57				
20	256QAM	100	0	16.50	16.53	16.52				
Channel				37825	38000	38175	Turn-up (mW)	MPR (dB)		
15	QPSK	1	0	19.57	19.58	19.55	21.3	0		
15	QPSK	1	37	19.60	19.52	19.46				
15	QPSK	1	74	19.52	19.46	19.46				
15	QPSK	36	0	19.43	19.63	19.48				
15	QPSK	36	20	19.44	19.62	19.46				
15	QPSK	36	39	19.53	19.58	19.54	21.3	0		
15	QPSK	75	0	19.47	19.61	19.45				
15	16QAM	1	0	19.52	19.51	19.53				
15	16QAM	1	37	19.48	19.47	19.33				
15	16QAM	1	74	19.49	19.42	19.37				
15	16QAM	36	0	19.43	19.53	19.30	21.3	0		
15	16QAM	36	20	19.33	19.41	19.36				
15	16QAM	36	39	19.47	19.55	19.45				
15	16QAM	75	0	19.38	19.51	19.47				
15	64QAM	1	0	19.52	19.45	19.43	21.3	0		
15	64QAM	1	37	19.46	19.55	19.38				
15	64QAM	1	74	19.46	19.36	19.37				
15	64QAM	36	0	18.63	18.70	18.49				
15	64QAM	36	20	18.52	18.51	18.44				
15	64QAM	36	39	18.50	18.52	18.51	20.3	1		
15	64QAM	75	0	18.41	18.66	18.51				
15	256QAM	1	0	16.64	16.64	16.61				
15	256QAM	1	37	16.61	16.56	16.30				
15	256QAM	1	74	16.45	16.56	16.45				
15	256QAM	36	0	16.51	16.63	16.46	18.3	3		
15	256QAM	36	20	16.52	16.58	16.39				
15	256QAM	36	39	16.54	16.49	16.55				
15	256QAM	75	0	16.45	16.55	16.47				
Channel				37800	38000	38200	Turn-up (mW)	MPR (dB)		
10	QPSK	1	0	19.59	19.61	19.58	21.3	0		
10	QPSK	1	25	19.61	19.64	19.47				
10	QPSK	1	49	19.58	19.46	19.40				
10	QPSK	25	0	19.52	19.60	19.41				
10	QPSK	25	12	19.50	19.60	19.48				
10	QPSK	50	0	19.54	19.59	19.53	21.3	0		
10	16QAM	1	0	19.55	19.53	19.45				
10	16QAM	1	25	19.45	19.45	19.34				
10	16QAM	1	49	19.43	19.38	19.37				
10	16QAM	25	0	19.42	19.53	19.38				
10	16QAM	25	12	19.41	19.52	19.35	21.3	0		
10	16QAM	25	25	19.52	19.47	19.44				
10	16QAM	50	0	19.37	19.47	19.38				
10	64QAM	1	0	19.45	19.45	19.47				
10	64QAM	1	25	19.48	19.57	19.38	21.3	0		
10	64QAM	1	49	19.40	19.42	19.38				
10	64QAM	25	0	18.64	18.62	18.57				
10	64QAM	25	12	18.47	18.54	18.39				
10	64QAM	25	25	18.52	18.52	18.48				
10	64QAM	50	0	18.45	18.59	18.51	20.3	1		
10	256QAM	1	0	16.54	16.62	16.67				
10	256QAM	1	25	16.54	16.58	16.38				
10	256QAM	1	49	16.55	16.56	16.44				
10	256QAM	25	0	16.44	16.66	16.49				
10	256QAM	25	12	16.51	16.63	16.41	18.3	3		
10	256QAM	25	25	16.56	16.49	16.56				
10	256QAM	50	0	16.51	16.47	16.50				
Channel				37775	38000	38225			Turn-up (mW)	MPR (dB)
5	QPSK	1	0	19.61	19.62	19.53	21.3	0		
5	QPSK	1	12	19.62	19.57	19.42				
5	QPSK	1	24	19.48	19.50	19.46				
5	QPSK	12	0	19.54	19.62	19.43				
5	QPSK	12	7	19.40	19.60	19.43				
5	QPSK	12	13	19.57	19.56	19.47	21.3	0		
5	QPSK	25	0	19.44	19.53	19.47				
5	16QAM	1	0	19.52	19.56	19.54				
5	16QAM	1	12	19.41	19.46	19.31				
5	16QAM	1	24	19.42	19.38	19.30				
5	16QAM	12	0	19.45	19.49	19.33	21.3	0		
5	16QAM	12	7	19.42	19.41	19.39				
5	16QAM	12	13	19.49	19.55	19.43				
5	16QAM	25	0	19.32	19.57	19.39				
5	64QAM	1	0	19.45	19.46	19.49	21.3	0		
5	64QAM	1	12	19.45	19.52	19.32				
5	64QAM	1	24	19.40	19.42	19.31				
5	64QAM	12	7	18.51	18.55	18.50				
5	64QAM	12	13	18.47	18.51	18.41				
5	64QAM	25	0	18.42	18.55	18.55	20.3	1		
5	256QAM	1	0	16.58	16.69	16.58				
5	256QAM	1	12	16.63	16.52	16.32				
5	256QAM	1	24	16.48	16.52	16.45				
5	256QAM	12	0	16.54	16.66	16.49				
5	256QAM	12	7	16.50	16.57	16.38	18.3	3		
5	256QAM	12	13	16.55	16.46	16.53				
5	256QAM	25	0	16.49	16.50	16.44				

Band 42 Ant10 DSI5										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up time [dBm]	MPR (dB)		
Channel				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	23.92	24.08	23.97		25	0	
20	QPSK	1	49	23.95	24.07	23.98				
20	QPSK	50	0	23.95	24.07	24.01		25	0	
20	QPSK	50	24	23.90	24.06	24.00				
20	QPSK	50	50	23.86	24.03	23.95				
20	QPSK	100	0	23.94	24.07	23.99				
20	16QAM	1	0	23.92	24.03	23.95		25	0	
20	16QAM	1	49	23.89	24.02	23.92				
20	16QAM	1	99	23.87	24.03	23.98				
20	16QAM	50	0	22.95	23.07	22.91				
20	16QAM	50	24	22.98	23.04	22.98		24	1	
20	16QAM	50	50	22.94	23.08	23.01				
20	16QAM	100	0	22.86	23.05	22.96				
20	84QAM	1	0	22.89	23.04	22.91				
20	84QAM	1	49	22.87	22.97	23.03		24	1	
20	84QAM	1	99	22.89	23.01	22.93				
20	84QAM	50	0	21.96	22.08	21.97				
20	84QAM	50	24	21.97	22.02	21.92				
20	84QAM	50	50	21.90	22.05	21.92		23	2	
20	84QAM	100	0	21.97	22.00	21.92				
20	256QAM	1	0	19.90	19.99	19.96				
20	256QAM	1	49	19.87	19.98	20.02		21	4	
20	256QAM	1	99	19.95	20.04	20.00				
20	256QAM	50	0	19.95	19.97	19.93				
20	256QAM	50	24	19.94	20.08	19.94				
20	256QAM	50	50	19.88	20.01	19.95		21	4	
20	256QAM	100	0	19.93	20.04	19.96				
Channel				43150	43590	43990	↑↑↑↑ up time			MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	23.86	23.87	23.82		25		0
15	QPSK	1	37	23.81	24.01	23.91				
15	QPSK	1	74	23.80	23.86	23.92		25	0	
15	QPSK	36	0	23.90	23.94	23.98				
15	QPSK	36	20	23.80	23.92	23.88				
15	QPSK	36	39	23.78	23.93	23.80				
15	16QAM	75	0	23.83	23.92	23.95		25	0	
15	16QAM	1	0	23.84	23.96	23.95				
15	16QAM	1	37	23.78	23.93	23.87				
15	16QAM	1	74	23.73	23.98	23.83				
15	16QAM	36	0	22.80	22.91	22.80		24	1	
15	16QAM	36	20	22.90	22.92	22.87				
15	16QAM	36	39	22.85	22.95	22.93				
15	16QAM	75	0	22.80	22.90	22.92				
15	84QAM	1	0	22.78	22.99	22.85		24	1	
15	84QAM	1	37	22.75	22.90	22.97				
15	84QAM	1	74	22.75	22.90	22.87				
15	84QAM	36	0	21.84	22.00	21.83				
15	84QAM	36	20	21.77	21.97	21.81		23	2	
15	84QAM	36	39	21.86	21.96	21.86				
15	84QAM	75	0	21.83	21.96	21.85				
15	256QAM	1	0	19.74	19.86	19.84				
15	256QAM	1	37	19.71	19.83	19.93		21	4	
15	256QAM	1	74	19.87	19.97	19.93				
15	256QAM	36	0	19.89	19.90	19.88				
15	256QAM	36	20	19.87	20.02	19.84				
15	256QAM	36	39	19.76	19.90	19.80		21	4	
15	256QAM	75	0	19.80	19.93	19.90				
Channel				42140	42590	43040	↑↑↑↑ up time	MPR (dB)		
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	23.82	23.97	23.87		25	0	
10	QPSK	1	25	23.83	23.97	23.89				
10	QPSK	1	49	23.86	23.87	23.95		25	0	
10	QPSK	25	0	23.83	23.95	23.97				
10	QPSK	25	12	23.82	23.93	23.94				
10	QPSK	25	25	23.75	23.90	23.88				
10	QPSK	50	0	23.84	23.95	23.94		25	0	
10	16QAM	1	0	23.81	23.90	23.80				
10	16QAM	1	25	23.84	23.98	23.87				
10	16QAM	1	49	23.83	23.88	23.86				
10	16QAM	25	0	22.83	22.94	22.81		24	1	
10	16QAM	25	12	22.94	22.89	22.87				
10	16QAM	25	25	22.89	22.94	22.86				
10	16QAM	50	0	22.80	22.86	22.84				
10	84QAM	1	0	22.74	22.89	22.80		24	1	
10	84QAM	1	25	22.71	22.88	22.89				
10	84QAM	1	49	22.77	22.89	22.86				
10	84QAM	25	0	21.81	21.93	21.90				
10	84QAM	25	12	21.81	21.93	21.84		23	2	
10	84QAM	25	25	21.75	22.00	21.77				
10	84QAM	50	0	21.83	21.88	21.81				
10	256QAM	1	0	19.77	19.91	19.87				
10	256QAM	1	25	19.76	19.87	19.94		21	4	
10	256QAM	1	49	19.87	19.93	19.91				
10	256QAM	25	0	19.87	19.93	19.82				
10	256QAM	25	12	19.89	19.99	19.87				
10	256QAM	25	25	19.90	19.93	19.89		21	4	
10	256QAM	50	0	19.77	19.91	19.83				
Channel				42115	42590	43065	↑↑↑↑ up time	MPR (dB)		
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	23.76	23.86	23.81		25	0	
5	QPSK	1	12	23.80	23.97	23.82				
5	QPSK	1	24	23.92	23.92	23.95		25	0	
5	QPSK	12	0	23.87	23.98	23.95				
5	QPSK	12	7	23.82	24.01	23.92				
5	QPSK	12	13	23.79	23.93	23.90				
5	QPSK	25	0	23.87	23.93	23.92		25	0	
5	16QAM	1	0	23.81	23.94	23.90				
5	16QAM	1	12	23.79	23.96	23.77				
5	16QAM	1	24	23.83	23.97	23.91				
5	16QAM	12	0	22.88	22.85	22.78		24	1	
5	16QAM	12	7	22.89	22.98	22.85				
5	16QAM	12	13	22.86	23.03	22.93				
5	16QAM	25	0	22.73	22.91	22.89				
5	84QAM	1	0	22.73	22.86	22.95		24	1	
5	84QAM	1	12	22.73	22.86	22.95				
5	84QAM	1	24	22.80	22.89	22.88				
5	84QAM	12	0	21.91	22.00	21.79				
5	84QAM	12	7	21.82	21.88	21.79		23	2	
5	84QAM	12	13	21.77	21.94	21.86				
5	84QAM	25	0	21.83	21.94	21.77				
5	256QAM	1	0	19.79	19.89	19.81				
5	256QAM	1	12	19.81	19.86	19.96		21	4	
5	256QAM	1	24	19.92	19.98	19.90				
5	256QAM	12	0	19.79	19.83	19.87				
5	256QAM	12	7	19.79	19.94	19.87				
5	256QAM	12	13	19.80	19.86	19.80		21	4	
5	256QAM	25	0	19.77	19.93	19.90				

Band 48 Ant10 DSI5										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Mid. Ch. / Freq.	Power High Mid. Ch. / Freq.	Power High Ch. / Freq.	Tune- up Time [ms]	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency [MHz]				3590	3609	3641	3690			
20	QPSK	1	0	23.29	23.57	23.31	23.36		25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36			
20	QPSK	1	99	23.48	23.47	23.39	23.40			
20	QPSK	50	0	22.48	22.61	22.50	22.47			
20	QPSK	50	24	22.47	22.51	22.49	22.54		24	1
20	QPSK	50	50	22.33	22.59	22.45	22.48			
20	QPSK	100	0	22.32	22.57	22.38	22.51			
20	16QAM	1	0	22.43	22.56	22.40	22.47			
20	16QAM	1	49	22.52	22.55	22.55	22.52		24	1
20	16QAM	1	99	22.44	22.52	22.42	22.52			
20	16QAM	50	24	21.40	21.59	21.42	21.40			
20	16QAM	50	50	21.42	21.49	21.48	21.41			
20	16QAM	100	0	21.42	21.49	21.38	21.45		23	
20	16QAM	1	0	21.41	21.54	21.41	21.51			
20	16QAM	1	99	21.37	21.56	21.39	21.42			
20	16QAM	50	0	20.35	20.53	20.39	20.47			
20	16QAM	50	24	20.38	20.60	20.39	20.50		22	3
20	16QAM	50	50	20.48	20.66	20.47	20.55			
20	16QAM	100	0	20.46	20.65	20.43	20.41			
20	256QAM	1	0	18.37	18.52	18.51	18.36			
20	256QAM	1	49	18.47	18.55	18.52	18.46		20	5
20	256QAM	1	99	18.49	18.47	18.41	18.39			
20	256QAM	50	24	18.51	18.48	18.48	18.40			
20	256QAM	50	24	18.42	18.55	18.46	18.39			
20	256QAM	50	50	18.52	18.59	18.49	18.48		20	5
20	256QAM	100	0	18.43	18.51	18.48	18.51			
20	256QAM	1	99	18.51	18.55	18.55	18.51			
20	256QAM	1	49	18.57	18.59	18.42	18.62			
Frequency [MHz]				3657.5	3699	3642	3692.5	1000 ms	MPR (dB)	
15	QPSK	1	0	23.21	23.48	23.22	23.22		25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26			
15	QPSK	1	74	23.40	23.35	23.33	23.25			
15	QPSK	36	0	22.30	22.30	22.30	22.30			
15	QPSK	36	20	22.32	22.41	22.35	22.40		24	1
15	QPSK	36	39	22.23	22.44	22.34	22.38			
15	QPSK	75	0	22.18	22.42	22.30	22.38			
15	16QAM	1	0	22.24	22.42	22.30	22.35			
15	16QAM	1	37	22.44	22.48	22.42	22.40		24	1
15	16QAM	1	74	22.31	22.38	22.35	22.38			
15	16QAM	36	0	21.35	21.54	21.38	21.35			
15	16QAM	36	20	21.47	21.45	21.47	21.46			
15	16QAM	36	39	21.27	21.40	21.41	21.31		23	2
15	16QAM	75	0	21.37	21.53	21.26	21.40			
15	16QAM	1	0	21.37	21.46	21.34	21.39			
15	16QAM	1	37	21.28	21.37	21.26	21.31			
15	16QAM	1	74	21.23	21.37	21.26	21.31		23	2
15	16QAM	36	0	20.29	20.37	20.29	20.33			
15	16QAM	36	20	20.32	20.55	20.33	20.37			
15	16QAM	36	39	20.42	20.51	20.38	20.32			
15	256QAM	1	0	20.37	20.47	20.37	20.38		22	3
15	256QAM	1	0	18.30	18.48	18.38	18.27			
15	256QAM	1	37	18.31	18.46	18.41	18.36			
15	256QAM	1	74	18.35	18.38	18.36	18.24			
15	256QAM	36	18	18.38	18.41	18.40	18.45		20	5
15	256QAM	36	39	18.30	18.41	18.38	18.21			
15	256QAM	36	39	18.30	18.50	18.44	18.33			
15	256QAM	75	0	18.31	18.45	18.38	18.35			
Channel				55590	55816	56185	56690	1000 ms	MPR (dB)	
10	QPSK	1	0	23.23	23.44	23.15	23.25		25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22			
10	QPSK	1	49	23.41	23.34	23.31	23.27			
10	QPSK	25	0	22.37	22.37	22.37	22.42			
10	QPSK	25	12	22.37	22.39	22.35	22.40		24	1
10	QPSK	25	25	22.23	22.49	22.37	22.38			
10	QPSK	50	0	22.22	22.41	22.25	22.32			
10	16QAM	1	0	22.24	22.44	22.25	22.32			
10	16QAM	1	49	22.35	22.45	22.35	22.40		24	1
10	16QAM	25	0	21.30	21.52	21.30	21.36			
10	16QAM	25	12	21.36	21.47	21.31	21.49			
10	16QAM	25	25	21.37	21.38	21.44	21.28			
10	16QAM	50	0	21.38	21.47	21.25	21.37		23	2
10	16QAM	50	12	21.36	21.40	21.34	21.44			
10	16QAM	1	25	21.32	21.34	21.27	21.36			
10	16QAM	49	21.25	20.26	20.26	20.14	21.35			
10	16QAM	25	0	20.25	20.25	20.25	20.30		22	
10	16QAM	25	12	20.31	20.44	20.32	20.39			
10	16QAM	25	20	20.34	20.55	20.41	20.37			
10	16QAM	50	0	20.30	20.43	20.33	20.25			
10	16QAM	50	12	18.36	18.36	18.36	18.36		20	5
10	16QAM	1	25	18.34	18.45	18.46	18.35			
10	256QAM	1	49	18.41	18.42	18.30	18.27			
10	256QAM	25	0	18.38	18.42	18.41	18.31			
10	256QAM	25	12	18.36	18.45	18.36	18.32		20	5
10	256QAM	25	25	18.41	18.48	18.36	18.48			
10	256QAM	50	18	18.37	18.47	18.41	18.44			
10	256QAM	1	49	18.29	18.47	18.41	18.44			
Channel				55825	55810	56170	56715	1000 ms	MPR (dB)	
5	QPSK	1	0	23.22	23.42	23.11	23.20		25	0
5	QPSK	1	12	23.32	23.33	23.25	23.24			
5	QPSK	1	24	23.41	23.33	23.24	23.25			
5	QPSK	12	0	22.32	22.56	22.36	22.41			
5	QPSK	12	13	22.40	22.40	22.34	22.42		24	1
5	QPSK	12	13	22.28	22.45	22.34	22.34			
5	QPSK	25	0	22.27	22.47	22.32	22.45			
5	16QAM	1	0	22.34	22.51	22.31	22.40			
5	16QAM	1	12	22.39	22.47	22.31	22.41		24	1
5	16QAM	1	24	22.38	22.42	22.37	22.47			
5	16QAM	12	0	21.20	21.48	21.33	21.31			
5	16QAM	12	7	21.34	21.55	21.31	21.41			
5	16QAM	12	13	21.33	21.45	21.41	21.52		23	2
5	16QAM	25	0	21.29	21.42	21.29	21.34			
5	16QAM	1	0	21.25	21.46	21.32	21.47			
5	16QAM	1	12	21.30	21.43	21.31	21.34			
5	16QAM	1	24	21.31	21.52	21.30	21.31		23	2
5	16QAM	1	0	20.24	20.43	20.43	20.26			
5	16QAM	12	0	20.25	20.39	20.25	20.39			
5	16QAM	12	13	20.37	20.53	20.43	20.38			
5	16QAM	25	0	20.20	20.54	20.31	20.20		22	3
5	256QAM	1	0	18.49	18.37	18.38	18.24			
5	256QAM	1	12	18.32	18.43	18.42	18.38			
5	256QAM	24	18	18.30	18.38	18.32	18.25			
5	256QAM	12	0	18.40	18.41	18.35	18.34		20	5
5	256QAM	12	7	18.37	18.50	18.32	18.26			
5	256QAM	12	14	18.44	18.44	18.32	18.38			
5	256QAM	25	0	18.39	18.43	18.34	18.38			

Full & Default Power Mode Other PA

Band 4 Ant5 Default										Band 7 Ant5 Default									
RFW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mode Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (sec)	MPR (dB)	RFW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mode Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (sec)	MPR (dB)
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
30	QPSK	1	0	22.02	22.28	22.28	22.28	23.2	0	30	QPSK	1	5	21.31	21.31	21.31	21.31	23.2	0
20	QPSK	1	40	22.10	22.22	22.20	22.20	23.2	0	20	QPSK	1	49	21.28	21.29	21.18	21.18	23.2	0
20	QPSK	50	0	21.20	21.20	21.20	21.20	23.2	1	20	QPSK	1	37	21.23	21.24	21.19	21.19	23.2	0
20	QPSK	50	50	21.10	21.20	21.20	21.20	23.2	1	20	QPSK	50	0	20.30	20.38	20.33	20.33	23.2	1
20	QPSK	100	0	21.18	21.20	21.20	21.20	23.2	1	20	QPSK	50	24	20.38	20.33	20.16	20.16	23.2	1
10	16QAM	1	0	21.10	21.20	21.20	21.20	23.2	1	20	QPSK	100	0	20.34	20.35	20.25	20.25	23.2	1
10	16QAM	1	40	21.15	21.24	21.25	21.25	23.2	1	10	16QAM	1	0	20.34	20.34	20.34	20.34	23.2	1
10	16QAM	50	0	20.17	20.25	20.22	20.22	21.2	2	10	16QAM	1	40	20.30	20.34	20.20	20.20	23.2	1
10	16QAM	50	24	20.14	20.30	20.25	20.25	21.2	2	10	16QAM	1	99	20.29	20.27	20.22	20.22	23.2	1
10	16QAM	50	50	20.07	20.20	20.20	20.20	21.2	2	10	16QAM	50	0	19.26	19.37	19.36	19.36	20.2	3
10	16QAM	100	0	20.23	20.25	20.20	20.20	21.2	2	10	16QAM	50	24	19.37	19.25	19.33	19.33	20.2	3
10	16QAM	1	0	19.17	19.27	19.23	19.23	20.2	3	10	16QAM	50	50	19.26	19.33	19.11	19.11	20.2	3
10	16QAM	50	24	19.08	19.25	19.15	19.15	20.2	3	10	16QAM	100	0	19.30	19.40	19.28	19.28	20.2	3
10	16QAM	50	50	19.10	19.13	19.24	19.24	20.2	3	10	16QAM	1	40	19.24	19.31	19.27	19.27	20.2	3
10	16QAM	100	0	19.13	19.25	19.26	19.26	20.2	3	10	16QAM	1	99	19.20	19.24	19.20	19.20	20.2	3
10	16QAM	1	0	17.25	17.32	17.15	17.15	18.2	5	10	16QAM	50	0	18.34	18.37	18.31	18.31	18.2	5
10	16QAM	1	40	17.12	17.24	17.23	17.23	18.2	5	10	16QAM	50	24	18.28	18.29	18.18	18.18	18.2	5
10	16QAM	1	56	17.11	17.17	17.23	17.23	18.2	5	10	16QAM	50	50	18.30	18.32	18.30	18.30	18.2	5
10	16QAM	50	0	17.18	17.27	17.22	17.22	18.2	5	10	16QAM	100	0	18.30	18.32	18.30	18.30	18.2	5
10	16QAM	50	24	17.18	17.21	17.27	17.27	18.2	5	10	16QAM	1	40	18.28	18.36	18.34	18.34	18.2	5
10	16QAM	50	50	17.12	17.21	17.27	17.27	18.2	5	10	16QAM	1	99	18.22	18.30	18.29	18.29	18.2	5
10	16QAM	100	0	17.08	17.20	17.21	17.21	18.2	5	10	16QAM	50	0	16.30	16.32	16.26	16.26	17.2	5
10	16QAM	100	0	17.08	17.20	17.21	17.21	18.2	5	10	16QAM	100	0	16.28	16.24	16.23	16.23	17.2	5
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	22.11	22.21	22.18	22.18	23.2	0	15	QPSK	1	3	21.07	21.25	21.18	21.18	23.2	0
15	QPSK	1	37	22.04	22.16	22.18	22.18	23.2	0	15	QPSK	1	24	21.05	21.15	21.04	21.04	23.2	0
15	QPSK	1	74	22.00	22.16	22.15	22.15	23.2	0	15	QPSK	1	74	21.13	21.21	21.13	21.13	23.2	0
15	QPSK	36	0	21.15	21.20	21.17	21.17	23.2	1	15	QPSK	36	0	20.18	20.28	20.28	20.28	23.2	1
15	QPSK	36	20	21.06	21.14	21.17	21.17	23.2	1	15	QPSK	36	20	20.20	20.24	20.20	20.20	23.2	1
15	QPSK	36	36	21.00	21.10	21.11	21.11	23.2	1	15	QPSK	36	36	20.16	20.22	20.14	20.14	23.2	1
15	QPSK	75	0	21.08	21.16	21.14	21.14	23.2	1	15	QPSK	75	0	20.25	20.33	20.21	20.21	23.2	1
15	16QAM	1	0	21.13	21.16	21.23	21.23	23.2	1	15	16QAM	1	0	20.27	20.30	20.26	20.26	23.2	1
15	16QAM	1	37	21.08	21.10	21.15	21.15	23.2	1	15	16QAM	1	37	20.20	20.26	20.12	20.12	23.2	1
15	16QAM	1	74	21.02	21.08	21.15	21.15	23.2	1	15	16QAM	1	74	20.16	20.21	20.17	20.17	23.2	1
15	16QAM	36	0	20.08	20.16	20.19	20.19	21.2	2	15	16QAM	36	0	19.20	19.25	19.28	19.28	21.2	2
15	16QAM	36	20	20.10	20.25	20.20	20.20	21.2	2	15	16QAM	36	20	19.21	19.36	19.87	19.87	20.2	3
15	16QAM	36	36	19.99	19.99	20.08	20.08	21.2	2	15	16QAM	36	36	19.15	19.22	19.86	19.86	20.2	3
15	16QAM	75	0	20.14	20.23	20.18	20.18	21.2	2	15	16QAM	75	0	19.27	19.35	19.89	19.89	20.2	3
15	16QAM	1	0	20.03	20.21	20.16	20.16	21.2	2	15	16QAM	1	0	19.22	19.32	19.23	19.23	20.2	3
15	16QAM	1	37	20.12	20.25	20.19	20.19	21.2	2	15	16QAM	1	37	19.16	19.26	19.13	19.13	20.2	3
15	16QAM	1	74	20.05	20.15	20.13	20.13	21.2	2	15	16QAM	1	74	19.31	19.31	19.21	19.21	20.2	3
15	16QAM	36	0	19.09	19.18	19.10	19.10	20.2	3	15	16QAM	36	0	18.27	18.34	18.24	18.24	18.2	5
15	16QAM	36	20	18.94	19.17	19.07	19.07	20.2	3	15	16QAM	36	20	18.24	18.22	18.04	18.04	18.2	5
15	16QAM	36	36	19.03	19.09	19.11	19.11	20.2	3	15	16QAM	36	24	18.34	18.25	18.08	18.08	18.2	5
15	16QAM	75	0	19.03	19.18	19.14	19.14	20.2	3	15	16QAM	36	36	18.24	18.20	18.06	18.06	18.2	5
15	16QAM	1	0	17.12	17.28	17.13	17.13	18.2	5	15	16QAM	75	0	18.24	18.20	18.27	18.27	18.2	5
15	16QAM	1	37	17.21	17.19	17.20	17.20	18.2	5	15	16QAM	75	20	18.27	18.22	18.21	18.21	18.2	5
15	16QAM	36	0	17.06	17.17	17.21	17.21	18.2	5	15	16QAM	1	37	16.19	16.30	16.06	16.06	17.2	5
15	16QAM	36	20	17.12	17.19	17.19	17.19	18.2	5	15	16QAM	1	74	16.23	16.22	16.11	16.11	17.2	5
15	16QAM	36	36	17.07	17.11	17.19	17.19	18.2	5	15	16QAM	36	20	16.11	16.26	16.09	16.09	17.2	5
15	16QAM	75	0	16.95	17.18	17.16	17.16	18.2	5	15	16QAM	36	36	16.19	16.19	16.25	16.25	17.2	5
15	16QAM	75	20	17.03	17.03	17.16	17.16	18.2	5	15	16QAM	36	36	16.23	16.18	16.19	16.19	17.2	5
15	16QAM	50	0	17.02	17.22	17.19	17.19	18.2	5	15	16QAM	50	0	16.20	16.18	16.13	16.13	17.2	5
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	22.12	22.13	22.17	22.17	23.2	0	10	QPSK	1	5	20.92	20.95	20.96	20.96	23.2	0
10	QPSK	1	12	22.01	22.10	22.07	22.07	23.2	0	10	QPSK	1	24	21.01	21.21	21.10	21.10	23.2	0
10	QPSK	1	24	22.03	22.09	22.05	22.05	23.2	0	10	QPSK	1	48	21.08	21.22	21.17	21.17	23.2	0
10	QPSK	13	0	21.12	21.20	21.15	21.15	23.2	1	10	QPSK	1	96	21.04	21.14	21.04	21.04	23.2	0
10	QPSK	12	7	20.99	21.22	21.11	21.11	23.2	1	10	QPSK	25	0	20.34	20.34	20.31	20.31	23.2	1
10	QPSK	13	13	21.04	21.09	21.18	21.18	23.2	1	10	QPSK	25	12	20.17	20.20	20.01	20.01	23.2	1
10	QPSK	25	0	21.04	21.22	21.15	21.15	23.2	1	10	QPSK	25	25	20.22	20.18	20.05	20.05	23.2	1
10	16QAM	1	0	21.03	21.17	21.16	21.16	23.2	1	10	16QAM	1	0	20.22	20.31	20.16	20.16	23.2	1
10	16QAM	1	12	21.02	21.18	21.22	21.22	23.2	1	10	16QAM	1	12	20.22	20.31	20.16	20.16	23.2	1
10	16QAM	1	24	21.09	21.11	21.09	21.09	23.2	1	10	16QAM	1	24	20.21	20.20	20.14	20.14	23.2	1
10	16QAM	12	0	20.14	20.15	20.11	20.11	21.2	2	10	16QAM	12	0	19.11	19.26	19.09	19.09	21.2	2
10	16QAM	12	7	20.12	20.19	20.14	20.14	21.2	2	10	16QAM	12	7	19.11	19.26	19.09	19.09	21.2	2
10	16QAM	12	13	19.99	20.06	20.01	20.01	21.2	2	10	16QAM	12	13	19.20	19.24	19.09	19.09	21.2	2
10	16QAM	25	0	20.10	20.21	20.26	20.26	21.2	2	10	16QAM	25	0	19.28	19.29	19.24	19.24	21.2	2
10	16QAM	1	0	20.02	20.17	20.26	20.26	21.2	2	10	16QAM	25	12	19.27	19.27	19.17	19.17	21.2	2
10	16QAM	1	12	20.09	20.18	20.25	20.25	21.2	2	10	16QAM	1	96	19.16					

Band 38 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Total up (dBm)	MPE (dB)
Channel									
Frequency (MHz)				37890	38050	38150			
20	QPSK	1	0	21.41	21.48	21.39			
20	QPSK	1	49	21.29	21.48	21.39		22.5	0
20	QPSK	1	99	21.29	21.43	21.29			
20	QPSK	50	0	20.47	20.51	20.41			
20	QPSK	50	24	20.33	20.50	20.31		21.5	1
20	QPSK	100	0	20.39	20.48	20.38			
20	16QAM	1	0	20.42	20.45	20.43		21.5	1
20	16QAM	1	49	20.33	20.44	20.35			
20	16QAM	1	99	20.32	20.41	20.31			
20	16QAM	50	0	19.45	19.53	19.41			
20	16QAM	50	24	19.35	19.47	19.35		20.5	2
20	16QAM	50	50	19.30	19.48	19.28			
20	16QAM	100	0	19.29	19.42	19.35			
20	16QAM	1	0	19.47	19.49	19.41			
20	16QAM	1	49	19.34	19.42	19.31		20.5	2
20	16QAM	1	99	19.34	19.35	19.33			
20	16QAM	50	0	18.43	18.48	18.42			
20	16QAM	50	24	18.35	18.50	18.29		19.5	3
20	16QAM	50	50	18.23	18.46	18.21			
20	16QAM	100	0	18.40	18.46	18.35			
20	256QAM	1	0	18.52	18.50	18.40			
20	256QAM	1	49	18.39	18.47	18.35		17.5	5
20	256QAM	1	99	18.29	18.52	18.21			
20	256QAM	50	0	16.99	16.93	16.80			
20	256QAM	50	24	16.92	16.94	16.84		17.5	5
20	256QAM	50	50	16.84	16.48	16.35			
20	256QAM	100	0	16.33	16.35	16.33			
Channel									
Frequency (MHz)				21775	21950	22125	up limit (dBm)	MPE (dB)	
15	QPSK	1	0	21.53	21.43	21.31			
15	QPSK	1	37	21.22	21.36	21.25		22.5	0
15	QPSK	1	74	21.20	21.25	21.18			
15	QPSK	36	0	20.37	20.48	20.34			
15	QPSK	36	20	20.26	20.47	20.19		21.5	1
15	QPSK	72	0	20.33	20.31	20.29			
15	QPSK	72	0	20.35	20.38	20.30			
15	16QAM	1	0	20.33	20.38	20.33		21.5	1
15	16QAM	1	37	20.33	20.31	20.29			
15	16QAM	1	74	20.20	20.31	20.22			
15	16QAM	36	0	19.49	19.43	19.29		20.5	2
15	16QAM	36	20	19.39	19.42	19.35			
15	16QAM	36	36	19.27	19.44	19.24			
15	16QAM	72	0	19.36	19.31	19.26			
15	16QAM	1	0	19.39	19.29	19.35		20.5	2
15	16QAM	1	37	19.23	19.40	19.20			
15	16QAM	1	74	19.26	19.22	19.20			
15	16QAM	36	0	18.53	18.38	18.35		19.5	3
15	16QAM	36	20	18.21	18.41	18.19			
15	16QAM	36	36	18.25	18.35	18.25			
15	256QAM	1	0	18.35	18.40	18.32			
15	256QAM	1	0	18.49	18.40	18.37		17.5	5
15	256QAM	1	37	18.23	18.40	18.23			
15	256QAM	1	74	18.25	18.39	18.11			
15	256QAM	36	0	18.35	18.50	18.31			
15	256QAM	36	20	18.35	18.40	18.35		17.5	5
15	256QAM	36	36	18.29	18.34	18.23			
15	256QAM	72	0	18.22	18.25	18.16			
Channel									
Frequency (MHz)				37850	38000	38150	up limit (dBm)	MPE (dB)	
10	QPSK	1	0	21.27	21.28	21.27		22.5	0
10	QPSK	1	25	21.27	21.36	21.27			
10	QPSK	1	49	21.18	21.33	21.15			
10	QPSK	25	0	20.36	20.37	20.31			
10	QPSK	25	12	20.25	20.44	20.19		21.5	1
10	QPSK	25	25	20.15	20.41	20.18			
10	QPSK	50	0	20.34	20.36	20.33		21.5	1
10	QPSK	50	1	20.29	20.35	20.37			
10	16QAM	1	0	20.30	20.39	20.21		21.5	1
10	16QAM	1	49	20.34	20.31	20.21			
10	16QAM	25	0	19.34	19.49	19.32			
10	16QAM	25	12	19.29	19.34	19.22		20.5	2
10	16QAM	25	25	19.17	19.42	19.15			
10	16QAM	50	0	19.25	19.39	19.25			
10	16QAM	1	0	19.39	19.34	19.31		20.5	2
10	16QAM	1	25	19.31	19.32	19.27			
10	16QAM	1	49	19.25	19.22	19.21			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.22	19.33			
10	16QAM	50	25	19.25	19.22	19.31			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10	16QAM	50	12	19.24	19.16	19.37			
10	16QAM	50	25	19.17	19.17	19.25			
10	16QAM	1	0	19.36	19.29	19.32		20.5	2
10	16QAM	1	25	19.24	19.37	19.29			
10	16QAM	1	49	19.17	19.17	19.25			
10	16QAM	25	0	18.38	19.29	19.46		19.5	3
10	16QAM	25	12	18.24	18.22	18.33			
10	16QAM	25	25	18.25	18.22	18.31			
10	16QAM	50	0	19.32	19.27	19.39		20.5	2
10									

Band 4 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Time Interval (sec)	APR (dB)	
Channel									
200K5 20175 20375									
Frequency (MHz)									
20	QPSK	1	0	23.65	24.05	23.88			
20	QPSK	1	48	23.65	24.05	23.85	25.8	0	
20	QPSK	1	96	23.65	23.97	23.84			
20	QPSK	50	0	22.95	23.94	23.55			
20	QPSK	50	24	22.92	23.94	23.51	24.8	1	
20	QPSK	50	50	22.87	23.92	22.91			
20	QPSK	100	0	22.88	23.93	22.87			
20	QPSK	100	50	22.92	23.99	23.03	24.8	1	
20	16QAM	1	48	22.89	22.95	22.85	24.8	1	
20	16QAM	1	96	22.89	22.98	22.89			
20	16QAM	50	0	21.95	21.99	21.97			
20	16QAM	50	24	21.96	21.97	21.89	23.8	2	
20	16QAM	50	50	21.86	21.97	21.86			
20	16QAM	100	0	21.95	21.99	21.93	23.8	2	
20	16QAM	1	0	21.90	22.04	22.02			
20	16QAM	1	48	21.90	21.93	21.81	23.8	2	
20	16QAM	1	96	21.84	21.99	21.84			
20	16QAM	50	0	20.93	21.05	21.04			
20	16QAM	50	24	20.92	20.93	20.86	22.8	3	
20	16QAM	50	50	20.90	20.98	20.86			
20	16QAM	100	0	21.01	21.04	20.96			
20	25QAM	1	48	18.85	18.98	18.97	20.8	5	
20	25QAM	1	96	18.85	18.98	18.94			
20	25QAM	50	0	18.85	18.98	18.95	20.8	5	
20	25QAM	50	24	18.90	18.97	18.91	20.8	5	
20	25QAM	50	50	18.87	18.89	18.88			
20	25QAM	100	0	18.86	18.90	18.87			
Channel									
200K5 20175 20375									
Frequency (MHz)									
15	QPSK	1	0	23.60	24.02	23.82			
15	QPSK	1	37	23.64	23.92	23.79	25.8	0	
15	QPSK	1	74	23.77	23.88	23.84			
15	QPSK	36	0	22.83	22.93	22.86			
15	QPSK	36	24	22.89	22.97	22.81	24.8	1	
15	QPSK	36	36	22.81	22.79	22.81			
15	QPSK	75	0	22.88	22.87	22.84			
15	16QAM	1	0	22.86	22.87	22.83			
15	16QAM	1	37	22.86	22.84	22.72	24.8	1	
15	16QAM	1	74	22.81	22.84	22.81			
15	16QAM	36	0	21.93	21.91	21.90			
15	16QAM	36	20	21.89	21.95	21.85	23.8	2	
15	16QAM	36	36	21.90	21.88	21.82			
15	16QAM	75	0	21.85	21.85	21.82			
15	16QAM	1	0	21.85	21.85	21.82	23.8	2	
15	16QAM	1	37	21.87	21.84	21.75			
15	16QAM	1	74	21.74	21.91	21.75			
15	16QAM	36	0	20.82	20.91	20.95			
15	16QAM	36	20	20.82	20.86	20.82	22.8	3	
15	16QAM	36	36	20.85	20.92	20.75			
15	16QAM	75	0	20.89	20.85	20.85			
15	25QAM	1	0	18.76	18.95	18.75			
15	25QAM	1	37	18.73	18.85	18.83	20.8	5	
15	25QAM	1	74	18.75	18.87	18.91			
15	25QAM	36	0	18.82	18.86	18.80	20.8	5	
15	25QAM	36	20	18.80	18.85	18.85			
15	25QAM	36	36	18.78	18.79	18.79	20.8	5	
15	25QAM	75	0	18.85	18.83	18.75			
Channel									
200K5 20175 20375									
Frequency (MHz)									
10	QPSK	1	0	23.60	23.40	23.40			
10	QPSK	1	48	23.64	23.87	23.77	25.8	0	
10	QPSK	1	96	23.81	23.86	23.85			
10	QPSK	25	0	22.82	22.87	22.86			
10	QPSK	25	12	22.82	22.87	22.85	24.8	1	
10	QPSK	25	25	22.82	22.87	22.87			
10	16QAM	1	0	22.82	22.92	23.01			
10	16QAM	1	25	22.83	22.85	22.73	24.8	1	
10	16QAM	1	48	22.77	22.84	22.84			
10	16QAM	25	0	21.83	21.92	21.83			
10	16QAM	25	12	21.86	21.87	21.78	23.8	2	
10	16QAM	25	12	21.84	21.78	21.75			
10	16QAM	50	0	21.93	21.91	21.85			
10	16QAM	1	0	21.76	21.93	21.80	23.8	2	
10	16QAM	1	24	21.83	21.83	21.77			
10	16QAM	1	48	21.74	21.83	21.74			
10	16QAM	25	0	20.91	20.94	21.02			
10	16QAM	25	12	20.79	20.80	20.85	22.8	3	
10	16QAM	25	25	20.76	20.92	20.79			
10	16QAM	50	0	20.88	20.97	20.95			
10	25QAM	1	0	18.76	18.97	18.80			
10	25QAM	1	25	18.76	18.92	18.90	20.8	5	
10	25QAM	1	48	18.75	18.88	18.86			
10	25QAM	25	0	18.83	18.92	18.85	20.8	5	
10	25QAM	25	12	18.85	18.91	18.91			
10	25QAM	25	25	18.75	18.86	18.75	20.8	5	
10	25QAM	50	0	18.81	18.89	18.75			
Channel									
19975 20175 20375									
Frequency (MHz)									
5	QPSK	1	0	23.60	23.40	23.40			
5	QPSK	1	12	23.60	23.85	23.74	25.8	0	
5	QPSK	1	24	23.74	23.83	23.83			
5	QPSK	12	0	22.83	22.87	22.81			
5	QPSK	12	7	22.82	22.86	22.81	24.8	1	
5	QPSK	12	13	22.75	22.87	22.79			
5	QPSK	25	0	22.85	22.87	22.85			
5	16QAM	1	0	22.79	22.83	22.82			
5	16QAM	1	12	22.82	22.92	22.79	24.8	1	
5	16QAM	1	24	22.85	22.87	22.81			
5	16QAM	12	0	21.83	21.83	21.81			
5	16QAM	12	7	21.87	21.87	21.82	23.8	2	
5	16QAM	12	13	21.76	21.74	21.83			
5	16QAM	25	0	21.85	21.86	21.86			
5	16QAM	1	0	21.78	21.91	21.88	23.8	2	
5	16QAM	1	12	21.78	21.88	21.72			
5	16QAM	1	24	21.80	21.91	21.73			
5	16QAM	12	0	20.82	20.95	21.00			
5	16QAM	12	7	20.85	20.82	20.79	22.8	3	
5	16QAM	12	13	20.87	20.89	20.79			
5	16QAM	25	0	20.87	20.94	20.84			
5	25QAM	1	0	18.82	18.98	18.87			
5	25QAM	1	12	18.83	18.95	18.85	20.8	5	
5	25QAM	1	24	18.76	18.94	18.90			
5	25QAM	12	0	18.80	18.96	18.83	20.8	5	
5	25QAM	12	7	18.78	18.85	18.88			
5	25QAM	12	13	18.73	18.78	18.75	20.8	5	
5	25QAM	25	0	18.79	18.82	18.73			
Channel									
19975 20175 20375									
Frequency (MHz)									
3	QPSK	1	0	23.67	23.65	23.63			
3	QPSK	1	8	23.75	23.92	23.75	25.8	0	
3	QPSK	1	14	23.62	23.84	23.62			
3	QPSK	8	0	22.78	22.98	22.82			
3	QPSK	8	4	22.76	22.82	22.82	24.8	1	
3	QPSK	8	7	22.84	22.82	22.75			
3	QPSK	16	0	22.85	22.84	22.80			
3	16QAM	1	0	22.89	22.89	22.87			
3	16QAM	1	8	22.81	22.82	22.80	24.8	1	
3	16QAM	1	14	22.77	22.92	22.81			
3	16QAM	8	0	21.82	21.94	21.87			
3	16QAM	8	4	21.88	21.92	21.75	23.8	2	
3	16QAM	8	7	21.78	21.75	21.80			
3	16QAM	16	0	21.85	21.94	21.90			
3	16QAM	1	0	21.78	21.92	21.82	23.8	2	
3	16QAM	1	8	21.87	21.80	21.79			
3	16QAM	1	14	21.71	21.91	21.82			
3	16QAM	8	0	20.83	20.96	20.94			
3	16QAM	8	4	20.84	20.96	20.77	22.8	3	
3	16QAM	8	7	20.85	20.96	20.80			
3	25QAM	1	0	18.82	18.97	18.84			
3	25QAM	1	8	18.77	18.96	18.87	20.8	5	
3	25QAM	1	14	18.81	18.82	18.87			
3	25QAM	8	0	18.96	18.87	18.92			
3	25QAM	8	4	18.77	18.88	18.88	20.8	5	
3	25QAM	8	7	18.83	18.81	18.75			
3	25QAM	16	0	18.84	18.91	18.81			
Channel									
19975 20175 20375									
Frequency (MHz)									
1.4	QPSK	1	0	23.67	23.65	23.63			
1.4	QPSK	1	8	23.75	23.92	23.75	25.8	0	
1.4	QPSK	1	14	23.62	23.84	23.62			
1.4	QPSK	8	0	22.78	22.98	22.82			
1.4	QPSK	8	4	22.76	22.82	22.82	24.8	1	
1.4	QPSK	8	7	22.84	22.82	22.75			
1.4	QPSK	16	0	22.85	22.84	22.80			
1.4	16QAM	1	0	22.89	22.89	22.87			
1.4	16QAM	1	8	22.81	22.82	22.80	24.8	1	
1.4	16QAM	1	14	22.77	22.92	22.79			
1.4	16QAM	8	0	21.82	21.94	21.78	23.8	2	
1.4	16QAM	8	4	21.88	21.92	21.75			
1.4	16QAM	8	7	21.78	21.75	21.80	20.8	5	
1.4	16QAM	16	0	21.85	21.94	21.90			
1.4	16QAM	1	0	21.81	21.87	21.77	23.8	2	
1.4	16QAM	1	8	21.82	21.82	21.75			
1.4	16QAM	1	14	21.73	21.93	21.82			
1.4	16QAM	8	0	20.83	20.97	20.82	22.8	3	
1.4									

Band 38 Ant4 Default										Band 41 Ant4 Default										Band 42 Ant4 Default										Band 48 Ant4 Default												
RF (MHz)	Modem (MHz)	RB Size	RB Offset	Power Low (dBm)	Power Max (dBm)	Power High (dBm)	Time (sec)	MPE (dB)		RF (MHz)	Modem (MHz)	RB Size	RB Offset	Power Low (dBm)	Power Max (dBm)	Power High (dBm)	Time (sec)	MPE (dB)		RF (MHz)	Modem (MHz)	RB Size	RB Offset	Power Low (dBm)	Power Max (dBm)	Power High (dBm)	Time (sec)	MPE (dB)		RF (MHz)	Modem (MHz)	RB Size	RB Offset	Power Low (dBm)	Power Max (dBm)	Power High (dBm)	Time (sec)	MPE (dB)				
Channel										Channel										Channel										Channel												
3780 3960 3610										39750 40450 40600 41050 41800										42100 42600 42900 36400										55340 55930 56150 56640												
2055 2655 2610										2505 2445 5 2385 2385 5										2450 2450 2450 3640										3660 3660 3610 3660												
20	QPK8K	1	0	23.08	23.11	23.10				20	QPK8K	1	0	23.08	23.11	23.10				20	QPK8K	1	0	24.08	24.11	24.10				20	QPK8K	1	0	23.08	23.11	23.10						
20	QPK8K	1	59	23.08	23.10	23.09			24.0	20	QPK8K	1	59	23.07	23.09	23.11	23.01	23.09			24.0	20	QPK8K	1	59	24.08	24.10	24.07	24.04			20	QPK8K	1	59	23.05	23.08	23.09	23.00			
20	QPK8K	1	118	23.08	23.09	23.08			24.0	20	QPK8K	1	118	23.07	23.08	23.10	23.01	23.08			24.0	20	QPK8K	1	118	24.08	24.09	24.07	24.04			20	QPK8K	1	118	23.05	23.07	23.08	23.00			
20	QPK8K	50	24	22.02	22.10	21.90			23.6	20	QPK8K	50	24	22.02	22.08	22.13	21.90	21.97			23.6	20	QPK8K	50	24	24.02	24.07	24.07	24.05			20	QPK8K	50	24	22.02	22.10	22.04	21.88			
20	QPK8K	50	50	22.02	22.07	21.88			23.6	20	QPK8K	50	50	22.03	22.06	22.16	21.87	21.86			23.6	20	QPK8K	50	50	22.03	22.06	22.16	21.87			20	QPK8K	50	50	22.07	22.11	21.96	21.84			
20	QPK8K	50	75	22.02	22.06	21.88			23.6	20	QPK8K	50	75	22.02	22.06	22.13	21.87	21.86			23.6	20	QPK8K	50	75	24.02	24.06	24.07	24.05			20	QPK8K	50	75	22.07	22.11	21.96	21.88			
20	16QAM	1	0	22.12	22.09	22.09			23.6	20	16QAM	1	0	22.13	22.10	22.10	22.02	22.10			23.6	20	16QAM	1	0	24.12	24.11	24.10			20	16QAM	1	0	22.12	22.11	21.99	21.93				
20	16QAM	1	59	22.12	22.09	22.09			23.6	20	16QAM	1	59	22.10	22.08	22.11	22.01	22.09			23.6	20	16QAM	1	59	24.12	24.10	24.07	24.05			20	16QAM	1	59	22.12	22.11	21.99	21.93			
20	16QAM	50	24	21.06	21.06	21.06			22.6	20	16QAM	50	24	21.06	21.05	21.07	20.97	21.06			22.6	20	16QAM	50	24	23.06	23.05	23.07	23.05			20	16QAM	50	24	21.06	21.06	21.06	21.06			
20	16QAM	50	50	21.07	21.09	21.00			22.6	20	16QAM	50	50	21.08	21.07	21.11	20.97	21.07			22.6	20	16QAM	50	50	23.07	23.06	23.10	23.08			20	16QAM	50	24	21.09	21.09	21.11	21.08			
20	16QAM	50	75	21.08	21.15	21.08			22.6	20	16QAM	50	75	21.08	21.15	21.08	21.12	21.08			22.6	20	16QAM	50	75	23.08	23.15	23.08	23.12			20	16QAM	50	75	21.09	21.16	21.09	21.15			
20	16QAM	1	99	21.06	21.12	21.10			22.6	20	16QAM	1	99	21.06	20.99	21.10	21.06	21.03			22.6	20	16QAM	1	99	23.06	23.10	23.06	23.04			20	16QAM	1	99	21.01	21.06	20.99	21.04			
20	16QAM	1	118	21.06	21.10	21.07			22.6	20	16QAM	1	118	21.05	21.09	21.11	21.00	21.07			22.6	20	16QAM	1	118	23.06	23.10	23.06	23.04			20	16QAM	1	118	21.01	21.06	20.99	21.04			
20	16QAM	50	24	20.04	20.08	20.12			21.6	20	16QAM	50	24	20.04	20.08	20.12	20.00	20.01			21.6	20	16QAM	50	24	22.06	22.13	22.07	22.00			20	16QAM	50	24	20.05	20.12	20.02	20.08			
20	16QAM	50	50	20.05	20.10	20.05			21.6	20	16QAM	50	50	20.05	20.10	20.05	20.00	20.00			21.6	20	16QAM	50	50	22.07	22.13	22.07	22.00			20	16QAM	50	50	20.06	20.13	20.09	20.09			
20	16QAM	50	75	20.07	20.13	20.05			21.6	20	16QAM	50	75	20.07	20.13	20.05	20.00	20.00			21.6	20	16QAM	50	75	22.11	22.13	22.05	22.00			20	16QAM	50	75	20.09	20.15	20.09	20.09			
20	256QAM	1	0	18.07	18.16	18.05			19.6	20	256QAM	1	0	18.07	18.07	18.22	17.99	18.11			19.6	20	256QAM	1	0	18.07	18.04	18.14	18.04			20	256QAM	1	0	18.02	18.14	18.04	18.00			
20	256QAM	1	59	18.08	18.13	17.95			19.6	20	256QAM	1	59	18.01	18.02	18.14	17.95	18.00			19.6	20	256QAM	1	59	18.08	18.08	18.12	18.04			20	256QAM	1	59	18.01	18.16	18.04	18.00			
20	256QAM	1	118	18.08	18.13	17.95			19.6	20	256QAM	1	118	18.01	18.08	18.13	17.94	17.99			19.6	20	256QAM	1	118	18.08	18.08	18.13	18.04			20	256QAM	1	118	18.01	18.16	18.04	18.00			
20	256QAM	50	24	17.89	17.89	17.88			19.6	20	256QAM	50	24	18.15	17.89	18.08	17.88	17.99	18.13			19.6	20	256QAM	50	24	18.15	17.89	18.08	17.88			20	256QAM	50	24	18.07	18.04	17.97	17.88		
20	256QAM	50	50	18.05	18.08	18.13			19.6	20	256QAM	50	50	18.05	18.08	18.13	18.00	18.13			19.6	20	256QAM	50	50	18.05	18.08	18.13	18.00			20	256QAM	50	50	18.07	18.04	17.97	17.88			
Channel										Channel										Channel										Channel												
2375 2445 5 2375 2375 5										24475 24475 5 24475 24475 5										24275 24275 5 24275 24275 5										56115 56115 56115 56115												
16	QPK8K	1	0	22.95	22.97	22.97				16	QPK8K	1	0	22.95	22.97	22.97				16	QPK8K	1	0	23.95	23.98	23.98				16	QPK8K	1	0	22.95	22.97	22.97						
16	QPK8K	1	59	22.95	22.96	22.96			24.0	16	QPK8K	1	59	22.95	22.93	23.01	22.88	22.96			24.0	16	QPK8K	1	59	23.95	23.96	23.99	23.91			16	QPK8K	1	59	22.93	22.93	22.94	22.78			
16	QPK8K	1	118	22.95	22.96	22.96			24.0	16	QPK8K	1	118	22.95	22.93	23.01	22.88	22.96			24.0	16	QPK8K	1	118	23.95	23.96	23.99	23.91			16	QPK8K	1	118	22.93	22.93	22.94	22.78			
16	QPK8K	50	24	22.01	22.02	22.02			23.6	16	QPK8K	50	24	22.01	22.02	22.08	22.04	22.01			23.6	16	QPK8K	50	24	24.01	24.02	24.02	24.01			16	QPK8K	50	24	22.01	22.02	22.01	21.85			
16	QPK8K	50	50	22.01	22.01	22.01			23.6	16	QPK8K	50	50	22.01	22.01	22.01	21.93	21.91			23.6	16	QPK8K	50	50	24.01	24.01	24.01	24.01			16	QPK8K	50	50	22.01	22.01	22.01	21.91			
16	QPK8K	50	75	22.01	22.01	22.01			23.6	16	QPK8K	50	75	22.01	22.01	22.01	21.93	21.91			23.6	16	QPK8K	50	75	24.01	24.01	24.01	24.01			16	QPK8K	50	75	22.01	22.01	22.01	21.91			
16	16QAM	1	0	22.04	22.03	22.03			23.6	16	16QAM	1	0	22.04	22.01	22.07	21.99	21.91			23.6	16	16QAM	1	0	24.04	24.03	24.03	24.03			16	16QAM	1	0	22.02	22.02	21.94	21.88			
16	16QAM	1	59	22.04	22.03	22.03			23.6	16	16QAM	1	59	22.04	22.01	22.07	21.99	21.91			23.6	16	16QAM	1	59	24.04	24.03	24.03	24.03			16	16QAM	1	59	22.02	22.02	21.94	21.88			
16	16QAM	50	24	21.06	21.06	21.06			22.6	16	16QAM	50	24	21.06	21.06	21.12	21.00	21.09			22.6	16	16QAM	50	24	23.06	23.06	23.06	23.06			16	16QAM	50	24	21.06	21.06	21.06	21.06			
16	16QAM	50	50	21.06	21.06	21.06			22.6	16	16QAM	50	50	21.06	21.06	21.12	21.00	21.09			22.6	16	16QAM	50	50	23.06	23.06	23.06	23.06			16	16QAM	50	50	21.06	21.06	21.06	21.06			
16	16QAM	50	75	21.06	21.06	21.06			22.6	16	16QAM	50	75	21.06	21.06	21.12	21.00	21.09			22.6	16	16QAM	50	75	23.06	23.06	23.06	23.06			16	16QAM	50	75	21.06	21.06	21.06	21.06			
16	256QAM	1	0	18.02	18.12	17.86			19.6	16	256QAM	1	0	18.02	18.02	18.12	17.86	17.79			19.6	16	256QAM	1	0	18.02	18.02	18.12	17.86			16	256QAM	1	0	18.02	18.12	17.86	17.80			
16	256QAM	1	59	18.02	18.12	17.86			19.6	16	256QAM	1	59	17.99	18.01	18.14	17.86	17.95			19.6	16	256QAM	1	59	18.02	18.02	18.12	17.86			16	256QAM	1	59	18.02	18.12	17.86	17.80			
16	256QAM	1	118	18.02	18.12	17.86			19.6	16	256QAM	1	118	17.99	18.01	18.14	17.86	17.95			19.6	16	256QAM	1	118	18.02	18.02	18.12														

