

10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 9.6 %

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



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.



Full Power level/Default Power level/ Pmax Power Level for WWAN

GSM850 Ant0 Ant 0 Default								
CSM859	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50
Frequency (MHz)	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50
GSM 1 Tx slot	33.21	33.38	33.45	34.50	24.16	24.25	24.40	25.50
GPRS 1 Tx slot	33.16	33.25	33.40	34.50	24.16	24.25	24.40	25.50
GPRS 2 Tx slots	29.55	29.66	29.71	31.50	23.55	23.66	23.71	25.50
GPRS 3 Tx slots	27.79	27.84	27.92	29.70	23.53	23.58	23.66	25.44
GPRS 4 Tx slots	26.55	26.66	26.60	28.50	23.55	23.66	23.60	25.50
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant0 Ant 0 Default					
Band	WCDMA V			Tune-up Limit (dBm)	
TX Channel	4132	4182	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.51	24.58	24.44	25.50
3GPP Rel 99	RMC 12.2Kbps	24.59	24.64	24.57	25.50
3GPP Rel 6	HSDPA Subtest-1	21.17	21.33	21.24	22.50
3GPP Rel 6	HSDPA Subtest-2	21.23	21.33	21.30	22.50
3GPP Rel 6	HSDPA Subtest-3	22.78	22.81	22.79	24.00
3GPP Rel 6	HSDPA Subtest-4	22.66	22.87	22.75	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.15	21.46	21.26	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.21	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.87	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.73	22.85	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	21.25	21.33	21.20	22.50
3GPP Rel 6	HSUPA Subtest-2	19.16	19.37	19.26	20.50
3GPP Rel 6	HSUPA Subtest-3	20.20	20.40	20.33	21.50
3GPP Rel 6	HSUPA Subtest-4	19.20	19.31	19.28	20.50
3GPP Rel 6	HSUPA Subtest-5	21.23	21.33	21.36	22.50



Band 5 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.56	24.57	24.53	25.5	0		
10	QPSK	1	25	24.45	24.52	24.46				
10	QPSK	1	49	24.48	24.55	24.43				
10	QPSK	25	0	23.58	23.66	23.61	24.5	1		
10	QPSK	25	12	23.52	23.63	23.51				
10	QPSK	25	25	23.47	23.59	23.47				
10	QPSK	50	0	23.57	23.66	23.63	24.5	1		
10	16QAM	1	0	23.53	23.59	23.44				
10	16QAM	1	25	23.42	23.52	23.37				
10	16QAM	1	49	23.40	23.51	23.39	23.5	2		
10	16QAM	25	0	22.62	22.69	22.55				
10	16QAM	25	12	22.54	22.61	22.53				
10	16QAM	25	25	22.52	22.59	22.44	23.5	2		
10	16QAM	50	0	22.49	22.62	22.53				
10	16QAM	50	1	22.52	22.64	22.58				
10	64QAM	1	25	22.51	22.58	22.52	23.5	2		
10	64QAM	1	49	22.41	22.50	22.41				
10	64QAM	25	0	21.63	21.70	21.62				
10	64QAM	25	12	21.51	21.60	21.52	22.5	3		
10	64QAM	25	25	21.50	21.55	21.47				
10	64QAM	50	0	21.47	21.61	21.47				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.46	24.46	24.44	25.5	0		
5	QPSK	1	12	24.32	24.44	24.32				
5	QPSK	1	24	24.39	24.49	24.34				
5	QPSK	12	0	23.53	23.56	23.49	24.5	1		
5	QPSK	12	7	23.38	23.56	23.46				
5	QPSK	12	13	23.39	23.56	23.32				
5	QPSK	25	0	23.49	23.57	23.59	24.5	1		
5	16QAM	1	0	23.49	23.49	23.40				
5	16QAM	1	12	23.38	23.42	23.26				
5	16QAM	1	24	23.35	23.43	23.34	23.5	2		
5	16QAM	12	0	22.51	22.63	22.51				
5	16QAM	12	7	22.44	22.52	22.42				
5	16QAM	12	13	22.45	22.48	22.36	23.5	2		
5	16QAM	25	0	22.34	22.58	22.48				
5	16QAM	25	1	22.40	22.55	22.50				
5	64QAM	1	12	22.37	22.51	22.43	23.5	2		
5	64QAM	1	24	22.26	22.38	22.38				
5	64QAM	12	0	21.60	21.59	21.47				
5	64QAM	12	7	21.43	21.56	21.48	22.5	3		
5	64QAM	12	13	21.46	21.43	21.44				
5	64QAM	25	0	21.35	21.50	21.37				
Channel				20416	20525	20635				
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	24.47	24.48	24.50	25.5	0		
3	QPSK	1	8	24.35	24.43	24.37				
3	QPSK	1	14	24.36	24.40	24.35				
3	QPSK	8	0	23.48	23.59	23.47	24.5	1		
3	QPSK	8	4	23.47	23.49	23.46				
3	QPSK	8	7	23.35	23.47	23.37				
3	QPSK	15	0	23.45	23.51	23.52	24.5	1		
3	16QAM	1	0	23.39	23.53	23.38				
3	16QAM	1	8	23.38	23.40	23.31				
3	16QAM	1	14	23.29	23.37	23.35	23.5	2		
3	16QAM	8	0	22.52	22.66	22.51				
3	16QAM	8	4	22.40	22.58	22.44				
3	16QAM	8	7	22.44	22.53	22.39	23.5	2		
3	16QAM	15	0	22.34	22.51	22.42				
3	64QAM	1	0	22.40	22.52	22.54				
3	64QAM	1	8	22.38	22.53	22.38	23.5	2		
3	64QAM	1	14	22.36	22.36	22.30				
3	64QAM	8	0	21.49	21.56	21.50				
3	64QAM	8	4	21.37	21.51	21.46	22.5	3		
3	64QAM	8	7	21.44	21.51	21.33				
3	64QAM	15	0	21.40	21.51	21.40				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.46	24.52	24.47	25.5	0		
1.4	QPSK	1	3	24.31	24.49	24.35				
1.4	QPSK	1	5	24.34	24.43	24.34				
1.4	QPSK	3	0	24.47	24.48	24.53	24.5	1		
1.4	QPSK	3	1	24.43	24.49	24.39				
1.4	QPSK	3	3	24.29	24.51	24.35				
1.4	QPSK	6	0	23.49	23.57	23.51	24.5	1		
1.4	16QAM	1	0	23.47	23.48	23.37				
1.4	16QAM	1	3	23.36	23.46	23.25				
1.4	16QAM	1	5	23.27	23.39	23.26	24.5	1		
1.4	16QAM	3	0	23.49	23.59	23.45				
1.4	16QAM	3	1	23.47	23.51	23.44				
1.4	16QAM	3	3	23.35	23.47	23.33	23.5	2		
1.4	16QAM	6	0	22.42	22.51	22.40				
1.4	64QAM	1	0	22.38	22.60	22.48				
1.4	64QAM	1	3	22.43	22.48	22.42	23.5	2		
1.4	64QAM	1	5	22.33	22.36	22.28				
1.4	64QAM	3	0	22.48	22.51	22.46				
1.4	64QAM	3	1	22.36	22.46	22.34	22.5	3		
1.4	64QAM	3	3	22.34	22.47	22.35				
1.4	64QAM	6	0	21.40	21.57	21.33				

Band 12 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23600	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.54	24.76	24.68	25.5	0		
10	QPSK	1	25	24.51	24.65	24.54				
10	QPSK	1	49	24.47	24.51	24.40				
10	QPSK	25	0	23.65	23.69	23.63	24.5	1		
10	QPSK	25	12	23.59	23.64	23.55				
10	QPSK	25	25	23.62	23.66	23.58				
10	QPSK	50	0	23.53	23.57	23.45	24.5	1		
10	16QAM	1	0	23.72	23.82	23.76				
10	16QAM	1	25	23.66	23.72	23.65				
10	16QAM	1	49	23.49	23.54	23.46	23.5	2		
10	16QAM	25	0	22.85	22.73	22.60				
10	16QAM	25	12	22.59	22.65	22.61				
10	16QAM	25	25	22.66	22.69	22.62	23.5	2		
10	16QAM	50	0	22.51	22.58	22.46				
10	64QAM	1	0	22.74	22.78	22.69				
10	64QAM	1	25	22.60	22.72	22.57	23.5	2		
10	64QAM	1	49	22.42	22.54	22.45				
10	64QAM	25	0	21.67	21.77	21.64				
10	64QAM	25	12	21.57	21.65	21.60	22.5	3		
10	64QAM	25	25	21.69	21.73	21.64				
10	64QAM	50	0	21.50	21.63	21.55				
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.44	24.65	24.60	25.5	0		
5	QPSK	1	12	24.42	24.51	24.46				
5	QPSK	1	24	24.44	24.41	24.29				
5	QPSK	12	0	23.51	23.57	23.56	24.5	1		
5	QPSK	12	7	23.53	23.58	23.41				
5	QPSK	12	13	23.51	23.59	23.40				
5	QPSK	25	0	23.48	23.47	23.33	24.5	1		
5	16QAM	1	0	23.62	23.77	23.63				
5	16QAM	1	12	23.54	23.59	23.59				
5	16QAM	1	24	23.35	23.47	23.40	23.5	2		
5	16QAM	12	0	22.56	22.63	22.52				
5	16QAM	12	7	22.49	22.54	22.55				
5	16QAM	12	13	22.61	22.56	22.55	23.5	2		
5	16QAM	25	0	22.40	22.49	22.31				
5	64QAM	1	0	22.63	22.70	22.63				
5	64QAM	1	12	22.54	22.63	22.43	23.5	2		
5	64QAM	1	24	22.39	22.43	22.39				
5	64QAM	12	0	21.56	21.67	21.50				
5	64QAM	12	7	21.50	21.53	21.54	22.5	3		
5	64QAM	12	13	21.63	21.62	21.55				
5	64QAM	25	0	21.44	21.53	21.42				
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5					



Band 17 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.61	24.73	24.66	25.5	0	
10	QPSK	1	25	24.43	24.58	24.49			
10	QPSK	1	49	24.39	24.50	24.47			
10	QPSK	25	0	23.61	23.66	23.59	24.5	1	
10	QPSK	25	12	23.58	23.64	23.51			
10	QPSK	25	25	23.50	23.61	23.50			
10	QPSK	50	0	23.48	23.60	23.45	24.5	1	
10	16QAM	1	0	23.66	23.74	23.69			
10	16QAM	1	25	23.42	23.53	23.41			
10	16QAM	1	49	23.40	23.46	23.39	23.5	2	
10	16QAM	25	0	22.63	22.70	22.61			
10	16QAM	25	12	22.53	22.62	22.51			
10	16QAM	25	25	22.48	22.59	22.53	23.5	2	
10	16QAM	50	0	22.54	22.59	22.48			
10	64QAM	1	0	22.61	22.75	22.65			
10	64QAM	1	25	22.51	22.59	22.55	23.5	2	
10	64QAM	1	49	22.38	22.44	22.41			
10	64QAM	25	0	21.64	21.69	21.61			
10	64QAM	25	12	21.57	21.65	21.57	22.5	3	
10	64QAM	25	25	21.54	21.65	21.57			
10	64QAM	50	0	21.51	21.63	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.48	24.69	24.52	25.5	0	
5	QPSK	1	12	24.33	24.50	24.41			
5	QPSK	1	24	24.25	24.44	24.44			
5	QPSK	12	0	23.46	23.60	23.56	24.5	1	
5	QPSK	12	7	23.49	23.53	23.38			
5	QPSK	12	13	23.36	23.52	23.42			
5	QPSK	25	0	23.40	23.51	23.33	24.5	1	
5	16QAM	1	0	23.59	23.67	23.61			
5	16QAM	1	12	23.34	23.49	23.36			
5	16QAM	1	24	23.26	23.34	23.26	23.5	2	
5	16QAM	12	0	22.49	22.58	22.57			
5	16QAM	12	7	22.41	22.56	22.36			
5	16QAM	12	13	22.41	22.53	22.41	23.5	2	
5	16QAM	25	0	22.42	22.56	22.34			
5	64QAM	1	0	22.52	22.65	22.56			
5	64QAM	1	12	22.46	22.46	22.51	23.5	2	
5	64QAM	1	24	22.23	22.41	22.28			
5	64QAM	12	0	21.60	21.60	21.54			
5	64QAM	12	7	21.44	21.50	21.50	22.5	3	
5	64QAM	12	13	21.46	21.59	21.51			
5	64QAM	25	0	21.45	21.55	21.38			

