

Full Power Mode

GSM50 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.29	32.38	32.42	33.50	23.29	23.38	23.42	24.50
GPRS 1 Tx slot	32.22	32.34	32.35	33.50	23.22	23.34	23.35	24.50
GPRS 2 Tx slots	29.84	29.85	29.71	31.00	23.84	23.85	23.71	25.00
GPRS 3 Tx slots	28.07	27.81	27.72	29.00	23.81	23.55	23.46	24.74
GPRS 4 Tx slots	26.02	26.00	25.94	27.00	23.02	23.00	22.94	24.00
EDGE 1 Tx slot	25.83	25.90	25.72	27.50	18.83	18.90	18.72	18.50
EDGE 2 Tx slots	24.01	24.09	24.06	25.50	18.01	18.09	18.06	19.00
EDGE 3 Tx slots	22.16	22.26	22.00	23.50	17.90	18.00	17.74	19.24
EDGE 4 Tx slots	20.30	20.33	20.13	21.50	17.30	17.33	17.13	18.50

GSM1800 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1860	1869.8		1850.2	1860	1869.8	
GSM 1 Tx slot	29.29	29.31	29.38	30.50	20.29	20.31	20.38	21.50
GPRS 1 Tx slot	29.21	29.28	29.30	30.50	20.21	20.28	20.30	21.50
GPRS 2 Tx slots	26.50	26.69	26.63	28.00	20.50	20.69	20.63	22.00
GPRS 3 Tx slots	24.78	24.72	24.76	26.50	20.52	20.46	20.52	21.24
GPRS 4 Tx slots	22.83	22.91	23.11	24.00	19.83	19.91	20.11	21.00
EDGE 1 Tx slot	25.89	25.63	25.55	28.50	18.69	18.63	18.55	17.50
EDGE 2 Tx slots	22.94	22.37	22.25	23.50	16.94	16.37	16.25	17.50
EDGE 3 Tx slots	21.27	21.27	21.89	22.50	17.01	17.01	16.83	18.24
EDGE 4 Tx slots	19.45	19.27	19.10	20.50	16.45	16.27	16.10	17.50

Band	WCDMA R ANT0			Tune-up Limit (dBm)	WCDMA R ANT1			Tune-up Limit (dBm)	WCDMA V ANT0			Tune-up Limit (dBm)	
	9262	9800	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	1852.4	1860	1867.6		1712.4	1722.6	1732.6		828.4	838.4	848.6		
Frequency (MHz)	1852.4	1860	1867.6		1712.4	1722.6	1732.6		828.4	838.4	848.6		
IGPP Rel 99	AMR 12.2kops	22.89	22.75	22.74	24.00	22.36	22.54	22.51	24.00	22.34	22.45	22.53	24.00
IGPP Rel 99	RMC 12.2kops	22.95	22.96	22.77	24.00	22.42	22.63	22.55	24.00	22.34	22.64	22.39	24.00
IGPP Rel 6	HSDPA Subtest-1	21.93	21.88	21.76	23.00	21.68	21.61	21.68	23.00	21.64	21.71	21.57	23.00
IGPP Rel 6	HSDPA Subtest-2	22.05	22.11	22.10	23.00	21.45	21.69	21.52	23.00	21.48	21.47	21.64	23.00
IGPP Rel 6	HSDPA Subtest-3	21.15	21.25	21.40	22.50	21.06	21.35	20.80	22.50	20.81	21.08	20.98	22.50
IGPP Rel 6	HSDPA Subtest-4	21.22	21.31	21.06	22.50	20.98	20.93	20.96	22.50	20.95	20.95	20.97	22.50
IGPP Rel 8	DC-HSDPA Subtest-1	21.87	22.00	21.71	23.00	21.62	21.81	21.58	23.00	21.34	21.42	21.50	23.00
IGPP Rel 8	DC-HSDPA Subtest-2	21.80	21.62	21.86	23.00	21.61	21.57	21.62	23.00	21.31	21.41	21.50	23.00
IGPP Rel 8	DC-HSDPA Subtest-3	21.26	21.15	21.32	22.50	20.84	21.16	21.12	22.50	20.66	21.02	20.83	22.50
IGPP Rel 8	DC-HSDPA Subtest-4	21.32	21.45	21.63	22.50	20.93	21.17	21.22	22.50	20.72	20.97	21.02	22.50
IGPP Rel 6	HSUPA Subtest-1	21.74	21.89	21.97	23.00	21.67	21.77	21.91	23.00	21.46	21.55	21.42	23.00
IGPP Rel 6	HSUPA Subtest-2	19.84	19.62	19.63	21.00	19.57	19.79	19.50	21.00	19.60	19.63	19.55	21.00
IGPP Rel 6	HSUPA Subtest-3	21.01	21.05	20.85	22.00	20.52	20.75	20.69	22.00	20.31	20.66	20.40	22.00
IGPP Rel 6	HSUPA Subtest-4	19.71	19.62	19.57	21.00	19.65	19.55	19.77	21.00	19.56	19.42	19.51	21.00
IGPP Rel 6	HSUPA Subtest-5	22.00	21.84	21.66	23.00	21.75	21.96	21.69	23.00	21.43	21.59	21.49	23.00
IGPP Rel 7	HSPA+ (16QAM) Subtest-1	19.35	19.49	19.26	20.50	19.31	19.42	19.23	20.50	19.13	19.27	19.08	20.50



Band 2 ANTO														
BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm) Ch./Fires	Power (dBm) Hsp Ch./Fires	Power (dBm) Hsp Ch./Fires	Turn-up Time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.49	22.52	22.43	24	0						
20	QPSK	1	49	22.49	22.43	22.38								
20	QPSK	1	99	22.24	22.39	22.25								
20	QPSK	50	0	21.48	21.52	21.49								
20	QPSK	50	24	21.41	21.43	21.35	23	1						
20	QPSK	50	50	21.38	21.52	21.46								
20	QPSK	100	0	21.38	21.46	21.32								
20	QPSK	100	24	21.52	21.46	21.50								
20	16QAM	1	49	21.54	21.59	21.54	23	1						
20	16QAM	1	99	21.51	21.71	21.69								
20	16QAM	50	0	20.35	20.46	20.38								
20	16QAM	50	24	20.47	20.54	20.40								
20	16QAM	50	50	20.44	20.55	20.42	22	2						
20	16QAM	100	0	20.32	20.46	20.38								
20	16QAM	100	0	20.53	20.59	20.61								
20	16QAM	100	49	20.75	20.76	20.76								
20	16QAM	1	99	20.52	20.55	20.54	22	2						
20	16QAM	50	0	19.32	19.41	19.34								
20	16QAM	50	24	19.31	19.35	19.34								
20	16QAM	50	50	19.50	19.55	19.42								
20	16QAM	100	0	19.33	19.45	19.31	21	3						
20	16QAM	100	0	19.33	19.45	19.31								
20	16QAM	100	0	19.33	19.45	19.31								
20	16QAM	100	0	19.33	19.45	19.31								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.39	22.32	24	0						
15	QPSK	1	37	22.20	22.41	22.24								
15	QPSK	1	74	22.27	22.38	22.18								
15	QPSK	36	0	21.33	21.42	21.41								
15	QPSK	36	20	21.32	21.33	21.26	23	1						
15	QPSK	36	39	21.38	21.43	21.38								
15	QPSK	75	0	21.35	21.42	21.27								
15	QPSK	75	0	21.41	21.63	21.48								
15	16QAM	1	74	21.63	21.69	21.62	23	1						
15	16QAM	1	74	21.63	21.69	21.62								
15	16QAM	1	74	21.63	21.69	21.62								
15	16QAM	1	74	21.63	21.69	21.62								
15	16QAM	36	0	20.28	20.35	20.30	22	2						
15	16QAM	36	39	20.43	20.45	20.34								
15	16QAM	36	39	20.35	20.50	20.31								
15	16QAM	75	0	20.28	20.48	20.31								
15	16QAM	1	1	20.45	20.45	20.51	22	2						
15	16QAM	1	37	20.51	20.58	20.56								
15	16QAM	1	74	20.52	20.58	20.56								
15	16QAM	36	39	19.26	19.29	19.25								
15	16QAM	36	39	19.47	19.44	19.38	21	3						
15	16QAM	36	39	19.47	19.44	19.38								
15	16QAM	36	39	19.47	19.44	19.38								
15	16QAM	36	39	19.47	19.44	19.38								
15	16QAM	75	0	19.29	19.42	19.27								
15	16QAM	75	0	19.29	19.42	19.27								
15	16QAM	75	0	19.29	19.42	19.27								
15	16QAM	75	0	19.29	19.42	19.27								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.41	22.47	22.37	24	0						
10	QPSK	1	25	22.27	22.34	22.35								
10	QPSK	1	49	22.18	22.25	22.19								
10	QPSK	25	0	21.32	21.41	21.34								
10	QPSK	25	12	21.28	21.38	21.27	23	1						
10	QPSK	25	25	21.28	21.39	21.24								
10	QPSK	50	0	21.30	21.35	21.24								
10	QPSK	50	0	21.30	21.35	21.24								
10	16QAM	1	0	21.45	21.63	21.47	23	1						
10	16QAM	25	12	21.56	21.58	21.51								
10	16QAM	1	49	21.50	21.61	21.48								
10	16QAM	25	0	20.32	20.42	20.32								
10	16QAM	25	25	20.38	20.51	20.34	22	2						
10	16QAM	25	25	20.38	20.51	20.34								
10	16QAM	50	0	20.19	20.38	20.33								
10	16QAM	1	0	20.45	20.46	20.38								
10	16QAM	1	25	20.64	20.71	20.62	22	2						
10	16QAM	1	49	20.43	20.47	20.44								
10	16QAM	25	12	20.46	20.58	20.38								
10	16QAM	25	12	19.45	19.49	19.31								
10	16QAM	25	12	19.45	19.49	19.31	21	3						
10	16QAM	25	12	19.45	19.49	19.31								
10	16QAM	25	12	19.45	19.49	19.31								
10	16QAM	25	12	19.45	19.49	19.31								
10	16QAM	50	0	19.29	19.42	19.27								
10	16QAM	50	0	19.29	19.42	19.27								
10	16QAM	50	0	19.29	19.42	19.27								
10	16QAM	50	0	19.29	19.42	19.27								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.40	22.43	22.39	24	0						
5	QPSK	1	12	22.31	22.41	22.32								
5	QPSK	1	24	22.18	22.35	22.16								
5	QPSK	8	0	21.33	21.49	21.43								
5	QPSK	12	0	21.38	21.35	21.30	23	1						
5	QPSK	12	13	21.22	21.44	21.33								
5	QPSK	25	0	21.28	21.33	21.26								
5	QPSK	25	0	21.48	21.62	21.55								
5	16QAM	1	12	21.60	21.65	21.57	23	1						
5	16QAM	1	24	21.52	21.61	21.46								
5	16QAM	1	49	21.50	21.59	21.44								
5	16QAM	12	0	20.35	20.38	20.27								
5	16QAM	12	7	20.38	20.46	20.36	22	2						
5	16QAM	12	7	20.38	20.46	20.36								
5	16QAM	25	0	20.18	20.38	20.34								
5	16QAM	25	0	20.42	20.44	20.36								
5	16QAM	1	0	20.42	20.44	20.36	22	2						
5	16QAM	1	49	20.42	20.44	20.36								
5	16QAM	1	24	20.41	20.48	20.40								
5	16QAM	12	0	19.21	19.28	19.24								
5	16QAM	12	7	19.43	19.43	19.30	21	3						
5	16QAM	12	7	19.43	19.43	19.30								
5	16QAM	12	7	19.43	19.43	19.30								
5	16QAM	12	7	19.43	19.43	19.30								
5	16QAM	15	0	19.24	19.42	19.16								
5	16QAM	15	0	19.24	19.42	19.16								
5	16QAM	15	0	19.24	19.42	19.16								
5	16QAM	15	0	19.24	19.42	19.16								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.37	22.38	22.31	24	0						
3	QPSK	1	8	22.31	22.31	22.30								
3	QPSK	1	16	22.18	22.28	22.21								
3	QPSK	8	0	21.42	21.41	21.40								
3	QPSK	8	4	21.29	21.38	21.24	23	1						
3	QPSK	8	12	21.30	21.38	21.26								
3	QPSK	16	0	21.33	21.34	21.30								
3	QPSK	16	0	21.38	21.45	21.54								
3	16QAM	1	0	21.45	21.63	21.47	23	1						
3	16QAM	1	16	21.50	21.60	21.51								
3	16QAM	8	0	20.28	20.38	20.32								
3	16QAM	8	4	20.35	20.46	20.36								
3	16QAM	8	7	20.29	20.35	20.29	22	2						
3	16QAM	16	0	20.32	20.43	20.35								
3	16QAM	16	0	20.35	20.46	20.38								
3	16QAM	1	16	20.46	20.56	20.39								
3	16QAM	1	16	20.28	20.34	20.29	22	2						
3	16QAM	1	16	20.28	20.34	20.29								
3	16QAM	8	4	19.42	19.43	19.33								
3	16QAM	8	7	19.43	19.43	19.33								
3	16QAM	15	0	19.23	19.38	19.28								
3	16QAM	15	0	19.23	19.38	19.28								
3	16QAM	15	0	19.23	19.38	19.28								
3	16QAM	15	0	19.23	19.38	19.28								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.44	22.41	22.35	24							
1.4	QPSK	1	3	22.25	22.38	22.34								
1.4	QPSK	1	5	22.17	22.26	22.14								
1.4	QPSK	2	0	22.35	22.45	22.24								
1.4	QPSK	1	1	22.34	22.34	22.26	23							
1.4	QPSK	1	1	22.34	22.34	22.26								
1.4	QPSK	1	6	22.31	22.37	22.25								
1.4	QPSK	1	0	21.49	21.56	21.55								
1.4	QPSK	1	5	21.51	21.60	21.50	23							
1.4	QPSK	1	5	21.51	21.43	21.52								
1.4	QPSK	1	5	21.51	21.53	21.41								
1.4	QPSK	3	0	21.44	21.50	21.37								
1.4	QPSK	1	0	20.25	20.42	20.31	22							
1.4	QPSK	1	0	20.25	20.42	20.31								
1.4	QPSK	1	3	20.70	20.72	20.60								
1.4	QPSK	1	5	20.43	20.52	20.46								
1.4	QPSK	1	1	20.32	20.33	20.31	22							
1.4	QPSK	1	1	20.32	20.33	20.31								
1.4	QPSK	3	0	20.36	20.51	20.39								
1.4	QPSK	3	0	20.36	20.51	20.39								

Band 13 ANTO									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.72	22.72	22.72	24	0	
15	QPSK	1	25	22.82	22.82	22.82			
15	QPSK	1	49	22.92	22.92	22.92			
15	QPSK	25	0	21.64	21.64	21.64	23	1	
15	QPSK	25	12	21.59	21.59	21.59			
15	QPSK	25	25	21.56	21.56	21.56			
15	QPSK	50	0	21.61	21.61	21.61	23	1	
15	16QAM	1	0	21.88	21.88	21.88			
15	16QAM	1	25	21.84	21.84	21.84			
15	16QAM	1	49	21.83	21.83	21.83	22	2	
15	16QAM	25	0	20.94	20.94	20.94			
15	16QAM	25	12	20.69	20.69	20.69			
15	16QAM	25	25	20.56	20.56	20.56	22	2	
15	16QAM	50	0	20.59	20.59	20.59			
15	16QAM	50	0	20.74	20.74	20.74			
15	64QAM	1	0	20.82	20.82	20.82	22	2	
15	64QAM	1	25	20.75	20.75	20.75			
15	64QAM	1	49	19.95	19.95	19.95			
15	64QAM	25	0	19.92	19.92	19.92	21	3	
15	64QAM	25	12	19.92	19.92	19.92			
15	64QAM	25	25	19.92	19.92	19.92			
15	64QAM	50	0	19.55	19.55	19.55	21	3	
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.60	22.67	22.65	24	0	
5	QPSK	1	12	22.50	22.48	22.40			
5	QPSK	1	24	22.44	22.52	22.45			
5	QPSK	12	0	21.40	21.54	21.62	23	1	
5	QPSK	12	7	21.33	21.50	21.34			
5	QPSK	12	13	21.48	21.48	21.36			
5	QPSK	25	0	21.47	21.57	21.43	23	1	
5	16QAM	1	0	21.69	21.80	21.73			
5	16QAM	1	12	21.06	21.77	21.05			
5	16QAM	1	24	21.55	21.70	21.58	22	2	
5	16QAM	12	0	20.55	20.56	20.48			
5	16QAM	12	7	20.50	20.50	20.37			
5	16QAM	12	13	20.36	20.49	20.42	22	2	
5	16QAM	25	0	20.39	20.54	20.41			
5	16QAM	25	0	20.57	20.60	20.52			
5	64QAM	1	12	20.68	20.71	20.62	22	2	
5	64QAM	1	24	20.63	20.69	20.60			
5	64QAM	12	0	19.44	19.59	19.52			
5	64QAM	12	7	19.46	19.55	19.46	21	3	
5	64QAM	12	13	19.43	19.43	19.43			
5	64QAM	25	0	19.44	19.40	19.45			

Band 26 for FCC ANTO												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.59	22.76	22.63	24	0				
15	QPSK	1	37	22.49	22.61	22.52						
15	QPSK	1	74	22.44	22.56	22.42						
15	QPSK	36	0	21.59	21.63	21.51	23	1				
15	QPSK	36	20	21.55	21.58	21.47						
15	QPSK	36	39	21.45	21.54	21.50						
15	QPSK	75	0	21.53	21.59	21.48	23	1				
15	16QAM	1	0	21.59	21.74	21.61						
15	16QAM	1	37	21.79	21.82	21.69						
15	16QAM	1	74	21.72	21.75	21.67	22	2				
15	16QAM	36	0	20.58	20.66	20.54						
15	16QAM	36	20	20.56	20.59	20.53						
15	16QAM	36	39	20.54	20.68	20.54	22	2				
15	16QAM	75	0	20.53	20.62	20.52						
15	16QAM	1	0	20.67	20.76	20.65						
15	64QAM	1	37	20.63	20.71	20.62	22	2				
15	64QAM	1	74	20.51	20.53	20.55						
15	64QAM	36	0	19.51	19.62	19.58						
15	64QAM	36	20	19.51	19.68	19.59	21	3				
15	64QAM	36	39	19.45	19.53	19.47						
15	64QAM	75	0	19.49	19.60	19.58						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.52	22.68	22.49	24	0				
10	QPSK	1	25	22.37	22.50	22.45						
10	QPSK	1	49	22.31	22.48	22.37						
10	QPSK	25	0	21.62	21.60	21.41	23	1				
10	QPSK	25	12	21.41	21.52	21.43						
10	QPSK	25	25	21.37	21.44	21.36						
10	QPSK	50	0	21.47	21.48	21.41	23	1				
10	16QAM	1	0	21.55	21.64	21.54						
10	16QAM	1	25	21.75	21.72	21.66						
10	16QAM	1	49	21.68	21.63	21.57	22	2				
10	16QAM	25	0	20.51	20.59	20.47						
10	16QAM	25	12	20.50	20.54	20.58						
10	16QAM	25	25	20.43	20.55	20.48	22	2				
10	16QAM	50	0	20.47	20.52	20.44						
10	16QAM	50	0	20.59	20.62	20.53						
10	64QAM	1	25	20.53	20.64	20.59	22	2				
10	64QAM	1	49	20.47	20.51	20.41						
10	64QAM	25	0	19.48	19.53	19.49						
10	64QAM	25	12	19.38	19.54	19.51	21	3				
10	64QAM	25	25	19.37	19.53	19.38						
10	64QAM	50	0	19.40	19.52	19.48						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.50	22.69	22.44	24	0				
5	QPSK	1	12	22.36	22.52	22.41						
5	QPSK	1	24	22.31	22.48	22.27						
5	QPSK	12	0	21.50	21.59	21.44	23	1				
5	QPSK	12	7	21.46	21.44	21.43						
5	QPSK	12	13	21.33	21.42	21.42						
5	QPSK	25	0	21.41	21.47	21.39	23	1				
5	16QAM	1	0	21.56	21.63	21.52						
5	16QAM	1	12	21.71	21.74	21.65						
5	16QAM	1	24	21.68	21.65	21.65	22	2				
5	16QAM	12	0	20.47	20.53	20.46						
5	16QAM	12	7	20.45	20.60	20.59						
5	16QAM	12	13	20.44	20.57	20.42	22	2				
5	16QAM	25	0	20.41	20.48	20.51						
5	16QAM	25	0	20.59	20.57	20.52						
5	64QAM	1	12	20.54	20.65	20.57	22	2				
5	64QAM	1	24	20.42	20.50	20.41						
5	64QAM	12	0	19.40	19.53	19.44						
5	64QAM	12	7	19.45	19.62	19.44	21	3				
5	64QAM	12	13	19.33	19.49	19.40						
5	64QAM	25	0	19.33	19.52	19.51						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.48	22.70	22.44	24	0				
3	QPSK	1	8	22.35	22.58	22.44						
3	QPSK	1	14	22.36	22.48	22.38						
3	QPSK	8	0	21.44	21.54	21.41	23	1				
3	QPSK	8	4	21.44	21.44	21.42						
3	QPSK	8	7	21.40	21.45	21.39						
3	QPSK	15	0	21.49	21.51	21.36	23	1				
3	16QAM	1	0	21.55	21.68	21.54						
3	16QAM	1	8	21.74	21.78	21.63	23	1				
3	16QAM	1	14	21.59	21.67	21.55						
3	16QAM	8	0	20.58	20.66	20.54						
3	16QAM	8	4	20.47	20.55	20.55	22	2				
3	16QAM	8	7	20.41	20.61	20.48						
3	16QAM	15	0	20.45	20.58	20.46						
3	64QAM	1	0	20.83	20.96	20.86	22	2				
3	64QAM	1	8	20.90	21.08	20.94						
3	64QAM	8	0	19.44	19.49	19.40						
3	64QAM	8	4	19.37	19.62	19.63	21	3				
3	64QAM	8	7	19.47	19.62	19.62						
3	64QAM	15	0	19.40	19.54	19.53						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.49	22.70	22.43	24	0				
1.4	QPSK	1	3	22.41	22.53	22.43						
1.4	QPSK	1	6	22.40	22.52	22.37						
1.4	QPSK	3	0	22.48	22.48	22.43	24	0				
1.4	QPSK	3	3	22.40	22.52	22.40						
1.4	QPSK	3	6	22.32	22.47	22.46						
1.4	QPSK	6	0	21.42	21.49	21.38	23	1				
1.4	QPSK	6	3	21.46	21.52	21.54						
1.4	QPSK	6	6	21.79	21.75	21.71						
1.4	16QAM	1	0	21.83	21.84	21.64	23	1				
1.4	16QAM	1	3	21.67	21.69	21.48						
1.4	16QAM	1	6	21.62	21.62	21.61						
1.4	16QAM	3	0	21.48	21.62	21.48	23	1				
1.4	16QAM	3	3	21.48	21.62	21.48						
1.4	16QAM	3	6	20.44	20.54	20.43						
1.4	16QAM	6	0	20.58	20.68	20.58	22	2				
1.4	16QAM	6	3	20.54	20.61	20.55						
1.4	16QAM	6	6	20.46	20.48	20.42						
1.4	64QAM	1	0	20.51	20.44	20.47	22	2				
1.4	64QAM	1	3	20.47	20.55	20.44						
1.4	64QAM	1	6	20.37	20.47	20.47						
1.4	64QAM	3	0	19.33	19.48	19.48	21	3				
1.4	64QAM	3	3	19.33	19.48	19.48						
1.4	64QAM	3	6	19.33	19.48	19.48						

Band 7 ANT1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				2050	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	22.50	22.61	22.51			24	0	
20	QPSK	1	49	22.48	22.56	22.49					
20	QPSK	1	99	22.32	22.46	22.41					
20	QPSK	50	0	21.63	21.68	21.57			23	1	
20	QPSK	50	24	21.51	21.56	21.42					
20	QPSK	50	50	21.38	21.49	21.34					
20	QPSK	100	0	21.59	21.66	21.65			23	1	
20	16QAM	1	0	21.61	21.71	21.67					
20	16QAM	1	49	21.69	21.78	21.74					
20	16QAM	1	99	21.58	21.68	21.62			22	2	
20	16QAM	50	0	20.46	20.53	20.43					
20	16QAM	50	24	20.53	20.59	20.50					
20	16QAM	50	50	20.43	20.48	20.40			22	2	
20	16QAM	100	0	20.37	20.49	20.43					
20	64QAM	1	0	20.59	20.68	20.56					
20	64QAM	1	49	20.75	20.82	20.79			22	2	
20	64QAM	1	99	20.47	20.55	20.44					
20	64QAM	50	0	19.41	19.56	19.42					
20	64QAM	50	24	19.49	19.61	19.55			21	3	
20	64QAM	50	50	19.48	19.53	19.45					
20	64QAM	100	0	19.40	19.50	19.40					
Channel				20825	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	22.38	22.56	22.41			24	0	
15	QPSK	1	37	22.34	22.46	22.35					
15	QPSK	1	74	22.27	22.35	22.27					
15	QPSK	36	0	21.49	21.54	21.53			23	1	
15	QPSK	36	20	21.38	21.49	21.39					
15	QPSK	36	39	21.28	21.39	21.26					
15	QPSK	75	0	21.48	21.62	21.52			23	1	
15	16QAM	1	0	21.57	21.67	21.53					
15	16QAM	1	37	21.55	21.73	21.60					
15	16QAM	1	74	21.55	21.59	21.56			22	2	
15	16QAM	36	0	20.35	20.40	20.36					
15	16QAM	36	20	20.42	20.52	20.37					
15	16QAM	36	39	20.31	20.43	20.30			22	2	
15	16QAM	75	0	20.32	20.38	20.28					
15	64QAM	1	0	20.44	20.63	20.52					
15	64QAM	1	37	20.72	20.73	20.75			22	2	
15	64QAM	1	74	20.37	20.40	20.31					
15	64QAM	36	0	19.30	19.50	19.29					
15	64QAM	36	20	19.36	19.47	19.44			21	3	
15	64QAM	36	39	19.43	19.49	19.40					
15	64QAM	75	0	19.29	19.37	19.29					
Channel				20900	21100	21400					
Frequency (MHz)				2509	2535	2565	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	22.41	22.49	22.44			24	0	
10	QPSK	1	25	22.34	22.50	22.45					
10	QPSK	1	49	22.24	22.43	22.33					
10	QPSK	25	0	21.56	21.51	21.52			23	1	
10	QPSK	25	12	21.47	21.42	21.36					
10	QPSK	25	25	21.24	21.43	21.30					
10	QPSK	50	0	21.50	21.60	21.63			23	1	
10	16QAM	1	0	21.48	21.57	21.63					
10	16QAM	1	25	21.57	21.74	21.70					
10	16QAM	1	49	21.48	21.53	21.55			22	2	
10	16QAM	25	0	20.35	20.47	20.36					
10	16QAM	25	12	20.46	20.52	20.40					
10	16QAM	25	25	20.40	20.39	20.26			22	2	
10	16QAM	50	0	20.29	20.42	20.35					
10	64QAM	1	0	20.53	20.61	20.47					
10	64QAM	1	25	20.66	20.72	20.68			22	2	
10	64QAM	1	49	20.37	20.50	20.30					
10	64QAM	25	0	19.33	19.50	19.30					
10	64QAM	25	12	19.42	19.56	19.44			21	3	
10	64QAM	25	25	19.39	19.44	19.39					
10	64QAM	50	0	19.27	19.46	19.29					
Channel				20775	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	22.40	22.51	22.47			24	0	
5	QPSK	1	12	22.42	22.42	22.35					
5	QPSK	1	24	22.19	22.36	22.31					
5	QPSK	12	0	21.52	21.60	21.50			23	1	
5	QPSK	12	7	21.37	21.41	21.30					
5	QPSK	12	13	21.25	21.35	21.27					
5	QPSK	25	0	21.54	21.58	21.53			23	1	
5	16QAM	1	0	21.51	21.68	21.61					
5	16QAM	1	12	21.56	21.73	21.60					
5	16QAM	1	24	21.51	21.57	21.56			22	2	
5	16QAM	12	0	20.32	20.43	20.33					
5	16QAM	12	7	20.50	20.51	20.39					
5	16QAM	12	13	20.30	20.35	20.26			22	2	
5	16QAM	25	0	20.23	20.36	20.33					
5	64QAM	1	0	20.55	20.62	20.52					
5	64QAM	1	12	20.66	20.69	20.68			22	2	
5	64QAM	1	24	20.40	20.47	20.32					
5	64QAM	12	0	19.27	19.47	19.34					
5	64QAM	12	7	19.38	19.54	19.51			21	3	
5	64QAM	12	13	19.34	19.39	19.36					
5	64QAM	25	0	19.32	19.41	19.30					