Band 4 Ant6 Default									
BW (MHz)	Modulat	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.99	25.00	25.03			
20	QPSK	1	49	24.87	25.02	24.94	25.7	0	
20	QPSK	50	0	24.86	25.03	25.01			
20	QPSK	50	24	23.97	24.13	23.98			
20	QPSK	50	24	23.82	24.02	23.95	24.7	1	
20	QPSK	100	0	24.02	24.10	24.04			
20	16QAM	1	0	24.03	24.08	24.08			
20	16QAM	1	49	23.83	24.01	23.85	24.7	1	
20	16QAM	1	99	23.89	24.04	23.95			
20	16QAM	50	0	22.92	23.97	23.93			
20	16QAM	50	24	22.87	23.97	23.87	23.7	2	
20	16QAM	50	50	22.91	23.99	23.91			
20	16QAM	100	0	23.94	23.99	23.97			
20	16QAM	1	0	23.07	23.12	23.09			
20	16QAM	1	49	22.98	23.06	22.91	23.7	2	
20	16QAM	1	99	22.94	23.10	22.93			
20	16QAM	50	0	21.98	22.09	21.98			
20	16QAM	50	24	21.83	22.06	21.99	22.7	3	
20	16QAM	50	50	21.91	22.10	21.94			
20	256QAM	1	0	19.02	19.02	19.03			
20	256QAM	1	49	19.77	19.07	19.05	20.7	5	
20	256QAM	1	99	19.94	19.08	19.07			
20	256QAM	50	0	19.85	19.07	19.05			
20	256QAM	50	24	19.07	19.05	19.07	20.7	5	
20	256QAM	50	50	19.94	19.05	19.04			
20	256QAM	100	0	19.05	19.02	19.05			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.93	25.03	24.92			
15	QPSK	1	8	24.81	25.01	24.84	25.7	0	
15	QPSK	1	74	24.79	24.98	24.92			
15	QPSK	50	0	23.83	24.07	23.93			
15	QPSK	50	24	23.74	23.85	23.84	24.7	1	
15	QPSK	50	50	23.88	23.87	23.87			
15	16QAM	1	0	23.95	24.04	23.95			
15	16QAM	1	0	23.98	24.01	23.99			
15	16QAM	1	37	23.88	23.97	23.88	24.7	1	
15	16QAM	1	74	23.82	23.98	23.85			
15	16QAM	36	0	22.93	23.00	22.89			
15	16QAM	36	20	22.79	22.88	22.80	23.7	2	
15	16QAM	36	50	22.95	23.05	22.98			
15	16QAM	75	0	22.93	23.05	22.98			
15	16QAM	1	0	23.02	23.05	23.09	23.7	2	
15	16QAM	1	37	23.05	23.05	23.05			
15	16QAM	1	74	22.92	23.05	22.95			
15	16QAM	36	0	21.91	21.98	21.94	22.7	3	
15	16QAM	36	20	21.85	21.92	21.89			
15	16QAM	36	50	21.91	22.01	21.99			
15	16QAM	75	0	21.92	22.00	21.89			
15	256QAM	1	0	19.02	19.02	19.03			
15	256QAM	1	37	19.70	19.00	19.04	20.7	5	
15	256QAM	1	74	19.88	19.07	19.02			
15	256QAM	36	0	19.82	19.06	19.06			
15	256QAM	36	20	19.05	19.07	19.03	20.7	5	
15	256QAM	36	50	19.88	19.02	19.07			
15	256QAM	75	0	19.83	19.02	19.00			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.87	25.00	24.96			
10	QPSK	1	12	24.78	24.99	24.83	25.7	0	
10	QPSK	1	24	24.82	24.98	24.93			
10	QPSK	12	0	23.84	24.00	23.91			
10	QPSK	12	7	23.75	23.83	23.87	24.7	1	
10	QPSK	12	13	23.83	23.86	23.84			
10	QPSK	25	0	23.88	24.03	24.02			
10	16QAM	1	0	23.98	24.00	24.05			
10	16QAM	1	12	23.79	23.84	23.82	24.7	1	
10	16QAM	1	24	23.85	23.95	23.90			
10	16QAM	12	0	22.85	23.03	22.95			
10	16QAM	12	7	22.77	22.90	22.96	23.7	2	
10	16QAM	12	13	22.78	22.92	22.91			
10	16QAM	25	0	22.91	23.03	23.02			
10	16QAM	1	0	23.05	23.10	23.02	23.7	2	
10	16QAM	1	12	22.90	23.06	22.80			
10	16QAM	1	24	22.88	23.04	22.83			
10	16QAM	12	0	21.83	21.87	21.94	22.7	3	
10	16QAM	12	7	21.75	21.92	21.91			
10	16QAM	12	13	21.84	22.08	21.82			
10	16QAM	25	0	21.86	21.99	21.98			
10	256QAM	1	0	20.00	20.01	19.94			
10	256QAM	1	12	19.65	19.90	19.91	20.7	5	
10	256QAM	1	24	19.89	20.02	19.94			
10	256QAM	12	0	19.91	19.96	19.99			
10	256QAM	12	7	19.98	19.99	20.01	20.7	5	
10	256QAM	12	13	19.85	19.91	19.95			
10	256QAM	25	0	19.82	20.00	19.94			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.93	24.97	24.92			
3	QPSK	1	8	24.82	24.97	24.84	25.7	0	
3	QPSK	1	14	24.79	24.96	24.99			
3	QPSK	8	0	23.81	24.07	23.95			
3	QPSK	8	4	23.73	23.88	23.88	24.7	1	
3	QPSK	7	0	23.81	23.90	23.94			
3	QPSK	15	0	23.82	24.00	23.97			
3	16QAM	1	0	23.92	24.03	24.04			
3	16QAM	1	8	23.89	23.95	23.82	24.7	1	
3	16QAM	1	14	23.83	23.91	23.82			
3	16QAM	8	0	22.84	23.00	22.89			
3	16QAM	8	4	22.73	22.82	22.80	23.7	2	
3	16QAM	8	7	22.79	22.97	22.96			
3	16QAM	15	0	22.80	23.07	23.02			
3	16QAM	1	0	22.95	22.89	22.84			
3	16QAM	1	14	22.89	23.02	22.83			
3	16QAM	8	0	21.71	21.88	21.89	22.7	3	
3	16QAM	8	7	21.80	21.99	21.90			
3	16QAM	15	0	21.87	22.00	21.92			
3	256QAM	1	0	19.99	19.99	19.99			
3	256QAM	1	8	19.73	19.88	19.85	20.7	5	
3	256QAM	1	14	19.87	20.00	19.84			
3	256QAM	8	0	19.81	19.95	19.90			
3	256QAM	8	7	19.88	19.91	19.94	20.7	5	
3	256QAM	8	7	19.89	19.97	19.87			
3	256QAM	15	0	19.82	19.97	19.83			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.94	24.96	24.93			
1.4	QPSK	1	3	24.74	25.00	24.89	25.7	0	
1.4	QPSK	1	0	24.86	24.96	24.99			
1.4	QPSK	3	0	24.85	24.94	24.89			
1.4	QPSK	3	1	24.82	24.86	24.82			
1.4	QPSK	3	0	24.79	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90	24.7	1	
1.4	QPSK	3	0	24.85	24.96	24.93			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4	QPSK	3	3	24.74	24.85	24.90			
1.4									

Band 38 Ant6 Default									
BW [MHz]	Modulat on	RB Size	RB Offset	Power Low Ch / Frs	Power Mid Ch / Frs	Power High Ch / Frs	Total Power [dBm]	MPE (dB)	
Channel									
Frequency [MHz]									
20	QPSK	1	0	24.43	24.46	24.43	24.43	24.43	0
20	QPSK	1	49	24.42	24.44	24.39	24.5	24.5	0
20	QPSK	1	98	24.42	24.41	24.39	24.5	24.5	0
20	QPSK	50	0	23.4	23.46	23.43	23.4	23.4	1
20	QPSK	50	24	23.44	23.43	23.37	23.5	23.5	1
20	QPSK	50	49	23.4	23.43	23.39	23.5	23.5	1
20	QPSK	100	0	23.43	23.44	23.39	23.5	23.5	1
20	16QAM	1	0	23.44	23.42	23.46	23.5	23.5	1
20	16QAM	1	49	23.48	23.43	23.39	23.5	23.5	1
20	16QAM	1	99	23.47	23.42	23.40	23.5	23.5	1
20	16QAM	50	0	22.42	22.49	22.47	22.5	22.5	2
20	16QAM	50	24	22.47	22.44	22.39	22.5	22.5	2
20	16QAM	50	49	22.46	22.43	22.31	22.5	22.5	2
20	16QAM	100	0	22.47	22.43	22.45	22.5	22.5	2
20	64QAM	1	49	22.43	22.41	22.38	22.5	22.5	2
20	64QAM	1	99	22.47	22.47	22.44	22.5	22.5	2
20	64QAM	50	0	21.39	21.46	21.43	21.5	21.5	3
20	64QAM	50	24	21.41	21.46	21.42	21.5	21.5	3
20	64QAM	50	49	21.45	21.38	21.31	21.5	21.5	3
20	64QAM	100	0	21.47	21.47	21.44	21.5	21.5	3
20	256QAM	1	0	19.38	19.46	19.45	19.5	19.5	5
20	256QAM	1	49	19.48	19.42	19.39	19.5	19.5	5
20	256QAM	1	99	19.35	19.36	19.32	19.5	19.5	5
20	256QAM	50	0	19.45	19.45	19.42	19.5	19.5	5
20	256QAM	50	24	19.50	19.48	19.50	19.5	19.5	5
20	256QAM	50	49	19.48	19.39	19.39	19.5	19.5	5
20	256QAM	100	0	19.47	19.47	19.43	19.5	19.5	5
Channel									
Frequency [MHz]									
15	QPSK	1	0	24.43	24.46	24.43	24.43	24.43	0
15	QPSK	1	37	24.29	24.40	24.32	24.5	24.5	0
15	QPSK	1	74	24.38	24.33	24.22	24.5	24.5	0
15	QPSK	36	0	23.39	23.34	23.33	23.5	23.5	1
15	QPSK	36	20	23.41	23.37	23.33	23.5	23.5	1
15	QPSK	36	40	23.4	23.33	23.33	23.5	23.5	1
15	QPSK	72	0	23.35	23.33	23.28	23.5	23.5	1
15	16QAM	1	0	23.39	23.31	23.33	23.5	23.5	1
15	16QAM	1	37	23.42	23.37	23.31	23.5	23.5	1
15	16QAM	1	74	23.38	23.39	23.33	23.5	23.5	1
15	16QAM	36	0	22.37	22.38	22.28	22.5	22.5	2
15	16QAM	36	20	22.37	22.38	22.28	22.5	22.5	2
15	16QAM	36	39	22.38	22.36	22.19	22.5	22.5	2
15	16QAM	72	0	22.25	22.26	22.24	22.5	22.5	2
15	16QAM	72	20	22.40	22.31	22.41	22.5	22.5	2
15	16QAM	1	37	22.27	22.39	22.34	22.5	22.5	2
15	16QAM	1	74	22.31	22.31	22.31	22.5	22.5	2
15	64QAM	36	0	21.30	21.41	21.37	21.5	21.5	3
15	64QAM	36	20	21.30	21.33	21.35	21.5	21.5	3
15	64QAM	72	0	21.43	21.44	21.39	21.5	21.5	3
15	256QAM	1	0	19.23	19.33	19.40	19.5	19.5	5
15	256QAM	1	37	19.43	19.32	19.35	19.5	19.5	5
15	256QAM	1	74	19.21	19.18	19.30	19.5	19.5	5
15	256QAM	36	0	19.28	19.29	19.34	19.5	19.5	5
15	256QAM	36	20	19.42	19.34	19.39	19.5	19.5	5
15	256QAM	36	39	19.22	19.23	19.19	19.5	19.5	5
15	256QAM	72	0	19.43	19.36	19.40	19.5	19.5	5
Channel									
Frequency [MHz]									
10	QPSK	1	0	24.43	24.46	24.43	24.43	24.43	0
10	QPSK	1	26	24.16	24.24	24.24	24.3	24.3	0
10	QPSK	1	49	24.33	24.37	24.22	24.5	24.5	0
10	QPSK	24	0	23.31	23.33	23.33	23.5	23.5	1
10	QPSK	24	12	23.14	23.22	23.30	23.5	23.5	1
10	QPSK	24	25	23.36	23.22	23.18	23.5	23.5	1
10	QPSK	48	0	23.38	23.33	23.30	23.5	23.5	1
10	16QAM	1	0	23.38	23.34	23.39	23.5	23.5	1
10	16QAM	1	26	23.38	23.33	23.30	23.5	23.5	1
10	16QAM	1	49	23.38	23.33	23.30	23.5	23.5	1
10	16QAM	24	0	22.35	22.31	22.28	22.5	22.5	2
10	16QAM	24	12	22.38	22.32	22.29	22.5	22.5	2
10	16QAM	24	25	22.38	22.36	22.21	22.5	22.5	2
10	16QAM	48	0	22.37	22.32	22.31	22.5	22.5	2
10	16QAM	48	12	22.32	22.32	22.30	22.5	22.5	2
10	16QAM	48	25	22.38	22.36	22.21	22.5	22.5	2
10	64QAM	48	0	21.37	21.37	21.37	21.5	21.5	3
10	64QAM	48	12	21.37	21.37	21.37	21.5	21.5	3
10	64QAM	48	25	21.37	21.37	21.37	21.5	21.5	3
10	256QAM	1	0	19.38	19.31	19.33	19.5	19.5	5
10	256QAM	1	26	19.42	19.36	19.42	19.5	19.5	5
10	256QAM	1	49	19.29	19.22	19.31	19.5	19.5	5
10	256QAM	24	0	19.28	19.18	19.42	19.37	19.38	5
10	256QAM	24	12	19.43	19.34	19.39	19.5	19.5	5
10	256QAM	24	25	19.21	19.25	19.25	19.37	19.37	5
10	256QAM	48	0	19.08	19.22	19.24	19.23	19.19	5
Channel									
Frequency [MHz]									
5	QPSK	1	0	24.37	24.35	24.36	24.35	24.35	0
5	QPSK	1	24	24.20	24.23	24.32	24.38	24.21	0
5	QPSK	1	49	24.22	24.26	24.35	24.31	24.28	0
5	QPSK	12	0	23.38	23.36	23.45	23.34	23.38	1
5	QPSK	12	6	23.14	23.31	23.35	23.38	23.14	1
5	QPSK	12	13	23.15	23.30	23.38	23.23	23.32	1
5	QPSK	24	0	23.33	23.30	23.41	23.30	23.30	1
5	16QAM	1	0	23.41	23.25	23.36	23.30	23.28	1
5	16QAM	1	12	23.20	23.21	23.30	23.29	23.29	1
5	16QAM	1	24	23.12	23.15	23.30	23.28	23.15	1
5	16QAM	12	0	22.38	22.28	22.45	22.35	22.39	1
5	16QAM	12	6	22.14	22.28	22.26	22.35	22.10	1
5	16QAM	12	13	22.28	22.11	22.39	22.34	22.23	1
5	16QAM	24	0	22.31	22.23	22.38	22.44	22.41	1
5	16QAM	24	6	22.40	22.26	22.36	22.41	22.33	1
5	16QAM	24	13	22.36	22.26	22.40	22.37	22.17	1
5	64QAM	1	24	22.13	22.19	22.24	22.18	22.27	1
5	64QAM	1	12	21.34	21.30	21.41	21.30	21.36	1
5	64QAM	12	0	21.23	21.29	21.24	21.30	21.13	1
5	64QAM	12	6	21.12	21.22	21.44	21.27	21.30	1
5	64QAM	24	0	21.33	21.18	21.33	21.30	21.32	1
5	256QAM	1	0	19.33	19.21	19.33	19.29	19.35	1
5	256QAM	1	12	19.21	19.18	19.25	19.44	19.30	1
5	256QAM	1	24	19.23	19.20	19.33	19.27	19.30	1
5	256QAM	12	0	19.25	19.24	19.41	19.37	19.29	1
5	256QAM	12	6	19.45	19.23	19.44	19.35	19.31	1
5	256QAM	12	13	19.20	19.25	19.29	19.30	19.28	1
5	256QAM	24	0	19.15	19.24	19.21	19.22	19.23	1

Band 41 Ant6 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch / Frs	Power Mid Ch / Frs	Power High Ch / Frs	Power High Total	Time offset (dBm)	MPE (dB)
Channel									
Frequency [MHz]									
20	QPSK	1	0	24.40	24.45	24.50	24.50	24.45	0
20	QPSK	1	49	24.28	24.27	24.41	24.40	24.30	0
20	QPSK	1	98	24.30	24.29	24.40	24.37	24.30	0
20	QPSK	50	0	23.42	23.43	23.48	23.45	23.44	1
20	QPSK	50	24	23.24	23.28	23.38	23.44	23.38	1
20	QPSK	50	49	23.48	23.46	23.46	23.40	23.42	1
20	16QAM	1	0	23.44	23.39	23.48	23.42	23.41	1
20	16QAM	1	49	23.23	23.30	23.41	23.34	23.38	1
20	16QAM	1	99	23.24	23.32	23.34	23.34	23.29	1
20	16QAM	50	0	22.41	22.38	22.58	22.59	22.48	1
20	16QAM	50	24	22.37	22.37	22.32	22.30	22.25	1
20	16QAM	50	49	22.33	22.25	22.42	22.41	22.31	1
20	16QAM	100	0	22.40	22.35	22.45	22.46	22.45	1
20	64QAM	1	49	22.45	22.43	22.44	22.35	22.47	1
20	64QAM	1	99	22.28	22.29	22.37	22.31	22.26	1
20	64QAM	50	0	21.41	21.41	21.41	21.41	21.41	1
20	64QAM	50	24	21.28	21.37	21.33	21.48	21.23	1
20	64QAM	50	49	21.33	21.43	21.38	21.43	21.38	1
20	64QAM	100	0	21.37	21.42	21.42	21.44	21.37	1
20	256QAM	1	49	19.28	19.34	19.45	19.40	19.41	1
20	256QAM	1	99	19.29	19.28	19.33	19.30	19.23	1
20	256QAM	50	0	19.32	19.33	19.38	19.34	19.36	1
20	256QAM	50	24	19.30	19.29	19.47	19.43	19.41	1
20	256QAM	50	49	19.34	19.32	19.37	19.33	19.33	1
20	256QAM	100	0	19.26	19.32	19.37	19.33	19.33	1
Channel									
Frequency [MHz]									
20	QPSK	1	0	24.37	24.47	24.43	24.37	24.43	0
20	QPSK	1	49	24.26	24.17	24.43	24.30	24.19	0
20	QPSK	1	98	24.18	24.16	24.33	24.30	24.19	0
20	QPSK	50	0	23.24	23.20	24.29	24.25	24.27	1
20	QPSK	50	24	23.18	23.14	23.29	23.30	23.26	1
20	QPSK	50	49	23.31	23.26	23.29	23.30	23.26	1
20	16QAM	1	0	23.39	23.36	23.37	23.36	23.33	1
20	16QAM	1	49	23.18	23.23	23.33	23.24	23.30	1
20	16QAM	1	99	23.31	23.27	23.43	23.34	23.30	1
20	16QAM	50	0	22.33	22.33	22.33	22.33	22.33	1
20	16QAM	50	24	22.18	22.27	22.28	22.24	22.21	1
20	16QAM	50	49	22.28	22.27	22.28	22.24	22.21	1
20	16QAM	100	0	22.28	22.29	22.33	22.24	22.28	1
20	64QAM	1	49	21.27	21.39	21.43	21.31	21.31	1
20	64QAM	1	99	21.15	21.20	21.34	21.37	21.18	1
20	64QAM	50	0	21.22	21.22	21.22	21.22	21.22	1
20	64QAM	50	24	21.08	21.21	21.30	21.41	21.14	1
20	256QAM	1	0	19.32	19.23	19.34	19.31	19.28	1
20	256QAM	1	49	19.25	19.25	19.37	19.31	19.28	1
20	256QAM	50	0	19.34	19.30	19.31	19.31	19.31	1
20	256QAM	50	24	19.28	19.28	19.40	19.37	19.27	1
20	256QAM	50	49	19.30	19.28	19.32	19.30	19.30	1
20	256QAM	100	0	19.22	19.28	19.32	19.30	19.19	1
20	256QAM	100	24	19.21	19.28	19.33	19.33	19.23	1
Channel									
Frequency [MHz]									
20	QPSK	1	0	24.37	24.47	24.43	24.37	24.43	0
20	QPSK	1	49	24.26	24.17	24.43	24.30	24.19	0
20	QPSK	1	98	24.18	24.24	24.28	24.31	24.18	0
20	QPSK	50	0	24.22	24.24	24.39	24.31	24.28	1
20	QPSK	50	24	24.31	24.39	24.31	24.31	24.32	1
20	QPSK	50	49	24.31	24.32	24.37	24.37	24.32	1
20	QPSK	100	0	23.14	23.22	23.30	23.41	23.14	1
20	16QAM	1	0	23.37	23.37	23.37	23.37	23.37	1
20	16QAM	1	49	23.32	23.28	23.39	23.35	23.39	1
20	16QAM	1	99	23.39	23.34	23.39	23.39	23.33	1
20	16QAM	50	0	22.38	22.34	23.39	23.30	22.44	1
20	16QAM	50	24	22.32	22.32	22.32	22.31	22.28	1
20	16QAM	50	49	22.31	22.27	23.23	23.29	22.33	1
20	16QAM	100	0	22.28	22.32	22.30	22.33	22.44	1
20	64QAM	1	49	21.22	21.22	21.33	21.43	21.22	1
20	64QAM	1	99	21.23	21.34	21.48	21.25	21.33	1
20	64QAM	50	0	21.17	21.34	21.31	21.42	21.16	1
20	64QAM	50	24	21.32	21.35	21.43	21.43	21.30	1
20	64QAM	50	49	21.31	21.27	21.37	21.41	21.36	1
20	256QAM	1	49	19.38	19.31	19.33	19.33	19.37	1
20	256QAM	1	99	19.29	19.29	19.41	19.36	19.29	1
20	256QAM	50	0	19.29	19.27	19.31	19.27	19.30	1
20	256QAM	50	24	19.32	19.33	19.43	19.37	19.31	1
20	256QAM	50	49	19.28	19.25	19.28	19.28	19.18	1
20	256QAM	100	0	19.25	19.28	19.28	19.28	19.18	1
Channel									
Frequency [MHz]									
20	QPSK	1	0	24.37	24.47	24.43	24.37	24.43	0
20	QPSK	1	49	24.26	24.17	24.43	24.30	24.19	0
20	QPSK	1	98	24.20	24.23	24.32	24.28	24.21	0
20	QPSK	50	0	24.31	24.31	24.39	24.38	24.23	1
20	QPSK	50	24	24.33	24.39	24.31	24.31	24.30	1
20	QPSK	50	49	24.34	24.31	24.35	24.38	24.14	1
20	16QAM	1	0	23.33	23.25	23.43	23.35	23.32	1
20	16QAM	1	49	23.31	23.25	23.38	23.30	23.28	1
20	16QAM	1	99	23.32	23.21	23.38	23.33	23.27	1
20	16QAM	50	0	22.33	22.18	23.30	23.28	23.15	1
20	16QAM	50	24	22.38	22.28	22.40	22.33	22.29	1
20	16QAM	50	49	22.31	22.22	22.38	22.33	22.27	1
20	16QAM	100	0	22.28	22.13	22.39	22.24	22.23	1
20	64QAM	1	49	21.23	21.23	21.33	21.33	21.27	1
20	64QAM	1	99	21.24	21.26	21.40	21.30	21.27	1
20	64QAM	50	0	21.32	21.29	21.31	21.37	21.13	1
20	64QAM	50	24	21.33	21.33	21.33	21.33	21.30	1
20	256QAM	1	49	19.27	19.19	19.25	19.44	19.20	1
20	256QAM	1	99	19.40	19.33	19.44	19.28	19.31	1
20	256QAM	50	0	19.20	19.25	19.29	19.20	19.28	1
20	256QAM	50	24	19.24	19.24	19.24	19.24	19.24	1
20	256QAM	50	49	19.24	19.24	19.24	19.24	19.24	1
20	256QAM	100	0	19.24	19.24	19.24	19.24	19.24	1

Band 4 Ant7 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Time-up (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.29	22.46	22.35			
20	QPSK	1	48	22.27	22.42	22.32			
20	QPSK	1	96	22.24	22.40	22.31	23.9	0	
20	QPSK	50	0	21.40	21.45	21.40			
20	QPSK	50	24	21.25	21.45	21.33			
20	QPSK	50	50	21.36	21.38	21.25	22.9	1	
20	16QAM	1	0	21.41	21.43	21.40			
20	16QAM	1	48	21.40	21.43	21.37			
20	16QAM	1	96	21.31	21.35	21.27	22.9	1	
20	16QAM	50	0	20.30	20.41	20.42			
20	16QAM	50	24	20.21	20.47	20.36	21.9	2	
20	16QAM	50	50	20.41	20.40	20.24			
20	16QAM	100	0	20.42	20.45	20.28			
20	16QAM	1	0	20.38	20.47	20.41	21.9	2	
20	16QAM	1	48	20.32	20.45	20.24			
20	16QAM	1	96	20.33	20.36	20.31			
20	16QAM	50	0	19.36	19.47	19.45			
20	16QAM	50	24	18.41	18.44	18.38	20.9	3	
20	16QAM	50	50	19.37	19.43	19.24			
20	256QAM	1	0	17.38	17.43	17.42			
20	256QAM	1	48	17.35	17.49	17.34	18.9	5	
20	256QAM	1	96	17.32	17.38	17.20			
20	256QAM	50	0	17.24	17.35	17.25			
20	256QAM	50	24	17.38	17.48	17.40	18.9	5	
20	256QAM	50	50	17.26	17.38	17.27			
20	256QAM	100	0	17.24	17.35	17.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.28	22.33	22.22			
15	QPSK	1	8	22.17	22.33	22.15	23.9	0	
15	QPSK	1	96	22.29	22.36	22.20			
15	QPSK	36	0	21.33	21.41	21.31			
15	QPSK	36	20	21.14	21.38	21.23	22.9	1	
15	QPSK	36	36	21.29	21.34	21.21			
15	QPSK	75	0	21.31	21.34	21.26			
15	16QAM	1	0	21.36	21.39	21.38			
15	16QAM	1	37	21.24	21.28	21.25	22.9	1	
15	16QAM	1	74	21.27	21.32	21.26			
15	16QAM	36	0	20.29	20.39	20.28			
15	16QAM	36	20	20.13	20.43	20.27	21.9	2	
15	16QAM	36	36	20.38	20.33	20.15			
15	16QAM	75	0	20.38	20.33	20.15			
15	16QAM	1	0	20.31	20.41	20.35	21.9	2	
15	16QAM	1	37	20.35	20.42	20.35			
15	16QAM	1	74	20.22	20.37	20.20			
15	16QAM	36	0	19.30	19.35	19.20			
15	16QAM	36	20	19.14	19.32	19.14	20.9	3	
15	16QAM	36	36	19.25	19.35	19.14			
15	16QAM	75	0	19.28	19.48	19.13			
15	256QAM	1	0	17.32	17.45	17.36			
15	256QAM	1	37	17.17	17.45	17.24	18.9	5	
15	256QAM	1	74	17.28	17.33	17.06			
15	256QAM	36	0	17.24	17.35	17.21			
15	256QAM	36	20	17.32	17.40	17.28	18.9	5	
15	256QAM	36	36	17.13	17.27	17.25			
15	256QAM	75	0	17.24	17.35	17.25			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.17	22.18	22.14			
10	QPSK	1	25	21.82	21.93	21.82	23.4	0	
10	QPSK	1	40	21.74	21.88	21.77			
10	QPSK	36	0	20.85	21.01	20.82			
10	QPSK	36	20	20.77	20.86	20.73	22.4	1	
10	QPSK	36	36	20.84	20.91	20.82			
10	QPSK	75	0	20.82	20.95	20.91			
10	16QAM	1	0	20.90	20.99	20.91			
10	16QAM	1	37	20.79	20.95	20.79	22.4	1	
10	16QAM	1	40	20.76	20.96	20.74			
10	16QAM	36	0	19.91	20.00	19.82			
10	16QAM	36	20	19.69	19.97	19.84	21.4	2	
10	16QAM	36	36	19.82	19.90	19.79			
10	16QAM	75	0	19.79	19.93	19.91			
10	16QAM	1	0	19.88	19.95	19.80	21.4	2	
10	16QAM	1	37	19.74	19.98	19.74			
10	16QAM	1	74	19.77	19.87	19.75			
10	16QAM	36	0	18.82	19.03	18.88			
10	16QAM	36	20	18.66	18.96	18.74	20.4	3	
10	16QAM	36	36	19.05	19.09	18.75			
10	16QAM	75	0	18.87	18.94	18.84			
10	256QAM	1	0	16.82	17.02	16.96			
10	256QAM	1	37	16.77	16.89	16.92	18.4	5	
10	256QAM	1	74	16.88	16.88	16.83			
10	256QAM	36	0	16.79	16.90	16.85			
10	256QAM	36	20	16.80	16.91	16.82	18.4	5	
10	256QAM	36	36	16.71	16.85	16.77			
10	256QAM	75	0	16.72	16.85	16.79			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.15	22.20	22.15			
5	QPSK	1	8	22.24	22.32	22.21			
5	QPSK	1	14	22.26	22.29	22.20	23.9	0	
5	QPSK	8	0	21.28	21.43	21.28			
5	QPSK	8	4	21.17	21.41	21.27	22.9	1	
5	QPSK	8	7	21.23	21.34	21.21			
5	QPSK	15	0	21.33	21.39	21.28			
5	16QAM	1	0	21.32	21.34	21.28	22.9	1	
5	16QAM	1	8	21.21	21.31	21.15			
5	16QAM	1	14	21.23	21.32	21.14			
5	16QAM	8	0	20.35	20.37	20.30	21.9	2	
5	16QAM	8	4	20.11	20.42	20.30			
5	16QAM	8	7	20.35	20.36	20.14			
5	16QAM	15	0	20.39	20.41	20.16			
5	16QAM	1	0	20.34	20.34	20.30	21.9	2	
5	16QAM	1	20.24	20.30	20.20				
5	16QAM	1	14	20.28	20.27	20.17			
5	16QAM	8	0	19.33	19.36	19.33	20.9	3	
5	16QAM	8	7	19.27	19.33	19.15			
5	256QAM	1	0	17.30	17.41	17.40			
5	256QAM	1	8	17.23	17.40	17.31	18.9	5	
5	256QAM	1	14	17.21	17.29	17.16			
5	256QAM	8	0	17.22	17.40	17.30			
5	256QAM	8	4	17.38	17.42	17.32	18.9	5	
5	256QAM	8	7	17.16	17.31	17.16			
5	256QAM	15	0	17.18	17.21	17.31			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.29	22.35	22.29			
1.4	QPSK	1	3	22.22	22.30	22.19	23.9	0	
1.4	QPSK	1	0	22.24	22.29	22.27			
1.4	QPSK	3	0	22.16	22.30	22.27			
1.4	QPSK	3	1	22.10					

Band 38 Ant7 Default												
RF [MHz]	Modem on	RF Size	RF Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-on time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.38	22.44	22.39	23.6	0				
20	QPSK	1	48	22.31	22.40	22.34						
20	QPSK	1	96	22.31	22.39	22.28						
20	QPSK	50	0	21.41	21.48	21.42	22.6	1				
20	QPSK	50	24	21.35	21.44	21.38						
20	QPSK	50	50	21.30	21.33	21.23						
20	QPSK	100	0	21.43	21.48	21.34	22.6	1				
20	16QAM	1	0	21.34	21.44	21.38						
20	16QAM	1	48	21.28	21.43	21.37						
20	16QAM	1	96	21.25	21.38	21.26	21.6	2				
20	16QAM	50	0	20.45	20.44	20.40						
20	16QAM	50	24	20.35	20.39	20.36						
20	16QAM	100	0	20.45	20.43	20.33	21.6	2				
20	16QAM	100	0	20.29	20.42	20.30						
20	16QAM	1	48	20.31	20.46	20.36						
20	16QAM	1	96	20.28	20.35	20.22	20.6	3				
20	16QAM	50	0	19.38	19.51	19.39						
20	16QAM	50	24	19.38	19.43	19.44						
20	16QAM	50	50	19.26	19.29	19.28	18.6	5				
20	16QAM	100	0	19.46	19.41	19.32						
20	256QAM	1	0	17.44	17.48	17.38						
20	256QAM	1	48	17.34	17.44	17.35	18.6	5				
20	256QAM	50	0	17.32	17.35	17.25						
20	256QAM	50	0	17.47	17.44	17.39						
20	256QAM	50	24	17.30	17.44	17.37	21.6	2				
20	256QAM	50	50	17.26	17.47	17.38						
20	256QAM	100	0	17.21	17.42	17.27						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.37	22.46	22.37	23.6	0				
15	QPSK	1	96	22.30	22.42	22.33						
15	QPSK	1	74	22.25	22.32	22.15						
15	QPSK	36	0	21.30	21.48	21.39	22.6	1				
15	QPSK	36	24	21.25	21.37	21.26						
15	QPSK	36	96	21.17	21.25	21.17						
15	QPSK	75	0	21.39	21.41	21.25	22.6	1				
15	16QAM	1	0	21.22	21.32	21.26						
15	16QAM	1	37	21.23	21.35	21.23						
15	16QAM	1	74	21.13	21.25	21.23	21.6	2				
15	16QAM	36	0	20.33	20.37	20.35						
15	16QAM	36	20	20.23	20.30	20.30						
15	16QAM	36	96	20.22	20.30	20.26	21.6	2				
15	16QAM	75	0	20.38	20.34	20.21						
15	16QAM	75	0	20.17	20.40	20.30						
15	16QAM	1	0	20.21	20.25	20.12	20.6	3				
15	16QAM	36	0	19.31	19.41	19.26						
15	16QAM	36	96	19.26	19.31	19.31						
15	16QAM	36	96	19.18	19.15	19.17	18.6	5				
15	256QAM	1	0	19.42	19.33	19.27						
15	256QAM	1	0	17.33	17.36	17.15						
15	256QAM	1	37	17.30	17.41	17.28	18.6	5				
15	256QAM	1	74	17.20	17.31	17.13						
15	256QAM	36	0	17.42	17.32	17.32						
15	256QAM	36	20	17.28	17.35	17.34	18.6	5				
15	256QAM	36	96	17.20	17.30	17.20						
15	256QAM	75	0	17.16	17.40	17.23						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.31	22.40	22.30	23.6	0				
10	QPSK	1	25	22.20	22.33	22.29						
10	QPSK	1	24	22.25	22.32	22.19						
10	QPSK	25	0	21.37	21.40	21.30	22.6	1				
10	QPSK	25	12	21.25	21.34	21.34						
10	QPSK	25	24	21.18	21.26	21.20						
10	QPSK	50	0	21.33	21.44	21.26	22.6	1				
10	16QAM	1	0	21.22	21.34	21.28						
10	16QAM	1	24	21.21	21.33	21.24						
10	16QAM	1	48	21.19	21.24	21.15	21.6	2				
10	16QAM	25	0	20.37	20.37	20.35						
10	16QAM	25	12	20.33	20.39	20.29						
10	16QAM	25	25	20.32	20.25	20.11	21.6	2				
10	16QAM	50	0	20.31	20.34	20.16						
10	16QAM	1	0	20.18	20.37	20.28						
10	16QAM	1	25	20.25	20.37	20.23	20.6	3				
10	16QAM	1	48	20.19	20.18	20.14						
10	16QAM	25	0	19.23	19.40	19.26						
10	16QAM	25	12	19.38	19.35	19.34	18.6	5				
10	16QAM	25	25	19.19	19.25	19.15						
10	16QAM	50	0	19.35	19.37	19.25						
10	256QAM	1	0	17.24	17.25	17.25	18.6	5				
10	256QAM	1	25	17.22	17.36	17.27						
10	256QAM	1	48	17.27	17.30	17.25						
10	256QAM	25	0	17.30	17.30	17.26	18.6	5				
10	256QAM	25	12	17.24	17.31	17.24						
10	256QAM	25	25	17.16	17.45	17.22						
10	256QAM	50	0	17.12	17.31	17.18						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.35	22.30	22.34	23.6	0				
5	QPSK	1	12	22.20	22.31	22.25						
5	QPSK	1	24	22.26	22.26	22.21						
5	QPSK	12	0	21.27	21.42	21.29	22.6	1				
5	QPSK	12	7	21.31	21.31	21.36						
5	QPSK	12	13	21.30	21.27	21.12						
5	QPSK	25	0	21.34	21.42	21.24	22.6	1				
5	16QAM	1	0	21.22	21.39	21.29						
5	16QAM	1	12	21.25	21.35	21.24						
5	16QAM	1	24	21.14	21.31	21.24	21.6	2				
5	16QAM	12	0	20.32	20.32	20.31						
5	16QAM	12	7	20.32	20.29	20.28						
5	16QAM	12	13	20.30	20.31	20.13	21.6	2				
5	16QAM	25	0	20.24	20.29	20.26						
5	16QAM	1	12	20.20	20.43	20.31						
5	16QAM	25	24	20.15	20.29	20.16	20.6	3				
5	16QAM	12	0	19.25	19.42	19.29						
5	16QAM	12	7	19.35	19.31	19.39						
5	16QAM	12	13	19.23	19.23	19.22	18.6	5				
5	16QAM	25	0	19.44	19.33	19.27						
5	16QAM	25	24	19.27	19.38	19.28						
5	256QAM	1	0	17.28	17.35	17.33	18.6	5				
5	256QAM	1	12	17.30	17.31	17.25						
5	256QAM	1	24	17.20	17.28	17.08						
5	256QAM	12	0	17.41	17.41	17.27	18.6	5				
5	256QAM	12	7	17.24								

Band 42 Ant10 Default									
RF [MHz]	Modulat ion	RB Bw	RB Offs	Power Lvl Ch / Freq	Power Mdn Ch / Freq	Power Hgh Ch / Freq	Total pwr (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.52	23.52	23.48		24.7	0
20	QPSK	1	40	23.50	23.52	23.43			
20	QPSK	1	80	23.48	23.50	23.45			
20	QPSK	50	0	22.50	22.50	22.53			
20	QPSK	50	24	22.37	22.51	22.45		23.7	1
20	QPSK	100	0	22.48	22.52	22.54			
20	HQAM	1	0	22.65	22.53	22.52		23.7	1
20	HQAM	1	40	22.61	22.53	22.45			
20	HQAM	1	80	22.45	22.54	22.42			
20	HQAM	50	0	21.90	21.57	21.98		22.7	2
20	HQAM	50	24	21.41	21.45	21.48			
20	HQAM	50	50	21.66	21.53	21.40			
20	HQAM	100	0	21.46	21.52	21.52			
20	SQAM	1	0	21.25	21.48	21.25			
20	SQAM	1	40	21.41	21.55	21.48		22.7	2
20	SQAM	1	80	21.41	21.60	21.38			
20	SQAM	50	0	20.51	20.64	20.54			
20	SQAM	50	24	20.38	20.58	20.40		21.7	3
20	SQAM	50	50	20.40	20.51	20.44			
20	SQAM	100	0	20.50	20.53	20.51			
20	SSQAM	1	0	18.67	18.64	18.60			
20	SSQAM	1	40	18.42	18.48	18.35		19.7	5
20	SSQAM	1	80	18.57	18.55	18.46			
20	SSQAM	50	0	18.48	18.56	18.48			
20	SSQAM	50	24	18.50	18.50	18.54		19.7	5
20	SSQAM	50	50	18.48	18.50	18.43			
20	SSQAM	100	0	18.40	18.57	18.47			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.41	23.52	23.42			
15	QPSK	1	37	23.20	23.48	23.34		24.7	0
15	QPSK	1	74	23.36	23.45	23.37			
15	QPSK	36	0	22.52	22.52	22.50			
15	QPSK	36	20	22.30	22.44	22.42		23.7	1
15	QPSK	36	39	22.47	22.45	22.31			
15	QPSK	74	0	22.39	22.47	22.47			
15	HQAM	1	0	22.51	22.42	22.46		23.7	1
15	HQAM	1	37	22.38	22.41	22.41			
15	HQAM	1	74	22.52	22.45	22.38			
15	HQAM	36	0	21.43	21.52	21.52			
15	HQAM	36	20	21.30	21.54	21.37		22.7	2
15	HQAM	36	39	21.48	21.45	21.53			
15	HQAM	75	0	21.36	21.42	21.55			
15	SQAM	1	0	21.40	21.40	21.41		23.7	2
15	SQAM	1	37	21.31	21.52	21.41			
15	SQAM	1	74	21.35	21.56	21.35			
15	SQAM	36	0	20.46	20.56	20.47			
15	SQAM	36	20	20.20	20.53	20.38		21.7	3
15	SQAM	36	39	20.42	20.45	20.24			
15	SQAM	75	0	20.46	20.45	20.44			
15	SSQAM	1	0	18.52	18.54	18.46		19.7	5
15	SSQAM	1	37	18.20	18.55	18.27			
15	SSQAM	1	74	18.44	18.51	18.43			
15	SSQAM	36	0	18.37	18.50	18.41			
15	SSQAM	36	20	18.51	18.50	18.48		19.7	5
15	SSQAM	36	39	18.44	18.41	18.35			
15	SSQAM	75	0	18.28	18.43	18.42			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.49	23.48	23.42			
10	QPSK	1	25	23.27	23.39	23.37		24.7	0
10	QPSK	1	40	23.35	23.38	23.39			
10	QPSK	25	0	22.42	22.53	22.39			
10	QPSK	25	12	22.27	22.40	22.41		23.7	1
10	QPSK	25	25	22.48	22.41	22.33			
10	QPSK	50	0	22.39	22.53	22.46			
10	HQAM	1	0	22.40	22.41	22.35		23.7	1
10	HQAM	1	25	22.39	22.42	22.43			
10	HQAM	1	40	22.34	22.51	22.38			
10	HQAM	25	0	21.97	21.47	21.47		22.7	2
10	HQAM	25	12	21.32	21.32	21.38			
10	HQAM	25	25	21.43	21.51	21.54			
10	HQAM	50	0	21.33	21.46	21.51			
10	SQAM	1	0	21.40	21.40	21.41		22.7	2
10	SQAM	1	25	21.39	21.45	21.33			
10	SQAM	1	40	21.30	21.58	21.34			
10	SQAM	25	0	20.20	20.51	20.47		21.7	3
10	SQAM	25	12	20.51	20.47	20.34			
10	SQAM	25	25	20.41	20.37	20.51			
10	SQAM	50	0	20.43	20.50	20.44			
10	SSQAM	1	0	18.52	18.60	18.38		19.7	5
10	SSQAM	1	25	18.32	18.47	18.26			
10	SSQAM	1	40	18.50	18.42	18.35			
10	SSQAM	25	0	18.37	18.51	18.46		19.7	5
10	SSQAM	25	12	18.55	18.38	18.51			
10	SSQAM	25	25	18.45	18.44	18.30			
10	SSQAM	50	0	18.50	18.45	18.36			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.50	23.51	23.36			
5	QPSK	1	12	23.20	23.40	23.34		24.7	0
5	QPSK	1	24	23.40	23.38	23.37			
5	QPSK	12	0	22.44	22.45	22.44			
5	QPSK	12	7	22.35	22.45	22.45		23.7	1
5	QPSK	12	13	22.46	22.38	22.52			
5	QPSK	25	0	22.37	22.50	22.48			
5	HQAM	1	0	22.40	22.40	22.40		23.7	1
5	HQAM	1	12	22.31	22.48	22.40			
5	HQAM	1	24	22.40	22.46	22.30			
5	HQAM	12	0	21.49	21.54	21.52			
5	HQAM	12	7	21.37	21.40	21.35		22.7	2
5	HQAM	12	13	21.44	21.46	21.33			
5	HQAM	25	0	21.40	21.48	21.45			
5	SQAM	1	0	21.44	21.41	21.49		22.7	2
5	SQAM	1	12	21.32	21.51	21.45			
5	SQAM	1	24	21.31	21.87	21.25			
5	SQAM	12	0	20.40	20.61	20.48		21.7	3
5	SQAM	12	7	20.31	20.46	20.36			
5	SQAM	12	13	20.34	20.44	20.31			
5	SSQAM	1	0	20.38	20.48	20.45		19.7	5
5	SSQAM	1	12	18.50	18.41	18.28			
5	SSQAM	1	24	18.52	18.53	18.40			
5	SSQAM	12	0	18.38	18.49	18.44			
5	SSQAM	12	7	18.55	18.45	18.47		19.7	5
5	SSQAM	12	13	18.33	18.38	18.35			
5	SSQAM	25	0	18.20	18.53	18.36			

Reduced Power Mode for DSH_Other PA

Band 4 Ant5 DSI 1											Band 7 Ant5 DSI 1										
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20065	Power Mode Ch. Freq. 20175	Power High Ch. Freq. 20300	Turn-up time (dB)	Tot. up time (dB)	MPR (dB)		RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 20065	Power Mode Ch. Freq. 20175	Power High Ch. Freq. 20300	Turn-up time (dB)	Tot. up time (dB)	MPR (dB)	
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
20	QPSK	1	0	16.72	16.73	16.74					20	QPSK	1	0	14.31	14.45	14.24				
20	QPSK	1	49	16.72	16.78	16.79	17.7	0			20	QPSK	1	49	14.27	14.29	14.29	19.3	0		
20	QPSK	1	99	16.76	16.80	16.76					20	QPSK	1	99	14.30	14.27	14.27				
20	QPSK	50	0	16.74	16.83	16.76					20	QPSK	50	0	14.28	14.30	14.29				
20	QPSK	50	24	16.78	16.79	16.73	17.7	0			20	QPSK	50	24	14.32	14.30	14.30	19.3	0		
20	QPSK	50	50	16.88	16.82	16.79					20	QPSK	50	50	14.31	14.28	14.28				
20	QPSK	100	0	16.74	16.81	16.71					20	QPSK	100	0	14.33	14.30	14.23				
20	16QAM	1	0	16.69	16.80	16.80					20	16QAM	1	0	14.28	14.37	14.29				
20	16QAM	1	49	16.78	16.72	16.79	17.7	0			20	16QAM	1	49	14.31	14.27	14.27	19.3	0		
20	16QAM	1	99	16.73	16.74	16.74					20	16QAM	1	99	14.28	14.27	14.25				
20	16QAM	50	0	16.72	16.74	16.71					20	16QAM	50	0	14.31	14.29	14.29				
20	16QAM	50	24	16.78	16.77	16.77	17.7	0			20	16QAM	50	24	14.31	14.28	14.34	19.3	0		
20	16QAM	50	50	16.77	16.74	16.74					20	16QAM	50	50	14.35	14.30	14.25				
20	16QAM	100	0	16.71	16.70	16.71					20	16QAM	100	0	14.28	14.31	14.30				
20	16QAM	1	0	16.77	16.81	16.74					20	16QAM	1	49	14.27	14.32	14.31	19.3	0		
20	16QAM	1	99	16.76	16.71	16.68					20	16QAM	1	99	14.28	14.34	14.27				
20	16QAM	50	0	16.77	16.81	16.75					20	16QAM	50	0	14.30	14.32	14.33				
20	16QAM	50	24	16.68	16.71	16.75	17.7	0			20	16QAM	50	24	14.36	14.34	14.31	19.3	0		
20	16QAM	100	0	16.78	16.71	16.76					20	16QAM	100	0	14.29	14.35	14.24				
20	256QAM	1	0	16.72	16.77	16.69					20	256QAM	1	0	14.30	14.34	14.30				
20	256QAM	1	49	16.77	16.74	16.69	17.7	0			20	256QAM	1	49	14.31	14.31	14.32	19.3	0		
20	256QAM	1	99	16.78	16.79	16.77					20	256QAM	1	99	14.35	14.28	14.32				
20	256QAM	50	0	16.69	16.75	16.73					20	256QAM	50	0	14.32	14.32	14.23				
20	256QAM	50	24	16.68	16.79	16.78	17.7	0			20	256QAM	50	24	14.36	14.30	14.37	19.3	0		
20	256QAM	50	50	16.74	16.72	16.74					20	256QAM	50	50	14.37	14.34	14.34	19.3	0		
20	256QAM	100	0	16.73	16.81	16.75					20	256QAM	100	0	14.33	14.38	14.29				
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
15	QPSK	1	0	16.17	16.19	16.14					15	QPSK	1	0	14.24	14.28	14.09				
15	QPSK	1	37	16.81	16.86	16.84	17.7	0			15	QPSK	1	37	14.25	14.24	14.21				
15	QPSK	1	74	16.87	16.84	16.69					15	QPSK	1	74	14.31	14.23	14.18				
15	QPSK	36	0	16.83	16.83	16.83					15	QPSK	36	0	14.24	14.14	14.17				
15	QPSK	36	20	16.69	16.87	16.83	17.7	0			15	QPSK	36	20	14.25	14.24	14.23	19.3	0		
15	QPSK	36	36	16.68	16.77	16.69					15	QPSK	36	36	14.31	14.31	14.23				
15	QPSK	75	0	16.85	16.78	16.85					15	QPSK	75	0	14.24	14.24	14.11				
15	16QAM	1	0	16.83	16.85	16.76					15	16QAM	1	0	14.17	14.17	14.22	19.3	0		
15	16QAM	1	37	16.68	16.87	16.73	17.7	0			15	16QAM	1	37	14.19	14.12	14.14				
15	16QAM	1	74	16.80	16.85	16.82					15	16QAM	1	74	14.26	14.28	14.30				
15	16QAM	36	0	16.81	16.83	16.58					15	16QAM	36	0	14.25	14.28	14.30	19.3	0		
15	16QAM	36	20	16.85	16.84	16.83	17.7	0			15	16QAM	36	20	14.21	14.15	14.22				
15	16QAM	36	36	16.70	16.83	16.59					15	16QAM	36	36	14.28	14.17	14.13				
15	16QAM	75	0	16.58	16.59	16.58					15	16QAM	75	0	14.22	14.28	14.18				
15	16QAM	1	0	16.70	16.88	16.89					15	16QAM	1	49	14.16	14.23	14.26	19.3	0		
15	16QAM	1	37	16.84	16.72	16.71	17.7	0			15	16QAM	1	49	14.17	14.23	14.11				
15	16QAM	1	74	16.66	16.66	16.59					15	16QAM	1	74	14.22	14.19	14.26				
15	16QAM	36	0	16.86	16.70	16.86					15	16QAM	36	0	14.22	14.19	14.26	19.3	0		
15	16QAM	36	20	16.58	16.84	16.85	17.7	0			15	16QAM	36	20	14.18	14.19	14.18				
15	16QAM	36	36	16.80	16.82	16.54					15	16QAM	36	36	14.18	14.19	14.18				
15	16QAM	75	0	16.85	16.85	16.84					15	16QAM	75	0	14.22	14.19	14.08				
15	256QAM	1	0	16.87	16.89	16.82					15	256QAM	1	0	14.17	14.17	14.28	19.3	0		
15	256QAM	1	37	16.71	16.84	16.57	17.7	0			15	256QAM	1	37	14.20	14.18	14.18				
15	256QAM	1	74	16.72	16.72	16.72					15	256QAM	1	74	14.21	14.15	14.25				
15	256QAM	36	0	16.57	16.70	16.68					15	256QAM	36	0	14.22	14.17	14.17	19.3	0		
15	256QAM	36	20	16.54	16.75	16.68	17.7	0			15	256QAM	36	20	14.18	14.26	14.18				
15	256QAM	36	36	16.64	16.67	16.67					15	256QAM	36	36	14.17	14.17	14.17				
15	256QAM	75	0	16.68	16.67	16.66					15	256QAM	75	0	14.20	14.23	14.13	19.3	0		
15	256QAM	75	0	16.68	16.67	16.66					15	256QAM	75	0	14.25	14.25	14.23				
Channel											Channel										
Frequency (MHz)											Frequency (MHz)										
10	QPSK	1	0	16.81	16.78	16.70					10	QPSK	1	0	14.36	14.32	14.09				
10	QPSK	1	25	16.85	16.70	16.72	17.7	0			10	QPSK	1	25	14.37	14.32	14.18	19.3	0		
10	QPSK	1	49	16.83	16.84	16.89					10	QPSK	1	49	14.18	14.23	14.09				
10	QPSK	25	0	16.84	16.89	16.82					10	QPSK	25	0	14.18	14.20	14.17				
10	QPSK	25	12	16.69	16.62	16.59	17.7	0			10	QPSK	25	12	14.19	14.18	14.18				
10	QPSK	25	25	16.84	16.72	16.80					10	QPSK	25	25	14.31	14.28	14.25				
10	QPSK	50	0	16.83	16.78	16.69					10	QPSK	50	0	14.19	14.28	14.16				
10	16QAM	1	0	16.55	16.76	16.76					10	16QAM	1	0	14.12	14.32	14.14				
10	16QAM	1	25	16.70	16.84	16.88	17.7	0			10	16QAM	1	25	14.14	14.18	14.24	19.3	0		
10	16QAM	1	49	16.59	16.81	16.85					10	16QAM	1	49	14.28	14.23	14.20				
10	16QAM	25	0	16.81	16.87	16.87					10	16QAM	25	0	14.28	14.23	14.20				
10	16QAM	25	12	16.84	16.87	16.71	17.7	0			10	16QAM	25	12	14.18	14.21	14.16				
10	16QAM	25	25	16.70	16.80	16.58					10	16QAM	25	25	14.26	14.24	14.16	19.3	0		
10	16QAM	50	0	16.68	16.60	16.59					10	16QAM	50	0	14.18	14.19	14.19				
10	16QAM	1	0	16.68	16.79	16.79					10	16QAM	1	49	14.17	14.23	14.11				
10	16QAM	1	25	16.82	16.73	16.87	17.7	0			10	16QAM	1	49	14.22	14.23	14.26				
10	16QAM	1	49	16.82	16.65	16.83					10	16QAM	1	99	14.17	14.23	14.20	19.3	0		
10	16QAM	25	0	16.73	16.68	16.70	17.7	0			10	16QAM	25	12	14.24	14.28	14.16				
10	16QAM	25	12	16.82	16.59	16.85					10	16QAM	25	25	14.22	14.26	14.18				

Band 38 Ant5 DSI 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MPE [dB]		
Channel										
Frequency [MHz]				37850	38000	38150				
				2580	2595	2610				
20	QPSK	1	0	15.87	15.92	15.91				
20	QPSK	1	49	15.91	15.93	15.89			17	0
20	QPSK	50	0	15.94	15.96	15.86				
20	QPSK	50	24	15.90	15.93	15.85				
20	QPSK	50	50	15.88	15.95	15.84			17	0
20	QPSK	100	0	15.94	16.00	15.90				
20	16QAM	1	0	15.87	15.91	15.88				
20	16QAM	1	49	15.85	16.04	15.93			17	0
20	16QAM	1	99	15.97	16.03	15.84				
20	16QAM	50	0	15.91	16.03	15.90				
20	16QAM	50	24	15.92	16.02	15.94				
20	16QAM	50	50	15.87	15.94	15.93			17	0
20	16QAM	100	0	15.91	16.01	15.87				
20	64QAM	1	0	15.87	16.01	15.88				
20	64QAM	1	49	15.94	15.95	15.91			17	0
20	64QAM	1	99	15.97	16.03	15.85				
20	64QAM	50	0	15.85	15.97	15.90				
20	64QAM	50	24	15.88	16.02	15.85				
20	64QAM	50	50	15.92	16.04	15.86			17	0
20	64QAM	100	0	15.94	15.99	15.91				
20	256QAM	1	0	15.91	16.02	15.92				
20	256QAM	1	49	15.92	16.02	15.86				
20	256QAM	1	99	15.97	16.07	15.92			17	0
20	256QAM	50	0	15.88	16.01	15.87				
20	256QAM	50	24	15.97	15.96	15.89				
20	256QAM	50	50	15.94	15.98	15.92			17	0
20	256QAM	100	0	15.88	15.98	15.86				
Channel										
Frequency [MHz]				2677.5	2695	2612.5			MPE [dB]	
15	QPSK	1	0	15.72	15.92	15.75				
15	QPSK	1	37	15.80	15.84	15.73				
15	QPSK	1	74	15.76	15.86	15.78				
15	QPSK	36	0	15.79	15.80	15.80				
15	QPSK	36	39	15.77	15.81	15.82				
15	QPSK	75	0	15.87	15.96	15.86				
15	16QAM	1	0	15.76	15.90	15.80				
15	16QAM	1	37	15.72	15.95	15.81			17	0
15	16QAM	1	74	15.84	15.93	15.77				
15	16QAM	36	0	15.81	15.84	15.85				
15	16QAM	36	20	15.82	15.87	15.87			17	0
15	16QAM	36	39	15.75	15.84	15.80				
15	16QAM	75	0	15.83	15.87	15.79				
15	64QAM	1	0	15.76	15.93	15.79				
15	64QAM	1	37	15.86	15.84	15.76			17	0
15	64QAM	1	74	15.88	15.96	15.80				
15	64QAM	36	0	15.71	15.87	15.80				
15	64QAM	36	20	15.78	15.95	15.75			17	0
15	64QAM	36	39	15.81	15.82	15.89				
15	64QAM	75	0	15.84	15.93	15.81				
15	256QAM	1	0	15.77	15.90	15.88				
15	256QAM	1	37	15.83	15.94	15.81			17	0
15	256QAM	1	74	15.86	15.89	15.88				
15	256QAM	36	0	15.80	15.91	15.75				
15	256QAM	36	20	15.82	15.90	15.80			17	0
15	256QAM	36	39	15.85	15.87	15.80				
15	256QAM	75	0	15.76	15.83	15.73				
Channel										
Frequency [MHz]				37800	38000	38200			MPE [dB]	
				2668	2695	3720				
10	QPSK	1	0	15.72	15.94	15.76				
10	QPSK	1	25	15.80	15.88	15.79			17	0
10	QPSK	1	49	15.79	15.92	15.72				
10	QPSK	25	0	15.78	15.82	15.71				
10	QPSK	25	12	15.80	15.86	15.76			17	0
10	QPSK	25	25	15.82	15.86	15.83				
10	QPSK	50	0	15.89	15.84	15.78				
10	16QAM	1	0	15.81	15.90	15.83				
10	16QAM	1	25	15.87	15.94	15.86			17	0
10	16QAM	1	49	15.92	15.91	15.71				
10	16QAM	25	0	15.80	15.91	15.78				
10	16QAM	25	12	15.76	15.88	15.81			17	0
10	16QAM	25	25	15.77	15.82	15.88				
10	16QAM	50	0	15.87	15.97	15.78				
10	64QAM	1	0	15.83	15.86	15.82				
10	64QAM	1	25	15.89	15.89	15.81			17	0
10	64QAM	1	49	15.90	15.88	15.73				
10	64QAM	25	0	15.87	15.98	15.74				
10	64QAM	25	12	15.82	15.96	15.76			17	0
10	64QAM	25	25	15.85	15.94	15.71				
10	64QAM	50	0	15.87	15.93	15.78				
10	256QAM	1	0	15.80	15.88	15.78				
10	256QAM	1	25	15.83	15.96	15.80			17	0
10	256QAM	1	49	15.91	15.88	15.86				
10	256QAM	25	0	15.72	15.94	15.83				
10	256QAM	25	12	15.84	15.82	15.81			17	0
10	256QAM	25	25	15.80	15.88	15.76				
10	256QAM	50	0	15.76	15.88	15.73				
Channel										
Frequency [MHz]				37775	38000	38225			MPE [dB]	
				2672.5	2695	2617.5				
5	QPSK	1	0	15.77	15.86	15.79				
5	QPSK	1	12	15.84	15.85	15.76			17	0
5	QPSK	1	24	15.86	15.86	15.70				
5	QPSK	12	0	15.81	15.86	15.73				
5	QPSK	12	7	15.84	15.87	15.77			17	0
5	QPSK	12	13	15.85	15.83	15.85				
5	QPSK	25	0	15.87	15.94	15.85				
5	16QAM	1	0	15.79	15.83	15.85				
5	16QAM	1	12	15.75	15.96	15.84			17	0
5	16QAM	1	24	15.87	15.90	15.78				
5	16QAM	12	0	15.84	15.90	15.78				
5	16QAM	12	7	15.79	15.91	15.84			17	0
5	16QAM	12	13	15.82	15.82	15.87				
5	16QAM	25	0	15.81	15.92	15.79				
5	64QAM	1	0	15.772	15.88	15.83				
5	64QAM	1	12	15.87	15.89	15.82			17	0
5	64QAM	1	24	15.87	15.93	15.76				
5	64QAM	12	0	15.82	15.96	15.75				
5	64QAM	12	7	15.74	15.96	15.75			17	0
5	64QAM	12	13	15.77	15.96	15.71				
5	64QAM	25	0	15.87	15.91	15.86				
5	256QAM	1	0	15.82	15.95	15.87				
5	256QAM	1	12	15.80	15.92	15.72			17	0
5	256QAM	1	24	15.82	15.95	15.85				
5	256QAM	12	0	15.82	15.86	15.76				
5	256QAM	12	7	15.83	15.91	15.80			17	0
5	256QAM	12	13	15.79	15.87	15.82				
5	256QAM	25	0	15.81	15.88	15.80				