Band 26 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.48	24.61	24.42	25.5	0	
15	QPSK	1	37	24.39	24.49	24.38			
15	QPSK	1	74	24.29	24.39	24.35			
15	QPSK	36	0	23.55	23.67	23.61	24.5	1	
15	QPSK	36	20	23.51	23.62	23.54			
15	QPSK	36	39	23.50	23.55	23.43			
15	QPSK	75	0	23.51	23.60	23.55	24.5	1	
15	16QAM	1	0	23.54	23.67	23.56			
15	16QAM	1	37	23.40	23.50	23.56			
15	16QAM	1	74	23.37	23.41	23.38	23.5	2	
15	16QAM	36	0	22.63	22.68	22.60			
15	16QAM	36	20	22.54	22.66	22.52			
15	16QAM	36	39	22.41	22.52	22.44	23.5	2	
15	16QAM	75	0	22.52	22.58	22.49			
15	64QAM	1	0	22.60	22.61	22.61			
15	64QAM	1	37	22.35	22.46	22.32	23.5	2	
15	64QAM	1	74	22.32	22.39	22.30			
15	64QAM	36	0	21.64	21.69	21.56			
15	64QAM	36	20	21.65	21.70	21.61	22.5	3	
15	64QAM	36	39	21.48	21.57	21.51			
15	64QAM	75	0	21.56	21.63	21.55			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.50	24.29	25.5	0	
10	QPSK	1	25	24.25	24.35	24.34			
10	QPSK	1	49	24.19	24.34	24.21			
10	QPSK	25	0	23.41	23.63	23.56	24.5	1	
10	QPSK	25	12	23.42	23.59	23.44			
10	QPSK	25	25	23.39	23.51	23.37			
10	QPSK	50	0	23.43	23.51	23.40	24.5	1	
10	16QAM	1	0	23.43	23.59	23.46			
10	16QAM	1	25	23.35	23.45	23.27			
10	16QAM	1	49	23.28	23.36	23.33	23.5	2	
10	16QAM	25	0	22.56	22.58	22.55			
10	16QAM	25	12	22.49	22.61	22.41			
10	16QAM	25	25	22.30	22.42	22.33	23.5	2	
10	16QAM	50	0	22.41	22.50	22.40			
10	64QAM	1	0	22.56	22.50	22.47			
10	64QAM	1	25	22.27	22.32	22.26	23.5	2	
10	64QAM	1	49	22.28	22.32	22.25			
10	64QAM	25	0	21.59	21.57	21.49			
10	64QAM	25	12	21.50	21.60	21.50	22.5	3	
10	64QAM	25	25	21.42	21.43	21.39			
10	64QAM	50	0	21.45	21.53	21.41			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.30	24.49	24.30	25.5	0	
5	QPSK	1	12	24.36	24.35	24.35			
5	QPSK	1	24	24.24	24.31	24.21			
5	QPSK	12	0	23.43	23.63	23.54	24.5	1	
5	QPSK	12	7	23.44	23.48	23.47			
5	QPSK	12	13	23.42	23.48	23.32			
5	QPSK	25	0	23.46	23.55	23.52	24.5	1	
5	16QAM	1	0	23.43	23.56	23.47			
5	16QAM	1	12	23.31	23.41	23.31			
5	16QAM	1	24	23.27	23.33	23.34	23.5	2	
5	16QAM	12	0	22.54	22.65	22.57			
5	16QAM	12	7	22.45	22.57	22.47			
5	16QAM	12	13	22.28	22.48	22.29	23.5	2	
5	16QAM	25	0	22.40	22.49	22.42			
5	64QAM	1	0	22.47	22.49	22.50			
5	64QAM	1	12	22.25	22.33	22.18	23.5	2	
5	64QAM	1	24	22.19	22.30	22.18			
5	64QAM	12	0	21.50	21.61	21.46			
5	64QAM	12	7	21.50	21.62	21.54	22.5	3	
5	64QAM	12	13	21.34	21.53	21.47			
5	64QAM	25	0	21.47	21.52	21.49			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.35	24.47	24.37	25.5	0	
3	QPSK	1	8	24.33	24.37	24.25			
3	QPSK	1	14	24.16	24.27	24.29			
3	QPSK	8	0	23.44	23.62	23.47	24.5	1	
3	QPSK	8	4	23.37	23.51	23.48			
3	QPSK	8	7	23.37	23.42	23.38			
3	QPSK	15	0	23.41	23.50	23.47	24.5	1	
3	16QAM	1	0	23.42	23.53	23.48			
3	16QAM	1	8	23.25	23.37	23.26			
3	16QAM	1	14	23.30	23.32	23.33	23.5	2	
3	16QAM	8	0	22.58	22.60	22.52			
3	16QAM	8	4	22.48	22.57	22.44			
3	16QAM	8	7	22.35	22.38	22.38	23.5	2	
3	64QAM	15	0	22.42	22.51	22.38			
3	64QAM	1	0	22.54	22.49	22.56			
3	64QAM	1	8	22.26	22.39	22.25	23.5	2	
3	64QAM	1	14	22.20	22.35	22.23			
3	64QAM	8	0	21.56	21.57	21.51			
3	64QAM	8	4	21.52	21.58	21.55	22.5	3	
3	64QAM	8	7	21.37	21.44	21.45			
3	64QAM	15	0	21.46	21.59	21.49			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.47	24.27	25.5	0	
1.4	QPSK	1	3	24.24	24.41	24.25			
1.4	QPSK	1	5	24.26	24.35	24.26			
1.4	QPSK	3	0	24.39	24.49	24.46			
1.4	QPSK	3	1	24.36	24.47	24.37			
1.4	QPSK	3	3	24.35	24.38	24.26			
1.4	QPSK	6	0	23.40	23.56	23.46	24.5	1	
1.4	16QAM	1	0	23.50	23.54	23.47			
1.4	16QAM	1	3	23.35	23.36	23.24			
1.4	16QAM	1	5	23.34	23.30	23.28			
1.4	16QAM	3	0						



GSM1900 Ant1 Default

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.85	29.74	29.80	31.00	20.85	20.74	20.80	22.00
GPRS 1 Tx slot	29.78	29.66	29.73	31.00	20.78	20.66	20.73	22.00
GPRS 2 Tx slots	26.18	26.12	26.14	28.00	20.18	20.12	20.14	22.00
GPRS 3 Tx slots	24.37	24.30	24.26	26.20	20.11	20.04	20.00	21.94
GPRS 4 Tx slots	23.19	23.21	23.17	25.00	20.19	20.21	20.17	22.00
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant1 Default

WCDMA IV Ant1 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	24.19	24.30	24.12	25.10	24.31	24.35	24.28	25.10
3GPP Rel 99 RMC 12.2Kbps	24.34	24.39	24.27	25.10	24.42	24.44	24.37	25.10
3GPP Rel 6 HSDPA Subtest-1	23.52	23.62	23.72	24.30	23.62	23.58	23.54	24.10
3GPP Rel 6 HSDPA Subtest-2	23.44	23.63	23.52	24.30	23.50	23.59	23.42	24.10
3GPP Rel 6 HSDPA Subtest-3	22.95	22.96	22.93	23.60	23.22	23.21	23.00	23.60
3GPP Rel 6 HSDPA Subtest-4	22.91	22.96	22.95	23.60	23.02	23.23	22.93	23.60
3GPP Rel 8 DC-HSDPA Subtest-1	23.45	23.78	23.68	24.30	23.38	23.67	23.44	24.10
3GPP Rel 8 DC-HSDPA Subtest-2	23.55	23.81	23.68	24.30	23.52	23.53	23.65	24.10
3GPP Rel 8 DC-HSDPA Subtest-3	22.94	23.05	23.04	23.60	22.88	22.98	22.95	23.60
3GPP Rel 8 DC-HSDPA Subtest-4	23.07	23.14	22.91	23.60	22.86	23.08	22.89	23.60
3GPP Rel 6 HSUPA Subtest-1	23.68	23.66	23.51	24.30	23.69	23.67	23.60	24.10
3GPP Rel 6 HSUPA Subtest-2	20.43	20.50	20.38	21.10	21.50	21.61	21.45	22.10
3GPP Rel 6 HSUPA Subtest-3	21.53	21.47	21.38	22.10	22.51	22.67	22.47	23.10
3GPP Rel 6 HSUPA Subtest-4	20.51	20.56	20.35	21.10	21.60	21.75	21.57	22.10
3GPP Rel 6 HSUPA Subtest-5	23.67	23.91	23.78	24.30	23.31	23.57	23.49	24.10



Band 2 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.71	23.82	23.78	25.1	0				
20	QPSK	1	49	23.67	23.75	23.72						
20	QPSK	1	99	23.69	23.73	23.80						
20	QPSK	50	0	23.03	23.11	23.03						
20	QPSK	50	24	22.90	23.05	23.03	24.1	1				
20	QPSK	50	50	22.91	22.98	22.83						
20	QPSK	100	0	22.93	23.03	22.98						
20	16QAM	1	0	23.08	23.19	23.11						
20	16QAM	1	49	23.08	23.21	23.09	24.1	1				
20	16QAM	1	99	23.26	23.31	23.21						
20	16QAM	50	0	21.99	22.06	22.02						
20	16QAM	50	24	22.00	22.05	21.92						
20	16QAM	50	50	22.01	22.14	22.05	23.1	2				
20	16QAM	100	0	22.00	22.04	21.90						
20	64QAM	1	0	22.04	22.12	22.00						
20	64QAM	1	49	21.98	22.08	22.03						
20	64QAM	1	99	22.08	22.14	22.03	23.1	2				
20	64QAM	50	0	20.99	21.07	20.92						
20	64QAM	50	24	20.91	21.04	20.99						
20	64QAM	50	50	20.97	21.06	20.92						
20	64QAM	100	0	20.95	21.03	20.97	22.1	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.68	23.71	23.66			25.1	0		
15	QPSK	1	37	23.54	23.62	23.62						
15	QPSK	1	74	23.59	23.65	23.51						
15	QPSK	36	0	22.99	22.99	22.92						
15	QPSK	36	20	22.83	22.91	22.84	24.1	1				
15	QPSK	36	39	22.84	22.88	22.71						
15	QPSK	75	0	22.73	22.87	22.84						
15	16QAM	1	0	22.95	23.10	22.99						
15	16QAM	1	37	23.02	23.08	22.98	24.1	1				
15	16QAM	1	74	23.12	23.23	23.14						
15	16QAM	36	0	21.90	21.94	21.81						
15	16QAM	36	20	21.91	21.96	21.89						
15	16QAM	36	39	21.97	22.02	21.94	23.1	2				
15	16QAM	75	0	21.91	21.96	21.88						
15	64QAM	1	0	21.95	22.04	21.94						
15	64QAM	1	37	21.83	22.02	21.91						
15	64QAM	1	74	22.03	22.08	22.02	23.1	2				
15	64QAM	36	0	20.91	20.94	20.85						
15	64QAM	36	20	20.77	20.91	20.93						
15	64QAM	36	39	20.91	21.00	20.79						
15	64QAM	75	0	20.95	20.99	20.85	22.1	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.62	23.75	23.65			25.1	0		
10	QPSK	1	25	23.63	23.65	23.68						
10	QPSK	1	49	23.54	23.63	23.57						
10	QPSK	25	0	22.99	22.97	22.98						
10	QPSK	25	12	22.77	22.99	22.94	24.1	1				
10	QPSK	25	25	22.78	22.96	22.79						
10	QPSK	50	0	22.86	22.89	22.76						
10	16QAM	1	0	22.99	23.10	23.00						
10	16QAM	1	25	22.94	23.16	23.03	24.1	1				
10	16QAM	1	49	23.18	23.17	23.09						
10	16QAM	25	0	21.85	21.85	21.92						
10	16QAM	25	12	21.92	21.91	21.77						
10	16QAM	25	25	21.96	22.09	21.98	23.1	2				
10	16QAM	50	0	21.97	21.90	21.84						
10	64QAM	1	0	21.92	22.07	21.87						
10	64QAM	1	25	21.85	21.97	21.91						
10	64QAM	1	49	22.03	22.07	22.01	23.1	2				
10	64QAM	25	0	20.87	20.94	20.79						
10	64QAM	25	12	20.88	21.00	20.95						
10	64QAM	25	25	20.88	20.92	20.86						
10	64QAM	50	0	20.91	20.92	20.87	22.1	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.58	23.76	23.70			25.1	0		
5	QPSK	1	12	23.62	23.68	23.61						
5	QPSK	1	24	23.64	23.64	23.46						
5	QPSK	12	0	22.99	23.06	22.96						
5	QPSK	12	7	22.80	22.92	22.91	24.1	1				
5	QPSK	12	13	22.73	22.96	22.72						
5	QPSK	25	0	22.90	22.87	22.86						
5	16QAM	1	0	22.95	23.09	23.02						
5	16QAM	1	12	22.93	23.15	23.01	24.1	1				
5	16QAM	1	24	23.22	23.26	23.12						
5	16QAM	12	0	21.94	21.92	21.88						
5	16QAM	12	7	21.88	22.02	21.80						
5	16QAM	12	13	21.83	22.05	21.89	23.1	2				
5	16QAM	25	0	21.94	21.89	21.84						
5	64QAM	1	0	22.01	21.99	21.90						
5	64QAM	1	12	21.88	22.01	21.95						
5	64QAM	1	24	21.97	22.04	22.01	23.1	2				
5	64QAM	12	0	20.95	21.01	20.95						
5	64QAM	12	7	20.84	20.97	20.90						
5	64QAM	12	13	20.80	20.99	20.89						
5	64QAM	25	0	20.91	20.95	20.84	22.1	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.65	23.73	23.68			25.1	0		
3	QPSK	1	8	23.61	23.67	23.67						
3	QPSK	1	14	23.65	23.69	23.56						
3	QPSK	8	0	22.90	22.96	22.90						
3	QPSK	8	4	22.87	22.96	22.86	24.1	1				
3	QPSK	8	7	22.76	22.94	22.72						
3	QPSK	15	0	22.84	22.87	22.75						
3	16QAM	1	0	23.04	23.16	23.00						
3	16QAM	1	8	22.96	23.16	23.05	24.1	1				
3	16QAM	1	14	23.22	23.17	23.18						
3	16QAM	8	0	21.93	21.95	21.94						
3	16QAM	8	4	21.95	21.91	21.82						
3	16QAM	8	7	21.96	22.11	21.93	23.1	2				
3	16QAM	15	0	21.86	21.99	21.79						
3	64QAM	1	0	21.96	22.03	21.93						
3	64QAM	1	8	21.90	22.04	21.92						
3	64QAM	1	14	21.97	22.01	21.98	23.1	2				
3	64QAM	8	0	20.91	20.97	20.85						
3	64QAM	8	4	20.83	20.91	20.87						
3	64QAM	8	7	20.83	20.93	20.82						
3	64QAM	15	0	20.91	20.88	20.86	22.1	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.59	23.76	23.73			25.1	0		
1.4	QPSK	1	3	23.56	23.67	23.61						
1.4	QPSK	1	5	23.58	23.63	23.53						
1.4	QPSK	3	0	23.76	23.80	23.73						
1.4	QPSK	3	1	23.69	23.76	23.72	24.1	1				
1.4	QPSK	3	3	23.58	23.65	23.59						
1.4	QPSK	6	0	22.90	22.87	22.79						
1.4	16QAM	1	0	23.02	23.12	22.99						
1.4	16QAM	1	3	22.95	23.11	22.99	24.1	1				
1.4	16QAM	1	5	23.16	23.17	23.14						
1.4	16QAM	3	0	22.87	22.94	22.95						
1.4	16QAM	3	1	23.81	22.99	22.98						
1.4	16QAM	3	3	22.88	23.06	22.93	23.1	2				
1.4	16QAM	6	0	21.89	21.99	21.86						
1.4	64QAM	1	0	21.99	22.08	21.90						
1.4	64QAM	1	3	21.89	22.04	21.97						
1.4	64QAM	1	5	22.01	22.00	21.96	23.1	2				
1.4	64QAM	3	0	21.85	21.93	21.79						
1.4	64QAM	3	1	21.85	21.97	21.89						
1.4	64QAM	3	3	21.91	21.97	21.88						
1.4	64QAM	6	0	20.92	20.88	20.92	22.1	3				