Band 38 ANT1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.72	22.85	22.78	23	1	
20	QPSK	1	49	22.77	22.83	22.74			
20	QPSK	1	99	22.84	22.88	22.83			
20	QPSK	50	0	21.70	21.82	21.82			
20	QPSK	50	24	21.77	21.80	21.72	23	1	
20	QPSK	50	50	21.60	21.71	21.67			
20	QPSK	100	0	21.70	21.83	21.77			
20	16QAM	1	0	21.76	21.83	21.80			
20	16QAM	1	49	21.87	22.00	21.92	23	1	
20	16QAM	1	99	21.62	21.76	21.66			
20	16QAM	50	0	20.76	20.83	20.78			
20	16QAM	50	24	20.81	20.86	20.76			
20	16QAM	50	50	20.63	20.73	20.66	22	2	
20	16QAM	100	0	20.71	20.82	20.74			
20	64QAM	1	0	20.28	20.39	20.33			
20	64QAM	1	49	20.50	20.59	20.48			
20	64QAM	1	99	20.24	20.32	20.26	22	2	
20	64QAM	50	0	19.78	19.86	19.78			
20	64QAM	50	24	19.80	19.87	19.79			
20	64QAM	50	50	19.63	19.76	19.63			
20	64QAM	100	0	19.74	19.84	19.75	21	3	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	0	22.60	22.75	22.74	24	0	
15	QPSK	1	37	22.67	22.68	22.71			
15	QPSK	1	74	22.57	22.59	22.59			
15	QPSK	36	0	21.57	21.80	21.72			
15	QPSK	36	20	21.67	21.69	21.58	23	1	
15	QPSK	36	39	21.56	21.59	21.59			
15	QPSK	75	0	21.60	21.76	21.65			
15	16QAM	1	0	21.62	21.69	21.68			
15	16QAM	1	37	21.81	21.91	21.78	23	1	
15	16QAM	1	74	21.50	21.70	21.61			
15	16QAM	36	0	20.71	20.72	20.70			
15	16QAM	36	20	20.73	20.77	20.67			
15	16QAM	36	39	20.58	20.63	20.53	22	2	
15	16QAM	75	0	20.67	20.70	20.63			
15	64QAM	1	0	20.20	20.30	20.30			
15	64QAM	1	37	20.35	20.45	20.38			
15	64QAM	1	74	20.13	20.29	20.19	22	2	
15	64QAM	36	0	19.71	19.79	19.68			
15	64QAM	36	20	19.74	19.73	19.69			
15	64QAM	36	39	19.53	19.70	19.54			
15	64QAM	75	0	19.68	19.72	19.61	21	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	0	22.58	22.76	22.66	24	0	
10	QPSK	1	25	22.63	22.76	22.63			
10	QPSK	1	49	22.58	22.61	22.56			
10	QPSK	25	0	21.55	21.79	21.76			
10	QPSK	25	12	21.63	21.69	21.68	23	1	
10	QPSK	25	25	21.50	21.61	21.54			
10	QPSK	50	0	21.59	21.72	21.62			
10	16QAM	1	0	21.71	21.69	21.74			
10	16QAM	1	25	21.81	21.90	21.85	23	1	
10	16QAM	1	49	21.56	21.73	21.52			
10	16QAM	25	0	20.70	20.75	20.66			
10	16QAM	25	12	20.77	20.74	20.62			
10	16QAM	25	25	20.50	20.63	20.62	22	2	
10	16QAM	50	0	20.65	20.69	20.63			
10	64QAM	1	0	20.19	20.26	20.19			
10	64QAM	1	25	20.39	20.46	20.43			
10	64QAM	1	49	20.09	20.20	20.13	22	2	
10	64QAM	25	0	19.72	19.74	19.69			
10	64QAM	25	12	19.75	19.77	19.66			
10	64QAM	25	25	19.51	19.70	19.49			
10	64QAM	50	0	19.59	19.71	19.70	21	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	0	22.60	22.82	22.84	24	0	
5	QPSK	1	12	22.67	22.77	22.66			
5	QPSK	1	24	22.59	22.58	22.56			
5	QPSK	12	0	21.60	21.79	21.69			
5	QPSK	12	7	21.62	21.72	21.60	23	1	
5	QPSK	12	13	21.56	21.58	21.55			
5	QPSK	25	0	21.55	21.78	21.67			
5	16QAM	1	0	21.73	21.74	21.67			
5	16QAM	1	12	21.84	21.92	21.81	23	1	
5	16QAM	1	24	21.55	21.65	21.56			
5	16QAM	12	0	20.65	20.71	20.71			
5	16QAM	12	7	20.75	20.76	20.72			
5	16QAM	12	13	20.51	20.66	20.62	22	2	
5	16QAM	25	0	20.65	20.76	20.61			
5	64QAM	1	0	20.14	20.34	20.28			
5	64QAM	1	12	20.36	20.51	20.41			
5	64QAM	1	24	20.19	20.20	20.15	22	2	
5	64QAM	12	0	19.66	19.82	19.74			
5	64QAM	12	7	19.69	19.77	19.70			
5	64QAM	12	13	19.58	19.70	19.53			
5	64QAM	25	0	19.66	19.73	19.70	21	3	

Band 41 (2.6G Band) ANT1										
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.	Turn-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.80	22.47	22.88	22.68	22.76	23	1
20	QPSK	1	49	22.64	22.71	22.76	22.72	22.72		
20	QPSK	1	99	22.55	22.54	22.67	22.36	22.63		
20	QPSK	50	0	21.59	21.49	21.78	21.86	21.76		
20	QPSK	50	24	21.57	21.60	21.72	21.61	21.69	23	1
20	QPSK	50	50	21.55	21.59	21.68	21.63	21.62		
20	QPSK	100	0	21.61	21.41	21.72	21.54	21.65		
20	16QAM	1	0	21.57	21.61	21.69	21.84	21.57		
20	16QAM	1	49	21.52	21.46	21.49	21.47	21.43	23	1
20	16QAM	1	99	21.69	21.73	21.79	21.76	21.74		
20	16QAM	50	0	20.64	20.65	20.69	20.62	20.61		
20	16QAM	50	24	20.67	20.71	20.79	20.64	20.74		
20	16QAM	50	50	20.64	20.68	20.73	20.67	20.69	22	2
20	16QAM	100	0	20.64	20.71	20.74	20.64	20.64		
20	64QAM	1	0	20.30	20.38	20.43	20.38	20.29		
20	64QAM	1	49	20.47	20.56	20.61	20.55	20.48		
20	64QAM	1	99	20.32	20.37	20.47	20.39	20.41	21	3
20	64QAM	50	0	19.57	19.66	19.71	19.61	19.63		
20	64QAM	50	24	19.75	19.74	19.81	19.72	19.78		
20	64QAM	50	50	19.67	19.63	19.75	19.66	19.72		
20	64QAM	100	0	19.65	19.63	19.77	19.68	19.72	24	0
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	24 <th rowspan="2">0</th>	0
15	QPSK	1	0	22.51	22.35	22.80	22.58	22.68		
15	QPSK	1	37	22.50	22.63	22.70	22.88	22.63	23	1
15	QPSK	1	74	22.44	22.41	22.64	22.41	22.51		
15	QPSK	36	0	21.52	21.38	21.73	21.52	21.66		
15	QPSK	36	20	21.50	21.50	21.63	21.55	21.65		
15	QPSK	36	39	21.50	21.48	21.54	21.50	21.50	23	1
15	QPSK	75	0	21.56	21.35	21.63	21.43	21.58		
15	16QAM	1	0	21.50	21.55	21.57	21.59	21.53		
15	16QAM	1	37	21.47	21.34	21.37	21.34	21.29		
15	16QAM	1	74	21.66	21.65	21.65	21.61	21.62	22	2
15	16QAM	36	0	20.51	20.50	20.57	20.50	20.48		
15	16QAM	36	20	20.64	20.57	20.64	20.54	20.64		
15	16QAM	36	39	20.57	20.63	20.62	20.59	20.57		
15	16QAM	75	0	20.56	20.67	20.66	20.58	20.60	22	2
15	64QAM	1	0	20.19	20.33	20.39	20.31	20.17		
15	64QAM	1	37	20.34	20.45	20.51	20.40	20.43		
15	64QAM	1	74	20.25	20.33	20.35	20.27	20.26		
15	64QAM	36	0	19.43	19.56	19.58	19.52	19.60	21	3
15	64QAM	36	20	19.69	19.61	19.69	19.62	19.69		
15	64QAM	36	39	19.59	19.60	19.60	19.58	19.58		
15	64QAM	75	0	19.56	19.53	19.68	19.63	19.58		
Channel				39750	40185	40620	41080	41490	24 <th rowspan="2">0</th>	0
Frequency (MHz)				2503	2547	2591	2635	2679		
10	QPSK	1	0	22.47	22.40	22.74	22.61	22.65	24	0
10	QPSK	1	25	22.52	22.57	22.64	22.58	22.64		
10	QPSK	1	49	22.50	22.40	22.59	22.46	22.50		
10	QPSK	25	0	21.45	21.37	21.75	21.58	21.63		
10	QPSK	25	12	21.45	21.52	21.65	21.48	21.57	23	1
10	QPSK	25	25	21.46	21.52	21.55	21.55	21.53		
10	QPSK	50	0	21.49	21.35	21.66	21.49	21.54		
10	16QAM	1	0	21.50	21.54	21.65	21.51	21.49		
10	16QAM	1	25	21.48	21.37	21.41	21.42	21.41	23	1
10	16QAM	1	49	21.60	21.62	21.75	21.61	21.62		
10	16QAM	25	0	20.55	20.57	20.58	20.55	20.58		
10	16QAM	25	12	20.56	20.67	20.69	20.58	20.60		
10	16QAM	25	25	20.60	20.57	20.63	20.60	20.60	22	2
10	16QAM	50	0	20.61	20.66	20.70	20.58	20.54		
10	64QAM	1	0	20.27	20.23	20.30	20.32	20.16		
10	64QAM	1	25	20.41	20.49	20.55	20.49	20.43		
10	64QAM	1	49	20.29	20.30	20.33	20.29	20.37	22	2
10	64QAM	25	0	19.43	19.54	19.64	19.55	19.60		
10	64QAM	25	12	19.62	19.68	19.73	19.65	19.74		
10	64QAM	25	25	19.56	19.53	19.69	19.62	19.62		
10	64QAM	50	0	19.59	19.53	19.65	19.64	19.64	21	3
Channel				39675	40148	40620	41093	41595		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	24 <th rowspan="2">0</th>	0
5	QPSK	1	0	22.51	22.43	22.85	22.55	22.67		
5	QPSK	1	12	22.59	22.65	22.72	22.66	22.68	24	0
5	QPSK	1	24	22.51	22.43	22.65	22.46	22.51		
5	QPSK	12	0	21.56	21.44	21.64	21.60	21.67		
5	QPSK	12	7	21.49	21.53	21.57	21.58	21.54		
5	QPSK	12	13	21.45	21.46	21.63	21.52	21.50	23	1
5	QPSK	25	0	21.46	21.28	21.59	21.49	21.55		
5	16QAM	1	0	21.49	21.50	21.61	21.50	21.48		
5	16QAM	12	11	21.45	21.42	21.41	21.37	21.31		
5	16QAM	1	24	21.66	21.70	21.68	21.66	21.67	23	1
5	16QAM	12	0	20.56	20.55	20.58	20.51	20.48		
5	16QAM	12	7	20.62	20.63	20.73	20.57	20.62		
5	16QAM	12	13	20.50	20.55	20.65	20.60	20.56		
5	64QAM	1	0	20.59	20.57	20.65	20.52	20.53	22	2
5	64QAM	1	0	20.26	20.32	20.37	20.26	20.19		
5	64QAM	1	12	20.37	20.48	20.54	20.51	20.45		
5	64QAM	1	24	20.23	20.29	20.35	20.25	20.36		
5	64QAM	12	0	19.46	19.61	19.62	19.48	19.59	21	3
5	64QAM	12	7	19.68	19.68	19.76	19.61	19.70		
5	64QAM	12	13	19.56	19.58	19.68	19.53	19.64		
5	64QAM	25	0	19.58	19.54	19.70	19.55	19.58		

Receiver on Mode for DSI 2

GSM850 ANT0		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		124.2	131.4	141.1	(dBm)		124.2	131.4	141.1	(dBm)	
GSM 1 Tx slot		32.29	32.38	32.42	33.50		23.29	23.38	23.42	24.50	
GPRS 1 Tx slot		32.22	32.34	32.35	33.50		23.22	23.34	23.35	24.50	
GPRS 2 Tx slots		29.84	29.85	29.71	31.00		23.84	23.85	23.71	25.00	
GPRS 3 Tx slots		28.07	27.81	27.72	29.00		23.81	23.55	23.46	24.74	
GPRS 4 Tx slots		26.02	26.00	25.94	27.00		23.02	23.00	22.94	24.00	
EDGE 1 Tx slot		25.83	25.90	25.72	27.50		16.83	16.90	16.72	18.50	
EDGE 2 Tx slots		24.01	24.09	24.06	25.50		18.01	18.09	18.06	19.50	
EDGE 3 Tx slots		22.16	22.28	22.90	23.50		17.90	18.00	17.74	19.24	
EDGE 4 Tx slots		20.30	20.33	20.13	21.50		17.30	17.53	17.13	18.50	

GSM1900 ANT0		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		512	861	810	Limit		512	861	810	Limit	
Frequency (MHz)		1850.2	1860	1909.8	(dBm)		1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot		29.29	29.31	29.36	30.50		20.29	20.31	20.36	21.50	
GPRS 1 Tx slot		29.21	29.28	29.30	30.50		20.21	20.28	20.30	21.50	
GPRS 2 Tx slots		26.50	26.69	26.63	28.00		20.50	20.69	20.63	23.00	
GPRS 3 Tx slots		24.78	24.72	24.78	25.50		20.52	20.46	20.52	21.24	
GPRS 4 Tx slots		22.83	22.91	23.11	24.00		19.83	19.91	20.11	21.00	
EDGE 1 Tx slot		25.89	25.63	25.55	26.50		16.89	16.63	16.55	17.50	
EDGE 2 Tx slots		22.54	22.37	22.25	23.50		16.54	16.37	16.25	17.50	
EDGE 3 Tx slots		21.27	21.27	21.09	22.50		17.01	17.01	16.83	18.24	
EDGE 4 Tx slots		19.45	19.27	19.10	20.50		16.45	16.27	16.10	17.50	

Band		WCDMA II ANT0			Tune-up		WCDMA IV ANT0			Tune-up	
TX Channel		9262	9400	9538	Limit		1312	1413	1513	Limit	
Rx Channel		9662	9800	9938	(dBm)		1537	1638	1738	(dBm)	
Frequency (MHz)		1852.2	1860	1907.2	(dBm)		1727.4	1727.2	1783.2	(dBm)	
3GPP Rel 99 AMR 12.2Kbps		22.89	22.75	22.74	24.00		22.36	22.54	22.51	24.00	
3GPP Rel 99 RMC 12.2Kbps		22.95	22.96	22.77	24.00		22.42	22.63	22.55	24.00	
3GPP Rel 6 HSDPA Subtest-1		21.93	21.88	21.76	23.00		21.68	21.81	21.68	23.00	
3GPP Rel 6 HSDPA Subtest-2		22.05	22.11	22.10	23.00		21.45	21.69	21.52	23.00	
3GPP Rel 6 HSDPA Subtest-3		21.15	21.25	21.40	22.50		21.06	21.35	20.90	22.50	
3GPP Rel 6 HSDPA Subtest-4		21.22	21.31	21.06	22.50		20.98	20.93	20.96	22.50	
3GPP Rel 8 DC-HSDPA Subtest-1		21.87	22.00	21.71	23.00		21.62	21.81	21.58	23.00	
3GPP Rel 8 DC-HSDPA Subtest-2		21.90	21.62	21.86	23.00		21.61	21.57	21.62	23.00	
3GPP Rel 8 DC-HSDPA Subtest-3		21.26	21.15	21.32	22.50		20.84	21.16	21.12	22.50	
3GPP Rel 8 DC-HSDPA Subtest-4		21.32	21.45	21.63	22.50		20.93	21.17	21.22	22.50	
3GPP Rel 6 HSUPA Subtest-1		21.74	21.89	21.97	23.00		21.67	21.77	21.91	23.00	
3GPP Rel 6 HSUPA Subtest-2		19.94	19.92	19.63	21.00		19.57	19.79	19.50	21.00	
3GPP Rel 6 HSUPA Subtest-3		21.01	21.05	20.85	22.00		20.52	20.75	20.69	22.00	
3GPP Rel 6 HSUPA Subtest-4		19.71	19.62	19.57	21.00		19.65	19.55	19.77	21.00	
3GPP Rel 6 HSUPA Subtest-5		22.00	21.84	21.66	23.00		21.75	21.96	21.69	23.00	
3GPP Rel 7 HSPA+ (HSPA) Subtest-1		19.35	19.45	19.26	20.50		19.31	19.42	19.23	20.50	

Band		WCDMA V ANT0			Tune-up	
TX Channel		4132	4182	4233	Limit	
Rx Channel		4357	4407	4458	(dBm)	
Frequency (MHz)		1852.2	1860	1907.2	(dBm)	
3GPP Rel 99 AMR 12.2Kbps		22.89	22.75	22.74	24.00	
3GPP Rel 99 RMC 12.2Kbps		22.95	22.96	22.77	24.00	
3GPP Rel 6 HSDPA Subtest-1		21.93	21.88	21.76	23.00	
3GPP Rel 6 HSDPA Subtest-2		22.05	22.11	22.10	23.00	
3GPP Rel 6 HSDPA Subtest-3		21.15	21.25	21.40	22.50	
3GPP Rel 6 HSDPA Subtest-4		21.22	21.31	21.06	22.50	
3GPP Rel 8 DC-HSDPA Subtest-1		21.87	22.00	21.71	23.00	
3GPP Rel 8 DC-HSDPA Subtest-2		21.90	21.62	21.86	23.00	
3GPP Rel 8 DC-HSDPA Subtest-3		21.26	21.15	21.32	22.50	
3GPP Rel 8 DC-HSDPA Subtest-4		21.32	21.45	21.63	22.50	
3GPP Rel 6 HSUPA Subtest-1		21.74	21.89	21.97	23.00	
3GPP Rel 6 HSUPA Subtest-2		19.94	19.92	19.63	21.00	
3GPP Rel 6 HSUPA Subtest-3		21.01	21.05	20.85	22.00	
3GPP Rel 6 HSUPA Subtest-4		19.71	19.62	19.57	21.00	
3GPP Rel 6 HSUPA Subtest-5		22.00	21.84	21.66	23.00	
3GPP Rel 7 HSPA+ (HSPA) Subtest-1		19.35	19.45	19.26	20.50	



Band 2 Ant0 DS12														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up Time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.49	22.52	22.43	24	0						
20	QPSK	1	49	22.25	22.45	22.28								
20	QPSK	1	99	22.24	22.39	22.25								
20	QPSK	50	0	21.48	21.56	21.49								
20	QPSK	50	24	21.41	21.44	21.31	23	1						
20	QPSK	50	50	21.38	21.52	21.46								
20	QPSK	100	0	21.38	21.46	21.32								
20	QPSK	1	0	21.52	21.66	21.50								
20	16QAM	1	99	21.61	21.71	21.69	23	1						
20	16QAM	50	0	20.35	20.46	20.38								
20	16QAM	50	24	20.47	20.54	20.40								
20	16QAM	50	50	20.44	20.55	20.42								
20	16QAM	100	0	20.32	20.46	20.38	22	2						
20	16QAM	1	0	20.53	20.59	20.61								
20	16QAM	1	49	20.75	20.76	20.76								
20	16QAM	1	99	20.52	20.55	20.54								
20	16QAM	50	0	19.32	19.41	19.34	22	2						
20	16QAM	50	24	19.31	19.35	19.34								
20	16QAM	50	50	19.50	19.55	19.42								
20	16QAM	100	0	19.33	19.45	19.31								
20	16QAM	1	0	19.33	19.45	19.31	21	3						
20	16QAM	1	0	19.33	19.45	19.31								
20	16QAM	1	0	19.33	19.45	19.31								
20	16QAM	1	0	19.33	19.45	19.31								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.41	22.39	22.32	24	0						
15	QPSK	1	37	22.20	22.41	22.24								
15	QPSK	1	74	22.21	22.38	22.18								
15	QPSK	36	0	21.33	21.42	21.41								
15	QPSK	36	20	21.32	21.33	21.26	23	1						
15	QPSK	36	50	21.32	21.43	21.38								
15	QPSK	75	0	21.35	21.42	21.27								
15	QPSK	1	0	21.41	21.63	21.48								
15	16QAM	1	37	21.53	21.61	21.54	23	1						
15	16QAM	1	74	21.51	21.66	21.59								
15	16QAM	36	0	20.28	20.35	20.30								
15	16QAM	36	20	20.43	20.44	20.34								
15	16QAM	36	50	20.35	20.50	20.31	22	2						
15	16QAM	75	0	20.28	20.37	20.23								
15	16QAM	1	0	20.45	20.45	20.51								
15	16QAM	1	37	20.61	20.68	20.66								
15	16QAM	1	74	20.61	20.68	20.66	22	2						
15	16QAM	36	0	19.26	19.29	19.25								
15	16QAM	36	20	19.47	19.44	19.38								
15	16QAM	50	0	19.47	19.48	19.32								
15	16QAM	75	0	19.29	19.42	19.27	21	3						
15	16QAM	75	0	19.29	19.42	19.27								
15	16QAM	75	0	19.29	19.42	19.27								
15	16QAM	75	0	19.29	19.42	19.27								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.41	22.47	22.37	24	0						
10	QPSK	1	25	22.27	22.34	22.35								
10	QPSK	1	49	22.18	22.25	22.19								
10	QPSK	25	0	21.32	21.41	21.46								
10	QPSK	25	12	21.28	21.38	21.27	23	1						
10	QPSK	25	25	21.26	21.39	21.33								
10	QPSK	50	0	21.30	21.35	21.24								
10	16QAM	1	0	21.40	21.63	21.47								
10	16QAM	1	25	21.56	21.58	21.51	23	1						
10	16QAM	1	49	21.50	21.62	21.48								
10	16QAM	25	0	20.32	20.42	20.32								
10	16QAM	25	12	20.42	20.59	20.37								
10	16QAM	25	25	20.35	20.55	20.34	22	2						
10	16QAM	50	0	20.19	20.38	20.37								
10	16QAM	50	0	20.19	20.38	20.37								
10	16QAM	50	0	20.19	20.38	20.34								
10	16QAM	1	25	20.64	20.71	20.62	22	2						
10	16QAM	1	49	20.43	20.47	20.44								
10	16QAM	25	0	19.45	19.48	19.33								
10	16QAM	25	12	19.45	19.49	19.31								
10	16QAM	25	25	19.41	19.48	19.32	21	3						
10	16QAM	50	0	19.45	19.50	19.32								
10	16QAM	50	0	19.45	19.50	19.32								
10	16QAM	50	0	19.45	19.50	19.32								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.40	22.43	22.39	24	0						
5	QPSK	1	12	22.31	22.45	22.32								
5	QPSK	1	24	22.16	22.35	22.16								
5	QPSK	12	0	21.33	21.49	21.43								
5	QPSK	12	7	21.38	21.35	21.30	23	1						
5	QPSK	12	13	21.23	21.44	21.33								
5	QPSK	25	0	21.28	21.35	21.26								
5	16QAM	1	0	21.48	21.62	21.55								
5	16QAM	1	12	21.60	21.65	21.57	23	1						
5	16QAM	1	24	21.52	21.61	21.44								
5	16QAM	12	0	20.35	20.38	20.37								
5	16QAM	12	7	20.38	20.46	20.36								
5	16QAM	25	0	20.18	20.38	20.34	22	2						
5	16QAM	25	0	20.18	20.38	20.34								
5	16QAM	25	0	20.18	20.38	20.34								
5	16QAM	25	0	20.18	20.38	20.34								
5	16QAM	1	12	20.70	20.68	20.71	22	2						
5	16QAM	1	24	20.41	20.48	20.40								
5	16QAM	12	0	19.21	19.28	19.24								
5	16QAM	12	7	19.43	19.37	19.30								
5	16QAM	12	13	19.45	19.50	19.32	21	3						
5	16QAM	25	0	19.24	19.42	19.16								
5	16QAM	25	0	19.24	19.42	19.16								
5	16QAM	25	0	19.24	19.42	19.16								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.37	22.38	22.31	24	0						
3	QPSK	1	6	22.31	22.31	22.26								
3	QPSK	1	12	22.13	22.35	22.18								
3	QPSK	8	0	21.42	21.41	21.46								
3	QPSK	8	4	21.29	21.36	21.24	23	1						
3	QPSK	8	7	21.34	21.31	21.38								
3	QPSK	15	0	21.33	21.34	21.20								
3	16QAM	1	0	21.38	21.60	21.34								
3	16QAM	1	12	21.62	21.60	21.53	23	1						
3	16QAM	1	14	21.56	21.60	21.51								
3	16QAM	8	0	20.39	20.39	20.32								
3	16QAM	8	4	20.43	20.41	20.36								
3	16QAM	8	7	20.29	20.50	20.29	22	2						
3	16QAM	15	0	20.33	20.38	20.30								
3	16QAM	1	0	20.42	20.42	20.52								
3	16QAM	1	12	20.58	20.71	20.70								
3	16QAM	1	14	20.58	20.71	20.70	22	2						
3	16QAM	8	0	19.26	19.34	19.23								
3	16QAM	8	4	19.48	19.43	19.33								
3	16QAM	8	7	19.48	19.43	19.33								
3	16QAM	15	0	19.23	19.38	19.28	21	3						
3	16QAM	15	0	19.23	19.38	19.28								
3	16QAM	15	0	19.23	19.38	19.28								
3	16QAM	15	0	19.23	19.38	19.28								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.44	22.41	22.35	24	0						
1.4	QPSK	1	3	22.25	22.38	22.28								
1.4	QPSK	1	7	22.17	22.32	22.14								
1.4	QPSK	3	0	22.35	22.45	22.44								
1.4	QPSK	3	1	22.34	22.35	22.26	23	1						
1.4	QPSK	3	3	22.27	22.45	22.28								
1.4	QPSK	6	0	21.51	21.57	21.25								
1.4	16QAM	1	0	21.49	21.56	21.55								
1.4	16QAM	1	3	21.45	21.52	21.51	23	1						
1.4	16QAM	1	7	21.41	21.53	21.48								
1.4	16QAM	3	0	21.48	21.50	21.37								
1.4	16QAM	3	1	20.26	20.42	20.31								
1.4	16QAM	3	3	20.43	20.47	20.40	22	2						
1.4	16QAM	6	0	20.70	20.72	20.65								
1.4	16QAM	1	5	20.43	20.62	20.48								
1.4	16QAM	1	7	20.52	20.61	20.51								
1.4	16QAM	3	3	20.36	20.51	20.31	21	3						
1.4	16QAM	3	1	20.36	20.51	20.31								
1.4	16QAM	3	1	20.36	20.51	20.31								
1.4	16QAM	3	1	20.36	20.51	20.31								
1.4	16QAM	3	1	20.36	20.51	20.31								
1.4	16QAM	3	1	20.36	20.51	20.31								