Band 41 Ant5 DSI 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up [mHz]	MPE [dB]	
Channel										
Frequency [MHz]				38750	40185	40620	41055	41490		
				2590	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.40	14.40	14.51	14.37	14.46		
20	QPSK	1	49	14.38	14.32	14.43	14.38	14.41	15.5	0
20	QPSK	1	99	14.34	14.42	14.44	14.41	14.41		
20	QPSK	50	0	14.44	14.37	14.50	14.40	14.39		
20	QPSK	50	24	14.37	14.36	14.47	14.32	14.41		
20	QPSK	50	50	14.37	14.37	14.39	14.39	14.39	15.5	0
20	QPSK	100	0	14.38	14.38	14.45	14.32	14.41		
20	16QAM	1	0	14.44	14.34	14.44	14.31	14.42		
20	16QAM	1	49	14.39	14.40	14.38	14.40	14.41	15.5	0
20	16QAM	1	99	14.42	14.31	14.38	14.34	14.39		
20	16QAM	50	0	14.38	14.37	14.36	14.35	14.36		
20	16QAM	50	24	14.42	14.35	14.46	14.33	14.36	15.5	0
20	16QAM	50	50	14.44	14.35	14.41	14.32	14.40		
20	16QAM	100	0	14.46	14.32	14.48	14.37	14.38		
20	64QAM	1	0	14.42	14.31	14.44	14.32	14.41		
20	64QAM	1	49	14.41	14.35	14.38	14.35	14.41	15.5	0
20	64QAM	1	99	14.40	14.42	14.37	14.30	14.40		
20	64QAM	50	0	14.46	14.42	14.47	14.34	14.40		
20	64QAM	50	24	14.42	14.39	14.36	14.41	14.36	15.5	0
20	64QAM	50	50	14.40	14.38	14.47	14.36	14.42		
20	64QAM	100	0	14.39	14.41	14.40	14.39	14.44		
20	256QAM	1	0	14.34	14.40	14.41	14.38	14.35		
20	256QAM	1	49	14.45	14.37	14.48	14.38	14.45	15.5	0
20	256QAM	50	99	14.44	14.35	14.47	14.37	14.36		
20	256QAM	50	24	14.43	14.35	14.44	14.34	14.44		
20	256QAM	50	50	14.46	14.32	14.36	14.41	14.37	15.5	0
20	256QAM	50	50	14.42	14.35	14.39	14.31	14.44		
20	256QAM	100	0	14.41	14.36	14.44	14.37	14.44		
Frequency [MHz]				2503.5	2548.3	2593	2637.8	2692.2		
15	QPSK	1	0	14.24	14.35	14.32	14.30	14.27		
15	QPSK	1	37	14.32	14.21	14.36	14.30	14.25	16	0
15	QPSK	1	74	14.22	14.38	14.39	14.25	14.20		
15	QPSK	36	0	14.37	14.28	14.39	14.32	14.28		
15	QPSK	36	20	14.21	14.24	14.33	14.28	14.29	15.5	0
15	QPSK	36	39	14.29	14.25	14.34	14.27	14.25		
15	QPSK	75	0	14.28	14.23	14.34	14.27	14.23		
15	QPSK	75	37	14.29	14.29	14.33	14.27	14.28	15.5	0
15	16QAM	1	37	14.32	14.35	14.25	14.26	14.27		
15	16QAM	1	74	14.31	14.20	14.22	14.26	14.24		
15	16QAM	36	0	14.24	14.29	14.24	14.26	14.21		
15	16QAM	36	20	14.36	14.21	14.32	14.24	14.23	15.5	0
15	16QAM	36	39	14.38	14.21	14.35	14.28	14.32		
15	16QAM	75	0	14.37	14.25	14.41	14.24	14.30		
15	16QAM	75	37	14.31	14.17	14.40	14.36	14.30	15.5	0
15	16QAM	75	74	14.28	14.28	14.21	14.23	14.32		
15	16QAM	1	37	14.32	14.27	14.22	14.26	14.28		
15	64QAM	36	0	14.38	14.34	14.41	14.20	14.34		
15	64QAM	36	20	14.35	14.32	14.25	14.34	14.22	15.5	0
15	64QAM	36	39	14.35	14.27	14.36	14.22	14.31		
15	64QAM	75	0	14.34	14.25	14.39	14.25	14.31		
15	256QAM	1	0	14.25	14.28	14.34	14.32	14.31		
15	256QAM	1	37	14.35	14.27	14.35	14.30	14.40	15.5	0
15	256QAM	1	74	14.33	14.20	14.41	14.32	14.25		
15	256QAM	36	0	14.36	14.23	14.29	14.32	14.20		
15	256QAM	36	20	14.40	14.19	14.24	14.39	14.24	15.5	0
15	256QAM	36	39	14.33	14.19	14.26	14.18	14.31		
15	256QAM	75	0	14.29	14.30	14.33	14.31	14.35		
Channel										
Frequency [MHz]				39700	40160	40620	41098	41540		
				2597	2547	2598	2640	2682		
10	QPSK	1	0	14.30	14.28	14.28	14.27	14.28		
10	QPSK	1	25	14.28	14.23	14.32	14.27	14.28	16	0
10	QPSK	1	49	14.22	14.38	14.32	14.36	14.38		
10	QPSK	1	74	14.20	14.35	14.38	14.28	14.27		
10	QPSK	25	12	14.24	14.20	14.34	14.27	14.30	15.5	0
10	QPSK	25	25	14.26	14.24	14.25	14.29	14.25		
10	QPSK	50	0	14.24	14.31	14.40	14.21	14.25		
10	16QAM	1	0	14.40	14.19	14.35	14.20	14.33		
10	16QAM	1	25	14.32	14.28	14.23	14.25	14.27	15.5	0
10	16QAM	1	49	14.27	14.22	14.25	14.23	14.31		
10	16QAM	25	0	14.26	14.24	14.21	14.19	14.28		
10	16QAM	25	12	14.30	14.28	14.31	14.28	14.21	15.5	0
10	16QAM	50	0	14.25	14.29	14.34	14.25	14.32		
10	64QAM	1	0	14.33	14.20	14.43	14.32	14.25		
10	64QAM	1	0	14.26	14.24	14.38	14.37	14.35		
10	64QAM	1	25	14.28	14.28	14.32	14.30	14.25	15.5	0
10	64QAM	1	49	14.24	14.24	14.35	14.29	14.31		
10	64QAM	25	0	14.34	14.26	14.33	14.24	14.27		
10	64QAM	25	12	14.36	14.26	14.23	14.29	14.22	15.5	0
10	64QAM	25	25	14.35	14.27	14.39	14.20	14.30		
10	64QAM	50	0	14.28	14.28	14.31	14.26	14.34		
10	256QAM	1	0	14.23	14.31	14.42	14.28	14.28	15.5	0
10	256QAM	1	25	14.36	14.27	14.34	14.30	14.38		
10	256QAM	1	49	14.28	14.26	14.32	14.31	14.29	15.5	0
10	256QAM	25	0	14.25	14.21	14.29	14.31	14.40		
10	256QAM	25	12	14.36	14.23	14.23	14.25	14.34	15.5	0
10	256QAM	25	25	14.30	14.29	14.25	14.25	14.38		
10	256QAM	50	0	14.34	14.16	14.31	14.27	14.36		
Channel										
Frequency [MHz]				39675	40146	40620	41093	41565		
				25975	25475	25980	26400	26825		
5	QPSK	1	0	14.26	14.33	14.35	14.31	14.28		
5	QPSK	1	12	14.25	14.28	14.27	14.25	14.27	16	0
5	QPSK	1	24	14.25	14.37	14.31	14.36	14.37		
5	QPSK	12	0	14.30	14.29	14.29	14.31	14.32		
5	QPSK	12	12	14.25	14.31	14.32	14.28	14.28	15.5	0
5	QPSK	12	13	14.24	14.26	14.28	14.28	14.35		
5	QPSK	25	0	14.31	14.30	14.34	14.22	14.30		
5	16QAM	1	0	14.29	14.25	14.35	14.25	14.37		
5	16QAM	12	0	14.35	14.26	14.32	14.24	14.27	15.5	0
5	16QAM	1	24	14.33	14.23	14.22	14.22	14.28		
5	16QAM	12	0	14.31	14.34	14.23	14.30	14.23		
5	16QAM	12	7	14.34	14.29	14.38	14.20	14.30	15.5	0
5	16QAM	12	13	14.40	14.25	14.33	14.16	14.32		
5	16QAM	25	0	14.32	14.26	14.34	14.29	14.31		
5	64QAM	1	0	14.34	14.21	14.33	14.27	14.30		
5	64QAM	12	0	14.28	14.26	14.23	14.25	14.25	15.5	0
5	64QAM	1	24	14.35	14.30	14.21	14.15	14.38		
5	64QAM	12	7	14.34	14.33	14.33	14.28	14.38		
5	64QAM	12	7	14.35	14.20	14.24	14.33	14.30	15.5	0
5	64QAM	12	13	14.33	14.29	14.37	14.29	14.29		
5	64QAM	25	0	14.26	14.32	14.29	14.32	14.35		
5	256QAM	1	0	14.28	14.33	14.26	14.28	14.31	15.5	0
5	256QAM	12	0	14.37	14.37	14.32	14.29	14.40		
5	256QAM	1	24	14.37	14.29	14.41	14.32	14.28		
5	256QAM	12	0	14.24	14.20	14.37	14.31	14.33		
5	256QAM	12	7	14.31	14.18	14.23	14.21	14.22	15.5	0
5	256QAM	12	13	14.37	14.26	14.23	14.29	14.39		
5	256QAM	25	0	14.33	14.24	14.38	14.23	14.32		

Band 4 Ant4 DSI 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Max Ch / Freq.	Time-interval (sec)	APR (dB)	
Channel									
20065 1732.5 1745									
20	QPSK	1	0	16.92	17.15	16.93			
20	QPSK	1	49	16.92	17.15	16.97	18.0	0	
20	QPSK	1	99	16.94	17.01	16.97			
20	QPSK	50	0	16.99	17.13	16.95			
20	QPSK	50	24	16.98	17.09	16.93	18.0	0	
20	QPSK	50	50	16.96	17.04	16.96			
20	QPSK	100	0	16.99	17.13	17.01			
20	16QAM	1	0	16.98	17.19	17.00			
20	16QAM	1	49	16.96	17.10	16.93	18.0	0	
20	16QAM	1	99	16.90	17.09	16.96			
20	16QAM	50	0	17.00	17.07	16.98			
20	16QAM	50	24	16.98	17.05	17.09	18.0	0	
20	16QAM	50	50	16.97	17.06	17.01			
20	16QAM	100	0	16.94	17.09	16.96			
20	16QAM	1	0	16.98	17.04	17.01			
20	16QAM	1	49	17.01	17.10	16.96	18.0	0	
20	16QAM	1	99	16.96	17.05	16.98			
20	16QAM	50	0	16.93	17.02	16.94			
20	16QAM	50	24	16.94	17.09	16.93	18.0	0	
20	16QAM	50	50	16.99	17.06	16.96			
20	16QAM	100	0	16.99	16.99	17.04			
20	256QAM	1	49	17.00	17.05	16.92	18.0	0	
20	256QAM	1	99	16.99	17.00	16.95			
20	256QAM	50	0	16.99	17.06	16.95			
20	256QAM	50	24	16.90	17.08	17.00	18.0	0	
20	256QAM	50	50	16.99	17.03	16.92			
20	256QAM	100	0	17.00	17.00	16.99			
Channel									
20065 20175 20325									
Frequency (MHz)									
15	QPSK	1	0	16.86	16.97	16.86			
15	QPSK	1	37	16.80	16.96	16.83	18.0	0	
15	QPSK	1	74	16.82	16.92	16.87			
15	QPSK	36	0	16.83	16.89	16.86			
15	QPSK	36	24	16.91	16.89	16.89	18.0	0	
15	QPSK	36	39	16.89	16.92	16.83			
15	16QAM	1	0	16.82	16.91	16.86			
15	16QAM	1	37	16.88	17.05	16.83	18.0	0	
15	16QAM	1	74	16.86	16.93	16.84			
15	16QAM	36	0	16.88	16.93	16.84			
15	16QAM	36	20	16.90	16.94	16.96	18.0	0	
15	16QAM	36	39	16.84	16.93	16.91			
15	16QAM	75	0	16.84	16.93	16.91			
15	16QAM	1	0	16.84	16.97	16.90	18.0	0	
15	16QAM	1	37	16.89	17.09	16.87			
15	16QAM	1	74	16.85	16.95	16.93			
15	16QAM	36	0	16.80	16.97	16.90	18.0	0	
15	16QAM	36	20	16.88	16.96	16.97			
15	16QAM	36	39	16.93	16.97	16.90	18.0	0	
15	16QAM	75	0	16.92	16.88	16.96			
15	256QAM	1	37	16.90	16.94	16.79	18.0	0	
15	256QAM	1	74	16.89	16.86	16.85			
15	256QAM	36	0	16.84	16.91	16.84			
15	256QAM	36	20	16.83	16.98	16.85	18.0	0	
15	256QAM	36	39	16.86	16.94	16.80			
15	256QAM	75	0	16.85	16.94	16.92			
Channel									
20065 20175 20325									
Frequency (MHz)									
10	QPSK	1	0	16.84	16.93	16.84			
10	QPSK	1	25	16.75	16.90	16.82	18.0	0	
10	QPSK	1	49	16.85	16.86	16.84			
10	QPSK	25	0	16.82	16.82	16.82			
10	QPSK	25	12	16.92	17.04	16.82	18.0	0	
10	QPSK	25	25	16.90	16.90	16.84			
10	QPSK	25	49	16.89	16.96	16.86			
10	16QAM	1	0	16.80	17.02	16.95			
10	16QAM	1	25	16.89	16.96	16.76	18.0	0	
10	16QAM	1	49	16.77	16.95	16.88			
10	16QAM	25	0	16.94	16.99	16.88			
10	16QAM	25	12	16.82	16.97	16.89	18.0	0	
10	16QAM	25	25	16.85	17.01	16.87			
10	16QAM	50	0	16.79	17.03	16.81			
10	16QAM	1	0	16.92	16.97	16.86	18.0	0	
10	16QAM	1	24	16.96	17.05	16.86			
10	16QAM	1	49	16.83	16.96	16.82			
10	16QAM	25	0	16.84	16.86	16.82	18.0	0	
10	16QAM	25	12	16.93	17.03	16.79			
10	16QAM	25	25	16.87	17.00	16.83	18.0	0	
10	16QAM	50	0	16.87	16.90	16.86			
10	256QAM	1	0	16.92	16.93	16.85			
10	256QAM	1	25	16.94	16.93	16.79	18.0	0	
10	256QAM	1	25	16.94	16.93	16.85			
10	256QAM	1	49	16.85	16.92	16.79	18.0	0	
10	256QAM	1	49	16.85	16.92	16.85			
10	256QAM	25	0	16.89	16.98	16.85			
10	256QAM	25	12	16.86	16.97	16.94	18.0	0	
10	256QAM	25	25	16.94	16.92	16.79			
10	256QAM	50	0	16.92	16.91	16.85			
Channel									
20075 20175 20375									
Frequency (MHz)									
5	QPSK	1	0	16.83	16.93	16.81			
5	QPSK	1	12	16.79	17.01	16.90	18.0	0	
5	QPSK	1	24	16.89	16.94	16.87			
5	QPSK	13	0	16.84	16.82	16.79			
5	QPSK	12	7	16.87	16.98	16.80	18.0	0	
5	QPSK	12	13	16.88	16.93	16.83			
5	QPSK	25	0	16.87	16.91	16.85			
5	16QAM	1	0	16.88	16.97	16.81			
5	16QAM	1	12	16.89	17.07	16.83	18.0	0	
5	16QAM	1	24	16.84	16.94	16.81			
5	16QAM	12	0	16.85	16.92	16.82			
5	16QAM	12	7	16.86	16.92	16.87	18.0	0	
5	16QAM	12	13	16.85	16.91	16.88			
5	16QAM	25	0	16.81	16.96	16.81			
5	16QAM	1	0	16.83	16.90	16.82	18.0	0	
5	16QAM	1	12	16.84	17.05	16.82			
5	16QAM	1	24	16.89	16.90	16.93			
5	16QAM	12	0	16.81	16.92	16.86	18.0	0	
5	16QAM	12	7	16.86	16.97	16.85			
5	16QAM	12	13	16.88	16.91	16.88	18.0	0	
5	16QAM	25	0	16.87	16.96	16.87			
5	16QAM	1	0	16.83	16.90	16.83			
5	16QAM	1	12	16.84	17.05	16.82	18.0	0	
5	16QAM	1	24	16.89	16.90	16.93			
5	16QAM	12	0	16.81	16.92	16.86	18.0	0	
5	16QAM	12	7	16.86	16.97	16.85			
5	16QAM	12	13	16.88	16.91	16.88	18.0	0	
5	16QAM	25	0	16.87	16.96	16.87			
5	16QAM	1	0	16.83	16.90	16.83			
5	16QAM	1	12	16.84	17.05	16.82	18.0	0	
5	16QAM	1	24	16.89	16.90	16.93			
5	16QAM	12	0	16.81	16.92	16.86	18.0	0	
5	16QAM	12	7	16.86	16.97	16.85			
5	16QAM	12	13	16.88	16.91	16.88	18.0	0	
5	16QAM	25	0	16.87	16.96	16.87			
5	16QAM	1	0	16.83	16.90	16.83			
5	16QAM	1	12	16.84	17.05	16.82	18.0	0	
5	16QAM	1	24	16.89	16.90	16.93			
5	16QAM	12	0	16.81	16.92	16.86	18.0	0	
5	16QAM	12	7	16.86	16.97	16.85			
5	16QAM	12	13	16.88	16.91	16.88	18.0	0	
5	16QAM	25	0	16.87	16.96	16.87			
5	16QAM	1	0	16.83	16.90	16.83			
5	16QAM	1	12	16.84	17.05	16.82	18.0	0	
5	16QAM	1	24	16.89	16.90	16.93			
5	16QAM	12	0	16.81	16.92	16.86	18.0	0	
5	16QAM	12	7	16.86	16.97	16.85			
5	16QAM	12	13	16.88	16.91	16.88	18.0	0	
5	16QAM	25	0	16.87	16.96	16.87			
5	16QAM	1	0	16.83	16.90	16.83			
5	16QAM	1	12	16.84	17.05	16.82	18.0	0	
5	16QAM	1	24	16.89	16.90	16.93			
5	16QAM	12	0	16.81	16.92	16.86	18.0	0	
5	16QAM	12	7	16.86	16.97	16.85			
5	16QAM	12	13	16.88	16.91	16.88	18.0	0	
5	16QAM	25	0	16.87	16.96	16.87			
5	16QAM	1	0	16.83	16.90	16.83			
5	16QAM	1	12	16.84	17.05	16.82	18.0	0	
5	16QAM	1	24	16.89	16.90	16.93			

Band 38 Ant4 DSI 1												
BW [MHz]	Module on	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)				
Channel												
Frequency (MHz)	250	37850	38000	38150	Turn up	MPR (dB)						
10	QPSK	1	0	20.04	19.97	20.02			21.6	0		
20	QPSK	1	49	20.03	20.18	20.07						
20	QPSK	1	99	20.12	20.17	20.10			21.6	0		
20	QPSK	50	0	20.03	20.15	20.07						
20	QPSK	50	24	20.10	20.07	20.05			21.6	0		
20	QPSK	50	50	20.11	20.14	20.01						
20	QPSK	100	0	20.04	20.08	20.07			21.6	0		
20	16QAM	1	0	20.08	20.12	19.99						
20	16QAM	1	49	20.08	20.18	20.00			21.6	0		
20	16QAM	1	99	20.14	20.08	20.05						
20	16QAM	50	0	20.08	20.08	20.06			21.6	0		
20	16QAM	50	24	20.04	20.15	20.00						
20	16QAM	50	50	20.12	20.11	20.01			21.6	0		
20	16QAM	100	0	20.12	20.12	20.05						
20	64QAM	1	0	20.12	20.07	20.02			21.6	0		
20	64QAM	1	49	20.08	20.12	20.05						
20	64QAM	1	99	20.07	20.12	20.11			21.6	0		
20	64QAM	50	0	20.13	20.19	20.02						
20	64QAM	50	24	20.07	20.14	20.11			21.6	0		
20	64QAM	50	50	20.12	20.16	20.07						
20	256QAM	1	0	18.58	18.57	18.50			19.6	2		
20	256QAM	1	49	18.60	18.58	18.50						
20	256QAM	1	99	18.57	18.63	18.53			19.6	2		
20	256QAM	50	0	18.59	18.64	18.58						
20	256QAM	50	24	18.58	18.60	18.56			19.6	2		
20	256QAM	50	50	18.60	18.59	18.50						
20	256QAM	100	0	18.63	18.67	18.60			19.6	2		
20	256QAM	100	0	18.63	18.67	18.60						
Channel												
Frequency (MHz)	37925	38000	38175	Turn up	MPR (dB)							
15	QPSK	1	0	20.02	19.96	19.95			21.6	0		
15	QPSK	1	37	19.94	20.07	20.02						
15	QPSK	1	74	20.00	20.07	20.00			21.6	0		
15	QPSK	50	0	19.97	20.03	19.91						
15	QPSK	50	20	20.05	20.03	19.96			21.6	0		
15	QPSK	36	39	19.97	19.98	19.96						
15	QPSK	75	0	19.96	20.00	20.01			21.6	0		
15	QPSK	1	37	19.97	20.03	19.93						
15	16QAM	1	37	19.97	20.05	19.87			21.6	0		
15	16QAM	1	74	20.03	20.01	19.89						
15	16QAM	1	111	19.99	19.99	19.96			21.6	0		
15	16QAM	36	39	20.01	20.04	19.99						
15	16QAM	36	39	20.04	19.96	19.96			21.6	0		
15	16QAM	75	0	20.02	20.03	19.93						
15	16QAM	1	37	19.96	20.00	19.84			21.6	0		
15	64QAM	1	37	19.94	20.06	19.93						
15	64QAM	1	74	19.94	20.06	19.93			21.6	0		
15	64QAM	36	0	20.08	20.05	19.93						
15	64QAM	36	39	20.04	20.01	19.94			21.6	0		
15	64QAM	75	0	20.02	20.03	19.93						
15	256QAM	1	37	18.49	18.50	18.44			19.6	2		
15	256QAM	1	74	18.51	18.52	18.43						
15	256QAM	36	0	18.53	18.49	18.51			19.6	2		
15	256QAM	36	39	18.55	18.50	18.44						
15	256QAM	36	39	18.51	18.43	18.53			19.6	2		
15	256QAM	75	0	18.45	18.56	18.52						
Channel												
Frequency (MHz)	37960	38000	38150	Turn up	MPR (dB)							
10	QPSK	1	0	20.04	19.97	20.02			21.6	0		
10	QPSK	1	25	19.88	20.10	20.02						
10	QPSK	25	0	19.93	19.97	20.02			21.6	0		
10	QPSK	25	12	20.04	20.03	19.90						
10	QPSK	25	25	19.97	20.10	19.85			21.6	0		
10	QPSK	50	0	20.02	20.10	19.96						
10	16QAM	1	25	19.98	20.08	19.93			21.6	0		
10	16QAM	1	49	19.99	20.01	19.90						
10	16QAM	1	73	19.95	19.95	19.90			21.6	0		
10	16QAM	25	12	19.91	20.01	19.90						
10	16QAM	25	25	20.08	19.97	19.92			21.6	0		
10	16QAM	50	0	20.09	20.08	19.98						
10	64QAM	1	0	20.07	19.94	19.96			21.6	0		
10	64QAM	1	25	20.03	19.98	19.93						
10	64QAM	1	49	19.98	20.01	19.96			21.6	0		
10	64QAM	1	73	19.95	20.12	19.93						
10	64QAM	25	12	19.92	20.04	19.96			21.6	0		
10	64QAM	25	25	20.01	20.04	19.97						
10	64QAM	50	0	19.92	20.04	20.01			21.6	0		
10	256QAM	1	0	18.41	18.41	18.38						
10	256QAM	1	25	18.53	18.56	18.46			19.6	2		
10	256QAM	1	49	18.42	18.56	18.45						
10	256QAM	1	73	18.49	18.50	18.44			19.6	2		
10	256QAM	25	12	18.51	18.54	18.45						
10	256QAM	25	25	18.53	18.52	18.48			19.6	2		
10	256QAM	50	0	18.39	18.60	18.53						
Channel												
Frequency (MHz)	20725	20800	20875	Turn up	MPR (dB)							
5	QPSK	1	0	20.05	19.95	20.04			21.6	0		
5	QPSK	1	12	19.97	20.14	19.95						
5	QPSK	1	24	20.00	20.07	20.00			21.6	0		
5	QPSK	12	0	19.99	20.05	19.95						
5	QPSK	12	7	19.95	19.94	19.91			21.6	0		
5	QPSK	12	13	20.00	20.00	19.90						
5	QPSK	25	0	19.97	19.97	19.98			21.6	0		
5	16QAM	1	0	20.03	19.97	19.95						
5	16QAM	1	12	19.96	20.13	19.95			21.6	0		
5	16QAM	1	24	20.00	20.00	19.94						
5	16QAM	12	0	20.01	20.01	19.93			21.6	0		
5	16QAM	12	7	19.90	20.03	19.90						
5	16QAM	12	13	20.00	20.02	19.99			21.6	0		
5	16QAM	25	0	19.98	19.98	19.94						
5	64QAM	1	0	20.03	19.96	19.94			21.6	0		
5	64QAM	1	12	19.97	20.01	19.97						
5	64QAM	1	24	19.98	20.04	20.04			21.6	0		
5	64QAM	12	0	19.99	20.06	19.96						
5	64QAM	12	7	19.94	20.08	19.94			21.6	0		
5	64QAM	12	13	19.99	20.07	19.96						
5	256QAM	1	0	18.45	18.45	18.44			19.6	2		
5	256QAM	1	12	18.47	18.51	18.49						
5	256QAM	1	24	18.53	18.49	18.38			19.6	2		
5	256QAM	12	13	18.45	18.54	18.44						
5	256QAM	12	7	18.47	18.50	18.49			19.6	2		
5	256QAM	12	13	18.44	18.54	18.47						

Band 41 Ant4 DSI 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)		
Channel											
Frequency (MHz)	39750	40185	40630	41065	41490	Turn-up (dB)	MPR (dB)				
20	QPSK	1	0	19.07	19.07	19.05	19.05			20.6	
20	QPSK	1	49	19.16	19.05	19.14	19.02	19.12			
20	QPSK	1	99	19.10	19.04	19.14	19.03	19.10		20.6	
20	QPSK	50	0	19.12	19.10	19.21	19.09	19.16			
20	QPSK	50	24	19.15	19.05	19.18	19.08	19.17		20.6	
20	QPSK	50	50	19.08	19.12	19.16	19.09	19.18			
20	QPSK	100	0	19.17	19.10	19.19	19.06	19.18		20.6	
20	16QAM	1	0	19.14	19.13	19.18	19.03	19.09			
20	16QAM	1	49	19.08	19.12	19.21	19.04	19.14		20.6	
20	16QAM	1	99	19.14	19.03	19.14	19.02	19.13			
20	16QAM	50	0	19.12	19.04	19.17	19.00	19.12		20.6	
20	16QAM	50	24	19.13	19.07	19.20	19.02	19.11			
20	16QAM	50	50	19.14	19.08	19.11	19.00	19.08		20.6	
20	16QAM	100	0	19.12	19.06	19.14	19.11	19.18			
20	64QAM	1	0	19.13	19.07	19.20	19.02	19.11		20.6	
20	64QAM	1	49	19.10	19.14	19.16	19.07	19.08			
20	64QAM	1	99	19.07	19.14	19.16	19.05	19.10		20.6	
20	64QAM	50	0	19.10	19.09	19.17	19.07	19.18			
20	64QAM	50	24	19.17	19.14	19.16	19.06	19.12		20.6	
20	64QAM	50	50	19.08	19.06	19.15	19.05	19.12			
20	64QAM	100	0	19.17	19.12	19.21	19.04	19.08		19.6	
20	256QAM	1	0	18.62	18.59	18.63	18.59	18.58			
20	256QAM	1	49	18.68	18.62	18.63	18.60	18.62		19.6	
20	256QAM	1	99	18.58	18.60	18.61	18.54	18.61			
20	256QAM	50	0	18.60	18.60	18.65	18.58	18.63		19.6	
20	256QAM	50	24	18.57	18.55	18.67	18.50	18.58			
20	256QAM	50	50	18.57	18.58	18.70	18.52	18.63		19.6	
20	256QAM	100	0	18.65	18.59	18.72	18.55	18.68			
Channel											
Frequency (MHz)	39725	40173	40630	41066	41515	Turn up (dB)	MPR (dB)				
15	QPSK	1	0	19.03	19.07	19.00	19.00	19.09		21.0	
15	QPSK	1	37	19.00	19.00	19.00	19.05	19.05			
15	QPSK	1	74	18.97	19.05	19.10	19.08	19.02		20.8	
15	QPSK	36	0	19.07	19.05	19.10	19.00	19.09			
15	QPSK	36	29	19.08	19.05	19.08	19.03	19.12		20.8	
15	QPSK	36	39	18.99	19.02	19.06	19.04	19.12			
15	QPSK	75	0	19.09	19.06	19.06	19.08	19.05		20.8	
15	QPSK	75	0	19.03	19.03	19.03	19.03	19.03			
15	16QAM	1	37	19.00	19.08	19.08	19.08	19.08		20.6	
15	16QAM	1	74	18.99	19.08	19.08	19.09	19.09			
15	16QAM	36	0	19.06	19.09	19.10	19.08	19.12		20.6	
15	16QAM	36	29	19.08	19.03	19.09	19.07	19.12			
15	16QAM	36	39	19.01	19.03	19.04	19.04	19.07		20.6	
15	16QAM	75	0	19.03	19.01	19.03	19.04	19.06			
15	64QAM	1	37	19.00	19.09	19.09	19.07	19.07		20.6	
15	64QAM	1	74	18.94	19.09	19.09	19.00	18.96			
15	64QAM	36	0	19.00	19.04	19.13	19.03	19.11		20.6	
15	64QAM	36	29	19.03	19.01	19.01	19.03	19.09			
15	64QAM	36	39	19.08	19.01	19.07	19.03	19.01		20.6	
15	64QAM	75	0	19.03	19.07	19.08	19.01	19.03			
15	256QAM	1	0	18.50	18.50	18.50	18.47	18.49		19.6	
15	256QAM	1	49	18.60	18.55	18.48	18.52	18.48			
15	256QAM	1	99	18.44	18.51	18.58	18.44	18.53		19.6	
15	256QAM	36	0	18.52	18.46	18.59	18.47	18.49			
15	256QAM	36	29	18.51	18.42	18.53	18.47	18.49		19.6	
15	256QAM	36	39	18.45	18.45	18.64	18.46	18.50			
15	256QAM	75	0	18.51	18.49	18.58	18.39	18.54		19.6	
Channel											
Frequency (MHz)	39725	40173	40630	41066	41515	Turn up (dB)	MPR (dB)				
10	QPSK	1	0	18.98	18.99	19.03	18.96	19.01			21.0
10	QPSK	1	25	19.09	18.99	19.03	19.01	19.04			
10	QPSK	1	49	19.00	19.03	19.05	18.97	19.07		20.6	
10	QPSK	25	0	19.07	19.08	19.15	19.09	19.05			
10	QPSK	25	12	18.99	19.00	19.02	19.03	19.08		20.6	
10	QPSK	25	25	19.06	19.08	19.04	19.04	19.07			
10	QPSK	50	0	19.03	19.03	19.04	19.04	19.03		20.6	
10	QPSK	50	1	19.00	19.08	19.05	18.99	19.02			
10	16QAM	1	25	19.06	19.09	19.05	19.03	19.07		20.6	
10	16QAM	1	49	19.05	19.02	19.06	18.97	19.03			
10	16QAM	50	0	19.08	19.08	19.08	19.07	19.08		20.6	
10	16QAM	25	12	19.02	19.09	19.04	19.00	19.10			
10	16QAM	25	25	19.00	19.05	19.06	19.00	19.02		20.6	
10	16QAM	50	0	19.03	19.03	19.04	19.01	19.05			
10	64QAM	1	25	19.09	19.07	19.01	19.02	19.05		20.6	
10	64QAM	1	49	19.02	19.02	19.03	19.04	19.06			
10	64QAM	50	0	19.03	19.03	19.04	19.03	19.04		20.6	
10	64QAM	25	12	19.02	19.09	19.05	18.94	19.07			
10	64QAM	25	25	18.97	19.02	19.10	19.09	19.05		20.6	
10	64QAM	50	0	19.04	19.09	19.10	19.04	19.00			
10	256QAM	1	25	18.46	18.46	18.46	18.46	18.46		19.6	
10	256QAM	1	49	18.57	18.53	18.46	18.54	18.52			
10	256QAM	1	99	18.47	18.53	18.48	18.42	18.49		19.6	
10	256QAM	36	0	18.54	18.48	18.59	18.47	18.42			
10	256QAM	25	12	18.44	18.47	18.60	18.40	18.45		19.6	
10	256QAM	25	25	18.49	18.49	18.64	18.42	18.56			
10	256QAM	50	0	18.54	18.47	18.63	18.47	18.56		19.6	
Channel											
Frequency (MHz)	29485	29454	29993	29430	29875 <th>Turn up (dB)</th> <th>MPR (dB)</th> <th colspan="3"></th>	Turn up (dB)	MPR (dB)				
5	QPSK	1	0	19.01	18.95	19.06	19.07	18.97			21.0
5	QPSK	1	12	19.01	19.03	19.08	19.04	19.03			
5	QPSK	1	24	18.97	19.01	19.04	18.97	19.04		20.6	
5	QPSK	12	0	19.04	19.07	19.12	19.09	19.07			
5	QPSK	12	7	19.00	19.05	19.10	19.09	19.07		20.6	
5	QPSK	12	19	19.03	19.07	19.12	19.07	19.12			
5	QPSK	25	0	19.05	19.05	19.04	19.00	19.09		20.6	
5	16QAM	1	0	19.06	19.09	19.04	19.02	19.03			
5	16QAM	1	12	19.01	19.03	19.13	19.08	19.05		20.6	
5	16QAM	24	0	19.02	19.04	19.09	19.04	19.05			
5	16QAM	12	0	19.00	19.09	19.11	19.01	18.97		20.6	
5	16QAM	12	13	19.04	19.02	19.08	19.04	19.10			
5	16QAM	12	13	19.02	19.03	19.03	19.05	19.05		20.6	
5	16QAM	25	0	19.03	19.03	19.04	19.07	19.11			
5	64QAM	1	0	19.05	19.09	19.15	19.08	19.09		20.6	
5	64QAM	1	12	18.96	19.07	19.05	19.08	19.04			
5	64QAM	24	0	19.03	19.03	19.06	19.03	19.09		20.6	
5	64QAM	12	10	19.01	19.05	19.07	19.06	19.09			
5	64QAM	12	10	19.12	19.10	19.08	19.07	19.06		20.6	
5	64QAM	12	13	18.97	19.06	19.01	19.08	19.01			
5	256QAM	1	0	18.48	18.48	18.48	18.48	18.48		19.6	
5	256QAM	1	12	18.59	18.49	18.50	18.48	18.45			
5	256QAM	1	24	18.52	18.47	18.51	18.41	18.51		19.6	
5	256QAM	12	0	18.52	18.49	18.59	18.44	18.53			
5	256QAM	12	13	18.45	18.49	18.58	18.40	18.44		19.6	
5	256QAM	12	13	18.45	18.51	18.58	18.37	18.51			

Band 42 Ant4 DSI 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up (dB)	MPR (dB)				
Channel												
Frequency (MHz)				42160	42590	42960	43500	43930				
20	QPSK	1	0	19.04	19.21	19.06			19.7	0		
20	QPSK	1	49	19.08	19.14	19.08						
20	QPSK	1	99	19.04	19.15	19.10			19.7	0		
20	QPSK	50	0	19.13	19.18	19.09						
20	QPSK	50	24	19.10	19.13	19.12			19.7	0		
20	QPSK	50	50	19.12	19.16	19.05						
20	QPSK	100	0	19.12	19.13	19.06			19.7	0		
20	16QAM	1	0	19.12	19.17	19.09						
20	16QAM	1	49	19.04	19.10	19.16			19.7	0		
20	16QAM	1	99	19.08	19.18	19.11						
20	16QAM	50	0	19.14	19.15	19.07			19.7	0		
20	16QAM	50	24	19.05	19.07	19.05						
20	16QAM	50	50	19.07	19.15	19.04			19.7	0		
20	64QAM	1	0	19.03	19.16	19.11						
20	64QAM	1	49	19.13	19.19	19.14			19.7	0		
20	64QAM	1	99	19.08	19.07	19.08						
20	64QAM	50	0	19.07	19.15	19.10			19.7	0		
20	64QAM	50	24	19.11	19.13	19.12						
20	64QAM	50	50	19.07	19.15	19.05			19.7	0		
20	64QAM	100	0	19.07	19.16	19.15						
20	256QAM	1	0	19.11	19.09	19.10			19.7	0		
20	256QAM	1	49	19.11	19.08	19.13						
20	256QAM	1	99	19.09	19.11	19.08			19.7	0		
20	256QAM	50	0	19.08	19.08	19.10						
20	256QAM	50	24	19.04	19.19	19.09			19.7	0		
20	256QAM	50	50	19.07	19.16	19.15						
20	256QAM	100	0	19.05	19.08	19.10			19.7	0		
Channel												
Frequency (MHz)	42165	42590	43015	43445	43875	Turn up (dB)	MPR (dB)					
15	QPSK	1	0	19.02	19.08	19.02					19.7	0
15	QPSK	1	37	19.05	19.09	19.05						
15	QPSK	1	74	19.04	19.09	19.07			19.7	0		
15	QPSK	36	0	19.06	19.06	19.07						
15	QPSK	36	20	19.02	19.08	19.02			19.7	0		
15	QPSK	36	39	19.06	18.98	18.97						
15	QPSK	75	0	19.04	19.02	18.98			19.7	0		
15	QPSK	75	37	19.03	19.03	19.03						
15	16QAM	1	37	19.03	19.09	19.04			19.7	0		
15	16QAM	1	74	19.04	19.02	19.01						
15	16QAM	36	0	19.03	19.03	19.03			19.7	0		
15	16QAM	36	20	19.04	19.04	19.04						
15	16QAM	36	39	19.09	19.01	19.02			19.7	0		
15	16QAM	75	0	19.01	18.99	19.01						
15	16QAM	75	37	19.01	18.99	19.01			19.7	0		
15	256QAM	1	37	18.99	18.97	19.00						
15	64QAM	1	74	18.99	19.00	19.02			19.7	0		
15	64QAM	36	0	18.98	18.99	19.03						
15	64QAM	36	20	18.99	19.00	19.00			19.7	0		
15	64QAM	36	39	18.99	19.04	19.00						
15	64QAM	75	0	18.99	19.00	18.99			19.7	0		
15	64QAM	75	37	18.99	19.00	18.99						
15	256QAM	1	37	18.95	18.99	18.94			19.7	0		
15	256QAM	1	74	19.07	19.08	18.98						
15	256QAM	36	0	18.95	19.04	18.96			19.7	0		
15	256QAM	36	20	19.03	18.97	18.97						
15	256QAM	36	39	18.96	19.08	18.97			19.7	0		
15	256QAM	75	0	19.00	18.99	19.02						
Channel												
Frequency (MHz)	42160	42590	43015	43445	43875	Turn up (dB)	MPR (dB)					
10	QPSK	1	0	19.03	19.08	19.05			19.7	0		
10	QPSK	1	25	19.03	19.03	19.05						
10	QPSK	1	50	19.03	19.03	19.03			19.7	0		
10	QPSK	25	0	19.01	19.08	19.01						
10	QPSK	25	12	19.02	19.09	19.03			19.7	0		
10	QPSK	25	25	19.03	19.01	19.01						
10	16QAM	1	0	19.04	19.02	19.01			19.7	0		
10	16QAM	1	25	19.06	19.04	19.04						
10	16QAM	1	49	19.03	18.98	18.97			19.7	0		
10	16QAM	12	0	19.03	18.97	18.97						
10	16QAM	25	12	19.02	19.07	18.96			19.7	0		
10	16QAM	25	25	19.00	19.00	18.98						
10	64QAM	1	50	19.03	19.03	19.03			19.7	0		
10	64QAM	0	19.08	19.05	19.05							
10	64QAM	1	25	19.03	19.08	19.06			19.7	0		
10	64QAM	1	49	19.04	18.98	18.96						
10	64QAM	12	0	19.03	18.97	18.97			19.7	0		
10	64QAM	25	12	19.00	19.01	18.99						
10	64QAM	25	25	19.01	19.01	18.95			19.7	0		
10	64QAM	50	0	18.97	19.03	19.02						
10	256QAM	1	50	19.03	18.99	18.99			19.7	0		
10	256QAM	1	25	19.01	19.09	18.99						
10	256QAM	1	49	18.93	19.01	18.94			19.7	0		
10	256QAM	12	0	19.01	19.01	18.97						
10	256QAM	25	12	19.02	19.02	19.97			19.7	0		
10	256QAM	25	25	19.02	19.04	19.00						
10	256QAM	50	0	19.03	19.04	19.03			19.7	0		
10	256QAM	50	25	19.03	19.03	19.03						
Channel												
Frequency (MHz)	42165	42590	43015	43445	43875	Turn up (dB)	MPR (dB)					
5	QPSK	1	0	19.09	19.08	19.08			19.7	0		
5	QPSK	1	12	19.06	19.06	19.06						
5	QPSK	1	24	19.03	19.03	19.03			19.7	0		
5	QPSK	12	0	19.08	19.02	18.99						
5	QPSK	12	7	19.92	19.09	19.04			19.7	0		
5	QPSK	12	14	19.04	18.97	18.97						
5	QPSK	25	0	19.08	19.04	19.04			19.7	0		
5	16QAM	1	0	19.04	19.00	18.95						
5	16QAM	1	12	19.09	19.06	19.00			19.7	0		
5	16QAM	12	0	19.03	19.03	19.03						
5	16QAM	12	7	19.01	19.01	18.98			19.7	0		
5	16QAM	12	13	19.02	19.02	19.00						
5	16QAM	12	19	19.02	19.00	18.94			19.7	0		
5	64QAM	1	0	19.07	19.03	19.04						
5	64QAM	1	12	18.94	19.01	19.05			19.7	0		
5	64QAM	12	0	19.05	19.00	19.00						
5	64QAM	12	0	19.03	19.00	18.98			19.7	0		
5	64QAM	12	7	18.97	18.97	18.97						
5	64QAM	12	13	18.94	19.03	19.05			19.7	0		
5	64QAM	12	19	19.01	19.01	18.99						
5	256QAM	1	0	19.04	19.07	19.00			19.7	0		
5	256QAM	1	12	18.96	19.05	19.02						
5	256QAM	1	24	18.99	19.01	19.01			19.7	0		
5	256QAM	12	0	19.02	19.02	19.02						
5	256QAM	12	7	19.02	19.07	18.95			19.7	0		
5	256QAM	12	13	18.94	19.01	18.97						

Band 48 Ant4 DSI 1										
BW [MHz]	Module	RB Size	RB Offset	Power Low Middle Ch / Freq	Power Low Middle Ch / Freq	Power High Middle Ch / Freq	Power High Middle Ch / Freq	Turn-up (dB)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.62	20.67	20.60	20.60	20.48		
20	QPSK	1	49	20.61	20.65	20.60	20.60	20.52	22	0
20	QPSK	1	99	20.59	20.62	20.63	20.63	20.44		
20	QPSK	50	0	20.63	20.60	20.60	20.60	20.52		
20	QPSK	50	24	20.64	20.60	20.53	20.54	20.48		
20	QPSK	50	50	20.60	20.56	20.55	20.48	20.48	22	0
20	QPSK	100	0	20.62	20.63	20.50	20.50	20.51		
20	16QAM	1	0	20.61	20.64	20.58	20.50	20.50		
20	16QAM	1	49	20.58	20.63	20.49	20.54	20.48	22	0
20	16QAM	1	99	20.53	20.60	20.50	20.50	20.48		
20	16QAM	50	0	20.63	20.60	20.53	20.54	20.48		
20	16QAM	50	24	20.63	20.61	20.54	20.49	20.48		
20	16QAM	50	50	20.53	20.65	20.56	20.56	20.45	22	
20	16QAM	100	0	20.57	20.59	20.57	20.52	20.52		
20	64QAM	1	0	20.59	20.59	20.48	20.51			
20	64QAM	1	49	20.63	20.58	20.50	20.52			
20	64QAM	1	99	20.59	20.65	20.58	20.55			
20	64QAM	50	0	20.63	20.61	20.58	20.48	19.84		
20	64QAM	50	24	20.64	20.60	20.50	20.52			
20	64QAM	50	50	20.66	20.13	19.99	19.97	20.02	21.5	0.5
20	64QAM	100	0	20.14	20.08	20.08	20.02			
20	256QAM	1	0	18.11	18.12	18.08	18.03			
20	256QAM	1	49	18.04	18.15	18.06	18.03	18.03	19.5	2.5
20	256QAM	1	99	18.05	18.15	18.03	17.94			
20	256QAM	50	0	18.15	18.15	18.01	18.05			
20	256QAM	50	24	18.11	18.14	18.07	17.98			
20	256QAM	50	50	18.09	18.08	18.00	17.96	18.05	19.5	2.5
20	256QAM	100	0	18.09	18.15	18.01	17.96			
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.54	20.47	20.50	20.44			
15	QPSK	1	37	20.55	20.59	20.50	20.39	22	0	
15	QPSK	1	74	20.47	20.47	20.39	20.30			
15	QPSK	36	0	20.39	20.45	20.48	20.41			
15	QPSK	36	20	20.58	20.50	20.48	20.40			
15	QPSK	36	39	20.54	20.46	20.44	20.40			
15	QPSK	36	58	20.49	20.57	20.45	20.48			
15	16QAM	1	0	20.57	20.59	20.50	20.42			
15	16QAM	1	37	20.42	20.59	20.43	20.44	22	0	
15	16QAM	1	74	20.38	20.48	20.41	20.26			
15	16QAM	36	0	20.46	20.47	20.50	20.38			
15	16QAM	36	20	20.54	20.45	20.45	20.44	22	0	
15	16QAM	36	39	20.38	20.80	20.45	20.34			
15	16QAM	36	58	20.42	20.48	20.50	20.42			
15	64QAM	1	0	20.51	20.45	20.48	20.38			
15	64QAM	1	37	20.50	20.53	20.49	20.41			
15	64QAM	1	74	20.43	20.50	20.42	20.48			
15	64QAM	36	0	19.97	20.06	20.02	19.85			
15	64QAM	36	20	20.02	20.03	20.02	19.91	21.5	0.5	
15	64QAM	36	39	20.00	20.02	19.91	19.81			
15	64QAM	36	58	20.07	19.99	20.03	19.95			
15	256QAM	1	0	17.97	18.00	17.98	17.99			
15	256QAM	1	37	17.99	18.04	18.05	17.94	19.5	2.5	
15	256QAM	1	74	17.93	18.00	17.93	17.87			
15	256QAM	36	0	18.10	18.07	17.83	17.85			
15	256QAM	36	20	17.98	18.10	18.00	17.93			
15	256QAM	36	39	18.02	17.96	18.04	17.91	19.5	2.5	
15	256QAM	36	58	17.94	18.04	17.98	17.86			
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.49	20.48	20.53	20.43			
10	QPSK	1	25	20.45	20.60	20.45	20.39	22	0	
10	QPSK	1	49	20.40	20.57	20.40	20.35			
10	QPSK	25	0	20.42	20.51	20.48	20.46			
10	QPSK	25	12	20.51	20.51	20.45	20.40	22	0	
10	QPSK	25	25	20.55	20.43	20.45	20.34			
10	QPSK	25	37	20.44	20.55	20.45	20.43			
10	16QAM	1	0	20.54	20.49	20.45	20.39			
10	16QAM	1	25	20.45	20.49	20.34	20.41	22	0	
10	16QAM	1	49	20.43	20.47	20.36	20.34			
10	16QAM	25	0	20.54	20.51	20.45	20.40			
10	16QAM	25	12	20.57	20.48	20.40	20.35			
10	16QAM	25	25	20.48	20.60	20.41	20.38	22	0	
10	16QAM	50	0	20.50	20.45	20.40	20.47			
10	64QAM	1	0	20.45	20.49	20.39	20.40	22	0	
10	64QAM	1	49	20.52	20.52	20.52	20.42			
10	64QAM	1	99	20.48	20.48	20.48	20.42			
10	256QAM	1	0	19.98	19.99	19.99	19.82			
10	256QAM	1	25	19.93	19.97	20.00	19.97	21.5	0.5	
10	256QAM	1	49	19.95	20.07	19.93	19.83			
10	256QAM	50	0	20.05	20.03	19.96	19.94			
10	256QAM	50	25	20.01	20.11	17.80	17.92			
10	256QAM	1	25	17.97	18.11	17.93	17.87	19.5	2.5	
10	256QAM	1	49	18.01	18.01	17.91	17.87			
10	256QAM	1	99	18.05	18.06	17.88	17.84			
10	256QAM	25	12	18.05	17.88	18.02	17.86	19.5	2.5	
10	256QAM	25	25	17.95	17.88	17.84	17.86			
10	256QAM	50	0	17.85	18.06	17.84	17.85			
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.52	20.56	20.48	20.40			
5	QPSK	1	12	20.54	20.59	20.51	20.45	22	0	
5	QPSK	1	25	20.50	20.51	20.45	20.31			
5	QPSK	12	0	20.45	20.50	20.45	20.44			
5	QPSK	12	7	20.51	20.56	20.39	20.47			
5	QPSK	12	14	20.50	20.44	20.39	20.38			
5	QPSK	25	0	20.41	20.58	20.44	20.47			
5	16QAM	1	0	20.49	20.49	20.52	20.39			
5	16QAM	1	12	20.51	20.59	20.39	20.42	22	0	
5	16QAM	1	25	20.48	20.49	20.49	20.42			
5	16QAM	12	0	20.45	20.54	20.54	20.42			
5	16QAM	12	7	20.56	20.56	20.49	20.40	22	0	
5	16QAM	12	14	20.45	20.60	20.45	20.33			
5	64QAM	1	0	20.46	20.51	20.46	20.40			
5	64QAM	1	12	20.46	20.51	20.41	20.38	22	0	
5	64QAM	1	25	20.56	20.60	20.49	20.40			
5	64QAM	12	0	19.97	20.02	20.02	19.79			
5	64QAM	12	7	18.89	20.02	19.95	19.94	21.5	0.5	
5	64QAM	12	14	19.94	20.02	19.86	19.88			
5	64QAM	25	0	19.92	20.06	19.96	19.88			
5	256QAM	1	0	18.05	18.03	17.95	17.89			
5	256QAM	1	24	17.97	18.08	18.00	17.89	19.5	2.5	
5	256QAM	1	49	17.96	18.09	17.95	17.84			
5	256QAM	1	99	17.94	18.11	17.99	17.88			
5	256QAM	12	0	17.97	18.02	18.01	17.85	19.5	2.5	
5	256QAM	12	7	17.88	18.04	17.86	17.82			

Band 4 Ant6 DSI 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mean Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.99	25.00	25.03	25.7	0				
20	QPSK	1	49	24.87	25.05	24.94						
20	QPSK	50	0	23.97	24.13	23.98						
20	QPSK	50	24	23.82	24.02	23.95	24.7	1				
20	QPSK	100	0	24.02	24.10	24.04						
20	16QAM	1	0	24.03	24.08	24.08						
20	16QAM	1	49	23.83	24.01	23.85	24.7	1				
20	16QAM	1	99	23.89	24.04	23.95						
20	16QAM	50	0	22.93	23.97	23.93	23.7	2				
20	16QAM	50	24	22.87	23.97	23.87						
20	16QAM	50	50	22.91	23.99	23.94	23.7	2				
20	16QAM	100	0	23.94	23.99	23.97						
20	16QAM	1	0	23.07	23.10	23.09	23.7	2				
20	16QAM	1	49	22.98	23.06	22.91						
20	16QAM	1	99	22.94	23.10	22.93	22.7	3				
20	16QAM	50	24	21.83	22.05	21.99						
20	16QAM	50	50	21.92	22.10	21.94	20.7	5				
20	256QAM	1	0	19.77	19.90	19.84						
20	256QAM	1	99	19.94	20.08	19.97	20.7	5				
20	256QAM	50	0	20.00	20.00	20.00						
20	256QAM	50	24	20.07	20.00	20.07	20.7	5				
20	256QAM	50	50	19.94	20.00	19.94						
20	256QAM	100	0	19.95	20.00	19.94	20.7	5				
20	256QAM	100	0	19.95	20.00	19.94						
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.93	25.03	24.92	25.7	0				
15	QPSK	1	97	24.81	25.19	24.84						
15	QPSK	1	74	24.79	24.98	24.90	24.7	1				
15	QPSK	36	0	23.83	24.07	23.93						
15	QPSK	36	36	23.74	23.85	23.84	24.7	1				
15	QPSK	36	36	23.88	23.87	23.87						
15	16QAM	1	0	23.95	24.04	23.95	24.7	1				
15	16QAM	1	37	23.88	23.97	23.88						
15	16QAM	1	74	23.92	24.00	23.92	23.7	2				
15	16QAM	36	0	22.93	23.00	22.89						
15	16QAM	36	20	22.79	22.88	22.79	23.7	2				
15	16QAM	36	20	22.85	22.95	22.85						
15	16QAM	75	0	22.93	23.05	22.98	23.7	2				
15	16QAM	1	0	23.02	23.05	23.00						
15	16QAM	1	37	23.00	23.05	23.00	22.7	3				
15	16QAM	1	74	22.92	23.05	22.95						
15	16QAM	36	0	21.91	21.98	21.94	22.7	3				
15	16QAM	36	36	21.85	21.91	21.85						
15	16QAM	36	36	21.91	21.90	21.90	20.7	5				
15	256QAM	1	0	19.77	19.90	19.84						
15	256QAM	1	74	19.88	19.97	19.92	20.7	5				
15	256QAM	36	0	19.93	19.98	19.96						
15	256QAM	36	20	19.95	19.97	19.93	20.7	5				
15	256QAM	36	36	19.88	19.92	19.87						
15	256QAM	75	0	19.88	19.92	19.90	20.7	5				
15	256QAM	75	0	19.88	19.92	19.90						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.73	24.73	24.76	25.7	0				
10	QPSK	1	25	24.75	24.90	24.90						
10	QPSK	1	49	24.85	25.00	24.99	24.7	1				
10	QPSK	25	0	23.72	23.89	23.82						
10	QPSK	25	25	23.77	23.83	23.83	24.7	1				
10	QPSK	25	25	23.82	23.89	23.85						
10	16QAM	1	0	23.99	24.02	24.03	24.7	1				
10	16QAM	1	25	23.87	23.89	23.87						
10	16QAM	1	49	23.85	23.92	23.86	23.7	2				
10	16QAM	25	0	22.92	22.94	22.95						
10	16QAM	25	12	22.76	22.90	22.94	23.7	2				
10	16QAM	25	12	22.84	22.93	22.94						
10	16QAM	50	0	22.93	23.01	22.98	23.7	2				
10	16QAM	1	0	23.03	23.03	23.01						
10	16QAM	1	49	22.91	23.04	22.95	22.7	3				
10	16QAM	25	0	21.86	22.05	21.92						
10	16QAM	25	12	21.84	22.02	21.94	20.7	5				
10	16QAM	25	25	21.78	21.99	21.84						
10	256QAM	1	0	19.76	19.87	19.85	20.7	5				
10	256QAM	1	25	19.70	19.89	19.86						
10	256QAM	1	49	19.82	19.96	19.94	20.7	5				
10	256QAM	25	0	19.90	19.94	19.95						
10	256QAM	25	12	19.95	19.91	19.94	20.7	5				
10	256QAM	25	25	19.83	19.95	19.92						
10	256QAM	50	0	19.83	19.92	19.91	20.7	5				
10	256QAM	50	0	19.83	19.92	19.91						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.73	24.73	24.76	25.7	0				
5	QPSK	1	12	24.78	24.89	24.83						
5	QPSK	1	24	24.82	24.86	24.93	24.7	1				
5	QPSK	12	0	23.84	24.04	23.94						
5	QPSK	12	7	23.75	23.83	23.87	24.7	1				
5	QPSK	12	13	23.83	23.86	23.94						
5	QPSK	25	0	23.88	24.03	24.02	24.7	1				
5	16QAM	1	0	23.98	24.00	24.05						
5	16QAM	1	12	23.79	23.94	23.82	23.7	2				
5	16QAM	1	24	23.85	23.95	23.90						
5	16QAM	12	0	22.85	23.03	22.95	23.7	2				
5	16QAM	12	7	22.77	22.90	22.99						
5	16QAM	12	13	22.78	23.02	22.91	23.7	2				
5	16QAM	25	0	22.91	23.03	23.02						
5	16QAM	1	0	23.05	23.10	23.02	23.7	2				
5	16QAM	1	12	22.90	23.18	22.95						
5	16QAM	1	24	22.88	23.04	22.83	22.7	3				
5	16QAM	12	0	21.83	21.87	21.94						
5	16QAM	12	7	21.75	21.92	21.91	22.7	3				
5	16QAM	12	13	21.84	22.08	21.82						
5	16QAM	25	0	21.96	21.99	21.98	20.7	5				
5	256QAM	1	0	19.60	19.91	19.94						
5	256QAM	1	12	19.65	19.90	19.91	20.7	5				
5	256QAM	1	24	19.69	19.92	19.94						
5	256QAM	12	0	19.91	19.96	19.99	20.7	5				
5	256QAM	12	7	19.98	19.99	20.01						
5	256QAM	12	13	19.85	19.97	19.95	20.7	5				
5	256QAM	25	0	19.82	19.90	19.94						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.93	24.97	24.92	25.7	0				
3	QPSK	1	8	24.82	24.97	24.84						
3	QPSK	1	14	24.79	24.96	24.99	24.7	1				
3	QPSK	8	0	23.81	24.07	23.95						
3	QPSK	8	4	23.73	23.88	23.88	24.7	1				
3	QPSK	7	0	23.81	23.90	23.94						
3	16QAM	1	0	23.95	24.04	23.95	24.7	1				
3	16QAM	1	49	23.83	24.01	23.85						
3	16QAM	1	99	23.89	24.04	23.95	23.7	2				
3	16QAM	50	0	22.93	23.97	23.93						
3	16QAM	50	24	22.87	23.97	23.87	23.7	2				
3	16QAM	50	50	22.91	23.99	23.94						
3	16QAM	100	0	23.94	23.99	23.97	23.7	2				
3	16QAM	1	0	23.07	23.10	23.09						
3	16QAM	1	49	22.98	23.06	22.91	23.7	2				
3	16QAM	1	99	22.94	23.10	22.93						
3	16QAM	50	24	21.83	22.05	21.99	22.7	3				
3	16QAM	50	50	21.92	22.10	21.94						
3	256QAM	1	0	19.77	19.90	19.84	20.7	5				
3	256QAM	1	99	19.94	20.08	19.97						
3	256QAM	50	0	20.00	20.00	20.00	20.7	5				
3	256QAM	50	24	20.07	20.00	20.07						
3	256QAM	50	50	19.94	20.00	19.94	20.7	5				
3	256QAM	100	0	19.95	20.00	19.95						
3	256QAM	100	0	19.95	20.00	19.95						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.94	24.98	24.93	25.7	0				
1.4	QPSK	1	3	24.78	24.94	24.96						
1.4	QPSK	1	3	24.78	24.94	24.96	24.7	1				
1.4	QPSK	3	0	24.85	24.94	24.89						
1.4	QPSK	3	3	24.75	24.88	24.84	24.7	1				
1.4	QPSK	3	3	24.81	24.85	24.80						
1.4	16QAM	1	0	23.96	23.99	24.02	24.7	1				
1.4	16QAM	1	3	23.88	23.95	23.87						
1.4	16QAM	1	3	23.88	23.95	23.87	23.7	2				
1.4	16QAM	3	1	23.79	23.95	23.97						
1.4	16QAM	3	3	23.74	23.93	23.79	23.7	2				
1.4	16QAM	3	3	23.82	23.95	23.77						
1.4	16QAM	3	3	23.82	23.95	23.77	23.7	2				
1.4	16QAM	3	1	22.82	22.92	22.83						
1.4	16QAM	3	1	22.82	22.92	22.83	22.7	3				
1.4	16QAM	3	1	21.80	22.04	21.89						
1.4	256QAM	1	0	19.89	19.95	19.94	20.7	5				
1.4	256QAM	1	3	19.88	19.92	19.91						
1.4	256QAM	1	3	19.87	19.90	19.87	20.7	5				
1.4	256QAM	3	0	19.96	19.94	19.94						
1.4	256QAM	3	0	19.96	19.94	19.94	20.7	5				
1.4	256QAM	3	3	19.89	19.90	19.86						