Band 4 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.92	23.95	23.96	25.1	0		
20	QPSK	1	49	23.73	23.82	23.77				
20	QPSK	1	99	23.82	23.87	23.77				
20	QPSK	50	0	22.87	23.00	22.85				
20	QPSK	50	24	22.85	22.92	22.78	24.1	1		
20	QPSK	50	50	22.88	22.98	22.92				
20	QPSK	100	0	20.75	20.90	20.82				
20	16QAM	1	0	22.83	22.97	22.83				
20	16QAM	1	49	22.70	22.77	22.72	24.1	1		
20	16QAM	1	99	22.81	22.91	22.87				
20	16QAM	50	0	21.88	21.95	21.82				
20	16QAM	50	24	21.81	21.90	21.81				
20	16QAM	50	50	21.84	21.97	21.92	23.1	2		
20	16QAM	100	0	21.88	21.93	21.79				
20	64QAM	1	0	21.82	21.93	21.80				
20	64QAM	1	49	21.84	21.75	21.80				
20	64QAM	1	99	21.84	21.90	21.87	23.1	2		
20	64QAM	50	0	20.80	20.93	20.87				
20	64QAM	50								



Band 25 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1914.5			
20	QPSK	1	0	23.90	23.93	23.87	25.1	0	
20	QPSK	1	49	23.71	23.84	23.80			
20	QPSK	1	99	23.83	23.86	23.83			
20	QPSK	50	0	22.91	23.04	22.91	24.1	1	
20	QPSK	50	24	22.88	22.95	22.86			
20	QPSK	50	50	22.93	23.02	22.91			
20	QPSK	100	0	23.01	23.06	22.93	24.1	1	
20	16QAM	1	0	22.78	22.95	22.86			
20	16QAM	1	49	22.74	22.84	22.77	24.1	1	
20	16QAM	1	99	22.80	22.94	22.88			
20	16QAM	50	0	21.91	22.01	21.90	23.1	2	
20	16QAM	50	24	21.87	21.91	21.82			
20	16QAM	50	50	21.99	22.08	21.89			
20	16QAM	100	0	22.03	22.02	21.88	23.1	2	
20	64QAM	1	0	21.73	21.93	21.83	23.1	2	
20	64QAM	1	49	21.78	21.84	21.73			
20	64QAM	1	99	21.78	21.97	21.88			
20	64QAM	50	0	20.97	20.98	20.90	22.1	3	
20	64QAM	50	24	20.88	20.95	20.80			
20	64QAM	50	50	20.98	21.02	20.86			
20	64QAM	100	0	21.01	21.05	20.89	22.1	3	
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	23.73	23.90	23.75	25.1	0	
15	QPSK	1	37	23.62	23.81	23.71			
15	QPSK	1	74	23.69	23.77	23.79			
15	QPSK	36	0	22.87	22.98	22.86	24.1	1	
15	QPSK	36	20	22.80	22.84	22.80			
15	QPSK	36	39	22.79	22.92	22.77			
15	QPSK	75	0	22.89	23.02	22.89	24.1	1	
15	16QAM	1	0	22.69	22.84	22.77			
15	16QAM	1	37	22.64	22.70	22.69	24.1	1	
15	16QAM	1	74	22.73	22.86	22.78			
15	16QAM	36	0	21.77	21.94	21.87	23.1	2	
15	16QAM	36	20	21.77	21.78	21.75			
15	16QAM	36	39	21.90	22.00	21.74			
15	16QAM	75	0	21.93	21.94	21.80	23.1	2	
15	64QAM	1	0	21.61	21.88	21.73	23.1	2	
15	64QAM	1	37	21.65	21.78	21.65			
15	64QAM	1	74	21.74	21.84	21.78			
15	64QAM	36	0	20.87	20.90	20.82	22.1	3	
15	64QAM	36	20	20.83	20.91	20.69			
15	64QAM	36	39	20.91	20.88	20.72			
15	64QAM	75	0	20.90	21.01	20.84	22.1	3	
Channel				26100	26340	26640			
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	23.69	23.82	23.74	25.1	0	
10	QPSK	1	25	23.65	23.79	23.73			
10	QPSK	1	49	23.77	23.78	23.76			
10	QPSK	25	0	22.82	22.99	22.85	24.1	1	
10	QPSK	25	12	22.77	22.83	22.81			
10	QPSK	25	25	22.88	22.88	22.87			
10	QPSK	50	0	22.91	23.02	22.82	24.1	1	
10	16QAM	1	0	22.63	22.87	22.82			
10	16QAM	1	25	22.59	22.72	22.66	24.1	1	
10	16QAM	1	49	22.75	22.88	22.77			
10	16QAM	25	0	21.77	21.89	21.78	23.1	2	
10	16QAM	25	12	21.82	21.88	21.71			
10	16QAM	25	25	21.85	21.98	21.83			
10	16QAM	50	0	21.91	21.89	21.84	23.1	2	
10	64QAM	1	0	21.65	21.89	21.74	23.1	2	
10	64QAM	1	25	21.66	21.74	21.65			
10	64QAM	1	49	21.64	21.87	21.76			
10	64QAM	25	0	20.91	20.86	20.77	22.1	3	
10	64QAM	25	12	20.83	20.83	20.67			
10	64QAM	25	25	20.92	20.91	20.74			
10	64QAM	50	0	20.89	20.95	20.74	22.1	3	
Channel				26065	26340	26665			
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	23.77	23.82	23.73	25.1	0	
5	QPSK	1	12	23.63	23.80	23.72			
5	QPSK	1	24	23.78	23.74	23.76			
5	QPSK	12	0	22.81	22.99	22.85	24.1	1	
5	QPSK	12	7	22.74	22.81	22.73			
5	QPSK	12	13	22.86	22.94	22.78			
5	QPSK	25	0	22.91	23.03	22.89	24.1	1	
5	16QAM	1	0	22.70	22.87	22.82			
5	16QAM	1	12	22.67	22.76	22.68	24.1	1	
5	16QAM	1	24	22.73	22.84	22.82			
5	16QAM	12	0	21.82	21.88	21.75	23.1	2	
5	16QAM	12	7	21.78	21.86	21.75			
5	16QAM	12	13	21.88	22.01	21.81			
5	16QAM	25	0	21.95	21.92	21.82	23.1	2	
5	64QAM	1	0	21.63	21.78	21.77			
5	64QAM	1	12	21.73	21.81	21.61	23.1	2	
5	64QAM	1	24	21.65	21.86	21.81			
5	64QAM	12	0	20.85	20.93	20.80	22.1	3	
5	64QAM	12	7	20.83	20.80	20.74			
5	64QAM	12	13	20.89	20.89	20.81			
5	64QAM	25	0	20.95	20.97	20.80	22.1	3	
Channel				26055	26340	26675			
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	23.70	23.83	23.79	25.1	0	
3	QPSK	1	8	23.59	23.75	23.71			
3	QPSK	1	14	23.79	23.79	23.73			
3	QPSK	8	0	22.81	22.95	22.79	24.1	1	
3	QPSK	8	4	22.75	22.90	22.81			
3	QPSK	8	7	22.85	22.94	22.80			
3	QPSK	15	0	22.91	22.95	22.82	24.1	1	
3	16QAM	1	0	22.70	22.88	22.79			
3	16QAM	1	8	22.70	22.76	22.69	24.1	1	
3	16QAM	1	14	22.74	22.82	22.79			
3	16QAM	8	0	21.81	21.93	21.86	23.1	2	
3	16QAM	8	4	21.75	21.76	21.73			
3	16QAM	8	7	21.88	21.94	21.75			
3	16QAM	15	0	21.93	21.89	21.82	23.1	2	
3	64QAM	1	0	21.62	21.81	21.77			
3	64QAM	1	8	21.69	21.72	21.61	23.1	2	
3	64QAM	1	14	21.63	21.84	21.77			
3	64QAM	8	0	20.92	20.86	20.84	22.1	3	
3	64QAM	8	4	20.82	20.82	20.86			
3	64QAM	8	7	20.89	20.95	20.74			
3	64QAM	15	0	20.97	20.95	20.83	22.1	3	
Channel				26047	26340	26683			
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	23.75	23.90	23.82	25.1	0	
1.4	QPSK	1	3	23.67	23.72	23.66			
1.4	QPSK	1	5	23.79	23.77	23.69			
1.4	QPSK	3	0	23.77	23.85	23.76	24.1	1	
1.4	QPSK	3	1	23.77	23.94	23.74			
1.4	QPSK	3	3	23.75	23.90	23.75			
1.4	QPSK	6	0	22.94	22.92	22.86	24.1	1	
1.4	16QAM	1	0	22.64	22.86	22.75			
1.4	16QAM	1	3	22.62	22.73	22.71	24.1	1	
1.4	16QAM	1	5	22.74	22.85	22.73			
1.4	16QAM	3	0	22.75	22.91	22.77	23.1	2	
1.4	16QAM	3	1	22.79	22.72	22.84			
1.4	16QAM	3	3	22.88	22.90	22.71			
1.4	16QAM	6	0	21.93	21.91	21.78	23.1	2	
1.4	64QAM	1	0	21.60	21.83	21.76			
1.4	64QAM	1	3	21.72	21.70	21.63	23.1	2	
1.4	64QAM	1	5	21.72	21.87	21.82			
1.4	64QAM	3	0	21.78	21.79	21.70	22.1	3	
1.4	64QAM	3	1	21.75	21.80	21.69			
1.4	64QAM	3	3	21.78	21.83	21.71			
1.4	64QAM	6	0	20.87	21.00	20.80	22.1	3	



Band 38 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.67	23.75	23.64	24.7	0		
20	QPSK	1	49	23.64	23.71	23.64				
20	QPSK	1	99	23.51	23.58	23.52				
20	QPSK	50	0	22.74	22.80	22.72	23.7	1		
20	QPSK	50	24	22.65	22.78	22.76				
20	QPSK	50	50	22.57	22.68	22.54				
20	QPSK	100	0	22.69	22.73	22.59	23.7	1		
20	16QAM	1	0	22.84	22.77	22.71				
20	16QAM	1	49	22.65	22.74	22.61				
20	16QAM	1	99	22.46	22.58	22.52	22.7	2		
20	16QAM	50	0	21.67	21.80	21.70				
20	16QAM	50	24	21.71	21.80	21.69				
20	16QAM	50	50	21.56	21.69	21.65	22.7	2		
20	16QAM	100	0	21.68	21.78	21.64				
20	64QAM	1	0	21.68	21.81	21.76				
20	64QAM	1	49	21.57	21.71	21.61	22.7	2		
20	64QAM	1	99	21.53	21.62	21.49				
20	64QAM	50	0	20.81	20.84	20.74				
20	64QAM	50	24	20.66	20.80	20.71	21.7	3		
20	64QAM	50	50	20.63	20.72	20.58				
20	64QAM	100	0	20.69	20.84	20.76				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.63	23.70	23.59	24.7	0		
15	QPSK	1	37	23.58	23.62	23.49				
15	QPSK	1	74	23.45	23.47	23.38				
15	QPSK	36	0	22.66	22.76	22.62	23.7	1		
15	QPSK	36	20	22.56	22.73	22.64				
15	QPSK	36	39	22.53	22.62	22.50				
15	QPSK	75	0	22.56	22.58	22.44	23.7	1		
15	16QAM	1	0	22.54	22.73	22.58				
15	16QAM	1	37	22.56	22.65	22.50				
15	16QAM	1	74	22.33	22.43	22.48	22.7	2		
15	16QAM	36	0	21.59	21.76	21.60				
15	16QAM	36	20	21.59	21.75	21.57				
15	16QAM	36	39	21.45	21.60	21.62	22.7	2		
15	16QAM	75	0	21.63	21.63	21.52				
15	64QAM	1	0	21.54	21.68	21.71				
15	64QAM	1	37	21.46	21.64	21.58	22.7	2		
15	64QAM	1	74	21.48	21.48	21.35				
15	64QAM	36	0	20.73	20.75	20.69				
15	64QAM	36	20	20.59	20.72	20.63	21.7	3		
15	64QAM	36	39	20.60	20.59	20.48				
15	64QAM	75	0	20.64	20.80	20.67				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.63	23.64	23.52	24.7	0		
10	QPSK	1	25	23.58	23.61	23.59				
10	QPSK	1	49	23.43	23.48	23.39				
10	QPSK	25	0	22.60	22.77	22.68	23.7	1		
10	QPSK	25	12	22.52	22.64	22.66				
10	QPSK	25	25	22.53	22.59	22.49				
10	QPSK	50	0	22.62	22.66	22.47	23.7	1		
10	16QAM	1	0	22.52	22.69	22.63				
10	16QAM	1	25	22.51	22.68	22.55				
10	16QAM	1	49	21.58	21.74	21.62	22.7	2		
10	16QAM	25	0	21.58	21.70	21.60				
10	16QAM	25	12	21.58	21.70	21.60				
10	16QAM	25	25	21.49	21.56	21.58	22.7	2		
10	16QAM	50	0	21.60	21.68	21.60				
10	64QAM	1	0	21.57	21.69	21.69				
10	64QAM	1	25	21.46	21.56	21.53	22.7	2		
10	64QAM	1	49	21.47	21.48	21.46				
10	64QAM	25	0	20.75	20.73	20.70				
10	64QAM	25	12	20.56	20.73	20.58	21.7	3		
10	64QAM	25	25	20.60	20.66	20.45				
10	64QAM	50	0	20.56	20.71	20.71				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.58	23.70	23.49	24.7	0		
5	QPSK	1	12	23.54	23.66	23.56				
5	QPSK	1	24	23.40	23.52	23.48				
5	QPSK	12	0	22.70	22.85	22.83	23.7	1		
5	QPSK	12	7	22.58	22.73	22.65				
5	QPSK	12	13	22.53	22.58	22.43				
5	QPSK	25	0	22.64	22.66	22.52	23.7	1		
5	16QAM	1	0	22.59	22.67	22.57				
5	16QAM	1	12	22.61	22.66	22.55				
5	16QAM	1	24	22.41	22.45	22.46	22.7	2		
5	16QAM	12	0	21.58	21.74	21.65				
5	16QAM	12	7	21.67	21.68	21.65				
5	16QAM	12	13	21.44	21.61	21.52	22.7	2		
5	16QAM	25	0	21.58	21.64	21.52				
5	64QAM	1	0	21.63	21.70	21.70				
5	64QAM	1	12	21.50	21.64	21.57	22.7	2		
5	64QAM	1	24	21.44	21.52	21.40				
5	64QAM	12	0	20.74	20.80	20.67				
5	64QAM	12	7	20.59	20.69	20.65	21.7	3		
5	64QAM	12	13	20.53	20.61	20.50				