Band 13 Ant0 DSI2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.72	782	782.5	24	0				
15	QPSK	1	25	22.82	782	782.5						
15	QPSK	1	49	22.85	782	782.5						
15	QPSK	25	0	21.64	782	782.5	23	1				
15	QPSK	25	12	21.59	782	782.5						
15	QPSK	25	25	21.56	782	782.5						
15	QPSK	50	0	21.61	782	782.5	23	1				
15	16QAM	1	0	21.88	782	782.5						
15	16QAM	1	25	21.84	782	782.5						
15	16QAM	1	49	21.85	782	782.5	22	2				
15	16QAM	25	0	20.94	782	782.5						
15	16QAM	25	12	20.99	782	782.5						
15	16QAM	25	25	20.96	782	782.5	21	3				
15	16QAM	50	0	20.99	782	782.5						
15	16QAM	50	0	20.74	782	782.5						
15	16QAM	1	25	20.82	782	782.5	22	2				
15	16QAM	1	49	20.75	782	782.5						
15	16QAM	25	0	19.95	782	782.5						
15	16QAM	25	12	19.92	782	782.5	21	3				
15	16QAM	25	25	19.97	782	782.5						
15	16QAM	50	0	19.95	782	782.5						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.60	779.5	784.5	24	0				
5	QPSK	1	12	22.50	779.5	784.5						
5	QPSK	1	24	22.44	779.5	784.5						
5	QPSK	12	0	21.40	779.5	784.5	23	1				
5	QPSK	12	7	21.33	779.5	784.5						
5	QPSK	12	13	21.48	779.5	784.5						
5	QPSK	25	0	21.47	779.5	784.5	23	1				
5	16QAM	1	0	21.69	779.5	784.5						
5	16QAM	1	12	21.06	779.5	784.5						
5	16QAM	1	24	21.55	779.5	784.5	22	2				
5	16QAM	12	0	20.95	779.5	784.5						
5	16QAM	12	7	20.90	779.5	784.5						
5	16QAM	12	13	20.96	779.5	784.5	22	2				
5	16QAM	25	0	20.99	779.5	784.5						
5	16QAM	25	0	20.87	779.5	784.5						
5	16QAM	1	12	20.68	779.5	784.5	21	3				
5	16QAM	1	24	20.63	779.5	784.5						
5	16QAM	12	0	19.44	779.5	784.5						
5	16QAM	12	7	19.46	779.5	784.5	21	3				
5	16QAM	12	13	19.43	779.5	784.5						
5	16QAM	25	0	19.44	779.5	784.5						

Band 26 Ant0 DSI2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.59	811.5	811.5	24	0				
15	QPSK	1	37	22.49	811.5	811.5						
15	QPSK	1	74	22.44	811.5	811.5						
15	QPSK	36	0	21.59	811.5	811.5	23	1				
15	QPSK	36	20	21.55	811.5	811.5						
15	QPSK	36	39	21.45	811.5	811.5						
15	QPSK	75	0	21.53	811.5	811.5	23	1				
15	16QAM	1	0	21.59	811.5	811.5						
15	16QAM	1	37	21.79	811.5	811.5						
15	16QAM	1	74	21.72	811.5	811.5	22	2				
15	16QAM	36	0	20.58	811.5	811.5						
15	16QAM	36	20	20.56	811.5	811.5						
15	16QAM	36	39	20.54	811.5	811.5	21	3				
15	16QAM	75	0	20.53	811.5	811.5						
15	16QAM	1	0	20.67	811.5	811.5						
15	16QAM	1	37	20.63	811.5	811.5	22	2				
15	16QAM	1	74	20.51	811.5	811.5						
15	16QAM	36	0	19.51	811.5	811.5						
15	16QAM	36	20	19.51	811.5	811.5	21	3				
15	16QAM	36	39	19.45	811.5	811.5						
15	16QAM	75	0	19.49	811.5	811.5						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.52	811.5	811.5	24	0				
10	QPSK	1	25	22.37	811.5	811.5						
10	QPSK	1	49	22.31	811.5	811.5						
10	QPSK	25	0	21.52	811.5	811.5	23	1				
10	QPSK	25	12	21.41	811.5	811.5						
10	QPSK	25	25	21.37	811.5	811.5						
10	QPSK	50	0	21.47	811.5	811.5	23	1				
10	16QAM	1	0	21.55	811.5	811.5						
10	16QAM	1	25	21.75	811.5	811.5						
10	16QAM	1	49	21.68	811.5	811.5	22	2				
10	16QAM	25	0	20.51	811.5	811.5						
10	16QAM	25	12	20.50	811.5	811.5						
10	16QAM	25	25	20.43	811.5	811.5	22	2				
10	16QAM	50	0	20.47	811.5	811.5						
10	16QAM	50	0	20.39	811.5	811.5						
10	16QAM	1	25	20.53	811.5	811.5	21	3				
10	16QAM	1	49	20.47	811.5	811.5						
10	16QAM	25	0	19.48	811.5	811.5						
10	16QAM	25	12	19.38	811.5	811.5	21	3				
10	16QAM	25	25	19.45	811.5	811.5						
10	16QAM	50	0	19.40	811.5	811.5						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.50	811.5	811.5	24	0				
5	QPSK	1	12	22.36	811.5	811.5						
5	QPSK	1	24	22.31	811.5	811.5						
5	QPSK	12	0	21.50	811.5	811.5	23	1				
5	QPSK	12	7	21.46	811.5	811.5						
5	QPSK	12	13	21.53	811.5	811.5						
5	QPSK	25	0	21.41	811.5	811.5	23	1				
5	16QAM	1	0	21.56	811.5	811.5						
5	16QAM	1	12	21.71	811.5	811.5						
5	16QAM	1	24	21.68	811.5	811.5	22	2				
5	16QAM	12	0	20.47	811.5	811.5						
5	16QAM	12	7	20.45	811.5	811.5						
5	16QAM	12	13	20.44	811.5	811.5	22	2				
5	16QAM	25	0	20.41	811.5	811.5						
5	16QAM	25	0	20.39	811.5	811.5						
5	16QAM	1	12	20.54	811.5	811.5	22	2				
5	16QAM	1	24	20.42	811.5	811.5						
5	16QAM	12	0	19.40	811.5	811.5						
5	16QAM	12	7	19.45	811.5	811.5	21	3				
5	16QAM	12	13	19.42	811.5	811.5						
5	16QAM	25	0	19.33	811.5	811.5						
5	16QAM	25	0	19.33	811.5	811.5	21	3				
5	16QAM	50	0	19.33	811.5	811.5						
5	16QAM	50	0	19.33	811.5	811.5						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.48	811.5	811.5	24	0				
3	QPSK	1	8	22.35	811.5	811.5						
3	QPSK	1	14	22.36	811.5	811.5						
3	QPSK	8	0	21.44	811.5	811.5	23	1				
3	QPSK	8	4	21.44	811.5	811.5						
3	QPSK	8	7	21.40	811.5	811.5						
3	QPSK	15	0	21.49	811.5	811.5	23	1				
3	16QAM	1	0	21.58	811.5	811.5						
3	16QAM	1	8	21.74	811.5	811.5						
3	16QAM	1	14	21.59	811.5	811.5	23	1				
3	16QAM	15	0	20.49	811.5	811.5						
3	16QAM	8	4	20.47	811.5	811.5						
3	16QAM	8	7	20.41	811.5	811.5	22	2				
3	16QAM	15	0	20.48	811.5	811.5						
3	16QAM	1	0	20.83	811.5	811.5						
3	16QAM	1	8	20.90	811.5	811.5	22	2				
3	16QAM	1	14	20.90	811.5	811.5						
3	16QAM	8	4	19.44	811.5	811.5						
3	16QAM	8	7	19.37	811.5	811.5	21	3				
3	16QAM	15	0	19.48	811.5	811.5						
3	16QAM	15	0	19.47	811.5	811.5						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.49	811.5	811.5	24	0				
1.4	QPSK	1	3	22.41	811.5	811.5						
1.4	QPSK	1	6	22.40	811.5	811.5						
1.4	QPSK	3	0	22.48	811.5	811.5	23	1				
1.4	QPSK	3	3	22.40	811.5	811.5						
1.4	QPSK	3	6	21.42	811.5	811.5						
1.4	QPSK	6	0	21.42	811.5	811.5	23	1				
1.4	16QAM	1	0	21.46	811.5	811.5						
1.4	16QAM	1	3	21.79	811.5	811.5						
1.4	16QAM	1	6	21.83	811.5	811.5	23	1				
1.4	16QAM	3	0	21.47	811.5	811.5						
1.4	16QAM	3	3	21.62	811.5	811.5						
1.4	16QAM	3	6	21.48	811.5	811.5	22	2				
1.4	16QAM	6	0	20.44	811.5	811.5						
1.4	16QAM	6	3	20.58	811.5	811.5						
1.4	16QAM	1	3	20.54	811.5	811.5	22	2				
1.4	16QAM	1	6	20.46	811.5	811.5						
1.4	16QAM	3	0	19.51	811.5	811.5						
1.4	16QAM	3	3	19.47	811.5	811.5	21	3				
1.4	16QAM	3	6	19.37	811.5	811.5						
1.4	16QAM	6	0	19.33	811.5	811.5						

Band 7 Ant1 DS12											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		Tune-up limit (dbm)	MPR (db)
				Ch / Freq.	20850	Ch / Freq.	21100	Ch / Freq.	21350		
Channel				25050		2535		2560			
Frequency (MHz)											
20	QPSK	1	0	22.50	22.61	22.51				24	0
20	QPSK	1	49	22.48	22.56	22.49					
20	QPSK	1	99	22.32	22.46	22.41					
20	QPSK	50	0	21.63	21.68	21.57				23	1
20	QPSK	50	24	21.51	21.56	21.42					
20	QPSK	50	50	21.38	21.49	21.34					
20	QPSK	100	0	21.59	21.66	21.65				23	1
20	16QAM	1	0	21.61	21.71	21.67					
20	16QAM	1	49	21.69	21.78	21.74					
20	16QAM	1	99	21.58	21.66	21.62				22	2
20	16QAM	50	0	20.46	20.53	20.43					
20	16QAM	50	24	20.53	20.59	20.50					
20	16QAM	50	50	20.43	20.48	20.40				22	2
20	16QAM	100	0	20.37	20.49	20.43					
20	64QAM	1	0	20.59	20.68	20.56				22	2
20	64QAM	1	49	20.75	20.82	20.79					
20	64QAM	1	99	20.47	20.55	20.44					
20	64QAM	50	0	19.41	19.56	19.42				21	3
20	64QAM	50	24	19.49	19.61	19.55					
20	64QAM	50	50	19.48	19.53	19.45					
20	64QAM	100	0	19.40	19.50	19.40					
Channel				20825		21100		21375		Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2507.5		2535		2562.5			
15	QPSK	1	0	22.38	22.56	22.41				24	0
15	QPSK	1	37	22.34	22.46	22.35					
15	QPSK	1	74	22.27	22.35	22.27					
15	QPSK	36	0	21.49	21.54	21.53				23	1
15	QPSK	36	20	21.38	21.49	21.39					
15	QPSK	36	39	21.28	21.39	21.26					
15	QPSK	75	0	21.48	21.62	21.52				23	1
15	16QAM	1	0	21.57	21.67	21.53					
15	16QAM	1	37	21.55	21.73	21.60					
15	16QAM	1	74	21.55	21.59	21.56				22	2
15	16QAM	36	0	20.35	20.40	20.36					
15	16QAM	36	20	20.42	20.52	20.37					
15	16QAM	36	39	20.31	20.43	20.30				22	2
15	16QAM	75	0	20.32	20.38	20.28					
15	64QAM	1	0	20.44	20.63	20.52					
15	64QAM	1	37	20.72	20.73	20.75				22	2
15	64QAM	1	74	20.37	20.40	20.31					
15	64QAM	36	0	19.30	19.50	19.29					
15	64QAM	36	20	19.36	19.47	19.44				21	3
15	64QAM	36	39	19.43	19.49	19.40					
15	64QAM	75	0	19.29	19.37	19.29					
Channel				20920		21100		21400		Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2505		2535		2565			
10	QPSK	1	0	22.41	22.49	22.44				24	0
10	QPSK	1	25	22.34	22.50	22.45					
10	QPSK	1	49	22.24	22.43	22.33					
10	QPSK	25	0	21.56	21.51	21.52				23	1
10	QPSK	25	12	21.47	21.42	21.36					
10	QPSK	25	25	21.24	21.43	21.30					
10	QPSK	50	0	21.50	21.60	21.63				23	1
10	16QAM	1	0	21.48	21.57	21.63					
10	16QAM	1	25	21.57	21.74	21.70					
10	16QAM	1	49	21.48	21.53	21.55				22	2
10	16QAM	25	0	20.35	20.47	20.36					
10	16QAM	25	12	20.46	20.52	20.40					
10	16QAM	25	25	20.40	20.39	20.26				22	2
10	16QAM	50	0	20.29	20.42	20.35					
10	64QAM	1	0	20.53	20.61	20.47					
10	64QAM	1	25	20.66	20.72	20.68				22	2
10	64QAM	1	49	20.37	20.50	20.30					
10	64QAM	25	0	19.33	19.50	19.30					
10	64QAM	25	12	19.42	19.56	19.44				21	3
10	64QAM	25	25	19.39	19.44	19.39					
10	64QAM	50	0	19.27	19.46	19.29					
Channel				20775		21100		21425		Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2502.5		2535		2567.5			
5	QPSK	1	0	22.40	22.51	22.47				24	0
5	QPSK	1	12	22.42	22.42	22.35					
5	QPSK	1	24	22.19	22.36	22.31					
5	QPSK	12	0	21.52	21.60	21.50				23	1
5	QPSK	12	7	21.37	21.41	21.30					
5	QPSK	12	13	21.25	21.35	21.27					
5	QPSK	25	0	21.54	21.58	21.53				23	1
5	16QAM	1	0	21.51	21.68	21.61					
5	16QAM	1	12	21.56	21.73	21.60					
5	16QAM	1	24	21.51	21.57	21.56				22	2
5	16QAM	12	0	20.32	20.43	20.33					
5	16QAM	12	7	20.50	20.51	20.39					
5	16QAM	12	13	20.30	20.35	20.26				22	2
5	16QAM	25	0	20.23	20.36	20.33					
5	64QAM	1	1	20.55	20.62	20.52					
5	64QAM	1	12	20.66	20.69	20.68					
5	64QAM	1	24	20.40	20.47	20.32					
5	64QAM	12	0	19.27	19.47	19.34				21	3
5	64QAM	12	7	19.38	19.54	19.51					
5	64QAM	12	13	19.34	19.39	19.36					
5	64QAM	25	0	19.32	19.41	19.30					

Band 38 Ant1 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.72	22.85	22.78	23	1	
20	QPSK	1	49	22.77	22.83	22.74			
20	QPSK	1	99	22.84	22.88	22.83			
20	QPSK	50	0	21.70	21.84	21.82			
20	QPSK	50	24	21.77	21.80	21.72	23	1	
20	QPSK	50	50	21.60	21.71	21.67			
20	QPSK	100	0	21.70	21.83	21.77			
20	16QAM	1	0	21.76	21.83	21.80			
20	16QAM	1	49	21.87	22.00	21.92	23	1	
20	16QAM	1	99	21.62	21.76	21.66			
20	16QAM	50	0	20.76	20.83	20.78			
20	16QAM	50	24	20.81	20.86	20.76			
20	16QAM	50	50	20.63	20.73	20.66	22	2	
20	16QAM	100	0	20.71	20.82	20.74			
20	64QAM	1	0	20.28	20.39	20.33			
20	64QAM	1	49	20.50	20.59	20.48			
20	64QAM	1	99	20.24	20.32	20.26	22	2	
20	64QAM	50	0	19.78	19.86	19.78			
20	64QAM	50	24	19.60	19.87	19.79			
20	64QAM	50	50	19.63	19.76	19.63			
20	64QAM	100	0	19.74	19.84	19.75	21	3	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	0	22.60	22.75	22.74	24	0	
15	QPSK	1	37	22.67	22.68	22.71			
15	QPSK	1	74	22.57	22.59	22.59			
15	QPSK	36	0	21.57	21.80	21.72			
15	QPSK	36	20	21.67	21.69	21.58	23	1	
15	QPSK	36	39	21.56	21.59	21.59			
15	QPSK	75	0	21.60	21.76	21.65			
15	16QAM	1	0	21.82	21.89	21.68			
15	16QAM	1	37	21.81	21.91	21.78	23	1	
15	16QAM	1	74	21.50	21.70	21.61			
15	16QAM	36	0	20.71	20.72	20.70			
15	16QAM	36	20	20.73	20.77	20.67			
15	16QAM	36	39	20.58	20.63	20.53	22	2	
15	16QAM	75	0	20.67	20.70	20.63			
15	64QAM	1	0	20.20	20.30	20.30			
15	64QAM	1	37	20.35	20.45	20.38			
15	64QAM	1	74	20.13	20.29	20.19	22	2	
15	64QAM	36	0	19.71	19.79	19.68			
15	64QAM	36	20	19.74	19.73	19.69			
15	64QAM	36	39	19.53	19.70	19.54			
15	64QAM	75	0	19.68	19.72	19.61	21	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	0	22.58	22.76	22.66	24	0	
10	QPSK	1	25	22.63	22.76	22.63			
10	QPSK	1	49	22.58	22.61	22.56			
10	QPSK	25	0	21.55	21.79	21.76			
10	QPSK	25	12	21.63	21.69	21.68	23	1	
10	QPSK	25	25	21.50	21.61	21.54			
10	QPSK	50	0	21.59	21.72	21.62			
10	16QAM	1	0	21.71	21.69	21.74			
10	16QAM	1	25	21.81	21.90	21.85	23	1	
10	16QAM	1	49	21.56	21.73	21.52			
10	16QAM	25	0	20.70	20.75	20.66			
10	16QAM	25	12	20.77	20.74	20.62			
10	16QAM	25	25	20.50	20.63	20.62	22	2	
10	16QAM	50	0	20.65	20.69	20.63			
10	64QAM	1	0	20.19	20.26	20.19			
10	64QAM	1	25	20.39	20.46	20.43			
10	64QAM	1	49	20.09	20.20	20.13	22	2	
10	64QAM	25	0	19.72	19.74	19.69			
10	64QAM	25	12	19.75	19.77	19.66			
10	64QAM	25	25	19.51	19.70	19.49			
10	64QAM	50	0	19.59	19.71	19.70	21	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dbm)	MPR (dB)	
5	QPSK	1	0	22.60	22.82	22.84	24	0	
5	QPSK	1	12	22.67	22.77	22.66			
5	QPSK	1	24	22.59	22.58	22.56			
5	QPSK	12	0	21.60	21.79	21.69			
5	QPSK	12	7	21.62	21.72	21.60	23	1	
5	QPSK	12	13	21.56	21.58	21.55			
5	QPSK	25	0	21.55	21.78	21.67			
5	16QAM	1	0	21.73	21.74	21.67			
5	16QAM	1	12	21.84	21.92	21.81	23	1	
5	16QAM	1	24	21.55	21.65	21.56			
5	16QAM	12	0	20.65	20.71	20.71			
5	16QAM	12	7	20.75	20.76	20.72			
5	16QAM	12	13	20.51	20.66	20.62	22	2	
5	16QAM	25	0	20.65	20.76	20.61			
5	64QAM	1	0	20.14	20.34	20.28			
5	64QAM	1	12	20.36	20.51	20.41			
5	64QAM	1	24	20.19	20.20	20.15	22	2	
5	64QAM	12	0	19.66	19.82	19.74			
5	64QAM	12	7	19.69	19.77	19.70			
5	64QAM	12	13	19.58	19.70	19.53			
5	64QAM	25	0	19.66	19.73	19.70	21	3	

Band 41 Ant1 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40165	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.80	22.47	22.88	22.68	22.76	23	1
20	QPSK	1	49	22.64	22.71	22.76	22.72	22.72		
20	QPSK	1	99	22.55	22.54	22.67	22.36	22.63		
20	QPSK	50	0	21.59	21.49	21.78	21.66	21.76		
20	QPSK	50	24	21.57	21.60	21.72	21.61	21.69	23	1
20	QPSK	50	50	21.55	21.59	21.68	21.63	21.62		
20	QPSK	100	0	21.61	21.41	21.72	21.54	21.65		
20	16QAM	1	0	21.57	21.61	21.69	21.64	21.57		
20	16QAM	1	49	21.52	21.46	21.49	21.47	21.43	23	1
20	16QAM	1	99	21.69	21.73	21.79	21.76	21.74		
20	16QAM	50	0	20.64	20.65	20.69	20.62	20.61		
20	16QAM	50	24	20.67	20.71	20.79	20.64	20.74		
20	16QAM	50	50	20.64	20.68	20.73	20.67	20.69	22	2
20	16QAM	100	0	20.64	20.71	20.74	20.64	20.64		
20	64QAM	1	0	20.30	20.38	20.43	20.38	20.29		
20	64QAM	1	49	20.47	20.56	20.61	20.55	20.48		
20	64QAM	1	99	20.32	20.37	20.47	20.39	20.41	21	3
20	64QAM	50	0	19.57	19.66	19.71	19.61	19.63		
20	64QAM	50	24	19.75	19.74	19.81	19.72	19.78		
20	64QAM	50	50	19.67	19.63	19.75	19.66	19.72		
20	64QAM	100	0	19.65	19.63	19.77	19.68	19.72	24	0
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	0	22.51	22.35	22.80	22.58	22.68	24	0
15	QPSK	1	37	22.50	22.63	22.70	22.88	22.63		
15	QPSK	1	74	22.44	22.41	22.64	22.41	22.51		
15	QPSK	36	0	21.52	21.38	21.73	21.52	21.66		
15	QPSK	36	20	21.50	21.50	21.63	21.55	21.65	23	1
15	QPSK	36	39	21.50	21.48	21.54	21.50	21.50		
15	QPSK	75	0	21.56	21.35	21.63	21.43	21.58		
15	16QAM	1	0	21.50	21.55	21.57	21.59	21.53		
15	16QAM	1	37	21.47	21.34	21.37	21.34	21.29	23	1
15	16QAM	1	74	21.66	21.65	21.65	21.61	21.62		
15	16QAM	36	0	20.51	20.50	20.57	20.50	20.48		
15	16QAM	36	20	20.64	20.57	20.64	20.54	20.64		
15	16QAM	36	39	20.57	20.63	20.62	20.59	20.57	22	2
15	16QAM	75	0	20.56	20.67	20.66	20.58	20.60		
15	64QAM	1	0	20.19	20.33	20.39	20.31	20.17		
15	64QAM	1	37	20.34	20.45	20.51	20.40	20.43		
15	64QAM	1	74	20.25	20.33	20.35	20.27	20.26	22	2
15	64QAM	36	0	19.43	19.56	19.56	19.52	19.60		
15	64QAM	36	20	19.69	19.61	19.69	19.62	19.69		
15	64QAM	36	39	19.59	19.60	19.60	19.58	19.58		
15	64QAM	75	0	19.56	19.53	19.68	19.63	19.58	21	3
Channel				39750	40165	40620	41080	41490		
Frequency (MHz)				2503	2547	2591	2635	2679	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	0	22.47	22.40	22.74	22.61	22.65	24	0
10	QPSK	1	25	22.52	22.57	22.64	22.58	22.64		
10	QPSK	1	49	22.50	22.40	22.59	22.46	22.50		
10	QPSK	25	0	21.45	21.37	21.75	21.58	21.63		
10	QPSK	25	12	21.45	21.52	21.65	21.48	21.57	23	1
10	QPSK	25	25	21.46	21.52	21.55	21.55	21.53		
10	QPSK	50	0	21.49	21.35	21.66	21.49	21.54		
10	16QAM	1	0	21.50	21.54	21.65	21.51	21.49		
10	16QAM	1	25	21.48	21.37	21.41	21.42	21.41	23	1
10	16QAM	1	49	21.60	21.62	21.75	21.61	21.62		
10	16QAM	25	0	20.55	20.57	20.56	20.55	20.58		
10	16QAM	25	12	20.56	20.67	20.69	20.58	20.60		
10	16QAM	25	25	20.60	20.57	20.63	20.60	20.60	22	2
10	16QAM	50	0	20.61	20.66	20.70	20.58	20.54		
10	64QAM	1	0	20.27	20.23	20.30	20.32	20.16		
10	64QAM	1	25	20.41	20.49	20.55	20.49	20.43		
10	64QAM	1	49	20.29	20.30	20.33	20.29	20.37	22	2
10	64QAM	25	0	19.43	19.54	19.64	19.55	19.60		
10	64QAM	25	12	19.62	19.68	19.73	19.65	19.74		
10	64QAM	25	25	19.56	19.53	19.69	19.62	19.62		
10	64QAM	50	0	19.59	19.53	19.65	19.64	19.64	21	3
Channel				39675	40148	40620	41093	41595		
Frequency (MHz)				2498.5	2544.5	2593	2640.30	2687.5	Tune-up limit (dbm)	MPR (db)
5	QPSK	1	0	22.51	22.43	22.85	22.55	22.67	24	0
5	QPSK	1	12	22.59	22.65	22.72	22.66	22.68		
5	QPSK	1	24	22.51	22.43	22.65	22.43	22.51		
5	QPSK	12	0	21.56	21.44	21.64	21.60	21.67		
5	QPSK	12	7	21.49	21.53	21.57	21.58	21.54	23	1
5	QPSK	12	13	21.45	21.46	21.63	21.52	21.50		
5	QPSK	25	0	21.46	21.28	21.59	21.49	21.55		
5	16QAM	1	0	21.49	21.20	21.61	21.50	21.48		
5	16QAM	12	0	21.56	21.42	21.41	21.37	21.31	23	1
5	16QAM	1	24	21.66	21.70	21.68	21.66	21.67		
5	16QAM	12	0	20.56	20.55	20.58	20.51	20.48		
5	16QAM	12	7	20.62	20.63	20.73	20.57	20.62		
5	16QAM	12	13	20.50	20.55	20.65	20.60	20.56	22	2
5	16QAM	25	0	20.59	20.57	20.65	20.52	20.53		
5	64QAM	1	0	20.26	20.32	20.37	20.26	20.19		
5	64QAM	1	12	20.37	20.48	20.54	20.51	20.45		
5	64QAM	1	24	20.23	20.29	20.35	20.25	20.36	22	2
5	64QAM	12	0	19.46	19.61	19.62	19.48	19.59		
5	64QAM	12	7	19.68	19.68	19.76	19.61	19.64		
5	64QAM	12	13	19.56	19.58	19.68	19.53	19.64		
5	64QAM	25	0	19.58	19.54	19.70	19.55	19.58	21	3

Reduced Power Mode for DSI 3

		GSM850 AnH0 DSI3							
GSM850		Burst-Average Power (dBm)			Frame-Average Power (dBm)				
TX Channel		128	189	251	Tune-up Limit	128	189	251	Tune-up Limit
Frequency (MHz)		824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot		30.94	31.07	30.89	32.00	21.94	22.07	21.89	23.00
GPRS 1 Tx slot		30.83	31.03	30.83	32.00	21.83	22.03	21.81	23.00
GPRS 2 Tx slots		28.22	28.35	28.27	29.50	22.22	22.35	22.27	23.50
GPRS 3 Tx slots		26.04	26.28	26.07	27.50	21.78	22.02	21.81	23.24
GPRS 4 Tx slots		24.34	24.44	24.31	25.50	21.35	21.44	21.31	22.50
EDGE 1 Tx slot		24.20	24.42	24.31	26.00	15.20	15.42	15.31	17.24
EDGE 2 Tx slots		22.52	22.60	22.54	24.00	16.52	16.60	16.54	18.00
EDGE 3 Tx slots		20.59	20.81	20.89	22.00	16.33	16.55	16.63	17.50
EDGE 4 Tx slots		18.72	18.85	18.72	20.00	15.72	15.85	15.72	17.20