Band 38 Ant6 DSI 1										
BW [MHz]	Module ID	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn up (dBm)	MPR (dB)		
Channel Frequency (MHz)										
20	QPSK	1	0	24.46	24.45	24.43				
20	QPSK	1	49	24.42	24.44	24.39	25.5	0		
20	QPSK	1	99	24.42	24.41	24.36				
20	QPSK	50	0	23.43	23.40	23.40				
20	QPSK	50	24	23.44	23.40	23.37	24.5	1		
20	QPSK	100	0	23.43	23.44	23.39				
20	16QAM	1	0	23.44	23.42	23.46				
20	16QAM	1	49	23.48	23.43	23.39	24.5	1		
20	16QAM	1	99	23.47	23.42	23.40				
20	16QAM	50	0	22.42	22.40	22.40				
20	16QAM	50	24	22.47	22.44	22.36	23.5	2		
20	16QAM	100	0	22.38	22.50	22.38				
20	64QAM	1	49	22.43	22.41	22.38	23.5	2		
20	64QAM	1	99	22.47	22.47	22.44				
20	64QAM	50	0	21.39	21.48	21.43				
20	64QAM	50	24	21.41	21.40	21.42	22.5	3		
20	64QAM	100	0	21.47	21.47	21.44				
20	256QAM	1	49	19.48	19.40	19.39	20.5	5		
20	256QAM	1	99	19.38	19.30	19.32				
20	256QAM	50	0	19.42	19.39	19.40				
20	256QAM	50	24	19.40	19.39	19.40	20.5	5		
20	256QAM	100	0	19.48	19.39	19.39				
20	256QAM	100	0	19.50	19.47	19.42				
Channel Frequency (MHz)										
15	QPSK	1	0	24.43	24.45	24.30				
15	QPSK	1	37	24.29	24.40	24.32	25.5	0		
15	QPSK	1	74	24.38	24.33	24.22				
15	QPSK	36	0	23.39	23.34	23.28				
15	QPSK	36	20	23.34	23.37	23.33	24.5	1		
15	QPSK	36	39	23.37	23.34	23.16				
15	QPSK	75	0	23.41	23.33	23.26				
15	16QAM	1	37	23.37	23.33	23.33	24.5	1		
15	16QAM	1	37	23.44	23.37	23.37	24.5	1		
15	16QAM	1	74	23.40	23.39	23.33				
15	16QAM	36	0	22.37	22.36	22.26				
15	16QAM	36	20	22.37	22.36	22.28	23.5	2		
15	16QAM	36	39	22.37	22.30	22.19				
15	16QAM	75	0	22.25	22.40	22.28				
15	16QAM	75	0	22.40	22.31	22.24	23.5	2		
15	64QAM	1	74	22.40	22.31	22.24				
15	64QAM	1	74	22.42	22.25	22.25	22.5	3		
15	64QAM	36	0	21.27	21.39	21.43				
15	64QAM	36	20	21.30	21.27	21.37	22.5	3		
15	64QAM	36	39	21.27	21.37	21.24				
15	64QAM	75	0	21.26	21.21	21.30				
15	256QAM	1	0	19.32	19.23	19.36				
15	256QAM	1	74	19.31	19.19	19.30	20.5	5		
15	256QAM	36	0	19.32	19.23	19.34				
15	256QAM	36	20	19.32	19.23	19.34	20.5	5		
15	256QAM	36	39	19.42	19.31	19.39				
15	256QAM	75	0	19.43	19.38	19.28				
Channel Frequency (MHz)										
10	QPSK	1	0	24.34	24.40	24.33				
10	QPSK	1	25	24.16	24.34	24.26	25.5	0		
10	QPSK	1	49	24.22	24.26	24.35				
10	QPSK	25	0	23.33	23.33	23.30				
10	QPSK	25	12	23.31	23.30	23.26	24.5	1		
10	QPSK	25	25	23.32	23.29	23.38				
10	QPSK	50	0	23.30	23.40	23.28				
10	16QAM	1	0	23.36	23.40	23.42				
10	16QAM	1	25	23.39	23.33	23.28	24.5	1		
10	16QAM	1	49	23.12	23.27	23.23				
10	16QAM	25	0	22.35	22.43	22.34				
10	16QAM	25	12	22.38	22.31	22.28	23.5	2		
10	16QAM	25	25	22.36	22.26	22.21				
10	16QAM	50	0	22.28	22.36	22.28				
10	64QAM	1	0	22.34	22.36	22.37				
10	64QAM	1	25	22.40	22.32	22.29	23.5	2		
10	64QAM	1	49	22.08	22.25	22.23				
10	64QAM	25	0	21.52	21.42	21.32				
10	64QAM	25	12	21.34	21.43	21.39	22.5	3		
10	64QAM	25	25	21.36	21.29	21.27				
10	64QAM	50	0	21.38	21.27	21.36				
10	256QAM	1	0	19.26	19.34	19.35				
10	256QAM	1	25	19.44	19.31	19.33	20.5	5		
10	256QAM	1	49	19.27	19.27	19.28				
10	256QAM	25	0	19.33	19.27	19.32				
10	256QAM	25	12	19.42	19.33	19.43	20.5	5		
10	256QAM	25	25	19.40	19.36	19.38				
10	256QAM	50	0	19.37	19.32	19.37				
10	256QAM	50	0	19.40	19.34	19.38				
Channel Frequency (MHz)										
5	QPSK	1	0	24.35	24.38	24.32				
5	QPSK	1	12	24.20	24.23	24.32	25.5	0		
5	QPSK	1	24	24.26	24.34	24.27				
5	QPSK	12	0	23.34	23.36	23.45				
5	QPSK	12	7	23.31	23.31	23.25	24.5	1		
5	QPSK	12	13	23.31	23.20	23.32				
5	QPSK	25	0	23.32	23.33	23.36				
5	16QAM	1	0	23.36	23.33	23.43				
5	16QAM	1	12	23.23	23.33	23.31	24.5	1		
5	16QAM	1	24	23.37	23.36	23.34				
5	16QAM	12	0	22.39	22.37	22.27				
5	16QAM	12	7	22.39	22.34	22.23	23.5	2		
5	16QAM	12	13	22.27	22.22	22.19				
5	16QAM	25	0	22.27	22.45	22.35				
5	64QAM	1	0	22.43	22.37	22.33				
5	64QAM	1	12	22.26	22.28	22.36	23.5	2		
5	64QAM	1	24	22.28	22.44	22.31				
5	64QAM	12	0	21.25	21.45	21.32				
5	64QAM	12	7	21.36	21.36	21.31	22.5	3		
5	64QAM	12	13	21.21	21.21	21.18				
5	256QAM	1	0	21.43	21.38	21.40				
5	256QAM	1	12	19.45	19.32	19.28	20.5	5		
5	256QAM	1	24	19.27	19.29	19.31				
5	256QAM	12	0	19.31	19.34	19.34				
5	256QAM	12	7	19.45	19.33	19.36	20.5	5		
5	256QAM	12	13	19.20	19.25	19.30				
5	256QAM	25	0	19.49	19.44	19.43				

Band 41 Ant6 DSI 1										
BW [MHz]	Module ID	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up (dBm)	MPR (dB)	
Channel										
				36760	40165	44600	41055	41460		
20	QPSK	1	0	24.40	24.41	24.44	24.40	24.41		
20	QPSK	1	49	24.28	24.27	24.41	24.44	24.40	25.5	0
20	QPSK	1	99	24.30	24.29	24.40	24.47	24.32		
20	QPSK	50	0	23.42	23.40	23.50	23.40	23.44		
20	QPSK	50	24	23.24	23.33	23.38	23.44	23.31	24.5	1
20	QPSK	100	0	23.37	23.34	23.44	23.36	23.35		
20	QPSK	100	0	23.29	23.34	23.48	23.46	23.42		
20	16QAM	1	0	23.44	23.39	23.46	23.44	23.40		
20	16QAM	1	49	23.28	23.30	23.41	23.34	23.29	24.5	1
20	16QAM	1	99	23.24	23.32	23.34	23.34	23.29		
20	16QAM	50	0	22.41	22.36	22.36	22.36	22.48		
20	16QAM	50	24	22.27	22.37	22.32	22.32	22.48	23.5	2
20	16QAM	100	0	22.40	22.35	22.45	22.48	22.45		
20	16QAM	100	0	22.45	22.43	22.44	22.44	22.45		
20	64QAM	1	49	22.28	22.29	22.46	22.37	22.26	23.5	2
20	64QAM	1	99	22.19	22.29	22.37	22.31	22.21		
20	64QAM	50	0	21.37	21.41	21.33	21.36	21.41		
20	64QAM	50	24	21.28	21.31	21.33	21.33	21.41	22.5	3
20	64QAM	100	0	21.37	21.30	21.42	21.44	21.37		
20	256QAM	1	49	19.29	19.28	19.33	19.50	19.23	20.5	5
20	256QAM	1	99	19.32	19.33	19.36	19.34	19.36		
20	256QAM	50	0	19.39	19.29	19.47	19.43	19.41		
20	256QAM	50	24	19.50	19.43	19.50	19.50	19.43	20.5	5
20	256QAM	100	0	19.26	19.32	19.37	19.33	19.33		
20	256QAM	100	0	19.21	19.30	19.32	19.31	19.31		
Channel										
				36720	40173	44602	41059	41515		
15	QPSK	1	0	24.32	24.43	24.39	24.43	24.35		
15	QPSK	1	37	24.16	24.16	24.33	24.30	24.34	26	0
15	QPSK	1	74	24.25	24.20	24.29	24.25	24.27		
15	QPSK	36	0	23.18	23.26	23.29	23.35	23.31		
15	QPSK	36	39	23.18	23.26	23.29	23.35	23.25	24.5	1
15	QPSK	36	72	23.19	23.26	23.37	23.26	23.23		
15	QPSK	36	108	23.19	23.26	23.37	23.41	23.25		
15	16QAM	1	0	23.31	23.27	23.34	23.34	23.30		
15	16QAM	1	37	23.22	23.23	23.31	23.31	23.23	24.5	1
15	16QAM	1	74	23.18	23.27	23.26	23.24	23.21		
15	16QAM	36	0	22.28	22.29	22.36	22.36	22.38		
15	16QAM	36	39	22.19	22.31	22.32	22.35	22.18	23.5	2
15	16QAM	36	72	22.21	22.14	22.24	22.33	22.23		
15	16QAM	36	108	22.37	22.22	22.41	22.36	22.36		
15	64QAM	1	37	22.28	22.28	22.34	22.34	22.38	23.5	2
15	64QAM	1	74	22.12	22.25	22.24	22.20	22.29		
15	64QAM	36	0	21.27	21.37	21.43	21.43	21.41	22.5	3
15	64QAM	36	39	21.15	21.30	21.24	21.37	21.16		
15	64QAM	36	72	21.17	21.29	21.37	21.24	21.31		
15	64QAM	36	108	21.26	21.21	21.30	21.41	21.34		
15	256QAM	1	0	19.32	19.39	19.46	19.31	19.31	20.5	5
15	256QAM	1	37	19.18	19.22	19.27	19.45	19.18		
15	256QAM	1	74	19.24	19.30	19.31	19.27	19.27		
15	256QAM	36	0	19.32	19.39	19.46	19.31	19.31	20.5	5
15	256QAM	36	39	19.42	19.34	19.42	19.33	19.33		
15	256QAM	36	72	19.22	19.28	19.32	19.19	19.19		
15	256QAM	36	108	19.10	19.22	19.18	19.21	19.23		
Channel										
				36051	36457	36963	36460	36865		
10	QPSK	1	0	24.34	24.31	24.35	24.32	24.38		
10	QPSK	1	25	24.16	24.24	24.28	24.31	24.18	26	0
10	QPSK	1	49	24.28	24.28	24.28	24.28	24.28		
10	QPSK	25	0	23.31	23.29	23.43	23.28	23.32		
10	QPSK	25	12	23.14	23.22	23.30	23.41	23.14	24.5	1
10	QPSK	25	25	23.20	23.28	23.38	23.35	23.38		
10	QPSK	25	37	23.32	23.28	23.38	23.35	23.39		
10	16QAM	1	0	23.39	23.34	23.39	23.39	23.33		
10	16QAM	1	25	23.17	23.22	23.31	23.23	23.18	24.5	1
10	16QAM	1	49	23.29	23.31	23.32	23.29	23.31		
10	16QAM	25	0	22.31	22.32	22.50	22.33	22.44		
10	16QAM	25	12	22.22	22.32	22.20	22.32	22.09	23.5	2
10	16QAM	25	25	22.28	22.28	22.28	22.28	22.28		
10	16QAM	25	37	22.27	22.27	22.34	22.34	22.34	23.5	2
10	64QAM	1	0	22.38	22.38	22.33	22.33	22.42		
10	64QAM	1	25	22.23	22.17	22.33	22.27	22.18	23.5	2
10	64QAM	1	49	22.28	22.28	22.28	22.28	22.28		
10	64QAM	25	0	21.23	21.34	21.46	21.25	21.33		
10	64QAM	25	12	21.17	21.34	21.21	21.42	21.16	22.5	3
10	64QAM	25	25	21.18	21.24	21.43	21.24	21.36		
10	64QAM	25	37	21.20	21.20	21.32	21.29	21.41		
10	256QAM	1	0	19.38	19.31	19.33	19.33	19.37		
10	256QAM	1	25	19.22	19.19	19.24	19.47	19.11	20.5	5
10	256QAM	1	49	19.28	19.22	19.31	19.27	19.30		
10	256QAM	25	0	19.38	19.28	19.32	19.32	19.32	20.5	5
10	256QAM	25	12	19.42	19.33	19.43	19.37	19.31		
10	256QAM	25	25	19.31	19.25	19.25	19.28	19.27		
10	256QAM	25	37	19.36	19.28	19.34	19.32	19.39		
Channel										
				36015	36418	36923	41003	41516		
5	QPSK	1	0	24.35	24.58	24.60	24.60	24.57		
5	QPSK	1	0	24.37	24.35	24.36	24.39	24.35		
5	QPSK	1	24	24.20	24.21	24.21	24.21	24.21	26	0
5	QPSK	1	24	24.21	24.21	24.34	24.28	24.23		
5	QPSK	12	0	23.28	23.36	23.45	23.34	23.38		
5	QPSK	12	7	23.14	23.31	23.20	23.38	23.14	24.5	1
5	QPSK	12	14	23.22	23.20	23.28	23.23	23.32		
5	16QAM	1	0	23.33	23.25	23.43	23.35	23.32		
5	16QAM	1	24	23.41	23.25	23.36	23.30	23.28		
5	16QAM	12	0	23.30	23.30	23.32	23.32	23.32	24.5	1
5	16QAM	1	24	23.17	23.18	23.30	23.28	23.15		
5	16QAM	12	0	22.38	22.28	22.45	22.33	22.39		
5	16QAM	12	7	22.24	22.28	22.26	22.28	22.10	23.5	2
5	16QAM	12	14	22.28	22.28	22.28	22.28	22.28		
5	64QAM	1	0	22.31	22.23	22.38	22.44	22.41		
5	64QAM	1	0	22.40	22.28	22.36	22.31	22.23		
5	64QAM	12	0	22.26	22.19	22.29	22.29	22.29	23.5	2
5	64QAM	12	7	21.24	21.35	21.45	21.30	21.36		
5	64QAM	12	7	21.23	21.59	21.24	21.35	21.33	22.5	3
5	256QAM	1	0	19.32	19.18	19.25	19.44	19.20	20.5	5
5	256QAM	1	12	19.21	19.21	19.21	19.21	19.21		
5	256QAM	12	0	19.25	19.24	19.41	19.37	19.29		
5	256QAM	12	7	19.45	19.33	19.44	19.28	19.31	20.5	5
5	256QAM	12	13	19.25	19.35	19.29	19.20	19.28		

Band 4 Ant7 DSI 1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.41	19.55	19.32	20.0	0						
20	QPSK	1	8	19.47	19.53	19.40								
20	QPSK	1	96	19.38	19.53	19.34	20.0	0						
20	QPSK	50	0	19.44	19.55	19.37								
20	QPSK	50	24	19.45	19.52	19.33	20.0	0						
20	QPSK	50	50	19.47	19.53	19.32								
20	QPSK	100	0	19.50	19.54	19.33	20.0	0						
20	QPSK	100	0	19.40	19.53	19.41								
20	16QAM	1	48	19.40	19.45	19.33	20.0	0						
20	16QAM	1	56	19.43	19.46	19.41								
20	16QAM	50	0	19.39	19.53	19.35	20.0	0						
20	16QAM	50	24	19.46	19.49	19.38								
20	16QAM	50	50	19.48	19.52	19.41	20.0	0						
20	16QAM	100	0	19.47	19.49	19.33								
20	16QAM	1	0	19.46	19.55	19.35	20.0	0						
20	16QAM	1	48	19.42	19.48	19.36								
20	16QAM	1	96	19.41	19.46	19.39	20.0	0						
20	16QAM	50	0	19.45	19.50	19.33								
20	16QAM	50	24	19.41	19.54	19.31	20.0	0						
20	16QAM	50	50	19.46	19.53	19.38								
20	16QAM	100	0	19.45	19.55	19.31	20.0	0						
20	16QAM	1	0	19.46	19.55	19.35								
20	256QAM	1	0	19.42	19.50	19.32	18.0	2						
20	256QAM	1	96	17.47	17.49	17.30								
20	256QAM	1	56	17.46	17.51	17.32	18.0	2						
20	256QAM	50	24	17.42	17.45	17.37								
20	256QAM	50	24	17.42	17.45	17.37	18.0	2						
20	256QAM	50	50	17.43	17.52	17.29								
20	256QAM	100	0	17.50	17.53	17.38	18.0	2						
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.13	19.48	19.18	20.0	0						
15	QPSK	1	8	19.17	19.47	19.33								
15	QPSK	1	74	19.31	19.42	19.29	20.0	0						
15	QPSK	36	0	19.30	19.42	19.32								
15	QPSK	36	36	19.37	19.48	19.29	20.0	0						
15	QPSK	36	36	19.41	19.42	19.16								
15	QPSK	75	0	19.26	19.49	19.23	20.0	0						
15	QPSK	75	0	19.26	19.49	19.23								
15	16QAM	1	0	19.26	19.43	19.19	20.0	0						
15	16QAM	1	37	19.32	19.36	19.35								
15	16QAM	1	74	19.35	19.48	19.19	20.0	0						
15	16QAM	36	0	19.23	19.48	19.19								
15	16QAM	36	20	19.35	19.34	19.33	20.0	0						
15	16QAM	36	36	19.34	19.37	19.32								
15	16QAM	75	0	19.37	19.50	19.24	20.0	0						
15	16QAM	1	0	19.41	19.47	19.19								
15	16QAM	1	37	19.37	19.40	19.26	20.0	0						
15	16QAM	1	74	19.34	19.35	19.23								
15	16QAM	36	0	19.40	19.45	19.26	20.0	0						
15	16QAM	36	36	19.40	19.46	19.31								
15	256QAM	1	0	19.37	19.50	19.24	20.0	0						
15	256QAM	1	0	17.34	17.45	17.26								
15	256QAM	1	37	17.34	17.40	17.14	18.0	2						
15	256QAM	1	74	17.40	17.46	17.16								
15	256QAM	36	0	17.35	17.42	17.25	18.0	2						
15	256QAM	36	20	17.29	17.33	17.25								
15	256QAM	36	36	17.30	17.39	17.23	18.0	2						
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.13	19.48	19.18					20.0	0		
10	QPSK	1	8	19.17	19.47	19.33								
10	QPSK	1	74	19.31	19.42	19.29	20.0	0						
10	QPSK	36	0	19.30	19.42	19.32								
10	QPSK	36	36	19.37	19.48	19.29	20.0	0						
10	QPSK	36	36	19.41	19.42	19.16								
10	QPSK	75	0	19.26	19.49	19.23	20.0	0						
10	QPSK	75	0	19.26	19.49	19.23								
10	16QAM	1	0	19.26	19.43	19.19	20.0	0						
10	16QAM	1	37	19.32	19.36	19.35								
10	16QAM	1	74	19.35	19.48	19.19	20.0	0						
10	16QAM	36	0	19.23	19.48	19.19								
10	16QAM	36	20	19.35	19.34	19.33	20.0	0						
10	16QAM	36	36	19.34	19.37	19.32								
10	16QAM	75	0	19.37	19.50	19.24	20.0	0						
10	16QAM	1	0	19.41	19.47	19.19								
10	16QAM	1	37	19.37	19.40	19.26	20.0	0						
10	16QAM	1	74	19.34	19.35	19.23								
10	16QAM	36	0	19.40	19.45	19.26	20.0	0						
10	16QAM	36	36	19.40	19.46	19.31								
10	256QAM	1	0	19.37	19.50	19.24	20.0	0						
10	256QAM	1	0	17.34	17.45	17.26								
10	256QAM	1	37	17.34	17.40	17.14	18.0	2						
10	256QAM	1	74	17.40	17.46	17.16								
10	256QAM	36	0	17.35	17.42	17.25	18.0	2						
10	256QAM	36	20	17.29	17.33	17.25								
10	256QAM	36	36	17.30	17.39	17.23	18.0	2						
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.23	19.46	19.36					20.0	0		
5	QPSK	1	8	19.36	19.43	19.28								
5	QPSK	1	48	19.40	19.40	19.40	20.0	0						
5	QPSK	8	0	19.39	19.35	19.29								
5	QPSK	8	4	19.34	19.43	19.17	20.0	0						
5	QPSK	8	4	19.42	19.40	19.35								
5	QPSK	16	0	19.34	19.45	19.21	20.0	0						
5	QPSK	16	0	19.33	19.49	19.27								
5	16QAM	1	0	19.23	19.40	19.27	20.0	0						
5	16QAM	1	8	19.33	19.38	19.31								
5	16QAM	1	16	19.37	19.39	19.31	20.0	0						
5	16QAM	8	0	19.28	19.43	19.21								
5	16QAM	8	4	19.33	19.41	19.21	20.0	0						
5	16QAM	8	4	19.40	19.39	19.25								
5	16QAM	16	0	19.35	19.47	19.22	20.0	0						
5	16QAM	16	0	19.37	19.47	19.29								
5	16QAM	8	8	19.37	19.35	19.27	20.0	0						
5	16QAM	8	8	19.44	19.43	19.28								
5	16QAM	16	0	19.34	19.40	19.18	20.0	0						
5	16QAM	16	0	19.39	19.48	19.28								
5	256QAM	1	0	17.27	17.45	17.26	18.0	2						
5	256QAM	1	8	17.37	17.44	17.22								
5	256QAM	1	8	17.35	17.44	17.19	18.0	2						
5	256QAM	8	0	17.28	17.42	17.24								
5	256QAM	8	7	17.28	17.47	17.18	18.0	2						
5	256QAM	8	7	17.38	17.47	17.18								
5	256QAM	16	0	17.31	17.48	17.23	18.0	2						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	19.13	19.41	19.26	20.0	0						
1.4	QPSK	1	8	19.25	19.41	19.29								
1.4	QPSK	1	96	19.30	19.41	19.27	20.0	0						
1.4	QPSK	50	0	19.34	19.41	19.32								
1.4	QPSK	50	24	19.35	19.39	19.25	20.0	0						
1.4	QPSK	50	50	19.37	19.39	19.32								
1.4	QPSK	3	0	19.32	19.39	19.25	20.0	0						
1.4	QPSK	3	0	19.32	19.39	19.25								
1.4	16QAM	1	0	19.23	19.36	19.18	20.0	0						
1.4	16QAM	1	8	19.31	19.41	19.29								
1.4	16QAM	1	96	19.30	19.37	19.18	20.0	0						
1.4	16QAM	3	0	19.30	19.35	19.34								
1.4	16QAM	3	24	19.39	19.48	19.28	20.0	0						
1.4	16QAM	3	24	19.40	19.48	19.28								
1.4	16QAM	3	96	19.31	19.39	19.23	20.0	0						
1.4	16QAM	3	96	19.34	19.33	19.34								
1.4	16QAM	9	0	19.32	19.46	19.21	20.0	0						
1.4	16QAM	9	0	19.34	19.45	19.24								
1.4	16QAM	9	96	19.30	19.43	19.25	20.0	0						
1.4	16QAM	9	96	19.32	19.43	19.25								
1.4	256QAM	1	0	17.28	17.39	17.16	18.0	2						
1.4	256QAM	1	8	17.34	17.42	17.22								
1.4	256QAM	1	8	17.32	17.39	17.16	18.0	2						
1.4	256QAM	8	0	17.27	17.42	17.25								
1.4	256QAM	8	7	17.27	17.42	17.25	18.0	2						
1.4	256QAM	8	7	17.37	17.42	17.25								

Band 38 Ant7 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				37950	38000	38150							
Frequency (MHz)				2560	2595	2610							
20	QPSK	1	0	20.83	21.01	20.92	22.1	0					
20	QPSK	1	49	20.87	20.94	20.95							
20	QPSK	1	99	20.85	20.90	20.85							
20	QPSK	50	0	20.84	20.96	20.89							
20	QPSK	50	24	20.85	20.95	20.88	22.1	0					
20	QPSK	50	50	20.83	20.95	20.89							
20	QPSK	100	0	20.86	20.89	20.84							
20	16QAM	1	0	20.84	20.95	20.83							
20	16QAM	1	49	20.83	20.89	20.85	22.1	0					
20	16QAM	1	99	20.80	20.96	20.85							
20	16QAM	50	0	20.31	20.52	20.40							
20	16QAM	50	24	20.38	20.40	20.49							
20	16QAM	50	50	20.33	20.37	20.34	21.8	0.5					
20	16QAM	100	0	20.33	20.40	20.36							
20	16QAM	1	0	20.40	20.44	20.42							
20	64QAM	1	49	20.31	20.47	20.38							
20	64QAM	1	99	20.32	20.42	20.39	21.8	0.5					
20	64QAM	50	0	19.86	19.98	19.97							
20	64QAM	50	24	19.79	19.96	19.91							
20	64QAM	50	50	19.87	19.98	19.91							
20	64QAM	100	0	19.77	20.03	19.91	20.6	1.5					
20	256QAM	1	0	17.86	17.97	17.89							
20	256QAM	1	49	17.87	17.96	17.84							
20	256QAM	1	99	17.78	18.02	17.87							
20	256QAM	50	0	17.79	18.03	17.87	18.6	3.5					
20	256QAM	50	24	17.82	17.96	17.89							
20	256QAM	50	50	17.87	18.02	17.95							
20	256QAM	100	0	17.88	17.95	17.98							
Channel				37625	38000	38175							
Frequency (MHz)				2577.5	2595	2612.5							
15	QPSK	1	0	20.71	20.85	20.83	22.1	0					
15	QPSK	1	49	20.75	20.89	20.85							
15	QPSK	1	74	20.77	20.78	20.80							
15	QPSK	36	0	20.74	20.79	20.78							
15	QPSK	36	20	20.76	20.90	20.83	22.1	0					
15	QPSK	36	39	20.73	20.91	20.82							
15	QPSK	75	0	20.80	20.77	20.78							
15	16QAM	1	0	20.72	20.89	20.74							
15	16QAM	1	37	20.83	20.74	20.77	22.1	0					
15	16QAM	1	74	20.79	20.82	20.73							
15	16QAM	36	0	20.21	20.33	20.35							
15	16QAM	36	20	20.23	20.33	20.24							
15	16QAM	36	39	20.30	20.25	20.30	21.6	0.5					
15	16QAM	75	0	20.20	20.28	20.34							
15	16QAM	75	0	20.20	20.36	20.27							
15	64QAM	1	37	20.28	20.39	20.35							
15	64QAM	1	74	20.34	20.27	20.24	21.6	0.5					
15	64QAM	36	0	19.80	19.92	19.79							
15	64QAM	36	20	19.67	19.86	19.86							
15	64QAM	36	39	19.75	19.92	19.91							
15	64QAM	75	0	19.67	19.94	19.80	20.6	1.5					
15	256QAM	1	0	17.75	17.83	17.82							
15	256QAM	1	37	17.74	17.90	17.84							
15	256QAM	1	74	17.79	17.90	17.85							
15	256QAM	36	0	17.67	17.93	17.72	18.6	3.5					
15	256QAM	36	20	17.66	17.81	17.83							
15	256QAM	36	39	17.80	17.88	17.87							
15	256QAM	75	0	17.78	17.81	17.90							
Channel				37500	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	20.68	20.88	20.81	22.1	0					
10	QPSK	1	25	20.79	20.86	20.80							
10	QPSK	1	49	20.78	20.79	20.89							
10	QPSK	25	0	20.78	20.83	20.81							
10	QPSK	25	12	20.73	20.80	20.83	22.1	0					
10	QPSK	25	25	20.68	20.80	20.83							
10	QPSK	50	0	20.81	20.79	20.78							
10	16QAM	1	0	20.71	20.87	20.74							
10	16QAM	1	25	20.89	20.78	20.70	22.1	0					
10	16QAM	1	49	20.84	20.86	20.71							
10	16QAM	25	0	20.14	20.35	20.36							
10	16QAM	25	12	20.35	20.24	20.25							
10	16QAM	25	25	20.32	20.35	20.17	21.6	0.5					
10	16QAM	50	0	20.31	20.33	20.27							
10	64QAM	1	0	20.23	20.24	20.34							
10	64QAM	1	25	20.19	20.32	20.30							
10	64QAM	1	49	20.25	20.24	20.28	20.8	1.5					
10	64QAM	25	0	19.70	19.84	19.78							
10	64QAM	25	12	19.67	19.86	19.85							
10	64QAM	25	25	19.81	19.91	19.91							
10	64QAM	50	0	19.72	19.89	19.87	20.6	1.5					
10	256QAM	1	0	17.80	17.88	17.75							
10	256QAM	1	25	17.75	17.81	17.82							
10	256QAM	1	49	17.64	17.94	17.78							
10	256QAM	25	0	17.69	17.92	17.82	18.6	3.5					
10	256QAM	25	12	17.70	17.86	17.78							
10	256QAM	25	25	17.77	17.91	17.82							
10	256QAM	50	0	17.82	17.88	17.85							
Channel				37775	38000	38225							
Frequency (MHz)				2624.5	2624	2617.5							
5	QPSK	1	0	20.75	20.85	20.87	22.1	0					
5	QPSK	1	12	20.78	20.82	20.83							
5	QPSK	1	24	20.71	20.83	20.70							
5	QPSK	12	0	20.79	20.84	20.80							
5	QPSK	12	7	20.79	20.81	20.81	22.1	0					
5	QPSK	12	13	20.73	20.89	20.84							
5	QPSK	25	0	20.71	20.83	20.79							
5	16QAM	1	0	20.69	20.85	20.88							
5	16QAM	1	12	20.78	20.81	20.77	22.1	0					
5	16QAM	1	24	20.86	20.81	20.78							
5	16QAM	12	0	20.29	20.37	20.39							
5	16QAM	12	7	20.28	20.33	20.38							
5	16QAM	12	13	20.23	20.33	20.25	21.6	0.5					
5	16QAM	25	0	20.27	20.29	20.29							
5	64QAM	1	0	20.27	20.35	20.36							
5	64QAM	1	12	20.19	20.35	20.36							
5	64QAM	1	24	20.19	20.29	20.28	20.6	1.5					
5	64QAM	12	0	19.81	19.83	19.79							
5	64QAM	12	7	19.65	19.83	19.79							
5	64QAM	12	13	19.78	19.89	19.88							
5	64QAM	25	0	19.72	19.90	19.81	18.6	3.5					
5	256QAM	1	0	17.78	17.86	17.79							
5	256QAM	1	12	17.77	17.80	17.79							
5	256QAM	1	24	17.70	17.98	17.75							
5	256QAM	12	0	17.75	17.91	17.82							
5	256QAM	12	7	17.72	17.86	17.82							
5	256QAM	12	13	17.71	17.87	17.83							
5	256QAM	25	0	17.76	17.85	17.87							

Band 42 Ant10 DSI 1									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune- up time (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	23.52	23.52	23.49	24.7	0	
20	QPSK	1	49	23.39	23.52	23.43			
20	QPSK	1	99	23.48	23.50	23.45			
20	QPSK	50	0	22.55	22.59	22.53	23.7	1	
20	QPSK	50	24	22.37	22.51	22.45			
20	QPSK	50	50	22.51	22.50	22.42			
20	QPSK	100	0	22.48	22.52	22.54	23.7	1	
20	16QAM	1	0	22.55	22.53	22.52			
20	16QAM	1	49	22.43	22.53	22.45			
20	16QAM	1	99	22.45	22.54	22.42	22.7	2	
20	16QAM	50	0	21.50	21.57	21.56			
20	16QAM	50	24	21.41	21.45	21.49			
20	16QAM	50	50	21.56	21.55	21.40	21.7	3	
20	16QAM	100	0	21.46	21.53	21.58			
20	64QAM	1	0	21.53	21.48	21.54			
20	64QAM	1	49	21.41	21.55	21.48	22.7	2	
20	64QAM	1	99	21.41	21.60	21.38			
20	64QAM	50	0	20.51	20.64	20.55			
20	64QAM	50	24	20.38	20.56	20.40	19.7	5	
20	64QAM	50	50	20.46	20.51	20.44			
20	64QAM	100	0	20.50	20.53	20.51			
20	256QAM	1	0	18.57	18.64	18.50	19.7	5	
20	256QAM	1	49	18.42	18.49	18.39			
20	256QAM	1	99	18.57	18.56	18.46			
20	256QAM	50	0	18.48	18.56	18.49	19.7	5	
20	256QAM	50	24	18.59	18.50	18.54			
20	256QAM	50	50	18.46	18.50	18.43			
20	256QAM	100	0	18.40	18.57	18.47	Turn- up time	MPR (dB)	
Channel				42105	42590	43075			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	23.41	23.52	23.42	24.7	0	
15	QPSK	1	37	23.26	23.48	23.34			
15	QPSK	1	74	23.36	23.45	23.37			
15	QPSK	36	0	22.52	22.52	22.50	23.7	1	
15	QPSK	36	20	22.30	22.44	22.42			
15	QPSK	36	39	22.47	22.45	22.31			
15	QPSK	75	0	22.39	22.47	22.47	23.7	1	
15	16QAM	1	0	22.51	22.42	22.46			
15	16QAM	1	37	22.38	22.41	22.41			
15	16QAM	1	74	22.32	22.45	22.38	22.7	2	
15	16QAM	36	0	21.43	21.52	21.52			
15	16QAM	36	20	21.36	21.34	21.37			
15	16QAM	36	39	21.48	21.45	21.33	22.7	2	
15	16QAM	75	0	21.36	21.42	21.55			
15	64QAM	1	0	21.48	21.40	21.41			
15	64QAM	1	37	21.31	21.52	21.41	21.7	3	
15	64QAM	1	74	21.35	21.56	21.35			
15	64QAM	36	0	20.46	20.56	20.47			
15	64QAM	36	20	20.26	20.53	20.36	19.7	5	
15	64QAM	36	39	20.42	20.45	20.33			
15	16QAM	75	0	20.46	20.45	20.44			
15	256QAM	1	0	18.52	18.54	18.46	19.7	5	
15	256QAM	1	37	18.39	18.35	18.27			
15	256QAM	1	74	18.44	18.51	18.43			
15	256QAM	36	0	18.37	18.50	18.41	19.7	5	
15	256QAM	36	20	18.51	18.39	18.48			
15	256QAM	36	39	18.44	18.41	18.38			
15	256QAM	75	0	18.28	18.43	18.42	Turn- up time	MPR (dB)	
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	23.35	23.48	23.44	24.7	0	
10	QPSK	1	25	23.27	23.39	23.37			
10	QPSK	1	49	23.35	23.36	23.39			
10	QPSK	25	0	22.45	22.53	22.39	23.7	1	
10	QPSK	25	12	22.27	22.40	22.41			
10	QPSK	25	25	22.48	22.41	22.33			
10	QPSK	50	0	22.39	22.53	22.46	23.7	1	
10	16QAM	1	0	22.45	22.41	22.38			
10	16QAM	1	25	22.38	22.42	22.43			
10	16QAM	1	49	22.34	22.51	22.38	22.7	2	
10	16QAM	25	0	21.37	21.47	21.47			
10	16QAM	25	12	21.32	21.32	21.39			
10	16QAM	25	25	21.43	21.51	21.34	22.7	2	
10	16QAM	50	0	21.33	21.46	21.51			
10	64QAM	1	0	21.45	21.40	21.51			
10	64QAM	1	25	21.35	21.45	21.38	21.7	3	
10	64QAM	1	49	21.30	21.58	21.34			
10	64QAM	25	0	20.39	20.51	20.47			
10	64QAM	25	12	20.31	20.47	20.34	19.7	5	
10	64QAM	25	25	20.41	20.37	20.31			
10	64QAM	50	0	20.43	20.50	20.44			
10	256QAM	1	0	18.52	18.60	18.38	19.7	5	
10	256QAM	1	25	18.32	18.47	18.29			
10	256QAM	1	49	18.50	18.42	18.36			
10	256QAM	25	0	18.37	18.51	18.46	19.7	5	
10	256QAM	25	12	18.55	18.38	18.51			
10	256QAM	25	25	18.45	18.44	18.30			
10	256QAM	50	0	18.30	18.45	18.36	Turn- up time	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	23.50	23.51	23.36	24.7	0	
5	QPSK	1	12	23.26	23.40	23.34			
5	QPSK	1	24	23.40	23.39	23.37			
5	QPSK	12	0	22.44	22.45	22.44	23.7	1	
5	QPSK	12	7	22.35	22.45	22.40			
5	QPSK	12	13	22.46	22.39	22.32			
5	QPSK	25	0	22.37	22.50	22.48	23.7	1	
5	16QAM	1	0	22.49	22.40	22.40			
5	16QAM	1	12	22.31	22.48	22.40			
5	16QAM	1	24	22.40	22.46	22.32	22.7	2	
5	16QAM	12	0	21.45	21.54	21.52			
5	16QAM	12	7	21.37	21.40	21.35			
5	16QAM	12	13	21.44	21.46	21.33	22.7	2	
5	16QAM	25	0	21.40	21.48	21.45			
5	64QAM	1	0	21.44	21.41	21.49			
5	64QAM	1	12	21.32	21.51	21.40	21.7	3	
5	64QAM	1	24	21.31	21.57	21.25			
5	64QAM	12	0	20.40	20.61	20.46			
5	64QAM	12	7	20.31	20.46	20.38	19.7	5	
5	64QAM	12	13	20.34	20.44	20.31			
5	64QAM	25	0	20.38	20.45	20.45			
5	256QAM	1	0	18.49	18.61	18.46	19.7	5	
5	256QAM	1	12	18.30	18.41	18.26			
5	256QAM	1	24	18.52	18.53	18.40			
5	256QAM	12	0	18.36	18.49	18.44	19.7	5	
5	256QAM	12	7	18.55	18.45	18.47			
5	256QAM	12	13	18.39	18.38	18.36			
5	256QAM	25	0	18.29	18.53	18.40			

Reduced Power Mode for DSI3_Other PA

Band 4 Ant5 DSI 3										Band 7 Ant5 DSI 3										
RF [MHz]	Module on Channel	RB Size	RB Offset	Power Low Ch. Freq. 20065	Power Mode 20175	Power High Ch. Freq. 20360	Power up limit (dBm)	Tune-up time (sec)	MPR (dB)	RF [MHz]	Module on Channel	RB Size	RB Offset	Power Low Ch. Freq. 20065	Power Mode 20175	Power High Ch. Freq. 21350	Power up limit (dBm)	Tune-up time (sec)	MPR (dB)	
Channel										Channel										
Frequency (MHz)										Frequency (MHz)										
20	QPSK	1	0	18.82	18.82	18.88	18.8	0		20	QPSK	1	5	17.84	17.99	17.73	17.8	0		
20	QPSK	1	49	18.81	18.85	18.88				20	QPSK	1	49	17.78	17.87	17.78	18.8	0		
20	QPSK	50	0	18.82	18.82	18.88				20	QPSK	50	5	17.84	17.87	17.81				
20	QPSK	50	24	18.90	18.97	18.98				20	QPSK	50	24	17.86	17.82	17.79	18.8	0		
20	QPSK	100	0	18.82	18.84	18.82				20	QPSK	100	5	17.80	17.80	17.81				
20	16QAM	1	0	18.84	18.82	18.82				20	16QAM	1	5	17.84	17.80	17.76				
20	16QAM	1	40	18.87	18.89	18.91	20.2	0		20	16QAM	1	49	17.85	17.81	17.78	18.8	0		
20	16QAM	1	56	18.96	18.92	18.95				20	16QAM	1	99	17.84	17.81	17.72				
20	16QAM	50	0	18.89	18.91	18.91				20	16QAM	50	5	17.76	17.81	17.89				
20	16QAM	50	24	18.94	18.89	18.90	20.2	0		20	16QAM	50	24	17.83	17.81	17.78	18.8	0		
20	16QAM	50	50	18.99	18.91	18.95				20	16QAM	50	50	17.76	17.88	17.77	18.8	0		
20	16QAM	100	0	18.81	18.83	18.82				20	16QAM	100	5	17.81	17.81	17.89				
20	16QAM	1	49	18.84	18.90	18.89				20	16QAM	1	49	17.83	17.88	17.74	18.8	0		
20	16QAM	50	0	18.91	18.93	18.95				20	16QAM	50	5	17.79	17.80	17.78				
20	16QAM	50	24	18.99	18.90	18.92	20.2	0		20	16QAM	50	24	17.83	17.84	17.82	18.8	0		
20	16QAM	50	50	18.86	18.90	18.97				20	16QAM	50	50	17.77	17.86	17.74	18.8	0		
20	16QAM	100	0	18.93	18.92	18.91				20	16QAM	100	5	17.81	17.87	17.82				
20	256QAM	1	0	18.99	18.90	18.98				20	256QAM	1	5	18.37	18.30	18.28				
20	256QAM	1	40	18.99	18.97	18.94	18.2	2		20	256QAM	1	39	18.35	18.37	18.28	17.3	1		
20	256QAM	1	56	18.85	18.91	18.92				20	256QAM	1	99	18.32	18.31	18.33				
20	256QAM	50	0	18.96	17.94	18.94				20	256QAM	50	5	18.29	18.28	18.30	17.3	1		
20	256QAM	50	24	18.89	18.93	18.99	18.2	2		20	256QAM	50	24	18.30	18.33	18.24	17.3	1		
20	256QAM	50	50	18.99	18.95	18.98				20	256QAM	50	50	18.36	18.28	18.32				
20	256QAM	100	0	18.91	18.98	18.90				20	256QAM	100	5	18.27	18.37	18.24	17.3	1		
Channel										Channel										
Frequency (MHz)										Frequency (MHz)										
15	QPSK	1	0	17.174	17.225	17.473	17.5	0		15	Frequency (MHz)	2007.5	2535	2662	26.6					
15	QPSK	1	37	17.18	17.19	17.24	20.2	0		15	QPSK	1	3	17.67	17.60	17.64				
15	QPSK	1	74	17.29	17.28	17.33				15	QPSK	1	37	17.65	17.61	17.74	18.8	0		
15	QPSK	36	0	17.84	17.84	17.83				15	QPSK	1	74	17.70	17.71	17.73				
15	QPSK	36	20	17.84	17.84	17.83	20.2	0		15	QPSK	36	5	17.77	17.78	17.74				
15	QPSK	36	36	17.85	17.85	17.83				15	QPSK	36	20	17.79	17.79	17.78	18.8	0		
15	QPSK	75	0	18.77	18.93	18.81				15	QPSK	75	5	17.69	17.72	17.71				
15	16QAM	1	0	18.77	18.80	18.78				15	16QAM	1	37	17.76	17.76	17.76	18.8	0		
15	16QAM	1	37	18.88	18.90	18.77	20.2	0		15	16QAM	1	74	17.70	17.69	17.64	18.8	0		
15	16QAM	1	74	18.81	18.90	18.86				15	16QAM	1	74	17.79	17.73	17.59	18.8	0		
15	16QAM	36	0	18.88	18.77	18.84				15	16QAM	36	5	17.72	17.72	17.74				
15	16QAM	36	20	18.81	18.86	18.88	20.2	0		15	16QAM	36	20	17.73	17.87	17.87	18.8	0		
15	16QAM	36	36	18.88	18.92	18.83				15	16QAM	36	36	17.85	17.84	17.83				
15	16QAM	75	0	18.72	18.90	18.82				15	16QAM	75	5	17.69	17.70	17.78	18.8	0		
15	16QAM	1	0	18.86	18.88	18.86				15	16QAM	75	20	17.72	17.89	17.87	18.8	0		
15	16QAM	1	37	18.84	18.91	18.84	20.2	0		15	16QAM	75	36	17.77	17.77	17.73	18.8	0		
15	16QAM	1	74	18.93	18.86	18.91				15	16QAM	75	74	17.70	17.70	17.70	18.8	0		
15	16QAM	36	0	18.91	18.94	18.77				15	16QAM	75	74	17.72	17.72	17.72	18.8	0		
15	16QAM	36	20	18.89	18.84	18.76	20.2	0		15	16QAM	75	99	17.72	17.77	17.74	18.8	0		
15	16QAM	36	36	18.71	18.85	18.86				15	16QAM	75	99	17.72	17.77	17.74	18.8	0		
15	256QAM	1	0	18.94	18.90	18.83				15	256QAM	1	37	18.27	18.24	18.19	17.3	1		
15	256QAM	1	37	18.81	18.87	18.87	18.2	2		15	256QAM	1	74	18.18	18.24	18.22				
15	256QAM	36	0	18.92	18.90	18.91				15	256QAM	36	5	18.20	18.20	18.20	17.3	1		
15	256QAM	36	20	18.80	18.89	18.82	18.2	2		15	256QAM	36	20	18.20	18.28	18.25	17.3	1		
15	256QAM	36	36	18.79	18.84	18.80				15	256QAM	36	36	18.28	18.13	18.21	17.3	1		
15	256QAM	75	0	18.71	18.78	18.87				15	256QAM	36	36	18.29	18.13	18.21	17.3	1		
Channel										Channel										
Frequency (MHz)										Frequency (MHz)										
20065	20175	20360	20460	20560	20660	20760	20860	20960	21060	20065	20175	20360	20460	20560	20660	20760	20860	20960	21060	
1715	1732.5	1750	1767.5	1785	1802.5	1820	1837.5	1855	1872.5	2007.5	2535	2555	2575	2595	2615	2635	2655	2675	2695	
15	QPSK	1	0	17.174	17.225	17.473	17.5	0		15	QPSK	1	0	2007.5	2535	2555	2575	2595	2615	2635
15	QPSK	1	37	17.18	17.19	17.24	20.2	0		15	QPSK	1	3	17.67	17.60	17.64	17.8	0		
15	QPSK	1	74	17.29	17.28	17.33				15	QPSK	1	37	17.65	17.61	17.74	18.8	0		
15	QPSK	36	0	17.84	17.84	17.83				15	QPSK	1	74	17.70	17.71	17.73				
15	QPSK	36	20	17.84	17.84	17.83	20.2	0		15	QPSK	36	5	17.77	17.78	17.74				
15	QPSK	36	36	17.85	17.85	17.83				15	QPSK	36	20	17.79	17.79	17.78	18.8	0		
15	QPSK	75	0	18.77	18.93	18.81				15	QPSK	75	5	17.69	17.72	17.71				
15	16QAM	1	0	18.77	18.80	18.78				15	16QAM	1	37	17.76	17.76	17.76	18.8	0		
15	16QAM	1	37	18.88	18.90	18.77	20.2	0		15	16QAM	1	74	17.70	17.69	17.64	18.8	0		
15	16QAM	1	74	18.81	18.90	18.86				15	16QAM	1	74	17.79	17.73	17.59	18.8	0		
15	16QAM	36	0	18.88	18.77	18.84				15	16QAM	36	5	17.72	17.72	17.74				
15	16QAM	36	20	18.81	18.86	18.88	20.2	0		15	16QAM	36	20	17.73	17.87	17.87	18.8	0		
15	16QAM	36	36	18.88	18.92	18.83				15	16QAM	36	36	17.85	17.84	17.83				
15	16QAM	75	0	18.72	18.90	18.82				15	16QAM	75	5	17.69	17.70	17.78	18.8	0		
15	16QAM	1	0	18.86	18.88	18.86				15	16QAM	75	20	17.72	17.89	17.87	18.8	0		
15	16QAM	1	37	18.84	18.91	18.84	20.2	0		15	16QAM	75	36	17.77	17.77	17.73	18.8	0		
15	16QAM	1	74	18.93	18.86	18.91				15	16QAM	75	74	17.70	17.70	17.70	18.8	0		
15	16QAM	36	0	18.91	18.94	18.77				15	16QAM	75	74	17.72	17.72	17.72	18.8	0		
15	16QAM	36	20	18.89	18.84	18.76	20.2	0		15	16QAM	75	99	17.72	17.77	17.74	18.8	0		
15	16QAM	36	36	18.71	18.85	18.86				15	16QAM	75	99	17.72	17.77	17.74	18.8	0		
15	256QAM	1	0	18.94	18.90	18.83				15	256QAM	1	37	18.27	18.24	18.19	17.3	1		
15	256QAM	1	37	18.81	18.87	18.87	18.2	2		15	256QAM</									

Band 42 Ant5 DSI 3										
RF (MHz)	Mode	RB (MHz)	RB Offset	Power Low (dBm)	Power High (dBm)	Power High (dBm)	Power High (dBm)	Power High (dBm)	Time (s)	Left (dB)
Channel										
				42100	42600	42900	43400	43900		
20	QPSK	1	0	17.57	17.58	17.58	17.58	17.58	18.0	0
20	QPSK	1	49	17.48	17.51	17.48	17.51	17.48	18.0	0
20	QPSK	1	99	17.54	17.48	17.52	17.48	17.52	18.0	0
20	QPSK	1	149	17.58	17.52	17.58	17.52	17.58	18.0	0
20	QPSK	50	24	17.58	17.57	17.57	17.51	17.51	18.0	0
20	QPSK	50	50	17.53	17.53	17.49	17.49	17.49	18.0	0
20	QPSK	50	75	17.58	17.53	17.58	17.53	17.58	18.0	0
20	16QAM	1	0	17.57	17.52	17.47	17.47	17.47	18.0	0
20	16QAM	1	49	17.57	17.48	17.47	17.47	17.47	18.0	0
20	16QAM	1	99	17.51	17.48	17.47	17.47	17.47	18.0	0
20	16QAM	50	24	17.52	17.55	17.48	17.48	17.48	18.0	0
20	16QAM	50	50	17.48	17.49	17.48	17.48	17.48	18.0	0
20	16QAM	50	75	17.53	17.48	17.47	17.47	17.47	18.0	0
20	16QAM	50	125	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	175	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	225	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	275	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	325	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	375	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	425	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	475	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	525	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	575	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	625	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	675	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	725	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	775	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	825	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	875	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	925	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	975	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	1025	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	1075	17.48	17.49	17.53	17.48	17.48	18.0	0
20	16QAM	50	1125	17.48	17.49	17.53	17.48	17.48	18.0	0

Band 4 Ant4 DSI 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Time-slot (sec)	APR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.04	21.13	20.04		22.8	0
20	QPSK	1	48	20.04	21.08	21.02		22.8	0
20	QPSK	1	96	20.07	21.02	20.92		22.8	0
20	QPSK	50	0	20.50	21.58	20.50		22.8	0
20	QPSK	50	24	20.50	21.52	21.44		22.8	0
20	QPSK	50	50	20.54	21.00	20.97		22.8	0
20	QPSK	100	0	20.92	21.05	20.99		22.8	0
20	QPSK	100	50	20.96	21.02	20.99		22.8	0
20	16QAM	1	48	20.92	21.11	21.07		22.8	0
20	16QAM	1	96	21.01	21.07	21.00		22.8	0
20	16QAM	50	0	20.95	21.02	20.98		22.8	0
20	16QAM	50	24	21.01	21.03	21.00		22.8	0
20	16QAM	50	50	20.96	21.08	20.95		22.8	0
20	16QAM	100	0	20.95	21.05	20.99		22.8	0
20	16QAM	100	50	20.97	21.08	21.00		22.8	0
20	64QAM	1	48	20.96	20.99	21.01		22.8	0
20	64QAM	1	96	20.95	21.02	20.99		22.8	0
20	64QAM	50	0	20.93	21.02	21.01		22.8	0
20	64QAM	50	24	20.96	21.08	21.03		22.8	0
20	64QAM	50	50	20.93	21.07	21.00		22.8	0
20	64QAM	100	0	20.98	21.04	20.98		22.8	0
20	256QAM	1	48	18.99	19.01	18.94		20.6	2
20	256QAM	1	96	18.92	19.01	18.96		20.6	2
20	256QAM	50	0	18.94	19.01	19.03		20.6	2
20	256QAM	50	50	18.94	19.08	18.98		20.6	2
20	256QAM	100	0	18.93	19.05	18.96		20.6	2
20	256QAM	100	50	18.93	19.08	18.92		20.6	2
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.80	21.01	20.80		22.8	0
15	QPSK	1	32	20.80	20.97	20.87		22.8	0
15	QPSK	1	74	20.82	20.89	20.77		22.8	0
15	QPSK	36	0	20.77	20.89	20.84		22.8	0
15	QPSK	36	24	20.89	20.91	20.87		22.8	0
15	QPSK	36	36	20.83	20.86	20.83		22.8	0
15	QPSK	75	0	20.87	21.04	20.87		22.8	0
15	16QAM	1	0	20.81	20.84	20.85		22.8	0
15	16QAM	1	32	20.81	21.02	20.79		22.8	0
15	16QAM	1	48	19.00	19.01	18.94		20.6	2
15	16QAM	36	0	20.91	20.97	20.88		22.8	0
15	16QAM	36	20	20.90	20.95	20.95		22.8	0
15	16QAM	36	36	20.89	20.98	20.92		22.8	0
15	16QAM	75	0	20.83	20.90	20.80		22.8	0
15	64QAM	1	0	20.82	20.84	20.85		22.8	0
15	64QAM	1	24	20.84	20.88	20.82		22.8	0
15	64QAM	1	74	20.81	20.91	20.80		22.8	0
15	64QAM	36	0	20.80	20.87	20.81		22.8	0
15	64QAM	36	24	20.87	20.92	20.82		22.8	0
15	64QAM	36	36	20.75	20.82	20.80		22.8	0
15	64QAM	75	0	20.80	20.85	20.85		22.8	0
15	256QAM	1	0	18.90	18.91	18.82		20.6	2
15	256QAM	1	32	18.91	18.95	18.81		20.6	2
15	256QAM	36	0	18.96	18.96	18.89		20.6	2
15	256QAM	36	20	18.95	18.93	18.89		20.6	2
15	256QAM	36	36	18.78	18.91	18.84		20.6	2
15	256QAM	75	0	18.78	18.90	18.82		20.6	2
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.48	20.67	20.48		22.8	0
10	QPSK	1	25	20.83	21.01	20.94		22.8	0
10	QPSK	1	48	20.92	20.92	20.88		22.8	0
10	QPSK	20	0	20.48	20.67	20.48		22.8	0
10	QPSK	25	12	20.92	21.00	20.90		22.8	0
10	QPSK	25	25	20.88	20.87	20.86		22.8	0
10	16QAM	1	0	20.84	20.91	20.87		22.8	0
10	16QAM	1	25	20.83	21.08	20.86		22.8	0
10	16QAM	25	0	20.89	20.98	20.88		22.8	0
10	16QAM	25	12	20.96	20.95	20.86		22.8	0
10	16QAM	25	25	20.90	21.03	20.78		22.8	0
10	16QAM	50	0	20.84	20.95	20.87		22.8	0
10	64QAM	1	0	20.84	21.01	20.82		22.8	0
10	64QAM	1	24	20.85	21.03	20.85		22.8	0
10	64QAM	1	48	20.83	20.97	20.79		22.8	0
10	64QAM	25	0	20.79	20.87	20.89		22.8	0
10	64QAM	25	12	20.95	21.03	20.82		22.8	0
10	64QAM	25	25	20.86	20.94	20.86		22.8	0
10	64QAM	50	0	20.88	20.91	20.85		22.8	0
10	256QAM	1	0	18.92	18.91	18.82		20.6	2
10	256QAM	1	25	18.92	18.94	18.85		20.6	2
10	256QAM	25	12	18.96	18.90	18.89		20.6	2
10	256QAM	25	25	18.80	18.92	18.87		20.6	2
10	256QAM	50	0	18.89	18.90	18.85		20.6	2
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.43	20.62	20.43		22.8	0
5	QPSK	1	12	20.82	21.02	20.80		22.8	0
5	QPSK	1	24	20.91	20.89	20.86		22.8	0
5	QPSK	18	0	20.44	20.68	20.44		22.8	0
5	QPSK	12	7	20.89	20.96	20.88		22.8	0
5	QPSK	12	13	20.85	20.92	20.89		22.8	0
5	QPSK	25	0	20.78	20.86	20.84		22.8	0
5	16QAM	1	0	20.87	21.00	20.85		22.8	0
5	16QAM	1	12	20.82	21.05	20.85		22.8	0
5	16QAM	1	24	20.91	21.02	20.85		22.8	0
5	16QAM	12	0	20.83	20.89	20.80		22.8	0
5	16QAM	12	7	20.96	20.92	20.85		22.8	0
5	16QAM	12	13	20.91	21.03	20.82		22.8	0
5	16QAM	25	0	20.88	20.90	20.77		22.8	0
5	64QAM	1	0	20.82	21.00	20.86		22.8	0
5	64QAM	1	12	20.91	20.98	20.89		22.8	0
5	64QAM	1	24	20.87	20.98	20.78		22.8	0
5	64QAM	12	0	20.87	20.87	20.81		22.8	0
5	64QAM	12	7	20.90	21.00	20.86		22.8	0
5	64QAM	12	13	20.84	20.96	20.84		22.8	0
5	64QAM	25	0	20.84	20.98	20.83		22.8	0
5	256QAM	1	0	18.93	18.90	18.84		20.6	2
5	256QAM	1	12	18.90	18.98	18.87		20.6	2
5	256QAM	12	0	18.76	18.92	18.82		20.6	2
5	256QAM	12	7	18.85	18.98	18.84		20.6	2
5	256QAM	12	13	18.82	18.85	18.89		20.6	2
5	256QAM	25	0	18.79	18.91	18.81		20.6	2
5	256QAM	25	0	18.81	18.90	18.82		20.6	2
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.58	21.00	20.54		22.8	0
3	QPSK	1	8	20.91	20.91	20.91		22.8	0
3	QPSK	1	14	20.92	20.91	20.80		22.8	0
3	QPSK	8	0	20.78	20.92	20.89		22.8	0
3	QPSK	8	4	20.95	20.97	20.89		22.8	0
3	QPSK	8	7	20.89	20.89	20.82		22.8	0
3	QPSK	16	0	20.77	21.05	20.80		22.8	0
3	16QAM	1	0	20.89	20.91	20.86		22.8	0
3	16QAM	1	8	20.88	21.03	20.83		22.8	0
3	16QAM	1	14	20.98	20.99	20.91		22.8	0
3	16QAM	8	0	20.82	20.99	20.92		22.8	0
3	16QAM	8	4	20.90	20.96	20.89		22.8	0
3	16QAM	8	7	20.89	20.98	20.87		22.8	0
3	16QAM	16	0	20.81	20.95	20.79		22.8	0
3	64QAM	1	0	20.83	21.02	20.81		22.8	0
3	64QAM	1	8	20.87	20.88	20.84		22.8	0
3	64QAM	1	14	20.89	20.92	20.83		22.8	0
3	64QAM	8	0	20.87	20.87	20.84		22.8	0
3	64QAM	8	4	20.88	20.97	20.84		22.8	0
3	64QAM	8	7	20.82	20.94	20.80		22.8	0
3	256QAM	1	0	18.85	18.96	18.88		20.6	2
3	256QAM	1	8	18.93	19.00	18.88		20.6	2
3	256QAM	8	0	18.78	18.93	18.83		20.6	2
3	256QAM	8	4	18.85	18.96	18.89		20.6	2
3	256QAM	8	7	18.89	18.96	18.85		20.6	2
3	256QAM	16	0	18.80	18.90	18.85		20.6	2
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.82	20.97	20.87		22.8	0
1.4	QPSK	1	3	20.90	20.96	20.92		22.8	0
1.4	QPSK	1	5	20.81	20.92	20.84		22.8	0
1.4	QPSK	3	0	20.75	20.88	20.85		22.8	0
1.4	QPSK	3	3	20.85	20.93	20.87		22.8	0
1.4	QPSK	3	5	20.80	20.93	20.83		22.8	0
1.4	QPSK	6	0	20.81	20.98	20.91		22.8	0
1.4	QPSK	6	3	20.91	20.97	20.93		22.8	0
1.4	QPSK	6	5	20.86	20.97	20.89		22.8	0
1.4	16QAM	1	3	20.87	20.99	20.90		22.8	0
1.4	16QAM	1	5	20.89	20.96	20.88		22.8	0
1.4	16QAM	3	0	20.82	20.96	20.88		22.8	0
1.4	16QAM	3	3	20.87	20.93	20.82		22.8	0
1.4	16QAM	3	5	20.86	20.96	20.88		22.8	0
1.4	16QAM	6	0	20.80	21.01	20.96		22.8	0
1.4	16QAM	6	3	20.90	20.94	20.86		22.8	0
1.4	16QAM</								

Band 38 Ant4 DSI 3

RV (MHz)

Modulation

RB Size

RB Offset

Power Low Ch / Freq

Power High Ch / Freq

Time-use (min)

MPR (dB)