Band 41 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.81	23.68	23.83	23.65	23.70	24.7	0		
20	QPSK	1	49	23.54	23.49	23.64	23.57	23.58				
20	QPSK	1	99	23.45	23.48	23.55	23.52	23.51				
20	QPSK	50	0	22.58	22.64	22.71	22.64	22.59	23.7	1		
20	QPSK	50	24	22.63	22.55	22.68	22.55	22.59				
20	QPSK	50	50	22.52	22.60	22.65	22.61	22.56				
20	QPSK	100	0	22.59	22.55	22.70	22.56	22.64	23.7	1		
20	16QAM	1	0	22.74	22.85	22.89	22.84	22.79				
20	16QAM	1	49	22.60	22.57	22.70	22.61	22.61				
20	16QAM	1	99	22.57	22.55	22.65	22.52	22.59	22.7	2		
20	16QAM	50	0	21.68	21.68	21.73	21.66	21.68				
20	16QAM	50	24	21.61	21.61	21.66	21.58	21.59				
20	16QAM	50	50	21.58	21.60	21.65	21.56	21.62	22.7	2		
20	16QAM	100	0	21.65	21.62	21.73	21.62	21.66				
20	64QAM	1	0	21.77	21.86	21.90	21.83	21.83				
20	64QAM	1	49	21.72	21.73	21.83	21.79	21.70	22.7	2		
20	64QAM	1	99	21.65	21.72	21.77	21.71	21.71				
20	64QAM	50	0	20.67	20.60	20.75	20.60	20.65				
20	64QAM	50	24	20.58	20.56	20.65	20.51	20.55	21.7	3		
20	64QAM	50	50	20.54	20.49	20.63	20.55	20.58				
20	64QAM	100	0	20.65	20.61	20.74	20.63	20.67				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.81	23.55	23.76	23.55	23.56	24.70	0		
15	QPSK	1	37	23.43	23.42	23.51	23.51	23.52				
15	QPSK	1	74	23.37	23.45	23.47	23.44	23.40				
15	QPSK	36	0	22.54	22.55	22.56	22.51	22.48	23.7	1		
15	QPSK	36	20	22.52	22.48	22.56	22.47	22.48				
15	QPSK	36	39	22.49	22.51	22.51	22.48	22.46				
15	QPSK	75	0	22.53	22.51	22.63	22.45	22.50	23.7	1		
15	16QAM	1	0	22.62	22.71	22.77	22.75	22.73				
15	16QAM	1	37	22.50	22.50	22.61	22.55	22.55				
15	16QAM	1	74	22.48	22.46	22.60	22.42	22.55	22.7	2		
15	16QAM	36	0	21.64	21.62	21.64	21.60	21.58				
15	16QAM	36	20	21.54	21.56	21.59	21.54	21.56				
15	16QAM	36	39	21.48	21.56	21.58	21.47	21.56	22.7	2		
15	16QAM	75	0	21.58	21.50	21.64	21.					



GSM850 Ant2 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	32.12	33.04	33.09	34.20	33.12	33.04	33.08	34.18
GSM 1 Tx slot	32.58	33.19	33.09	34.20	23.98	24.19	24.09	25.20
GPRS 1 Tx slot	32.71	32.96	32.97	34.20	23.71	23.96	23.97	25.20
GPRS 2 Tx slots	29.97	30.07	29.83	31.20	23.97	24.07	23.83	25.20
GPRS 3 Tx slots	28.24	28.28	28.09	29.40	23.98	24.02	23.83	25.14
GPRS 4 Tx slots	27.15	27.20	26.99	28.20	24.15	24.20	23.99	25.20
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant2 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)	
	4182	4182	4233		
Rx Channel	4357	4407	4453		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.14	24.21	24.13	25.20
3GPP Rel 99	RMC 12.2Kbps	24.23	24.34	24.27	25.20
3GPP Rel 6	HSDPA Subtest-1	21.22	21.27	21.36	22.20
3GPP Rel 6	HSDPA Subtest-2	21.25	21.36	21.37	22.20
3GPP Rel 6	HSDPA Subtest-3	22.78	22.95	23.02	23.70
3GPP Rel 6	HSDPA Subtest-4	22.79	22.85	23.11	23.70
3GPP Rel 8	DC-HSDPA Subtest-1	21.33	21.36	21.50	22.20
3GPP Rel 8	DC-HSDPA Subtest-2	21.35	21.43	21.57	22.20
3GPP Rel 8	DC-HSDPA Subtest-3	22.66	22.86	22.89	23.70
3GPP Rel 8	DC-HSDPA Subtest-4	22.70	22.77	23.10	23.70
3GPP Rel 6	HSUPA Subtest-1	21.27	21.47	21.46	22.20
3GPP Rel 6	HSUPA Subtest-2	19.36	19.50	19.54	20.20
3GPP Rel 6	HSUPA Subtest-3	20.19	20.49	20.48	21.20
3GPP Rel 6	HSUPA Subtest-4	19.27	19.45	19.46	20.20
3GPP Rel 6	HSUPA Subtest-5	21.19	21.40	21.62	22.20



Band 5 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.26	24.31	24.21	25.2	0		
10	QPSK	1	25	24.21	24.29	24.17				
10	QPSK	1	49	24.10	24.21	24.11				
10	QPSK	25	0	23.26	23.36	23.28	24.2	1		
10	QPSK	25	12	23.21	23.31	23.17				
10	QPSK	25	25	23.21	23.33	23.22				
10	QPSK	50	0	23.31	23.37	23.33	24.2	1		
10	16QAM	1	0	23.30	23.34	23.27				
10	16QAM	1	25	23.19	23.25	23.15				
10	16QAM	1	49	23.21	23.28	23.12	23.2	2		
10	16QAM	25	0	22.29	22.36	22.22				
10	16QAM	25	12	22.28	22.33	22.26				
10	16QAM	25	25	22.23	22.36	22.33	23.2	2		
10	16QAM	50	0	22.25	22.35	22.28				
10	64QAM	1	0	22.29	22.37	22.26				
10	64QAM	1	25	22.14	22.22	22.18	23.2	2		
10	64QAM	1	49	22.13	22.27	22.23				
10	64QAM	25	0	21.25	21.35	21.22				
10	64QAM	25	12	21.31	21.37	21.30	22.2	3		
10	64QAM	25	25	21.29	21.43	21.33				
10	64QAM	50	0	21.32	21.38	21.35				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.19	24.21	24.07	25.2	0		
5	QPSK	1	12	24.15	24.26	24.13				
5	QPSK	1	24	24.02	24.12	24.05				
5	QPSK	12	0	23.19	23.30	23.24	24.2	1		
5	QPSK	12	7	23.11	23.18	23.04				
5	QPSK	12	13	23.08	23.21	23.08				
5	QPSK	25	0	23.26	23.23	23.27	24.2	1		
5	16QAM	1	0	23.19	23.30	23.23				
5	16QAM	1	12	23.09	23.21	23.11				
5	16QAM	1	24	23.13	23.19	23.08	23.2	2		
5	16QAM	12	0	22.17	22.31	22.17				
5	16QAM	12	7	22.16	22.22	22.11				
5	16QAM	12	13	22.16	22.24	22.21	23.2	2		
5	16QAM	25	0	22.13	22.23	22.21				
5	64QAM	1	0	22.22	22.26	22.22				
5	64QAM	1	12	22.08	22.19	22.14	23.2	2		
5	64QAM	1	24	22.07	22.22	22.14				
5	64QAM	12	0	21.12	21.27	21.15				
5	64QAM	12	7	21.19	21.25	21.24	22.2	3		
5	64QAM	12	13	21.17	21.38	21.20				
5	64QAM	25	0	21.22	21.29	21.30				
Channel				20418	20525	20635				
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	24.19	24.19	24.07	25.2	0		
3	QPSK	1	8	24.08	24.21	24.04				
3	QPSK	1	14	24.06	24.13	24.07				
3	QPSK	8	0	23.21	23.25	23.14	24.2	1		
3	QPSK	8	4	23.11	23.27	23.02				
3	QPSK	8	7	23.08	23.26	23.18				
3	QPSK	15	0	23.19	23.22	23.20	24.2	1		
3	16QAM	1	0	23.17	23.21	23.21				
3	16QAM	1	8	23.04	23.12	23.10				
3	16QAM	1	14	23.13	23.13	23.07	23.2	2		
3	16QAM	8	0	22.16	22.26	22.08				
3	16QAM	8	4	22.17	22.18	22.18				
3	16QAM	8	7	22.10	22.25	22.29	23.2	2		
3	16QAM	15	0	22.11	22.30	22.22				
3	64QAM	1	0	22.26	22.30	22.15				
3	64QAM	1	8	22.09	22.18	22.08	23.2	2		
3	64QAM	1	14	22.04	22.24	22.15				
3	64QAM	8	0	21.20	21.27	21.14				
3	64QAM	8	4	21.21	21.29	21.23	22.2	3		
3	64QAM	8	7	21.15	21.30	21.21				
3	64QAM	15	0	21.26	21.28	21.30				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.21	24.24	24.12	25.2	0		
1.4	QPSK	1	3	24.15	24.14	24.02				
1.4	QPSK	1	5	23.99	24.14	24.02				
1.4	QPSK	3	0	24.16	24.24	24.08	24.2	1		
1.4	QPSK	3	1	24.13	24.20	24.07				
1.4	QPSK	3	3	24.02	24.18	24.08				
1.4	QPSK	6	0	23.21	23.22	23.21	24.2	1		
1.4	16QAM	1	0	23.15	23.25	23.21				
1.4	16QAM	1	3	23.08	23.15	23.04				
1.4	16QAM	1	5	23.13	23.22	22.99	24.2	1		
1.4	16QAM	3	0	23.13	23.26	23.12				
1.4	16QAM	3	1	23.13	23.20	23.11				
1.4	16QAM	3	3	23.06	23.16	23.24	23.2	2		
1.4	16QAM	6	0	22.18	22.30	22.14				
1.4	64QAM	1	0	22.24	22.33	22.23				
1.4	64QAM	1	3	22.10	22.19	22.03	23.2	2		
1.4	64QAM	1	5	22.10	22.21	22.17				
1.4	64QAM	3	0	22.10	22.23	22.06				
1.4	64QAM	3	1	22.15	22.25	22.20	22.2	3		
1.4	64QAM	3	3	22.21	22.29	22.13				
1.4	64QAM	6	0	21.17	21.27	21.25				

Band 12 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.31	24.45	24.38	25.2	0		
10	QPSK	1	25	24.25	24.36	24.33				
10	QPSK	1	49	24.18	24.32	24.26				
10	QPSK	25	0	23.33	23.40	23.26	24.2	1		
10	QPSK	25	12	23.20	23.33	23.28				
10	QPSK	25	25	23.24	23.38	23.29				
10	QPSK	50	0	23.28	23.36	23.31	24.2	1		
10	16QAM	1	0	23.46	23.51	23.38				
10	16QAM	1	25	23.31	23.37	23.22				
10	16QAM	1	49	23.22	23.36	23.20	23.2	2		
10	16QAM	25	0	22.31	22.42	22.38				
10	16QAM	25	12	22.15	22.29	22.23				
10	16QAM	25	25	22.28	22.37	22.28	23.2	2		
10	16QAM	50	0	22.19	22.33	22.18				
10	64QAM	1	0	22.40	22.52	22.43				
10	64QAM	1	25	22.33	22.39	22.32	23.2	2		
10	64QAM	1	49	22.34	22.43	22.30				
10	64QAM	25	0	21.41	21.48	21.43				
10	64QAM	25	12	21.15	21.26	21.19	22.2	3		
10	64QAM	25	25	21.23	21.36	21.26				
10	64QAM	50	0	21.28	21.33	21.29				
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.16	24.42	24.33	25.2	0		
5	QPSK	1	12	24.19	24.33	24.20				
5	QPSK	1	24	24.11	24.19	24.19				
5	QPSK	12	0	23.23	23.34	23.15	24.2	1		
5	QPSK	12	7	23.14	23.25	23.25				
5	QPSK	12	13	23.11	23.31	23.21				
5	QPSK	25	0	23.17	23.22	23.26	24.2	1		
5	16QAM	1	0	23.31	23.46	23.22				
5	16QAM	1	12	23.23	23.26	23.27				
5	16QAM	1	24	23.11	23.31	23.22	23.2	2		
5	16QAM	12	0	22.25	22.32	22.24				
5	16QAM	12	7	22.12	22.16	22.12				
5	16QAM	12	13	22.22	22.31	22.20	23.2	2		
5	16QAM	25	0	22.13	22.19	22.04				
5	64QAM	1	0	22.37	22.42	22.40				
5	64QAM	1	12	22.29	22.25	22.26	23.2	2		
5	64QAM	1	24	22.30	22.36	22.26				
5	64QAM	12	0	21.30	21.43	21.33				
5	64QAM	12	7	21.04	21.15	21.07	22.2	3		
5	64QAM	12	13	21.08	21.28	21.19				
5	64QAM	25	0	21.22	21.28	21.19				
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5					