		GSM1900 AnH0 DSI3							
GSM1900		Burst-Average Power (dBm)			Time-up	Frame-Average Power (dBm)			Time-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8	(dBm)
GSM 1 Tx slot		25.23	25.42	25.22	27.00	16.23	16.42	16.22	18.00
GPRS 1 Tx slot		25.17	25.31	25.13	27.00	16.17	16.31	16.13	18.00
GPRS 2 Tx slots		23.13	23.33	23.32	24.50	17.13	17.33	17.32	18.50
GPRS 3 Tx slots		21.28	21.29	21.19	22.00	17.00	17.00	16.93	17.50
GPRS 4 Tx slots		19.14	19.22	19.10	20.50	16.14	16.22	16.10	17.50
EDGE 1 Tx slot		21.96	22.01	21.87	23.00	12.96	13.01	12.87	14.00
EDGE 2 Tx slots		18.68	18.82	18.80	20.00	12.68	12.82	12.80	14.00
EDGE 3 Tx slots		17.73	17.78	17.71	19.00	13.47	13.52	13.45	14.00
EDGE 4 Tx slots		15.88	15.90	15.76	17.00	12.68	12.90	12.78	14.00

WCDMA 8 AnH0 DSI3																
Band		WCDMA 8				WCDMA 4V				WCDMA 4V						
TX Channel		9362	9400	9538	Tune-up Limit		1312	1413	1513	Tune-up Limit		4132	4162	4233	Tune-up Limit	
Rx Channel		9662	9600	9598	(dBm)		1357	1638	1738	(dBm)		4537	4467	4456	(dBm)	
Frequency (MHz)		1862.4	1860	1907.6			1712.4	1813	1913			4132.4	4162	4233		
3GPP Rel 99	AMR 12.2kbps	18.47	18.51	18.32	19.50	14.99	15.12	15.15	16.50	21.98	22.16	22.04	23.50			
3GPP Rel 99	RM-C 12.2kbps	18.53	18.60	18.42	19.50	15.03	15.25	15.16	16.50	22.10	22.23	22.14	23.50			
3GPP Rel 6	HS-DSPPA Subtest-1	17.58	17.50	17.41	18.50	14.30	14.26	14.33	15.50	21.25	21.35	21.13	22.50			
3GPP Rel 6	HS-DSPPA Subtest-2	17.71	17.70	17.70	18.50	14.07	14.29	14.14	15.50	21.06	21.10	21.28	22.50			
3GPP Rel 6	HS-DSPPA Subtest-3	16.81	16.84	16.96	18.00	13.63	13.93	13.54	15.00	20.46	20.71	20.59	22.00			
3GPP Rel 6	HS-DSPPA Subtest-4	16.86	16.88	16.83	18.00	13.67	13.57	13.59	15.00	20.53	20.58	20.36	22.00			
3GPP Rel 8	DC-HS-DSPPA Subtest-1	17.48	17.61	17.34	18.50	14.28	14.39	14.14	15.50	20.95	21.02	21.05	22.50			
3GPP Rel 8	DC-HS-DSPPA Subtest-2	17.40	17.20	17.44	18.50	14.26	14.17	14.56	15.50	20.98	21.07	21.10	22.50			
3GPP Rel 8	DC-HS-DSPPA Subtest-3	16.87	16.70	16.87	18.00	13.44	13.82	13.75	15.00	20.22	20.68	20.58	22.00			
3GPP Rel 8	DC-HS-DSPPA Subtest-4	16.96	17.01	17.30	18.00	13.59	13.81	13.84	15.00	20.30	20.59	20.36	22.00			
3GPP Rel 6	HS-UPA Subtest-1	17.33	17.49	17.60	18.50	14.32	14.32	14.48	15.50	21.08	21.12	21.04	22.50			
3GPP Rel 6	HS-UPA Subtest-2	15.39	15.50	15.24	16.50	12.19	12.39	12.10	13.50	19.17	19.28	19.21	20.50			
3GPP Rel 6	HS-UPA Subtest-3	16.62	16.65	16.44	17.50	13.09	13.35	13.32	14.50	19.62	20.25	20.00	21.50			
3GPP Rel 6	HS-UPA Subtest-4	15.36	15.27	15.16	16.50	12.20	12.12	12.36	13.50	19.12	19.07	19.09	20.50			
3GPP Rel 6	HS-UPA Subtest-5	17.59	17.44	17.27	18.50	14.33	14.57	14.34	15.50	21.10	21.19	21.07	22.50			
3GPP Rel 7	HS-PA+ (16QAM) Subtest-1	14.92	15.09	14.91	16.00	11.93	12.01	11.85	13.00	18.71	18.88	18.64	20.00			



Band 2 Ant0 DSI3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turn-up init (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.42	17.57	17.40			19	0		
20	QPSK	1	49	17.42	17.58	17.44						
20	QPSK	1	99	17.50	17.58	17.47						
20	QPSK	50	0	17.46	17.55	17.49						
20	QPSK	50	24	17.42	17.55	17.51						
20	QPSK	50	50	17.45	17.59	17.42						
20	QPSK	100	0	17.50	17.54	17.47			19	0		
20	QPSK	100	0	17.48	17.59	17.47						
20	16QAM	1	49	17.47	17.59	17.46						
20	16QAM	50	99	17.43	17.51	17.45						
20	16QAM	50	0	17.50	17.55	17.50						
20	16QAM	50	24	17.44	17.47	17.37						
20	16QAM	50	50	17.48	17.52	17.50						
20	16QAM	100	0	17.41	17.45	17.35						
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.33	17.46	17.32			19	0		
15	QPSK	1	37	17.24	17.35	17.32						
15	QPSK	1	74	17.42	17.44	17.41						
15	QPSK	36	0	17.38	17.48	17.41			19	0		
15	QPSK	36	20	17.48	17.45	17.41						
15	QPSK	36	39	17.37	17.45	17.35						
15	QPSK	75	0	17.38	17.42	17.35			19	0		
15	16QAM	1	0	17.38	17.45	17.37						
15	16QAM	1	74	17.42	17.50	17.41						
15	16QAM	1	74	17.38	17.46	17.41			19	0		
15	16QAM	36	0	17.43	17.42	17.37						
15	16QAM	36	39	17.37	17.45	17.35						
15	16QAM	36	39	17.44	17.48	17.47			19	0		
15	16QAM	75	0	17.38	17.46	17.36						
15	16QAM	75	0	17.42	17.50	17.39						
15	16QAM	1	1	17.23	17.36	17.29			19	0		
15	64QAM	1	37	17.38	17.46	17.36						
15	64QAM	1	74	17.42	17.44	17.41						
15	64QAM	36	0	17.33	17.43	17.46			19	0		
15	64QAM	36	20	17.38	17.35	17.35						
15	64QAM	75	0	17.35	17.40	17.22						
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.20	17.47	17.35			19	0		
10	QPSK	1	25	17.29	17.49	17.40						
10	QPSK	1	49	17.45	17.50	17.40			19	0		
10	QPSK	25	0	17.32	17.46	17.34						
10	QPSK	25	12	17.42	17.51	17.47			19	0		
10	QPSK	25	25	17.40	17.50	17.45						
10	QPSK	50	0	17.42	17.46	17.34			19	0		
10	16QAM	1	0	17.34	17.47	17.37						
10	16QAM	25	17.41	17.50	17.35			19	0			
10	16QAM	25	0	17.37	17.41	17.43						
10	16QAM	50	0	17.35	17.46	17.36			19	0		
10	16QAM	50	24	17.36	17.48	17.42						
10	16QAM	50	0	17.31	17.46	17.35			19	0		
10	16QAM	50	24	17.32	17.45	17.39						
10	16QAM	12	7	17.37	17.41	17.24			19	0		
10	16QAM	12	7	17.37	17.41	17.24						
10	16QAM	25	0	17.41	17.47	17.29			19	0		
10	64QAM	1	0	17.20	17.37	17.31						
10	64QAM	1	6	17.35	17.42	17.30			19	0		
10	64QAM	1	24	17.37	17.42	17.42						
10	64QAM	12	0	17.31	17.46	17.44			19	0		
10	64QAM	12	0	17.34	17.45	17.45						
10	64QAM	25	13	17.30	17.42	17.27			19	0		
10	64QAM	25	0	17.37	17.35	17.27						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.29	17.43	17.30			19	0		
1.4	QPSK	1	8	17.30	17.38	17.30						
1.4	QPSK	1	8	17.31	17.39	17.31			19	0		
1.4	QPSK	3	1	17.40	17.44	17.44						
1.4	QPSK	3	8	17.44	17.41	17.36			19	0		
1.4	QPSK	3	8	17.45	17.43	17.38						
1.4	QPSK	16	0	17.35	17.41	17.35			19	0		
1.4	16QAM	1	0	17.35	17.42	17.37						
1.4	16QAM	3	0	17.42	17.41	17.39			19	0		
1.4	16QAM	3	1	17.42	17.41	17.39						
1.4	16QAM	1	14	17.32	17.46	17.41			19	0		
1.4	16QAM	3	0	17.43	17.42	17.36						
1.4	16QAM	3	1	17.43	17.42	17.36			19	0		
1.4	16QAM	8	7	17.38	17.52	17.46						
1.4	16QAM	16	0	17.35	17.44	17.33			19	0		
1.4	16QAM	16	0	17.38	17.41	17.28						
1.4	16QAM	1	8	17.29	17.39	17.30			19	0		
1.4	16QAM	1	14	17.45	17.50	17.40						
1.4	16QAM	3	0	17.38	17.47	17.41			19	0		
1.4	16QAM	3	1	17.39	17.46	17.40						
1.4	16QAM	8	4	17.35	17.45	17.31			19	0		
1.4	16QAM	8	7	17.37	17.45	17.37						
1.4	16QAM	16	0	17.31	17.39	17.31			19	0		
1.4	16QAM	16	0	17.31	17.39	17.31						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.33	17.49	17.32			19	0		
1.4	QPSK	1	3	17.33	17.43	17.32						
1.4	QPSK	1	3	17.36	17.42	17.41			19	0		
1.4	QPSK	3	1	17.43	17.47	17.48						
1.4	QPSK	3	3	17.45	17.49	17.47			19	0		
1.4	QPSK	6	0	17.45	17.50	17.38						
1.4	16QAM	1	0	17.32	17.41	17.42			19	0		
1.4	16QAM	1	5	17.40	17.45	17.42						
1.4	16QAM	3	0	17.43	17.45	17.42			19	0		
1.4	16QAM	3	3	17.41	17.49	17.44						
1.4	16QAM	3	3	17.38	17.47	17.46			19	0		
1.4	16QAM	6	0	17.38	17.47	17.46						
1.4	16QAM	1	0	17.23	17.43	17.27			19	0		
1.4	64QAM	1	5	17.37	17.46	17.41						
1.4	64QAM	3	0	17.36	17.50	17.43			19	0		
1.4	64QAM	3	1	17.30	17.49	17.40						
1.4	64QAM	3	3	17.39	17.48	17.27			19	0		
1.4	64QAM	6	0	17.35	17.35	17.24						

Band 4 Ant0 DSI3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Hsp Ch / Freq	Power Hsp Ch / Freq	Turnup init (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	14.91	14.98	14.87			16.5	0		
20	QPSK	1	49	14.77	14.86	14.78						
20	QPSK	1	99	14.92	14.95	14.92			16.5	0		
20	QPSK	50	0	14.91	14.95	14.85						
20	QPSK	50	24	14.83	14.93	14.81			16.5	0		
20	QPSK	50	50	14.86	14.93	14.88						
20	QPSK	100	0	14.89	14.92	14.87			16.5	0		
20	QPSK	100	0	14.87	14.93	14.88						
20	16QAM	1	49	14.85	14.93	14.87			16.5	0		
20	16QAM	1	99	14.77	14.88	14.82						
20	16QAM	1	99	14.85	14.94	14.84			16.5	0		
20	16QAM	50	24	14.86	14.90	14.83						
20	16QAM	50	50	14.87	14.91	14.86			16.5	0		
20	16QAM	100	0	14.91	14.99	14.92						
20	64QAM	1	0	14.79	14.88	14.83			16.5	0		
20	64QAM	1	49	14.92	14.89	14.81						
20	64QAM	1	99	14.84	14.82	14.80			16.5	0		
20	64QAM	50	0	14.84	14.89	14.84						
20	64QAM	50	24	14.81	14.89	14.78			16.5	0		
20	64QAM	50	50	14.90	14.87	14.80						
20	64QAM	100	0	14.83	14.89	14.78						
Channel												
Frequency (MHz)												
15	QPSK	1	0	14.76	14.86	14.83			16.5	0		
15	QPSK	1	37	14.64	14.75	14.65						
15	QPSK	1	74	14.84	14.82	14.80			16.5	0		
15	QPSK	36	0	14.78	14.88	14.71						
15	QPSK	36	20	14.69	14.80	14.69			16.5	0		
15	QPSK	36	39	14.76	14.87	14.75						
15	QPSK	75	0	14.77	14.85	14.80			16.5	0		
15	16QAM	1	0	14.80	14.87	14.73						
15	16QAM	1	37	14.73	14.80	14.74			16.5	0		
15	16QAM	1	74	14.73	14.78	14.73						
15	16QAM	1	74	14.73	14.78	14.73			16.5	0		
15	16QAM	36	20	14.76	14.79	14.71						
15	16QAM	36	39	14.80	14.84	14.77			16.5	0		
15	16QAM	75	0	14.78	14.88	14.80						
15	64QAM	1	0	14.71	14.78	14.76			16.5	0		
15	64QAM	1	37	14.76	14.74	14.68						
15	64QAM	1	37	14.76	14.74	14.68			16.5	0		
15	64QAM	36	20	14.73	14.76	14.72						
15	64QAM	36	39	14.77	14.82	14.70			16.5	0		
15	64QAM	75	0	14.79	14.85	14.69						
Channel												
Frequency (MHz)												
10	QPSK	1	0	14.82	14.86	14.80					16.5	0
10	QPSK	1	25	14.72	14.71	14.64						
10	QPSK	1	25	14.85	14.82	14.74			16.5	0		
10	QPSK	25	12	14.81	14.83	14.74						
10	QPSK	25	12	14.79	14.80	14.72			16.5	0		
10	QPSK	50	0	14.79	14.86	14.79						
10	QPSK	50	0	14.92	14.88	14.80			16.5	0		
10	QPSK	50	24	14.84	14.82	14.80						
10	16QAM	1	49	14.84	14.75	14.69			16.5	0		
10	16QAM	1	99	14.76	14.83	14.78						
10	16QAM	1	99	14.84	14.82	14.80			16.5	0		
10	16QAM	25	12	14.78	14.87	14.80						
10	16QAM	25	12	14.78	14.87	14.80			16.5	0		
10	16QAM	50	25	14.81	14.77	14.74						
10	16QAM	50	25	14.80	14.83	14.80			16.5	0		
10	16QAM	1	0	14.76	14.77	14.74						
10	16QAM	1	25	14.77	14.83	14.87			16.5	0		
10	16QAM	1	25	14.85	14.82	14.74						
10	16QAM	25	12	14.81	14.84	14.71			16.5	0		
10	16QAM	25	12	14.71	14.77	14.75						
10	16QAM	25	12	14.71	14.77	14.75			16.5	0		
10	16QAM	50	0	14.75	14.80	14.67						
Channel												
Frequency (MHz)												
5	QPSK	1	0	14.81	14.83	14.83			16.5	0		
5	QPSK	1	12	14.66	14.74	14.61						
5	QPSK	1	12	14.76	14.81	14.74			16.5	0		
5	QPSK	12	0	14.87	14.86	14.81						
5	QPSK	12	7	14.70	14.75	14.73			16.5	0		
5	QPSK	12	7	14.75	14.80	14.74						
5	QPSK	25	0	14.79	14.79	14.79			16.5	0		
5	QPSK	1	0	14.70	14.80	14.80						
5	QPSK	1	0	14.79	14.89	14.89			16.5	0		
5	QPSK	12	0	14.83	14.83	14.83						
5	16QAM	1	24	14.69	14.85	14.75			16.5	0		
5	16QAM	1	24	14.80	14.89	14.78						
5	16QAM	12	0	14.79	14.83	14.79			16.5	0		
5	16QAM	12	0	14.81	14.85	14.72						
5	16QAM	1	12	14.66	14.64	14.66			16.5	0		
5	16QAM	1	12	14.76	14.76	14.77						
5	16QAM	12	24	14.80	14.83	14.75			16.5	0		
5	16QAM	12	7	14.68	14.77	14.68						
5	16QAM	12	7	14.70	14.80	14.80			16.5	0		
5	16QAM	25	0	14.77	14.80	14.68						
Channel												
Frequency (MHz)												
3	QPSK	1	0	14.78	14.91	14.87			16.5	0		
3	QPSK	1	8	14.68	14.78	14.72						
3	QPSK	1	8	14.76	14.81	14.74			16.5	0		
3	QPSK	8	0	14.82	14.83	14.74						
3	QPSK	8	4	14.76	14.78	14.72			16.5	0		
3	QPSK	8	4	14.74	14.80	14.78						
3	QPSK	16	0	14.88	14.85	14.75			16.5	0		
3	16QAM	1	0	14.71	14.79	14.80						
3	16QAM	1	8	14.81	14.81	14.81			16.5	0		
3	16QAM	1	14	14.66	14.83	14.75						
3	16QAM	8	0	14.81	14.80	14.74			16.5	0		
3	16QAM	8	4	14.79	14.79	14.79						
3	16QAM	8	7	14.80	14.79	14.78			16.5	0		
3	16QAM	16	0	14.77	14.80	14.78						
3	16QAM	1	14	14.78	14.77	14.71			16.5	0		
3	16QAM	1	14	14.74	14.80	14.74						
3	16QAM	8	4	14.73	14.81	14.65			16.5	0		
3	16QAM	8	7	14.75	14.80	14.75						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	14.69	14.71	14.64			16.5	0		
1.4	QPSK	1	3	14.72	14.73	14.69						
1.4	QPSK	1	3	14.73	14.73	14.70			16.5	0		
1.4	QPSK	1	3	14.80	14.84	14.79						
1.4	QPSK	1	3	14.84	14.83	14.80			16.5	0		
1.4	QPSK	1	3	14.76	14.79	14.76						
1.4	QPSK	1	3	14.79	14.79	14.79			16.5	0		
1.4	QPSK	6	0	14.76	14.79	14.72						
1.4	QPSK	1	0	14.76	14.80	14.75			16.5	0		
1.4	QPSK	1	3	14.77	14.77	14.77						
1.4	16QAM	1	3	14.72	14.84	14.76			16.5	0		
1.4	16QAM	1	3	14.74	14.85	14.74						
1.4	16QAM	3	0	14.76	14.80	14.76			16.5	0		
1.4	16QAM	3	0	14.80	14.82	14.75						
1.4	16QAM	6	0	14.87	14.86	14.80			16.5	0		
1.4	16QAM	6	0	14.87	14.81	14.75						
1.4	16QAM	1	3	14.73	14.74	14.77			16.5	0		
1.4	16QAM	1	3	14.79	14.88	14.86						
1.4	16QAM	1	3	14.82	14.82	14.72			16.5	0		
1.4	16QAM	1	3	14.74	14.75	14.69						
1.4	64QAM	3	0	14.78	14.88	14.77			16.5	0		
1.4	64QAM	3	0	14.74	14.84	14.74						

Band 13 Ant0 DSI3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power MaxCh Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.68	22.72	22.68	24	0				
15	QPSK	1	24	22.54	22.62	22.48						
15	QPSK	1	48	22.51	22.65	22.58						
15	QPSK	25	0	21.62	21.64	21.61						
15	QPSK	25	12	21.44	21.59	21.49	23	1				
15	QPSK	25	25	21.52	21.56	21.48						
15	QPSK	50	0	21.57	21.61	21.53						
15	16QAM	1	0	21.79	21.88	21.83						
15	16QAM	1	24	21.71	21.84	21.79	23	1				
15	16QAM	1	48	21.67	21.80	21.71						
15	16QAM	25	0	20.59	20.64	20.55						
15	16QAM	25	12	20.60	20.69	20.63						
15	16QAM	25	25	20.42	20.58	20.52	22	2				
15	16QAM	50	0	20.46	20.59	20.53						
15	64QAM	1	0	20.70	20.74	20.69						
15	64QAM	1	24	20.76	20.82	20.72						
15	64QAM	1	48	20.72	20.78	20.71	22	2				
15	64QAM	25	0	19.51	19.59	19.59						
15	64QAM	25	12	19.57	19.62	19.56						
15	64QAM	25	25	19.50	19.57	19.48						
15	64QAM	50	0	19.50	19.59	19.52	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.60	22.67	22.65				24	0	
5	QPSK	1	12	22.50	22.48	22.40						
5	QPSK	1	24	22.44	22.52	22.45						
5	QPSK	12	0	21.40	21.54	21.52						
5	QPSK	12	7	21.33	21.50	21.34	23	1				
5	QPSK	12	13	21.48	21.48	21.36						
5	QPSK	25	0	21.47	21.57	21.43						
5	16QAM	1	0	21.69	21.80	21.73						
5	16QAM	1	12	21.08	21.77	21.60	23	1				
5	16QAM	1	24	21.55	21.70	21.58						
5	16QAM	12	0	20.55	20.58	20.48						
5	16QAM	12	7	20.50	20.59	20.57						
5	16QAM	12	13	20.38	20.49	20.42	22	2				
5	16QAM	25	0	20.39	20.54	20.41						
5	16QAM	1	0	20.57	20.62	20.52						
5	64QAM	1	12	20.68	20.71	20.62						
5	64QAM	1	24	20.63	20.69	20.60	22	2				
5	64QAM	12	0	19.44	19.59	19.52						
5	64QAM	12	7	19.46	19.55	19.48						
5	64QAM	12	13	19.43	19.43	19.43						
5	64QAM	25	0	19.44	19.49	19.45	21	3				
5	64QAM	25	0	19.44	19.49	19.45						

Band 26 Ant0 DSI3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power MaxCh Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.59	22.76	22.63	24	0				
15	QPSK	1	37	22.49	22.61	22.52						
15	QPSK	1	74	22.44	22.56	22.42						
15	QPSK	36	0	21.59	21.63	21.51						
15	QPSK	36	20	21.55	21.58	21.47	23	1				
15	QPSK	36	36	21.45	21.54	21.50						
15	QPSK	75	0	21.53	21.59	21.48						
15	16QAM	1	0	21.59	21.74	21.61						
15	16QAM	1	37	21.79	21.82	21.69	23	1				
15	16QAM	1	74	21.72	21.75	21.67						
15	16QAM	36	0	20.58	20.68	20.54						
15	16QAM	36	20	20.56	20.59	20.53						
15	16QAM	36	20	20.54	20.68	20.54	22	2				
15	16QAM	75	0	20.53	20.62	20.52						
15	64QAM	1	0	20.67	20.76	20.65						
15	64QAM	1	37	20.63	20.71	20.62						
15	64QAM	1	74	20.51	20.63	20.55	22	2				
15	64QAM	36	0	19.51	19.62	19.58						
15	64QAM	36	20	19.51	19.68	19.59						
15	64QAM	36	39	19.45	19.58	19.47						
15	64QAM	75	0	19.49	19.60	19.58	21	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.62	22.68	22.49	24	0				
10	QPSK	1	25	22.37	22.50	22.45						
10	QPSK	1	49	22.31	22.48	22.37						
10	QPSK	25	0	21.62	21.60	21.41						
10	QPSK	25	12	21.41	21.52	21.43	23	1				
10	QPSK	25	25	21.37	21.44	21.38						
10	QPSK	50	0	21.47	21.48	21.41						
10	16QAM	1	0	21.55	21.64	21.54						
10	16QAM	1	25	21.75	21.72	21.64	23	1				
10	16QAM	1	49	21.68	21.63	21.57						
10	16QAM	25	0	20.51	20.59	20.47						
10	16QAM	12	0	20.50	20.64	20.58						
10	16QAM	25	25	20.43	20.55	20.48	22	2				
10	16QAM	50	0	20.47	20.62	20.44						
10	64QAM	1	0	20.59	20.62	20.53						
10	64QAM	1	25	20.53	20.64	20.59						
10	64QAM	1	49	20.47	20.51	20.41	22	2				
10	64QAM	25	0	19.48	19.53	19.49						
10	64QAM	25	12	19.38	19.54	19.51						
10	64QAM	25	25	19.37	19.49	19.40						
10	64QAM	50	0	19.40	19.52	19.48	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.59	22.69	22.44	24	0				
5	QPSK	1	12	22.36	22.52	22.41						
5	QPSK	1	24	22.31	22.48	22.27						
5	QPSK	12	0	21.50	21.59	21.44						
5	QPSK	12	7	21.46	21.44	21.43	23	1				
5	QPSK	12	13	21.33	21.42	21.42						
5	QPSK	25	0	21.41	21.47	21.39						
5	16QAM	1	0	21.56	21.63	21.52						
5	16QAM	1	12	21.71	21.74	21.65	23	1				
5	16QAM	1	24	21.68	21.65	21.63						
5	16QAM	12	0	20.47	20.53	20.46						
5	16QAM	12	7	20.45	20.60	20.59						
5	16QAM	12	13	20.44	20.57	20.42	22	2				
5	16QAM	25	0	20.41	20.48	20.51						
5	16QAM	25	12	20.39	20.52	20.52						
5	16QAM	25	25	20.34	20.65	20.57						
5	64QAM	1	12	20.42	20.50	20.41	22	2				
5	64QAM	1	24	20.40	20.50	20.41						
5	64QAM	12	0	19.40	19.52	19.44						
5	64QAM	12	7	19.45	19.62	19.44						
5	64QAM	12	13	19.33	19.49	19.40	21	3				
5	64QAM	25	0	19.33	19.52	19.51						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.48	22.70	22.44	24	0				
3	QPSK	1	8	22.35	22.58	22.44						
3	QPSK	1	14	22.36	22.48	22.38						
3	QPSK	8	0	21.44	21.54	21.41						
3	QPSK	8	4	21.44	21.44	21.42	23	1				
3	QPSK	8	7	21.40	21.45	21.39						
3	QPSK	15	0	21.49	21.51	21.36						
3	16QAM	1	0	21.55	21.68	21.54						
3	16QAM	1	8	21.74	21.78	21.63	23	1				
3	16QAM	1	14	21.59	21.67	21.55						
3	16QAM	8	0	20.48	20.58	20.48						
3	16QAM	8	4	20.47	20.55	20.55						
3	16QAM	8	7	20.41	20.61	20.48	22	2				
3	16QAM	15	0	20.45	20.57	20.46						
3	64QAM	1	0	20.63	20.69	20.49						
3	64QAM	1	8	20.50	20.58	20.54						
3	64QAM	1	14	20.47	20.54	20.47	22	2				
3	64QAM	8	0	19.44	19.49	19.43						
3	64QAM	8	4	19.37	19.62	19.49						
3	64QAM	8	7	19.37	19.47	19.42						
3	64QAM	15	0	19.40	19.54	19.53	21	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.49	22.70	22.43	24	0				
1.4	QPSK	1	3	22.41	22.53	22.43						
1.4	QPSK	1	6	22.40	22.52	22.37						
1.4	QPSK	3	0	22.48	22.48	22.43						
1.4	QPSK	3	0	22.40	22.52	22.40	23	1				
1.4	QPSK	3	3	22.32	22.47	22.46						
1.4	QPSK	6	0	21.42	21.49	21.38						
1.4	16QAM	1	0	21.46	21.62	21.54						
1.4	16QAM	1	3	21.79	21.75	21.64	23	1				
1.4	16QAM	1	6	21.63	21.64	21.64						
1.4	16QAM	3	0	21.47	21.59	21.48						
1.4	16QAM	3	3	21.62	21.61	21.53						
1.4	16QAM	3	3	21.48	21.62	21.48	22	2				
1.4	16QAM	6	0	20.44	20.54	20.43						
1.4	16QAM	6	3	20.68	20.68	20.58						
1.4	16QAM	3	6	20.54	20.61	20.55						
1.4	16QAM	1	0	20.46	20.48	20.42	22	2				
1.4	16QAM	1	3	20.51	20.44	20.47						
1.4	16QAM	3	0	20.47	20.55	20.44						
1.4	16QAM	3	3	20.57	20.57	20.47						
1.4	64QAM	1	0	19.33	19.48	19.41	21	3				
Channel												
Frequency (MHz)												