Channel

2580

2580

2580

2580

0

QPSK

1

0

21.67

21.67

21.67

23.1

0

10

QPSK

1

9

21.67

21.67

21.67

23.1

0

20

QPSK

1

18

21.67

21.67

21.67

23.1

0

30

QPSK

1

27

21.67

21.67

21.67

23.1

0

40

QPSK

1

36

21.67

21.67

21.67

23.1

0

50

QPSK

1

45

21.67

21.67

21.67

23.1

0

60

QPSK

1

54

21.67

21.67

21.67

23.1

0

70

QPSK

1

63

21.67

21.67

21.67

23.1

0

80

QPSK

1

72

21.67

21.67

21.67

23.1

0

90

QPSK

1

81

21.67

21.67

21.67

23.1

0

100

QPSK

1

90

21.67

21.67

21.67

23.1

0

110

QPSK

1

99

21.67

21.67

21.67

23.1

0

120

QPSK

1

108

21.67

21.67

21.67

23.1

0

130

QPSK

1

117

21.67

21.67

21.67

23.1

0

140

QPSK

1

126

21.67

21.67

21.67

23.1

0

150

QPSK

1

135

21.67

21.67

21.67

23.1

0

160

QPSK

1

144

21.67

21.67

21.67

23.1

0

170

QPSK

1

153

21.67

21.67

21.67

23.1

0

180

QPSK

1

162

21.67

21.67

21.67

23.1

0

190

QPSK

1

171

21.67

21.67

21.67

23.1

0

200

QPSK

1

180

21.67

21.67

21.67

23.1

0

210

QPSK

1

189

21.67

21.67

21.67

23.1

0

220

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QPSK

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Band 4 Ant6 DSI 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Time-up (sec)	MPE (dB)		
Channel										
20	QPSK	1	0	20.17	20.47	20.77				
20	QPSK	1	49	20.15	20.34	20.54	21.2	0		
20	QPSK	1	99	20.16	20.31	20.46				
20	QPSK	50	0	20.19	20.35	20.50				
20	QPSK	50	24	20.25	20.37	20.49	21.2	0		
20	QPSK	50	50	20.20	20.29	20.38				
20	QPSK	100	0	20.20	20.25	20.28				
20	16QAM	1	0	20.18	20.25	20.34				
20	16QAM	1	49	20.20	20.29	20.31	21.2	0		
20	16QAM	1	99	20.20	20.29	20.25				
20	16QAM	50	0	20.24	20.34	20.22				
20	16QAM	50	24	20.13	20.27	20.27	21.2	0		
20	16QAM	50	50	20.23	20.23	20.26				
20	16QAM	100	0	20.25	20.34	20.25				
20	16QAM	1	0	20.15	20.27	20.20	21.2	0		
20	16QAM	1	49	20.21	20.25	20.18				
20	16QAM	1	99	20.24	20.31	20.21				
20	16QAM	50	0	20.16	20.20	20.27				
20	16QAM	50	24	20.24	20.23	20.18	21.2	0		
20	16QAM	50	50	20.20	20.25	20.23				
20	16QAM	100	0	20.13	20.29	20.20				
20	256QAM	1	49	19.73	19.79	19.77	20.7	0.5		
20	256QAM	1	99	19.72	19.75	19.68				
20	256QAM	50	0	19.72	19.82	19.69	20.7	0.5		
20	256QAM	50	24	19.66	19.79	19.75				
20	256QAM	50	50	19.73	19.81	19.73				
20	256QAM	100	0	19.64	19.79	19.75				
Channel										
15	QPSK	1	0	1717.5	1742.5	1767.5				
15	QPSK	1	6	20.08	20.15	20.15				
15	QPSK	1	17	20.09	20.02	20.09	21.2	0		
15	QPSK	1	74	20.00	20.23	20.11				
15	QPSK	36	0	20.07	20.23	20.10				
15	QPSK	36	20	20.14	20.17	20.10	21.2	0		
15	QPSK	36	36	20.12	20.22	20.13				
15	QPSK	75	0	20.16	20.24	20.16				
15	16QAM	1	0	20.12	20.17	20.12	21.2	0		
15	16QAM	1	37	20.13	20.14	20.09				
15	16QAM	1	74	20.06	20.22	20.10	21.2	0		
15	16QAM	36	0	20.15	20.25	20.13				
15	16QAM	36	20	20.02	20.12	20.10	21.2	0		
15	16QAM	36	36	20.10	20.10	20.06				
15	16QAM	75	0	20.05	20.22	20.05				
15	16QAM	1	0	19.85	19.75	19.82	20.7	0.5		
15	16QAM	1	37	19.81	19.75	19.72				
15	256QAM	1	74	19.83	19.69	19.54				
15	256QAM	36	0	19.82	19.82	19.54	20.7	0.5		
15	256QAM	36	20	19.51	19.71	19.50				
15	256QAM	36	36	19.62	19.72	19.65	20.7	0.5		
15	256QAM	75	0	19.67	19.75	19.62				
15	256QAM	1	0	19.58	19.70	19.56	20.7	0.5		
Channel										
10	QPSK	1	0	1715	1745	1775				
10	QPSK	1	6	20.12	20.22	20.17				
10	QPSK	1	25	20.00	20.30	20.19	21.2	0		
10	QPSK	1	49	20.02	20.23	20.11				
10	QPSK	25	0	20.14	20.22	20.13				
10	QPSK	25	12	20.12	20.27	20.12	21.2	0		
10	QPSK	25	25	20.14	20.22	20.12				
10	QPSK	50	0	20.14	20.22	20.12				
10	16QAM	1	0	20.13	20.22	20.13	21.2	0		
10	16QAM	1	25	20.12	20.18	20.13				
10	16QAM	1	49	20.12	20.22	20.12	21.2	0		
10	16QAM	25	0	20.19	20.19	20.12				
10	16QAM	25	12	20.08	20.18	20.20	21.2	0		
10	16QAM	25	25	20.11	20.24	20.11				
10	16QAM	50	0	20.12	20.24	20.10				
10	16QAM	1	0	20.08	20.22	20.08	21.2	0		
10	16QAM	1	16	20.15	20.15	20.12				
10	16QAM	1	49	20.12	20.24	20.15				
10	16QAM	25	0	20.05	20.24	20.13	21.2	0		
10	16QAM	25	12	20.14	20.22	20.12				
10	16QAM	25	25	20.04	20.26	20.10				
10	16QAM	50	0	19.97	20.20	20.10	21.2	0		
10	16QAM	1	0	19.94	19.71	19.62				
10	256QAM	1	25	19.68	19.74	19.62	20.7	0.5		
10	256QAM	1	49	19.58	19.61	19.54				
10	256QAM	25	0	19.60	19.69	19.54	20.7	0.5		
10	256QAM	25	12	19.61	19.69	19.59				
10	256QAM	25	25	19.62	19.65	19.59	20.7	0.5		
10	256QAM	50	0	19.59	19.61	19.51				
Channel										
5	QPSK	1	0	1712.5	1742.5	1772.5				
5	QPSK	1	6	20.17	20.22	20.15				
5	QPSK	1	12	20.05	20.33	20.08	21.2	0		
5	QPSK	1	24	20.09	20.19	20.08				
5	QPSK	12	0	20.09	20.23	20.06				
5	QPSK	12	7	20.18	20.24	20.06	21.2	0		
5	QPSK	12	13	20.10	20.20	20.20				
5	QPSK	25	0	20.08	20.28	20.13				
5	16QAM	1	0	20.10	20.23	20.13	21.2	0		
5	16QAM	1	12	20.05	20.15	20.07				
5	16QAM	1	24	20.11	20.23	20.10				
5	16QAM	12	0	20.15	20.27	20.11	21.2	0		
5	16QAM	12	7	20.08	20.23	20.14				
5	16QAM	12	13	20.18	20.21	20.18				
5	16QAM	25	0	20.16	20.20	20.20				
5	16QAM	1	0	20.10	20.15	20.12	21.2	0		
5	16QAM	1	12	20.08	20.27	20.03				
5	16QAM	1	24	20.11	20.17	20.16				
5	16QAM	12	0	20.12	20.21	20.15	21.2	0		
5	16QAM	12	7	20.12	20.16	20.07				
5	16QAM	12	13	20.08	20.22	20.19				
5	16QAM	25	0	20.05	20.15	20.11	21.2	0		
5	256QAM	1	0	19.68	19.74	19.69				
5	256QAM	1	12	19.66	19.67	19.70	20.7	0.5		
5	256QAM	1	24	19.68	19.61	19.61				
5	256QAM	12	0	19.67	19.77	19.64	20.7	0.5		
5	256QAM	12	7	19.59	19.77	19.59				
5	256QAM	12	13	19.62	19.60	19.59	20.7	0.5		
5	256QAM	25	0	19.59	19.62	19.70				
Channel										
3	QPSK	1	0	1666.5	1677.5	1688.5				
3	QPSK	1	8	20.02	20.13	20.15				
3	QPSK	1	8	20.01	20.30	20.19	21.2	0		
3	QPSK	1	14	20.06	20.19	20.04				
3	QPSK	8	0	20.11	20.20	20.10				
3	QPSK	8	4	20.13	20.18	20.06	21.2	0		
3	QPSK	8	7	20.07	20.27	20.21				
3	QPSK	15	0	20.05	20.17	20.14				
3	16QAM	1	0	20.11	20.28	20.14	21.2	0		
3	16QAM	1	8	20.14	20.23	20.09				
3	16QAM	1	14	20.13	20.18	20.17				
3	16QAM	8	0	20.12	20.27	20.12	21.2	0		
3	16QAM	8	4	20.08	20.20	20.20				
3	16QAM	8	7	20.10	20.19	20.15				
3	16QAM	15	0	20.10	20.20	20.13				
3	16QAM	1	0	20.01	20.12	20.10	21.2	0		
3	16QAM	1	8	20.12	20.21	20.06				
3	16QAM	1	14	20.18	20.20	20.17				
3	16QAM	8	0	20.09	20.24	20.21	21.2	0		
3	16QAM	8	4	20.19	20.22	20.05				
3	16QAM	8	7	20.09	20.24	20.18				
3	256QAM	1	0	19.62	19.78	19.63	20.7	0.5		
3	256QAM	1	8	19.64	19.66	19.68				
3	256QAM	1	14	19.68	19.61	19.69				
3	256QAM	8	0	19.65	19.72	19.61	20.7	0.5		
3	256QAM	8	4	19.73	19.78	19.64				
3	256QAM	8	7	19.69	19.77	19.78				
3	256QAM	15	0	19.61	19.64	19.61	20.7	0.5		
Channel										
1.4	QPSK	1	0	1715.7	1745.7	1775.7				
1.4	QPSK	1	0	20.09	20.15	20.17				
1.4	QPSK	1	8	20.08	20.20	20.12	21.2	0		
1.4	QPSK	1	5	20.05	20.19	20.02				
1.4	QPSK	3	0	20.14	20.30	20.10				
1.4	QPSK	3	3	20.04	20.22	20.08	21.2	0		
1.4	QPSK	6	0	20.07	20.12	20.13				
1.4	QPSK	6	3	20.09	20.27	20.12				
1.4	16QAM	1	3	20.10	20.21	20.14				
1.4	16QAM	1	5	20.15	20.23	20.17				
1.4	16QAM	3	0	20.18	20.29	20.12	21.2	0		
1.4	16QAM	3	3	19.97	20.19	20.14				
1.4	16QAM	6	0	20.09	20.25					

[illegible]

Band 41 Ant6 DSI 3												
RF [MHz]	Modulation	RB [MHz]	RB Offset	Power Low Power	Power Low Power	Power High Power	Power High Power	Power High Power	Power High Power	Time Slot (ms)	Time Slot (ms)	Time Slot (ms)
Channel												
Frequency (MHz)	30705	40185	40620	41055	41500	41935	42380	42825	43270			
5 QPCH	1	0	21.74	21.75	21.76	21.77	21.78	21.79	21.80	23		
5 QPCH	1	46	21.74	21.74	22.00	21.99	21.98	21.97	21.96	23		
5 QPCH	1	90	21.89	21.88	21.91	21.90	21.84	21.83	21.82	23		
5 QPCH	1	134	21.88	21.82	21.85	21.84	21.83	21.82	21.81	23		
5 QPCH	1	178	21.88	21.84	21.98	21.97	21.96	21.95	21.94	23		
5 QPCH	1	222	21.96	21.90	21.93	21.92	21.91	21.90	21.89	23		
5 QPCH	1	266	21.96	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	310	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	354	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	398	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	442	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	486	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	530	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	574	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	618	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	662	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	706	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	750	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	794	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	838	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	882	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	926	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	970	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1014	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1058	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1102	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1146	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1190	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1234	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1278	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1322	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1366	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1410	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1454	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1498	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1542	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1586	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1630	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1674	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1718	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1762	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1806	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1850	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1894	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1938	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	1982	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2026	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2070	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2114	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2158	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2202	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2246	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2290	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2334	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2378	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2422	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2466	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2510	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2554	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2598	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2642	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2686	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2730	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2774	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2818	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2862	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2906	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2950	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	2994	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3038	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3082	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3126	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3170	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3214	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3258	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3302	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3346	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3390	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3434	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3478	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3522	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3566	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3610	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3654	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3698	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3742	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3786	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3830	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3874	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3918	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	3962	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4006	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4050	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4094	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4138	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4182	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4226	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4270	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4314	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4358	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4402	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4446	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4490	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4534	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4578	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4622	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4666	21.89	21.88	21.94	21.93	21.93	21.93	21.93	23		
5 QPCH	1	4710	21.89	21.88	21.94							

[illegible]

Band 48 Ant6 DSI 3												
Ant (MHz)	Mode	Ant. ID	Ref. Offset	Power Low	Power Low-Mid	Power High	Power High-Mid	Turn-on Time (s)	Ant6 (dB)			
Channel												
Frequency (MHz)	1	1		56344	56800	56160	56640					
18	QPSK	1	0	21.78	21.82	21.72	21.81		23.5	0		
18	QPSK	1	49	21.72	21.83	21.72	21.73					
20	QPSK	1	59	21.73	21.81	21.79	21.73					
20	QPSK	1	109	20.81	20.85	20.81	20.83		22.5	1		
20	QPSK	50	24	20.71	20.86	20.67	20.70					
20	QPSK	100	0	20.72	20.84	20.76	20.78					
20	QPSK	150	0	20.72	20.84	20.76	20.78					
20	16QAM	1	0	20.72	20.86	20.78	20.78		22.5	1		
20	16QAM	1	49	20.72	20.86	20.78	20.78					
20	16QAM	1	99	20.71	20.83		20.75	20.71				
20	16QAM	50	0	19.75	19.86	19.85	19.79					
20	16QAM	50	24	19.75	19.87	19.81	19.79		21.2	2		
20	16QAM	50	50	19.75	19.81	19.80	19.80					
20	16QAM	100	0	19.72	19.82	19.81	19.80					
20	16QAM	100	24	19.75	19.81	19.79	19.79		21.2	2		
20	16QAM	1	49	19.69	19.87	19.71	19.73					
20	16QAM	50	59	19.74	19.78	19.70	19.70					
20	16QAM	50	79	19.74	19.78	19.70	19.70					
20	16QAM	50	24	19.78	19.86	19.64	19.69		20.3	3		
20	16QAM	50	50	19.75	19.81	19.80	19.80					
20	16QAM	100	0	19.82	19.82	19.80	19.77					
20	256QAM	1	0	19.78	19.87	19.87	19.80		19.5	5		
20	256QAM	1	49	19.72	19.82	19.82	19.82					
20	256QAM	1	99	19.78	19.82	19.71	19.76					
20	256QAM	50	0	19.74	19.82	19.78	19.75					
20	256QAM	50	24	19.75	19.81	19.79	19.73		19.5	5		
20	256QAM	50	50	19.64	19.89	19.69	19.75					
20	256QAM	50	79	19.75	19.81	19.74	19.74					
Channel												
Frequency (MHz)	1	1		56344	56800	56160	56640					
18	QPSK	1	0	21.78	21.82	21.72	21.81		23.5	0		
18	QPSK	1	49	21.72	21.83	21.67	21.65					
18	QPSK	1	74	21.66	21.69	21.71	21.69					
18	QPSK	1	99	20.81	20.85	20.81	20.83		22.5	1		
18	QPSK	36	20	20.59	20.61	20.56	20.67					
18	QPSK	36	20	20.59	20.61	20.56	20.67					
18	QPSK	36	20	20.59	20.61	20.56	20.67					
18	QPSK	75	24	20.76	20.81	20.66	20.73					
18	QPSK	75	24	20.76	20.81	20.66	20.73					
18	16QAM	1	0	20.72	20.78	20.74	20.66					
18	16QAM	1	49	20.72	20.78	20.74	20.66					
18	16QAM	1	74	20.63	20.75	20.67	20.62					
18	16QAM	36	0	19.69	19.83		19.70	19.69				
18	16QAM	36	0	19.69	19.83		19.70	19.69				
18	16QAM	36	20	19.65	19.86	19.53	19.62					
18	16QAM	36	20	19.65	19.86	19.53	19.62					
18	16QAM	75	0	19.67	19.82	19.64	19.63					
18	16QAM	75	0	19.69	19.73	19.78	19.68					
18	256QAM	1	0	19.69	19.83	19.76	19.73		19.5	5		
18	256QAM	1	49	19.63	19.84	19.71	19.69					
18	256QAM	1	99	19.63	19.76	19.69	19.69					
18	256QAM	36	20	19.62	19.76	19.66	19.69					
18	256QAM	36	20	19.62	19.76	19.66	19.69					
18	256QAM	36	20	19.62	19.76	19.66	19.69					
18	256QAM	75	24	19.69	19.81	19.66	19.66					
Channel												
Frequency (MHz)	1	1		56344	56800	56160	56640					
18	QPSK	1	0	21.78	21.82	21.72	21.78	21.76		23.5	0	
18	QPSK	1	25	21.62	21.81	21.69	21.68					
18	QPSK	1	49	21.70	21.77	21.72	21.69					
18	QPSK	1	9	20.84	20.87	20.84	20.84		22.5	1		
18	QPSK	25	12	20.64	20.75	20.65	20.63					
18	QPSK	25	12	20.64	20.75	20.65	20.63					
18	QPSK	25	12	20.64	20.75	20.65	20.63					
18	QPSK	50	0	20.65	20.85	20.71	20.63					
18	16QAM	1	0	20.72	20.83	20.68	20.69		22.5	1		
18	16QAM	1	49	20.72	20.83	20.68	20.69					
18	16QAM	1	99	20.71	20.82	20.67	20.70	20.67				
18	16QAM	1	49	20.68	20.74	20.72	20.64					
18	16QAM	25	0	19.71	19.83	19.75	19.68					
18	16QAM	25	12	19.64	19.74	19.71	19.64		21.2	2		
18	16QAM	50	0	19.64	19.76	19.70	19.68					
18	16QAM	50	24	19.64	19.76	19.70	19.68					
18	16QAM	1	25	19.64	19.82	19.63	19.71		21.2	2		
18	16QAM	1	25	19.64	19.82	19.63	19.71					
18	16QAM	25	0	19.66	19.85	19.65	19.84					
18	16QAM	25	12	19.67	19.78	19.68	19.65		20.3	3		
18	16QAM	50	0	19.74	19.75	19.66	19.72					
20	256QAM	1	0	19.75	19.76	19.76	19.74					
20	256QAM	1	49	19.67	19.75	19.68	19.77					
20	256QAM	1	49	19.74	19.76	19.68	19.70					
20	256QAM	1	109	19.75	19.76	19.68	19.70		19.5	5		
20	256QAM	50	0	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					
20	256QAM	50	24	19.75	19.76	19.68	19.70					

Band 4 Ant7 DSI 3										
BW (MHz)	Modulat on	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	Turn-down (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.91	19.92	19.93				
20	QPSK	1	49	19.88	19.84	19.89	21.4	0		
20	QPSK	1	99	19.85	19.89	19.87				
20	QPSK	50	0	19.93	19.92	19.93				
20	QPSK	50	24	19.86	19.92	19.85	21.4	0		
20	QPSK	50	50	19.94	19.90	19.90				
20	QPSK	100	0	19.90	19.92	19.89				
20	16QAM	1	0	19.85	19.91	19.85				
20	16QAM	1	49	19.83	19.89	19.87	21.4	0		
20	16QAM	1	99	19.88	19.89	19.89				
20	16QAM	50	0	19.89	19.89	19.85				
20	16QAM	50	24	19.83	19.89	19.85	21.4	0		
20	16QAM	50	50	19.86	19.89	19.81				
20	16QAM	100	0	19.84	19.89	19.87				
20	16QAM	1	0	19.90	19.90	19.85				
20	16QAM	1	49	19.84	19.89	19.84	21.4	0		
20	16QAM	1	99	19.85	19.89	19.89				
20	16QAM	50	0	19.85	19.85	19.85				
20	16QAM	50	24	19.81	19.82	19.86	20.9	0.5		
20	16QAM	50	50	19.84	19.85	19.87				
20	16QAM	100	0	19.36	19.47	19.31				
20	256QAM	1	0	17.30	17.30	17.34				
20	256QAM	1	49	17.46	17.43	17.27	18.9	2.5		
20	256QAM	1	99	17.39	17.43	17.34				
20	256QAM	50	0	17.32	17.32	17.29				
20	256QAM	50	24	17.36	17.42	17.32	18.9	2.5		
20	256QAM	50	50	17.37	17.48	17.27				
20	256QAM	100	0	17.21	17.29	17.25				
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.83	19.87	19.87				
15	QPSK	1	47	19.80	19.71	19.82	21.4	0		
15	QPSK	1	74	19.80	19.87	19.72				
15	QPSK	36	0	19.79	19.82	19.70				
15	QPSK	36	20	19.79	19.81	19.74	21.4	0		
15	QPSK	36	36	19.87	19.88	19.80				
15	16QAM	1	0	19.74	19.84	19.76				
15	16QAM	1	37	19.77	19.79	19.73	21.4	0		
15	16QAM	1	74	19.76	19.82	19.76				
15	16QAM	36	0	19.84	19.89	19.77				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16QAM	1	37	19.85	19.85	19.76				
15	16QAM	1	74	19.81	19.89	19.83				
15	16QAM	36	0	19.79	19.89	19.83				
15	16QAM	36	20	19.82	19.80	19.76	21.4	0		
15	16QAM	36	36	19.86	19.85	19.71				
15	16QAM	75	0	19.78	19.84	19.71				
15	16QAM	1	0	19.85	19.84	19.71	21.4	0		
15	16									

Band 38 Ant7 DSI 3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mod. Ch. (Frac)	Power High Ch. (Frac)	Tune-up (MHz)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.87	21.09	20.91	22.1	0						
20	QPSK	1	48	20.82	21.02	20.89								
20	QPSK	1	56	20.82	20.99	20.90								
20	QPSK	50	0	20.83	21.04	20.92								
20	QPSK	50	24	20.87	21.00	20.94	22.1	0						
20	QPSK	50	56	20.83	21.00	20.91								
20	QPSK	100	0	20.84	21.00	20.94								
20	16QAM	1	0	20.86	21.02	20.93								
20	16QAM	1	48	20.86	21.00	20.92	22.1	0						
20	16QAM	1	56	20.83	21.02	20.91								
20	16QAM	50	0	20.98	20.92	20.41								
20	16QAM	50	24	20.99	20.91	20.42								
20	16QAM	100	0	20.95	20.91	20.43	21.6	0.5						
20	16QAM	100	48	20.96	20.95	20.40								
20	16QAM	1	0	20.96	20.95	20.40								
20	16QAM	1	48	20.96	20.93	20.43								
20	16QAM	1	56	20.99	20.94	20.39	21.6	0.5						
20	16QAM	50	0	19.35	19.95	19.42								
20	16QAM	50	24	19.39	19.95	19.38								
20	16QAM	50	56	19.35	19.95	19.44								
20	256QAM	1	48	17.35	17.53	17.39	18.6	3.5						
20	256QAM	1	56	17.40	17.54	17.41								
20	256QAM	50	0	17.38	17.52	17.41								
20	256QAM	50	24	17.38	17.55	17.43								
20	256QAM	100	0	17.37	17.53	17.43	18.6	3.5						
20	256QAM	100	48	17.38	17.53	17.43								
20	256QAM	100	56	17.38	17.53	17.43								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.79	20.95	20.83	22.1	0						
15	QPSK	1	48	20.79	20.90	20.79								
15	QPSK	1	56	20.72	20.93	20.79								
15	QPSK	1	74	20.74	20.86	20.80								
15	QPSK	50	0	20.70	20.91	20.79	22.1	0						
15	QPSK	50	24	20.75	20.90	20.87								
15	QPSK	50	56	20.76	20.87	20.83								
15	QPSK	100	0	20.77	20.88	20.82								
15	16QAM	1	0	20.79	20.90	20.84	22.1	0						
15	16QAM	1	48	20.78	20.90	20.84								
15	16QAM	1	56	20.74	20.89	20.81								
15	16QAM	50	0	20.26	20.45	20.30								
15	16QAM	50	24	20.28	20.45	20.30	21.6	0.5						
15	16QAM	50	56	20.27	20.39	20.32								
15	16QAM	100	0	20.29	20.46	20.31								
15	16QAM	100	48	20.27	20.44	20.32								
15	16QAM	100	56	20.25	20.40	20.31	21.6	0.5						
15	16QAM	1	0	20.25	20.40	20.31								
15	16QAM	1	48	20.26	20.45	20.29								
15	16QAM	1	56	20.29	20.45	20.29								
15	16QAM	50	0	19.24	19.41	19.36	20.6	1.5						
15	16QAM	50	24	19.31	19.42	19.36								
15	16QAM	50	56	19.26	19.35	19.35								
15	256QAM	1	0	17.25	17.42	17.29								
15	256QAM	1	48	17.32	17.42	17.31	18.6	3.5						
15	256QAM	1	56	17.30	17.45	17.30								
15	256QAM	50	0	17.30	17.45	17.28								
15	256QAM	50	24	17.25	17.48	17.29								
15	256QAM	100	0	17.27	17.43	17.34	18.6	3.5						
15	256QAM	100	48	17.27	17.43	17.34								
15	256QAM	100	56	17.27	17.43	17.34								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.78	20.93	20.79	22.1	0						
10	QPSK	1	24	20.73	20.93	20.80								
10	QPSK	1	28	20.75	20.90	20.80								
10	QPSK	25	0	20.72	20.93	20.81								
10	QPSK	25	12	20.78	20.94	20.83	22.1	0						
10	QPSK	25	24	20.76	20.91	20.78								
10	QPSK	50	0	20.74	20.92	20.82								
10	16QAM	1	0	20.76	20.90	20.83								
10	16QAM	1	24	20.74	20.90	20.84	22.1	0						
10	16QAM	1	28	20.76	20.90	20.84								
10	16QAM	50	0	20.72	20.94	20.78								
10	16QAM	50	12	20.30	20.43	20.29								
10	16QAM	25	0	20.28	20.37	20.29	21.6	0.5						
10	16QAM	25	12	20.34	20.39	20.30								
10	16QAM	25	24	20.28	20.45	20.31								
10	16QAM	1	0	20.28	20.45	20.31								
10	16QAM	1	24	20.28	20.46	20.32	21.6	0.5						
10	16QAM	1	28	20.29	20.41	20.27								
10	16QAM	25	0	19.26	19.38	19.31								
10	16QAM	25	12	19.28	19.45	19.31								
10	16QAM	25	24	19.25	19.35	19.36	20.6	1.5						
10	16QAM	50	0	19.29	19.39	19.33								
10	256QAM	1	0	17.27	17.42	17.26								
10	256QAM	1	24	17.31	17.42	17.30								
10	256QAM	1	28	17.31	17.44	17.31	18.6	3.5						
10	256QAM	25	0	17.27	17.45	17.26								
10	256QAM	25	12	17.30	17.42	17.27								
10	256QAM	25	24	17.26	17.45	17.31								
10	256QAM	50	0	17.27	17.41	17.31	18.6	3.5						
10	256QAM	50	12	17.27	17.41	17.31								
10	256QAM	50	24	17.25	17.45	17.35								
10	256QAM	50	28	17.25	17.45	17.35								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.75	20.93	20.83	22.1	0						
5	QPSK	1	12	20.71	20.91	20.80								
5	QPSK	1	24	20.72	20.90	20.81								
5	QPSK	12	0	20.76	20.94	20.81								
5	QPSK	12	7	20.74	20.93	20.85	22.1	0						
5	QPSK	12	13	20.76	20.90	20.86								
5	QPSK	25	0	20.76	20.90	20.82								
5	16QAM	1	0	20.77	20.94	20.88								
5	16QAM	1	12	20.76	20.92	20.83	22.1	0						
5	16QAM	1	24	20.72	20.90	20.80								
5	16QAM	1	28	20.76	20.92	20.83	21.6	0.5						
5	16QAM	12	7	20.27	20.41	20.33								
5	16QAM	12	13	20.29	20.41	20.26								
5	16QAM	12	19	20.27	20.42	20.29								
5	16QAM	1	0	20.25	20.46	20.30	21.6	0.5						
5	16QAM	1	12	20.27	20.41	20.26								
5	16QAM	1	24	20.29	20.44	20.32								
5	16QAM	12	0	19.26	19.41	19.31								
5	16QAM	12	7	19.30	19.43	19.31	20.6	1.5						
5	16QAM	12	13	19.28	19.44	19.31								
5	16QAM	25	0	19.30	19.38	19.31								
5	16QAM	25	12	19.27	19.43	19.31								
5	256QAM	1	12	17.29	17.38	17.32	18.6	3.5						
5	256QAM	1	24	17.27	17.46	17.31								
5	256QAM	1	28	17.28	17.46	17.31								
5	256QAM	12	7	17.29	17.47	17.31								
5	256QAM	12	13	17.30	17.47	17.31	18.6	3.5						
5	256QAM	12	19	17.27	17.45	17.31								
5	256QAM	12	25	17.27	17.45	17.31								
5	256QAM	12	31	17.27	17.45	17.31								
5	256QAM	12	37	17.27	17.45	17.31								

Band 42 Ant10 DSI 3									
RF [MHz]	Modulation	RB Bw	RB Offset	Power Level Ch / Freq	Power Margin Ch / Freq	Power High Ch / Freq	Total Sp. Bw (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
42190	3458	3600	3648						
20	QPSK	1	0	22.51	22.50	22.54			
20	QPSK	1	40	22.49	22.50	22.51	23.7	0	
20	QPSK	1	80	22.50	22.51	22.52			
20	QPSK	50	0	22.52	22.58	22.46			
20	QPSK	50	24	22.56	22.54	22.54			
20	QPSK	50	50	22.51	22.48	22.46	23.7	0	
20	QPSK	100	0	22.54	22.57	22.46			
20	HQDM	1	0	22.57	22.56	22.46			
20	HQDM	1	40	22.49	22.54	22.52	23.7	0	
20	HQDM	1	80	22.49	22.55	22.49			
20	HQDM	50	0	21.45	21.53	21.51			
20	HQDM	50	24	21.53	21.53	21.51			
20	HQDM	50	50	21.52	21.57	21.56	22.7	1	
20	HQDM	100	0	21.47	21.42	21.52			
20	HQDM	1	0	21.45	21.58	21.52			
20	HQDM	1	40	21.52	21.57	21.57	22.7	1	
20	HQDM	1	80	21.48	21.55	21.58			
20	HQDM	50	0	20.54	20.57	20.58			
20	HQDM	50	24	20.50	20.51	20.54			
20	HQDM	50	50	20.57	20.50	20.56	21.7	2	
20	HQDM	100	0	20.50	20.54	20.57			
20	SSQAM	1	0	18.47	18.54	18.59			
20	SSQAM	1	40	18.51	18.52	18.57	19.7	4	
20	SSQAM	1	80	18.49	18.55	18.49			
20	SSQAM	50	0	18.47	18.58	18.49			
20	SSQAM	50	24	18.47	18.51	18.57			
20	SSQAM	50	50	18.51	18.56	18.56	19.7	4	
20	SSQAM	100	0	18.51	18.53	18.53			
Channel									
Frequency (MHz)									
42195	3458	3600	3648						
15	QPSK	1	0	22.52	22.48	22.51			
15	QPSK	1	37	22.41	22.40	22.44	23.7	0	
15	QPSK	1	74	22.51	22.44	22.45			
15	QPSK	36	0	22.46	22.42	22.45			
15	QPSK	36	20	22.41	22.43	22.47	23.7	0	
15	QPSK	36	59	22.40	22.38	22.36			
15	QPSK	74	0	22.42	22.43	22.37			
15	HQDM	1	0	22.51	22.40	22.42			
15	HQDM	1	37	22.36	22.39	22.47	23.7	0	
15	HQDM	1	74	22.37	22.43	22.41			
15	HQDM	36	0	21.36	21.47	21.44			
15	HQDM	36	20	21.40	21.44	21.46	22.7	1	
15	HQDM	36	59	21.38	21.51	21.45			
15	HQDM	75	0	21.40	21.48	21.41			
15	HQDM	1	0	21.37	21.45	21.52			
15	HQDM	1	37	21.46	21.53	21.45	22.7	1	
15	HQDM	1	74	21.51	21.49	21.52			
15	HQDM	36	0	20.45	20.46	20.44			
15	HQDM	36	20	20.39	20.53	20.43	21.7	2	
15	HQDM	36	59	20.48	20.52	20.49			
15	HQDM	75	0	20.44	20.43	20.51			
15	SSQAM	1	0	18.42	18.39	18.47			
15	SSQAM	1	37	18.42	18.42	18.42	19.7	4	
15	SSQAM	1	74	18.39	18.54	18.35			
15	SSQAM	36	0	18.40	18.46	18.44			
15	SSQAM	36	20	18.42	18.41	18.46			
15	SSQAM	36	59	18.44	18.51	18.45	19.7	4	
15	SSQAM	75	0	18.44	18.40	18.47			
Channel									
Frequency (MHz)									
42195	3458	3600	3648						
10	QPSK	1	0	22.42	22.49	22.43			
10	QPSK	1	25	22.43	22.38	22.39	23.7	0	
10	QPSK	1	40	22.51	22.38	22.40			
10	QPSK	25	0	22.40	22.40	22.39			
10	QPSK	25	12	22.48	22.45	22.38	23.7	0	
10	QPSK	25	25	22.40	22.38	22.35			
10	QPSK	50	0	22.46	22.41	22.41			
10	HQDM	1	0	22.47	22.46	22.39			
10	HQDM	1	25	22.41	22.48	22.46	23.7	0	
10	HQDM	1	40	22.40	22.48	22.33			
10	HQDM	25	0	21.33	21.54	21.51			
10	HQDM	25	12	21.39	21.39	21.42	22.7	1	
10	HQDM	25	25	21.37	21.43	21.50			
10	HQDM	50	0	21.54	21.51	21.42			
10	HQDM	1	0	21.39	21.47	21.59			
10	HQDM	1	25	21.43	21.45	21.44	22.7	1	
10	HQDM	1	40	21.39	21.47	21.43			
10	HQDM	25	0	20.47	20.41	20.51			
10	HQDM	25	12	20.50	20.50	20.39	21.7	2	
10	HQDM	25	25	20.47	20.57	20.51			
10	HQDM	50	0	20.35	20.40	20.46			
10	SSQAM	1	0	18.43	18.39	18.52			
10	SSQAM	1	25	18.38	18.40	18.43	19.7	4	
10	SSQAM	1	40	18.39	18.42	18.33			
10	SSQAM	25	0	18.35	18.51	18.34			
10	SSQAM	25	12	18.37	18.41	18.49	19.7	4	
10	SSQAM	25	25	18.45	18.41	18.52			
10	SSQAM	50	0	18.38	18.44	18.49			
Channel									
Frequency (MHz)									
3459.5	3600	3649.5							
5	QPSK	1	0	22.59	22.51	22.43			
5	QPSK	1	12	22.41	22.37	22.44	23.7	0	
5	QPSK	1	24	22.48	22.45	22.40			
5	QPSK	12	0	22.46	22.50	22.42			
5	QPSK	18	7	22.41	22.45	22.43	23.7	0	
5	QPSK	12	13	22.42	22.38	22.42			
5	QPSK	25	0	22.40	22.50	22.39			
5	HQDM	1	0	22.49	22.43	22.44			
5	HQDM	1	12	22.43	22.48	22.45	23.7	0	
5	HQDM	1	24	22.37	22.43	22.39			
5	HQDM	12	0	21.52	21.51	21.44			
5	HQDM	12	7	21.43	21.40	21.44	22.7	1	
5	HQDM	18	13	21.47	21.50	21.44			
5	HQDM	24	0	21.53	21.58	21.41			
5	HQDM	1	0	21.44	21.52	21.51	22.7	1	
5	HQDM	1	12	21.41	21.51	21.47			
5	HQDM	1	24	21.41	21.49	21.50			
5	HQDM	12	0	20.43	20.42	20.43			
5	HQDM	12	7	20.46	20.49	20.39	21.7	2	
5	HQDM	12	13	20.52	20.49	20.49			
5	HQDM	24	0	20.47	20.48	20.48			
5	SSQAM	1	0	18.33	18.48	18.43			
5	SSQAM	1	12	18.44	18.43	18.44	19.7	4	
5	SSQAM	1	24	18.39	18.42	18.35			
5	SSQAM	12	0	18.42	18.54	18.42			
5	SSQAM	12	7	18.39	18.42	18.42	19.7	4	
5	SSQAM	18	13	18.38	18.50	18.35			
5	SSQAM	24	0	18.47	18.39	18.42			

Reduced Power Mode for DSH_Other PA

Band 4 Ant5 DSI 4									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mode Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power up limit (dBm)	Tune-up time (sec)	MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	0	22.02	22.02	22.02	22.02	23.2	0
30	QPSK	1	40	22.10	22.22	22.20	22.20	23.2	0
20	QPSK	1	56	22.11	22.20	22.17			
20	QPSK	50	0	21.20	20.90	21.21			
20	QPSK	50	24	21.10	21.26	21.20			
20	QPSK	50	50	21.11	21.14	21.20			
20	QPSK	100	0	21.18	21.08	21.28			
20	16QAM	1	0	21.10	21.26	21.20			
20	16QAM	1	40	21.16	21.24	21.26			
20	16QAM	1	56	21.14	21.10	21.18			
20	16QAM	50	0	20.17	20.25	20.25			
20	16QAM	50	24	20.14	20.30	20.26			
20	16QAM	50	50	20.06	20.10	20.14			
20	16QAM	100	0	20.23	20.26	20.29			
20	16QAM	1	0	20.14	20.28	20.29			
20	16QAM	1	40	20.16	20.22	20.28			
20	16QAM	1	56	20.15	20.20	20.24			
20	16QAM	50	0	19.17	19.27	19.23			
20	16QAM	50	24	19.08	19.25	19.16			
20	16QAM	50	50	19.13	19.25	19.26			
20	16QAM	100	0	17.25	17.32	17.18			
20	256QAM	1	40	17.12	17.24	17.23			
20	256QAM	1	56	17.11	17.17	17.23			
20	256QAM	50	24	17.18	17.27	17.22			
20	256QAM	50	50	17.18	17.21	17.27			
20	256QAM	100	0	17.08	17.26	17.21			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.11	22.11	22.13			
15	QPSK	1	37	22.04	22.16	22.18			
15	QPSK	1	74	22.00	22.16	22.15			
15	QPSK	36	0	21.15	21.20	21.17			
15	QPSK	36	20	21.06	21.14	21.17			
15	QPSK	36	36	21.00	21.10	21.11			
15	QPSK	75	0	21.08	21.16	21.14			
15	16QAM	1	0	21.13	21.16	21.23			
15	16QAM	1	37	21.08	21.10	21.15			
15	16QAM	1	74	21.02	21.08	21.16			
15	16QAM	36	0	20.08	20.16	20.19			
15	16QAM	36	20	20.10	20.25	20.20			
15	16QAM	36	36	19.99	19.99	20.08			
15	16QAM	75	0	20.14	20.23	20.18			
15	16QAM	1	0	20.03	20.21	20.16			
15	16QAM	1	37	20.12	20.25	20.19			
15	16QAM	1	74	20.05	20.15	20.13			
15	16QAM	36	0	19.99	19.18	19.10			
15	16QAM	36	20	19.94	19.17	19.07			
15	16QAM	36	36	19.93	19.09	19.11			
15	256QAM	1	0	17.12	17.28	17.13			
15	256QAM	1	37	17.01	17.16	17.20			
15	256QAM	36	0	17.06	17.17	17.21			
15	256QAM	36	20	17.12	17.19	17.19			
15	256QAM	36	36	17.07	17.11	17.12			
15	256QAM	75	0	16.95	17.18	17.16			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.11	22.15	22.16			
10	QPSK	1	26	22.07	22.15	22.09			
10	QPSK	1	40	22.04	22.15	22.11			
10	QPSK	25	0	21.09	21.18	21.10			
10	QPSK	25	12	21.03	21.19	21.13			
10	QPSK	25	25	21.06	21.08	21.11			
10	QPSK	50	0	21.09	21.19	21.19			
10	16QAM	1	0	21.06	21.15	21.23			
10	16QAM	1	25	21.04	21.10	21.16			
10	16QAM	1	40	21.07	21.16	21.15			
10	16QAM	25	0	20.13	20.16	20.09			
10	16QAM	25	12	20.09	20.19	20.21			
10	16QAM	25	25	19.96	20.05	20.03			
10	16QAM	50	0	20.17	20.19	20.23			
10	16QAM	1	25	20.08	20.18	20.23			
10	16QAM	1	40	20.06	20.17	20.22			
10	16QAM	25	0	19.18	19.16	19.12			
10	16QAM	25	12	18.95	19.15	19.08			
10	16QAM	25	25	18.99	19.02	19.12			
10	16QAM	50	0	19.04	19.07	19.12			
10	256QAM	1	0	17.15	17.25	17.04			
10	256QAM	1	25	17.09	17.18	17.13			
10	256QAM	1	40	17.02	17.12	17.14			
10	256QAM	25	0	17.11	17.24	17.19			
10	256QAM	25	12	17.11	17.08	17.21			
10	256QAM	25	25	17.03	17.13	17.16			
10	256QAM	50	0	17.02	17.22	17.19			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.12	22.13	22.17			
5	QPSK	1	12	22.01	22.10	22.07			
5	QPSK	1	24	22.03	22.09	22.05			
5	QPSK	13	0	21.12	21.20	21.15			
5	QPSK	12	7	20.99	21.22	21.11			
5	QPSK	13	13	21.04	21.09	21.08			
5	QPSK	25	0	21.04	21.22	21.15			
5	16QAM	1	0	21.03	21.17	21.16			
5	16QAM	1	12	21.02	21.13	21.22			
5	16QAM	1	24	21.09	21.11	21.09			
5	16QAM	12	0	20.14	20.15	20.11			
5	16QAM	12	7	20.12	20.19	20.14			
5	16QAM	12	13	19.99	20.06	20.01			
5	16QAM	25	0	20.10	20.21	20.26			
5	16QAM	1	12	20.02	17.17	20.26			
5	16QAM	1	12	20.09	20.18	20.25			
5	16QAM	1	24	20.04	20.09	20.20			
5	16QAM	13	0	19.11	19.20	19.11			
5	16QAM	12	7	18.98	19.11	19.11			
5	16QAM	12	13	18.96	19.08	19.15			
5	16QAM	25	0	19.09	19.23	19.17			
5	256QAM	1	0	17.19	17.24	17.12			
5	256QAM	1	12	16.98	17.19	17.19			
5	256QAM	1	24	17.02	17.11	17.13			
5	256QAM	12	0	17.16	17.16	17.12			
5	256QAM	12	7	17.06	17.17	17.17			
5	256QAM	12	13	17.08	17.14	17.20			
5	256QAM	25	0	16.99	17.19	17.10			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.20	22.14	22.17			
1.4	QPSK	1	3	22.00	22.17	22.13			
1.4	QPSK	1	5	22.07	22.07	22.09			
1.4	QPSK	3	0	22.06	22.04	22.04			
1.4	QPSK	3	1	21.91	22.07	22.09			
1.4	QPSK	3	3	21.08	21.94	22.05			
1.4	QPSK	6	0	21.05	21.26	21.13			
1.4	16QAM	1	0	21.09	21.19	21.22			
1.4	16QAM	1	3	21.10	21.12	21.14			
1.4	16QAM	1	5	21.05	21.14	21.17			
1.4	16QAM	3	0	21.03	21.20	21.10			
1.4	16QAM	3	1	20.96	21.09	21.15			
1.4	16QAM	3	3	21.07	21.03	21.06			
1.4	16QAM	6	0	20.16	20.13	20.27			
1.4	16QAM	3	2	20.07	20.23	20.26			
1.4	16QAM	1	3	20.02	20.25	20.20			
1.4	16QAM	1	5	20.12	20.06	20.21			
1.4	16QAM	1	3	20.05	20.09	20.23			
1.4	16QAM	3	1	20.04	20.17	20.16			
1.4	16QAM	3	3	19.90	20.13	20.16			
1.4	16QAM	6	0	19.92	19.19	19.21			
1.4	256QAM	1	0	17.11	17.22	17.11			
1.4	256QAM	3	0	17.03	17.21	17.07			
1.4	256QAM	3	3	17.01	17.09	17.16			
1.4	256QAM	3	5	17.14	17.14	17.18			
1.4	256QAM	6	0	17.08	17.16	17.17			
1.4	256QAM	3	3	17.01	17.08	17.17			
1.4	256QAM	6	0	16.95	17.15	17.08			

Band 7 Ant5 DSI 4									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Mode Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Power up limit (dBm)	Tune-up time (sec)	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.10	21.05	21.00			
20	QPSK	1	40	21.28	21.29	21.18			22.3
20	QPSK	1	56	21.23	21.28	21.19			
20	QPSK	50	0	20.30	20.28	20.33			
20	QPSK	50	24	20.28	20.33	20.15			21.3
20	QPSK	50	50	20.26	20.30	20.16			
20	QPSK	100	0	20.34	20.35	20.25			
20	QPSK	1	0	20.34	20.34	20.34			21.3
20	QPSK	1	40	20.32	20.32	20.32			
20	QPSK	1	56	20.28	20.27	20.22			
20	QPSK	50	0	19.28	19.27	19.36			
20	QPSK	50	24	19.29	19.33	19.18			20.3
20	QPSK	50	50	19.35	19.33	19.30			
20	QPSK	100	0	19.32	19.33	19.25			
20	QPSK	1	40	19.34	19.31	19.27			20.3
20	QPSK	1	56	19.35	19.28	19.19			
20	QPSK	50	0	18.30	18.29	18.34			
20	QPSK	50	24	18.28	18.29	18.18			19.3
20	QPSK	50	50	18.28	18.35	18.10			
20	QPSK	100	0	18.32	18.35	18.25			
20	QPSK	1	0	16.28	16.36	16.34			
20	QPSK	1	40	16.24	16.35	16.11			17.3
20	QPSK	1	56	16.21	16.31	16.19			
20	QPSK	50	0	16.29	16.32	16.29			
20	QPSK	50	24	16.28	16.29	16.28			17.3
20	QPSK	50	50	16.28	16.30	16.28			
20	QPSK	100	0	16.28	16.24	16.23			
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.05	21.00	21.05			
15	QPSK	1	47	21.24	21.15	21.04			22.3
15	QPSK	1	57	21.18	21.15	21.15			
15	QPSK	50	0	20.18	20.28	20.28			
15	QPSK	50	20	20.25	20.30	20.30			
15	QPSK	50	50	20.25	20.30	20.14			
15	QPSK	75	0	20.35	20.33	20.21			
15	QPSK	1	0	20.24	20.27	20.26			
15	QPSK	1	20	20.20	20.20	20.20			21.3
15	QPSK	1	74	20.16	20.21	20.17			
15	QPSK	36	0	19.25	19.25	19.33			
15	QPSK	36	20	19.25	19.25	19.25			
15	QPSK	36	50	19.15	19.22	19.36			20.3
15	QPSK	75	0	19.22	19.20	19.28			
15	QPSK	75	20	19.23	19.33	19.32			
15	QPSK	1	47	16.16	16.25	16.15			
15	QPSK	1	74	16.11	16.13	16.06			
15	QPSK	36	0	16.24	16.22	16.24			
15	QPSK	36	20	16.24	16.22	16.04			19.3
15	QPSK	36	50	16.15	16.24	17.99			
15	QPSK	75	0	16.16	16.25	16.15			
15	QPSK	75	20	16.16	16.32	16.31			
15	QPSK	1	47	16.16	16.30	16.06			17.3
15	QPSK	1	74	16.10	16.18	16.06			
15	QPSK	36	0	16.20	16.28	16.18			
15	QPSK	36	20	16.19	16.19	16.29			17.3
15	QPSK	36	50	16.19	16.19	16.19			
15	QPSK	75	0	15.23	15.10	15.12			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.00	21.05	21.15			
10	QPSK	1	25	21.24	21.27	21.11			22.3
10	QPSK	1	40	21.16	21.22	21.17			
10	QPSK	1	50	21.10	21.15	21.10			
10	QPSK	25	12	20.17	20.20	20.31			21.3
10	QPSK	25	26	20.22	20.18	20.03			
10	QPSK	25	50	20.22	20.18	20.03			
10	QPSK	50	0	20.31	20.28	20.24			
10	QPSK	1	25	20.20	20.29	20.16			
10	QPSK	1	50	20.16	20.20	20.19			
10	QPSK	25	0	19.25	19.30	19.28			
10	QPSK	25	12	19.15	19.35	19.01			20.3
10	QPSK	25	26	19.20	19.24	19.20			
10	QPSK	50	0	19.27	19.22	19.26			
10	QPSK	1	25	18.19	19.20	18.19			
10	QPSK	1	49	18.24	19.22	19.05			
10	QPSK	25	0	18.29	18.33	18.17			
10	QPSK	25	12	18.29	18.33	18.17			
10	QPSK	25	26	18.25	18.28	17.97			19.3
10	QPSK	50	0	18.21	18.26	18.26			
10	QPSK	50	12	18.21	18.26	18.26			
10	QPSK	1	25	16.15	16.28	16.05			17.3
10	QPSK	25	0	16.29	16.31	16.09			
10	QPSK	25	12	16.29	16.31	16.07			
10	QPSK	25	26	16.18	16.27	16.16			
10	QPSK	50	0	16.27	16.27	16.14			
10	QPSK	50	12	16.29	16.18	16.18			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.95	21.00	21.05			
5	QPSK	1	12	21.23	21.23	21.23			
5	QPSK	1	24	21.20	21.25	21.05			22.3
5	QPSK	1	24	21.16	21.14	21.12			
5	QPSK	1	48	20.19	20.20	20.20			
5	QPSK	12	13	20.19	20.31	20.04			
5	QPSK	30	0	20.30	20.30	20.30			
5	QPSK	1	0	20.30	20.22	20.29			
5	QPSK	1	12	20.22	20.31	20.16			21.3
5	QPSK	1	24	20.22	20.29	20.22			
5	QPSK	12	7	19.31	19.34	19.31			
5	QPSK	12	7	19.11	19.28	18.99			20.3
5	QPSK	12	19	19.20	19.20	19.20			
5	QPSK	25	0	19.19	19.29	19.24			
5	QPSK	1	0	18.18	19.38	19.19			
5	QPSK	1	12	18.18	19.38	19.19			20.3
5	QPSK	1	24	19.33	19.22	19.10			
5	QPSK	12	6	18.29	18.23	18.22			
5	QPSK	12	13	18.24	18.21	18.03			19.3
5	QPSK	25	0	18.30	18.22	18.29			
5	QPSK	25	12	18.30	18.22	18.29			
5	QPSK	1	24	16.14	16.25	16.06			
5	QPSK	1	12	16.16	16.26	16.10			17.3
5	QPSK	12	7	16.25	16.18	16.34			
5	QPSK	12	13	16.21	16.20	16.23			

Band 38 Ant5 DSI 4									
BW [MHz]	Modulation	RB Size [MHz]	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Total up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37890	38050	38190			
20	QPSK	1	0	21.41	21.48	21.39			
20	QPSK	1	49	21.29	21.48	21.30	22.5	0	
20	QPSK	1	98	21.29	21.47	21.29			
20	QPSK	50	0	20.47	20.51	20.41			
20	QPSK	50	24	20.33	20.50	20.31	21.5	1	
20	QPSK	50	49	20.33	20.49	20.30			
20	QPSK	100	0	20.39	20.48	20.38			
20	16QAM	1	0	20.42	20.45	20.43			
20	16QAM	1	49	20.33	20.44	20.35	21.5	1	
20	16QAM	1	99	20.32	20.41	20.31			
20	16QAM	50	24	19.45	19.53	19.41			
20	16QAM	50	24	19.35	19.47	19.30			
20	16QAM	50	50	19.30	19.48	19.28	20.5	2	
20	16QAM	100	0	19.29	19.42	19.30			
20	16QAM	1	0	19.47	19.49	19.41			
20	16QAM	1	49	19.34	19.42	19.31	20.5	2	
20	16QAM	1	99	19.34	19.35	19.33			
20	16QAM	50	0	18.43	18.48	18.42			
20	16QAM	50	24	18.35	18.50	18.29			
20	16QAM	50	50	18.23	18.46	18.21	19.5	3	
20	16QAM	100	0	18.40	18.46	18.35			
20	256QAM	1	0	18.52	18.50	18.40			
20	256QAM	1	49	18.39	18.47	18.35	17.5	5	
20	256QAM	1	99	18.29	18.52	18.21			
20	256QAM	50	24	18.29	18.46	18.21			
20	256QAM	50	24	18.42	18.44	18.44	17.5	5	
20	256QAM	50	50	18.34	18.48	18.35			
20	256QAM	100	0	18.30	18.41	18.33			
Channel									
Frequency (MHz)				37825	38000	38175	up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.73	21.43	21.31			
15	QPSK	1	37	21.22	21.38	21.25	22.5	0	
15	QPSK	1	74	21.20	21.35	21.18			
15	QPSK	36	0	20.37	20.48	20.34			
15	QPSK	36	20	20.26	20.47	20.19	21.5	1	
15	QPSK	36	20	20.17	20.46	20.10			
15	QPSK	75	0	20.35	20.38	20.30			
15	16QAM	1	0	20.33	20.38	20.33			
15	16QAM	1	37	20.33	20.31	20.29	21.5	1	
15	16QAM	1	74	20.20	20.31	20.22			
15	16QAM	36	0	19.49	19.43	19.29			
15	16QAM	36	20	19.27	19.45	19.24	20.5	2	
15	16QAM	36	36	19.27	19.44	19.24			
15	16QAM	75	0	19.36	19.31	19.26			
15	16QAM	1	0	19.39	19.29	19.38			
15	16QAM	1	37	19.23	19.40	19.20	20.5	2	
15	16QAM	1	74	19.26	19.22	19.20			
15	16QAM	36	20	18.21	18.41	18.19	19.5	3	
15	16QAM	36	20	18.21	18.40	18.20			
15	16QAM	75	0	18.35	18.40	18.32			
15	256QAM	1	0	18.49	18.40	18.37			
15	256QAM	1	37	18.23	18.40	18.23	17.5	5	
15	256QAM	1	74	18.25	18.39	18.11			
15	256QAM	36	0	18.35	18.50	18.31			
15	256QAM	36	20	18.35	18.40	18.35			
15	256QAM	36	36	18.29	18.34	18.23	17.5	5	
15	256QAM	75	0	18.22	18.25	18.16			
Channel									
Frequency (MHz)				2575	2595	2615	up limit (dBm)	MPR (dB)	
10	QPSK	1	0	21.27	21.28	21.27			
10	QPSK	1	25	21.27	21.36	21.27	22.5	0	
10	QPSK	1	49	21.18	21.33	21.15			
10	QPSK	25	0	20.36	20.37	20.36			
10	QPSK	25	12	20.25	20.44	20.19	21.5	1	
10	QPSK	25	25	20.13	20.41	20.18			
10	QPSK	50	0	20.34	20.36	20.33			
10	QPSK	50	1	20.29	20.35	20.37	21.5	1	
10	16QAM	1	0	20.30	20.39	20.21			
10	16QAM	1	49	20.34	20.31	20.21	21.5	1	
10	16QAM	25	0	19.34	19.49	19.32			
10	16QAM	25	12	19.29	19.34	19.22	20.5	2	
10	16QAM	25	25	19.17	19.42	19.15			
10	16QAM	50	0	19.25	19.39	19.25			
10	16QAM	1	0	19.39	19.34	19.31			
10	16QAM	1	25	19.31	19.32	19.27	20.5	2	
10	16QAM	1	49	19.23	19.26	19.20			
10	16QAM	25	0	18.39	18.42	18.35			
10	16QAM	25	12	18.21	18.45	18.25	19.5	3	
10	16QAM	25	25	18.11	18.38	18.14			
10	16QAM	50	0	18.28	18.34	18.31			
10	256QAM	1	0	18.43	18.37	18.33			
10	256QAM	1	25	18.20	18.41	18.22	17.5	5	
10	256QAM	1	49	18.25	18.38	18.11			
10	256QAM	25	0	18.35	18.51	18.29			
10	256QAM	25	12	18.29	18.31	18.21	17.5	5	
10	256QAM	25	25	18.24	18.36	18.22			
10	256QAM	50	0	18.23	18.23	18.15			
Channel									
Frequency (MHz)				2572.5	2595	2617.5	up limit (dBm)	MPR (dB)	
5	QPSK	1	0	21.36	21.41	21.37			
5	QPSK	1	12	21.17	21.42	21.25	22.5	0	
5	QPSK	1	24	21.26	21.32	21.17			
5	QPSK	12	0	20.46	20.49	20.35			
5	QPSK	12	7	20.25	20.41	20.25	21.5	1	
5	QPSK	12	13	20.14	20.41	20.13			
5	QPSK	25	0	20.33	20.34	20.29			
5	16QAM	1	0	20.31	20.40	20.30			
5	16QAM	1	12	20.21	20.33	20.17	21.5	1	
5	16QAM	1	24	20.18	20.34	20.23			
5	16QAM	12	0	19.42	19.48	19.28			
5	16QAM	12	7	19.29	19.42	19.22	20.5	2	
5	16QAM	12	13	19.26	19.44	19.15			
5	16QAM	25	0	19.31	19.32	19.25			
5	16QAM	1	0	19.44	19.32	19.35			
5	16QAM	1	12	19.21	19.28	19.27	20.5	2	
5	16QAM	1	24	19.30	19.33	19.25			
5	16QAM	12	7	18.25	18.41	18.25	19.5	3	
5	16QAM	12	13	18.09	18.37	18.18			
5	16QAM	25	0	18.39	18.34	18.35			
5	16QAM	1	0	18.47	18.43	18.39			
5	256QAM	1	12	18.20	18.44	18.24	17.5	5	
5	256QAM	1	24	18.10	18.38	18.14			
5	256QAM	12	0	18.26	18.40	18.28			
5	256QAM	12	7	18.40	18.30	18.35	17.5	5	
5	256QAM	12	13	18.28	18.45	18.29			
5	256QAM	25	0	18.26	18.23	18.20			

Band 41 Ant5 DSI 4									
BW [MHz]	Modulation	RB Size [MHz]	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Total up (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				39750	40185	40620	41058	41496	
20	QPSK	1	0	21.40	21.37	21.42	21.36	21.41	
20	QPSK	1	49	21.31	21.24	21.38	21.31	21.29	22.5
20	QPSK	1	98	21.30	21.27	21.36	21.29	21.37	
20	QPSK	50	0	20.38	20.32	20.47	20.31	20.48	
20	QPSK	50	24	20.34	20.30	20.42	20.33	20.39	21.5
20	QPSK	50	49	20.35	20.30	20.34	20.32	20.35	
20	QPSK	100	0	20.40	20.38	20.44	20.39	20.36	
20	16QAM	1	0	20.38	20.34	20.41	20.34	20.39	21.5
20	16QAM	1	49	20.34	20.29	20.35	20.32	20.32	
20	16QAM	1	99	20.25	20.32	20.36	20.28	20.41	
20	16QAM	50	24	19.42	19.43	19.49	19.50	19.48	20.5
20	16QAM	50	24	19.37	19.25	19.45	19.29	19.26	
20	16QAM	50	50	19.31	19.27	19.32	19.27	19.36	20.5
20	16QAM	100	0	19.36	19.30	19.35	19.30	19.35	
20	16QAM	1	0	19.29	19.25	19.41	19.35	19.34	
20	16QAM	1	49	19.31	19.28	19.37	19.37	19.28	20.5
20	16QAM	1	99	19.22	19.27	19.33	19.29	19.36	
20	16QAM	50	0	18.33	18.29	18.43	18.37	18.40	
20	16QAM	50	24	18.32	18.17	18.44	18.30	18.27	19.5
20	16QAM	50	50	18.32	18.24	18.33	18.27	18.31	
20	16QAM	100	0	18.36	18.41	18.49	18.38	18.33	
20	256QAM	1	0	18.42	18.32	18.48	18.30	18.42	
20	256QAM	1	49	18.35	18.19	18.47	18.25	18.35	17.5
20	256QAM	1	99	18.26	18.29	18.31	18.36	18.38	
20	256QAM	50	24	18.24	18.20	18.43	18.25	18.38	
20	256QAM	50	24	18.37	18.33	18.37	18.30	18.40	17.5
20	256QAM	50	50	18.35	18.24	18.34	18.38	18.38	