Band 17 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.34	24.40	24.36	25.2	0	
10	QPSK	1	25	24.24	24.30	24.18			
10	QPSK	1	49	24.11	24.26	24.18			
10	QPSK	25	0	23.37	23.42	23.32	24.2	1	
10	QPSK	25	12	23.33	23.36	23.26			
10	QPSK	25	25	23.31	23.40	23.34			
10	QPSK	50	0	23.31	23.36	23.32	24.2	1	
10	16QAM	1	0	23.35	23.41	23.35			
10	16QAM	1	25	23.23	23.28	23.18			
10	16QAM	1	49	23.16	23.25	23.14	23.2	2	
10	16QAM	25	0	22.32	22.38	22.35			
10	16QAM	25	12	22.24	22.32	22.22			
10	16QAM	25	25	22.31	22.41	22.34	23.2	2	
10	16QAM	50	0	22.38	22.42	22.36			
10	64QAM	1	0	22.40	22.46	22.43			
10	64QAM	1	25	22.16	22.30	22.21	23.2	2	
10	64QAM	1	49	22.23	22.29	22.19			
10	64QAM	25	0	21.40	21.45	21.38			
10	64QAM	25	12	21.33	21.37	21.23	22.2	3	
10	64QAM	25	25	21.31	21.38	21.33			
10	64QAM	50	0	21.26	21.39	21.29			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.27	24.37	24.26	25.2	0	
5	QPSK	1	12	24.20	24.24	24.15			
5	QPSK	1	24	24.07	24.12	24.11			
5	QPSK	12	0	23.32	23.32	23.20	24.2	1	
5	QPSK	12	7	23.18	23.27	23.13			
5	QPSK	12	13	23.24	23.26	23.23			
5	QPSK	25	0	23.23	23.22	23.26	24.2	1	
5	16QAM	1	0	23.28	23.34	23.25			
5	16QAM	1	12	23.13	23.17	23.05			
5	16QAM	1	24	23.01	23.21	23.01	23.2	2	
5	16QAM	12	0	22.22	22.27	22.23			
5	16QAM	12	7	22.10	22.25	22.13			
5	16QAM	12	13	22.27	22.36	22.27	23.2	2	
5	16QAM	25	0	22.30	22.34	22.23			
5	64QAM	1	0	22.26	22.35	22.38			
5	64QAM	1	12	22.08	22.27	22.08	23.2	2	
5	64QAM	1	24	22.16	22.22	22.12			
5	64QAM	12	0	21.37	21.37	21.24			
5	64QAM	12	7	21.22	21.33	21.17	22.2	3	
5	64QAM	12	13	21.22	21.25	21.19			
5	64QAM	25	0	21.13	21.29	21.25			

Band 26 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.26	24.38	24.12	25.2	0	
15	QPSK	1	37	24.04	24.16	24.04			
15	QPSK	1	74	24.14	24.20	24.14			
15	QPSK	36	0	23.06	23.21	23.13	24.2	1	
15	QPSK	36	20	23.08	23.18	23.06			
15	QPSK	36	39	22.97	23.12	23.05			
15	QPSK	75	0	23.18	23.23	23.10	24.2	1	
15	16QAM	1	0	23.38	23.44	23.30			
15	16QAM	1	37	23.15	23.18	23.04			
15	16QAM	1	74	23.10	23.23	23.09	23.2	2	
15	16QAM	36	0	22.10	22.21	22.09			
15	16QAM	36	20	22.12	22.22	22.12			
15	16QAM	36	39	22.03	22.16	22.13	23.2	2	
15	16QAM	75	0	22.07	22.19	22.13			
15	64QAM	1	0	22.39	22.47	22.43			
15	64QAM	1	37	22.08	22.21	22.11	23.2	2	
15	64QAM	1	74	22.21	22.29	22.15			
15	64QAM	36	0	21.20	21.25	21.16			
15	64QAM	36	20	21.12	21.24	21.13	22.2	3	
15	64QAM	36	39	21.15	21.22	21.16			
15	64QAM	75	0	21.11	21.14	21.04			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.14	24.30	24.09	25.2	0	
10	QPSK	1	25	23.98	24.07	23.97			
10	QPSK	1	49	24.05	24.10	24.05			
10	QPSK	25	0	22.98	23.15	23.01	24.2	1	
10	QPSK	25	12	22.93	23.13	22.96			
10	QPSK	25	25	22.89	23.07	22.95			
10	QPSK	50	0	23.08	23.18	23.05	24.2	1	
10	16QAM	1	0	23.29	23.31	23.18			
10	16QAM	1	25	23.03	23.05	22.91			
10	16QAM	1	49	23.16	23.12	23.02	23.2	2	
10	16QAM	25	0	21.99	22.16	21.99			
10	16QAM	25	12	22.06	22.19	22.01			
10	16QAM	25	25	21.98	22.12	21.99	23.2	2	
10	16QAM	50	0	22.01	22.06	22.04			
10	64QAM	1	0	22.33	22.39	22.29			
10	64QAM	1	25	22.00	22.08	21.98	23.2	2	
10	64QAM	1	49	22.11	22.18	22.06			
10	64QAM	25	0	21.15	21.19	21.04			
10	64QAM	25	12	20.98	21.19	20.99	22.2	3	
10	64QAM	25	25	21.00	21.10	21.02			
10	64QAM	50	0	21.03	21.03	20.91			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.15	24.23	24.01	25.2	0	
5	QPSK	1	12	23.98	24.08	23.95			
5	QPSK	1	24	24.02	24.09	24.09			
5	QPSK	12	0	22.93	23.12	23.09	24.2	1	
5	QPSK	12	7	22.93	23.05	23.00			
5	QPSK	12	13	22.92	22.99	23.00			
5	QPSK	25	0	23.11	23.19	23.06	24.2	1	
5	16QAM	1	0	23.23	23.38	23.25			
5	16QAM	1	12	23.08	23.04	22.91			
5	16QAM	1	24	23.08	23.09	23.00	23.2	2	
5	16QAM	12	0	22.07	22.12	21.95			
5	16QAM	12	7	22.03	22.09	22.02			
5	16QAM	12	13	21.96	22.11	22.07	23.2	2	
5	16QAM	25	0	21.95	22.15	22.06			
5	64QAM	1	0	22.34	22.36	22.29			
5	64QAM	1	12	22.04	22.09	22.02	22.2	3	
5	64QAM	1	24	22.11	22.24	22.12			
5	64QAM	12	0	21.15	21.13	21.03			
5	64QAM	12	7	21.08	21.11	21.08	22.2	3	
5	64QAM	12	13	21.05	21.17	21.10			
5	64QAM	25	0	20.98	21.05	20.91			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.13	24.35	24.09	25.2	0	
3	QPSK	1	8	23.92	24.11	23.97			
3	QPSK	1	14	24.03	24.06	24.02			
3	QPSK	8	0	22.96	23.16	23.07	24.2	1	
3	QPSK	8	4	22.95	23.06	22.95			
3	QPSK	8	7	22.93	23.00	22.99			
3	QPSK	15	0	23.10	23.18	23.07	24.2	1	
3	16QAM	1	0	23.29	23.34	23.24			
3	16QAM	1	8	23.01	23.14	22.97			
3	16QAM	1	14	23.11	23.16	22.95	23.2	2	
3	16QAM	8	0	22.05	22.15	21.96			
3	16QAM	8	4	21.98	22.09	22.02			
3	16QAM	15	0	21.98	22.02	22.07	23.2	2	
3	64QAM	1	0	21.92	22.15	22.03			
3	64QAM	1	0	22.32	22.32	22.36			
3	64QAM	1	8	22.03	22.13	22.01	23.2	2	
3	64QAM	1	14	22.09	22.18	22.11			
3	64QAM	8	0	21.15	21.13	21.03			
3	64QAM	8	4	21.05	21.18	21.02	22.2	3	
3	64QAM	8	7	21.07	21.16	21.09			
3	64QAM	15	0	21.07	21.08	20.93			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.14	24.26	23.98	25.2	0	
1.4	QPSK	1	3	23.96	24.03	24.00			
1.4	QPSK	1	5	24.10	24.16	24.02			
1.4	QPSK	3	0	23.95	24.15	24.06	24.2	1	
1.4	QPSK	3	1	23.94	24.08	23.90			
1.4	QPSK	3	3	23.87	24.06	23.91			
1.4	QPSK	6	0	23.10	23.09	23.00	24.2	1	
1.4	16QAM	1	0	23.27	23.34	23.18			
1.4	16QAM	1	3	23.06	23.03	22.92			
1.4	16QAM	1	5	23.07	23.18	22.95	24.2		



Band 7 ENDC Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.11	23.13	23.06	24.7	0	
20	QPSK	1	49	22.83	22.98	22.87			
20	QPSK	1	99	22.98	23.07	22.96			
20	QPSK	50	0	22.58	22.64	22.50	23.7	1	
20	QPSK	50	24	22.53	22.58	22.44			
20	QPSK	50	50	22.45	22.57	22.51			
20	QPSK	100	0	22.56	22.61	22.49	23.7	1	
20	16QAM	1	0	22.56	22.66	22.59			
20	16QAM	1	49	22.45	22.58	22.43			
20	16QAM	1	99	22.50	22.64	22.60	22.7	2	
20	16QAM	50	0	21.55	21.66	21.56			
20	16QAM	50	24	21.54	21.63	21.55			
20	16QAM	50	50	21.60	21.74	21.66	22.7	2	
20	16QAM	100	0	21.45	21.59	21.54			
20	64QAM	1	0	21.64	21.74	21.65			
20	64QAM	1	49	21.52	21.66	21.58	22.7	2	
20	64QAM	1	99	21.67	21.78	21.74			
20	64QAM	50	0	20.64	20.68	20.62			
20	64QAM	50	24	20.60	20.66	20.60	21.7	3	
20	64QAM	50	50	20.59	20.73	20.66			
20	64QAM	100	0	20.56	20.60	20.48			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.02	23.08	22.99	24.7	0	
15	QPSK	1	37	22.78	22.93	22.73			
15	QPSK	1	74	22.91	22.96	22.83			
15	QPSK	36	0	22.47	22.56	22.36	23.7	1	
15	QPSK	36	20	22.43	22.52	22.39			
15	QPSK	36	39	22.42	22.48	22.43			
15	QPSK	75	0	22.46	22.46	22.37	23.7	1	
15	16QAM	1	0	22.53	22.53	22.51			
15	16QAM	1	37	22.32	22.47	22.38			
15	16QAM	1	74	22.37	22.51	22.51	22.7	2	
15	16QAM	36	0	21.42	21.61	21.53			
15	16QAM	36	20	21.40	21.50	21.47			
15	16QAM	36	39	21.56	21.59	21.62	22.7	2	
15	16QAM	75	0	21.33	21.49	21.47			
15	64QAM	1	0	21.54	21.60	21.55			
15	64QAM	1	37	21.43	21.57	21.52	22.7	2	
15	64QAM	1	74	21.56	21.67	21.69			
15	64QAM	36	0	20.51	20.64	20.59			
15	64QAM	36	20	20.49	20.55	20.49	21.7	3	
15	64QAM	36	39	20.55	20.65	20.52			
15	64QAM	75	0	20.50	20.50	20.36			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.05	23.06	23.01	24.7	0	
10	QPSK	1	25	22.71	22.85	22.74			
10	QPSK	1	49	22.93	23.03	22.81			
10	QPSK	25	0	22.54	22.50	22.44	23.7	1	
10	QPSK	25	12	22.44	22.49	22.33			
10	QPSK	25	25	22.36	22.42	22.43			
10	QPSK	50	0	22.41	22.51	22.45	23.7	1	
10	16QAM	1	0	22.45	22.53	22.54			
10	16QAM	1	25	22.39	22.48	22.39			
10	16QAM	1	49	22.45	22.52	22.53	22.7	2	
10	16QAM	25	0	21.48	21.60	21.49			
10	16QAM	25	12	21.44	21.53	21.50			
10	16QAM	25	25	21.50	21.70	21.52	22.7	2	
10	16QAM	50	0	21.31	21.49	21.47			
10	64QAM	1	0	21.54	21.69	21.59			
10	64QAM	1	25	21.47	21.57	21.52	22.7	2	
10	64QAM	1	49	21.54	21.68	21.65			
10	64QAM	25	0	20.52	20.58	20.53			
10	64QAM	25	12	20.48	20.52	20.46	21.7	3	
10	64QAM	25	25	20.54	20.63	20.52			
10	64QAM	50	0	20.48	20.45	20.39			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.04	23.02	23.03	24.7	0	
5	QPSK	1	12	22.89	22.94	22.72			
5	QPSK	1	24	22.90	23.00	22.84			
5	QPSK	12	0	22.46	22.52	22.43	23.7	1	
5	QPSK	12	7	22.44	22.54	22.38			
5	QPSK	12	13	22.42	22.53	22.45			
5	QPSK	25	0	22.45	22.51	22.35	23.7	1	
5	16QAM	1	0	22.51	22.54	22.52			
5	16QAM	1	12	22.32	22.54	22.38			
5	16QAM	1	24	22.42	22.52	22.56	22.7	2	
5	16QAM	12	0	21.49	21.51	21.41			
5	16QAM	12	7	21.47	21.57	21.47			
5	16QAM	12	13	21.51	21.69	21.54	22.7	2	
5	16QAM	25	0	21.35	21.53	21.41			
5	64QAM	1	0	21.57	21.61	21.54			
5	64QAM	1	12	21.39	21.54	21.45	22.7	2	
5	64QAM	1	24	21.57	21.70	21.63			
5	64QAM	12	0	20.60	20.57	20.59			
5	64QAM	12	7	20.45	20.53	20.48	21.7	3	
5	64QAM	12	13	20.56	20.70	20.56			
5	64QAM	25	0	20.47	20.57	20.37			