Band 7 Ant1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20500	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	18.67	18.76	18.73	20	0		
20	QPSK	1	49	18.54	18.65	18.61				
20	QPSK	1	99	18.55	18.70	18.63				
20	QPSK	50	0	18.49	18.67	18.50	20	0		
20	QPSK	50	24	18.54	18.61	18.62				
20	QPSK	50	50	18.56	18.66	18.54				
20	QPSK	100	0	18.51	18.64	18.60	20	0		
20	16QAM	1	0	18.57	18.65	18.62				
20	16QAM	1	49	18.61	18.65	18.55				
20	16QAM	1	99	18.60	18.71	18.56	20	0		
20	16QAM	50	0	18.52	18.63	18.58				
20	16QAM	50	24	18.54	18.62	18.51				
20	16QAM	50	50	18.56	18.70	18.55	20	0		
20	16QAM	100	0	18.56	18.62	18.56				
20	64QAM	1	0	18.52	18.61	18.54	20	0		
20	64QAM	1	49	18.66	18.70	18.56				
20	64QAM	1	99	18.61	18.71	18.58				
20	64QAM	50	0	18.55	18.62	18.52	20	0		
20	64QAM	50	24	18.57	18.62	18.54				
20	64QAM	50	50	18.58	18.72	18.65				
20	64QAM	100	0	18.55	18.69	18.64				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	18.60	18.64	18.63	20	0		
15	QPSK	1	37	18.44	18.61	18.56				
15	QPSK	1	74	18.42	18.55	18.49				
15	QPSK	36	0	18.34	18.59	18.41	20	0		
15	QPSK	36	20	18.39	18.57	18.48				
15	QPSK	36	39	18.46	18.50	18.43				
15	QPSK	75	0	18.36	18.51	18.51	20	0		
15	16QAM	1	0	18.47	18.53	18.58				
15	16QAM	1	37	18.56	18.54	18.42				
15	16QAM	1	74	18.54	18.65	18.50	20	0		
15	16QAM	36	0	18.47	18.51	18.54				
15	16QAM	36	20	18.48	18.52	18.42				
15	16QAM	36	39	18.43	18.58	18.42	20	0		
15	16QAM	75	0	18.46	18.54	18.43				
15	64QAM	1	0	18.40	18.48	18.44				
15	64QAM	1	37	18.55	18.65	18.52	20	0		
15	64QAM	1	74	18.52	18.60	18.48				
15	64QAM	36	0	18.44	18.52	18.37				
15	64QAM	36	20	18.49	18.54	18.42	20	0		
15	64QAM	36	39	18.52	18.56	18.53				
15	64QAM	75	0	18.40	18.64	18.60				
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2509	2535	2565				
10	QPSK	1	0	18.52	18.64	18.65				
10	QPSK	1	25	18.47	18.60	18.54	20	0		
10	QPSK	1	49	18.43	18.57	18.54				
10	QPSK	25	0	18.44	18.58	18.37	20	0		
10	QPSK	25	12	18.43	18.49	18.51				
10	QPSK	25	25	18.45	18.58	18.42				
10	QPSK	50	0	18.48	18.52	18.50	20	0		
10	16QAM	1	0	18.48	18.62	18.48				
10	16QAM	1	25	18.57	18.61	18.44				
10	16QAM	1	49	18.48	18.57	18.52	20	0		
10	16QAM	25	0	18.46	18.51	18.44				
10	16QAM	25	12	18.49	18.48	18.41				
10	16QAM	25	25	18.45	18.56	18.47	20	0		
10	16QAM	50	0	18.44	18.54	18.49				
10	64QAM	1	0	18.43	18.53	18.39				
10	64QAM	1	25	18.63	18.61	18.51	20	0		
10	64QAM	1	49	18.57	18.60	18.50				
10	64QAM	25	0	18.44	18.50	18.47				
10	64QAM	25	12	18.51	18.52	18.39	20	0		
10	64QAM	25	25	18.48	18.59	18.57				
10	64QAM	50	0	18.42	18.63	18.51				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	18.60	18.72	18.66				
5	QPSK	1	12	18.45	18.61	18.55	20	0		
5	QPSK	1	24	18.51	18.59	18.52				
5	QPSK	12	0	18.38	18.53	18.36	20	0		
5	QPSK	12	7	18.50	18.51	18.55				
5	QPSK	12	13	18.50	18.60	18.50				
5	QPSK	25	0	18.42	18.55	18.50	20	0		
5	16QAM	1	0	18.50	18.62	18.56				
5	16QAM	1	12	18.51	18.61	18.50				
5	16QAM	1	24	18.55	18.65	18.53	20	0		
5	16QAM	12	0	18.48	18.55	18.44				
5	16QAM	12	7	18.40	18.51	18.39				
5	16QAM	12	13	18.48	18.61	18.50	20	0		
5	16QAM	25	0	18.41	18.56	18.49				
5	64QAM	1	0	18.43	18.53	18.43				
5	64QAM	1	12	18.61	18.65	18.46	20	0		
5	64QAM	1	24	18.56	18.68	18.51				
5	64QAM	12	0	18.42	18.48	18.48				
5	64QAM	12	7	18.47	18.52	18.40	20	0		
5	64QAM	12	13	18.53	18.57	18.55				
5	64QAM	25	0	18.44	18.64	18.56				

Band 38 Ant1 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37625	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.84	20.96	20.86	22	0	
20	QPSK	1	49	20.79	20.85	20.74			
20	QPSK	1	99	20.88	20.94	20.84			
20	QPSK	50	0	20.83	20.94	20.87	22	0	
20	QPSK	50	24	20.77	20.88	20.84			
20	QPSK	50	50	20.86	20.91	20.81			
20	QPSK	100	0	20.85	20.93	20.79	22	0	
20	16QAM	1	0	20.75	20.85	20.80			
20	16QAM	1	49	20.83	20.92	20.83			
20	16QAM	1	99	20.84	20.88	20.85	22	0	
20	16QAM	50	0	20.68	20.76	20.70			
20	16QAM	50	24	20.77	20.77	20.71			
20	16QAM	50	50	20.55	20.68	20.57	22	0	
20	16QAM	100	0	20.65	20.73	20.70			
20	64QAM	1	0	20.30	20.40	20.37			
20	64QAM	1	49	20.43	20.45	20.43	22	0	
20	64QAM	1	99	20.26	20.33	20.28			
20	64QAM	50	0	19.67	19.78	19.69			
20	64QAM	50	24	19.71	19.78	19.72	21	1	
20	64QAM	50	50	19.55	19.67	19.58			
20	64QAM	100	0	19.64	19.81	19.70			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.76	20.91	20.79	22	0	
15	QPSK	1	37	20.71	20.78	20.67			
15	QPSK	1	74	20.78	20.91	20.76			
15	QPSK	36	0	20.78	20.86	20.78	22	0	
15	QPSK	36	20	20.67	20.82	20.77			
15	QPSK	36	39	20.76	20.81	20.74			
15	QPSK	75	0	20.82	20.85	20.71	22	0	
15	16QAM	1	0	20.70	20.80	20.74			
15	16QAM	1	37	20.74	20.88	20.75			
15	16QAM	1	74	20.74	20.84	20.75	22	0	
15	16QAM	36	0	20.64	20.73	20.59			
15	16QAM	36	20	20.71	20.72	20.68			
15	16QAM	36	39	20.49	20.58	20.50	22	0	
15	16QAM	75	0	20.58	20.63	20.61			
15	64QAM	1	0	20.26	20.34	20.34			
15	64QAM	1	37	20.34	20.37	20.36	22	0	
15	64QAM	1	74	20.22	20.22	20.20			
15	64QAM	36	0	19.63	19.65	19.61			
15	64QAM	36	20	19.66	19.69	19.64	21	1	
15	64QAM	36	39	19.48	19.57	19.50			
15	64QAM	75	0	19.61	19.72	19.60			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.78	20.92	20.78	22	0	
10	QPSK	1	25	20.71	20.80	20.64			
10	QPSK	1	49	20.79	20.90	20.74			
10	QPSK	25	0	20.79	20.90	20.77	22	0	
10	QPSK	25	12	20.70	20.84	20.77			
10	QPSK	25	25	20.76	20.81	20.73			
10	QPSK	50	0	20.81	20.89	20.75	22	0	
10	16QAM	1	0	20.71	20.81	20.75			
10	16QAM	1	25	20.76	20.82	20.80			
10	16QAM	1	49	20.73	20.85	20.79	22	0	
10	16QAM	25	0	20.59	20.69	20.61			
10	16QAM	25	12	20.73	20.69	20.63			
10	16QAM	25	25	20.49	20.65	20.48	22	0	
10	16QAM	50	0	20.56	20.68	20.67			
10	64QAM	1	0	20.25	20.31	20.29			
10	64QAM	1	25	20.37	20.41	20.37	22	0	
10	64QAM	1	49	20.16	20.24	20.24			
10	64QAM	25	0	19.57	19.68	19.61			
10	64QAM	25	12	19.66	19.73	19.68	21	1	
10	64QAM	25	25	19.52	19.61	19.51			
10	64QAM	50	0	19.57	19.77	19.67			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.80	20.90	20.76	22	0	
5	QPSK	1	12	20.71	20.76	20.64			
5	QPSK	1	24	20.80	20.84	20.81			
5	QPSK	12	0	20.76	20.88	20.76	22	0	
5	QPSK	12	7	20.71	20.81	20.79			
5	QPSK	12	13	20.81	20.81	20.74			
5	QPSK	25	0	20.78	20.86	20.70	22	0	
5	16QAM	1	0	20.69	20.80	20.69			
5	16QAM	1	12	20.75	20.88	20.78			
5	16QAM	1	24	20.74	20.82	20.78	22	0	
5	16QAM	12	0	20.58	20.68	20.63			
5	16QAM	12	7	20.68	20.74	20.61			
5	16QAM	12	13	20.48	20.59	20.50	22	0	
5	16QAM	25	0	20.60	20.68	20.63			
5	64QAM	1	0	20.20	20.31	20.28			
5	64QAM	1	12	20.33	20.38	20.33	22	0	
5	64QAM	1	24	20.16	20.30	20.21			
5	64QAM	12	0	19.57	19.67	19.64			
5	64QAM	12	7	19.68	19.69	19.67	21	1	
5	64QAM	12	13	19.50	19.61	19.51			
5	64QAM	25	0	19.57	19.73	19.66			

Band 41 Ant1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.72	20.64	20.99	20.78	20.88	22	0
20	QPSK	1	49	20.75	20.80	20.89	20.78	20.81		
20	QPSK	1	99	20.82	20.83	20.72	20.85	20.71	22	0
20	QPSK	50	0	20.71	20.59	20.85	20.76	20.83		
20	QPSK	50	24	20.66	20.68	20.83	20.69	20.76	22	0
20	QPSK	50	50	20.62	20.66	20.74	20.70	20.69		
20	QPSK	100	0	20.68	20.54	20.81	20.63	20.75	22	0
20	16QAM	1	0	20.64	20.74	20.74	20.74	20.66		
20	16QAM	1	49	20.59	20.54	20.60	20.52	20.54	22	0
20	16QAM	1	99	20.76	20.84	20.86	20.83	20.80		
20	16QAM	50	0	20.55	20.61	20.66	20.54	20.58	22	0
20	16QAM	50	24	20.59	20.65	20.73	20.58	20.66		
20	16QAM	50	50	20.60	20.58	20.65	20.59	20.60	22	0
20	16QAM	100	0	20.55	20.63	20.64	20.60	20.59		
20	64QAM	1	0	20.40	20.35	20.34	20.30	20.33	22	0
20	64QAM	1	49	20.37	20.49	20.54	20.44	20.44		
20	64QAM	1	99	20.32	20.36	20.41	20.34	20.32	21	1
20	64QAM	50	0	19.47	19.59	19.65	19.54	19.58		
20	64QAM	50	24	19.67	19.64	19.78	19.63	19.71	21	1
20	64QAM	50	50	19.59	19.60	19.71	19.60	19.63		
20	64QAM	100	0	19.56	19.55	19.67	19.57	19.66		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	0	20.63	20.53	20.96	20.69	20.74	22	0
15	QPSK	1	49	20.63	20.66	20.77	20.68	20.68		
15	QPSK	1	74	20.59	20.51	20.67	20.50	20.57	22	0
15	QPSK	36	0	20.65	20.51	20.75	20.63	20.76		
15	QPSK	36	20	20.53	20.56	20.79	20.57	20.65	22	0
15	QPSK	36	39	20.50	20.57	20.61	20.59	20.62		
15	QPSK	75	0	20.60	20.49	20.49	20.50	20.65	22	0
15	16QAM	1	0	20.52	20.67	20.63	20.66	20.53		
15	16QAM	1	37	20.54	20.48	20.49	20.37	20.46	22	0
15	16QAM	1	74	20.68	20.78	20.76	20.78	20.69		
15	16QAM	36	0	20.42	20.48	20.53	20.40	20.55	22	0
15	16QAM	36	20	20.54	20.57	20.67	20.50	20.59		
15	16QAM	36	39	20.53	20.45	20.55	20.52	20.51	22	0
15	16QAM	75	0	20.41	20.50	20.54	20.56	20.51		
15	64QAM	1	0	20.29	20.24	20.31	20.23	20.18	22	0
15	64QAM	1	37	20.26	20.39	20.47	20.29	20.41		
15	64QAM	1	74	20.20	20.29	20.28	20.25	20.25	22	0
15	64QAM	36	0	19.33	19.55	19.42	19.42	19.45		
15	64QAM	36	20	19.52	19.50	19.71	19.48	19.58	21	1
15	64QAM	36	39	19.46	19.45	19.62	19.47	19.57		
15	64QAM	75	0	19.47	19.49	19.59	19.53	19.59		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2499	25437	2593	26439	26859	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	0	20.60	20.52	20.91	20.72	20.77	22	0
10	QPSK	1	25	20.67	20.73	20.81	20.67	20.73		
10	QPSK	1	49	20.57	20.54	20.59	20.55	20.65	22	0
10	QPSK	25	0	20.58	20.52	20.73	20.71	20.80		
10	QPSK	25	12	20.54	20.53	20.72	20.62	20.71	22	0
10	QPSK	25	25	20.56	20.54	20.69	20.63	20.56		
10	QPSK	50	0	20.62	20.47	20.75	20.49	20.67	22	0
10	16QAM	1	0	20.52	20.67	20.65	20.64	20.52		
10	16QAM	1	25	20.48	20.40	20.53	20.42	20.51	22	0
10	16QAM	1	49	20.65	20.71	20.74	20.72	20.66		
10	16QAM	25	0	20.47	20.51	20.40	20.48	20.43	22	0
10	16QAM	25	12	20.47	20.50	20.69	20.49	20.57		
10	16QAM	25	25	20.48	20.49	20.51	20.45	20.55	22	0
10	16QAM	50	0	20.43	20.49	20.60	20.48	20.50		
10	64QAM	1	0	20.35	20.31	20.23	20.18	20.18	22	0
10	64QAM	1	25	20.33	20.43	20.40	20.33	20.38		
10	64QAM	1	49	20.19	20.29	20.29	20.20	20.25	21	1
10	64QAM	25	0	19.41	19.51	19.57	19.44	19.45		
10	64QAM	25	12	19.58	19.50	19.64	19.55	19.62	21	1
10	64QAM	25	25	19.53	19.51	19.60	19.45	19.59		
10	64QAM	50	0	19.52	19.43	19.50	19.50	19.50		
Channel				39675	40141	40620	41063	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dbm)	MPR (db)
5	QPSK	1	0	20.58	20.58	20.94	20.71	20.80	22	0
5	QPSK	1	12	20.64	20.65	20.76	20.73	20.71		
5	QPSK	1	24	20.52	20.59	20.58	20.52	20.60	22	0
5	QPSK	12	0	20.60	20.58	20.77	20.68	20.73		
5	QPSK	12	7	20.56	20.64	20.78	20.56	20.70	22	0
5	QPSK	12	13	20.48	20.62	20.59	20.57	20.57		
5	QPSK	25	0	20.61	20.50	20.71	20.49	20.63	22	0
5	16QAM	1	0	20.33	20.66	20.69	20.63	20.35		
5	16QAM	12	0	20.45	20.49	20.45	20.44	20.46	22	0
5	16QAM	1	24	20.65	20.77	20.77	20.74	20.74		
5	16QAM	12	0	20.43	20.48	20.59	20.40	20.51	22	0
5	16QAM	12	7	20.55	20.53	20.67	20.51	20.57		
5	16QAM	12	13	20.50	20.44	20.56	20.53	20.50	22	0
5	16QAM	20	0	20.47	20.54	20.57	20.50	20.46		
5	64QAM	1	0	20.36	20.23	20.30	20.26	20.23	22	0
5	64QAM	1	12	20.31	20.44	20.43	20.36	20.29		
5	64QAM	1	24	20.20	20.27	20.27	20.23	20.22	21	1
5	64QAM	12	0	19.36	19.49	19.56	19.43	19.47		
5	64QAM	12	7	19.56	19.58	19.74	19.56	19.61	21	1
5	64QAM	12	13	19.50	19.55	19.56	19.50	19.59		
5	64QAM	25	0	19.53	19.46	19.56	19.47	19.59		



Reduced Power Mode for DSI 6

GSM850 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	126	186	251		126	186	251	
TX Channel	126	186	251	Limit	126	186	251	Limit
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.29	32.38	32.42	33.50	23.29	23.38	23.42	24.50
GPRS 1 Tx slot	32.22	32.34	32.36	33.50	23.22	23.34	23.35	24.50
GPRS 2 Tx slots	29.85	29.84	29.71	31.00	23.85	23.84	23.71	25.00
GPRS 3 Tx slots	28.07	27.81	27.72	29.00	23.81	23.55	23.46	24.74
GPRS 4 Tx slots	26.02	26.00	25.94	27.00	23.02	23.00	22.94	24.00
EDGE 1 Tx slot	25.83	25.90	25.72	27.50	18.83	18.90	18.72	18.50
EDGE 2 Tx slots	24.01	24.09	24.08	25.50	18.01	18.09	18.08	19.50
EDGE 3 Tx slots	22.16	22.26	22.00	23.50	17.90	18.00	17.74	19.24
EDGE 4 Tx slots	20.30	20.33	20.13	21.50	17.30	17.33	17.13	18.50

GSM1900 Ant0 DSI6

GSM1900 ANT0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	912	961	970		912	961	970	
TX Channel	912	961	970	Limit	912	961	970	Limit
Frequency (MHz)	1850.2	1860	1869.8	(dBm)	1850.2	1860	1869.8	(dBm)
GSM 1 Tx slot	28.24	28.37	28.29	29.50	19.24	19.37	19.29	20.50
GPRS 1 Tx slot	28.16	28.31	28.25	29.50	19.16	19.31	19.25	20.50
GPRS 2 Tx slots	25.46	25.69	25.50	27.00	19.46	19.69	19.50	21.00
GPRS 3 Tx slots	23.68	23.89	23.80	24.50	19.42	19.63	19.64	20.24
GPRS 4 Tx slots	21.84	22.05	21.93	23.00	18.94	19.05	18.93	20.00
EDGE 1 Tx slot	24.85	24.79	24.72	25.50	15.65	15.79	15.72	16.50
EDGE 2 Tx slots	21.10	21.40	21.31	22.50	15.10	15.40	15.31	16.50
EDGE 3 Tx slots	20.08	20.36	20.37	21.50	15.82	16.10	16.11	17.24
EDGE 4 Tx slots	18.32	18.41	18.28	19.50	15.32	15.41	15.28	16.50

WCDMA R Ant0 DSI6

Band	WCDMA R ANT0			Tune-up Limit (dBm)	WCDMA R ANT0			Tune-up Limit (dBm)	WCDMA V ANT0			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit
Frequency (MHz)	1852.4	1860	1867.8	(dBm)	1712.4	1732.5	1752.5	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps	20.14	20.10	19.99	21.50	17.72	17.82	17.77	19.50	22.36	22.45	22.33	24.00
3GPP Rel 99 RMC 12.2Kbps	20.20	20.24	20.12	21.50	17.80	17.81	17.79	19.50	22.34	22.64	22.39	24.00
3GPP Rel 6 HSDPA Subtest-1	19.25	19.24	19.08	20.50	16.84	16.82	16.88	18.50	21.64	21.71	21.57	23.00
3GPP Rel 6 HSDPA Subtest-2	19.39	19.47	19.40	20.50	16.68	16.93	16.79	18.50	21.48	21.47	21.64	23.00
3GPP Rel 6 HSDPA Subtest-3	18.45	18.59	18.71	20.00	16.29	16.55	16.16	18.00	20.81	21.08	20.98	22.50
3GPP Rel 6 HSDPA Subtest-4	18.51	18.62	18.38	20.00	16.16	16.14	16.11	18.00	20.95	20.95	20.97	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	19.20	19.26	19.05	20.50	16.79	17.05	16.84	18.50	21.34	21.42	21.50	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	19.08	18.93	19.14	20.50	16.83	16.75	17.07	18.50	21.31	21.41	21.50	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	18.80	18.44	18.60	20.00	16.01	16.42	16.34	18.00	20.66	21.02	20.93	22.50
3GPP Rel 8 DC-HSDPA Subtest-4	18.68	18.77	18.94	20.00	16.09	16.40	16.41	18.00	20.72	20.97	21.02	22.50
3GPP Rel 6 HSUPA Subtest-1	19.11	19.18	19.29	20.00	16.90	16.89	17.14	18.00	21.46	21.55	21.42	23.00
3GPP Rel 6 HSUPA Subtest-2	17.16	17.25	16.97	18.00	14.77	14.98	14.73	16.00	19.60	19.63	19.55	21.00
3GPP Rel 6 HSUPA Subtest-3	18.34	18.34	18.20	19.00	15.79	15.96	15.85	17.00	20.31	20.66	20.40	22.00
3GPP Rel 6 HSUPA Subtest-4	17.02	16.98	16.86	18.00	14.83	14.77	15.01	16.00	19.56	19.42	19.51	21.00
3GPP Rel 6 HSUPA Subtest-5	19.29	19.18	18.96	20.00	16.92	17.13	16.85	18.00	21.43	21.59	21.49	23.00
3GPP Rel 7 HSPA+ (HSPA) Subtest-1	16.87	16.81	16.58	17.50	14.55	14.68	14.41	16.50	19.13	19.27	19.08	20.50



Band 2 Ant0 DS16											
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch / Freq.	Power Hsp Ch / Freq.	Power Hsp Ch / Freq.	Turn-up limit (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.96	19.96	19.96	21.5	0			
20	QPSK	1	49	19.93	19.93	19.88					
20	QPSK	1	99	19.93	19.97	19.95					
20	QPSK	50	0	19.90	19.97	19.97					
20	QPSK	50	24	19.87	19.89	19.85	21.5	0			
20	QPSK	50	50	19.85	19.92	19.87					
20	QPSK	100	0	19.85	19.92	19.87					
20	QPSK	100	24	19.83	19.90	19.87					
20	16QAM	1	49	19.93	19.96	19.86	21.5	0			
20	16QAM	50	50	19.93	19.96	19.87					
20	16QAM	50	24	19.93	19.96	19.87					
20	16QAM	50	0	19.91	19.99	19.87					
20	16QAM	100	0	19.77	19.90	19.78	21.5	0			
20	16QAM	1	0	19.82	19.90	19.81					
20	16QAM	1	49	19.92	19.96	19.95					
20	16QAM	1	99	19.85	19.90	19.87					
20	16QAM	50	0	19.29	19.41	19.26	21	0.5			
20	16QAM	50	24	19.36	19.45	19.33					
20	16QAM	50	50	19.30	19.38	19.24					
20	16QAM	100	0	19.32	19.40	19.31					
Channel											
Frequency (MHz)											
16	QPSK	1	0	19.81	19.93	19.83	21.5	0			
16	QPSK	1	37	19.79	19.87	19.78					
16	QPSK	1	74	19.84	19.88	19.74					
16	QPSK	36	0	19.80	19.98	19.80					
16	QPSK	36	20	19.83	19.90	19.76	21.5	0			
16	QPSK	36	50	19.79	19.79	19.82					
16	QPSK	75	0	19.87	19.90	19.81					
16	16QAM	1	0	19.78	19.97	19.82					
16	16QAM	1	37	19.80	19.90	19.74	21.5	0			
16	16QAM	1	74	19.87	19.95	19.85					
16	16QAM	36	0	19.84	19.97	19.75					
16	16QAM	36	20	19.84	19.89	19.85					
16	16QAM	36	50	19.86	19.89	19.76	21.5	0			
16	16QAM	75	0	19.74	19.80	19.87					
16	16QAM	1	1	19.73	19.87	19.71					
16	16QAM	1	37	19.86	19.94	19.77					
16	16QAM	1	74	19.85	19.90	19.76	21	0.5			
16	16QAM	36	0	19.15	19.29	19.17					
16	16QAM	36	20	19.29	19.38	19.19					
16	16QAM	36	50	19.26	19.34	19.10					
16	16QAM	75	0	19.20	19.33	19.22					
Channel											
Frequency (MHz)											
10	QPSK	1	0	19.86	19.96	19.86	21.5	0			
10	QPSK	1	25	19.83	19.94	19.78					
10	QPSK	1	49	19.85	19.90	19.77					
10	QPSK	25	0	19.83	19.90	19.84					
10	QPSK	25	12	19.79	19.85	19.81	21.5	0			
10	QPSK	25	25	19.74	19.80	19.80					
10	QPSK	50	0	19.73	19.78	19.83					
10	16QAM	1	0	19.78	19.90	19.86					
10	16QAM	1	25	19.78	19.89	19.78	21.5	0			
10	16QAM	1	49	19.81	19.91	19.82					
10	16QAM	25	19.82	19.82	19.67						
10	16QAM	25	12	19.26	19.38	19.21					
10	16QAM	25	25	19.28	19.33	19.11	21	0.5			
10	16QAM	50	0	19.18	19.36	19.21					
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.91	19.95	19.86			21.5	0	
5	QPSK	1	12	19.87	19.90	19.86					
5	QPSK	1	24	19.79	19.89	19.79					
5	QPSK	1	49	19.80	19.88	19.80					
5	QPSK	12	0	19.76	19.84	19.82	21.5	0			
5	QPSK	12	13	19.70	19.75	19.75					
5	QPSK	25	0	19.72	19.87	19.79					
5	16QAM	1	0	19.71	19.85	19.80					
5	16QAM	1	12	19.81	19.88	19.71	21.5	0			
5	16QAM	1	24	19.85	19.90	19.85					
5	16QAM	12	0	19.80	19.88	19.82					
5	16QAM	12	7	19.82	19.85	19.86					
5	16QAM	25	0	19.69	19.84	19.84	21.5	0			
5	16QAM	25	0	19.75	19.80	19.87					
5	16QAM	25	12	19.76	19.79	19.79					
5	16QAM	25	13	19.78	19.89	19.78					
Channel											
Frequency (MHz)											
3	QPSK	1	0	19.91	19.92	19.80	21.5	0			
3	QPSK	1	8	19.86	19.92	19.81					
3	QPSK	1	16	19.82	19.86	19.77					
3	QPSK	8	0	19.80	19.96	19.82					
3	QPSK	8	4	19.81	19.84	19.77	21.5	0			
3	QPSK	8	7	19.72	19.80	19.81					
3	QPSK	15	0	19.73	19.88	19.83					
3	16QAM	1	0	19.75	19.82	19.79					
3	16QAM	1	14	19.84	19.93	19.91	21.5	0			
3	16QAM	8	0	19.80	19.92	19.81					
3	16QAM	8	4	19.80	19.92	19.79					
3	16QAM	16	0	19.66	19.72	19.72					
3	16QAM	1	0	19.78	19.79	19.75	21.5	0			
3	16QAM	1	8	19.86	19.83	19.72					
3	16QAM	1	14	19.70	19.82	19.84					
3	16QAM	8	0	19.25	19.39	19.13					
3	16QAM	8	4	19.24	19.32	19.28	21	0.5			
3	16QAM	8	7	19.23	19.36	19.11					
3	16QAM	15	0	19.20	19.32	19.25					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	19.90	19.91	19.77	21.5	0			
1.4	QPSK	1	3	19.75	19.88	19.84					
1.4	QPSK	1	5	19.84	19.95	19.89					
1.4	QPSK	3	1	19.73	19.85	19.79					
1.4	QPSK	3	1	19.74	19.89	19.81	21.5	0			
1.4	QPSK	6	0	19.73	19.85	19.74					
1.4	16QAM	1	0	19.74	19.88	19.74					
1.4	16QAM	1	0	19.86	19.94	19.85					
1.4	16QAM	3	0	19.84	19.88	19.75	21.5	0			
1.4	16QAM	3	3	19.81	19.86	19.85					
1.4	16QAM	3	3	19.81	19.90	19.80					
1.4	16QAM	6	0	19.65	19.78	19.69					
1.4	16QAM	1	0	19.69	19.81	19.75	21.5	0			
1.4	16QAM	1	3	19.78	19.87	19.70					
1.4	16QAM	1	5	19.81	19.91	19.84					
1.4	16QAM	3	0	19.74	19.91	19.78					
1.4	16QAM	3	1	19.87	19.89	19.73	21	0.5			
1.4	16QAM	3	3	19.77	19.81	19.74					
1.4	16QAM	6	0	19.20	19.32	19.16					