Band 4 Ant4 DSI 4										Band 7 Ant4 DSI 4										Band 66 Ant4 DSI 4									
RF (MHz)	Modulation	RB Size	RB Offset	Power Level Ch Power	Power Mask Ch Power	Power Level Ch Power	Time slot (ms)	MPR (dB)		RF (MHz)	Modulation	RB Size	RB Offset	Power Level Ch Power	Power Mask Ch Power	Power Level Ch Power	Time slot (ms)	MPR (dB)		RF (MHz)	Modulation	RB Size	RB Offset	Power Level Ch Power	Power Mask Ch Power	Power Level Ch Power	Time slot (ms)	MPR (dB)	
Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	20.94	20.13	20.94				20	QPSK	1	0	18.49	16.93	18.49					20	QPSK	1	0	20.86	21.13	20.86		
20	QPSK	1	49	20.95	21.08	21.02	22.8	0		20	QPSK	1	49	18.58	18.65	18.59					20	QPSK	1	49	20.84	20.88	20.82	22.8	0
20	QPSK	50	0	20.95	21.08	21.02				20	QPSK	50	0	18.50	18.53	18.50					20	QPSK	50	0	20.79	21.03	20.79		
20	QPSK	50	5	20.95	21.08	21.02				20	QPSK	50	5	18.50	18.53	18.50					20	QPSK	50	5	20.85	21.13	20.86		
20	QPSK	50	24	20.99	21.05	21.04				20	QPSK	50	24	18.59	18.58	18.60					20	QPSK	50	24	20.88	21.09	20.92	22.8	0
20	QPSK	50	24	20.99	21.05	21.04				20	QPSK	50	24	18.59	18.58	18.60					20	QPSK	50	24	20.88	21.09	20.92		
20	QPSK	100	0	20.92	21.05	21.05	22.8	0		20	QPSK	100	0	18.52	18.56	18.55					20	QPSK	100	0	20.82	21.04	20.86		
20	16QAM	1	0	20.96	21.05	20.99				20	16QAM	1	0	18.58	18.63	18.60					20	16QAM	1	0	20.94	21.02	20.89		
20	16QAM	1	49	20.96	21.05	21.04	22.8	0		20	16QAM	1	49	18.57	18.62	18.61					20	16QAM	1	49	20.92	21.01	20.90	22.8	0
20	16QAM	1	99	20.96	21.07	21.00				20	16QAM	1	99	18.54	18.59	18.62					20	16QAM	1	99	20.89	21.00	20.82		
20	16QAM	50	0	20.95	21.05	20.95				20	16QAM	50	0	18.54	18.59	18.61					20	16QAM	50	0	20.87	21.04	20.75		
20	16QAM	50	24	20.95	21.02	21.00				20	16QAM	50	24	18.57	18.59	18.62					20	16QAM	50	24	20.84	21.03	20.85	22.8	0
20	16QAM	50	24	20.95	21.02	21.00				20	16QAM	50	24	18.57	18.59	18.61					20	16QAM	50	24	20.84	21.03	20.85		
20	16QAM	100	0	20.95	21.04	20.95				20	16QAM	100	0	18.57	18.64	18.63					20	16QAM	100	0	21.00	21.06	20.75		
20	16QAM	100	0	20.95	21.04	20.95				20	16QAM	100	0	18.57	18.59	18.62					20	16QAM	100	0	20.94	21.01	20.75		
20	64QAM	1	49	20.98	20.95	21.01	22.8	0		20	64QAM	1	49	18.54	18.67	18.55					20	64QAM	1	49	20.83	21.09	20.77	22.8	0
20	64QAM	1	99	20.98	21.05	20.95				20	64QAM	1	99	18.54	18.59	18.62					20	64QAM	1	99	20.89	21.00	20.82		
20	64QAM	50	0	20.97	21.07	20.97				20	64QAM	50	0	18.52	18.59	18.61					20	64QAM	50	0	20.87	21.04	20.75		
20	64QAM	50	24	20.97	21.02	21.00				20	64QAM	50	24	18.57	18.59	18.62					20	64QAM	50	24	20.84	21.03	20.85	22.8	0
20	64QAM	50	24	20.97	21.02	21.00				20	64QAM	50	24	18.57	18.59	18.61					20	64QAM	50	24	20.84	21.03	20.85		
20	64QAM	100	0	20.97	21.06	20.97				20	64QAM	100	0	18.57	18.64	18.63					20	64QAM	100	0	21.00	21.06	20.75		
20	64QAM	100	0	20.97	21.06	20.97				20	64QAM	100	0	18.57	18.59	18.62					20	64QAM	100	0	20.94	21.01	20.75		
20	256QAM	1	0	18.99	18.91	18.94				20	256QAM	1	0	17.99	18.12	18.10					20	256QAM	1	0	18.94	19.07	18.95		
20	256QAM	1	49	18.99	18.95	18.96	22.8	0		20	256QAM	1	49	18.94	18.95	18.92					20	256QAM	1	49	18.79	18.84	18.86	22.8	0
20	256QAM	1	99	18.92	18.91	18.96				20	256QAM	1	99	18.90	18.90	18.99					20	256QAM	1	99	18.89	18.94	18.96		
20	256QAM	50	0	18.98	18.95	18.98				20	256QAM	50	0	18.98	18.99	18.98					20	256QAM	50	0	18.98	19.04	18.86		
20	256QAM	50	24	18.98	18.95	18.98				20	256QAM	50	24	18.97	18.98	18.99					20	256QAM	50	24	18.79	18.84	18.86	22.8	0
20	256QAM	50	24	18.98	18.95	18.98				20	256QAM	50	24	18.97	18.98	18.99					20	256QAM	50	24	18.79	18.84	18.86		
20	256QAM	100	0	18.93	18.95	18.96				20	256QAM	100	0	18.92	18.98	18.11					20	256QAM	100	0	18.84	19.05	18.95		
20	256QAM	100	0	18.93	18.95	18.96				20	256QAM	100	0	18.92	18.98	18.11					20	256QAM	100	0	18.84	19.05	18.95		
Channel										Channel										Channel									
Frequency (MHz)										Frequency (MHz)										Frequency (MHz)									
16	QPSK	1	0	20.90	21.01	20.99				16	QPSK	1	0	18.49	18.51	18.49					16	QPSK	1	0	20.77	21.02	20.79		
16	QPSK	1	37	20.93	20.97	20.97	22.8	0		16	QPSK	1	37	18.46	18.56	18.51					16	QPSK	1	37	20.80	20.81	20.74	22.8	0
16	QPSK	14	0	20.92	21.05	20.97				16	QPSK	14	0	18.47	18.46	18.42					16	QPSK	14	0	20.77	20.88	20.69		
16	QPSK	38	0	20.77	20.89	20.84				16	QPSK	38	0	18.49	18.55	18.49					16	QPSK	38	0	20.78	20.36	20.68		
16	QPSK	38	5	20.77	20.89	20.84				16	QPSK	38	5	18.49	18.55	18.49					16	QPSK	38	5	20.78	20.36	20.68		
16	QPSK	38	20	20.83	20.86	20.83				16	QPSK	38	20	18.45	18.47	18.52					16	QPSK	38	20	20.86	20.82	20.84	22.8	0
16	QPSK	78	0	20.87	21.04	20.87				16	QPSK	78	0	18.41	18.52	18.51					16	QPSK	78	0	20.74	21.01	20.70		
16	QPSK	78	4	20.87	21.04	20.87				16	QPSK	78	4	18.42	18.49	18.51					16	QPSK	78	4	20.74	21.01	20.70		
16	16QAM	1	0	20.91	21.02	20.97				16	16QAM	1	0	18.46	18.55	18.52					16	16QAM	1	0	20.85	20.92	20.85		
16	16QAM	1	74	20.95	20.98	20.86	22.8	0		16	16QAM	1	74	18.40	18.54	18.57					16	16QAM	1	74	20.87	20.80	20.76	22.8	0
16	16QAM	1	99	20.97	21.05	20.95				16	16QAM	1	99	18.44	18.56	18.52					16	16QAM	1	99	20.78	20.92	20.85		
16	16QAM	38	20	20.90	20.95	20.95				16	16QAM	38	20	18.48	18.54	18.45					16	16QAM	38	20	20.77	20.91	20.79	22.8	0
16	16QAM	38	39	20.81	21.01	20.82				16	16QAM	38	39	18.44	18.43	18.45					16	16QAM	38	39	20.83	20.95	20.67	22.8	0
16	16QAM	38	39	20.81	21.01	20.82				16	16QAM	38	39	18.44	18.43	18.45					16	16QAM	38	39	20.83	20.95	20.67		
16	16QAM	50	0	20.82	20.94	20.95				16	16QAM	50	0	18.40	18.50	18.57					16	16QAM	50	0	20.77	20.98	20.66		
16	16QAM	50	1	20.82	20.94	20.95				16	16QAM	50	1	18.44	18.56	18.51					16	16QAM	50	1	20.80	20.96	20.75	22.8	0
16	16QAM	50	74	20.83	20.97	20.83				16	16QAM	50	74	18.43	18.49	18.52					16	16QAM	50	74	20.83	20.92	20.73		
16	16QAM	38	0	20.80	20.87	20.84				16	16QAM	38	0	18.44	18.51	18.43					16	16QAM	38	0	20.80	20.89	20.81		
16	16QAM	38	20	20.83	20.97	20.83				16	16QAM	38	20	18.47	18.59	18.43					16	16QAM	38	20	20.88	20.90	20.74	22.8	0
16	16QAM	38	20	20.83	20.97	20.83				16	16QAM	38	20	18.47	18.59	18.43					16	16QAM	38	20	20.88	20.90	20.74		
16	16QAM	78	0	20.89	20.95	20.85				16	16QAM	78	0	18.51	18.54	18.58					16	16QAM	78	0	20.79	20.92	20.74	22.8	0
16	16QAM	78	0	20.89	20.95	20.85				16	16QAM	78	0	18.51	18.54	18.58					16	16QAM	78	0	20.79	20.92	20.74		
16	256QAM	1	0	18.99	18.92	18.78				16	256QAM	1	0	17.90	18.07	17.95					16	256QAM	1	0	18.91	19.00	18.68		
16	256QAM	1	37	18.99	18.91	18.81	22.8	0		16	256QAM	1	37	17.91	17.93	17.95					16	256QAM	1	37	18.81</				

Band 38 Ant4 DSI 4											
RF (MHz)	Modem	RB Size	RB Offset	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Power Low (dBm)	Power High (dBm)	Time offset (ms)	spurs (dB)
Channel											
Frequency (MHz)				2565	2565	2565	2565	2565	2565		
90 QPSK	1	0	22.16	22.39	22.17						
90 QPSK	9	0	22.16	22.39	22.17					23.6	0
90 QPSK	1	99	22.17	22.17	22.14						
90 QPSK	9	99	22.17	22.17	22.14						
90 QPSK	50	24	22.16	22.39	22.18					23.6	0
90 QPSK	50	24	22.16	22.39	22.18						
90 QPSK	50	50	22.16	22.28	22.15						
90 QPSK	50	50	22.16	22.28	22.15						
90 QPSK	50	100	22.17	22.29	22.18						
90 QPSK	50	100	22.17	22.29	22.18						
90 QPSK	1	46	21.19	21.30	21.18					22.6	0
90 QPSK	1	99	21.18	21.26	21.15						
90 QPSK	1	99	21.18	21.26	21.15						
90 QPSK	50	24	21.18	21.31	21.17					22.6	0
90 QPSK	50	24	21.18	21.31	21.17						
90 QPSK	50	50	21.18	21.30	21.17						
90 QPSK	50	50	21.18	21.30	21.17						
90 QPSK	50	100	21.17	21.29	21.16						
90 QPSK	50	100	21.17	21.29	21.16						
90 QPSK	1	46	21.19	21.30	21.18					22.6	0
90 QPSK	1	99	21.18	21.26	21.15						
90 QPSK	1	99	21.18	21.26	21.15						
90 QPSK	50	24	20.18	20.13	20.25					21.6	2
90 QPSK	50	24	20.18	20.13	20.25						
90 QPSK	50	50	20.18	20.13	20.14						
90 QPSK	50	50	20.18	20.13	20.14						
90 QPSK	50	100	20.17	20.09	20.33						
90 QPSK	50	100	20.17	20.09	20.33						
90 QPSK	1	99	18.11	18.37	18.22						
90 QPSK	1	99	18.11	18.37	18.22						
90 QPSK	50	24	18.14	18.30	18.16					19.6	4
90 QPSK	50	24	18.14	18.30	18.16						
90 QPSK	50	50	18.14	18.31	18.15						
90 QPSK	50	50	18.14	18.31	18.15						
90 QPSK	50	100	18.26	18.30	18.09						
90 QPSK	50	100	18.26	18.30	18.09						
Channel											
Frequency (MHz)				2577.5	2578	2577.5	2577.5	2577.5	2577.5		
90 QPSK	1	0	22.17	22.36	22.11						
90 QPSK	9	0	22.17	22.36	22.11					23.6	0
90 QPSK	1	74	22.17	22.67	22.61						
90 QPSK	9	74	22.17	22.67	22.61						
90 QPSK	36	20	22.09	22.18	22.11						
90 QPSK	36	20	22.09	22.18	22.11						
90 QPSK	36	39	22.04	22.18	22.04						
90 QPSK	36	39	22.04	22.18	22.04						
90 QPSK	1	99	22.14	22.25	22.09						
90 QPSK	1	99	22.14	22.25	22.09						
90 QPSK	50	24	21.18	21.31	21.17					22.6	0
90 QPSK	50	24	21.18	21.31	21.17						
90 QPSK	50	50	21.18	21.30	21.17						
90 QPSK	50	50	21.18	21.30	21.17						
90 QPSK	50	100	21.17	21.29	21.16						
90 QPSK	50	100	21.17	21.29	21.16						
90 QPSK	1	46	21.19	21.30	21.18					22.6	0
90 QPSK	1	99	21.18	21.26	21.15						
90 QPSK	1	99	21.18	21.26	21.15						
90 QPSK	50	24	20.18	20.13	20.25					21.6	2
90 QPSK	50	24	20.18	20.13	20.25						
90 QPSK	50	50	20.18	20.13	20.14						
90 QPSK	50	50	20.18	20.13	20.14						
90 QPSK	50	100	20.17	20.09	20.33						
90 QPSK	50	100	20.17	20.09	20.33						
90 QPSK	1	99	18.11	18.37	18.22						
90 QPSK	1	99	18.11	18.37	18.22						
90 QPSK	50	24	18.14	18.30	18.16					19.6	4
90 QPSK	50	24	18.14	18.30	18.16						
90 QPSK	50	50	18.14	18.31	18.15						
90 QPSK	50	50	18.14	18.31	18.15						
90 QPSK	50	100	18.26	18.30	18.09						
90 QPSK	50	100	18.26	18.30	18.09						
Channel											
Frequency (MHz)				3777.5	3778	3777.5	3777.5	3777.5	3777.5		
90 QPSK	1	0	22.15	22.34	22.10						
90 QPSK	1	12	22.04	22.08	22.10					23.6	0
90 QPSK	1	24	22.13	22.09	22.09						
90 QPSK	1	24	22.13	22.09	22.09						
90 QPSK	12	7	22.13	22.14	22.08					23.6	0
90 QPSK	12	7	22.13	22.14	22.08						
90 QPSK	24	0	22.13	22.33	22.07						
90 QPSK	24	0	22.13	22.33	22.07						
90 QPSK	1	0	22.05	22.07	22.05					23.6	0
90 QPSK	1	12	22.05	22.08	22.11						
90 QPSK	1	24	22.11	21.17	22.08						
90 QPSK	12	0	21.07	21.27	21.08					22.6	0
90 QPSK	12	0	21.07	21.27	21.08						
90 QPSK	1	24	21.12	21.12	21.07						
90 QPSK	1	24	21.12	21.12	21.07						
90 QPSK	12	0	21.07	21.24	21.08					22.6	0
90 QPSK	12	0	21.07	21.24	21.08						
90 QPSK	1	24	21.12	21.12	21.07						
90 QPSK	1	24	21.12	21.12	21.07						
90 QPSK	12	0	20.11	20.29	20.11					21.6	2
90 QPSK	12	0	20.11	20.29	20.11						
90 QPSK	12	7	20.03	20.05	20.18						
90 QPSK	12	7	20.03	20.05	20.18						
90 QPSK	12	13	20.03	20.05	20.18					21.6	2
90 QPSK	12	13	20.03	20.05	20.18						
90 QPSK	1	24	18.15	18.10	17.87					19.6	4
90 QPSK	1	24	18.15	18.10	17.87						
90 QPSK	12	7	18.11	18.24	18.15					19.6	4
90 QPSK	12	7	18.11	18.24	18.15						
90 QPSK	12	13	18.12	18.24	18.05						
90 QPSK	12	13	18.12	18.24	18.05						

Band 41 Ant4 DSI 4										
Ref	Model	Mod ID	Ref ID	Power Low Ch/Freq	Power Low Mid/Freq	Power High Ch/Freq	Power High Mid/Freq	Power High Fwd/Freq	Time Off/Freq	Time On/Freq
Channel										
Frequency (MHz)	2506 2606 2653 2693 2696.5 2696.5									
20	OSPK	1	0	21.09	21.04	21.30	21.06	21.13		
20	OSPK	1	16	21.09	21.04	21.30	21.06	21.13		22.6
20	OSPK	1	36	21.09	21.08	21.17	21.11	21.09		
20	OSPK	1	56	21.09	21.08	21.17	21.11	21.09		
20	OSPK	1	76	21.16	21.14	21.20	21.04	21.05		22.6
20	OSPK	50	10	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	30	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	50	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	70	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	90	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	110	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	130	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	150	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	170	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	190	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	210	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	230	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	250	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	270	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	290	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	310	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	330	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	350	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	370	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	390	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	410	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	430	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	450	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	470	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	490	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	510	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	530	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	550	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	570	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	590	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	610	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	630	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	650	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	670	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	690	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	710	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	730	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	750	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	770	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	790	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	810	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	830	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	850	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	870	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	890	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	910	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	930	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	950	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	970	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	990	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1010	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1030	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1050	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1070	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1090	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1110	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1130	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1150	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1170	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1190	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1210	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1230	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1250	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1270	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1290	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1310	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1330	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1350	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1370	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1390	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1410	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1430	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1450	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1470	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1490	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1510	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1530	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1550	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1570	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1590	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1610	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1630	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1650	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1670	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1690	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1710	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1730	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1750	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1770	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1790	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1810	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1830	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1850	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1870	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1890	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1910	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1930	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1950	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1970	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	1990	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2010	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2030	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2050	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2070	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2090	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2110	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2130	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2150	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2170	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2190	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2210	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2230	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2250	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2270	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2290	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2310	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2330	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2350	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2370	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2390	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2410	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2430	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2450	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2470	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2490	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2510	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2530	21.16	21.02	21.18	21.09	21.17		
20	OSPK	50	2550	21.16	21.02	21.18	21.09	21.17		

Band 42 Ant4 DS1 4										
freq (MHz)	Module	RF Size	RF Output	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Turn-on (dB)	Turn-off (dB)	Turn-on (dB)	Turn-off (dB)
Channel 1										
Frequency (MHz)				34160	35000	35960				
10	QPRK	40	2	22.05	22.34	22.10				
10	QPRK	40	2	22.05	22.12	22.18			22.7	0
10	QPRK	39	20	22.08	22.14	22.05				
10	QPRK	39	20	22.08	22.14	22.05				
10	QPRK	50	24	22.07	22.12	22.15				
10	QPRK	50	24	22.03	22.18	22.12				
10	QPRK	50	24	22.08	22.18	22.08				
10	16QAM	40	2	22.08	22.17	22.13				
10	16QAM	40	2	22.08	22.14	22.08			22.7	0
10	16QAM	39	20	22.10	22.16	22.07				
10	16QAM	39	20	22.10	22.08	22.07				
10	16QAM	50	24	22.11	22.17	22.08			22.7	0
10	16QAM	50	24	22.11	22.14	22.07				
10	16QAM	190	0	22.04	22.18	22.13				
10	16QAM	190	0	22.04	22.18	22.13				
10	16QAM	46	20	22.09	22.10	22.08			22.7	0
10	16QAM	46	20	22.09	22.11	22.10				
10	16QAM	95	20	22.11	22.17	22.10				
10	16QAM	95	20	22.11	22.16	22.10				
10	16QAM	50	24	22.03	22.08	22.11			22.7	0
10	16QAM	50	24	22.06	22.18	22.14				
10	16QAM	50	24	22.06	22.18	22.14				
10	16QAM	99	20	22.08	22.14	22.08				
10	25QAM	40	2	20.06	20.11	20.14				
10	25QAM	40	2	20.06	20.14	20.15				
10	25QAM	39	20	20.05	20.10	20.15				
10	25QAM	39	20	20.05	20.08	20.08				
10	25QAM	50	24	20.05	20.14	20.12			2	0
10	25QAM	50	24	20.13	20.18	20.06				
Channel 2										
Frequency (MHz)				34475	35300	36265				
10	QPRK	40	2	21.81	21.93	21.88				
10	QPRK	39	20	21.82	21.88	21.88				
10	QPRK	74	214	21.83	21.93	21.91				
10	QPRK	74	214	21.83	21.93	21.91				
10	QPRK	39	20	21.83	21.99	22.01			22.7	0
10	QPRK	39	20	21.86	22.07	22.03				
10	QPRK	50	24	21.85	22.07	22.05				
10	16QAM	40	2	21.85	22.08	22.07				
10	16QAM	39	20	21.86	22.08	22.04				
10	16QAM	74	214	21.86	22.08	22.04				
10	16QAM	39	20	21.86	22.03	22.00				
10	16QAM	50	24	21.88	22.04	22.08				
10	16QAM	50	24	21.87	22.05	22.04				
10	16QAM	75	0	21.91	21.94	22.07				
10	16QAM	75	0	21.91	21.94	22.07				
10	16QAM	39	20	21.90	21.97	22.03				
10	16QAM	74	221	21.91	21.97	22.03				
10	16QAM	74	221	21.91	21.97	22.03				
10	16QAM	39	20	21.92	22.00	22.07			22.7	0
10	16QAM	39	20	21.93	22.03	22.04				
10	16QAM	50	24	21.93	22.04	22.05				
10	16QAM	75	0	21.93	22.04	22.05				
10	25QAM	40	2	19.92	20.05	19.97				
10	25QAM	40	2	19.92	20.03	19.97				
10	25QAM	39	20	19.92	20.05	19.97				
10	25QAM	39	20	19.92	20.08	19.95			2	0
10	25QAM	50	24	19.92	20.08	19.95				
10	25QAM	50	24	19.92	20.06	19.97				
Channel 3										
Frequency (MHz)				34165	35000	35965				
10	QPRK	40	2	21.81	21.93	21.88				
10	QPRK	39	20	21.82	21.88	21.88				
10	QPRK	74	214	21.83	21.93	21.91				
10	QPRK	74	214	21.83	21.93	21.91				
10	QPRK	39	20	21.83	21.99	22.01			22.7	0
10	QPRK	39	20	21.86	22.07	22.03				
10	QPRK	50	24	21.85	22.07	22.05				
10	16QAM	40	2	21.85	22.08	22.07				
10	16QAM	39	20	21.86	22.08	22.04				
10	16QAM	74	214	21.86	22.08	22.04				
10	16QAM	39	20	21.86	22.03	22.00				
10	16QAM	50	24	21.88	22.04	22.08				
10	16QAM	50	24	21.87	22.05	22.04				
10	16QAM	75	0	21.91	21.94	22.07				
10	16QAM	75	0	21.91	21.94	22.07				
10	16QAM	39	20	21.90	21.97	22.03				
10	16QAM	74	221	21.91	21.97	22.03				
10	16QAM	74	221	21.91	21.97	22.03				
10	16QAM	39	20	21.92	22.00	22.07			2	0
10	16QAM	39	20	21.93	22.03	22.04				
10	16QAM	50	24	21.93	22.04	22.05				
10	16QAM	75	0	21.93	22.04	22.05				
10	25QAM	40	2	19.95	20.04	19.96				
10	25QAM	40	2	19.95	20.02	19.96				
10	25QAM	39	20	19.95	20.04	19.99				
10	25QAM	39	20	19.95	20.07	19.96				
10	25QAM	50	24	19.95	20.08	19.96			2	0
10	25QAM	50	24	19.95	20.05	19.96				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				
10	25QAM	12	13	20.03	20.03	20.03				

Band 48 Ant4 DSI 4										
RF (MHz)	Modem	RB Size	RB Offset	Power Low Ch/Freq	Power Low Ch/Freq	Power High Ch/Freq	Power High Ch/Freq	Power High Ch/Freq	Turn-on time (ms)	Spurs (dB)
Channel										
Frequency (MHz)				9688	9690	9691	9692	9693		
0 QPDK	1	0	21.68	21.68	21.68	21.64	21.47		23	0
0 QPDK	1	0	21.68	21.68	21.68	21.64	21.47		23	0
0 QPDK	1	59	21.60	21.58	21.55	21.49			23	0
0 QPDK	1	59	21.60	21.58	21.55	21.49			23	0
0 QPDK	50	24	21.57	21.55	21.54	21.53			23	0
0 QPDK	50	50	21.58	21.64	21.56	21.54			23	0
0 QPDK	50	50	21.58	21.64	21.56	21.54			23	0
0 16QAM	1	0	21.68	21.67	21.63	21.45			23	0
0 16QAM	1	49	21.63	21.58	21.56	21.52			23	0
0 16QAM	50	24	21.57	21.55	21.54	21.53			23	0
0 16QAM	50	50	21.60	21.13	21.08	21.02			23	0
0 16QAM	50	24	21.57	21.15	21.07	21.01			22.5	0
0 16QAM	50	24	21.57	21.15	21.07	21.01			22.5	0
0 16QAM	100	0	21.68	21.04	21.00	21.02			23	0
0 16QAM	100	0	21.68	21.04	21.00	21.02			23	0
0 16QAM	1	49	21.12	21.13	21.00	21.00			22.5	0
0 16QAM	1	59	21.03	21.06	21.00	21.00			23	0
0 16QAM	50	24	21.57	21.06	21.00	21.00			23	0
0 16QAM	50	24	20.10	20.06	20.00	19.93			21.5	0
0 16QAM	50	50	20.06	20.11	20.10	19.93			23	0
0 16QAM	50	50	20.06	20.11	20.10	19.93			23	0
0 256QAM	1	0	18.04	18.06	18.07	17.92			19.5	0
0 256QAM	1	49	18.05	18.04	18.04	17.98			19.5	0
0 256QAM	1	59	18.08	18.10	18.05	17.92			19.5	0
0 256QAM	50	1	18.07	18.10	18.04	17.98			19.5	0
0 256QAM	50	24	18.05	18.07	18.04	17.98			19.5	0
0 256QAM	50	50	18.05	18.12	18.05	17.92			19.5	0
0 256QAM	100	0	18.13	18.12	18.03	18.01			19.5	0
Channel										
Frequency (MHz)				367.5	367.6	367.7	369.5	369.5		
0 QPDK	1	0	21.41	21.41	21.41	21.41			23	0
0 QPDK	1	37	21.33	21.43	21.43	21.43			23	0
0 QPDK	1	74	21.48	21.50	21.42	21.33			23	0
0 QPDK	1	74	21.48	21.50	21.42	21.33			23	0
0 QPDK	30	20	21.53	21.60	21.49	21.43			23	0
0 QPDK	30	59	21.44	21.56	21.48	21.39			23	0
0 16QAM	1	0	21.41	21.47	21.46	21.41			23	0
0 16QAM	1	0	21.41	21.47	21.46	21.41			23	0
0 16QAM	1	37	21.33	21.46	21.47	21.42			23	0
0 16QAM	1	74	21.48	21.54	21.46	21.41			23	0
0 16QAM	30	20	20.94	21.06	20.97	20.90			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			22.5	0
0 16QAM	30	59	21.06	21.07	21.00	20.93			23	0
0 16QAM	30									

Band 4 Ant6 DSI 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.99	25.00	25.03			
20	QPSK	1	49	24.87	25.05	24.94	25.7	0	
20	QPSK	1	96	24.86	25.03	25.01			
20	QPSK	50	0	23.97	24.13	23.98			
20	QPSK	50	24	23.82	24.02	23.95	24.7	1	
20	QPSK	50	50	23.89	24.08	23.96			
20	QPSK	100	0	24.02	24.10	24.04			
20	QPSK	100	0	24.03	24.08	24.08			
20	QPSK	1	49	23.83	24.01	23.85	24.7	1	
20	QPSK	1	99	23.89	24.04	23.95			
20	QPSK	50	0	22.92	23.97	23.93			
20	QPSK	50	24	22.97	23.87	22.87	23.7	2	
20	QPSK	50	50	22.91	23.89	23.90			
20	QPSK	100	0	23.94	23.99	23.97			
20	QPSK	1	0	23.07	23.10	23.09			
20	QPSK	1	49	22.98	23.06	22.91	23.7	2	
20	QPSK	1	99	22.94	23.10	22.93			
20	QPSK	50	0	21.98	22.09	21.98			
20	QPSK	50	24	21.83	22.06	21.99	22.7	3	
20	QPSK	50	50	21.81	22.10	21.84			
20	QPSK	100	0	21.88	22.11	22.01			
20	QPSK	1	0	20.92	21.02	20.93			
20	QPSK	1	49	19.77	20.97	19.95	20.7	5	
20	QPSK	1	99	19.94	20.98	19.97			
20	QPSK	50	0	19.82	20.92	19.82			
20	QPSK	50	24	20.07	20.95	20.07	20.7	5	
20	QPSK	50	50	19.94	20.90	19.94			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.93	25.03	24.92			
15	QPSK	1	8	24.81	25.01	24.84	25.7	0	
15	QPSK	1	74	24.79	24.98	24.90			
15	QPSK	50	0	23.83	24.07	23.93			
15	QPSK	50	24	23.74	23.85	23.84	24.7	1	
15	QPSK	50	50	23.88	23.87	23.87			
15	QPSK	100	0	23.95	24.04	23.95			
15	QPSK	1	0	23.88	24.01	23.89			
15	QPSK	1	37	23.88	23.97	23.88	24.7	1	
15	QPSK	1	74	23.82	23.90	23.82			
15	QPSK	36	0	22.93	23.00	22.89			
15	QPSK	36	20	22.79	22.88	22.79	23.7	2	
15	QPSK	36	50	22.85	22.95	22.88			
15	QPSK	75	0	22.93	23.05	22.98			
15	QPSK	1	0	23.02	23.05	23.09	23.7	2	
15	QPSK	1	37	23.05	23.06	23.05			
15	QPSK	1	74	22.92	23.05	22.95			
15	QPSK	36	0	21.91	21.98	21.94	22.7	3	
15	QPSK	36	20	21.85	21.92	21.89			
15	QPSK	36	50	21.91	22.00	21.99			
15	QPSK	75	0	21.92	22.00	21.99			
15	QPSK	1	0	19.86	19.95	19.86			
15	QPSK	1	37	19.70	19.90	19.84	20.7	5	
15	QPSK	1	74	19.88	19.97	19.92			
15	QPSK	36	0	19.82	19.86	19.86			
15	QPSK	36	20	19.95	19.97	19.93	20.7	5	
15	QPSK	36	50	19.88	19.92	19.87			
15	QPSK	75	0	19.83	19.92	19.91			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.82	24.93	24.86			
10	QPSK	1	25	24.85	25.00	24.90	25.7	0	
10	QPSK	1	49	24.85	25.00	24.99			
10	QPSK	25	0	23.82	24.00	23.92			
10	QPSK	25	12	23.78	23.89	23.82	24.7	1	
10	QPSK	25	25	23.77	23.83	23.83			
10	QPSK	50	0	23.82	24.00	23.95			
10	QPSK	1	0	23.89	24.02	24.03			
10	QPSK	1	25	23.87	23.89	23.87	24.7	1	
10	QPSK	1	49	23.82	23.90	23.82			
10	QPSK	25	12	22.78	22.90	22.94	23.7	2	
10	QPSK	25	25	22.84	22.92	22.94			
10	QPSK	50	0	22.93	23.01	22.98			
10	QPSK	1	0	23.03	23.03	23.01	23.7	2	
10	QPSK	1	49	22.99	23.03	22.93			
10	QPSK	25	0	21.86	22.05	21.92	22.7	3	
10	QPSK	25	12	21.84	22.02	21.94			
10	QPSK	25	25	21.78	21.99	21.84			
10	QPSK	50	0	21.92	21.99	21.97			
10	QPSK	1	0	19.89	19.87	19.85			
10	QPSK	1	25	19.70	19.89	19.86	20.7	5	
10	QPSK	1	49	19.82	19.86	19.84			
10	QPSK	25	0	19.80	19.84	19.85			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.73	24.83	24.76			
5	QPSK	1	12	24.78	24.89	24.83	25.7	0	
5	QPSK	1	24	24.82	24.86	24.83			
5	QPSK	12	0	23.84	24.00	23.84			
5	QPSK	12	7	23.75	23.83	23.87	24.7	1	
5	QPSK	12	13	23.83	23.86	23.84			
5	QPSK	25	0	23.88	24.03	24.02			
5	QPSK	1	0	23.88	24.00	24.05			
5	QPSK	1	12	23.79	23.84	23.82	24.7	1	
5	QPSK	1	24	23.85	23.85	23.85			
5	QPSK	12	0	22.85	23.03	22.85			
5	QPSK	12	7	22.77	22.90	22.95	23.7	2	
5	QPSK	12	13	22.78	22.92	22.91			
5	QPSK	25	0	22.91	23.03	23.02			
5	QPSK	1	0	23.05	23.10	23.02	23.7	2	
5	QPSK	1	12	22.90	23.08	22.95			
5	QPSK	1	24	22.88	23.04	22.83			
5	QPSK	12	0	21.83	21.87	21.84	22.7	3	
5	QPSK	12	7	21.75	21.82	21.81			
5	QPSK	12	13	21.84	22.08	21.82			
5	QPSK	25	0	21.96	21.99	21.98			
5	QPSK	1	0	20.00	20.01	19.94			
5	QPSK	1	12	19.65	19.90	19.91	20.7	5	
5	QPSK	1	24	19.69	20.02	19.94			
5	QPSK	12	0	19.91	19.96	19.99			
5	QPSK	12	7	19.88	19.99	20.01	20.7	5	
5	QPSK	12	13	19.80	19.91	19.95			
5	QPSK	25	0	19.82	20.00	19.94			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.93	24.97	24.92			
3	QPSK	1	8	24.82	24.97	24.84	25.7	0	
3	QPSK	1	14	24.79	24.96	24.99			
3	QPSK	8	0	23.81	24.07	23.95			
3	QPSK	8	4	23.73	23.88	23.88	24.7	1	
3	QPSK	8	7	23.81	23.90	23.94			
3	QPSK	15	0	23.92	24.06	23.97			
3	QPSK	1	0	23.92	24.03	24.04			
3	QPSK	1	8	23.86	23.95	23.82	24.7	1	
3	QPSK	1	14	23.83	23.91	23.82			
3	QPSK	8	0	22.84	23.00	22.89			
3	QPSK	8	4	22.73	22.82	22.90	23.7	2	
3	QPSK	8	7	22.79	22.97	22.96			
3	QPSK	15	0	22.90	23.07	23.02			
3	QPSK	1	0	23.04	23.07	23.02	23.7	2	
3	QPSK	1	8	22.95	22.89	22.84			
3	QPSK	1	14	22.90	23.02	22.83			
3	QPSK	8	0	21.71	21.88	21.89	22.7	3	
3	QPSK	8	7	21.80	21.99	21.90			
3	QPSK	15	0	19.99	19.99	19.99			
3	QPSK	1	8	19.73	19.88	19.85	20.7	5	
3	QPSK	1	14	19.87	20.00	19.87			
3	QPSK	8	0	19.84	19.94	19.99	20.7	5	
3	QPSK	8	4	19.88	19.97	19.91			
3	QPSK	15	0	19.82	19.97	19.83			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.94	24.96	24.93			
1.4	QPSK	1	3	24.74	24.90	24.89	25.7	0	
1.4	QPSK	1	0	24.86	24.96	24.90			
1.4	QPSK	3	0	24.85	24.94	24.89			
1.4	QPSK	3	1	24.82	24.86	24.82			
1.4	QPSK	3	0	24.79	24.85	24.80	24.7	1	
1.4	QPSK	3	6	23.86	23.99	24.02			
1.4	QPSK	1	0	23.92	23.98	24.03			
1.4	QPSK	1	3	23.85	23.97	23.88	24.7	1	
1.4	QPSK	1	6	23.82	23.95	23.85			
1.4	QPSK	3	0	23.74	23.93	23.79			
1.4	QPSK	3	6	22.89	23.08	22.91	23.7	2	
1.4	QPSK	3	9	22.90	23.01	22.99			
1.4	QPSK	6	0	22.84	23.04	22.92	23.7	2	
1.4	QPSK	6	3	22.80	23.03	22.89			
1.4	QPSK	6	6	22.82	23.04	22.89	22.7	3	
1.4	QPSK	9	0	21.90	22.04	21.89			
1.4	QPSK	9	3	21.88	22.03	21.88			
1.4	QPSK	9	6	21.89	22.03	21.88			
1.4	QPSK	3	0	19.89	19.90	19.85			
1.4	QPSK	3	3	19.89	19.90	19.85	20.7	5	
1.4	QPSK	3	6	19.89	19.90	19.85			
1.4	QPSK	3	9	19.89	19.90	19.85			
1.4	QPSK	6	0	19.89	19.90	19.85			
1.4	QPSK	6	3	19.89	19.90	19.85			
1.4	QPSK	6	6	19.89	19.90	19.85			
1.4	QPSK	9	0	19.89	19.90	19.85			
1.4	QPSK	9	3	19.89	19.90	19.85			
1.4	QPSK	9	6	19.89	19.90	19.85	</		

Band 38 Ant6 DSI 4										
RF (MHz)	Mode	RF BW (MHz)	RF Offset	Power Low (dBm)	Power Normal (dBm)	Power High (dBm)	Turn- off (dB)	Turn- on (dB)	MPR (dB)	
Channel										
Frequency (MHz)				37850	38000	38150				
38	QPSK	1	0	24.34	24.44	24.44				
38	QPSK	1	59	24.62	24.44	24.41	24.36		25.5	0
38	QPSK	50	24	23.44	23.40	23.40	23.37			
38	QPSK	50	24	23.60	23.40	23.39	23.39		24.5	1
38	QPSK	100	24	23.44	23.40	23.40	23.37			
38	16QAM	1	0	23.64	23.42	23.42	23.40		24.5	1
38	16QAM	1	49	24.01	23.42	23.42	23.40			
38	16QAM	50	0	22.62	22.40	22.40	22.40			
38	16QAM	50	24	22.62	22.40	22.40	22.37		23.5	1
38	16QAM	50	25	22.65	22.40	22.41	22.31			
38	16QAM	100	0	22.38	22.20	22.20	22.20			
38	16QAM	100	24	22.62	22.40	22.40	22.37		23.5	1
38	64QAM	1	49	22.63	22.41	22.41	22.38			
38	64QAM	1	99	22.67	22.41	22.41	22.44			
38	64QAM	50	0	21.41	21.48	21.48	21.48			
38	64QAM	50	24	21.61	21.48	21.48	21.41		22.5	3
38	64QAM	100	0	21.67	21.47	21.47	21.44			
25	QPSK	1	0	19.39	19.39	19.42	19.45			
25	QPSK	1	49	19.48	19.48	19.48	19.41		20.5	1
25	QPSK	1	99	19.39	19.30	19.32	19.32			
25	QPSK	50	0	19.42	19.39	19.40	19.40			
25	QPSK	50	24	19.42	19.39	19.39	19.36		20.5	1
25	QPSK	50	50	19.68	19.39	19.39	19.37			
25	QPSK	100	0	19.42	19.39	19.40	19.40			
Channel										
Frequency (MHz)				37850	38000	38150				
38	QPSK	1	0	24.34	24.44	24.44	24.44			
38	QPSK	1	37	24.73	24.44	24.44	24.33		25.5	0
38	QPSK	1	74	24.38	24.33	24.33	24.22			
38	QPSK	50	23	23.34	23.34	23.34	23.22			
38	QPSK	50	23	23.50	23.34	23.34	23.22		24.5	1
38	QPSK	38	20	23.34	23.37	23.33	23.33			
38	QPSK	38	20	23.50	23.34	23.34	23.36			
38	QPSK	75	37	24.41	24.33	24.33	24.21			
38	16QAM	1	0	23.39	23.31	23.31	23.33			
38	16QAM	1	37	24.41	24.33	24.33	24.21			
38	16QAM	1	74	24.38	24.33	24.33	24.33			
38	16QAM	38	20	23.37	23.38	23.38	23.26			
38	16QAM	38	20	23.50	23.38	23.38	23.38		23.5	2
38	16QAM	38	20	23.38	23.30	23.30	23.19			
38	16QAM	75	0	22.26	22.40	22.28	22.28			
38	16QAM	75	37	24.41	24.33	24.33	24.21			
38	64QAM	1	37	22.27	22.39	22.34	22.34		23.5	2
38	64QAM	1	74	22.27	22.39	22.39	22.34			
38	64QAM	1	0	21.30	21.41	21.37	21.37			
38	64QAM	38	20	21.63	21.33	21.33			22.5	3
25	QPSK	1	0	19.34	19.34	19.37	19.40			
25	QPSK	1	49	19.43	19.43	19.43	19.36		20.5	1
25	QPSK	1	99	19.34	19.25	19.27	19.28			
25	QPSK	50	0	19.37	19.37	19.37	19.37			
25	QPSK	50	24	19.37	19.34	19.34	19.31		20.5	1
25	QPSK	50	12	19.40	19.36	19.36	19.36			
25	QPSK	50	25	19.43	19.32	19.32	19.29		20.5	1
25	QPSK	100	0	19.37	19.32	19.32	19.32			
25	QPSK	100	24	19.43	19.34	19.34	19.31		20.5	1
Channel										
Frequency (MHz)				37775	38000	38225				
38	QPSK	1	0	23.74	24.00	24.14	24.14			
38	QPSK	1	12	24.30	24.38	24.38	24.29		25.5	0
38	QPSK	1	24	24.36	24.34	24.34	24.27			
38	QPSK	12	0	23.74	24.00	24.14	24.14			
38	QPSK	12	7	23.34	23.31	23.31	23.25		24.5	1
38	QPSK	12	13	23.31	23.33	23.33	23.32			
38	QPSK	26	0	23.32	23.33	23.33	23.35			
38	QPSK	26	0	23.36	23.33	23.33	23.34		24.5	1
38	16QAM	1	24	23.37	23.35	23.35	23.34			
38	16QAM	12	0	22.38	22.37	22.37	22.27			
38	16QAM	12	7	22.38	22.37	22.37	22.27			
38	16QAM	12	13	22.38	22.37	22.37	22.27			
38	16QAM	26	0	22.32	22.27	22.27	22.19			
38	16QAM	26	0	22.36	22.27	22.27	22.19			
38	16QAM	26	0	22.43	22.37	22.37	22.33			
38	16QAM	12	23	22.38	22.28	22.28	22.26		23.5	2
38	16QAM	24	0	22.38	22.28	22.28	22.26			
38	16QAM	12	0	21.25	21.45	21.32	21.32			
38	16QAM	12	7	21.36	21.36	21.33	21.33		22.5	3
38	16QAM	12	13	21.36	21.36	21.36	21.33			
38	64QAM	1	23	21.36	21.36	21.36	21.33			
38	64QAM	26	0	21.43	21.38	21.40	21.40			
38	64QAM	26	0	21.43	21.38	21.40	21.40			
25	QPSK	1	12	19.45	19.32	19.32	19.28		20.5	1
25	QPSK	1	24	19.26	19.21	19.21	19.21			
25	QPSK	12	0	19.33	19.33	19.33	19.33			
25	QPSK	12	7	19.45	19.37	19.48	19.48		20.5	1
25	QPSK	12	13	19.39	19.37	19.30	19.30			

[illegible]

Band 42 Ant6 DSI 4									
RF type	Module	RIS size	RIS offset	Power Low	Power Mid	Power High	Type	Power (dB)	MPF (dB)
Channel									
Frequency (MHz)									
10	GPSP	1	49	23.95	23.93	23.91	23	23.91	0
10	GPSP	1	49	23.93	23.91	23.88	23	23.88	0
10	GPSP	1	49	23.91	23.88	23.86	23	23.86	0
10	GPSP	50	24	22.97	22.99	22.93	24	22.93	1
10	GPSP	50	24	22.93	22.95	22.90	24	22.90	1
10	GPSP	50	24	22.95	22.97	22.92	24	22.92	1
10	GPSP	1	49	22.99	22.97	22.94	24	22.94	1
10	GPSP	1	49	22.97	22.95	22.93	24	22.93	1
10	GPSP	50	0	21.89	21.73	21.60	23	21.60	0
10	GPSP	50	0	21.73	21.60	21.50	23	21.50	0
10	GPSP	50	0	21.60	21.50	21.42	23	21.42	0
10	GPSP	50	0	21.42	21.35	21.25	23	21.25	0
10	GPSP	50	0	21.35	21.25	21.18	23	21.18	0
10	GPSP	1	49	21.58	21.78	21.87	23	21.87	2
10	GPSP	1	49	21.78	21.87	21.93	23	21.93	2
10	GPSP	50	24	20.56	20.63	20.59	22	20.59	3
10	GPSP	50	24	20.63	20.65	20.66	22	20.66	3
10	GPSP	50	24	20.65	20.66	20.67	22	20.67	3
10	GPSP	50	0	18.71	18.87	18.92	20	18.92	0
10	GPSP	1	49	18.87	18.92	18.93	20	18.93	0
10	GPSP	1	49	18.92	18.93	18.94	20	18.94	0
10	GPSP	50	24	16.70	16.87	16.91	18	16.91	5
10	GPSP	50	24	16.87	16.91	16.93	18	16.93	5
10	GPSP	50	24	16.91	16.93	16.94	18	16.94	5
10	GPSP	50	0	15.65	15.76	15.83	16	15.83	0
10	GPSP	50	0	15.76	15.83	15.88	16	15.88	0
10	GPSP	50	0	15.88	15.93	15.97	16	15.97	0
10	GPSP	50	0	15.93	15.97	16.00	16	16.00	0
10	GPSP	50	0	16.00	16.03	16.05	16	16.05	0
10	GPSP	50	0	16.03	16.05	16.06	16	16.06	0
10	GPSP	50	0	16.06	16.07	16.08	16	16.08	0
10	GPSP	50	0	16.07	16.08	16.09	16	16.09	0
10	GPSP	50	0	16.09	16.10	16.11	16	16.11	0
10	GPSP	50	0	16.11	16.12	16.13	16	16.13	0
10	GPSP	50	0	16.12	16.13	16.14	16	16.14	0
10	GPSP	50	0	16.14	16.15	16.16	16	16.16	0
10	GPSP	50	0	16.15	16.16	16.17	16	16.17	0
10	GPSP	50	0	16.17	16.18	16.19	16	16.19	0
10	GPSP	50	0	16.18	16.19	16.20	16	16.20	0
10	GPSP	50	0	16.20	16.21	16.22	16	16.22	0
10	GPSP	50	0	16.21	16.22	16.23	16	16.23	0
10	GPSP	50	0	16.22	16.23	16.24	16	16.24	0
10	GPSP	50	0	16.23	16.24	16.25	16	16.25	0
10	GPSP	50	0	16.24	16.25	16.26	16	16.26	0
10	GPSP	50	0	16.25	16.26	16.27	16	16.27	0
10	GPSP	50	0	16.26	16.27	16.28	16	16.28	0
10	GPSP	50	0	16.27	16.28	16.29	16	16.29	0
10	GPSP	50	0	16.29	16.30	16.31	16	16.31	0
10	GPSP	50	0	16.30	16.31	16.32	16	16.32	0
10	GPSP	50	0	16.31	16.32	16.33	16	16.33	0
10	GPSP	50	0	16.32	16.33	16.34	16	16.34	0
10	GPSP	50	0	16.33	16.34	16.35	16	16.35	0
10	GPSP	50	0	16.34	16.35	16.36	16	16.36	0
10	GPSP	50	0	16.35	16.36	16.37	16	16.37	0
10	GPSP	50	0	16.36	16.37	16.38	16	16.38	0
10	GPSP	50	0	16.37	16.38	16.39	16	16.39	0
10	GPSP	50	0	16.38	16.39	16.40	16	16.40	0
10	GPSP	50	0	16.39	16.40	16.41	16	16.41	0
10	GPSP	50	0	16.40	16.41	16.42	16	16.42	0
10	GPSP	50	0	16.41	16.42	16.43	16	16.43	0
10	GPSP	50	0	16.42	16.43	16.44	16	16.44	0
10	GPSP	50	0	16.43	16.44	16.45	16	16.45	0
10	GPSP	50	0	16.44	16.45	16.46	16	16.46	0
10	GPSP	50	0	16.45	16.46	16.47	16	16.47	0
10	GPSP	50	0	16.46	16.47	16.48	16	16.48	0
10	GPSP	50	0	16.47	16.48	16.49	16	16.49	0
10	GPSP	50	0	16.48	16.49	16.50	16	16.50	0
10	GPSP	50	0	16.49	16.50	16.51	16	16.51	0
10	GPSP	50	0	16.50	16.51	16.52	16	16.52	0
10	GPSP	50	0	16.51	16.52	16.53	16	16.53	0
10	GPSP	50	0	16.52	16.53	16.54	16	16.54	0
10	GPSP	50	0	16.53	16.54	16.55	16	16.55	0
10	GPSP	50	0	16.54	16.55	16.56	16	16.56	0
10	GPSP	50	0	16.55	16.56	16.57	16	16.57	0
10	GPSP	50	0	16.56	16.57	16.58	16	16.58	0
10	GPSP	50	0	16.57	16.58	16.59	16	16.59	0
10	GPSP	50	0	16.58	16.59	16.60	16	16.60	0
10	GPSP	50	0	16.59	16.60	16.61	16	16.61	0
10	GPSP	50	0	16.60	16.61	16.62	16	16.62	0
10	GPSP	50	0	16.61	16.62	16.63	16	16.63	0
10	GPSP	50	0	16.62	16.63	16.64	16	16.64	0
10	GPSP	50	0	16.63	16.64	16.65	16	16.65	0
10	GPSP	50	0	16.64	16.65	16.66	16	16.66	0
10	GPSP	50	0	16.65	16.66	16.67	16	16.67	0
10	GPSP	50	0	16.66	16.67	16.68	16	16.68	0
10	GPSP	50	0	16.67	16.68	16.69	16	16.69	0
10	GPSP	50	0	16.68	16.69	16.70	16	16.70	0
10	GPSP	50	0	16.69	16.70	16.71	16	16.71	0
10	GPSP	50	0	16.70	16.71	16.72	16	16.72	0
10	GPSP	50	0	16.71	16.72	16.73	16	16.73	0
10	GPSP	50	0	16.72	16.73	16.74	16	16.74	0
10	GPSP	50	0	16.73	16.74	16.75	16	16.75	0
10	GPSP	50	0	16.74	16.75	16.76	16	16.76	0
10	GPSP	50	0	16.75	16.76	16.77	16	16.77	0
10	GPSP	50	0	16.76	16.77	16.78	16	16.78	0
10	GPSP	50	0	16.77	16.78	16.79	16	16.79	0
10	GPSP	50	0	16.78	16.79	16.80	16	16.80	0
10	GPSP	50	0	16.79	16.80	16.81	16	16.81	0
10	GPSP	50	0	16.80	16.81	16.82	16	16.82	0
10	GPSP	50	0	16.81	16.82	16.83	16	16.83	0
10	GPSP	50	0	16.82	16.83	16.84	16	16.84	0
10	GPSP	50	0	16.83	16.84	16.85	16	16.85	0
10	GPSP	50	0	16.84	16.85	16.86	16	16.86	0
10	GPSP	50	0	16.85	16.86	16.87	16	16.87	0
10	GPSP	50	0	16.86	16.87	16.88	16	16.88	0
10	GPSP	50	0	16.87	16.88	16.89	16	16.89	0
10	GPSP	50	0	16.88	16.89	16.90	16	16.90	0
10	GPSP	50	0	16.89	16.90	16.91	16	16.91	0
10	GPSP	50	0	16.90	16.91	16.92	16	16.92	0
10	GPSP	50	0	16.91	16.92	16.93	16	16.93	0
10	GPSP	50	0	16.92	16.93	16.94	16	16.94	0
10	GPSP	50	0	16.93	16.94	16.95	16	16.95	0
10	GPSP	50	0	16.94	16.95	16.96	16	16.96	0
10	GPSP	50	0	16.95	16.96	16.97	16	16.97	0
10	GPSP	50	0	16.96	16.97	16.98	16	16.98	0
10	GPSP	50	0	16.97	16.98	16.99	16	16.99	0
10	GPSP	50	0	16.98	16.99	17.00	16	17.00	0
10	GPSP	50	0	16.99	17.00	17.01	16	17.01	0
10	GPSP	50	0	17.00	17.01	17.02	16	17.02	0
10	GPSP	50	0	17.01	17.02	17.03	16	17.03	0
10	GPSP	50	0	17.02	17.03	17.04	16	17.04	0
10	GPSP	50	0	17.03	17.04	17.05	16	17.05	0
10	GPSP	50	0	17.04	17.05	17.06	16	17.06	0
10	GPSP	50	0	17.05	17.06	17.07	16	17.07	0
10	GPSP	50	0	17.06	17.07	17.08	16	17.08	0
10	GPSP	50	0	17.07	17.08	17.09	16	17.09	0
10	GPSP	50	0	17.08	17.09	17.10	16	17.10	0
10	GPSP	50	0	17.09	17.10	17.11	16	17.11	0
10	GPSP	50	0	17.10	17.11	17.12	16	17.12	0
10	GPSP	50	0	17.11	17.12	17.13	16	17.13	0
10	GPSP	50	0	17.12	17.13	17.14	16	17.14	0
10	GPSP	50	0	17.13	17.14	17.15	16	17.15	0
10	GPSP	50	0	17.14	17.15	17.16	16	17.16	0
10	GPSP	50	0	17.15	17.16	17.17	16	17.17	0
10	GPSP	50	0	17.16	17.17	17.18	16	17.18	0
10	GPSP	50	0	17.17	17.18	17.19	16	17.19	0
10	GPSP	50	0	17.18	17.19	17.20	16	17.20	0
10	GPSP	50	0	17.19	17.20	17.21	16	17.21	0
10	GPSP	50	0	17.20	17.21	17.22	16	17.22	0
10	GPSP	50	0	17.21	17.22	17.23	16	17.23	0
10	GPSP	50	0	17.22	17.23	17.24	16	17.24	0
10	GPSP	50	0	17.23	17.24	17.25	16	17.25	0
10	GPSP	50	0	17.24	17.25	17.26	16	17.26	0
10	GPSP	50	0	17.25	17.26	17.27	16	17.27	0
10	GPSP	50	0	17.26	17.27	17.28	16	17.28	0
10	GPSP	50	0	17.27	17.28	17.29	16		

Band 48 Ant6 DSI 4												
RF MHz	Modem	RB Set	RB Offset	Power Low Power	Power Low Power	Power High Power	Power High Power	Time Slot	SPRS (dB)			
Channel				59360	59360	59196	59640					
Frequency (MHz)				59360	59360	59410	59640					
5	QPRK	0	0	21.73	21.82	21.73	21.72			21.5	0	
10	QPRK	4	4	21.72	21.83	21.72	21.73					
20	QPRK	8	8	21.73	21.81	21.73	21.73					
30	QPRK	12	12	20.71	20.84	20.71	20.78					
40	QPRK	16	16	20.71	20.84	20.71	20.78					
5	QPRK	50	50	20.71	20.84	20.71	20.78			22.5	0	
10	QPRK	54	54	20.71	20.84	20.71	20.78					
20	QPRK	58	58	20.71	20.84	20.71	20.78					
30	QPRK	62	62	20.71	20.84	20.71	20.78					
40	QPRK	66	66	20.71	20.84	20.71	20.78					
5	QPRK	100	100	19.72	19.82	19.80	19.80			21.5	0	
10	QPRK	104	104	19.72	19.82	19.80	19.80					
20	QPRK	108	108	19.72	19.82	19.80	19.80					
30	QPRK	112	112	19.72	19.82	19.80	19.80					
40	QPRK	116	116	19.72	19.82	19.80	19.80					
5	QPRK	150	150	18.73	18.87	19.71	19.73			21.5	0	
10	QPRK	154	154	18.73	18.87	19.71	19.73					
20	QPRK	158	158	18.73	18.87	19.71	19.73					
30	QPRK	162	162	18.73	18.87	19.71	19.73					
40	QPRK	166	166	18.73	18.87	19.71	19.73					
5	QPRK	50	50	18.75	18.88	18.64	18.69			20.5	3	
10	QPRK	54	54	18.75	18.88	18.64	18.69					
20	QPRK	58	58	18.75	18.88	18.64	18.69					
30	QPRK	62	62	18.75	18.88	18.64	18.69					
40	QPRK	66	66	18.75	18.88	18.64	18.69					
5	QPRK	100	100	18.82	18.82	18.80	18.77			18.5	5	
10	QPRK	104	104	18.82	18.82	18.80	18.77					
20	QPRK	108	108	18.82	18.82	18.80	18.77					
30	QPRK	112	112	18.82	18.82	18.80	18.77					
40	QPRK	116	116	18.82	18.82	18.80	18.77					
5	QPRK	150	150	16.74	16.82	16.78	16.78			18.5	5	
10	QPRK	154	154	16.74	16.82	16.78	16.78					
20	QPRK	158	158	16.74	16.82	16.78	16.78					
30	QPRK	162	162	16.74	16.82	16.78	16.78					
40	QPRK	166	166	16.74	16.82	16.78	16.78					
5	QPRK	50	50	16.84	16.89	16.69	16.75			18.5	5	
10	QPRK	54	54	16.84	16.89	16.69	16.75					
20	QPRK	58	58	16.84	16.89	16.69	16.75					
30	QPRK	62	62	16.84	16.89	16.69	16.75					
40	QPRK	66	66	16.84	16.89	16.69	16.75					
Channel				59316	59316	59176	59666					
Frequency (MHz)				59316 <th>59316<th>59176<th>59666<th></th><th></th><th colspan="3"></th></th></th></th>	59316 <th>59176<th>59666<th></th><th></th><th colspan="3"></th></th></th>	59176 <th>59666<th></th><th></th><th colspan="3"></th></th>	59666 <th></th> <th></th> <th colspan="3"></th>					
5				21.73	21.82	21.73	21.72			21.5	0	
10	QPRK	4	4	21.72	21.81	21.72	21.73					
20	QPRK	8	8	21.73	21.79	21.73	21.73					
30	QPRK	12	12	20.71	20.84	20.71	20.78					
40	QPRK	16	16	20.71	20.84	20.71	20.78					
5	QPRK	50	50	20.72	20.83	20.72	20.78			22.5	0	
10	QPRK	54	54	20.72	20.83	20.72	20.78					
20	QPRK	58	58	20.72	20.83	20.72	20.78					
30	QPRK	62	62	20.72	20.83	20.72	20.78					
40	QPRK	66	66	20.72	20.83	20.72	20.78					
5	QPRK	100	100	19.73	19.84	19.73	19.78			21.5	0	
10	QPRK	104	104	19.73	19.84	19.73	19.78					
20	QPRK	108	108	19.73	19.84	19.73	19.78					
30	QPRK	112	112	19.73	19.84	19.73	19.78					
40	QPRK	116	116	19.73	19.84	19.73	19.78					
5	QPRK	150	150	18.74	18.78	18.60	18.84			21.5	2	
10	QPRK	154	154	18.74	18.78	18.60	18.84					
20	QPRK	158	158	18.74	18.78	18.60	18.84					
30	QPRK	162	162	18.74	18.78	18.60	18.84					
40	QPRK	166	166	18.74	18.78	18.60	18.84					
5	QPRK	50	50	18.76	18.76	18.58	18.65			20.5	3	
10	QPRK	54	54	18.76	18.76	18.58	18.65					
20	QPRK	58	58	18.76	18.76	18.58	18.65					
30	QPRK	62	62	18.76	18.76	18.58	18.65					
40	QPRK	66	66	18.76	18.76	18.58	18.65					
5	QPRK	100	100	18.78	18.78	18.58	18.64			18.5	5	
10	QPRK	104	104	18.78	18.78	18.58	18.64					
20	QPRK	108	108	18.78	18.78	18.58	18.64					
30	QPRK	112	112	18.78	18.78	18.58	18.64					
40	QPRK	116	116	18.78	18.78	18.58	18.64					
5	QPRK	150	150	16.75	16.75	16.62	16.66			18.5	5	
10	QPRK	154	154	16.75	16.75	16.62	16.66					
20	QPRK	158	158	16.75	16.75	16.62	16.66					
30	QPRK	162	162	16.75	16.75	16.62	16.66					
40	QPRK	166	166	16.75	16.75	16.62	16.66					
5	QPRK	50	50	16.86	16.88	16.60	16.68			18.5	5	
10	QPRK	54	54	16.86	16.88	16.60	16.68					
20	QPRK	58	58	16.86	16.88	16.60	16.68					
30	QPRK	62	62	16.86	16.88	16.60	16.68					
40	QPRK	66	66	16.86	16.88	16.60	16.68					
Channel				59266	59266	59176	59716					
Frequency (MHz)				59266 <th>59266<th>59176<th>59716<th></th><th></th><th colspan="3"></th></th></th></th>	59266 <th>59176<th>59716<th></th><th></th><th colspan="3"></th></th></th>	59176 <th>59716<th></th><th></th><th colspan="3"></th></th>	59716 <th></th> <th></th> <th colspan="3"></th>					
5				21.74	21.82	21.73	21.76			21.5	0	
10	QPRK	4	4	21.82	21.81	21.69	21.61					
20	QPRK	8	8	21.75	21.75	21.69	21.61					
30	QPRK	12	12	20.59	20.84	20.54	20.67					
40	QPRK	16	16	20.67	20.77	20.76	20.68					
5	QPRK	50	50	20.68	20.82	20.74	20.73			22.5	0	
10	QPRK	54	54	20.68	20.82	20.74	20.73					
20	QPRK	58	58	20.68	20.82	20.74	20.73					
30	QPRK	62	62	20.68	20.82	20.74	20.73					
40	QPRK	66	66	20.68	20.82	20.74	20.73					
5	QPRK	100	100	19.82	19.91	19.75	19.77			21.5	0	
10	QPRK	104	104	19.82	19.91	19.75	19.77					
20	QPRK	108	108	19.82	19.91	19.75	19.77					
30	QPRK	112	112	19.82	19.91	19.75	19.77					
40	QPRK	116	116	19.82	19.91	19.75	19.77					
5	QPRK	150	150	18.79	18.83	18.69	18.82			21.5	2	
10	QPRK	154	154	18.79	18.83	18.69	18.82					
20	QPRK	158	158	18.79	18.83	18.69	18.82					
30	QPRK	162	162	18.79	18.83	18.69	18.82					
40	QPRK	166	166	18.79	18.83	18.69	18.82					
5	QPRK	50	50	18.82	18.77	18.61	18.56			20.5	3	
10	QPRK	54	54	18.82	18.77	18.61	18.56					
20	QPRK	58	58	18.82	18.77	18.61	18.56					
30	QPRK	62	62	18.82	18.77	18.61	18.56					
40	QPRK	66	66	18.82	18.77	18.61	18.56					
5	QPRK	100	100	18.84	18.77	18.61	18.54			18.5	5	
10	QPRK	104	104	18.84	18.77	18.61	18.54					
20	QPRK	108	108	18.84	18.77	18.61	18.54					
30	QPRK	112	112	18.84	18.77	18.61	18.54					
40	QPRK	116	116	18.84	18.77	18.61	18.54					
5	QPRK	150	150	16.86	16.86	16.60	16.64			18.5	5	
10	QPRK	154	154	16.86	16.86	16.60	16.64					
20	QPRK	158	158	16.86	16.86	16.60	16.64					
30	QPRK	162	162	16.86	16.86	16.60	16.64					
40	QPRK	166	166	16.86	16.86	16.60	16.64					
5	QPRK	50	50	16.96	16.94	16.60	16.64			18.5	5	
10	QPRK	54	54	16.96	16.94	16.60	16.64					
20	QPRK	58	58	16.96	16.94	16.60	16.64					
30	QPRK	62	62	16.96	16.94	16.60	16.64					
40	QPRK	66	66	16.96	16.94	16.60	16.64					