GSM1900 Ant6 Default

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.70	28.76	28.72	30.30	19.70	19.76	19.72	21.30
GPRS 1 Tx slot	28.42	28.60	28.43	30.30	19.42	19.60	19.43	21.30
GPRS 2 Tx slots	25.54	25.63	25.38	27.30	19.54	19.63	19.38	21.30
GPRS 3 Tx slots	23.70	23.69	23.51	25.50	19.44	19.43	19.25	21.24
GPRS 4 Tx slots	22.54	22.57	22.45	24.30	19.54	19.57	19.45	21.30
EDGE 1 Tx slot	25.56	25.34	25.38	27.00	16.56	16.34	16.38	18.00
EDGE 2 Tx slot	22.36	22.16	22.22	24.00	16.36	16.16	16.22	18.00
EDGE 3 Tx slots	20.48	20.34	20.44	22.20	16.22	16.08	16.18	17.94
EDGE 4 Tx slots	19.32	19.11	19.19	21.00	16.32	16.11	16.19	18.00

WCDMA II Ant6 Default

WCDMA IV Ant6 Default

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	23.18	23.34	23.32	24.40	23.38	23.41	23.33	24.40
3GPP Rel 99 RMC 12.2Kbps	23.35	23.52	23.40	24.40	23.42	23.54	23.46	24.40
3GPP Rel 6 HSDPA Subtest-1	22.66	22.60	22.33	23.60	22.57	22.50	22.33	23.40
3GPP Rel 6 HSDPA Subtest-2	22.61	22.65	22.37	23.60	22.37	22.53	22.61	23.40
3GPP Rel 6 HSDPA Subtest-3	21.87	21.89	21.53	22.90	22.09	22.05	21.90	22.90
3GPP Rel 6 HSDPA Subtest-4	21.78	21.91	22.05	22.90	22.28	22.31	22.20	22.90
3GPP Rel 8 DC-HSDPA Subtest-1	22.70	22.76	22.71	23.60	22.41	22.53	22.57	23.40
3GPP Rel 8 DC-HSDPA Subtest-2	22.27	22.38	22.36	23.60	22.48	22.52	22.40	23.40
3GPP Rel 8 DC-HSDPA Subtest-3	21.78	21.86	21.51	22.90	21.92	22.06	22.18	22.90
3GPP Rel 8 DC-HSDPA Subtest-4	21.78	21.73	21.51	22.90	22.03	22.04	21.87	22.90
3GPP Rel 6 HSUPA Subtest-1	22.42	22.61	22.40	23.60	22.47	22.61	22.74	23.40
3GPP Rel 6 HSUPA Subtest-2	19.22	19.32	19.35	20.40	20.63	20.62	20.65	21.40
3GPP Rel 6 HSUPA Subtest-3	20.16	20.41	20.32	21.40	21.43	21.63	21.32	22.40
3GPP Rel 6 HSUPA Subtest-4	19.46	19.22	19.27	20.40	20.39	20.47	20.35	21.40
3GPP Rel 6 HSUPA Subtest-5	22.27	22.63	22.58	23.60	22.36	22.89	22.66	23.40



Band 2 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.09	23.09	23.09	24.4	0
20	QPSK	1	49	22.98	23.03	23.04		
20	QPSK	1	99	23.03	22.99	23.07		
20	QPSK	50	0	22.12	22.16	22.14	23.4	1
20	QPSK	50	24	21.95	22.07	21.97		
20	QPSK	50	50	22.03	22.06	22.10		
20	QPSK	100	0	21.98	22.06	22.02		
20	16QAM	1	0	22.05	22.13	22.05	23.4	1
20	16QAM	1	49	21.91	22.04	21.99		
20	16QAM	1	99	22.07	21.96	22.05		
20	16QAM	50	0	21.09	21.18	21.09		
20	16QAM	50	24	21.02	21.13	21.02		
20	16QAM	50	50	20.99	21.07	21.09	22.4	2
20	16QAM	100	0	21.02	21.10	21.08		
20	64QAM	1	0	21.04	21.07	20.98		
20	64QAM	1	49	20.88	21.00	20.99	22.4	2
20	64QAM	1	99	21.06	20.96	21.01		
20	64QAM	50	0	20.91	20.94	20.95		
20	64QAM	50	24	19.94	20.06	19.98	21.4	3
20	64QAM	50	50	20.04	20.01	20.06		
20	64QAM	100	0	19.98	20.06	20.00		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.06	23.11	23.01	24.4	0
15	QPSK	1	37	22.81	22.99	22.93		
15	QPSK	1	74	22.99	22.85	22.90		
15	QPSK	36	0	23.01	22.96	23.06	23.4	1
15	QPSK	36	20	21.82	21.97	21.80		
15	QPSK	36	39	21.86	21.93	22.03		
15	QPSK	75	0	21.83	21.92	21.99		
15	16QAM	1	0	22.02	22.05	21.89	23.4	1
15	16QAM	1	37	21.84	21.93	21.95		
15	16QAM	1	74	22.03	21.93	22.02		
15	16QAM	36	0	20.98	21.05	21.01	22.4	2
15	16QAM	36	20	20.91	20.94	20.99		
15	16QAM	36	39	20.91	20.94	20.95		
15	16QAM	75	0	20.91	20.94	20.90	22.4	2
15	64QAM	1	0	20.90	20.93	20.84		
15	64QAM	1	37	20.74	20.97	20.85		
15	64QAM	1	74	21.03	20.82	20.84		
15	64QAM	36	0	19.90	19.99	20.06	21.4	3
15	64QAM	36	20	19.85	20.03	19.85		
15	64QAM	36	39	19.81	19.88	19.87		
15	64QAM	75	0	19.83	20.04	19.80		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.04	23.09	23.01	24.4	0
10	QPSK	1	25	22.94	22.94	22.91		
10	QPSK	1	49	22.92	22.83	22.96		
10	QPSK	25	0	22.00	22.01	22.04	23.4	1
10	QPSK	25	12	21.90	21.91	21.86		
10	QPSK	25	25	21.89	22.00	22.03		
10	QPSK	50	0	21.92	22.03	21.95		
10	16QAM	1	0	21.99	22.06	21.92	23.4	1
10	16QAM	1	25	21.79	21.89	21.90		
10	16QAM	1	49	21.92	21.87	21.98		
10	16QAM	25	0	20.97	21.01	21.05	22.4	2
10	16QAM	25	12	20.95	21.02	20.88		
10	16QAM	25	25	20.96	20.95	20.92		
10	16QAM	50	0	20.90	20.96	20.98	22.4	2
10	64QAM	1	0	20.87	21.01	20.94		
10	64QAM	1	25	21.03	20.92	21.04	21.4	3
10	64QAM	1	49	21.04	20.81	20.85		
10	64QAM	25	0	19.90	20.00	20.06		
10	64QAM	25	12	19.86	19.98	19.87		
10	64QAM	25	25	19.93	19.84	20.02		
10	64QAM	50	0	19.92	19.91	19.99		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.06	23.08	23.02	24.4	0
5	QPSK	1	12	22.80	22.95	22.94		
5	QPSK	1	24	22.97	22.96	22.96		
5	QPSK	12	0	21.99	22.02	22.08	23.4	1
5	QPSK	12	7	21.91	21.98	21.82		
5	QPSK	12	13	21.98	22.00	21.95		
5	QPSK	25	0	21.85	22.03	21.95		
5	16QAM	1	0	22.03	22.05	21.90	23.4	1
5	16QAM	1	12	21.74	21.86	21.91		
5	16QAM	1	24	21.98	21.94	21.93		
5	16QAM	12	0	21.00	21.01	21.02	22.4	2
5	16QAM	12	7	21.00	21.02	20.92		
5	16QAM	12	13	20.93	20.98	20.94		
5	16QAM	25	0	20.84	21.06	21.06	22.4	2
5	64QAM	1	0	20.96	21.01	20.93		
5	64QAM	1	12	20.79	20.97	20.89		
5	64QAM	1	24	20.96	20.85	20.97	21.4	3
5	64QAM	12	0	20.01	20.02	20.01		
5	64QAM	12	7	19.83	19.94	19.88		
5	64QAM	12	13	19.88	19.90	19.99		
5	64QAM	25	0	19.95	19.97	19.90		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.96	23.07	23.01	24.4	0
3	QPSK	1	8	22.81	22.96	22.89		
3	QPSK	1	14	22.85	22.88	23.00		
3	QPSK	8	0	21.97	22.02	22.02	23.4	1
3	QPSK	8	4	21.79	21.94	21.94		
3	QPSK	8	7	21.97	22.00	22.02		
3	QPSK	15	0	21.91	21.93	21.98		
3	16QAM	1	0	22.00	22.07	21.92	23.4	1
3	16QAM	1	8	21.74	21.91	21.81		
3	16QAM	1	14	22.00	21.87	21.90		
3	16QAM	8	0	21.00	21.13	21.05	22.4	2
3	16QAM	8	4	20.84	21.09	20.95		
3	16QAM	8	7	20.84	20.94	21.06		
3	16QAM	15	0	21.90	20.97	20.92		
3	64QAM	1	0	20.90	20.91	20.92	22.4	2
3	64QAM	1	8	20.71	20.96	20.85		
3	64QAM	1	14	20.94	20.92	20.96		
3	64QAM	8	0	19.99	20.02	20.07	21.4	3
3	64QAM	8	4	19.88	19.88	19.88		
3	64QAM	8	7	19.90	19.97	19.96		
3	64QAM	15	0	19.81	19.97	19.96		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.06	23.04	22.87	24.4	0
1.4	QPSK	1	3	22.83	22.89	22.92		
1.4	QPSK	1	5	22.89	22.96	22.99		
1.4	QPSK	3	0	22.96	23.08	22.96	23.4	1
1.4	QPSK	3	1	22.82	22.94	22.91		
1.4	QPSK	3	3	22.87	22.98	22.96		
1.4	QPSK	6	0	21.92	21.97	21.89		
1.4	16QAM	1	0	21.96	22.00	21.93	23.4	1
1.4	16QAM	1	3	21.96	21.98	21.94		
1.4	16QAM	1	5	22.04	21.83	22.01		
1.4	16QAM	3	0	21.92	22.07	22.05	23.4	1
1.4	16QAM	3	1	21.91	21.95	21.99		
1.4	16QAM	3	3	21.88	21.97	21.96		
1.4	16QAM	6	0	20.85	20.98	20.93	22.4	2
1.4	64QAM	1	0	20.95	20.96	20.94		
1.4	64QAM	1	3	20.79	20.93	20.96	22.4	2
1.4	64QAM	1	5	20.81	20.98	20.94		
1.4	64QAM	3	0	20.91	20.96	21.03		
1.4	64QAM	3	1	20.90	21.01	20.87		
1.4	64QAM	3	3	21.01	20.83	20.99	21.4	3
1.4	64QAM	6	0	19.87	20.01	20.05		

Band 4 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.09	23.09	23.12	24.4	0
20	QPSK	1	49	23.01	23.11	23.06		
20	QPSK	1	99	23.09	23.18	23.00		
20	QPSK	50	0	22.17	22.23	22.09	23.4	1
20	QPSK	50	24	22.00	22.10	22.05		
20	QPSK	50	50	22.05	22.15	22.07		
20	QPSK	100	0	22.07	22.19	22.09		
20	16QAM	1	0	22.26	22.36	22.33	23.4	1
20	16QAM	1	49	22.22	22.32	22.23		
20	16QAM	1	99	22.22	22.25	22.18		
20	16QAM	50	0	21.17	21.24	21.18		
20	16QAM	50	24	21.08	21.21	21.09	22.4	2
20	16QAM	50	50	21.05	21.17	21.13		