Band 4 Ant0 DS16									
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch / Freq.	Power Hsp Ch / Freq.	Power Hsp Ch / Freq.	Turnup limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.93	18.02	17.88	19.5	0	
20	QPSK	1	49	17.78	17.88	17.89			
20	QPSK	1	99	17.93	17.91	17.86			
20	QPSK	50	0	17.94	17.98	17.86			
20	QPSK	50	24	17.88	17.91	17.81	19.5	0	
20	QPSK	50	50	17.89	17.91	17.82			
20	QPSK	100	0	17.80	17.92	17.83			
20	HQAM	1	0	17.82	17.91	17.75	19.5	0	
20	HQAM	1	49	17.88	18.03	17.89			
20	HQAM	1	99	17.78	17.94	17.91			
20	HQAM	50	0	17.82	17.83	17.78			
20	HQAM	50	24	17.89	17.91	17.82	19.5	0	
20	HQAM	50	50	17.91	18.01	17.83			
20	HQAM	100	0	17.92	17.92	17.85			
20	HQAM	1	49	17.95	17.95	17.86	19.5	0	
20	HQAM	1	99	17.81	17.96	17.84			
20	HQAM	50	24	17.92	17.93	17.86			
20	HQAM	50	24	17.79	17.86	17.83			
20	HQAM	50	50	17.95	17.99	17.90	19.5	0	
20	HQAM	50	50	17.96	17.99	17.90			
20	HQAM	100	0	17.87	17.98	17.88			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.95	17.95	17.95	Turnup limit (dB)	MPR (dB)	
15	QPSK	1	37	17.88	17.72	17.84			
15	QPSK	1	74	17.80	17.83	17.58			
15	QPSK	50	0	17.96	17.96	17.96			
15	QPSK	50	25	17.74	17.76	17.73	19.5	0	
15	QPSK	36	36	17.83	17.88	17.86			
15	QPSK	36	36	17.84	17.84	17.84			
15	HQAM	1	0	17.77	17.77	17.76	19.5	0	
15	HQAM	1	37	17.88	17.91	17.81			
15	HQAM	1	74	17.89	17.88	17.85			
15	HQAM	36	36	17.69	17.70	17.71			
15	HQAM	36	20	17.87	17.84	17.84	19.5	0	
15	HQAM	36	20	17.84	17.84	17.84			
15	HQAM	75	0	17.87	17.82	17.62			
15	HQAM	1	0	17.77	17.89	17.84	19.5	0	
15	HQAM	1	37	17.88	17.91	17.81			
15	HQAM	1	74	17.75	17.87	17.73			
15	HQAM	36	0	17.82	17.77	17.79			
15	HQAM	36	36	17.79	17.79	17.79	19.5	0	
15	HQAM	36	36	17.89	17.83	17.79			
15	HQAM	75	0	17.76	17.87	17.78			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.92	17.92	17.92	Turnup limit (dB)	MPR (dB)	
10	QPSK	1	37	17.86	17.70	17.82			
10	QPSK	1	74	17.80	17.83	17.58			
10	QPSK	50	0	17.94	17.94	17.94			
10	QPSK	50	0	17.75	17.78	17.77	19.5	0	
10	QPSK	36	36	17.87	17.87	17.86			
10	QPSK	36	36	17.95	17.94	17.94			
10	HQAM	1	49	17.83	17.79	17.77	19.5	0	
10	HQAM	1	99	17.74	17.74	17.74			
10	HQAM	25	12	17.83	17.90	17.78			
10	HQAM	25	25	17.80	17.95	17.78			
10	HQAM	1	0	17.81	17.81	17.81	19.5	0	
10	HQAM	1	0	17.88	17.77	17.78			
10	HQAM	1	25	17.80	17.83	17.84			
10	HQAM	25	0	17.89	17.89	17.89			
10	HQAM	25	0	17.89	17.87	17.69	19.5	0	
10	HQAM	25	12	17.70	17.76	17.74			
10	HQAM	25	12	17.87	17.87	17.87			
10	HQAM	50	0	17.94	17.70	17.82	19.5	0	
10	HQAM	50	0	17.94	17.70	17.82			
10	HQAM	50	0	17.94	17.70	17.82			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.93	17.93	17.93	Turnup limit (dB)	MPR (dB)	
5	QPSK	1	12	17.86	17.82	17.62			
5	QPSK	1	24	17.86	17.77	17.65			
5	QPSK	1	36	17.84	17.88	17.88			
5	QPSK	12	7	17.75	17.83	17.74	19.5	0	
5	QPSK	12	13	17.84	17.81	17.79			
5	QPSK	12	13	17.73	17.80	17.83			
5	HQAM	1	0	17.69	17.84	17.82	19.5	0	
5	HQAM	1	12	17.84	17.96	17.62			
5	HQAM	1	12	17.84	17.96	17.62			
5	HQAM	12	0	17.71	17.78	17.65			
5	HQAM	12	0	17.89	17.90	17.77	19.5	0	
5	HQAM	12	13	17.84	17.84	17.84			
5	HQAM	25	0	17.83	17.78	17.72			
5	HQAM	12	13	17.86	17.86	17.87	19.5	0	
5	HQAM	1	12	17.80	17.91	17.91			
5	HQAM	1	24	17.67	17.83	17.78			
5	HQAM	1	24	17.84	17.84	17.84			
5	HQAM	12	7	17.74	17.76	17.76	19.5	0	
5	HQAM	12	13	17.84	17.85	17.84			
5	HQAM	12	13	17.84	17.85	17.84			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.93	17.93	17.93	Turnup limit (dB)	MPR (dB)	
3	QPSK	1	14	17.74	17.79	17.83			
3	QPSK	8	0	17.86	17.91	17.60			
3	QPSK	8	7	17.75	17.81	17.83			
3	QPSK	8	7	17.82	17.76	17.67	19.5	0	
3	QPSK	16	0	17.70	17.76	17.69			
3	QPSK	16	0	17.78	17.83	17.80			
3	HQAM	1	8	17.88	17.62	17.60	19.5	0	
3	HQAM	1	14	17.81	17.78	17.60			
3	HQAM	8	0	17.79	17.92	17.73			
3	HQAM	8	4	17.83	17.86	17.80			
3	HQAM	8	4	17.79	17.92	17.73	19.5	0	
3	HQAM	8	4	17.78	17.86	17.83			
3	HQAM	16	0	17.82	17.82	17.82			
3	HQAM	1	16	17.85	17.87	17.84	19.5	0	
3	HQAM	1	16	17.79	17.85	17.85			
3	HQAM	8	0	17.85	17.79	17.70			
3	HQAM	8	4	17.73	17.76	17.70			
3	HQAM	8	4	17.76	17.85	17.83	19.5	0	
3	HQAM	16	0	17.84	17.81	17.80			
3	HQAM	16	0	17.84	17.81	17.80			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.91	17.94	17.92	Turnup limit (dB)	MPR (dB)	
1.4	QPSK	1	8	17.72	17.83	17.77			
1.4	QPSK	1	16	17.76	17.81	17.68			
1.4	QPSK	3	0	17.85	17.84	17.81			
1.4	QPSK	3	0	17.79	17.79	17.76	19.5	0	
1.4	QPSK	3	8	17.76	17.88	17.83			
1.4	QPSK	6	0	17.75	17.86	17.77			
1.4	HQAM	1	0	17.77	17.76	17.63	19.5	0	
1.4	HQAM	1	8	17.79	17.85	17.78			
1.4	HQAM	1	16	17.71	17.88	17.63			
1.4	HQAM	3	0	17.76	17.81	17.67			
1.4	HQAM	3	0	17.88	17.88	17.83	19.5	0	
1.4	HQAM	3	8	17.84	17.94	17.83			
1.4	HQAM	6	0	17.77	17.79	17.63			
1.4	HQAM	3	0	17.77	17.79	17.63	19.5	0	
1.4	HQAM	3	8	17.77	17.87	17.83			
1.4	HQAM	6	0	17.72	17.81	17.75			
1.4	HQAM	1	0	17.71	17.85	17.80	19.5	0	
1.4	HQAM	1	8	17.72	17.81	17.75			
1.4	HQAM	1	16	17.78	17.77	17.68			
1.4	HQAM	3	0	17.75	17.78	17.77			
1.4	HQAM	3	0	17.79	17.85	17.81	19.5	0	
1.4	HQAM	3	8	17.74	17.84	17.84			
1.4	HQAM	6	0	17.79	17.85	17.77			



Band 13 Ant0 DSI6											
BW (MHz)	Modulation	RB Size	RB Offset	Power/Ch / Freq	Power/Ch / Freq	Power/Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.66	22.72	22.88	24	0			
10	QPSK	1	25	22.84	22.82	22.83					
10	QPSK	1	49	22.81	22.85	22.88					
10	QPSK	25	0	21.82	21.84	21.81					
10	QPSK	25	12	21.44	21.89	21.43	23	1			
10	QPSK	25	25	21.82	21.86	21.48					
10	QPSK	50	0	21.87	21.81	21.53					
10	HQAM	1	0	21.79	21.88	21.83					
10	HQAM	1	25	21.71	21.84	21.70	23	1			
10	HQAM	1	49	21.67	21.80	21.71					
10	HQAM	25	0	20.89	20.84	20.95					
10	HQAM	25	12	20.80	20.89	20.83					
10	HQAM	25	25	20.42	20.86	20.82	22	2			
10	HQAM	50	0	20.46	20.89	20.83					
10	HQAM	1	0	20.70	20.74	20.59					
10	HQAM	1	25	20.76	20.82	20.72					
10	HQAM	1	49	20.72	20.76	20.71	21	3			
10	HQAM	25	0	19.81	19.86	19.89					
10	HQAM	25	12	19.87	19.82	19.83					
10	HQAM	25	25	19.80	19.87	19.45					
10	HQAM	50	0	19.80	19.85	19.82					
Channel											
Frequency (MHz)											
8	QPSK	1	0	22.66	22.67	22.65	24	0			
8	QPSK	1	12	22.50	22.48	22.45					
8	QPSK	1	24	22.44	22.82	22.45					
8	QPSK	12	0	21.46	21.84	21.82					
8	QPSK	12	7	21.33	21.80	21.34	23	1			
8	QPSK	12	13	21.48	21.48	21.38					
8	QPSK	25	0	21.47	21.87	21.43					
8	HQAM	1	0	21.89	21.80	21.73					
8	HQAM	1	12	21.88	21.77	21.85	23	1			
8	HQAM	1	24	21.86	21.70	21.88					
8	HQAM	12	0	20.85	20.86	20.48					
8	HQAM	12	7	20.80	20.89	20.87					
8	HQAM	12	13	20.36	20.46	20.42	22	2			
8	HQAM	25	0	20.46	20.84	20.41					
8	HQAM	1	0	20.87	20.82	20.82					
8	HQAM	1	12	20.68	20.71	20.62					
8	HQAM	1	24	20.63	20.66	20.67	21	3			
8	HQAM	12	0	19.44	19.89	19.82					
8	HQAM	12	7	19.46	19.85	19.48					
8	HQAM	12	13	19.43	19.43	19.43					
8	HQAM	25	0	19.44	19.48	19.45					

Band 26 Ant0 DSI6															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (%)	Power Middle Ch / Freq (%)	Power High Ch / Freq (%)	Turn-up limit (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
15	QPSK	1	0	22.69	22.76	22.83	24	0							
15	QPSK	1	37	22.48	22.81	22.82									
15	QPSK	1	74	22.44	22.86	22.42									
15	QPSK	38	0	21.89	21.83	21.81									
15	QPSK	38	20	21.88	21.88	21.47	23	1							
15	QPSK	38	38	21.48	21.84	21.50									
15	QPSK	75	0	21.83	21.88	21.48									
15	HQAM	1	0	21.88	21.74	21.81									
15	HQAM	1	37	21.70	21.82	21.69	23	1							
15	HQAM	1	74	21.72	21.75	21.67									
15	HQAM	38	0	20.88	20.86	20.84									
15	HQAM	38	20	20.88	20.89	20.83									
15	HQAM	38	38	20.84	20.88	20.84	22	2							
15	HQAM	75	0	20.88	20.82	20.87									
15	HQAM	1	0	20.67	20.76	20.63									
15	HQAM	1	37	20.85	20.71	20.82									
15	HQAM	1	49	20.81	20.81	20.85	21	3							
15	HQAM	38	0	19.85	19.82	19.88									
15	HQAM	38	20	19.81	19.88	19.88									
15	HQAM	38	38	19.45	19.88	19.47									
15	HQAM	75	0	19.48	19.80	19.86									
Channel															
Frequency (MHz)															
10	QPSK	1	0	22.82	22.88	22.49	24	0							
10	QPSK	1	25	22.37	22.80	22.45									
10	QPSK	1	49	22.31	22.48	22.37									
10	QPSK	28	0	21.82	21.80	21.41									
10	QPSK	25	12	21.41	21.82	21.43	23	1							
10	QPSK	25	13	21.44	21.44	21.36									
10	QPSK	50	0	21.47	21.48	21.41									
10	HQAM	1	0	21.85	21.84	21.84									
10	HQAM	1	25	21.79	21.72	21.84	23	1							
10	HQAM	1	49	21.68	21.83	21.87									
10	HQAM	25	0	20.81	20.89	20.47									
10	HQAM	25	12	20.86	20.84	20.88									
10	HQAM	25	25	20.43	20.85	20.46	22	2							
10	HQAM	50	0	20.47	20.86	20.44									
10	HQAM	1	0	20.81	20.82	20.83									
10	HQAM	1	25	20.83	20.84	20.89									
10	HQAM	1	49	20.47	20.81	20.81	21	3							
10	HQAM	25	0	19.48	19.83	19.48									
10	HQAM	25	12	19.38	19.84	19.81									
10	HQAM	25	25	19.33	19.53	19.35									
10	HQAM	50	0	19.40	19.82	19.48									
Channel															
Frequency (MHz)															
5	QPSK	1	0	22.80	22.89	22.44	24	0							
5	QPSK	1	12	22.38	22.82	22.41									
5	QPSK	1	24	22.31	22.46	22.37									
5	QPSK	12	0	21.80	21.80	21.46									
5	QPSK	12	7	21.46	21.44	21.43	23	1							
5	QPSK	12	13	21.81	21.42	21.42									
5	QPSK	25	0	21.47	21.47	21.39									
5	HQAM	1	0	21.86	21.83	21.82									
5	HQAM	1	12	21.74	21.74	21.88	23	1							
5	HQAM	1	24	21.68	21.85	21.82									
5	HQAM	12	0	20.47	20.83	20.46									
5	HQAM	12	7	20.46	20.80	20.89									
5	HQAM	12	13	20.44	20.87	20.42	22	2							
5	HQAM	25	0	20.41	20.48	20.81									
5	HQAM	1	0	20.87	20.82	20.82									
5	HQAM	1	12	20.84	20.85	20.87									
5	HQAM	1	24	20.42	20.80	20.41	21	3							
5	HQAM	12	0	19.48	19.83	19.48									
5	HQAM	12	7	19.48	19.82	19.44									
5	HQAM	12	13	19.33	19.49	19.40									
5	HQAM	25	0	19.32	19.82	19.81									

Band 7 Ant1 DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			2050	2110	2150		
	Frequency (MHz)			2510	2535	2560		
20	QPSK	1	0	18.95	19.08	19.01	20.5	0
20	QPSK	1	49	18.84	18.94	18.86		
20	QPSK	1	99	18.90	18.96	18.86		
20	QPSK	50	0	18.94	19.01	18.92	20.5	0
20	QPSK	50	24	18.82	18.91	18.87		
20	QPSK	50	50	18.87	18.97	18.86		
20	QPSK	100	0	18.86	18.98	18.91	20.5	0
20	16QAM	1	0	18.85	18.94	18.85		
20	16QAM	1	49	18.81	18.93	18.86		
20	16QAM	1	99	18.94	19.01	18.96	20.5	0
20	16QAM	50	0	18.85	18.98	18.95		
20	16QAM	50	24	18.92	19.01	18.93		
20	16QAM	50	50	18.87	18.98	18.90	20.5	0
20	16QAM	100	0	18.83	18.97	18.94		
20	64QAM	1	0	18.65	18.98	18.87	20.5	0
20	64QAM	1	49	18.89	19.00	18.88		
20	64QAM	1	99	18.97	19.01	18.91		
20	64QAM	50	0	18.97	19.00	18.88	20.5	0
20	64QAM	50	24	18.93	18.99	18.94		
20	64QAM	50	50	18.97	19.04	18.93		
20	64QAM	100	0	18.93	19.04	18.96	20.5	0
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.67	18.99	18.88	20.5	0
15	QPSK	1	37	18.74	18.81	18.81		
15	QPSK	1	74	18.77	18.89	18.73		
15	QPSK	36	0	18.83	18.92	18.82	20.5	0
15	QPSK	36	20	18.72	18.82	18.78		
15	QPSK	36	39	18.74	18.91	18.80		
15	QPSK	75	0	18.74	18.91	18.80	20.5	0
15	16QAM	1	0	18.75	18.86	18.71		
15	16QAM	1	37	18.71	18.86	18.80		
15	16QAM	1	74	18.82	18.88	18.87	20.5	0
15	16QAM	36	0	18.78	18.86	18.83		
15	16QAM	36	20	18.78	18.88	18.82		
15	16QAM	36	39	18.74	18.89	18.77	20.5	0
15	16QAM	75	0	18.77	18.92	18.84		
15	64QAM	1	0	18.75	18.89	18.76		
15	64QAM	1	37	18.75	18.89	18.79	20.5	0
15	64QAM	1	74	18.83	18.89	18.86		
15	64QAM	36	0	18.93	18.89	18.78		
15	64QAM	36	20	18.84	18.91	18.81	20.5	0
15	64QAM	36	39	18.82	18.98	18.85		
15	64QAM	75	0	18.80	18.88	18.83		
Channel				20900	21100	21400	20.5	0
Frequency (MHz)				2509	2535	2565		
10	QPSK	1	0	18.86	19.03	18.87		
10	QPSK	1	25	18.75	18.84	18.83	20.5	0
10	QPSK	1	49	18.85	18.90	18.75		
10	QPSK	25	0	18.80	18.96	18.84		
10	QPSK	25	12	18.69	18.87	18.75	20.5	0
10	QPSK	25	25	18.77	18.83	18.75		
10	QPSK	50	0	18.80	18.85	18.87		
10	16QAM	1	0	18.80	18.86	18.78	20.5	0
10	16QAM	1	25	18.73	18.82	18.80		
10	16QAM	1	49	18.91	18.90	18.87		
10	16QAM	25	0	18.79	18.92	18.86	20.5	0
10	16QAM	25	12	18.88	18.91	18.90		
10	16QAM	25	25	18.79	18.91	18.84		
10	16QAM	50	0	18.69	18.83	18.91	20.5	0
10	64QAM	1	0	18.75	18.83	18.73		
10	64QAM	1	25	18.80	18.97	18.84		
10	64QAM	1	49	18.87	18.88	18.83	20.5	0
10	64QAM	25	0	18.90	18.94	18.84		
10	64QAM	25	12	18.87	18.85	18.84		
10	64QAM	25	25	18.92	18.94	18.82	20.5	0
10	64QAM	50	0	18.86	19.01	18.92		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.84	18.98	18.97	20.5	0
5	QPSK	1	12	18.80	18.82	18.79		
5	QPSK	1	24	18.81	18.86	18.75		
5	QPSK	12	0	18.82	18.97	18.78	20.5	0
5	QPSK	12	7	18.70	18.85	18.80		
5	QPSK	12	13	18.81	18.83	18.82		
5	QPSK	25	0	18.74	18.85	18.86	20.5	0
5	16QAM	1	0	18.77	18.86	18.75		
5	16QAM	1	12	18.76	18.83	18.74		
5	16QAM	1	24	18.88	18.95	18.87	20.5	0
5	16QAM	12	0	18.78	18.91	18.82		
5	16QAM	12	7	18.83	18.93	18.80		
5	16QAM	12	13	18.81	18.92	18.81	20.5	0
5	16QAM	25	0	18.78	18.85	18.91		
5	64QAM	1	0	18.78	18.90	18.82		
5	64QAM	1	12	18.75	18.92	18.81	20.5	0
5	64QAM	1	24	18.92	18.97	18.83		
5	64QAM	12	0	18.87	18.96	18.75		
5	64QAM	12	7	18.81	18.93	18.89	20.5	0
5	64QAM	12	13	18.83	18.97	18.86		
5	64QAM	25	0	18.84	18.96	18.90		

Band 38 Ant1 DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	0	22.72	22.85	22.78	24	0	
20	QPSK	1	49	22.77	22.83	22.74			
20	QPSK	1	99	22.84	22.88	22.83			
20	QPSK	50	0	21.70	21.84	21.82	23	1	
20	QPSK	50	24	21.77	21.80	21.72			
20	QPSK	50	50	21.60	21.71	21.67			
20	QPSK	100	0	21.70	21.83	21.77	23	1	
20	16QAM	1	0	21.76	21.83	21.80			
20	16QAM	1	49	21.87	22.00	21.92			
20	16QAM	1	99	21.62	21.76	21.66	22	2	
20	16QAM	50	0	20.76	20.83	20.78			
20	16QAM	50	24	20.81	20.86	20.76			
20	16QAM	50	50	20.63	20.73	20.66	22	2	
20	16QAM	100	0	20.71	20.82	20.74			
20	64QAM	1	0	20.28	20.39	20.33			
20	64QAM	1	49	20.50	20.59	20.48	22	2	
20	64QAM	1	99	20.24	20.32	20.26			
20	64QAM	50	0	19.78	19.86	19.78			
20	64QAM	50	24	19.60	19.87	19.79	21	3	
20	64QAM	50	50	19.63	19.76	19.63			
20	64QAM	100	0	19.74	19.84	19.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.60	22.75	22.74	24	0	
15	QPSK	1	37	22.67	22.72	22.71			
15	QPSK	1	74	22.57	22.59	22.59			
15	QPSK	36	0	21.57	21.80	21.72	23	1	
15	QPSK	36	20	21.67	21.69	21.58			
15	QPSK	36	39	21.56	21.59	21.59			
15	QPSK	75	0	21.60	21.76	21.65	23	1	
15	16QAM	1	0	21.62	21.69	21.68			
15	16QAM	1	37	21.81	21.91	21.78			
15	16QAM	1	74	21.50	21.70	21.61	22	2	
15	16QAM	36	0	20.71	20.72	20.70			
15	16QAM	36	20	20.73	20.77	20.67			
15	16QAM	36	39	20.58	20.63	20.53	22	2	
15	16QAM	75	0	20.67	20.70	20.63			
15	64QAM	1	0	20.20	20.30	20.30			
15	64QAM	1	37	20.35	20.45	20.38	22	2	
15	64QAM	1	74	20.13	20.29	20.19			
15	64QAM	36	0	19.71	19.79	19.68			
15	64QAM	36	20	19.74	19.73	19.69	21	3	
15	64QAM	36	39	19.53	19.70	19.54			
15	64QAM	75	0	19.68	19.72	19.61			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.58	22.76	22.66	24	0	
10	QPSK	1	25	22.63	22.76	22.63			
10	QPSK	1	49	22.58	22.61	22.56			
10	QPSK	25	0	21.55	21.79	21.76	23	1	
10	QPSK	25	12	21.63	21.69	21.68			
10	QPSK	25	25	21.50	21.61	21.54			
10	QPSK	50	0	21.59	21.72	21.62	23	1	
10	16QAM	1	0	21.71	21.69	21.74			
10	16QAM	1	25	21.81	21.90	21.85			
10	16QAM	1	49	21.56	21.73	21.52	23	1	
10	16QAM	25	0	20.70	20.75	20.66			
10	16QAM	25	12	20.77	20.74	20.62			
10	16QAM	25	25	20.50	20.63	20.62	22	2	
10	16QAM	50	0	20.65	20.69	20.63			
10	64QAM	1	0	20.19	20.26	20.19			
10	64QAM	1	25	20.39	20.46	20.43	22	2	
10	64QAM	1	49	20.09	20.20	20.13			
10	64QAM	25	0	19.72	19.74	19.69			
10	64QAM	25	12	19.75	19.77	19.66	21	3	
10	64QAM	25	25	19.51	19.70	19.49			
10	64QAM	50	0	19.59	19.71	19.70			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.60	22.82	22.84	24	0	
5	QPSK	1	12	22.67	22.77	22.66			
5	QPSK	1	24	22.59	22.58	22.56			
5	QPSK	12	0	21.60	21.79	21.69	23	1	
5	QPSK	12	7	21.62	21.72	21.60			
5	QPSK	12	13	21.56	21.58	21.55			
5	QPSK	25	0	21.55	21.78	21.67	23	1	
5	16QAM	1	0	21.73	21.74	21.67			
5	16QAM	1	12	21.84	21.92	21.81			
5	16QAM	1	24	21.55	21.65	21.56	22	2	
5	16QAM	12	0	20.65	20.71	20.71			
5	16QAM	12	7	20.75	20.76	20.72			
5	16QAM	12	13	20.51	20.66	20.62	22	2	
5	16QAM	25	0	20.65	20.76	20.61			
5	64QAM	1	0	20.14	20.34	20.28			
5	64QAM	1	12	20.36	20.51	20.41	22	2	
5	64QAM	1	24	20.19	20.20	20.15			
5	64QAM	12	0	19.66	19.82	19.74			
5	64QAM	12	7	19.69	19.77	19.70	21	3	
5	64QAM	12	13	19.58	19.70	19.53			
5	64QAM	25	0	19.66	19.73	19.70			