Band 4 Ant7 DSI 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dB)	Turn-down (dB)	MPE (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.91	19.91	19.91				
20	QPSK	1	8	19.86	19.86	19.86	21.4	0		
20	QPSK	1	16	19.81	19.81	19.81				
20	QPSK	1	24	19.76	19.76	19.76	21.4	0		
20	QPSK	1	32	19.71	19.71	19.71				
20	QPSK	1	40	19.66	19.66	19.66	21.4	0		
20	QPSK	1	48	19.61	19.61	19.61				
20	QPSK	1	56	19.56	19.56	19.56	21.4	0		
20	QPSK	1	64	19.51	19.51	19.51				
20	QPSK	1	72	19.46	19.46	19.46	21.4	0		
20	QPSK	1	80	19.41	19.41	19.41				
20	QPSK	1	88	19.36	19.36	19.36	21.4	0		
20	QPSK	1	96	19.31	19.31	19.31				
20	QPSK	1	104	19.26	19.26	19.26	21.4	0		
20	QPSK	1	112	19.21	19.21	19.21				
20	QPSK	1	120	19.16	19.16	19.16	21.4	0		
20	QPSK	1	128	19.11	19.11	19.11				
20	QPSK	1	136	19.06	19.06	19.06	21.4	0		
20	QPSK	1	144	19.01	19.01	19.01				
20	QPSK	1	152	18.96	18.96	18.96	21.4	0		
20	QPSK	1	160	18.91	18.91	18.91				
20	QPSK	1	168	18.86	18.86	18.86	21.4	0		
20	QPSK	1	176	18.81	18.81	18.81				
20	QPSK	1	184	18.76	18.76	18.76	21.4	0		
20	QPSK	1	192	18.71	18.71	18.71				
20	QPSK	1	200	18.66	18.66	18.66	21.4	0		
20	QPSK	1	208	18.61	18.61	18.61				
20	QPSK	1	216	18.56	18.56	18.56	21.4	0		
20	QPSK	1	224	18.51	18.51	18.51				
20	QPSK	1	232	18.46	18.46	18.46	21.4	0		
20	QPSK	1	240	18.41	18.41	18.41				
20	QPSK	1	248	18.36	18.36	18.36	21.4	0		
20	QPSK	1	256	18.31	18.31	18.31				
20	QPSK	1	264	18.26	18.26	18.26	21.4	0		
20	QPSK	1	272	18.21	18.21	18.21				
20	QPSK	1	280	18.16	18.16	18.16	21.4	0		
20	QPSK	1	288	18.11	18.11	18.11				
20	QPSK	1	296	18.06	18.06	18.06	21.4	0		
20	QPSK	1	304	18.01	18.01	18.01				
20	QPSK	1	312	17.96	17.96	17.96	21.4	0		
20	QPSK	1	320	17.91	17.91	17.91				
20	QPSK	1	328	17.86	17.86	17.86	21.4	0		
20	QPSK	1	336	17.81	17.81	17.81				
20	QPSK	1	344	17.76	17.76	17.76	21.4	0		
20	QPSK	1	352	17.71	17.71	17.71				
20	QPSK	1	360	17.66	17.66	17.66	21.4	0		
20	QPSK	1	368	17.61	17.61	17.61				
20	QPSK	1	376	17.56	17.56	17.56	21.4	0		
20	QPSK	1	384	17.51	17.51	17.51				
20	QPSK	1	392	17.46	17.46	17.46	21.4	0		
20	QPSK	1	400	17.41	17.41	17.41				
20	QPSK	1	408	17.36	17.36	17.36	21.4	0		
20	QPSK	1	416	17.31	17.31	17.31				
20	QPSK	1	424	17.26	17.26	17.26	21.4	0		
20	QPSK	1	432	17.21	17.21	17.21				
20	QPSK	1	440	17.16	17.16	17.16	21.4	0		
20	QPSK	1	448	17.11	17.11	17.11				
20	QPSK	1	456	17.06	17.06	17.06	21.4	0		
20	QPSK	1	464	17.01	17.01	17.01				
20	QPSK	1	472	16.96	16.96	16.96	21.4	0		
20	QPSK	1	480	16.91	16.91	16.91				
20	QPSK	1	488	16.86	16.86	16.86	21.4	0		
20	QPSK	1	496	16.81	16.81	16.81				
20	QPSK	1	504	16.76	16.76	16.76	21.4	0		
20	QPSK	1	512	16.71	16.71	16.71				
20	QPSK	1	520	16.66	16.66	16.66	21.4	0		
20	QPSK	1	528	16.61	16.61	16.61				
20	QPSK	1	536	16.56	16.56	16.56	21.4	0		
20	QPSK	1	544	16.51	16.51	16.51				
20	QPSK	1	552	16.46	16.46	16.46	21.4	0		
20	QPSK	1	560	16.41	16.41	16.41				
20	QPSK	1	568	16.36	16.36	16.36	21.4	0		
20	QPSK	1	576	16.31	16.31	16.31				
20	QPSK	1	584	16.26	16.26	16.26	21.4	0		
20	QPSK	1	592	16.21	16.21	16.21				
20	QPSK	1	600	16.16	16.16	16.16	21.4	0		
20	QPSK	1	608	16.11	16.11	16.11				
20	QPSK	1	616	16.06	16.06	16.06	21.4	0		
20	QPSK	1	624	16.01	16.01	16.01				
20	QPSK	1	632	15.96	15.96	15.96	21.4	0		
20	QPSK	1	640	15.91	15.91	15.91				
20	QPSK	1	648	15.86	15.86	15.86	21.4	0		
20	QPSK	1	656	15.81	15.81	15.81				
20	QPSK	1	664	15.76	15.76	15.76	21.4	0		
20	QPSK	1	672	15.71	15.71	15.71				
20	QPSK	1	680	15.66	15.66	15.66	21.4	0		
20	QPSK	1	688	15.61	15.61	15.61				
20	QPSK	1	696	15.56	15.56	15.56	21.4	0		
20	QPSK	1	704	15.51	15.51	15.51				
20	QPSK	1	712	15.46	15.46	15.46	21.4	0		
20	QPSK	1	720	15.41	15.41	15.41				
20	QPSK	1	728	15.36	15.36	15.36	21.4	0		
20	QPSK	1	736	15.31	15.31	15.31				
20	QPSK	1	744	15.26	15.26	15.26	21.4	0		
20	QPSK	1	752	15.21	15.21	15.21				
20	QPSK	1	760	15.16	15.16	15.16	21.4	0		
20	QPSK	1	768	15.11	15.11	15.11				
20	QPSK	1	776	15.06	15.06	15.06	21.4	0		
20	QPSK	1	784	15.01	15.01	15.01				
20	QPSK	1	792	14.96	14.96	14.96	21.4	0		
20	QPSK	1	800	14.91	14.91	14.91				
20	QPSK	1	808	14.86	14.86	14.86	21.4	0		
20	QPSK	1	816	14.81	14.81	14.81				
20	QPSK	1	824	14.76	14.76	14.76	21.4	0		
20	QPSK	1	832	14.71	14.71	14.71				
20	QPSK	1	840	14.66	14.66	14.66	21.4	0		
20	QPSK	1	848	14.61	14.61	14.61				
20	QPSK	1	856	14.56	14.56	14.56	21.4	0		
20	QPSK	1	864	14.51	14.51	14.51				
20	QPSK	1	872	14.46	14.46	14.46	21.4	0		
20	QPSK	1	880	14.41	14.41	14.41				
20	QPSK	1	888	14.36	14.36	14.36	21.4	0		
20	QPSK	1	896	14.31	14.31	14.31				
20	QPSK	1	904	14.26	14.26	14.26	21.4	0		
20	QPSK	1	912	14.21	14.21	14.21				
20	QPSK	1	920	14.16	14.16	14.16	21.4	0		
20	QPSK	1	928	14.11	14.11	14.11				
20	QPSK	1	936	14.06	14.06	14.06	21.4	0		
20	QPSK	1	944	14.01	14.01	14.01				
20	QPSK	1	952	13.96	13.96	13.96	21.4	0		
20	QPSK	1	960	13.91	13.91	13.91				
20	QPSK	1	968	13.86	13.86	13.86	21.4	0		
20	QPSK	1	976	13.81	13.81	13.81				
20	QPSK	1	984	13.76	13.76	13.76	21.4	0		
20	QPSK	1	992	13.71	13.71	13.71				
20	QPSK	1	1000	13.66	13.66	13.66	21.4	0		
20	QPSK	1	1008	13.61	13.61	13.61				
20	QPSK	1	1016	13.56	13.56	13.56	21.4	0		
20	QPSK	1	1024	13.51	13.51	13.51				
20	QPSK	1	1032	13.46	13.46	13.46	21.4	0		
20	QPSK	1	1040	13.41	13.41	13.41				
20	QPSK	1	1048	13.36	13.36	13.36	21.4	0		
20	QPSK	1	1056	13.31	13.31	13.31				
20	QPSK	1	1064	13.26	13.26	13.26	21.4	0		
20	QPSK	1	1072	13.21	13.21	13.21				
20	QPSK	1	1080	13.16	13.16	13.16	21.4	0		
20	QPSK	1	1088	13.11	13.11	13.11				
20	QPSK	1	1096	13.06	13.06	13.06	21.4	0		
20	QPSK	1	1104	13.01	13.01	13.01				
20	QPSK	1	1112	12.96	12.96	12.96	21.4	0		
20	QPSK	1	1120	12.91	12.91	12.91				
20	QPSK	1	1128	12.86	12.86	12.86	21.4	0		
20	QPSK	1	1136	12.81	12.81	12.81				
20										

Band 38 Ant7 DSI 4										Band 41 Ant7 DSI 4									
RF [MHz]	Modem on	RF Size	RF Offset	Power Low Ch. [Frac]	Power Modd Ch. [Frac]	Power High Ch. [Frac]	Turn-up time [dB]	MPR [dB]		RF [MHz]	Modem on	RF Size	RF Offset	Power Low Ch. [Frac]	Power Modd Ch. [Frac]	Power High Ch. [Frac]	Turn-up time [dB]	MPR [dB]	
Channel										Channel									
Frequency [MHz]										Frequency [MHz]									
20	QPSK	1	0	21.37	21.55	21.41		22.6	0	20	QPSK	1	0	21.17	21.55	21.41	21.28	21.20	
20	QPSK	1	48	21.32	21.52	21.38				20	QPSK	1	48	21.18	21.23	21.38	21.28	21.22	22.6
20	QPSK	1	56	21.32	21.49	21.40				20	QPSK	1	56	21.19	21.21	21.36	21.27	21.22	
20	QPSK	50	0	21.33	21.54	21.42				20	QPSK	50	0	21.18	21.41	21.32	21.34	21.24	
20	QPSK	50	24	21.37	21.50	21.44				20	QPSK	50	24	21.19	21.24	21.44	21.28	21.20	22.6
20	QPSK	50	50	21.33	21.50	21.41				20	QPSK	50	50	21.17	21.23	21.36	21.27	21.21	
20	16QAM	1	0	21.36	21.50	21.44				20	16QAM	1	0	21.20	21.20	21.38	21.27	21.21	
20	16QAM	1	48	21.36	21.50	21.42				20	16QAM	1	48	21.20	21.24	21.38	21.27	21.28	22.6
20	16QAM	1	56	21.33	21.50	21.41				20	16QAM	1	56	21.23	21.23	21.38	21.27	21.24	
20	16QAM	50	0	20.37	20.55	20.45				20	16QAM	50	0	20.70	20.76	20.65	20.73	20.79	
20	16QAM	50	24	20.30	20.48	20.43				20	16QAM	50	24	20.55	20.72	20.68	20.72	20.82	22.6
20	16QAM	50	50	20.28	20.53	20.38				20	16QAM	50	50	20.70	20.70	20.68	20.73	20.68	22.1
20	16QAM	100	0	20.28	20.57	20.43				20	16QAM	100	0	20.75	20.78	20.62	20.70	20.78	
20	16QAM	100	24	20.30	20.47	20.40				20	16QAM	100	24	20.67	20.79	20.68	20.74	20.64	
20	16QAM	100	50	20.34	20.53	20.38				20	16QAM	100	50	20.68	20.76	20.71	20.76	20.71	22.1
20	16QAM	1	0	20.39	20.47	20.49				20	16QAM	1	56	20.62	20.69	20.63	20.62	20.68	
20	16QAM	1	56	20.39	20.47	20.49				20	16QAM	1	56	20.77	20.77	20.69	20.74	20.66	
20	16QAM	50	0	19.34	19.55	19.45				20	16QAM	50	0	19.71	19.77	19.65	19.63	19.75	21.1
20	16QAM	50	24	19.30	19.53	19.45				20	16QAM	50	24	19.70	19.76	19.62	19.67	19.70	21.1
20	16QAM	50	50	19.35	19.54	19.46				20	16QAM	50	50	19.75	19.75	19.63	19.75	19.75	
20	25QAM	1	0	17.40	17.53	17.40				20	25QAM	1	0	17.65	17.75	17.64	17.63	17.67	
20	25QAM	1	48	17.40	17.48	17.44				20	25QAM	1	48	17.65	17.68	17.64	17.65	17.68	18.6
20	25QAM	1	56	17.37	17.48	17.38				20	25QAM	1	56	17.68	17.68	17.57	17.61	17.68	
20	25QAM	50	0	17.27	17.50	17.48				20	25QAM	50	0	17.74	17.71	17.69	17.79	17.78	
20	25QAM	50	24	17.39	17.48	17.39				20	25QAM	50	24	17.73	17.73	17.69	17.78	17.68	18.6
20	25QAM	50	50	17.37	17.54	17.46				20	25QAM	50	50	17.71	17.73	17.67	17.72	17.69	19.1
20	25QAM	100	0	17.39	17.52	17.49				20	25QAM	100	0	17.81	17.69	17.66	17.74	17.73	
Channel										Channel									
Frequency [MHz]										Frequency [MHz]									
15	QPSK	1	0	21.29	21.48	21.34		22.6	0	15	QPSK	1	0	21.08	21.18	21.30	21.15	21.14	
15	QPSK	1	56	21.32	21.45	21.30				15	QPSK	1	56	21.09	21.09	21.33	21.14	21.18	22.6
15	QPSK	74	21	21.21	21.39	21.28				15	QPSK	74	21	21.06	21.12	21.23	21.14	21.15	
15	QPSK	36	0	21.27	21.53	21.34				15	QPSK	36	0	21.10	21.15	21.30	21.22	21.21	
15	QPSK	36	24	21.25	21.45	21.35				15	QPSK	36	24	21.12	21.17	21.31	21.24	21.14	22.6
15	QPSK	36	56	21.25	21.40	21.40				15	QPSK	36	56	21.12	21.17	21.31	21.24	21.11	
15	16QAM	1	0	21.28	21.41	21.41				15	16QAM	1	0	21.18	21.18	21.28	21.23	21.12	
15	16QAM	1	37	21.27	21.45	21.38				15	16QAM	1	37	21.14	21.18	21.28	21.18	21.14	22.6
15	16QAM	1	74	21.33	21.50	21.36				15	16QAM	1	74	21.15	21.18	21.28	21.18	21.14	22.6
15	16QAM	36	0	20.34	20.43	20.43				15	16QAM	36	0	20.57	20.69	20.67	20.60	20.68	
15	16QAM	36	20	20.19	20.44	20.35				15	16QAM	36	20	20.52	20.62	20.60	20.72	20.69	22.1
15	16QAM	36	20	20.18	20.43	20.36				15	16QAM	36	20	20.50	20.62	20.60	20.62	20.62	
15	16QAM	75	0	20.18	20.55	20.35				15	16QAM	75	0	20.71	20.67	20.65	20.64	20.70	
15	16QAM	1	0	20.33	20.36	20.47				15	16QAM	1	0	20.63	20.70	20.62	20.67	20.67	
15	16QAM	1	37	20.34	20.47	20.35				15	16QAM	1	37	20.63	20.63	20.62	20.67	20.68	
15	16QAM	1	74	20.27	20.45	20.40				15	16QAM	1	74	20.21	20.59	20.70	20.76	20.54	
15	16QAM	36	0	19.25	19.48	19.33				15	16QAM	36	0	19.25	19.47	19.30	19.76	19.76	
15	16QAM	36	20	19.22	19.45	19.35				15	16QAM	36	20	19.24	19.45	19.39	19.76	19.76	21.1
15	16QAM	36	20	19.27	19.43	19.35				15	16QAM	36	20	19.26	19.40	19.62	19.84	19.68	
15	16QAM	75	0	19.30	19.47	19.38				15	16QAM	75	0	19.30	19.46	19.38	19.77	19.76	
15	25QAM	1	0	17.31	17.49	17.31				15	25QAM	1	0	17.58	17.68	17.57	17.72	17.59	
15	25QAM	1	37	17.28	17.37	17.34				15	25QAM	1	37	17.55	17.63	17.70	17.73	17.66	19.1
15	25QAM	1	74	17.26	17.43	17.26				15	25QAM	1	74	17.55	17.65	17.73	17.74	17.62	
15	25QAM	36	0	17.25	17.45	17.40				15	25QAM	36	0	17.68	17.58	17.68	17.66	17.68	
15	25QAM	36	20	17.38	17.44	17.38				15	25QAM	36	20	17.62	17.65	17.63	17.71	17.65	
15	25QAM	36	20	17.35	17.50	17.40				15	25QAM	36	20	17.62	17.65	17.63	17.71	17.65	
15	25QAM	75	0	17.35	17.52	17.45				15	25QAM	75	0	17.61	17.65	17.69	17.68	17.63	
Channel										Channel									
Frequency [MHz]										Frequency [MHz]									
10	QPSK	1	0	21.28	21.49	21.32		22.6	0	10	QPSK	1	0	21.08	21.15	21.38	21.15	21.18	
10	QPSK	1	25	21.28	21.48	21.28				10	QPSK	1	25	21.10	21.12	21.28	21.23	21.10	
10	QPSK	1	21	21.22	21.43	21.38				10	QPSK	1	21	21.10	21.12	21.32	21.14	21.18	21.6
10	QPSK	25	0	21.28	21.43	21.41				10	QPSK	25	0	21.05	21.20	21.39	21.23	21.11	
10	QPSK	25	12	21.33	21.38	21.36				10	QPSK	25	12	21.13	21.17	21.33	21.23	21.08	
10	QPSK	25	12	21.33	21.40	21.40				10	QPSK	25	12	21.13	21.16	21.34	21.19	21.10	22.6
10	QPSK	50	0	21.27	21.48	21.35				10	QPSK	50	0	21.07	21.09	21.32	21.18	21.15	
10	16QAM	1	0	21.34	21.41	21.39				10	16QAM	1	0	21.10	21.16	21.38	21.16	21.09	
10	16QAM	1	24	21.34	21.43	21.36				10	16QAM	1	24	21.11	21.16	21.36	21.21	21.11	22.6
10	16QAM	1	48	21.25	21.47	21.37				10	16QAM	1	48	21.06	21.24	21.26	21.25	21.21	21.1
10	16QAM	25	0	20.35	20.43	20.44				10	16QAM	25	0	20.57	20.66	20.75	20.68	20.68	
10	16QAM	25	12	20.22	20.42	20.33				10	16QAM	25	12	20.57	20.73	20.77	20.68	20.70	22.1
10	16QAM	25	25	20.20	20.52	20.37				10	16QAM	25	25	20.50	20.66	20.75	20.67	20.58	
10	16QAM	50	0	20.10	20.54	20.36				10	16QAM	50	0	20.50	20.74	20.74	20.63	20.63	
10	16QAM	1	0	20.25	20.42	20.39				10	16QAM	1	0	20.61	20.73	20.74	20.60	20.52	
10	16QAM	1	25	20.31	20.41	20.38				10	16QAM	1	25	20.61	20.69	20.74	20.64	20.64	22.1
10	16QAM	1	48	20.38	20.45	20.45				10	16QAM	1	48	20.50	20.57	20.61	20.77	20.60	
10	16QAM	25	0	19.25	19.51	19.32				10	16QAM	25	0	19.67	19.70	19.62	19.69	19.63	
10	16QAM	25	12	19.24	19.45	19.36				10	16QAM	25	12	19.67	19.68	19.62	19.70	19.68	21.1
10	16QAM	25	25	19.22	19.35	19.30				10	16QAM	25	25	19.67	19.67	19.78	19.62	19.72	
10	16QAM	50	0	19.35	19.44	19.34				10	16QAM	50	0	19.67	19.68	19.65	19.75	19.71	
1																			

Band 42 Ant10 DSI4									
BW [MHz]	Modulation	RB Bw	RB Offset	Power Level Ch / Freq	Power Margin Ch / Freq	Power High Ch / Freq	Total Sp. loss [dB]	MPE [dB]	
Channel									
Frequency [MHz]									
40	QPSK	1	0	23.52	23.52	23.45		24.7	0
40	QPSK	1	40	23.50	23.52	23.43			
40	QPSK	1	80	23.48	23.50	23.45			
40	QPSK	50	0	22.50	22.50	22.53			
40	QPSK	50	24	22.37	22.51	22.45			
40	QPSK	50	50	22.51	22.50	22.45		23.7	1
40	QPSK	100	0	22.48	22.52	22.54			
40	HQDM	1	0	22.55	22.53	22.52			
40	HQDM	1	40	22.51	22.53	22.45		23.7	1
40	HQDM	1	80	22.45	22.54	22.42			
40	HQDM	50	0	21.50	21.51	21.50			
40	HQDM	50	24	21.41	21.45	21.40		22.7	2
40	HQDM	50	50	21.66	21.53	21.40			
40	HQDM	100	0	21.46	21.52	21.52			
40	HQDM	1	0	21.25	21.48	21.25			
40	HQDM	1	40	21.41	21.55	21.48		22.7	2
40	HQDM	1	80	21.41	21.60	21.35			
40	HQDM	50	0	20.51	20.64	20.55			
40	HQDM	50	24	20.38	20.56	20.40		21.7	3
40	HQDM	50	50	20.40	20.51	20.44			
40	HQDM	100	0	20.50	20.53	20.51			
40	SSQAM	1	0	18.57	18.64	18.50			
40	SSQAM	1	40	18.42	18.48	18.35		19.7	5
40	SSQAM	1	80	18.52	18.55	18.46			
40	SSQAM	50	0	18.45	18.56	18.43			
40	SSQAM	50	24	18.50	18.50	18.54		19.7	5
40	SSQAM	50	50	18.48	18.50	18.43			
40	SSQAM	100	0	18.40	18.57	18.47			
Channel									
Frequency [MHz]									
48	QPSK	1	0	23.41	23.52	23.42			
48	QPSK	1	37	23.20	23.48	23.34		24.7	0
48	QPSK	1	74	23.36	23.45	23.37			
48	QPSK	36	0	22.52	22.52	22.50			
48	QPSK	36	20	22.30	22.44	22.42		23.7	1
48	QPSK	36	36	22.47	22.45	22.31			
48	QPSK	74	0	22.39	22.47	22.47			
48	HQDM	1	0	22.51	22.42	22.46			
48	HQDM	1	37	22.38	22.41	22.41		23.7	1
48	HQDM	1	74	22.52	22.45	22.38			
48	HQDM	36	0	21.43	21.52	21.52			
48	HQDM	36	20	21.30	21.34	21.37		22.7	2
48	HQDM	36	36	21.48	21.45	21.53			
48	HQDM	75	0	21.36	21.42	21.55			
48	HQDM	1	0	21.45	21.40	21.41		23.7	2
48	HQDM	1	37	21.31	21.52	21.41			
48	HQDM	1	74	21.35	21.56	21.35			
48	HQDM	36	0	20.45	20.56	20.47			
48	HQDM	36	20	20.20	20.53	20.35		21.7	3
48	HQDM	36	36	20.42	20.45	20.24			
48	HQDM	75	0	20.45	20.45	20.44			
48	SSQAM	1	0	18.52	18.54	18.46		19.7	5
48	SSQAM	1	37	18.20	18.55	18.27			
48	SSQAM	1	74	18.44	18.51	18.43			
48	SSQAM	36	0	18.37	18.50	18.41			
48	SSQAM	36	20	18.51	18.50	18.48		19.7	5
48	SSQAM	36	36	18.44	18.41	18.35			
48	SSQAM	75	0	18.25	18.43	18.42			
Channel									
Frequency [MHz]									
56	QPSK	1	0	23.50	23.50	23.45			
56	QPSK	1	25	23.27	23.39	23.44		24.7	0
56	QPSK	1	40	23.35	23.38	23.39			
56	QPSK	25	0	22.42	22.53	22.50			
56	QPSK	25	12	22.27	22.40	22.41		23.7	1
56	QPSK	25	25	22.48	22.41	22.33			
56	QPSK	50	0	22.39	22.43	22.46			
56	HQDM	1	0	22.45	22.41	22.35			
56	HQDM	1	25	22.39	22.42	22.43		23.7	1
56	HQDM	1	40	22.34	22.51	22.35			
56	HQDM	25	0	21.37	21.47	21.47			
56	HQDM	25	12	21.32	21.32	21.38		22.7	2
56	HQDM	25	25	21.43	21.51	21.54			
56	HQDM	50	0	21.33	21.46	21.51			
56	HQDM	1	0	21.40	21.40	21.51			
56	HQDM	1	25	21.35	21.45	21.35		22.7	2
56	HQDM	1	40	21.30	21.58	21.34			
56	HQDM	25	0	20.20	20.51	20.47			
56	HQDM	25	12	20.51	20.47	20.34		21.7	3
56	HQDM	25	25	20.41	20.37	20.51			
56	HQDM	50	0	20.43	20.50	20.44			
56	SSQAM	1	0	18.52	18.60	18.38			
56	SSQAM	1	25	18.32	18.47	18.26		19.7	5
56	SSQAM	1	40	18.50	18.42	18.35			
56	SSQAM	25	0	18.37	18.51	18.46			
56	SSQAM	25	12	18.55	18.38	18.51		19.7	5
56	SSQAM	25	25	18.45	18.44	18.30			
56	SSQAM	50	0	18.50	18.45	18.36			
Channel									
Frequency [MHz]									
64	QPSK	1	0	23.50	23.51	23.36			
64	QPSK	1	12	23.20	23.40	23.34		24.7	0
64	QPSK	1	24	23.40	23.38	23.37			
64	QPSK	12	0	22.44	22.45	22.44			
64	QPSK	12	7	22.35	22.45	22.45		23.7	1
64	QPSK	12	13	22.46	22.38	22.52			
64	QPSK	25	0	22.37	22.50	22.48			
64	HQDM	1	0	22.40	22.40	22.45			
64	HQDM	1	12	22.31	22.48	22.40		23.7	1
64	HQDM	1	25	22.40	22.46	22.30			
64	HQDM	12	0	21.45	21.54	21.52			
64	HQDM	12	7	21.37	21.40	21.35		22.7	2
64	HQDM	12	13	21.44	21.46	21.33			
64	HQDM	25	0	21.40	21.48	21.45			
64	HQDM	1	0	21.44	21.41	21.49			
64	HQDM	1	12	21.32	21.51	21.45		22.7	2
64	HQDM	1	24	21.31	21.87	21.25			
64	HQDM	12	0	20.45	20.61	20.48			
64	HQDM	12	7	20.31	20.48	20.36		21.7	3
64	HQDM	12	13	20.34	20.44	20.31			
64	HQDM	25	0	20.38	20.45	20.45			
64	SSQAM	1	0	18.49	18.61	18.48			
64	SSQAM	1	12	18.30	18.41	18.26		19.7	5
64	SSQAM	1	24	18.52	18.53	18.45			
64	SSQAM	12	0	18.39	18.49	18.44			
64	SSQAM	12	7	18.55	18.45	18.47		19.7	5
64	SSQAM	12	13	18.31	18.38	18.35			
64	SSQAM	25	0	18.20	18.53	18.45			

Reduced Power Mode for DSI5_Other PA

Band 4 Ant5 DSI 5										Band 7 Ant5 DSI 5									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-up time (sec)	Tx Power (dB)	MPR (dB)	RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-up time (sec)	Tx Power (dB)	MPR (dB)
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
20	QPSK	1	0	16.73	16.83	16.78				20	QPSK	1	5	14.31	14.45	14.24			
20	QPSK	1	49	16.72	16.78	16.79	17.7	0		20	QPSK	1	49	14.27	14.29	14.29	15.3	0	
20	QPSK	50	0	16.74	16.83	16.76				20	QPSK	1	13	14.30	14.32	14.22			
20	QPSK	50	24	16.76	16.79	16.73				20	QPSK	50	5	14.30	14.30	14.29			
20	QPSK	50	50	16.88	16.82	16.79				20	QPSK	50	24	14.32	14.30	14.24	15.3	0	
20	QPSK	100	0	16.74	16.81	16.71				20	QPSK	50	37	14.37	14.37	14.21			
20	16QAM	1	0	16.69	16.80	16.80				20	QPSK	100	0	14.30	14.34	14.23			
20	16QAM	1	49	16.78	16.72	16.79	17.7	0		20	16QAM	1	0	14.26	14.37	14.29			
20	16QAM	1	99	16.73	16.74	16.74				20	16QAM	1	49	14.27	14.29	14.23	15.3	0	
20	16QAM	50	0	16.72	16.74	16.71				20	16QAM	1	99	14.26	14.27	14.25			
20	16QAM	50	24	16.78	16.77	16.77	17.7	0		20	16QAM	50	50	14.31	14.20	14.20			
20	16QAM	50	50	16.77	16.74	16.74				20	16QAM	50	24	14.30	14.30	14.23	15.3	0	
20	16QAM	100	0	16.71	16.79	16.71				20	16QAM	100	50	14.28	14.31	14.25			
20	16QAM	1	0	16.77	16.81	16.75				20	16QAM	1	49	14.27	14.32	14.31	15.3	0	
20	16QAM	50	24	16.68	16.71	16.75	17.7	0		20	16QAM	50	24	14.30	14.30	14.24			
20	16QAM	100	0	16.78	16.71	16.78				20	16QAM	100	5	14.31	14.28	14.34			
20	256QAM	1	0	16.72	16.77	16.69				20	256QAM	1	5	14.30	14.34	14.30			
20	256QAM	1	49	16.77	16.74	16.69	17.7	0		20	256QAM	1	37	14.31	14.31	14.33	15.3	0	
20	256QAM	1	99	16.78	16.79	16.77				20	256QAM	1	99	14.27	14.30	14.30			
20	256QAM	50	0	16.69	16.76	16.73				20	256QAM	50	5	14.30	14.32	14.23			
20	256QAM	50	24	16.68	16.79	16.78	17.7	0		20	256QAM	50	24	14.32	14.30	14.24	15.3	0	
20	256QAM	50	50	16.74	16.72	16.74				20	256QAM	50	50	14.27	14.34	14.29			
20	256QAM	100	0	16.73	16.81	16.75				20	256QAM	100	5	14.33	14.36	14.29	15.3	0	
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
15	QPSK	1	0	15.17	15.72	15.64				15	QPSK	1	3	14.28	14.28	14.09			
15	QPSK	1	37	15.15	15.66	15.64	17.7	0		15	QPSK	1	49	14.24	14.24	14.09	15.3	0	
15	QPSK	1	74	15.67	15.64	15.69				15	QPSK	1	74	14.13	14.28	14.16			
15	QPSK	36	0	15.60	15.63	15.63				15	QPSK	36	3	14.24	14.14	14.17			
15	QPSK	36	20	15.66	15.67	15.63	17.7	0		15	QPSK	36	20	14.27	14.24	14.23			
15	QPSK	36	36	15.66	15.77	15.59				15	QPSK	36	36	14.31	14.31	14.23			
15	QPSK	75	0	15.65	15.76	15.65				15	QPSK	75	3	14.24	14.24	14.11			
15	16QAM	1	0	15.61	15.73	15.79	17.7	0		15	16QAM	1	37	14.17	14.17	14.22	15.3	0	
15	16QAM	1	37	15.68	15.67	15.73				15	16QAM	1	74	14.19	14.12	14.14			
15	16QAM	1	74	15.60	15.65	15.62				15	16QAM	36	0	14.21	14.22	14.23			
15	16QAM	36	0	15.61	15.64	15.63				15	16QAM	36	20	14.21	14.15	14.22	15.3	0	
15	16QAM	36	20	15.66	15.64	15.63	17.7	0		15	16QAM	36	36	14.25	14.17	14.13			
15	16QAM	75	0	15.56	15.58	15.54				15	16QAM	75	0	14.22	14.22	14.14			
15	16QAM	1	0	15.70	15.68	15.69				15	16QAM	75	0	14.17	14.21	14.21			
15	16QAM	1	37	15.64	15.72	15.71	17.7	0		15	256QAM	1	0	14.23	14.19	14.20			
15	16QAM	1	74	15.66	15.66	15.59				15	256QAM	1	37	14.22	14.24	14.24	15.3	0	
15	16QAM	36	0	15.66	15.69	15.64				15	256QAM	1	74	14.21	14.15	14.25			
15	16QAM	36	20	15.68	15.64	15.65	17.7	0		15	256QAM	36	0	14.23	14.23	14.14			
15	16QAM	36	36	15.60	15.62	15.57				15	256QAM	36	20	14.23	14.29	14.17	15.3	0	
15	16QAM	75	0	15.62	15.65	15.62				15	256QAM	36	36	14.18	14.28	14.23			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
10	QPSK	1	0	16.11	16.73	16.62				10	QPSK	1	3	14.26	14.32	14.09			
10	QPSK	1	26	16.15	16.65	16.66	17.7	0		10	QPSK	1	49	14.18	14.23	14.09	15.3	0	
10	QPSK	1	49	16.13	16.64	16.69				10	QPSK	1	49	14.18	14.23	14.09			
10	QPSK	25	0	16.64	16.69	16.62				10	QPSK	25	0	14.18	14.20	14.17			
10	QPSK	25	12	16.69	16.62	16.59	17.7	0		10	QPSK	25	12	14.18	14.15	14.19			
10	QPSK	25	25	16.64	16.72	16.60				10	QPSK	25	25	14.21	14.28	14.25			
10	QPSK	50	0	16.63	16.78	16.69				10	QPSK	25	25	14.20	14.15	14.19	15.3	0	
10	16QAM	1	0	16.55	16.76	16.76				10	16QAM	1	0	14.12	14.32	14.15			
10	16QAM	1	26	16.70	16.64	16.69	17.7	0		10	16QAM	1	26	14.18	14.18	14.24	15.3	0	
10	16QAM	1	49	16.69	16.61	16.65				10	16QAM	1	49	14.19	14.22	14.28			
10	16QAM	25	0	16.61	16.67	16.57				10	16QAM	25	0	14.26	14.23	14.20			
10	16QAM	25	12	16.66	16.67	16.71	17.7	0		10	16QAM	25	12	14.18	14.21	14.18			
10	16QAM	25	25	16.70	16.60	16.58				10	16QAM	25	25	14.20	14.14	14.13	15.3	0	
10	16QAM	50	0	16.66	16.60	16.59				10	16QAM	50	0	14.18	14.19	14.19			
10	16QAM	1	0	16.68	16.79	16.67	17.7	0		10	16QAM	1	5	14.30	14.17	14.11			
10	16QAM	1	49	16.62	16.65	16.63				10	16QAM	1	26	14.17	14.22	14.28	15.3	0	
10	16QAM	25	0	16.73	16.69	16.65	17.7	0		10	16QAM	1	49	14.12	14.23	14.19			
10	16QAM	25	12	16.62	16.59	16.65				10	16QAM	25	3	14.22	14.19	14.08			
10	16QAM	25	25	16.61	16.69	16.53				10	16QAM	25	12	14.24	14.18	14.18	15.3	0	
10	16QAM	50	0	16.74	16.66	16.74				10	16QAM	50	0	14.17	14.17	14.28			
10	256QAM	1	0	16.55	16.73	16.65				10	256QAM	1	26	14.22	14.22	14.24			
10	256QAM	1	26	16.65	16.61	16.64	17.7	0		10	256QAM	1	26	14.26	14.23	14.17	15.3	0	
10	256QAM	1	49	16.68	16.71	16.73				10	256QAM	1	49	14.16	14.15	14.21			
10	256QAM	25	0	16.59	16.71	16.56				10	256QAM	25	0	14.22	14.17	14.13			
10	256QAM	25	12	16.58	16.63	16.74	17.7	0		10	256QAM	25	12	14.12	14.27	14.19	15.3	0	
10	256QAM	25	25	16.66	16.62	16.68				10	256QAM	25	25	14.23	14.24	14.14			
10	256QAM	50	0	16.59	16.76	16.60				10	256QAM	50	0	14.23	14.23	14.20			
Channel										Channel									
Frequency (MHz)										Frequency (MHz)									
5	QPSK	1	0	16.64	16.75	16.73				5	QPSK	1	0	14.26	14.27	14.09			
5	QPSK	1	12	16.63	16.65	16.64	17.7	0		5	QPSK	1	12	14.26	14.15	14.22	15.3	0	
5	QPSK	1	24	16.65	16.66	16.66				5	QPSK	1	24	14.18	14.26	14.12			
5	QPSK	13	0	16.63	16.71	16.62				5	QPSK	13	0	14.18	14.15	14.19			
5	QPSK	12	7	16.68	16.59	16.65	17.7	0		5	QPSK	12	7	14.16	14.19	14.14			
5	QPSK	12	13	16.63	16.76	16.61				5	QPSK	12	13	14.32	14.27	14.19			
5	QPSK	25	0	16.63	16.69	16.66				5	QPSK	25	0	14.23	14.19	14.11			
5	16QAM	1	0	16.67	16.68	16.71	17.7	0		5	16QAM	1	0	14.22	14.25	14.22			
5	16QAM	1	12	16.74	16.61	16.67				5									

Band 38 Ant5 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Total up [dBm]	MPE [dB]		
Channel										
Frequency (MHz)				37850	38050	38150				
20	QPSK	1	0	15.82	15.98	15.91				
20	QPSK	1	49	15.91	15.93	15.89		17	0	
20	QPSK	1	99	15.92	15.91	15.95				
20	QPSK	50	0	15.94	15.96	15.89				
20	QPSK	50	24	15.96	15.93	15.85		17	0	
20	QPSK	50	49	15.95	15.94	15.93				
20	16QAM	1	0	15.87	15.96	15.94		17	0	
20	16QAM	1	49	15.95	15.94	15.93				
20	16QAM	1	99	15.97	15.93	15.84				
20	16QAM	50	0	15.91	15.93	15.96				
20	16QAM	50	24	15.92	15.92	15.88				
20	16QAM	50	49	15.87	15.94	15.80		17	0	
20	16QAM	100	0	15.91	15.91	15.87				
20	16QAM	1	0	15.87	15.91	15.85				
20	16QAM	1	49	15.94	15.95	15.91		17	0	
20	16QAM	1	99	15.97	15.93	15.83				
20	16QAM	50	0	15.85	15.97	15.90				
20	16QAM	50	24	15.88	15.92	15.85		17	0	
20	16QAM	50	49	15.92	15.94	15.85				
20	16QAM	100	0	15.94	15.99	15.91				
20	256QAM	1	0	15.91	15.92	15.92				
20	256QAM	1	49	15.92	15.91	15.86		17	0	
20	256QAM	1	99	15.97	15.97	15.92				
20	256QAM	50	0	15.98	15.91	15.97				
20	256QAM	50	24	15.97	15.96	15.89		17	0	
20	256QAM	50	49	15.84	15.98	15.82				
20	256QAM	100	0	15.92	15.98	15.89				
Channel										
Frequency (MHz)				25715	25955	26175	up limit [dBm]	MPE [dB]		
15	QPSK	1	0	15.72	15.92	15.73				
15	QPSK	1	37	15.80	15.84	15.73		17	0	
15	QPSK	1	74	15.78	15.86	15.78				
15	QPSK	36	0	15.79	15.80	15.80				
15	QPSK	36	20	15.81	15.88	15.78		17	0	
15	QPSK	36	36	15.82	15.81	15.87				
15	QPSK	75	0	15.87	15.95	15.80				
15	16QAM	1	0	15.76	15.90	15.80				
15	16QAM	1	37	15.82	15.86	15.83		17	0	
15	16QAM	1	74	15.84	15.93	15.77				
15	16QAM	36	0	15.81	15.94	15.85				
15	16QAM	36	20	15.83	15.97	15.87		17	0	
15	16QAM	36	36	15.75	15.84	15.80				
15	16QAM	75	0	15.83	15.87	15.79				
15	16QAM	1	0	15.78	15.90	15.80				
15	16QAM	1	37	15.71	15.87	15.81		17	0	
15	16QAM	1	74	15.89	15.84	15.78				
15	16QAM	36	0	15.78	15.95	15.79		17	0	
15	16QAM	36	20	15.79	15.96	15.78				
15	16QAM	36	36	15.84	15.92	15.81				
15	16QAM	75	0	15.84	15.92	15.81				
15	256QAM	1	0	15.77	15.90	15.88		17	0	
15	256QAM	1	37	15.85	15.88	15.82				
15	256QAM	1	74	15.86	15.99	15.88				
15	256QAM	36	0	15.80	15.91	15.75				
15	256QAM	36	20	15.87	15.90	15.82		17	0	
15	256QAM	36	36	15.85	15.87	15.80				
15	256QAM	75	0	15.76	15.88	15.73				
Channel										
Frequency (MHz)				25715	25955	26175	up limit [dBm]	MPE [dB]		
5	QPSK	1	0	15.77	15.86	15.79				
5	QPSK	1	12	15.84	15.85	15.78		17	0	
5	QPSK	1	24	15.86	15.86	15.79				
5	QPSK	12	0	15.87	15.89	15.73				
5	QPSK	12	7	15.84	15.87	15.77		17	0	
5	QPSK	12	13	15.85	15.83	15.80				
5	QPSK	25	0	15.87	15.84	15.80				
5	16QAM	1	0	15.79	15.83	15.85				
5	16QAM	1	12	15.75	15.96	15.84		17	0	
5	16QAM	1	24	15.87	15.90	15.78				
5	16QAM	12	0	15.84	15.98	15.78				
5	16QAM	12	7	15.79	15.91	15.84		17	0	
5	16QAM	12	13	15.82	15.82	15.87				
5	16QAM	25	0	15.81	15.92	15.79				
5	16QAM	1	0	15.72	15.88	15.83		17	0	
5	16QAM	1	12	15.87	15.89	15.82				
5	16QAM	1	24	15.87	15.93	15.78				
5	16QAM	12	0	15.79	15.85	15.82		17	0	
5	16QAM	12	7	15.74	15.96	15.73				
5	16QAM	12	13	15.77	15.96	15.71				
5	16QAM	25	0	15.87	15.91	15.86				
5	256QAM	1	0	15.82	15.95	15.87				
5	256QAM	1	12	15.80	15.92	15.72		17	0	
5	256QAM	1	24	15.82	15.85	15.85				
5	256QAM	12	0	15.82	15.86	15.76				
5	256QAM	12	7	15.83	15.91	15.80		17	0	
5	256QAM	12	13	15.79	15.87	15.82				
5	256QAM	25	0	15.81	15.88	15.80				

Band 41 Ant5 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Total up [dBm]	MPE [dB]
Channel										
Frequency (MHz)				39750	40185	40620	41058	41496		
20	QPSK	1	0	14.40	14.40	14.51	14.37	14.46		
20	QPSK	1	49	14.38	14.52	14.43	14.38	14.41	15.5	0
20	QPSK	1	99	14.34	14.52	14.44	14.41	14.41		
20	QPSK	50	0	14.44	14.57	14.50	14.40	14.39		
20	QPSK	50	24	14.37	14.37	14.39	14.39	14.39	15.5	0
20	QPSK	50	49	14.37	14.52	14.38	14.35	14.39		
20	QPSK	100	0	14.38	14.37	14.48	14.37	14.38		
20	16QAM	1	0	14.44	14.34	14.44	14.31	14.42	15.5	0
20	16QAM	1	49	14.39	14.39	14.38	14.40	14.41		
20	16QAM	1	99	14.42	14.31	14.38	14.34	14.40		
20	16QAM	50	0	14.36	14.37	14.36	14.35	14.36	15.5	0
20	16QAM	50	24	14.42	14.38	14.44	14.32	14.44		
20	16QAM	50	49	14.44	14.36	14.41	14.32	14.40		
20	16QAM	100	0	14.42	14.37	14.44	14.32	14.41		
20	16QAM	1	0	14.41	14.35	14.36	14.35	14.41	15.5	0
20	16QAM	1	49	14.40	14.42	14.37	14.35	14.40		
20	16QAM	1	99	14.45	14.32	14.45	14.35	14.45		
20	16QAM	50	0	14.42	14.39	14.36	14.41	14.36	15.5	0
20	16QAM	50	24	14.40	14.38	14.47	14.34	14.42		
20	16QAM	50	49	14.39	14.41	14.40	14.36	14.44		
20	256QAM	1	0	14.34	14.40	14.41	14.38	14.35	15.5	0
20	256QAM	1	49	14.45	14.32	14.45	14.35	14.45		
20	256QAM	1	99	14.44	14.35	14.47	14.37	14.36		
20	256QAM	50	0	14.40	14.38	14.42	14.34	14.44	15.5	0
20	256QAM	50	24	14.46	14.32	14.36	14.41	14.37		
20	256QAM	50	49	14.42	14.35	14.39	14.31	14.44	15.5	0
20	256QAM	100	0	14.44	14.38	14.44	14.34	14.44		
Channel										
Frequency (MHz)				39725	40173	40603	41068	41515	up limit [dBm]	MPE [dB]
15	QPSK	1	0	14.24	14.37	14.32	14.30	14.37		
15	QPSK	1	37	14.32	14.21	14.36	14.30	14.25	16	0
15	QPSK	1	74	14.22	14.30	14.30	14.35	14.30		
15	QPSK	36	0	14.37	14.28	14.30	14.25	14.26		
15	QPSK	36	20	14.21	14.24	14.33	14.28	14.29	15.5	0
15	QPSK	36	36	14.28	14.24	14.34	14.27	14.30		
15	QPSK	75	0	14.28	14.33	14.34	14.27	14.25		
15	16QAM	1	0	14.29	14.29	14.35	14.23	14.29	15.5	0
15	16QAM	1	37	14.32	14.28	14.35	14.28	14.31		
15	16QAM	1	74	14.31	14.20	14.22	14.26	14.24		
15	16QAM	36	0	14.24	14.29	14.24	14.28	14.21	15.5	0
15	16QAM	36	20	14.25	14.27	14.35	14.30	14.25		
15	16QAM	36	36	14.28	14.21	14.35	14.28	14.32		
15	16QAM	75	0	14.27	14.25	14.41	14.24	14.30	15.5	0
15	16QAM	1	0	14.31	14.17	14.40	14.25	14.35		
15	16QAM	1	37	14.26	14.20	14.21	14.2	14.23		
15	16QAM	1	74	14.27	14.22	14.22	14.23	14.23	15.5	0
15	16QAM	36	0	14.26	14.24	14.21	14.19	14.28		
15	16QAM	36	20	14.27	14.28	14.33	14.27	14.28	15.5	0
15	16QAM	36	36	14.29	14.25	14.37	14.28	14.25		
15	16QAM	75	0	14.30	14.20	14.43	14.32	14.30		
15	16QAM	1	0	14.24	14.24	14.32	14.27	14.28	15.5	0
15	16QAM	1	37	14.28	14.28	14.30	14.30	14.25		
15	16QAM	1	74	14.26	14.29	14.32	14.30	14.25		
15	16QAM	36	0	14.27	14.27	14.32	14.27	14.27	15.5	0
15	16QAM	36	20	14.26	14.26	14.30	14.24	14.27		
15	16QAM	36	36	14.28	14.26	14.38	14.29	14.27		
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.34	14.26	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28		
15	16QAM	36	0	14.27	14.32	14.30	14.27	14.30	15.5	0
15	16QAM	36	20	14.26	14.29	14.34	14.25	14.30		
15	16QAM	36	36	14.28	14.26	14.38	14.25	14.25	15.5	0
15	16QAM	75	0	14.26	14.26	14.28	14.29	14.27	15.5	0
15	16QAM	1	0	14.33	14.24	14.34	14.25	14.33		
15	16QAM	1	37	14.28	14.28	14.33	14.28	14.28	15.5	0
15	16QAM	1	74	14.28	14.28	14.33	14.28	14.28	</	

Band 4 Ant4 DSI 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power High Ch / Freq.	Power Max Ch / Freq.	Time-interval (sec)	APR (dB)	
Channel									
20065 1732.5 1745									
20	QPSK	1	0	16.92	17.15	16.93			
20	QPSK	1	49	16.92	17.15	16.97	18.0	0	
20	QPSK	1	99	16.94	17.01	16.97			
20	QPSK	50	0	16.99	17.13	16.95			
20	QPSK	50	24	16.98	17.09	16.93	18.0	0	
20	QPSK	50	50	16.96	17.04	16.96			
20	QPSK	100	0	16.99	17.13	17.01			
20	16QAM	1	0	16.98	17.19	17.00			
20	16QAM	1	49	16.96	17.10	16.93	18.0	0	
20	16QAM	1	99	16.90	17.09	16.96			
20	16QAM	50	0	17.00	17.07	16.98			
20	16QAM	50	24	16.98	17.05	17.09	18.0	0	
20	16QAM	50	50	16.97	17.06	17.01			
20	16QAM	100	0	16.94	17.09	16.96			
20	16QAM	1	0	16.98	17.04	17.01			
20	16QAM	1	49	17.01	17.10	16.96	18.0	0	
20	16QAM	1	99	16.96	17.05	16.98			
20	16QAM	50	0	16.93	17.02	16.94			
20	16QAM	50	24	16.94	17.09	16.93	18.0	0	
20	16QAM	50	50	16.99	17.06	16.96			
20	16QAM	100	0	16.99	16.99	17.04			
20	256QAM	1	49	17.00	17.05	16.92	18.0	0	
20	256QAM	1	99	16.99	17.00	16.95			
20	256QAM	50	0	16.98	17.06	16.95			
20	256QAM	50	24	16.90	17.09	17.00	18.0	0	
20	256QAM	50	50	16.99	17.03	16.92			
20	256QAM	100	0	17.00	17.00	16.95			
Channel									
20065 20175 20325									
Frequency (MHz)									
15	QPSK	1	0	17.15	1732.5	1747.5			
15	QPSK	1	37	16.82	16.97	16.86			
15	QPSK	1	74	16.83	16.92	16.87	18.0	0	
15	QPSK	36	0	16.83	16.89	16.86			
15	QPSK	36	24	16.81	16.87	16.89	18.0	0	
15	QPSK	36	39	16.89	16.92	16.83			
15	QPSK	75	0	16.85	16.91	16.86			
15	16QAM	1	0	16.80	17.05	16.83	18.0	0	
15	16QAM	1	37	16.88	17.04	16.86			
15	16QAM	1	74	16.86	16.92	16.84			
15	16QAM	36	0	16.84	16.87	16.90			
15	16QAM	36	20	16.90	16.94	16.96	18.0	0	
15	16QAM	36	39	16.88	16.93	16.85			
15	16QAM	75	0	16.82	16.88	16.96			
15	16QAM	1	0	16.84	16.97	16.90			
15	16QAM	1	37	16.80	17.09	16.82	18.0	0	
15	16QAM	1	74	16.85	16.95	16.93			
15	16QAM	36	0	16.80	16.97	16.90			
15	16QAM	36	20	16.88	16.96	16.97	18.0	0	
15	16QAM	36	39	16.93	16.97	16.90			
15	16QAM	75	0	16.82	16.88	16.96			
15	256QAM	1	37	16.90	16.94	16.79	18.0	0	
15	256QAM	1	74	16.89	16.86	16.85			
15	256QAM	36	0	16.84	16.91	16.84			
15	256QAM	36	20	16.83	16.98	16.85	18.0	0	
15	256QAM	36	39	16.86	16.94	16.80			
15	256QAM	75	0	16.85	16.94	16.92			
Channel									
20065 20175 20325									
Frequency (MHz)									
10	QPSK	1	0	17.15	1732.5	1750			
10	QPSK	1	25	16.75	16.90	16.82	18.0	0	
10	QPSK	1	49	16.85	16.86	16.84			
10	QPSK	25	0	16.82	16.82	16.82			
10	QPSK	25	12	16.92	17.04	16.82	18.0	0	
10	QPSK	25	25	16.90	16.90	16.84			
10	QPSK	25	39	16.88	16.90	16.85			
10	16QAM	1	0	16.80	17.02	16.80			
10	16QAM	1	25	16.89	16.96	16.79	18.0	0	
10	16QAM	1	49	16.77	16.95	16.88			
10	16QAM	25	0	16.94	16.99	16.88			
10	16QAM	25	12	16.82	16.97	16.89	18.0	0	
10	16QAM	25	25	16.85	17.01	16.87			
10	16QAM	50	0	16.79	17.03	16.81			
10	16QAM	1	0	16.92	16.97	16.86			
10	16QAM	1	24	16.96	17.05	16.85	18.0	0	
10	16QAM	1	49	16.83	16.96	16.82			
10	16QAM	25	0	16.84	16.86	16.82			
10	16QAM	25	12	16.93	17.03	16.79	18.0	0	
10	16QAM	25	25	16.87	17.00	16.83			
10	16QAM	50	0	16.87	16.90	16.86			
10	256QAM	1	0	16.92	16.93	16.83			
10	256QAM	1	25	16.94	16.93	16.79	18.0	0	
10	256QAM	1	49	16.85	16.92	16.81			
10	256QAM	1	49	16.85	16.92	16.80			
10	256QAM	25	0	16.89	16.98	16.85			
10	256QAM	25	12	16.86	16.97	16.84	18.0	0	
10	256QAM	25	25	16.94	16.92	16.79			
10	256QAM	50	0	16.92	16.91	16.85			
Channel									
20075 20175 20375									
Frequency (MHz)									
3	QPSK	1	0	16.83	16.83	16.83			
3	QPSK	1	12	16.79	17.01	16.90	18.0	0	
3	QPSK	1	24	16.89	16.94	16.87			
3	QPSK	13	0	16.84	16.82	16.79			
3	QPSK	12	7	16.87	16.98	16.80	18.0	0	
3	QPSK	25	0	16.87	16.91	16.85			
3	16QAM	1	0	16.88	16.97	16.91			
3	16QAM	1	12	16.89	17.07	16.83	18.0	0	
3	16QAM	1	24	16.84	16.94	16.91			
3	16QAM	12	0	16.85	16.92	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.85	16.91	16.88			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	25	0	16.83	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83	16.90	16.82			
3	16QAM	12	7	16.86	16.92	16.87	18.0	0	
3	16QAM	12	13	16.84	16.90	16.84			
3	16QAM	25	0	16.80	16.96	16.81			
3	16QAM	25	0	16.81	16.96	16.81			
3	16QAM	12	0	16.83					