Band 25 Ant6 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26590			
Frequency (MHz)				1850	1890	1905			
20	QPSK	1	0	23.16	23.28	23.11			
20	QPSK	1	49	23.08	23.11	23.04	24.4	0	
20	QPSK	1	99	23.06	23.10	22.96			
20	QPSK	50	0	22.07	22.28	22.16			
20	QPSK	50	24	22.10	22.09	22.00	23.4	1	
20	QPSK	50	50	22.10	22.15	22.08			
20	QPSK	100	0	22.04	22.16	22.10			
20	16QAM	1	0	22.24	22.23	22.17			
20	16QAM	1	49	22.05	22.08	21.98	23.4	1	
20	16QAM	1	99	21.99	22.17	21.99			
20	16QAM	50	0	21.06	21.23	21.18			
20	16QAM	50	24	21.13	21.07	21.08	22.4	2	
20	16QAM	50	50	21.09	21.16	21.03			
20	16QAM	100	0	21.02	21.13	21.08			
20	64QAM	1	0	21.17	21.15	21.17			
20	64QAM	1	49	21.01	21.14	20.96	22.4	2	
20	64QAM	1	99	20.96	21.21	21.06			
20	64QAM	50	0	20.03	20.23	20.19			
20	64QAM	50	24	20.10	20.11	20.15	21.4	3	
20	64QAM	50	50	20.02	20.18	20.06			
20	64QAM	100	0	19.99	20.19	20.00			
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	23.11	23.16	23.05			
15	QPSK	1	37	22.98	23.03	23.01	24.4	0	
15	QPSK	1	74	22.96	22.93	22.87			
15	QPSK	36	0	22.05	22.22	22.03			
15	QPSK	36	20	21.94	22.02	21.93	23.4	1	
15	QPSK	36	39	21.95	22.00	21.98			
15	QPSK	75	0	21.98	22.12	21.96			
15	16QAM	1	0	22.09	22.12	22.05			
15	16QAM	1	37	21.98	22.05	21.84	23.4	1	
15	16QAM	1	74	21.92	22.04	21.96			
15	16QAM	36	0	21.01	21.12	21.05			
15	16QAM	36	20	21.06	20.96	20.92	22.4	2	
15	16QAM	36	39	20.98	20.99	20.92			
15	16QAM	75	0	20.88	20.96	20.91			
15	64QAM	1	0	21.13	21.11	21.13	22.4	2	
15	64QAM	1	37	20.90	21.00	20.90			
15	64QAM	1	74	20.83	21.05	20.94			
15	64QAM	36	0	19.95	20.18	20.12			
15	64QAM	36	20	19.93	20.01	20.04	21.4	3	
15	64QAM	36	39	19.86	20.13	19.88			
15	64QAM	75	0	19.86	20.15	19.89			
Channel				26090	26340	26640			
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	23.04	23.11	23.05			
10	QPSK	1	25	22.92	22.97	22.98	24.4	0	
10	QPSK	1	49	23.01	22.98	22.88			
10	QPSK	25	0	21.92	22.17	22.01			
10	QPSK	25	12	22.06	21.98	21.97	23.4	1	
10	QPSK	25	25	21.98	22.01	22.03			
10	QPSK	50	0	21.87	22.11	21.96			
10	16QAM	1	0	22.14	22.05	22.11			
10	16QAM	1	25	21.92	21.94	21.93	23.4	1	
10	16QAM	1	49	21.92	22.08	21.82			
10	16QAM	25	0	20.93	21.15	21.15			
10	16QAM	25	12	21.01	20.99	21.02	22.4	2	
10	16QAM	25	25	20.94	21.08	20.89			
10	16QAM	50	0	20.92	20.96	20.94			
10	64QAM	1	0	21.05	21.10	21.09	22.4	2	
10	64QAM	1	25	20.97	21.09	20.79			
10	64QAM	1	49	20.81	21.17	21.04			
10	64QAM	25	0	19.99	20.11	20.07			
10	64QAM	25	12	20.07	19.99	20.08	21.4	3	
10	64QAM	25	25	19.86	20.14	19.92			
10	64QAM	50	0	19.90	20.07	19.88			
Channel				26065	26340	26665			
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	23.05	23.17	22.99			
5	QPSK	1	12	22.92	23.03	22.92	24.4	0	
5	QPSK	1	24	22.97	22.93	22.86			
5	QPSK	12	0	22.00	22.11	21.99			
5	QPSK	12	7	21.92	22.04	21.92	23.4	1	
5	QPSK	12	13	21.94	22.06	21.95			
5	QPSK	25	0	21.97	22.09	22.06			
5	16QAM	1	0	22.10	22.06	22.12			
5	16QAM	1	12	21.88	22.04	21.91	23.4	1	
5	16QAM	1	24	21.84	22.13	21.89			
5	16QAM	12	0	20.90	21.17	21.13			
5	16QAM	12	7	21.01	20.94	21.05	22.4	2	
5	16QAM	12	13	21.04	21.08	20.90			
5	16QAM	25	0	20.96	21.04	20.90			
5	64QAM	1	0	21.14	21.06	20.99			
5	64QAM	1	12	20.92	21.03	20.82	22.4	2	
5	64QAM	1	24	20.82	21.03	20.90			
5	64QAM	12	0	19.87	20.08	20.10	21.4	3	
5	64QAM	12	7	20.05	20.07	20.04			
5	64QAM	12	13	19.85	20.04	19.89			
5	64QAM	25	0	19.91	20.13	19.94			
Channel				26055	26340	26675			
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	23.03	23.06	23.00			
3	QPSK	1	8	22.96	22.95	22.87	24.4	0	
3	QPSK	1	14	22.96	22.94	22.91			
3	QPSK	8	0	21.96	22.18	22.05			
3	QPSK	8	4	22.05	22.02	21.83	23.4	1	
3	QPSK	8	7	22.00	22.01	21.91			
3	QPSK	15	0	21.91	22.00	22.02			
3	16QAM	1	0	22.22	22.19	22.08			
3	16QAM	1	8	21.88	21.99	21.86	23.4	1	
3	16QAM	1	14	21.92	22.03	21.91			
3	16QAM	8	0	20.92	21.12	21.13			
3	16QAM	8	4	21.06	20.90	20.93	22.4	2	
3	16QAM	8	7	20.93	21.05	20.88			
3	16QAM	15	0	20.85	21.02	20.96			
3	64QAM	1	0	21.12	21.00	21.12			
3	64QAM	1	8	20.93	21.02	20.91	22.4	2	
3	64QAM	1	14	20.81	21.05	20.99			
3	64QAM	8	0	19.85	20.05	20.11			
3	64QAM	8	4	19.93	20.00	20.05	21.4	3	
3	64QAM	8	7	19.89	20.03	20.02			
3	64QAM	15	0	19.88	20.12	19.96			
Channel				2597	26340	26693			
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	23.03	23.13	23.00			
1.4	QPSK	1	3	23.04	23.07	22.93	24.4	0	
1.4	QPSK	1	5	23.00	22.92	22.79			
1.4	QPSK	3	0	22.87	23.11	23.01			
1.4	QPSK	3	1	22.92	22.88	22.83			
1.4	QPSK	3	3	22.94	23.04	23.01	23.4	1	
1.4	QPSK	6	0	21.88	22.13	21.96			
1.4	16QAM	1	0	22.19	22.16	22.04			
1.4	16QAM	1	3	21.96	22.02	21.90	23.4	1	
1.4	16QAM	1	5	21.97	22.02	21.96			
1.4	16QAM	3	0	21.85	22.08	21.98			
1.4	16QAM	3	1	21.95	21.95	21.89	22.4	2	
1.4	16QAM	3	3	21.94	21.99	21.95			
1.4	16QAM	6	0	20.99	21.02	21.00			
1.4	64QAM	1	0	20.99	21.06	21.03			
1.4	64QAM	1	3	20.95	21.02	20.79	22.4	2	
1.4	64QAM	1	5	20.85	21.12	21.00			
1.4	64QAM	3	0	20.86	21.02	21.10			
1.4	64QAM	3	1	20.97	20.95	20.93			
1.4	64QAM	3	3	20.85	21.09	20.90	21.4	3	
1.4	64QAM	6	0	19.81	20.06	19.84			

Band 66 Ant6 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High			



Band 38 Ant6 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.54	22.61	22.49	23.7	0		
20	QPSK	1	49	22.52	22.54	22.40				
20	QPSK	1	99	22.50	22.49	22.45				
20	QPSK	50	0	21.52	21.59	21.42	22.7	1		
20	QPSK	50	24	21.39	21.57	21.50				
20	QPSK	50	50	21.52	21.54	21.34				
20	QPSK	100	0	21.37	21.59	21.43	22.7	1		
20	16QAM	1	0	21.54	21.64	21.56				
20	16QAM	1	49	21.47	21.55	21.47				
20	16QAM	1	99	21.45	21.51	21.52	21.7	2		
20	16QAM	50	0	20.48	20.61	20.48				
20	16QAM	50	24	20.39	20.57	20.54				
20	16QAM	50	50	20.46	20.50	20.38	21.7	2		
20	16QAM	100	0	20.33	20.65	20.47				
20	64QAM	1	0	20.60	20.56	20.52				
20	64QAM	1	49	20.52	20.49	20.53	21.7	2		
20	64QAM	1	99	20.48	20.45	20.46				
20	64QAM	50	0	19.44	19.56	19.45				
20	64QAM	50	24	19.38	19.58	19.53	20.7	3		
20	64QAM	50	50	19.51	19.58	19.45				
20	64QAM	100	0	19.40	19.63	19.46				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.48	22.56	22.32	23.7	0		
15	QPSK	1	37	22.44	22.40	22.23				
15	QPSK	1	74	22.48	22.40	22.33				
15	QPSK	36	0	21.37	21.55	21.29	22.7	1		
15	QPSK	36	20	21.22	21.44	21.35				
15	QPSK	36	39	21.50	21.49	21.28				
15	QPSK	75	0	21.30	21.55	21.38	22.7	1		
15	16QAM	1	0	21.37	21.50	21.40				
15	16QAM	1	37	21.42	21.39	21.31				
15	16QAM	1	74	21.34	21.46	21.35	21.7	2		
15	16QAM	36	0	20.34	20.46	20.34				
15	16QAM	36	20	20.32	20.45	20.41				
15	16QAM	36	39	20.33	20.41	20.29	21.7	2		
15	16QAM	75	0	20.25	20.50	20.44				
15	64QAM	1	0	20.52	20.41	20.46				
15	64QAM	1	37	20.43	20.40	20.42	21.7	2		
15	64QAM	1	74	20.41	20.30	20.36				
15	64QAM	36	0	19.28	19.51	19.43				
15	64QAM	36	20	19.30	19.53	19.49	20.7	3		
15	64QAM	36	39	19.46	19.53	19.42				
15	64QAM	75	0	19.37	19.46	19.32				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.50	22.58	22.37	23.7	0		
10	QPSK	1	25	22.38	22.44	22.23				
10	QPSK	1	49	22.43	22.33	22.40				
10	QPSK	25	0	21.40	21.50	21.38	22.7	1		
10	QPSK	25	12	21.29	21.53	21.38				
10	QPSK	25	25	21.39	21.45	21.23				
10	QPSK	50	0	21.19	21.51	21.32	22.7	1		
10	16QAM	1	0	21.44	21.61	21.49				
10	16QAM	1	25	21.42	21.41	21.30				
10	16QAM	1	49	21.27	20.55	20.45	21.7	2		
10	16QAM	25	0	20.32	20.55	20.45				
10	16QAM	25	12	20.35	20.39	20.47				
10	16QAM	25	25	20.36	20.35	20.32	21.7	2		
10	16QAM	50	0	20.26	20.57	20.35				
10	64QAM	1	0	20.53	20.48	20.39				
10	64QAM	1	25	20.39	20.41	20.50	21.7	2		
10	64QAM	1	49	20.31	20.37	20.35				
10	64QAM	25	0	19.26	19.49	19.27				
10	64QAM	25	12	19.24	19.48	19.40	20.7	3		
10	64QAM	25	25	19.48	19.48	19.41				
10	64QAM	50	0	19.27	19.56	19.37				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.51	22.59	22.42	23.7	0		
5	QPSK	1	12	22.40	22.41	22.27				
5	QPSK	1	24	22.35	22.46	22.41				
5	QPSK	12	0	21.44	21.50	21.27	22.7	1		
5	QPSK	12	7	21.27	21.41	21.39				
5	QPSK	12	13	21.48	21.46	21.20				
5	QPSK	25	0	21.28	21.44	21.38	22.7	1		
5	16QAM	1	0	21.50	21.51	21.50				
5	16QAM	1	12	21.43	21.41	21.29				
5	16QAM	1	24	21.32	21.33	21.36	21.7	2		
5	16QAM	12	0	20.45	20.51	20.45				
5	16QAM	12	7	20.28	20.46	20.48				
5	16QAM	12	13	20.36	20.39	20.27	21.7	2		
5	16QAM	25	0	20.27	20.57	20.31				
5	64QAM	1	0	20.45	20.52	20.38				
5	64QAM	1	12	20.42	20.42	20.46	21.7	2		
5	64QAM	1	24	20.37	20.32	20.39				
5	64QAM	12	0	19.28	19.50	19.40				
5	64QAM	12	7	19.33	19.51	19.37	20.7	3		
5	64QAM	12	13	19.36	19.47	19.35				

Band 41 Ant6 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.54	22.49	22.63	22.49	22.48	23.7	0		
20	QPSK	1	49	22.36	22.35	22.47	22.38	22.45				
20	QPSK	1	99	22.42	22.44	22.55	22.48	22.46				
20	QPSK	50	0	21.41	21.42	21.59	21.45	21.48	22.7	1		
20	QPSK	50	24	21.39	21.40	21.45	21.35	21.40				
20	QPSK	50	50	21.49	21.40	21.56	21.41	21.50				
20	QPSK	100	0	21.40	21.48	21.60	21.55	21.52	22.7	1		
20	16QAM	1	0	21.49	21.44	21.63	21.55	21.52				
20	16QAM	1	49	21.40	21.32	21.53	21.32	21.42				
20	16QAM	1	99	21.38	21.49	21.52	21.47	21.48	21.7	2		
20	16QAM	50	0	20.34	20.42	20.63	20.46	20.54				
20	16QAM	50	24	20.34	20.44	20.45	20.35	20.46				
20	16QAM	50	50	20.53	20.39	20.55	20.46	20.54	21.7	2		
20	16QAM	100	0	20.39	20.41	20.59	20.48	20.45				
20	64QAM	1	0	20.48	20.52	20.62	20.49	20.54				
20	64QAM	1	49	20.46	20.34	20.56	20.26	20.46	21.7	2		
20	64QAM	1	99	20.43	20.55	20.57	20.49	20.47				
20	64QAM	50	0	19.36	19.49	19.57	19.40	19.52				
20	64QAM	50	24	19.33	19.45	19.51	19.33	19.39	20.7	3		
20	64QAM	50	50	19.57	19.45	19.51	19.40	19.62				
20	64QAM	100	0	19.41	19.36	19.59	19.55	19.41				
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	22.37	22.41	22.59	22.39	22.45	23.70	0		
15	QPSK	1	37	22.29	22.18	22.38	22.28	22.39				
15	QPSK	1	74	22.37	22.27	22.46	22.39	22.43				
15	QPSK	36	0	21.33	21.39	21.41	21.31	21.42	22.7	1		
15	QPSK	36	20	21.24	21.37	21.39	21.31	21.24				
15	QPSK	36	39	21.38	21.36	21.46	21.30	21.42				
15	QPSK	75	0	21.35	21.36	21.47	21.51	21.37	22.7	1		
15	16QAM	1	0	21.33	21.29	21.46	21.41	21.45				
15	16QAM	1	37	21.34	21.24	21.39	21.27	21.29				
15	16QAM	1	74	21.33	21.32	21.41	21.40	21.43	21.7	2		
15	16QAM	36	0	20.21	20.35	20.46	20.39	20.44				
15	16QAM	36	20	20.31	20.38	20.34	20.24	20.43				
15	16QAM	36	39	20.44	20.35	20.43	20.33	20.48	21.7	2		
15	16QAM	75</										