Band 41 Ant1 DSI6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.60	22.47	22.88	22.68	22.76	24	0	
20	QPSK	1	49	22.64	22.71	22.76	22.72	22.72			
20	QPSK	1	99	22.55	22.54	22.67	22.56	22.63			
20	QPSK	50	0	21.59	21.49	21.78	21.66	21.76	23	1	
20	QPSK	50	24	21.57	21.60	21.72	21.61	21.69			
20	QPSK	50	50	21.55	21.59	21.68	21.63	21.62			
20	QPSK	100	0	21.61	21.41	21.72	21.54	21.65	23	1	
20	16QAM	1	0	21.57	21.61	21.69	21.64	21.57			
20	16QAM	1	49	21.52	21.46	21.49	21.47	21.43			
20	16QAM	1	99	21.69	21.73	21.79	21.76	21.74	22	2	
20	16QAM	50	0	20.64	20.65	20.69	20.62	20.61			
20	16QAM	50	24	20.67	20.71	20.79	20.64	20.74			
20	16QAM	50	50	20.64	20.68	20.73	20.67	20.69	22	2	
20	16QAM	100	0	20.64	20.71	20.74	20.64	20.64			
20	64QAM	1	0	20.30	20.38	20.43	20.38	20.29			
20	64QAM	1	49	20.47	20.56	20.61	20.55	20.48	22	2	
20	64QAM	1	99	20.32	20.37	20.47	20.39	20.41			
20	64QAM	50	0	19.57	19.66	19.71	19.61	19.63			
20	64QAM	50	24	19.75	19.74	19.81	19.72	19.78	21	3	
20	64QAM	50	50	19.67	19.63	19.75	19.66	19.72			
20	64QAM	100	0	19.65	19.63	19.77	19.68	19.72			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.51	22.35	22.80	22.58	22.68	24.00	0	
15	QPSK	1	49	22.50	22.63	22.68	22.58	22.63			
15	QPSK	1	74	22.44	22.41	22.64	22.41	22.51			
15	QPSK	36	0	21.52	21.38	21.73	21.52	21.66	23	1	
15	QPSK	36	20	21.50	21.50	21.63	21.55	21.65			
15	QPSK	36	39	21.50	21.48	21.54	21.50	21.50			
15	QPSK	36	0	21.56	21.35	21.61	21.43	21.58	23	1	
15	16QAM	1	0	21.50	21.55	21.57	21.59	21.53			
15	16QAM	1	37	21.47	21.34	21.37	21.34	21.29			
15	16QAM	1	74	21.66	21.65	21.65	21.61	21.62	22	2	
15	16QAM	36	0	20.51	20.45	20.57	20.50	20.48			
15	16QAM	36	20	20.54	20.57	20.57	20.54	20.56			
15	16QAM	36	39	20.57	20.63	20.62	20.59	20.57	22	2	
15	16QAM	75	0	20.56	20.67	20.66	20.58	20.60			
15	64QAM	1	0	20.19	20.33	20.39	20.31	20.17			
15	64QAM	1	37	20.34	20.45	20.51	20.40	20.43	22	2	
15	64QAM	1	74	20.25	20.33	20.35	20.27	20.26			
15	64QAM	36	0	19.43	19.56	19.62	19.52	19.58			
15	64QAM	36	20	19.69	19.61	19.69	19.62	19.69	21	3	
15	64QAM	36	39	19.59	19.60	19.60	19.58	19.58			
15	64QAM	75	0	19.56	19.53	19.68	19.63	19.58			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2499	2542	2593	2639	2685			
10	QPSK	1	0	22.47	22.40	22.74	22.61	22.65	24.00	0	
10	QPSK	1	25	22.52	22.57	22.64	22.58	22.64			
10	QPSK	1	49	22.50	22.40	22.59	22.46	22.50			
10	QPSK	25	0	21.45	21.37	21.75	21.58	21.63	23	1	
10	QPSK	25	12	21.45	21.52	21.65	21.48	21.57			
10	QPSK	25	25	21.46	21.52	21.55	21.55	21.53			
10	QPSK	50	0	21.49	21.35	21.66	21.49	21.54	23	1	
10	16QAM	1	0	21.50	21.54	21.65	21.51	21.49			
10	16QAM	1	25	21.48	21.37	21.41	21.42	21.41			
10	16QAM	1	49	21.60	21.62	21.75	21.61	21.62	22	2	
10	16QAM	25	0	20.55	20.57	20.56	20.55	20.58			
10	16QAM	25	12	20.56	20.67	20.69	20.58	20.60			
10	16QAM	25	25	20.60	20.67	20.63	20.60	20.60	22	2	
10	16QAM	50	0	20.61	20.66	20.70	20.58	20.54			
10	64QAM	1	0	20.27	20.23	20.30	20.32	20.16			
10	64QAM	1	25	20.41	20.49	20.55	20.49	20.43	22	2	
10	64QAM	1	49	20.29	20.30	20.33	20.29	20.37			
10	64QAM	25	0	19.43	19.54	19.64	19.55	19.60			
10	64QAM	25	12	19.62	19.68	19.73	19.65	19.74	21	3	
10	64QAM	25	25	19.56	19.53	19.69	19.62	19.62			
10	64QAM	50	0	19.59	19.53	19.65	19.54	19.64			
Channel				39675	40143	40620	41093	41595	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.51	22.43	22.85	22.55	22.67	24.00	0	
5	QPSK	1	12	22.59	22.65	22.72	22.66	22.68			
5	QPSK	1	25	22.51	22.43	22.63	22.43	22.51			
5	QPSK	12	0	21.56	21.44	21.74	21.60	21.67	23	1	
5	QPSK	12	7	21.49	21.53	21.57	21.58	21.54			
5	QPSK	12	13	21.45	21.46	21.63	21.52	21.50			
5	QPSK	25	0	21.46	21.28	21.59	21.49	21.55	23	1	
5	16QAM	1	0	21.49	21.50	21.61	21.50	21.48			
5	16QAM	12	21	21.46	21.42	21.47	21.37	21.31			
5	16QAM	1	24	21.66	21.70	21.68	21.66	21.67	22	2	
5	16QAM	12	0	20.56	20.55	20.58	20.51	20.48			
5	16QAM	12	7	20.62	20.63	20.73	20.57	20.62			
5	16QAM	12	13	20.50	20.55	20.65	20.60	20.56	22	2	
5	16QAM	20	0	20.59	20.57	20.57	20.52	20.53			
5	64QAM	1	0	20.26	20.32	20.37	20.26	20.19			
5	64QAM	1	12	20.37	20.48	20.54	20.51	20.45	22	2	
5	64QAM	1	24	20.23	20.29	20.35	20.25	20.36			
5	64QAM	12	0	19.46	19.61	19.62	19.48	19.59			
5	64QAM	12	7	19.68	19.68	19.68	19.61	19.61	21	3	
5	64QAM	12	13	19.56	19.58	19.66	19.53	19.64			
5	64QAM	25	0	19.58	19.54	19.70	19.55	19.58			

Reduced Power Mode for DSI 7

GSM850 Anti0 DSI7							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		Tune-up Limit (dBm)
	126	166	251		126	166	
TX Frequency (MHz)	824.2	834.4	844.6	824.2	834.4	844.6	
GSM 1 Tx slot	30.84	31.07	30.89	32.00	21.94	22.07	21.89
GPRS 1 Tx slot	30.83	31.03	30.83	32.00	21.83	22.03	21.83
GPRS 2 Tx slots	28.22	28.35	28.27	29.50	22.22	22.35	22.27
GPRS 3 Tx slots	26.04	26.28	26.07	27.50	21.78	22.02	21.81
GPRS 4 Tx slots	24.35	24.44	24.31	25.50	21.35	21.44	21.31
EDGE 1 Tx slot	24.20	24.42	24.31	26.00	15.20	15.42	15.31
EDGE 2 Tx slots	22.52	22.60	22.54	24.00	16.52	16.60	16.54
EDGE 3 Tx slots	20.59	20.81	20.69	22.00	16.33	16.55	16.43
EDGE 4 Tx slots	18.72	18.85	18.72	20.00	15.72	15.85	15.72

GSM1900 Anti DSI7									
GSM1900		Burst-Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	1502	661	810	1500	512	661	810	1500	
Frequency (MHz)	1502.2	1500	1503.8	1502.2	1502.2	1502.2	1500	1503.8	
GSM 1 Tx slot	23.79	23.91	23.86	25.50	14.79	14.91	14.86	16.50	
GPRS 1 Tx slot	23.73	23.86	23.78	25.50	14.73	14.86	14.78	16.50	
GPRS 2 Tx slots	21.67	21.86	21.73	23.00	15.67	15.86	15.73	17.00	
GPRS 3 Tx slots	19.68	19.85	19.66	20.50	15.42	15.59	15.40	16.24	
GPRS 4 Tx slots	17.46	17.62	17.75	18.00	14.46	14.62	14.75	16.00	
EDGE 1 Tx slot	20.22	20.40	20.20	21.50	11.22	11.40	11.20	12.50	
EDGE 2 Tx slots	17.33	17.46	17.32	18.50	11.33	11.46	11.32	12.50	
EDGE 3 Tx slots	16.17	16.41	16.29	17.50	11.91	12.15	12.03	13.24	
EDGE 4 Tx slots	14.05	14.36	14.22	15.50	11.05	11.36	11.22	12.50	

	WCDMA E Anti0 DSI7				Tune-up Limit (dBm)	WCDMA V Anti0 DSI7				Tune-up Limit (dBm)	WCDMA V Anti0 DSI7				Tune-up Limit (dBm)
	Band	WCDMA E	WCDMA E	WCDMA E		WCDMA V	WCDMA V	WCDMA V	WCDMA V						
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		4357	4407	4456
Frequency (MHz)	9662	9800	9938		1537	1638	1738		4357	4407	4456		4357	4407	4456
Frequency (MHz)	1522.2	1600	1507.2		1212.2	1276.2	1340.2		206.2	132.2	305.2		206.2	132.2	305.2
3GPP Rel 99	AMR 12.2Kbps	17.05	16.95	16.94	18.00	14.59	14.79	14.72	16.00	21.98	22.16	22.04	23.50		
3GPP Rel 99	RMC 12.2Kbps	17.12	17.16	17.00	18.00	14.61	14.86	14.74	16.00	22.10	22.23	22.14	23.50		
3GPP Rel 6	HSDPA Subtest-1	16.09	16.03	15.99	17.00	13.94	13.79	13.91	15.00	21.25	21.35	21.13	22.50		
3GPP Rel 6	HSDPA Subtest-2	16.32	16.26	16.36	17.00	13.62	13.86	13.75	15.00	21.06	21.10	21.28	22.50		
3GPP Rel 6	HSDPA Subtest-3	15.32	15.46	15.64	16.50	13.31	13.54	13.15	14.50	20.46	20.71	20.59	22.00		
3GPP Rel 6	HSDPA Subtest-4	15.43	15.54	15.24	16.50	13.16	13.16	13.15	14.50	20.53	20.58	20.56	22.00		
3GPP Rel 8	DC-HSDPA Subtest-1	16.13	16.18	15.91	17.00	13.86	14.07	13.79	15.00	20.95	21.02	21.05	22.50		
3GPP Rel 8	DC-HSDPA Subtest-2	16.04	15.84	16.09	17.00	13.86	13.73	14.10	15.00	20.96	21.07	21.10	22.50		
3GPP Rel 8	DC-HSDPA Subtest-3	15.45	15.34	15.53	16.50	13.03	13.39	13.39	14.50	20.22	20.68	20.58	22.00		
3GPP Rel 8	DC-HSDPA Subtest-4	15.56	15.69	15.84	16.50	13.11	13.37	13.39	14.50	20.30	20.59	20.58	22.00		
3GPP Rel 6	HSUPA Subtest-1	15.97	16.14	16.21	17.00	13.93	14.02	14.07	15.00	21.06	21.12	21.04	22.50		
3GPP Rel 6	HSUPA Subtest-2	14.02	14.10	13.90	15.00	11.73	11.99	11.75	13.00	19.17	19.26	19.21	20.50		
3GPP Rel 6	HSUPA Subtest-3	15.25	15.23	15.05	16.00	12.71	12.93	12.91	14.00	19.92	20.25	20.00	21.50		
3GPP Rel 6	HSUPA Subtest-4	13.67	13.81	13.83	15.00	11.84	11.77	11.87	13.00	19.12	19.07	19.09	20.50		
3GPP Rel 6	HSUPA Subtest-5	16.22	16.01	15.81	17.00	13.99	14.23	13.95	15.00	21.10	21.19	21.07	22.50		
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	13.52	13.71	13.47	14.50	11.50	11.64	11.50	12.50	18.71	18.86	18.64	20.00		



Band 2 Ant0 DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 18700	Power Hsp / Freq 19000	Power Hsp / Freq 19100	Turn-up init (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.81	15.97	15.79	17.5	0		
20	QPSK	1	49	15.86	15.96	15.84				
20	QPSK	1	99	15.81	15.85	15.81				
20	QPSK	50	0	15.79	15.84	15.84				
20	QPSK	50	24	15.79	15.87	15.78	17.5	0		
20	QPSK	50	50	15.79	15.82	15.78				
20	QPSK	100	0	15.88	15.94	15.79				
20	QPSK	100	24	15.88	15.96	15.87				
20	16QAM	1	49	15.76	15.87	15.73	17.5	0		
20	16QAM	1	99	15.77	15.86	15.75				
20	16QAM	50	0	15.88	15.91	15.87				
20	16QAM	50	24	15.83	15.89	15.76				
20	16QAM	50	50	15.83	15.89	15.76	17.5	0		
20	16QAM	100	0	15.84	15.93	15.79				
20	16QAM	100	0	15.82	15.90	15.81				
20	16QAM	100	24	15.82	15.92	15.86				
20	16QAM	100	50	15.78	15.91	15.81	17.5	0		
20	16QAM	50	0	15.84	15.90	15.80				
20	16QAM	50	24	15.83	15.84	15.87				
20	16QAM	50	50	15.71	15.85	15.76				
20	16QAM	100	0	15.78	15.92	15.89	17.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	15.82	15.99	15.88	17.5	0		
15	QPSK	1	37	15.81	15.91	15.77				
15	QPSK	1	74	15.87	15.93	15.82				
15	QPSK	36	0	15.69	15.77	15.70				
15	QPSK	36	20	15.67	15.81	15.64	17.5	0		
15	QPSK	36	39	15.67	15.81	15.64				
15	QPSK	75	0	15.77	15.81	15.76				
15	QPSK	100	0	15.74	15.83	15.71				
15	16QAM	1	49	15.62	15.79	15.73	17.5	0		
15	16QAM	1	74	15.71	15.81	15.76				
15	16QAM	36	0	15.83	15.83	15.74				
15	16QAM	36	20	15.79	15.79	15.74				
15	16QAM	36	39	15.76	15.81	15.71	17.5	0		
15	16QAM	75	0	15.73	15.77	15.69				
15	16QAM	100	0	15.73	15.77	15.69				
15	16QAM	100	24	15.71	15.89	15.76				
15	16QAM	100	50	15.77	15.79	15.76	17.5	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	15.77	15.92	15.87	17.5	0		
10	QPSK	1	25	15.81	15.90	15.77				
10	QPSK	1	49	15.71	15.86	15.83				
10	QPSK	25	0	15.71	15.84	15.78				
10	QPSK	25	12	15.67	15.82	15.75	17.5	0		
10	QPSK	25	25	15.73	15.80	15.73				
10	QPSK	50	0	15.74	15.87	15.73				
10	QPSK	50	0	15.82	15.86	15.70				
10	16QAM	1	25	15.73	15.83	15.81	17.5	0		
10	16QAM	1	49	15.76	15.81	15.87				
10	16QAM	25	0	15.77	15.90	15.74				
10	16QAM	25	12	15.72	15.79	15.73				
10	16QAM	25	25	15.72	15.84	15.69	17.5	0		
10	16QAM	50	0	15.76	15.84	15.89				
10	16QAM	50	0	15.76	15.84	15.89				
10	16QAM	50	24	15.78	15.86	15.78				
10	16QAM	100	0	15.78	15.82	15.76	17.5	0		
10	16QAM	100	24	15.77	15.89	15.84				
10	16QAM	100	50	15.76	15.89	15.84				
10	16QAM	100	50	15.76	15.89	15.84				
Channel										
Frequency (MHz)										
5	QPSK	1	0	15.82	15.87	15.89	17.5	0		
5	QPSK	1	12	15.72	15.86	15.73				
5	QPSK	1	24	15.78	15.86	15.83				
5	QPSK	12	0	15.86	15.85	15.73				
5	QPSK	12	7	15.83	15.73	15.88	17.5	0		
5	QPSK	12	13	15.87	15.79	15.73				
5	QPSK	25	0	15.84	15.79	15.77				
5	16QAM	1	12	15.87	15.89	15.86				
5	16QAM	1	24	15.74	15.73	15.63	17.5	0		
5	16QAM	12	0	15.73	15.81	15.82				
5	16QAM	12	7	15.74	15.83	15.86				
5	16QAM	12	13	15.77	15.79	15.73				
5	16QAM	20	0	15.73	15.78	15.68	17.5	0		
5	16QAM	20	0	15.69	15.88	15.72				
5	16QAM	25	0	15.77	15.82	15.76				
5	16QAM	25	12	15.86	15.81	15.71				
5	16QAM	12	6	15.78	15.84	15.77	17.5	0		
5	16QAM	12	6	15.86	15.83	15.76				
5	16QAM	12	13	15.86	15.73	15.85				
5	16QAM	25	0	15.69	15.88	15.76				
Channel										
Frequency (MHz)										
3	QPSK	1	0	15.69	15.87	15.72	17.5	0		
3	QPSK	1	6	15.79	15.87	15.77				
3	QPSK	1	14	15.87	15.86	15.79				
3	QPSK	8	0	15.67	15.90	15.78				
3	QPSK	8	4	15.71	15.79	15.72	17.5	0		
3	QPSK	8	7	15.66	15.88	15.86				
3	QPSK	15	0	15.84	15.78	15.76				
3	QPSK	15	0	15.80	15.80	15.71				
3	16QAM	1	6	15.73	15.73	15.64	17.5	0		
3	16QAM	1	14	15.87	15.71	15.69				
3	16QAM	8	0	15.74	15.82	15.79				
3	16QAM	8	4	15.71	15.77	15.73				
3	16QAM	16	0	15.74	15.86	15.72	17.5	0		
3	16QAM	16	0	15.81	15.84	15.72				
3	16QAM	16	0	15.87	15.78	15.68				
3	16QAM	16	7	15.75	15.82	15.70				
3	16QAM	8	4	15.76	15.81	15.70	17.5	0		
3	16QAM	8	7	15.87	15.73	15.64				
3	16QAM	15	0	15.71	15.87	15.84				
3	16QAM	15	0	15.73	15.86	15.81				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	15.70	15.84	15.75	17.5	0		
1.4	QPSK	1	3	15.74	15.87	15.73				
1.4	QPSK	1	6	15.89	15.85	15.80				
1.4	QPSK	3	0	15.75	15.91	15.82				
1.4	QPSK	3	1	15.79	15.80	15.64	17.5	0		
1.4	QPSK	3	1	15.68	15.82	15.67				
1.4	QPSK	6	0	15.79	15.79	15.80				
1.4	QPSK	6	0	15.79	15.79	15.84				
1.4	16QAM	1	3	15.87	15.74	15.64	17.5	0		
1.4	16QAM	1	6	15.71	15.83	15.80				
1.4	16QAM	3	0	15.71	15.75	15.66				
1.4	16QAM	3	1	15.77	15.85	15.74				
1.4	16QAM	6	0	15.75	15.82	15.67	17.5	0		
1.4	16QAM	6	0	15.76	15.82	15.70				
1.4	16QAM	3	0	15.76	15.78	15.67				
1.4	16QAM	3	1	15.78	15.89	15.79				
1.4	16QAM	6	0	15.75	15.82	15.67	17.5	0		
1.4	16QAM	6	0	15.63	15.88	15.81				

Band 13 Ant0 DSI7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.68	22.72	22.68	24	0				
15	QPSK	1	24	22.54	22.62	22.48						
15	QPSK	1	48	22.51	22.65	22.58						
15	QPSK	25	0	21.62	21.64	21.61						
15	QPSK	25	12	21.44	21.59	21.49	23	1				
15	QPSK	25	25	21.52	21.56	21.48						
15	QPSK	50	0	21.57	21.61	21.53						
15	16QAM	1	0	21.79	21.88	21.83						
15	16QAM	1	24	21.71	21.84	21.79	23	1				
15	16QAM	1	48	21.67	21.80	21.71						
15	16QAM	25	0	20.59	20.64	20.55						
15	16QAM	25	12	20.60	20.69	20.63						
15	16QAM	25	25	20.42	20.58	20.52	22	2				
15	16QAM	50	0	20.46	20.59	20.53						
15	64QAM	1	0	20.70	20.74	20.69						
15	64QAM	1	24	20.76	20.82	20.72						
15	64QAM	1	48	20.72	20.78	20.71	22	2				
15	64QAM	25	0	19.51	19.56	19.59						
15	64QAM	25	12	19.57	19.62	19.50						
15	64QAM	25	25	19.50	19.57	19.48						
15	64QAM	50	0	19.50	19.55	19.52	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.60	22.67	22.65				24	0	
5	QPSK	1	12	22.50	22.48	22.40						
5	QPSK	1	24	22.44	22.52	22.45						
5	QPSK	12	0	21.40	21.54	21.62						
5	QPSK	12	7	21.33	21.50	21.34	23	1				
5	QPSK	12	13	21.48	21.48	21.36						
5	QPSK	25	0	21.47	21.57	21.43						
5	16QAM	1	0	21.69	21.80	21.73						
5	16QAM	1	12	21.06	21.77	21.60	23	1				
5	16QAM	1	24	21.55	21.70	21.58						
5	16QAM	12	0	20.55	20.56	20.48						
5	16QAM	12	7	20.50	20.59	20.57						
5	16QAM	12	13	20.36	20.49	20.42	22	2				
5	16QAM	25	0	20.39	20.54	20.41						
5	16QAM	1	0	20.57	20.62	20.52						
5	64QAM	1	12	20.68	20.71	20.62						
5	64QAM	1	24	20.63	20.69	20.60	22	2				
5	64QAM	12	0	19.44	19.49	19.45						
5	64QAM	12	7	19.46	19.55	19.46						
5	64QAM	12	13	19.43	19.43	19.43						
5	64QAM	25	0	19.44	19.40	19.45	21	3				
5	64QAM	25	0	19.44	19.40	19.45						

Band 26 Ant0 DSI7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPE (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.59	22.76	22.63	24	0				
15	QPSK	1	37	22.49	22.61	22.52						
15	QPSK	1	74	22.44	22.56	22.42						
15	QPSK	36	0	21.59	21.63	21.51						
15	QPSK	36	20	21.55	21.58	21.47	23	1				
15	QPSK	36	36	21.45	21.54	21.50						
15	QPSK	75	0	21.53	21.59	21.48						
15	16QAM	1	0	21.59	21.74	21.61						
15	16QAM	1	37	21.79	21.82	21.69	23	1				
15	16QAM	1	74	21.72	21.75	21.67						
15	16QAM	36	0	20.58	20.68	20.54						
15	16QAM	36	20	20.56	20.59	20.53						
15	16QAM	36	39	20.54	20.68	20.54	22	2				
15	16QAM	75	0	20.53	20.62	20.57						
15	64QAM	1	0	20.67	20.76	20.65						
15	64QAM	1	37	20.63	20.71	20.62						
15	64QAM	1	74	20.51	20.61	20.55	22	2				
15	64QAM	36	0	19.51	19.62	19.58						
15	64QAM	36	20	19.51	19.68	19.59						
15	64QAM	36	39	19.45	19.58	19.47						
15	64QAM	75	0	19.46	19.60	19.58	21	3				
15	64QAM	75	0	19.46	19.60	19.58						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.62	22.68	22.49	24	0				
10	QPSK	1	25	22.37	22.50	22.45						
10	QPSK	1	49	22.31	22.48	22.37						
10	QPSK	25	0	21.62	21.60	21.41						
10	QPSK	25	12	21.41	21.52	21.43	23	1				
10	QPSK	25	25	21.37	21.44	21.36						
10	QPSK	50	0	21.47	21.48	21.41						
10	16QAM	1	0	21.55	21.64	21.54						
10	16QAM	1	25	21.75	21.72	21.64	23	1				
10	16QAM	1	49	21.68	21.63	21.57						
10	16QAM	25	0	20.51	20.59	20.47						
10	16QAM	12	0	20.50	20.64	20.58						
10	16QAM	25	25	20.43	20.55	20.48	22	2				
10	16QAM	50	0	20.49	20.62	20.44						
10	16QAM	1	0	20.59	20.62	20.53						
10	64QAM	1	25	20.53	20.64	20.59						
10	64QAM	1	49	20.47	20.51	20.41	22	2				
10	64QAM	25	0	19.46	19.53	19.49						
10	64QAM	25	12	19.38	19.54	19.51						
10	64QAM	25	25	19.37	19.45	19.42						
10	64QAM	50	0	19.40	19.52	19.48	21	3				
10	64QAM	50	0	19.40	19.52	19.48						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.56	22.66	22.44	24	0				
5	QPSK	1	12	22.36	22.52	22.41						
5	QPSK	1	24	22.31	22.46	22.27						
5	QPSK	12	0	21.50	21.59	21.44						
5	QPSK	12	7	21.46	21.44	21.43	23	1				
5	QPSK	12	13	21.33	21.42	21.42						
5	QPSK	25	0	21.41	21.47	21.39						
5	16QAM	1	0	21.56	21.63	21.52						
5	16QAM	1	12	21.71	21.74	21.65	23	1				
5	16QAM	1	24	21.68	21.65	21.65						
5	16QAM	12	0	20.47	20.53	20.46						
5	16QAM	12	7	20.45	20.60	20.59						
5	16QAM	12	13	20.44	20.57	20.42	22	2				
5	16QAM	25	0	20.41	20.48	20.51						
5	16QAM	25	25	20.37	20.52	20.42						
5	64QAM	1	12	20.54	20.65	20.57						
5	64QAM	1	24	20.42	20.50	20.41	22	2				
5	64QAM	12	0	19.40	19.50	19.44						
5	64QAM	12	7	19.45	19.62	19.44						
5	64QAM	12	13	19.33	19.49	19.40						
5	64QAM	25	0	19.33	19.52	19.51	21	3				
5	64QAM	25	0	19.33	19.52	19.51						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.48	22.70	22.44	24	0				
3	QPSK	1	8	22.35	22.58	22.44						
3	QPSK	1	14	22.36	22.48	22.38						
3	QPSK	8	0	21.44	21.54	21.41						
3	QPSK	8	4	21.44	21.44	21.42	23	1				
3	QPSK	8	7	21.40	21.45	21.39						
3	QPSK	15	0	21.49	21.51	21.38	23	1				
3	QPSK	1	8	21.51	21.68	21.54						
3	QPSK	1	14	21.74	21.68	21.63						
3	QPSK	1	14	21.69	21.67	21.61						
3	QPSK	1	15	21.69	21.67	21.61	23	1				
3	QPSK	15	0	20.49	20.59	20.46						
3	QPSK	8	4	20.47	20.55	20.55						
3	QPSK	15	7	20.41	20.61	20.48						
3	QPSK	15	7	20.43	20.49	20.43	22	2				
3	QPSK	1	0	20.63	20.66	20.55						
3	QPSK	1	8	20.60	20.68	20.60						
3	QPSK	1	14	20.59	20.64	20.46						
3	QPSK	8	0	19.44	19.49	19.48	21	3				
3	QPSK	8	4	19.42	19.50	19.42						
3	QPSK	8	7	19.37	19.47	19.42						
3	QPSK	15	0	19.40	19.54	19.43						
3	QPSK	15	0	19.40	19.54	19.43	21	3				
3	QPSK	15	0	19.40	19.54	19.43						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.49	22.70	22.43	24	0				
1.4	QPSK	1	37	22.41	22.63	22.43						
1.4	QPSK	1	74	22.40	22.51	22.37						
1.4	QPSK	3	0	22.48	22.48	22.43						
1.4	QPSK	3	1	22.40	22.52	22.47	23	1				
1.4	QPSK	3	1	22.32	22.47	22.47						
1.4	QPSK	6	0	21.42	21.49	21.36						
1.4	QPSK	1	0	21.46	21.62	21.54						
1.4	QPSK	1	0	21.49	21.75	21.61	23	1				
1.4	QPSK	1	6	21.63	21.64	21.64						
1.4	QPSK	3	0	21.59	21.67	21.57						
1.4	QPSK	3	0	21.44	21.62	21.57						
1.4	QPSK	3	3	21.48	21.62	21.48	22	2				
1.4	QPSK	3	3	21.54	21.62	21.54						
1.4	QPSK	1	0	20.56	20.66	20.56						
1.4	QPSK	1	37	20.54	20.61	20.54						
1.4	QPSK	1	37	20.52	20.62	20.46	22	2				
1.4	QPSK	3	0	20.39	20.51	20.44						
1.4	QPSK	3	0	20.47	20.65	20.44						
1.4	QPSK	3	0	20.48	20.63	20.57						
1.4	QPSK	6	0	19.33	19.47	19.48	21	3				
1.4	QPSK	6	0	19.33	19.47	19.48						
1.4	QPSK	6	0	19.33	19.47	19.48						
1.4	QPSK	6	0	19.33	19.47	19.48						