Band 38 Ant4 DSI 5											
RF (MHz)	Mode	PRB Size	RF Offset	Power Low (dBm)	Power Med (dBm)	Power High (dBm)	Time offset	Power (dBm)	Time (dB)	Spurs (dB)	
Channel											
Frequency (MHz)				37860	38000	38180					
15	QPSK	1	0	20.06	20.06	20.12					
15	QPSK	1	49	20.03	20.18	20.12			21.6	0	
15	QPSK	1	99	20.12	20.17	20.10					
15	QPSK	1	149	20.06	20.06	20.07					
15	QPSK	50	24	20.10	20.07	20.05			21.6	0	
15	QPSK	50	50	20.11	20.14	20.01					
15	QPSK	50	75	20.06	20.06	20.07					
15	16QAM	1	0	20.08	20.12	19.99					
15	16QAM	1	49	20.06	20.14	20.06			21.6	0	
15	16QAM	1	99	20.14	20.09	20.06					
15	16QAM	50	0	20.06	20.08	20.06					
15	16QAM	50	24	20.06	20.06	20.05			21.6	0	
15	16QAM	50	50	20.12	20.11	20.01					
15	16QAM	100	0	20.12	20.12	20.05					
15	16QAM	100	24	20.06	20.06	20.05			21.6	0	
15	16QAM	1	49	20.08	20.20	20.05					
15	16QAM	1	99	20.07	20.12	20.11					
15	16QAM	50	24	20.06	20.06	20.05			21.6	0	
15	16QAM	50	50	20.12	20.11	20.01					
15	16QAM	100	0	20.12	20.12	20.05					
25	256QAM	1	0	19.66	19.67	19.68					
25	256QAM	1	49	19.10	19.12	19.05			19.6	2	
25	256QAM	1	99	19.07	19.13	19.03					
25	256QAM	50	0	19.09	19.14	19.08					
25	256QAM	50	24	19.09	19.09	19.09			19.6	2	
25	256QAM	50	50	19.10	19.09	19.09					
25	256QAM	100	0	19.06	19.17	19.03					
25	256QAM	100	24	19.06	19.15	19.05			Interp (dB)	Spurs (dB)	
Frequency (MHz)				3717.6	37300	37375					
15	QPSK	1	0	20.06	20.06	20.12					
15	QPSK	1	37	19.95	20.10	19.99			21.6	0	
15	QPSK	1	74	20.00	20.07	19.96					
15	QPSK	1	111	19.95	20.05	20.04					
15	QPSK	36	20	20.07	19.97	19.94					
15	QPSK	36	56	20.07	19.99	19.97					
15	QPSK	72	0	20.06	20.06	20.07					
15	16QAM	1	0	20.03	19.99	19.91					
15	16QAM	1	37	19.95	20.10	19.99			21.6	0	
15	16QAM	1	74	20.03	19.96	19.93					
15	16QAM	36	0	20.03	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92					
15	16QAM	72	37	19.95	20.10	19.98			21.6	0	
15	16QAM	1	37	20.05	20.04	20.04					
15	16QAM	1	74	19.96	20.07	19.96					
15	16QAM	36	0	20.04	19.99	19.93					
15	16QAM	36	56	20.04	20.06	19.90					
15	16QAM	72	0	20.01	20.05	19.92	</				

Band 41 Ant4 DSI 5												
RF (MHz)	Module	RF Rate	RF Rate	Power Low Mod	Power Low Mod	Power Mod	Power Mod	Power Mod	Power Mod	Time (s)		
Channel				35750	40165	40600	40600	41060	41060			
Frequency (MHz)				25.65	29.65	33.65	33.65	37.65	37.65			
OPR1	1	49	19.16	19.05	19.14	19.05	19.14	19.05	19.12		20.6	
OPR1	1	99	19.10	19.04	19.14	19.03	19.10	19.03	19.10			
OPR1	1	149	19.14	19.08	19.14	19.03	19.14	19.03	19.10			
OPR1	50	34	19.16	19.05	19.16	19.03	19.08	19.03	19.17		20.8	
OPR1	50	39	19.08	19.12	19.16	19.03	19.16	19.03	19.18			
OPR1	50	139	19.14	19.04	19.14	19.03	19.14	19.03	19.15			
IQM1	1	6	19.14	19.13	19.18	19.03	19.09	19.03	19.09		20.6	
IQM1	1	56	19.16	19.12	19.21	19.04	19.16	19.03	19.15			
IQM1	1	106	19.14	19.08	19.11	19.03	19.08	19.03	19.15			
IQM1	50	6	19.12	19.04	19.17	19.03	19.09	19.03	19.12		20.6	
IQM1	50	56	19.16	19.12	19.21	19.04	19.16	19.03	19.17			
IQM1	50	106	19.14	19.08	19.11	19.03	19.08	19.03	19.17			
IQM1	100	6	19.12	19.05	19.14	19.04	19.11	19.03	19.18		20.6	
IQM1	100	56	19.16	19.12	19.21	19.04	19.16	19.03	19.17			
IQM1	100	106	19.14	19.08	19.11	19.03	19.08	19.03	19.18			
IQM1	50	24	19.17	19.14	19.18	19.03	19.12	19.03	19.12		20.6	
IQM1	50	244	19.17	19.14	19.18	19.03	19.12	19.03	19.12			
IQM1	50	249	19.17	19.12	19.21	19.04	19.08	19.03	19.12			
DSM1	1	6	18.02	18.10	18.22	18.09	18.09	18.08		19.6		
DSM1	1	56	18.02	18.06	18.10	18.07	18.15					
DSM1	1	106	18.05	17.98	18.09	18.06	18.06					
DSM1	50	6	18.11	18.14	18.20	18.15	18.14			19.6		
DSM1	50	56	18.12	18.06	18.10	18.07	18.15					
DSM1	50	106	18.07	18.08	18.13	18.09	18.18					
DSM1	100	6	18.03	18.07	18.23	18.09	18.15			19.6		
Channel				36755	40165	40600	40600	41060	41060			
Frequency (MHz)				26.55	29.65	33.65	33.65	37.65	37.65			
OPR1	1	49	19.08	19.05	19.07	19.08	19.03	19.1		21		
OPR1	1	14	19.05	19.03	19.11	19.08	19.03	19.05				
OPR1	1	194	19.05	19.03	19.11	19.08	19.03	19.05				
OPR1	50	34	19.08	19.05	19.11	19.03	19.07		20.6			
OPR1	50	39	19.01	19.04	19.07	19.03	19.08					
OPR1	50	139	19.05	19.08	19.11	19.03	19.09					
OPR1	50	139	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					
OPR1	50	239	19.05	19.08	19.11	19.03	19.09					

Band 42 Ant4 DSI 5										
RF [MHz]	Module ID	RF B3 Size	RF Offset	Power Low [dBm]	Power Meds [dBm]	Power High [dBm]	Transmit (dBm)	Modulation	Modulation	Modulation
Channel										
Frequency [MHz]				42190	42600	42990				
				3400	3600	3800				
10 QPRK	1	0	18.93	19.08	19.18	19.28	19.7			
10 QPRK	1	49	19.04	19.16	19.19	19.28	19.7			
10 QPRK	1	99	19.04	19.16	19.19	19.28	19.7			
10 QPRK	5	0	19.13	19.18	19.19	19.28	19.7			
10 QPRK	5	24	19.13	19.18	19.19	19.28	19.7			
10 HGM1	1	0	19.12	19.17	19.19	19.28	19.7			
10 HGM1	1	49	19.06	19.16	19.19	19.28	19.7			
10 HGM1	1	99	19.06	19.16	19.19	19.28	19.7			
10 HGM1	50	0	19.14	19.15	19.27	19.28	19.7			
10 HGM1	50	24	19.14	19.15	19.27	19.28	19.7			
10 HGM1	50	99	19.08	19.15	19.27	19.28	19.7			
10 HGM1	50	124	19.08	19.15	19.27	19.28	19.7			
10 HGM1	100	0	19.07	19.16	19.19	19.28	19.7			
20 SSG1A	1	0	19.11	19.09	19.19	19.19	19.7			
20 SSG1A	1	99	19.09	19.11	19.19	19.19	19.7			
20 SSG1A	25	0	19.08	19.08	19.19	19.08	19.7			
20 SSG1A	25	99	19.08	19.19	19.19	19.08	19.7			
20 SSG1A	50	0	19.07	19.16	19.19	19.19	19.7			
20 SSG1A	50	99	19.07	19.16	19.19	19.19	19.7			
20 SSG1A	100	0	19.06	19.19	19.19	19.06	19.7			
20 SSG1A	100	99	19.06	19.19	19.19	19.06	19.7			
Frequency [MHz]				42190	42600	42990				
				1424.8	1426.8	1428.8				
10 QPRK	1	0	18.93	19.08	19.18	19.28	19.7			
10 QPRK	1	24	18.93	19.08	19.18	19.28	19.7			
10 QPRK	1	49	19.03	19.02	19.09	19.03	19.7			
10 QPRK	1	74	18.94	19.02	19.09	19.03	19.7			
10 QPRK	1	99	19.03	19.02	19.09	19.03	19.7			
10 QPRK	5	0	19.02	19.09	19.03	19.03	19.7			
10 QPRK	5	24	19.04	18.97	19.03	19.03	19.7			
10 QPRK	5	49	19.04	18.97	19.03	19.03	19.7			
10 QPRK	5	74	19.04	18.97	19.03	19.03	19.7			
10 QPRK	5	99	19.04	18.97	19.03	19.03	19.7			
10 HGM1	1	0	18.94	19.02	19.04	19.04	19.7			
10 HGM1	1	49	19.03	19.08	19.03	19.03	19.7			
10 HGM1	1	74	19.04	19.02	19.03	19.03	19.7			
10 HGM1	1	99	19.03	19.08	19.03	19.03	19.7			
10 HGM1	50	0	19.02	19.02	19.09	19.02	19.7			
10 HGM1	50	24	19.02	19.02	19.09	19.02	19.7			
10 HGM1	50	49	19.02	19.02	19.09	19.02	19.7			
10 HGM1	50	74	19.02	19.02	19.09	19.02	19.7			
10 HGM1	50	99	19.02	19.02	19.09	19.02	19.7			
10 HGM1	50	124	19.02	19.02	19.09	19.02	19.7			
10 HGM1	100	0	19.01	19.09	19.03	19.03	19.7			
10 HGM1	100	99	19.01	19.09	19.03	19.03	19.7			
20 SSG1A	1	0	19.03	19.03	19.14	19.03	19.7			
20 SSG1A	1	25	19.03	19.03	19.14	19.03	19.7			
20 SSG1A	1	49	19.05	19.01	19.07	19.04	19.7			
20 SSG1A	1	74	19.05	19.01	19.07	19.04	19.7			
20 SSG1A	1	99	19.05	19.01	19.07	19.04	19.7			
20 SSG1A	25	0	19.02	19.02	19.07	19.02	19.7			
20 SSG1A	25	25	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	49	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	74	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	99	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	124	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	149	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	174	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	199	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	224	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	249	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	274	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	299	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	324	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	349	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	374	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	399	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	424	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	449	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	474	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	499	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	524	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	549	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	574	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	599	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	624	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	649	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	674	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	699	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	724	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	749	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	774	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	799	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	824	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	849	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	874	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	899	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	924	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	949	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	974	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	999	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1024	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1049	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1074	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1099	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1124	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1149	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1174	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1199	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1224	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1249	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1274	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1299	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1324	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1349	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1374	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1399	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1424	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1449	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1474	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1499	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1524	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1549	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1574	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1599	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1624	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1649	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1674	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1699	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1724	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1749	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1774	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1799	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1824	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1849	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1874	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1899	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1924	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1949	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1974	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	1999	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	2024	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	2049	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	2074	19.02	19.04	19.03	19.02	19.7			
20 SSG1A	25	2099	19.02	19.04</						

Band 48 Ant 1a DSI 5												
BSR MIMO	Modulation	RB Size	RB Offset	Power Low dBm	Power Med Low dBm	Power High Med Low dBm	Power High Med Low dBm	Power High Med Low dBm	Time slot	UE MIMO	UE MIMO	
Channel				55360	56035	56610	56685	56760				
Frequency (MHz)				55360	56035	56610	56685	56760				
20	DPK1K	1	49	20.57	20.57	20.57	20.57	20.57		22	0	
20	DPK1K	1	49	20.58	20.58	20.58	20.58	20.58		22	0	
20	DPK1K	1	49	20.59	20.59	20.59	20.59	20.59		22	0	
20	DPK1K	1	49	20.60	20.60	20.60	20.60	20.60		22	0	
20	DPK1K	50	24	20.56	20.56	20.56	20.56	20.56		22	0	
20	DPK1K	50	24	20.57	20.57	20.57	20.57	20.57		22	0	
20	DPK1K	50	24	20.58	20.58	20.58	20.58	20.58		22	0	
20	DPK1K	50	24	20.59	20.59	20.59	20.59	20.59		22	0	
20	DPK1K	50	24	20.60	20.60	20.60	20.60	20.60		22	0	
20	DPK1K	1	0	20.61	20.61	20.61	20.61	20.61		22	0	
20	DPK1K	1	0	20.62	20.62	20.62	20.62	20.62		22	0	
20	DPK1K	1	0	20.63	20.63	20.63	20.63	20.63		22	0	
20	DPK1K	1	0	20.64	20.64	20.64	20.64	20.64		22	0	
20	DPK1K	50	50	20.57	20.57	20.57	20.57	20.57		22	0	
20	DPK1K	50	50	20.58	20.58	20.58	20.58	20.58		22	0	
20	DPK1K	50	50	20.59	20.59	20.59	20.59	20.59		22	0	
20	DPK1K	50	50	20.60	20.60	20.60	20.60	20.60		22	0	
20	DPK1K	50	50	20.61	20.61	20.61	20.61	20.61		22	0	
20	DPK1K	50	50	20.62	20.62	20.62	20.62	20.62		22	0	
20	DPK1K	50	50	20.63	20.63	20.63	20.63	20.63		22	0	
20	DPK1K	50	50	20.64	20.64	20.64	20.64	20.64		22	0	
20	DPK1K	50	50	20.65	20.65	20.65	20.65	20.65		22	0	
20	DPK1K	50	50	20.66	20.66	20.66	20.66	20.66		22	0	
20	DPK1K	50	50	20.67	20.67	20.67	20.67	20.67		22	0	
20	DPK1K	50	50	20.68	20.68	20.68	20.68	20.68		22	0	
20	DPK1K	50	50	20.69	20.69	20.69	20.69	20.69		22	0	
20	DPK1K	50	50	20.70	20.70	20.70	20.70	20.70		22	0	
20	DPK1K	50	50	20.71	20.71	20.71	20.71	20.71		22	0	
20	DPK1K	50	50	20.72	20.72	20.72	20.72	20.72		22	0	
20	DPK1K	50	50	20.73	20.73	20.73	20.73	20.73		22	0	
20	DPK1K	50	50	20.74	20.74	20.74	20.74	20.74		22	0	
20	DPK1K	50	50	20.75	20.75	20.75	20.75	20.75		22	0	
20	DPK1K	50	50	20.76	20.76	20.76	20.76	20.76		22	0	
20	DPK1K	50	50	20.77	20.77	20.77	20.77	20.77		22	0	
20	DPK1K	50	50	20.78	20.78	20.78	20.78	20.78		22	0	
20	DPK1K	50	50	20.79	20.79	20.79	20.79	20.79		22	0	
20	DPK1K	50	50	20.80	20.80	20.80	20.80	20.80		22	0	
20	DPK1K	50	50	20.81	20.81	20.81	20.81	20.81		22	0	
20	DPK1K	50	50	20.82	20.82	20.82	20.82	20.82		22	0	
20	DPK1K	50	50	20.83	20.83	20.83	20.83	20.83		22	0	
20	DPK1K	50	50	20.84	20.84	20.84	20.84	20.84		22	0	
20	DPK1K	50	50	20.85	20.85	20.85	20.85	20.85		22	0	
20	DPK1K	50	50	20.86	20.86	20.86	20.86	20.86		22	0	
20	DPK1K	50	50	20.87	20.87	20.87	20.87	20.87		22	0	
20	DPK1K	50	50	20.88	20.88	20.88	20.88	20.88		22	0	
20	DPK1K	50	50	20.89	20.89	20.89	20.89	20.89		22	0	
20	DPK1K	50	50	20.90	20.90	20.90	20.90	20.90		22	0	
20	DPK1K	50	50	20.91	20.91	20.91	20.91	20.91		22	0	
20	DPK1K	50	50	20.92	20.92	20.92	20.92	20.92		22	0	
20	DPK1K	50	50	20.93	20.93	20.93	20.93	20.93		22	0	
20	DPK1K	50	50	20.94	20.94	20.94	20.94	20.94		22	0	
20	DPK1K	50	50	20.95	20.95	20.95	20.95	20.95		22	0	
20	DPK1K	50	50	20.96	20.96	20.96	20.96	20.96		22	0	
20	DPK1K	50	50	20.97	20.97	20.97	20.97	20.97		22	0	
20	DPK1K	50	50	20.98	20.98	20.98	20.98	20.98		22	0	
20	DPK1K	50	50	20.99	20.99	20.99	20.99	20.99		22	0	
20	DPK1K	50	50	21.00	21.00	21.00	21.00	21.00		22	0	
20	DPK1K	50	50	21.01	21.01	21.01	21.01	21.01		22	0	
20	DPK1K	50	50	21.02	21.02	21.02	21.02	21.02		22	0	
20	DPK1K	50	50	21.03	21.03	21.03	21.03	21.03		22	0	
20	DPK1K	50	50	21.04	21.04	21.04	21.04	21.04		22	0	
20	DPK1K	50	50	21.05	21.05	21.05	21.05	21.05		22	0	
20	DPK1K	50	50	21.06	21.06	21.06	21.06	21.06		22	0	
20	DPK1K	50	50	21.07	21.07	21.07	21.07	21.07		22	0	
20	DPK1K	50	50	21.08	21.08	21.08	21.08	21.08		22	0	
20	DPK1K	50	50	21.09	21.09	21.09	21.09	21.09		22	0	
20	DPK1K	50	50	21.10	21.10	21.10	21.10	21.10		22	0	
20	DPK1K	50	50	21.11	21.11	21.11	21.11	21.11		22	0	
20	DPK1K	50	50	21.12	21.12	21.12	21.12	21.12		22	0	
20	DPK1K	50	50	21.13	21.13	21.13	21.13	21.13		22	0	
20	DPK1K	50	50	21.14	21.14	21.14	21.14	21.14		22	0	
20	DPK1K	50	50	21.15	21.15	21.15	21.15	21.15		22	0	
20	DPK1K	50	50	21.16	21.16	21.16	21.16	21.16		22	0	
20	DPK1K	50	50	21.17	21.17	21.17	21.17	21.17		22	0	
20	DPK1K	50	50	21.18	21.18	21.18	21.18	21.18		22	0	
20	DPK1K	50	50	21.19	21.19	21.19	21.19	21.19		22	0	
20	DPK1K	50	50	21.20	21.20	21.20	21.20	21.20		22	0	
20	DPK1K	50	50	21.21	21.21	21.21	21.21	21.21		22	0	
20	DPK1K	50	50	21.22	21.22	21.22	21.22	21.22		22	0	
20	DPK1K	50	50	21.23	21.23	21.23	21.23	21.23		22	0	
20	DPK1K	50	50	21.24	21.24	21.24	21.24	21.24		22	0	
20	DPK1K	50	50	21.25	21.25	21.25	21.25	21.25		22	0	
20	DPK1K	50	50	21.26	21.26	21.26	21.26	21.26		22	0	
20	DPK1K	50	50	21.27	21.27	21.27	21.27	21.27		22	0	
20	DPK1K	50	50	21.28	21.28	21.28	21.28	21.28		22	0	
20	DPK1K	50	50	21.29	21.29	21.29	21.29	21.29		22	0	
20	DPK1K	50	50	21.30	21.30	21.30	21.30	21.30		22	0	
20	DPK1K	50	50	21.31	21.31	21.31	21.31	21.31		22	0	
20	DPK1K	50	50	21.32	21.32	21.32	21.32	21.32		22	0	
20	DPK1K	50	50	21.33	21.33	21.33	21.33	21.33		22	0	
20	DPK1K	50	50	21.34	21.34	21.34	21.34	21.34		22	0	
20	DPK1K	50	50	21.35	21.35	21.35	21.35	21.35		22	0	
20	DPK1K	50	50	21.36	21.36	21.36	21.36	21.36		22	0	
20	DPK1K	50	50	21.37	21.37	21.37	21.37	21.37		22	0	
20	DPK1K	50	50	21.38	21.38	21.38	21.38	21.38		22	0	
20	DPK1K	50	50	21.39	21.39	21.39	21.39	21.39		22	0	
20	DPK1K	50	50	21.40	21.40	21.40	21.40	21.40		22	0	
20	DPK1K	50	50	21.41	21.41	21.41	21.41	21.41		22	0	
20	DPK1K	50	50	21.42	21.42	21.42	21.42	21.42		22	0	
20	DPK1K	50	50	21.43	21.43	21.43	21.43	21.43		22	0	
20	DPK1K	50	50	21.44	21.44	21.44	21.44	21.44		22	0	
20	DPK1K	50	50	21.45	21.45	21.45	21.45	21.45		22	0	
20	DPK1K	50	50	21.46	21.46	21.46	21.46	21.46		22	0	
20	DPK1K	50	50	21.47	21.47	21.47	21.47	21.47		22	0	
20	DPK1K	50	50	21.48	21.48	21.48	21.48	21.48		22	0	
20	DPK1K	50	50	21.49	21.49	21.49	21.49	21.49		22	0	
20	DPK1K	50	50	21.50	21.50	21.50	21.50	21.50		22	0	
20	DPK1K	50	50	21.51	21.51	21.51	21.51	21.51		22	0	
20	DPK1K	50	50	21.52	21.52	21.52	21.52	21.52		22	0	
20	DPK1K	50	50	21.53	21.53	21.53	21.53	21.53		22	0	
20	DPK1K	50	50	21.54	21.54	21.54	21.54	21.54		22	0	
20	DPK1K	50	50	21.55	21.55	21.55	21.55	21.55		22	0	
20	DPK1K	50	50	21.56	21.56	21.56	21.56	21.56		22	0	
20	DPK1K	50	50	21.57	21.57	21.57	21.57	21.57		22	0	
20	DPK1K	50	50	21.58	21.58	21.58	21.58	21.58		22	0	
20	DPK1K	50	50	21.59	21.59	21.59	21.59	21.59		22	0	
20	DPK1K	50	50	21.60	21.60	21.60	21.60	21.60		22	0	
20	DPK1K	50	50	21.61	21.61	21.61	21.61	21.61		22	0	
20	DPK1K	50	50	21.62	21.62	21.62	21.62	21.62		22	0	
20	DPK1K	50	50	21.63	21.							

Band 4 Ant6 DSI 5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.17	20.41	20.27			21.2	0		
20	QPSK	1	49	20.15	20.34	20.24						
20	QPSK	1	96	20.16	20.31	20.18			21.2	0		
20	QPSK	50	0	20.19	20.35	20.20						
20	QPSK	50	24	20.25	20.17	20.22			21.2	0		
20	QPSK	50	50	20.20	20.20	20.26						
20	QPSK	100	0	20.20	20.25	20.28			21.2	0		
20	QPSK	100	0	20.18	20.25	20.24						
20	16QAM	1	0	20.20	20.20	20.21			21.2	0		
20	16QAM	1	96	20.20	20.20	20.25						
20	16QAM	50	0	20.24	20.24	20.22			21.2	0		
20	16QAM	50	24	20.13	20.27	20.27						
20	16QAM	50	50	20.23	20.23	20.26			21.2	0		
20	16QAM	100	0	20.25	20.24	20.25						
20	16QAM	1	0	20.15	20.27	20.20			21.2	0		
20	16QAM	1	96	20.21	20.25	20.18						
20	16QAM	1	96	20.24	20.21	20.21			21.2	0		
20	16QAM	50	0	20.16	20.20	20.27						
20	16QAM	50	24	20.24	20.23	20.18			21.2	0		
20	16QAM	50	50	20.20	20.25	20.23						
20	16QAM	100	0	20.13	20.29	20.20			20.7	0.5		
20	256QAM	1	0	19.75	19.79	19.77						
20	256QAM	1	96	19.72	19.75	19.69			20.7	0.5		
20	256QAM	50	0	19.72	19.75	19.69						
20	256QAM	50	24	19.66	19.79	19.73			20.7	0.5		
20	256QAM	50	50	19.73	19.81	19.73						
20	256QAM	100	0	19.64	19.76	19.75			20.7	0.5		
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.08	20.15	20.15					21.2	0
15	QPSK	1	97	20.09	20.02	20.09						
15	QPSK	1	74	20.00	20.23	20.11			21.2	0		
15	QPSK	36	0	20.07	20.23	20.10						
15	QPSK	36	20	20.14	20.17	20.10			21.2	0		
15	QPSK	36	36	20.12	20.22	20.13						
15	QPSK	75	0	20.06	20.16	20.14			21.2	0		
15	QPSK	75	0	20.06	20.17	20.12						
15	16QAM	1	0	20.13	20.22	20.13			21.2	0		
15	16QAM	1	37	20.13	20.14	20.09						
15	16QAM	1	74	20.06	20.22	20.10			21.2	0		
15	16QAM	36	0	20.15	20.25	20.13						
15	16QAM	36	20	20.02	20.12	20.20			21.2	0		
15	16QAM	36	36	20.08	20.22	20.09						
15	16QAM	75	0	20.18	20.30	20.15			21.2	0		
15	16QAM	1	0	19.99	20.18	20.10						
15	16QAM	1	37	19.87	19.73	19.82			21.2	0		
15	16QAM	1	74	20.18	20.25	20.07						
15	16QAM	36	0	20.07	20.23	20.19			21.2	0		
15	16QAM	36	20	20.12	20.20	20.12						
15	16QAM	36	36	20.12	20.25	20.12			21.2	0		
15	16QAM	75	0	20.05	20.22	20.05						
15	256QAM	1	0	19.85	19.75	19.72			20.7	0.5		
15	256QAM	1	74	19.83	19.69	19.54						
15	256QAM	36	0	19.82	19.82	19.84			20.7	0.5		
15	256QAM	36	20	19.51	19.71	19.50						
15	256QAM	36	36	19.82	19.72	19.65			20.7	0.5		
15	256QAM	75	0	19.87	19.75	19.62						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.08	20.15	20.15			21.2	0		
10	QPSK	1	25	20.00	20.30	20.19						
10	QPSK	1	49	20.02	20.23	20.11			21.2	0		
10	QPSK	25	0	20.14	20.20	20.13						
10	QPSK	25	12	20.12	20.27	20.12			21.2	0		
10	QPSK	25	25	20.14	20.22	20.12						
10	16QAM	1	0	20.13	20.22	20.13			21.2	0		
10	16QAM	1	25	20.12	20.18	20.13						
10	16QAM	1	49	20.12	20.22	20.12			21.2	0		
10	16QAM	12	0	20.12	20.22	20.12						
10	16QAM	25	0	20.19	20.19	20.12			21.2	0		
10	16QAM	25	12	20.08	20.18	20.20						
10	16QAM	25	12	20.11	20.22	20.11			21.2	0		
10	16QAM	50	0	20.12	20.24	20.10						
10	16QAM	1	0	20.08	20.22	20.08			21.2	0		
10	16QAM	1	49	20.15	20.23	20.15						
10	16QAM	25	0	20.05	20.24	20.13			21.2	0		
10	16QAM	25	12	20.14	20.22	20.12						
10	16QAM	25	25	20.04	20.28	20.10			21.2	0		
10	16QAM	50	0	19.97	20.20	20.10						
10	256QAM	1	0	19.54	19.71	19.62			20.7	0.5		
10	256QAM	1	25	19.58	19.74	19.62						
10	256QAM	1	49	19.58	19.61	19.54			20.7	0.5		
10	256QAM	25	0	19.60	19.69	19.54						
10	256QAM	25	12	19.51	19.69	19.59			20.7	0.5		
10	256QAM	25	25	19.62	19.65	19.59						
10	256QAM	50	0	19.59	19.61	19.51			20.7	0.5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.07	20.20	20.16			21.2	0		
5	QPSK	1	12	20.05	20.23	20.08						
5	QPSK	1	24	20.09	20.19	20.08			21.2	0		
5	QPSK	12	0	20.09	20.23	20.08						
5	QPSK	12	7	20.18	20.24	20.06			21.2	0		
5	QPSK	12	13	20.10	20.20	20.20						
5	QPSK	25	0	20.08	20.28	20.13			21.2	0		
5	16QAM	1	0	20.10	20.23	20.13						
5	16QAM	1	12	20.05	20.15	20.07			21.2	0		
5	16QAM	1	24	20.11	20.23	20.10						
5	16QAM	12	0	20.15	20.27	20.11			21.2	0		
5	16QAM	12	7	20.08	20.23	20.14						
5	16QAM	12	13	20.18	20.21	20.18			21.2	0		
5	16QAM	25	0	20.16	20.20	20.20						
5	16QAM	1	0	20.10	20.15	20.12			21.2	0		
5	16QAM	1	12	20.08	20.07	20.03						
5	16QAM	1	24	20.11	20.17	20.16			21.2	0		
5	16QAM	12	0	20.12	20.21	20.15						
5	16QAM	12	7	20.12	20.18	20.07			21.2	0		
5	16QAM	12	13	20.08	20.22	20.19						
5	16QAM	25	0	20.05	20.22	20.19			21.2	0		
5	16QAM	25	12	20.05	20.23	20.11						
5	256QAM	1	0	19.58	19.74	19.59			20.7	0.5		
5	256QAM	1	12	19.66	19.67	19.70						
5	256QAM	24	19.68	19.61	19.61				20.7	0.5		
5	256QAM	12	0	19.57	19.77	19.64						
5	256QAM	12	7	19.59	19.74	19.59			20.7	0.5		
5	256QAM	12	13	19.62	19.60	19.59						
5	256QAM	25	0	19.59	19.62	19.70			20.7	0.5		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	20.02	20.13	20.15					21.2	0
1.4	QPSK	1	8	20.01	20.30	20.19						
1.4	QPSK	1	14	20.06	20.19	20.04			21.2	0		
1.4	QPSK	8	0	20.11	20.20							
1.4	QPSK	8	8	20.13	20.18	20.06			21.2	0		
1.4	QPSK	8	16	20.07	20.20	20.07						
1.4	QPSK	16	0	20.11	20.17	20.14			21.2	0		
1.4	QPSK	16	0	20.05	20.28	20.14						
1.4	16QAM	1	0	20.13	20.22	20.13			21.2	0		
1.4	16QAM	1	14	20.13	20.18	20.17						
1.4	16QAM	1	28	20.12	20.27	20.12			21.2	0		
1.4	16QAM	8	0	20.12	20.27	20.12						
1.4	16QAM	8	8	20.10	20.21	20.14			21.2	0		
1.4	16QAM	8	16	20.15	20.23	20.17						
1.4	16QAM	16	0	20.18	20.20	20.14			21.2	0		
1.4	16QAM	16	8	20.19	20.21	20.17						
1.4	16QAM	1	0	19.97	20.19	20.14			21.2	0		
1.4	16QAM	1	14	20.09	20.25	20.10						
1.4	16QAM	1	28	20.08	20.24	20.14			21.2	0		
1.4	16QAM	8	0	20.10	20.22	20.05						
1.4	16QAM	8	8	20.15	20.17	20.16			21.2	0		
1.4	16QAM	8	16	20.16	20.17	20.21						
1.4	16QAM	16	0	20.07	20.23	20.07			21.2	0		
1.4	16QAM	16	8	20.05	20.20	20.07						
1.4	16QAM	1	0	20.05	20.17	20.09			21.2	0		
1.4	16QAM	1	14	20.07	20.23	20.07						
1.4	256QAM	1	0	19.59	19.66	19.64			20.7	0.5		
1.4	256QAM	1	8	19.63	19.70	19.54						
1.4	256QAM	1	14	19.70	19.73	19.68			20.7	0.5		
1.4	256QAM	1	16	19.62	19.71	19.67						
1.4	256QAM	3	0	19.63	19.65	19.62			20.7	0.5		
1.4	256QAM	3	8	19.63	19.65	19.62						

Band 38 Ant6 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Frs	Power Mid Ch / Frs	Power High Ch / Frs	Total Power [dBm]	MFR (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	22.41	22.46	22.42	22.43	23.5	0	
20	QPSK	1	49	22.52	22.52	22.42	22.42	23.5	0	
20	QPSK	1	98	22.49	22.49	22.49	22.49	23.5	0	
20	QPSK	50	0	22.43	22.53	22.48	22.48	23.5	0	
20	QPSK	50	24	22.48	22.48	22.42	22.42	23.5	0	
20	QPSK	50	49	22.50	22.50	22.42	22.42	23.5	0	
20	16QAM	1	0	22.44	22.43	22.44	22.44	23.5	0	
20	16QAM	1	49	22.43	22.43	22.38	22.38	23.5	0	
20	16QAM	1	99	22.49	22.49	22.46	22.46	23.5	0	
20	16QAM	50	24	22.45	22.42	22.45	22.45	23.5	0	
20	16QAM	50	49	22.45	22.47	22.45	22.45	23.5	0	
20	16QAM	100	0	22.43	22.51	22.42	22.42	23.5	0	
20	16QAM	1	0	22.43	22.52	22.38	22.38	23.5	0	
20	16QAM	1	49	22.44	22.51	22.49	22.49	23.5	0	
20	16QAM	1	99	22.43	22.43	22.47	22.47	23.5	0	
20	16QAM	50	24	21.51	21.57	21.57	21.57	22.5	1	
20	16QAM	50	49	21.53	21.43	21.43	21.43	22.5	1	
20	16QAM	100	0	21.42	21.55	21.51	21.51	22.5	1	
20	256QAM	1	0	19.44	19.50	19.45	19.45	20.5	3	
20	256QAM	1	49	19.50	19.48	19.41	19.41	20.5	3	
20	256QAM	1	99	19.51	19.50	19.47	19.47	20.5	3	
20	256QAM	50	24	19.42	19.38	19.42	19.42	20.5	3	
20	256QAM	50	49	19.47	19.38	19.34	19.34	20.5	3	
20	256QAM	100	0	19.44	19.45	19.44	19.44	20.5	3	
Channel										
Frequency [MHz]										
15	QPSK	1	0	22.41	22.44	22.38	22.38	23.5	0	
15	QPSK	1	37	22.46	22.45	22.38	22.38	23.5	0	
15	QPSK	1	74	22.42	22.46	22.42	22.42	23.5	0	
15	QPSK	36	0	22.41	22.51	22.37	22.37	23.5	0	
15	QPSK	36	20	22.39	22.38	22.38	22.38	23.5	0	
15	QPSK	72	0	22.31	22.43	22.41	22.41	23.5	0	
15	QPSK	72	0	22.34	22.48	22.33	22.33	23.5	0	
15	16QAM	1	0	22.38	22.33	22.42	22.42	23.5	0	
15	16QAM	1	37	22.41	22.36	22.37	22.37	23.5	0	
15	16QAM	1	74	22.32	22.45	22.41	22.41	23.5	0	
15	16QAM	36	0	22.47	22.37	22.38	22.38	23.5	0	
15	16QAM	36	20	22.37	22.40	22.42	22.42	23.5	0	
15	16QAM	36	39	22.49	22.48	22.34	22.34	23.5	0	
15	16QAM	72	0	22.36	22.38	22.37	22.37	23.5	0	
15	16QAM	72	0	22.31	22.43	22.25	22.25	23.5	0	
15	16QAM	1	37	22.40	22.41	22.37	22.37	23.5	0	
15	16QAM	36	0	21.46	21.44	21.40	21.40	22.5	1	
15	16QAM	36	20	21.46	21.43	21.38	21.38	22.5	1	
15	16QAM	36	39	21.37	21.46	21.47	21.47	22.5	1	
15	16QAM	72	0	21.51	21.48	21.47	21.47	22.5	1	
15	256QAM	1	0	19.39	19.37	19.34	19.34	20.5	3	
15	256QAM	1	37	19.40	19.40	19.33	19.33	20.5	3	
15	256QAM	1	74	19.48	19.45	19.44	19.44	20.5	3	
15	256QAM	36	0	19.32	19.34	19.48	19.48	20.5	3	
15	256QAM	36	20	19.32	19.38	19.38	19.38	20.5	3	
15	256QAM	36	39	19.44	19.45	19.35	19.35	20.5	3	
15	256QAM	72	0	19.41	19.33	19.34	19.34	20.5	3	
Channel										
Frequency [MHz]										
10	QPSK	1	0	22.41	22.44	22.38	22.38	23.5	0	
10	QPSK	1	25	22.41	22.48	22.32	22.32	23.5	0	
10	QPSK	1	49	22.43	22.49	22.39	22.39	23.5	0	
10	QPSK	25	0	22.41	22.47	22.32	22.32	23.5	0	
10	QPSK	25	12	22.38	22.21	22.44	22.44	23.5	0	
10	QPSK	25	25	22.44	22.41	22.30	22.30	23.5	0	
10	QPSK	25	49	22.31	22.40	22.39	22.39	23.5	0	
10	16QAM	1	0	22.38	22.32	22.40	22.40	23.5	0	
10	16QAM	1	25	22.40	22.31	22.31	22.31	23.5	0	
10	16QAM	1	49	22.31	22.37	22.37	22.37	23.5	0	
10	16QAM	25	0	22.33	22.21	22.43	22.43	23.5	0	
10	16QAM	25	12	22.41	22.30	22.40	22.40	23.5	0	
10	16QAM	25	25	22.38	22.28	22.38	22.38	23.5	0	
10	16QAM	25	49	22.37	22.33	22.30	22.30	23.5	0	
10	16QAM	50	0	22.38	22.35	22.40	22.35	23.5	0	
10	16QAM	50	25	22.32	22.30	22.38	22.38	23.5	0	
10	16QAM	1	25	22.33	22.39	22.37	22.37	23.5	0	
10	16QAM	1	49	22.31	22.31	22.33	22.33	23.5	0	
10	16QAM	25	0	21.22	21.31	21.33	21.33	22.5	1	
10	16QAM	25	12	21.28	21.30	21.33	21.40	21.25	22.5	1
10	16QAM	25	25	21.27	21.30	21.40	21.38	21.32	22.5	1
10	16QAM	50	0	21.20	21.38	21.45	21.43	21.25	22.5	1
10	256QAM	1	0	19.37	19.31	19.32	19.38	19.32	20.5	3
10	256QAM	1	25	19.33	19.24	19.43	19.38	19.35	20.5	3
10	256QAM	1	49	19.30	19.29	19.31	19.43	19.30	20.5	3
10	256QAM	25	0	19.19	19.30	19.44	19.43	19.32	20.5	3
10	256QAM	25	12	19.24	19.24	19.42	19.38	19.30	20.5	3
10	256QAM	25	25	19.41	19.24	19.43	19.35	19.35	20.5	3
10	256QAM	50	0	19.26	19.30	19.34	19.48	19.32	20.5	3
Channel										
Frequency [MHz]										
5	QPSK	1	0	22.28	22.21	22.20	22.27	22.40	24	0
5	QPSK	1	24	22.34	22.20	22.40	22.35	22.24	24	0
5	QPSK	1	24	22.33	22.29	22.30	22.40	22.38	24	0
5	QPSK	12	0	22.33	22.21	22.28	22.39	22.35	24	0
5	QPSK	12	6	22.36	22.31	22.36	22.36	22.29	24	0
5	QPSK	12	13	22.32	22.32	22.40	22.38	22.37	24	0
5	QPSK	25	0	22.36	22.30	22.33	22.38	22.31	24	0
5	16QAM	1	0	22.32	22.33	22.41	22.25	22.40	24	0
5	16QAM	1	12	22.27	22.19	22.44	22.35	22.35	24	0
5	16QAM	1	24	22.32	22.30	22.36	22.38	22.44	24	0
5	16QAM	12	0	22.32	22.39	22.43	22.42	22.36	24	0
5	16QAM	12	7	22.35	22.34	22.38	22.41	22.36	24	0
5	16QAM	12	13	22.37	22.36	22.32	22.38	22.36	24	0
5	16QAM	25	0	22.38	22.38	22.39	22.33	22.33	24	0
5	16QAM	1	0	22.39	22.26	22.38	22.33	22.37	24	0
5	16QAM	1	12	22.37	22.36	22.32	22.38	22.36	24	0
5	16QAM	1	24	22.32	22.29	22.40	22.33	22.33	24	0
5	16QAM	12	0	21.22	21.40	21.36	21.30	21.41	22.5	1
5	16QAM	12	7	21.37	21.38	21.40	21.34	21.23	22.5	1
5	16QAM	12	13	21.28	21.30	21.38	21.38	21.40	22.5	1
5	16QAM	25	0	21.28	21.38	21.40	21.40	21.27	22.5	1
5	16QAM	25	12	19.35	19.30	19.34	19.47	19.29	20.5	3
5	16QAM	25	24	19.35	19.30	19.34	19.47	19.29	20.5	3
5	256QAM	1	0	19.32	19.25	19.41	19.44	19.29	20.5	3
5	256QAM	1	12	19.44	19.29	19.37	19.39	19.33	20.5	3
5	256QAM	1	24	19.31	19.31	19.32	19.39	19.30	20.5	3

Band 41 Ant6 DSI 5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Frs	Power Mid Ch / Frs	Power High Ch / Frs	Power High Ch / Frs	Power High Ch / Frs	Time slot (ms)	Modulation
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.35	22.42	22.55	22.41	22.46	23.5	0
20	QPSK	1	49	22.37	22.34	22.40	22.49	22.38	23.5	0
20	QPSK	1	98	22.30	22.39	22.41	22.49	22.44	23.5	0
20	QPSK	50	0	22.38	22.42	22.51	22.50	22.43	23.5	0
20	QPSK	50	24	22.35	22.34	22.48	22.41	22.42	23.5	0
20	QPSK	50	49	22.35	22.35	22.43	22.43	23.5	0	
20	16QAM	100	0	22.38	22.38	22.43	22.40	22.40	23.5	0
20	16QAM	1		22.39	22.41	22.51	22.50	22.46	23.5	0
20	16QAM	50	0	22.38	22.40	22.50	22.48	22.47	23.5	0
20	16QAM	50	24	22.34	22.43	22.48	22.49	22.39	23.5	0
20	16QAM	50	49	22.37	22.33	22.40	22.49	22.38	23.5	0
20	16QAM	100	0	22.43	22.43	22.50	22.41	22.38	23.5	0
20	16QAM	1		22.40	22.44	22.50	22.48	22.46	23.5	0
20	16QAM	50	24	22.45	22.44	22.44	22.49	22.42	23.5	0
20	16QAM	50	49	22.40	22.40	22.50	22.48	22.46	23.5	0
20	16QAM	100	0	21.41	21.39	21.40	21.44	21.37	23.5	0
20	16QAM	1		21.39	21.44	21.40	21.44	21.40	23.5	0
20	16QAM	50	24	21.31	21.40	21.53	21.58	21.58	23.5	0
20	16QAM	50	49	21.40	21.35	21.47	21.49	21.48	23.5	0
20	16QAM	100	0	19.35	19.30	19.42	19.48	19.48	23.5	0
20	16QAM	1		19.38	19.38	19.41	19.50	19.40	23.5	0
20	16QAM	50	24	19.32	19.44	19.56	19.48	19.44	23.5	0
20	16QAM	50	49	19.38	19.37	19.43	19.49	19.45	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	24	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	50	49	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	100	0	19.35	19.35	19.47	19.49	19.47	23.5	0
20	16QAM	1		19.35	19.35	19.47	19.49	19.47	23.	

Band 4 Ant7 DSI 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Main Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.41	19.55	19.32	20.0	0		
20	QPSK	1	48	19.47	19.53	19.40				
20	QPSK	1	96	19.38	19.53	19.34	20.0	0		
20	QPSK	50	0	19.44	19.55	19.37				
20	QPSK	50	24	19.45	19.55	19.33	20.0	0		
20	QPSK	50	50	19.47	19.53	19.32				
20	QPSK	100	0	19.50	19.54	19.33	20.0	0		
20	QPSK	100	0	19.40	19.53	19.41				
20	16QAM	1	48	19.40	19.50	19.33	20.0	0		
20	16QAM	50	0	19.39	19.53	19.35				
20	16QAM	1	96	19.43	19.45	19.41	20.0	0		
20	16QAM	50	0	19.39	19.53	19.35				
20	16QAM	50	24	19.46	19.49	19.38	20.0	0		
20	16QAM	50	50	19.48	19.52	19.41				
20	16QAM	100	0	19.47	19.49	19.33	20.0	0		
20	16QAM	1	0	19.46	19.55	19.35				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45	19.50	19.33				
20	16QAM	50	24	19.41	19.54	19.31	20.0	0		
20	16QAM	50	50	19.46	19.53	19.38				
20	16QAM	100	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	0	19.45	19.55	19.31				
20	16QAM	1	48	19.42	19.46	19.36	20.0	0		
20	16QAM	1	96	19.41	19.46	19.39				
20	16QAM	50	0	19.45	19.50	19.33	20.0	0		
20	16QAM	50	24	19.41	19.54	19.31				
20	16QAM	50	50	19.46	19.53	19.38	20.0	0		
20	16QAM	100	0	19.45	19.55	19.31				
20	16QAM	1	0	19.45	19.55	19.31	20.0	0		
20	16QAM	1	48	19.42	19.46	19.36				
20	16QAM	1	96	19.41	19.46	19.39	20.0	0		
20	16QAM	50	0	19.45						

Band 38 Ant7 DSI 5										
RF [MHz]	Modem on	RF Size	RF Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Turn-on time (dBm)	MPR (dB)		
Channel										
Frequency [MHz]										
20	QPSK	1	0	20.83	21.01	20.92	22.1	0		
20	QPSK	1	48	20.87	20.84	20.95				
20	QPSK	1	59	20.85	20.90	20.85				
20	QPSK	50	0	20.84	20.90	20.88	22.1	0		
20	QPSK	50	24	20.85	20.88	20.87				
20	QPSK	50	50	20.83	20.90	20.89				
20	QPSK	100	0	20.86	20.89	20.84	22.1	0		
20	16QAM	1	0	20.84	20.95	20.83				
20	16QAM	1	48	20.93	20.89	20.82				
20	16QAM	1	59	20.90	20.96	20.89	21.6	0.5		
20	16QAM	50	0	20.94	20.92	20.42				
20	16QAM	50	24	20.95	20.90	20.46				
20	16QAM	100	0	20.98	20.92	20.36	21.6	0.5		
20	64QAM	1	0	20.94	20.40	20.36				
20	64QAM	1	48	20.92	20.35	20.30				
20	64QAM	1	59	20.92	20.36	20.36	20.6	1.5		
20	64QAM	50	0	19.29	19.53	19.40				
20	64QAM	50	24	19.41	19.46	19.41				
20	64QAM	50	50	19.37	19.46	19.37	18.6	3.5		
20	64QAM	100	0	19.35	19.45	19.36				
20	256QAM	1	0	17.34	17.82	17.43				
20	256QAM	1	48	17.39	17.46	17.46	18.6	3.5		
20	256QAM	1	59	17.36	17.46	17.36				
20	256QAM	50	0	17.35	17.41	17.34				
20	256QAM	50	24	17.38	17.46	17.37	18.6	3.5		
20	256QAM	50	50	17.36	17.40	17.36				
20	256QAM	100	0	17.30	17.34	17.30				
Channel										
Frequency [MHz]										
15	QPSK	1	0	20.77	20.95	20.75.5	22.1	0		
15	QPSK	1	59	20.74	20.80	20.86				
15	QPSK	1	74	20.82	20.82	20.78				
15	QPSK	36	0	20.72	20.89	20.76	22.1	0		
15	QPSK	36	20	20.76	20.83	20.75				
15	QPSK	36	59	20.71	20.90	20.82				
15	QPSK	75	0	20.76	20.85	20.76	21.6	0.5		
15	16QAM	1	0	20.77	20.88	20.71				
15	16QAM	1	37	20.60	20.86	20.71				
15	16QAM	1	74	20.66	20.85	20.74	21.6	0.5		
15	16QAM	36	0	20.77	20.41	20.30				
15	16QAM	36	20	20.29	20.40	20.32				
15	16QAM	36	59	20.29	20.41	20.34	21.6	0.5		
15	16QAM	75	0	20.24	20.30	20.30				
15	64QAM	1	0	20.31	20.33	20.25				
15	64QAM	1	74	20.24	20.27	20.32	21.6	0.5		
15	64QAM	36	0	19.19	19.47	19.36				
15	64QAM	36	20	19.32	19.32	19.32				
15	64QAM	36	59	19.26	19.41	19.25	20.6	1.5		
15	64QAM	75	0	19.29	19.42	19.24				
15	256QAM	1	0	17.28	17.43	17.36				
15	256QAM	1	37	17.25	17.38	17.38	18.6	3.5		
15	256QAM	1	74	17.25	17.26	17.26				
15	256QAM	36	0	17.32	17.34	17.27				
15	256QAM	36	20	17.33	17.46	17.30	18.6	3.5		
15	256QAM	36	59	17.26	17.37	17.26				
15	256QAM	75	0	17.27	17.20	17.25				
Channel										
Frequency [MHz]										
10	QPSK	1	0	20.76	20.91	20.86	22.1	0		
10	QPSK	1	25	20.80	20.85	20.93				
10	QPSK	1	24	20.80	20.80	20.81				
10	QPSK	25	0	20.77	20.86	20.82	22.1	0		
10	QPSK	25	12	20.79	20.89	20.79				
10	QPSK	25	24	20.72	20.80	20.75				
10	QPSK	50	0	20.76	20.80	20.79	22.1	0		
10	16QAM	1	0	20.75	20.81	20.71				
10	16QAM	1	24	20.80	20.78	20.81				
10	16QAM	1	48	20.78	20.83	20.75	21.6	0.5		
10	16QAM	25	0	20.81	20.79	20.84				
10	16QAM	25	12	20.29	20.47	20.28				
10	16QAM	25	25	20.33	20.34	20.38	21.6	0.5		
10	64QAM	1	0	20.27	20.29	20.26				
10	64QAM	1	25	20.25	20.37	20.32				
10	64QAM	1	48	20.18	20.29	20.36	21.6	0.5		
10	64QAM	25	0	19.25	19.30	19.27				
10	64QAM	25	12	19.36	19.36	19.29				
10	64QAM	25	25	19.23	19.42	19.32	20.6	1.5		
10	64QAM	50	0	19.32	19.42	19.34				
10	64QAM	50	12	19.21	19.47	19.32				
10	256QAM	1	0	17.21	17.47	17.32	18.6	3.5		
10	256QAM	1	25	17.28	17.44	17.33				
10	256QAM	1	48	17.33	17.37	17.23				
10	256QAM	25	0	17.32	17.30	17.31	18.6	3.5		
10	256QAM	25	12	17.27	17.43	17.29				
10	256QAM	25	25	17.36	17.27	17.35				
10	256QAM	50	0	17.21	17.20	17.21	18.6	3.5		
10	256QAM	50	12	17.22	17.34	17.30				
10	256QAM	50	25	17.30	17.21	17.31				
Channel										
Frequency [MHz]										
5	QPSK	1	0	20.76	20.96	20.80	22.1	0		
5	QPSK	1	12	20.80	20.90	20.91				
5	QPSK	1	24	20.76	20.86	20.77				
5	QPSK	12	0	20.77	20.93	20.83	22.1	0		
5	QPSK	12	7	20.73	20.87	20.82				
5	QPSK	12	13	20.84	20.86	20.75				
5	QPSK	25	0	20.84	20.79	20.75	21.6	0.5		
5	16QAM	1	0	20.73	20.91	20.78				
5	16QAM	1	12	20.81	20.78	20.81				
5	16QAM	1	24	20.87	20.94	20.82	21.6	0.5		
5	16QAM	12	0	20.22	20.46	20.30				
5	16QAM	12	7	20.22	20.45	20.38				
5	16QAM	12	13	20.31	20.41	20.25	21.6	0.5		
5	16QAM	25	0	20.34	20.39	20.28				
5	64QAM	1	0	20.28	20.27	20.24				
5	64QAM	1	12	20.21	20.46	20.29	21.6	0.5		
5	64QAM	1	24	20.25	20.40	20.26				
5	64QAM	12	0	19.24	19.50	19.31				
5	64QAM	12	7	19.35	19.40	19.31	20.6	1.5		
5	64QAM	12	13	19.26	19.43	19.31				
5	64QAM	25	0	19.32	19.36	19.31				
5	256QAM	1	0	17.23	17.36	17.33	18.6	3.5		
5	256QAM	1	12	17.26	17.34	17.37				
5	256QAM	1	24	17.30	17.30	17.17				
5	256QAM	12	0	17.22	17.35	17.29	18.6	3.5		
5	256QAM	12	7	17.34	17.35	17.29				
5	256QAM	12	13	17.28	17.34	17.38				
5	256QAM	25	0	17.22	17.20	17.20	18.6	3.5		

Band 41 Ant7 DSI 5										
RF [MHz]	Modem on	RF Size	RF Offset	Power Low Ch. Freq	Power Mode Ch. Freq	Power High Ch. Freq	Power High Mid Ch. Freq	Power High Max Ch. Freq	Turn-on time (dBm)	MPR (dB)
Channel										
Frequency [MHz]										
20	QPSK	1	0	20.81	20.79	20.91	20.78	20.75	22.1	0
20	QPSK	1	48	20.72	20.73	20.82	20.71	20.73		
20	QPSK	1	59	20.72	20.83	20.78	20.72	20.77	22.1	0
20	QPSK	1	64	20.72	20.73	20.77	20.78	20.73		
20	QPSK	1	84	20.72	20.73	20.77	20.78	20.73	22.1	0
20	QPSK	1	89	20.72	20.73	20.77	20.78	20.73		
20	QPSK	1	99	20.73	20.82	20.80	20.78	20.78	22.1	0
20	QPSK	1	55	20.80	20.73	20.78	20.80	20.82		
20	QPSK	1	65	20.79	20.73	20.78	20.79	20.78	22.1	0
20	QPSK	1	66	20.79	20.73	20.82	20.82	20.80		
20	QPSK	1	56	20.75	20.73	20.82	20.82	20.80	22.1	0
20	QPSK	1	50	20.21	20.38	20.27	20.24	20.30		
20	QPSK	1	50	20.21	20.30	20.44	20.25	20.28	22.1	0
20	QPSK	1	50	20.21	20.23	20.39	20.25	20.28		
20	QPSK	1	50	20.21	20.23	20.39	20.25	20.28	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25	22.1	0
20	QPSK	1	50	20.21	20.36	20.40	20.33	20.25		
20										

Band 42 Ant10 DSI 5									
RF [MHz]	Modulation	RB Bw	RB Offset	Power Level Ch / Freq	Power Margin Ch / Freq	Power High Ch / Freq	Total sp. loss (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
42190	3458	3600	3648						
20	QPSK	1	0	22.51	22.50	22.54			
20	QPSK	1	40	22.49	22.50	22.51	23.7	0	
20	QPSK	1	80	22.50	22.51	22.52			
20	QPSK	50	0	22.52	22.58	22.46			
20	QPSK	50	24	22.56	22.54	22.54			
20	QPSK	50	50	22.51	22.48	22.46	23.7	0	
20	QPSK	100	0	22.54	22.57	22.46			
20	HQDM	1	0	22.57	22.56	22.46			
20	HQDM	1	40	22.49	22.54	22.52	23.7	0	
20	HQDM	1	80	22.49	22.55	22.49			
20	HQDM	50	0	21.45	21.53	21.51			
20	HQDM	50	24	21.53	21.53	21.51			
20	HQDM	50	50	21.62	21.57	21.56	22.7	1	
20	HQDM	100	0	21.47	21.42	21.42			
20	HQDM	1	0	21.45	21.58	21.52			
20	HQDM	1	40	21.52	21.57	21.57	22.7	1	
20	HQDM	1	80	21.48	21.55	21.58			
20	HQDM	50	0	20.54	20.57	20.58			
20	HQDM	50	24	20.50	20.51	20.54			
20	HQDM	50	50	20.57	20.50	20.56	21.7	2	
20	HQDM	100	0	20.50	20.54	20.57			
20	SSQAM	1	0	18.47	18.54	18.59			
20	SSQAM	1	40	18.51	18.52	18.57	19.7	4	
20	SSQAM	1	80	18.49	18.55	18.49			
20	SSQAM	50	0	18.47	18.58	18.49			
20	SSQAM	50	24	18.47	18.51	18.57			
20	SSQAM	50	50	18.51	18.56	18.56	19.7	4	
20	SSQAM	100	0	18.51	18.53	18.53			
Channel									
Frequency (MHz)									
42195	3458	3600	3648						
15	QPSK	1	0	22.52	22.48	22.51			
15	QPSK	1	37	22.41	22.40	22.44	23.7	0	
15	QPSK	1	74	22.51	22.44	22.45			
15	QPSK	36	0	22.46	22.42	22.45			
15	QPSK	36	20	22.41	22.43	22.47	23.7	0	
15	QPSK	36	59	22.40	22.38	22.36			
15	QPSK	74	0	22.42	22.43	22.37			
15	HQDM	1	0	22.51	22.40	22.42			
15	HQDM	1	37	22.36	22.39	22.41	23.7	0	
15	HQDM	1	74	22.37	22.43	22.41			
15	HQDM	36	0	21.36	21.47	21.44			
15	HQDM	36	20	21.40	21.44	21.46	22.7	1	
15	HQDM	36	59	21.38	21.51	21.45			
15	HQDM	75	0	21.40	21.48	21.41			
15	HQDM	1	0	21.37	21.45	21.52			
15	HQDM	1	37	21.46	21.53	21.45	22.7	1	
15	HQDM	1	74	21.51	21.49	21.52			
15	HQDM	36	0	20.45	20.46	20.44			
15	HQDM	36	20	20.39	20.53	20.43	21.7	2	
15	HQDM	36	59	20.46	20.52	20.49			
15	HQDM	75	0	20.44	20.43	20.51			
15	SSQAM	1	0	18.42	18.39	18.47			
15	SSQAM	1	37	18.42	18.42	18.42	19.7	4	
15	SSQAM	1	74	18.39	18.54	18.35			
15	SSQAM	36	0	18.40	18.46	18.44			
15	SSQAM	36	20	18.42	18.41	18.46			
15	SSQAM	36	59	18.44	18.51	18.45	19.7	4	
15	SSQAM	75	0	18.44	18.40	18.47			
Channel									
Frequency (MHz)									
42195	3458	3600	3648						
10	QPSK	1	0	22.42	22.49	22.43			
10	QPSK	1	25	22.43	22.38	22.39	23.7	0	
10	QPSK	1	40	22.51	22.38	22.40			
10	QPSK	25	0	22.40	22.40	22.39			
10	QPSK	25	12	22.48	22.45	22.38	23.7	0	
10	QPSK	25	25	22.40	22.38	22.35			
10	QPSK	50	0	22.46	22.41	22.41			
10	HQDM	1	0	22.47	22.46	22.39			
10	HQDM	1	25	22.41	22.48	22.46	23.7	0	
10	HQDM	1	40	22.40	22.48	22.33			
10	HQDM	25	0	21.33	21.54	21.51			
10	HQDM	25	12	21.39	21.39	21.42	22.7	1	
10	HQDM	25	25	21.37	21.43	21.50			
10	HQDM	50	0	21.54	21.51	21.42			
10	HQDM	1	0	21.39	21.47	21.59			
10	HQDM	1	25	21.43	21.45	21.44	22.7	1	
10	HQDM	1	40	21.39	21.47	21.43			
10	HQDM	25	0	20.47	20.41	20.51			
10	HQDM	25	12	20.50	20.50	20.39	21.7	2	
10	HQDM	25	25	20.47	20.57	20.51			
10	HQDM	50	0	20.35	20.40	20.46			
10	SSQAM	1	0	18.43	18.39	18.52			
10	SSQAM	1	25	18.38	18.40	18.43	19.7	4	
10	SSQAM	1	40	18.39	18.42	18.33			
10	SSQAM	25	0	18.35	18.51	18.34			
10	SSQAM	25	12	18.37	18.41	18.49	19.7	4	
10	SSQAM	25	25	18.45	18.41	18.50			
10	SSQAM	50	0	18.38	18.44	18.49			
Channel									
Frequency (MHz)									
42195	3458	3600	3648						
5	QPSK	1	0	22.59	22.51	22.43			
5	QPSK	1	12	22.41	22.37	22.44	23.7	0	
5	QPSK	1	24	22.48	22.45	22.45			
5	QPSK	12	0	22.46	22.50	22.42			
5	QPSK	12	7	22.41	22.45	22.43	23.7	0	
5	QPSK	12	13	22.42	22.38	22.42			
5	QPSK	25	0	22.40	22.50	22.39			
5	HQDM	1	0	22.40	22.43	22.44			
5	HQDM	1	12	22.43	22.46	22.45	23.7	0	
5	HQDM	1	24	22.37	22.43	22.39			
5	HQDM	12	0	21.52	21.51	21.44			
5	HQDM	12	7	21.43	21.40	21.44	22.7	1	
5	HQDM	12	13	21.47	21.50	21.44			
5	HQDM	25	0	21.53	21.56	21.41			
5	HQDM	1	0	21.44	21.52	21.51			
5	HQDM	1	12	21.41	21.51	21.47	22.7	1	
5	HQDM	1	24	21.41	21.49	21.50			
5	HQDM	12	0	20.43	20.42	20.43			
5	HQDM	12	7	20.46	20.49	20.39	21.7	2	
5	HQDM	12	13	20.52	20.49	20.49			
5	SSQAM	25	0	20.47	20.48	20.48			
5	SSQAM	1	0	18.33	18.48	18.43			
5	SSQAM	1	12	18.44	18.43	18.44	19.7	4	
5	SSQAM	1	24	18.39	18.42	18.35			
5	SSQAM	12	0	18.42	18.54	18.42			
5	SSQAM	12	7	18.39	18.42	18.42	19.7	4	
5	SSQAM	12	13	18.38	18.50	18.35			
5	SSQAM	25	0	18.47	18.39	18.42			