Band 7 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.67	18.76	18.73	20	0	
20	QPSK	1	49	18.54	18.65	18.61			
20	QPSK	1	99	18.55	18.70	18.63			
20	QPSK	50	0	18.49	18.67	18.50	20	0	
20	QPSK	50	24	18.54	18.61	18.62			
20	QPSK	50	50	18.56	18.65	18.54			
20	QPSK	100	0	18.51	18.64	18.60	20	0	
20	16QAM	1	0	18.57	18.65	18.62			
20	16QAM	1	49	18.61	18.65	18.55			
20	16QAM	1	99	18.60	18.71	18.56	20	0	
20	16QAM	50	0	18.52	18.63	18.58			
20	16QAM	50	24	18.54	18.62	18.51			
20	16QAM	50	50	18.56	18.70	18.55	20	0	
20	16QAM	100	0	18.56	18.62	18.56			
20	64QAM	1	0	18.52	18.61	18.54			
20	64QAM	1	49	18.66	18.70	18.56	20	0	
20	64QAM	1	99	18.61	18.71	18.58			
20	64QAM	50	0	18.55	18.62	18.52			
20	64QAM	50	24	18.57	18.62	18.54	20	0	
20	64QAM	50	50	18.58	18.72	18.65			
20	64QAM	100	0	18.55	18.69	18.64			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.60	18.64	18.63	20	0	
15	QPSK	1	37	18.44	18.61	18.56			
15	QPSK	1	74	18.42	18.55	18.49			
15	QPSK	36	0	18.34	18.59	18.41	20	0	
15	QPSK	36	20	18.39	18.57	18.48			
15	QPSK	36	39	18.46	18.50	18.43			
15	QPSK	75	0	18.36	18.51	18.51	20	0	
15	16QAM	1	0	18.47	18.53	18.56			
15	16QAM	1	37	18.56	18.54	18.42			
15	16QAM	1	74	18.54	18.65	18.50	20	0	
15	16QAM	36	0	18.47	18.51	18.54			
15	16QAM	36	20	18.48	18.52	18.42			
15	16QAM	36	39	18.43	18.58	18.42	20	0	
15	16QAM	75	0	18.46	18.54	18.43			
15	64QAM	1	0	18.40	18.48	18.44			
15	64QAM	1	37	18.55	18.65	18.52	20	0	
15	64QAM	1	74	18.52	18.60	18.48			
15	64QAM	36	0	18.44	18.52	18.37			
15	64QAM	36	20	18.49	18.54	18.42	20	0	
15	64QAM	36	39	18.52	18.56	18.53			
15	64QAM	75	0	18.40	18.64	18.60			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2509	2535	2565			
10	QPSK	1	0	18.52	18.64	18.65	20	0	
10	QPSK	1	25	18.47	18.60	18.54			
10	QPSK	1	49	18.43	18.57	18.54			
10	QPSK	25	0	18.44	18.58	18.37	20	0	
10	QPSK	25	12	18.43	18.49	18.51			
10	QPSK	25	25	18.45	18.58	18.42			
10	QPSK	50	0	18.48	18.52	18.50	20	0	
10	16QAM	1	0	18.48	18.62	18.48			
10	16QAM	1	25	18.57	18.61	18.44			
10	16QAM	1	49	18.48	18.57	18.52	20	0	
10	16QAM	25	0	18.46	18.51	18.44			
10	16QAM	25	12	18.49	18.48	18.41			
10	16QAM	25	25	18.45	18.56	18.47	20	0	
10	16QAM	50	0	18.44	18.54	18.49			
10	64QAM	1	0	18.43	18.53	18.39			
10	64QAM	1	25	18.63	18.61	18.51	20	0	
10	64QAM	1	49	18.57	18.60	18.50			
10	64QAM	25	0	18.44	18.50	18.47			
10	64QAM	25	12	18.51	18.52	18.39	20	0	
10	64QAM	25	25	18.48	18.59	18.57			
10	64QAM	50	0	18.42	18.63	18.51			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.60	18.72	18.66	20	0	
5	QPSK	1	12	18.45	18.61	18.55			
5	QPSK	1	24	18.51	18.59	18.52			
5	QPSK	12	0	18.38	18.53	18.36	20	0	
5	QPSK	12	7	18.50	18.51	18.55			
5	QPSK	12	13	18.50	18.60	18.50			
5	QPSK	25	0	18.42	18.55	18.50	20	0	
5	16QAM	1	0	18.50	18.62	18.56			
5	16QAM	1	12	18.51	18.61	18.50			
5	16QAM	1	24	18.55	18.65	18.53	20	0	
5	16QAM	12	0	18.48	18.55	18.44			
5	16QAM	12	7	18.40	18.51	18.39			
5	16QAM	12	13	18.48	18.61	18.50	20	0	
5	16QAM	25	0	18.41	18.56	18.49			
5	64QAM	1	0	18.43	18.53	18.43			
5	64QAM	1	12	18.61	18.65	18.46	20	0	
5	64QAM	1	24	18.56	18.68	18.51			
5	64QAM	12	0	18.42	18.48	18.48			
5	64QAM	12	7	18.47	18.52	18.40	20	0	
5	64QAM	12	13	18.53	18.57	18.56			
5	64QAM	25	0	18.44	18.64	18.56			

Band 38 Ant1 DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.84	20.96	20.86	22	0	
20	QPSK	1	49	20.79	20.85	20.74			
20	QPSK	1	99	20.88	20.94	20.84	22	0	
20	QPSK	50	0	20.83	20.93	20.87			
20	QPSK	50	24	20.77	20.88	20.84	22	0	
20	QPSK	50	50	20.86	20.91	20.81			
20	QPSK	100	0	20.85	20.93	20.79	22	0	
20	16QAM	1	0	20.75	20.85	20.80			
20	16QAM	1	49	20.83	20.92	20.83	22	0	
20	16QAM	1	99	20.84	20.88	20.85			
20	16QAM	50	0	20.68	20.76	20.70	22	0	
20	16QAM	50	24	20.77	20.77	20.71			
20	16QAM	50	50	20.55	20.68	20.57	22	0	
20	16QAM	100	0	20.65	20.73	20.70			
20	64QAM	1	0	20.30	20.40	20.37	22	0	
20	64QAM	1	49	20.43	20.48	20.43			
20	64QAM	1	99	20.26	20.33	20.28	21	1	
20	64QAM	50	0	19.67	19.78	19.69			
20	64QAM	50	24	19.71	19.78	19.72	21	1	
20	64QAM	50	50	19.55	19.67	19.58			
20	64QAM	100	0	19.64	19.81	19.70	22	0	
Channel				37825	38000	38175		22	0
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.76	20.91	20.79	22	0	
15	QPSK	1	37	20.71	20.78	20.67			
15	QPSK	1	74	20.78	20.91	20.76	22	0	
15	QPSK	36	0	20.78	20.86	20.78			
15	QPSK	36	20	20.67	20.82	20.77	22	0	
15	QPSK	36	39	20.76	20.81	20.74			
15	QPSK	75	0	20.82	20.85	20.71	22	0	
15	16QAM	1	0	20.70	20.80	20.74			
15	16QAM	1	37	20.74	20.88	20.75	22	0	
15	16QAM	1	74	20.74	20.84	20.75			
15	16QAM	36	0	20.64	20.73	20.59	22	0	
15	16QAM	36	20	20.71	20.72	20.68			
15	16QAM	36	39	20.49	20.58	20.50	22	0	
15	16QAM	75	0	20.58	20.63	20.51			
15	64QAM	1	0	20.26	20.34	20.34	22	0	
15	64QAM	1	37	20.34	20.37	20.36			
15	64QAM	1	74	20.22	20.22	20.20	22	0	
15	64QAM	36	0	19.63	19.65	19.61			
15	64QAM	36	20	19.66	19.69	19.64	21	1	
15	64QAM	36	39	19.48	19.57	19.50			
15	64QAM	75	0	19.61	19.72	19.60	22	0	
Channel				37800	38000	38200		22	0
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.78	20.92	20.78	22	0	
10	QPSK	1	25	20.71	20.80	20.64			
10	QPSK	1	49	20.79	20.90	20.74	22	0	
10	QPSK	25	0	20.79	20.90	20.77			
10	QPSK	25	12	20.70	20.84	20.77	22	0	
10	QPSK	25	25	20.76	20.81	20.73			
10	QPSK	50	0	20.81	20.89	20.75	22	0	
10	16QAM	1	0	20.71	20.81	20.75			
10	16QAM	1	25	20.76	20.82	20.80	22	0	
10	16QAM	1	49	20.73	20.85	20.79			
10	16QAM	25	0	20.59	20.69	20.61	22	0	
10	16QAM	25	12	20.73	20.69	20.63			
10	16QAM	25	25	20.49	20.65	20.48	22	0	
10	16QAM	50	0	20.58	20.68	20.67			
10	64QAM	1	0	20.25	20.31	20.29	22	0	
10	64QAM	1	25	20.37	20.41	20.37			
10	64QAM	1	49	20.16	20.24	20.24	22	0	
10	64QAM	25	0	19.57	19.68	19.61			
10	64QAM	25	12	19.66	19.73	19.68	21	1	
10	64QAM	25	25	19.52	19.61	19.51			
10	64QAM	50	0	19.57	19.77	19.67	22	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	22	0	
5	QPSK	1	0	20.80	20.90	20.76		22	0
5	QPSK	1	12	20.71	20.76	20.64			
5	QPSK	1	24	20.80	20.84	20.81	22	0	
5	QPSK	12	0	20.76	20.88	20.76			
5	QPSK	12	7	20.71	20.81	20.79	22	0	
5	QPSK	12	13	20.81	20.81	20.74			
5	QPSK	25	0	20.78	20.86	20.70	22	0	
5	16QAM	1	0	20.69	20.80	20.69			
5	16QAM	1	12	20.75	20.88	20.78	22	0	
5	16QAM	1	24	20.74	20.82	20.78			
5	16QAM	12	0	20.58	20.68	20.63	22	0	
5	16QAM	12	7	20.68	20.74	20.61			
5	16QAM	12	13	20.48	20.59	20.50	22	0	
5	16QAM	25	0	20.60	20.68	20.63			
5	64QAM	1	0	20.20	20.31	20.28	22	0	
5	64QAM	1	12	20.33	20.38	20.33			
5	64QAM	1	24	20.16	20.30	20.21	22	0	
5	64QAM	12	0	19.57	19.67	19.64			
5	64QAM	12	7	19.68	19.68	19.67	21	1	
5	64QAM	12	13	19.50	19.61	19.51			
5	64QAM	25	0	19.57	19.73	19.66	21	1	

Band 41 Ant1 DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.72	20.64	20.99	20.78	20.88	22	0
20	QPSK	1	49	20.75	20.80	20.89	20.78	20.81		
20	QPSK	1	99	20.82	20.83	20.72	20.85	20.71		
20	QPSK	50	0	20.71	20.59	20.85	20.76	20.83		
20	QPSK	50	24	20.66	20.68	20.83	20.69	20.76	22	0
20	QPSK	50	50	20.62	20.66	20.74	20.70	20.69		
20	QPSK	100	0	20.68	20.54	20.81	20.63	20.75		
20	16QAM	1	0	20.64	20.74	20.74	20.74	20.66		
20	16QAM	1	49	20.59	20.54	20.60	20.52	20.54	22	0
20	16QAM	1	99	20.76	20.84	20.86	20.83	20.80		
20	16QAM	50	0	20.55	20.61	20.66	20.54	20.58		
20	16QAM	50	24	20.59	20.65	20.73	20.58	20.66		
20	16QAM	50	50	20.60	20.58	20.65	20.59	20.60	22	0
20	16QAM	100	0	20.55	20.63	20.64	20.60	20.59		
20	64QAM	1	0	20.40	20.35	20.34	20.30	20.33		
20	64QAM	1	49	20.37	20.49	20.54	20.44	20.44		
20	64QAM	1	99	20.32	20.36	20.41	20.34	20.32	22	0
20	64QAM	50	0	19.47	19.59	19.65	19.54	19.58		
20	64QAM	50	24	19.67	19.64	19.78	19.63	19.71		
20	64QAM	50	50	19.59	19.50	19.71	19.60	19.63		
20	64QAM	100	0	19.56	19.55	19.67	19.57	19.66	21	1
Channel				39725	40173	40620	41088	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2680.5		
15	QPSK	1	0	20.63	20.53	20.96	20.69	20.74		
15	QPSK	1	49	20.63	20.66	20.67	20.69	20.68		
15	QPSK	1	74	20.59	20.51	20.67	20.50	20.57		
15	QPSK	36	0	20.65	20.51	20.75	20.63	20.76		
15	QPSK	36	20	20.53	20.56	20.79	20.57	20.65	22	0
15	QPSK	36	39	20.50	20.57	20.61	20.59	20.62		
15	QPSK	75	0	20.60	20.49	20.49	20.50	20.60		
15	16QAM	1	0	20.52	20.67	20.63	20.66	20.53		
15	16QAM	1	37	20.54	20.48	20.49	20.37	20.46	22	0
15	16QAM	1	74	20.68	20.78	20.76	20.78	20.69		
15	16QAM	36	0	20.42	20.48	20.53	20.40	20.55		
15	16QAM	36	20	20.54	20.57	20.57	20.57	20.57		
15	16QAM	36	39	20.53	20.45	20.55	20.52	20.51	22	0
15	16QAM	75	0	20.41	20.50	20.54	20.56	20.51		
15	64QAM	1	0	20.29	20.24	20.31	20.23	20.18		
15	64QAM	1	37	20.26	20.39	20.47	20.29	20.21		
15	64QAM	1	74	20.20	20.29	20.28	20.25	20.25	22	0
15	64QAM	36	0	19.23	19.55	19.56	19.42	19.45		
15	64QAM	36	20	19.52	19.50	19.71	19.48	19.58		
15	64QAM	36	39	19.46	19.45	19.62	19.47	19.57		
15	64QAM	75	0	19.47	19.49	19.59	19.53	19.59	21	1
Channel				39750	40169	40620	41080	41549		
Frequency (MHz)				2501	2547	2591	2639	2685		
10	QPSK	1	0	20.60	20.52	20.91	20.72	20.77		
10	QPSK	1	25	20.67	20.73	20.81	20.87	20.73		
10	QPSK	1	49	20.57	20.54	20.59	20.55	20.65		
10	QPSK	25	0	20.58	20.52	20.73	20.71	20.80		
10	QPSK	25	12	20.54	20.53	20.72	20.62	20.71	22	0
10	QPSK	25	25	20.56	20.54	20.69	20.63	20.56		
10	QPSK	50	0	20.62	20.47	20.75	20.49	20.67		
10	16QAM	1	0	20.52	20.67	20.65	20.64	20.52		
10	16QAM	1	25	20.48	20.60	20.53	20.42	20.51	22	0
10	16QAM	1	49	20.65	20.71	20.74	20.72	20.66		
10	16QAM	25	0	20.47	20.51	20.56	20.46	20.43		
10	16QAM	25	12	20.47	20.50	20.69	20.49	20.57		
10	16QAM	25	25	20.48	20.49	20.51	20.45	20.55	22	0
10	16QAM	50	0	20.43	20.49	20.60	20.48	20.50		
10	64QAM	1	0	20.35	20.31	20.23	20.18	20.18		
10	64QAM	1	25	20.33	20.43	20.47	20.33	20.38		
10	64QAM	1	49	20.19	20.29	20.29	20.20	20.25	22	0
10	64QAM	25	0	19.41	19.51	19.57	19.44	19.45		
10	64QAM	25	12	19.58	19.50	19.84	19.55	19.82		
10	64QAM	25	25	19.53	19.51	19.68	19.45	19.59		
10	64QAM	50	0	19.52	19.43	19.55	19.56	19.55	21	1
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.58	20.58	20.94	20.71	20.80		
5	QPSK	1	12	20.64	20.65	20.76	20.73	20.71		
5	QPSK	1	24	20.52	20.59	20.56	20.52	20.60		
5	QPSK	12	0	20.60	20.56	20.77	20.66	20.73		
5	QPSK	12	7	20.56	20.64	20.78	20.56	20.70	22	0
5	QPSK	12	13	20.48	20.62	20.59	20.57	20.57		
5	QPSK	25	0	20.61	20.50	20.71	20.49	20.63		
5	16QAM	1	0	20.53	20.66	20.69	20.63	20.65		
5	16QAM	12	0	20.46	20.49	20.45	20.44	20.46	22	0
5	16QAM	1	24	20.65	20.77	20.77	20.74	20.71		
5	16QAM	12	0	20.43	20.48	20.59	20.40	20.54		
5	16QAM	12	7	20.55	20.53	20.67	20.51	20.57		
5	16QAM	12	13	20.50	20.44	20.56	20.53	20.50	22	0
5	64QAM	20	0	20.47	20.54	20.50	20.46	20.46		
5	64QAM	1	0	20.36	20.23	20.30	20.26	20.23		
5	64QAM	1	12	20.31	20.44	20.43	20.36	20.39		
5	64QAM	1	24	20.20	20.27	20.27	20.23	20.22	21	1
5	64QAM	12	0	19.36	19.49	19.56	19.43	19.47		
5	64QAM	12	7	19.56	19.58	19.74	19.56	19.61		
5	64QAM	12	13	19.50	19.55	19.56	19.50	19.59		
5	64QAM	25	0	19.53	19.46	19.56	19.47	19.59		



Downlink CA Power

2CA DL													
CA List	PCG							SCC				Power	
	LTE	BW	BW	UL	UL			LTE	BW	DL	DL	With CA	Without CA
	Band	Ant	(MHz)	Freq. Channel	Mod	UL RB	UL RB Offset	Band	(MHz)	Freq. Channel		Tx Power (dBm)	Tx Power (dBm)
CA_2C	Band 2	Ant0	20M	1880	18800	QPSK	1 0	Band 2	20M	1980	1098	22.34	22.52
CA_2A-4A	Band 2	Ant0	20M	1880	18800	QPSK	1 0	Band 4	20M	2133	2175	22.45	22.52
	Band 4	Ant0	20M	1732.5	20175	QPSK	1 0	Band 2	20M	1980	900	22.45	22.52
CA_2A-5A	Band 2	Ant0	20M	1880	18800	QPSK	1 0	Band 5	10M	881.5	2525	22.32	22.52
	Band 5	Ant0	10M	836.5	20525	QPSK	1 0	Band 2	20M	1980	900	22.60	22.72
CA_2A-7A	Band 2	Ant0	20M	1880	18800	QPSK	1 0	Band 7	20M	2655	3100	22.32	22.52
	Band 7	Ant1	20M	2535	21100	QPSK	1 0	Band 2	20M	1980	900	22.47	22.61
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1 0	Band 5	10M	881.5	2525	22.36	22.52
	Band 5	Ant0	10M	836.5	20525	QPSK	1 0	Band 4	20M	2133	2175	22.52	22.72
CA_4A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1 0	Band 7	20M	2655	3100	22.46	22.62
	Band 7	Ant1	20M	2535	21100	QPSK	1 0	Band 4	20M	2133	2175	22.38	22.61
CA_5A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1 0	Band 7	20M	2655	3100	22.54	22.72
	Band 7	Ant1	20M	2535	21100	QPSK	1 0	Band 5	10M	881.5	2525	22.37	22.61
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1 0	Band 41	20M	2593	40620	22.50	22.72
	Band 41	Ant1	20M	2593	40620	QPSK	1 0	Band 5	10M	881.5	2525	22.66	22.88
CA_5A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1 0	Band 66	20M	2155	66886	22.59	22.72
	Band 66	Ant0	20M	1745	132322	QPSK	1 0	Band 5	10M	881.5	2525	22.49	22.95
CA_7B	Band 7	Ant1	10M	2535	21100	QPSK	1 0	Band 7	10M	2544	3103	22.53	22.61
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1 0	Band 7	20M	2655	3209	22.43	22.61
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1 0	Band 7	10M	2688	3425	22.56	22.61
CA_7A-66A	Band 7	Ant1	20M	2535	21100	QPSK	1 0	Band 66	20M	2155	66886	22.45	22.61
	Band 66	Ant0	20M	1745	132322	QPSK	1 0	Band 7	20M	2655	3100	22.38	22.55
CA_36A-41A	Band 26	Ant0	10M	831.5	26865	QPSK	1 0	Band 41	20M	2593	40620	22.59	22.76
	Band 41	Ant1	20M	2593	40620	QPSK	1 0	Band 26	10M	876.5	8805	22.73	22.88
CA_38C	Band 38	Ant1	20M	2580	37850	QPSK	1 0	Band 38	20M	2600	38048	22.63	22.85
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1 0	Band 41	20M	2613	40818	22.69	22.88
CA_66B	Band 66	Ant0	10M	1745	132322	QPSK	1 0	Band 66	10M	2154	66979	22.45	22.95
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1 0	Band 66	20M	2175	67084	22.39	22.55
CA_66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1 0	Band 66	10M	2198	67311	22.35	22.55



WLAN/Bluetooth Power

2.4GHz WLAN Ant.4				Full Power&Head &Bodyworn &Hotspot&Extremity		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	
	802.11b 1Mbps	1	2412	18.26	19.50	100.00
		6	2437	18.21	19.50	
		11	2462	18.03	19.50	
	802.11g 6Mbps	1	2412	16.03	17.50	97.46
		6	2437	16.06	19.50	
		10	2457	17.43	19.00	
		11	2462	14.64	16.00	
	802.11n-HT20 MCS9	1	2412	15.34	17.00	97.30
		6	2437	17.55	19.00	
		10	2457	17.37	19.00	
		11	2462	13.60	15.00	
		3	2422	13.60	15.00	95.14
		4	2427	14.06	15.50	
		6	2437	16.31	18.00	
	802.11n-HT40 MCS9	7	2442	14.44	16.00	
		8	2447	13.43	15.00	
		9	2452	12.87	14.50	

5.2GHz WLAN Ant.4				Full Power&Head&Extremity		Hotspot		Bodyworn		Duty Cycle %
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	36	5180	16.54	18.00	Not Required	16.50	Not Required	16.00	97.46
		40	5200	17.88	19.50					
		44	5220	17.97	19.50					
		48	5240	17.91	19.50					
	802.11n-HT20 MCS9	36	5180	16.24	17.50	Not Required	16.50	Not Required	16.00	97.29
		40	5200	17.79	19.50					
		44	5220	17.76	19.50					
		48	5240	17.74	19.50					
	802.11n-HT40 MCS9	38	5190	15.32	17.00	14.78	16.50	14.78	16.00	94.72
		46	5230	16.84	18.50	14.54	16.00	14.54	16.00	
	802.11ac-VHT20 MCS9	36	5190	16.30	18.00	Not Required	16.50	Not Required	16.00	97.31
		40	5200	17.80	19.50					
		44	5220	17.77	19.50					
		48	5240	17.79	19.50					
	802.11ac-VHT40 MCS9	38	5190	15.36	17.00	Not Required	16.50	Not Required	16.00	94.35
		46	5230	16.87	18.50					
	802.11ac-VHT80 MCS9	42	5210	14.31	16.00		16.00		16.00	89.20

5.3GHz WLAN Ant.4				Full Power&Head&Extremity		Bodyworn		Duty Cycle %
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	52	5260	17.88	19.50	Not Required	16.00	97.46
		56	5280	17.87	19.50			
		60	5300	17.90	19.50			
		64	5320	16.85	18.50			
	802.11n-HT20 MCS9	52	5260	17.72	19.50	Not Required	16.00	97.29
		56	5280	17.71	19.50			
		60	5300	17.73	19.50			
		64	5320	16.23	17.50			
	802.11n-HT40 MCS9	54	5270	16.80	18.50	14.56	16.00	94.72
		62	5310	14.86	16.50	14.86	16.00	
	802.11ac-VHT20 MCS9	52	5260	17.75	19.50	Not Required	16.00	97.31
		56	5280	17.74	19.50			
		60	5300	17.80	19.50			
		64	5320	16.29	18.00			
	802.11ac-VHT40 MCS9	54	5270	16.89	18.50	Not Required	16.00	94.35
		62	5310	14.92	16.50			
	802.11ac-VHT80 MCS9	58	5290	13.25	14.50		14.50	89.20

5.5GHz WLAN Ant.4				Full Power&Extremity		Head&Bodyworn		Duty Cycle %
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	100	5500	17.86	19.50	Not Required	17.50	97.46
		116	5580	17.89	19.50			
		124	5620	17.91	19.50			
		132	5660	17.86	19.50			
		140	5700	16.80	18.50			
		144	5720	17.81	19.50			
	802.11n-HT20 MCS9	100	5500	17.69	19.50	Not Required	17.50	97.29
		116	5580	17.70	19.50			
		124	5620	17.67	19.50			
		132	5660	17.69	19.50			
		140	5700	16.14	17.50			
		144	5720	17.67	19.50			
	802.11n-HT40 MCS9	102	5510	15.89	17.50	Not Required	17.50	94.72
		110	5590	16.78	18.50			
		126	5630	16.77	18.50			
		134	5670	16.75	18.50			
		142	5710	16.76	18.50			
		148	5730	16.76	18.50			
	802.11ac-VHT20 MCS9	100	5500	17.74	19.50	Not Required	17.50	97.31
		116	5580	17.76	19.50			
		124	5620	17.78	19.50			
		132	5660	17.73	19.50			
		140	5700	16.18	17.50			
		144	5720	17.68	19.50			
	802.11ac-VHT40 MCS9	102	5510	15.98	17.50	Not Required	17.50	94.35
		110	5590	16.83	18.50			
		126	5630	16.81	18.50			
		134	5670	16.79	18.50			
		142	5710	16.81	18.50			
		148	5730	16.81	18.50			
	802.11ac-VHT80 MCS9	106	5530	14.48	16.00	14.48	16.00	89.20
		122	5610	16.45	18.00	15.98	17.50	
		138	5690	16.38	18.00	15.91	17.50	

5.8GHz WLAN Ant.4				Full Power&Extremity		Head		Hotspot		Bodyworn		Duty Cycle %
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	148	5745	17.83	19.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	97.46
		157	5785	17.82	19.50							
		165	5825	17.88	19.50							
	802.11n-HT20 MCS9	148	5745	17.72	19.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	97.29
		157	5785	17.73	19.50							
		165	5825	17.70	19.50							
	802.11n-HT40 MCS9	151	5755	16.78	18.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	94.72
		159	5795	16.76	18.50							
		149	5745	17.74	19.50							
	802.11ac-VHT20 MCS9	157	5785	17.76	19.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	97.31
		165	5825	17.77	19.50							
		151	5755	16.80	18.50							
	802.11ac-VHT40 MCS9	159	5795	16.81	18.50	Not Required	14.50	Not Required	15.00	Not Required	16.50	94.35
		155	5775	16.38	18.00							
	802.11ac-VHT80 MCS9	155	5775	16.38	18.00	13.18	14.50	13.18	15.00	15.23	16.50	89.20

BR / EDR

Mode	Channel	Frequency (Mhz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.93	10.15	9.87
	CH 39	2441	12.15	9.97	9.53
	CH 78	2480	13.53	10.44	10.71
Tune-up Limit			14.00	11.50	11.50

BLE_1M

Mode	Channel	Frequency (Mhz)	Average power (dBm)
LE	CH 00	2402	2.42
	CH 19	2440	2.54
	CH 39	2480	2.50
Tune-up Limit			4.00

BLE_2M

Mode	Channel	Frequency (Mhz)	Average power (dBm)
LE	CH 00	2402	2.65
	CH 19	2440	2.46
	CH 39	2480	2.56
Tune-up Limit			4.00