Reduced Power Level for DSI 1

For Ant0

GSM850 Ant 0 DSI1

GSM850 TX Channel	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	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.21	33.38	33.35	34.50	24.21	24.38	24.35	25.50
GPRS 1 Tx slot	33.16	33.25	33.40	34.50	24.16	24.25	24.40	25.50
GPRS 2 Tx slots	29.55	29.66	29.71	31.50	23.55	23.66	23.71	25.50
GPRS 3 Tx slots	27.79	27.84	27.92	29.70	23.53	23.58	23.66	26.44
GPRS 4 Tx slots	26.55	26.66	26.60	28.50	23.55	23.66	23.60	25.50
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slot	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.61	20.59	20.71	22.00	17.51	17.69	17.71	19.00

WCDMA V Ant 0 DSI1

Band	TX Channel	WCDMA V			Tune-up Limit (dBm)
		4132	4182	4233	
	Rx Channel	4367	4407	4468	
	Frequency (MHz)	826.4	836.4	846.8	
3GPP Rel 99	AMR 12.2Kbps	24.51	24.58	24.44	25.50
3GPP Rel 99	RMC 12.2Kbps	24.59	24.64	24.57	25.50
3GPP Rel 6	HSDPA Subtest-1	21.17	21.33	21.24	22.50
3GPP Rel 6	HSDPA Subtest-2	21.23	21.33	21.30	22.50
3GPP Rel 6	HSDPA Subtest-3	22.78	22.81	22.79	24.00
3GPP Rel 6	HSDPA Subtest-4	22.66	22.87	22.75	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.15	21.46	21.26	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.21	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.87	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.73	22.85	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	21.25	21.33	21.20	22.50
3GPP Rel 6	HSUPA Subtest-2	19.16	19.37	19.26	20.50
3GPP Rel 6	HSUPA Subtest-3	20.20	20.40	20.33	21.50
3GPP Rel 6	HSUPA Subtest-4	19.20	19.31	19.28	20.50
3GPP Rel 6	HSUPA Subtest-5	21.23	21.33	21.36	22.50



Band 5 Ant 0 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.56	24.57	24.53	25.5	0		
10	QPSK	1	25	24.45	24.52	24.46				
10	QPSK	1	49	24.48	24.55	24.43				
10	QPSK	25	0	23.58	23.66	23.61	24.5	1		
10	QPSK	25	12	23.52	23.63	23.51				
10	QPSK	25	25	23.47	23.59	23.47				
10	QPSK	50	0	23.57	23.66	23.63	24.5	1		
10	16QAM	1	0	23.53	23.59	23.44				
10	16QAM	1	25	23.42	23.52	23.37				
10	16QAM	1	49	23.40	23.51	23.39	23.5	2		
10	16QAM	25	0	22.62	22.69	22.55				
10	16QAM	25	12	22.54	22.61	22.53				
10	16QAM	25	25	22.52	22.59	22.44	23.5	2		
10	16QAM	50	0	22.49	22.62	22.53				
10	64QAM	1	0	22.52	22.64	22.58				
10	64QAM	1	25	22.51	22.58	22.52	23.5	2		
10	64QAM	1	49	22.41	22.50	22.41				
10	64QAM	25	0	21.63	21.70	21.62				
10	64QAM	25	12	21.51	21.60	21.52	22.5	3		
10	64QAM	25	25	21.50	21.55	21.47				
10	64QAM	50	0	21.47	21.61	21.47				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.46	24.46	24.44	25.5	0		
5	QPSK	1	12	24.32	24.44	24.32				
5	QPSK	1	24	24.39	24.49	24.34				
5	QPSK	12	0	23.53	23.56	23.49	24.5	1		
5	QPSK	12	7	23.38	23.56	23.48				
5	QPSK	12	13	23.39	23.56	23.32				
5	QPSK	25	0	23.49	23.57	23.59	24.5	1		
5	16QAM	1	0	23.49	23.49	23.40				
5	16QAM	1	12	23.38	23.42	23.26				
5	16QAM	1	24	23.35	23.43	23.34	23.5	2		
5	16QAM	12	0	22.51	22.63	22.51				
5	16QAM	12	7	22.44	22.52	22.42				
5	16QAM	12	13	22.45	22.48	22.36	23.5	2		
5	16QAM	25	0	22.34	22.58	22.48				
5	64QAM	1	0	22.40	22.55	22.50				
5	64QAM	1	12	22.37	22.51	22.43	23.5	2		
5	64QAM	1	24	22.26	22.38	22.38				
5	64QAM	12	0	21.60	21.59	21.47				
5	64QAM	12	7	21.43	21.56	21.48	22.5	3		
5	64QAM	12	13	21.46	21.43	21.44				
5	64QAM	25	0	21.35	21.50	21.37				
Channel				20416	20525	20635				
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	24.47	24.48	24.50	25.5	0		
3	QPSK	1	8	24.35	24.43	24.37				
3	QPSK	1	14	24.36	24.40	24.35				
3	QPSK	8	0	23.48	23.59	23.47	24.5	1		
3	QPSK	8	4	23.47	23.49	23.46				
3	QPSK	8	7	23.35	23.47	23.37				
3	QPSK	15	0	23.45	23.51	23.52	24.5	1		
3	16QAM	1	0	23.39	23.53	23.38				
3	16QAM	1	8	23.38	23.40	23.31				
3	16QAM	1	14	23.29	23.37	23.35	23.5	2		
3	16QAM	8	0	22.52	22.66	22.51				
3	16QAM	8	4	22.40	22.58	22.44				
3	16QAM	8	7	22.44	22.53	22.39	23.5	2		
3	16QAM	15	0	22.34	22.51	22.42				
3	64QAM	1	0	22.40	22.52	22.54				
3	64QAM	1	8	22.38	22.53	22.38	23.5	2		
3	64QAM	1	14	22.36	22.36	22.30				
3	64QAM	8	0	21.49	21.56	21.50				
3	64QAM	8	4	21.37	21.51	21.46	22.5	3		
3	64QAM	8	7	21.44	21.51	21.33				
3	64QAM	15	0	21.40	21.51	21.40				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.46	24.52	24.47	25.5	0		
1.4	QPSK	1	3	24.31	24.49	24.35				
1.4	QPSK	1	5	24.34	24.43	24.34				
1.4	QPSK	3	0	24.47	24.48	24.53	24.5	1		
1.4	QPSK	3	1	24.43	24.49	24.39				
1.4	QPSK	3	3	24.29	24.51	24.35				
1.4	QPSK	6	0	23.49	23.57	23.51	24.5	1		
1.4	16QAM	1	0	23.47	23.48	23.37				
1.4	16QAM	1	3	23.36	23.46	23.25				
1.4	16QAM	1	5	23.27	23.39	23.26	24.5	1		
1.4	16QAM	3	0	23.49	23.59	23.45				
1.4	16QAM	3	1	23.47	23.51	23.44				
1.4	16QAM	3	3	23.35	23.47	23.33	23.5	2		
1.4	16QAM	6	0	22.42	22.51	22.40				
1.4	64QAM	1	0	22.38	22.60	22.48				
1.4	64QAM	1	3	22.43	22.48	22.42	23.5	2		
1.4	64QAM	1	5	22.33	22.36	22.28				
1.4	64QAM	3	0	22.48	22.51	22.46				
1.4	64QAM	3	1	22.36	22.46	22.34	22.5	3		
1.4	64QAM	3	3	22.34	22.47	22.35				
1.4	64QAM	6	0	21.40	21.57	21.33				

Band 12 Ant 0 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23600	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.54	24.76	24.68	25.5	0		
10	QPSK	1	25	24.51	24.65	24.54				
10	QPSK	1	49	24.47	24.51	24.40				
10	QPSK	25	0	23.65	23.69	23.63	24.5	1		
10	QPSK	25	12	23.59	23.64	23.55				
10	QPSK	25	25	23.62	23.66	23.58				
10	QPSK	50	0	23.53	23.57	23.45	24.5	1		
10	16QAM	1	0	23.72	23.82	23.76				
10	16QAM	1	25	23.66	23.72	23.65				
10	16QAM	1	49	23.49	23.54	23.46	23.5	2		
10	16QAM	25	0	22.85	22.73	22.60				
10	16QAM	25	12	22.59	22.65	22.61				
10	16QAM	25	25	22.66	22.69	22.62	23.5	2		
10	16QAM	50	0	22.51	22.58	22.46				
10	64QAM	1	0	22.74	22.78	22.69				
10	64QAM	1	25	22.60	22.72	22.57	23.5	2		
10	64QAM	1	49	22.42	22.54	22.45				
10	64QAM	25	0	21.67	21.77	21.64				
10	64QAM	25	12	21.57	21.65	21.60	22.5	3		
10	64QAM	25	25	21.69	21.73	21.64				
10	64QAM	50	0	21.50	21.63	21.55				
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.44	24.65	24.60	25.5	0		
5	QPSK	1	12	24.42	24.51	24.46				
5	QPSK	1	24	24.44	24.41	24.29				
5	QPSK	12	0	23.51	23.57	23.56	24.5	1		
5	QPSK	12	7	23.53	23.58	23.41				
5	QPSK	12	13	23.51	23.59	23.40				
5	QPSK	25	0	23.48	23.47	23.33	24.5	1		
5	16QAM	1	0	23.62	23.77	23.63				
5	16QAM	1	12	23.54	23.59	23.59				
5	16QAM	1	24	23.35	23.47	23.40	23.5	2		
5	16QAM	12	0	22.56	22.63	22.52				
5	16QAM	12	7	22.49	22.54	22.55				
5	16QAM	12	13	22.61	22.56	22.55	23.5	2		
5	16QAM	25	0	22.40	22.49	22.31				
5	64QAM	1	0	22.63	22.70	22.63				
5	64QAM	1	12	22.54	22.63	22.43	23.5	2		
5	64QAM	1	24	22.39	22.43	22.39				
5	64QAM	12	0	21.56	21.67	21.50				
5	64QAM	12	7	21.50	21.53	21.54	22.5	3		
5	64QAM	12	13	21.63	21.62	21.55				
5	64QAM	25	0	21.44	21.53	21.42				
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5					



Band 17 Ant 0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.61	24.73	24.66	25.5	0	
10	QPSK	1	25	24.43	24.58	24.49			
10	QPSK	1	49	24.39	24.50	24.47			
10	QPSK	25	0	23.61	23.66	23.59			
10	QPSK	25	12	23.58	23.64	23.51	24.5	1	
10	QPSK	25	25	23.50	23.61	23.50			
10	QPSK	50	0	23.48	23.60	23.45			
10	16QAM	1	0	23.66	23.74	23.69			
10	16QAM	1	25	23.42	23.53	23.41	24.5	1	
10	16QAM	1	49	23.40	23.46	23.39			
10	16QAM	25	0	22.63	22.70	22.61			
10	16QAM	25	12	22.53	22.62	22.51	23.5	2	
10	16QAM	25	25	22.48	22.59	22.53			
10	16QAM	50	0	22.54	22.59	22.48			
10	64QAM	1	0	22.61	22.75	22.65			
10	64QAM	1	25	22.51	22.59	22.55	23.5	2	
10	64QAM	1	49	22.38	22.44	22.41			
10	64QAM	25	0	21.64	21.69	21.61			
10	64QAM	25	12	21.57	21.65	21.57	22.5	3	
10	64QAM	25	25	21.54	21.65	21.57			
10	64QAM	50	0	21.51	21.63	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.48	24.69	24.52	25.5	0	
5	QPSK	1	12	24.33	24.50	24.41			
5	QPSK	1	24	24.25	24.44	24.44			
5	QPSK	12	0	23.46	23.60	23.56	24.5	1	
5	QPSK	12	7	23.49	23.53	23.38			
5	QPSK	12	13	23.36	23.52	23.42			
5	QPSK	25	0	23.40	23.51	23.33			
5	16QAM	1	0	23.59	23.67	23.61	24.5	1	
5	16QAM	1	12	23.34	23.49	23.36			
5	16QAM	1	24	23.26	23.34	23.26			
5	16QAM	12	0	22.49	22.58	22.57	23.5	2	
5	16QAM	12	7	22.41	22.56	22.36			
5	16QAM	12	13	22.41	22.53	22.41			
5	16QAM	25	0	22.42	22.56	22.34			
5	64QAM	1	0	22.52	22.65	22.56	23.5	2	
5	64QAM	1	12	22.46	22.46	22.51			
5	64QAM	1	24	22.23	22.41	22.28			
5	64QAM	12	0	21.60	21.60	21.54	22.5	3	
5	64QAM	12	7	21.44	21.50	21.50			
5	64QAM	12	13	21.46	21.59	21.51			
5	64QAM	25	0	21.45	21.55	21.38			

Band 26 Ant 0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.48	24.61	24.42	25.5	0	
15	QPSK	1	37	24.39	24.49	24.38			
15	QPSK	1	74	24.29	24.39	24.35			
15	QPSK	36	0	23.55	23.67	23.61	24.5	1	
15	QPSK	36	20	23.51	23.62	23.54			
15	QPSK	36	39	23.50	23.55	23.43			
15	QPSK	75	0	23.51	23.60	23.55			
15	16QAM	1	0	23.54	23.67	23.56	24.5	1	
15	16QAM	1	37	23.40	23.50	23.56			
15	16QAM	1	74	23.37	23.41	23.38			
15	16QAM	36	0	22.63	22.68	22.60	23.5	2	
15	16QAM	36	20	22.54	22.66	22.52			
15	16QAM	36	39	22.41	22.52	22.44			
15	16QAM	75	0	22.52	22.58	22.49			
15	64QAM	1	0	22.60	22.61	22.61	23.5	2	
15	64QAM	1	37	22.35	22.46	22.32			
15	64QAM	1	74	22.32	22.39	22.30			
15	64QAM	36	0	21.64	21.69	21.56	22.5	3	
15	64QAM	36	20	21.65	21.70	21.61			
15	64QAM	36	39	21.48	21.57	21.51			
15	64QAM	75	0	21.56	21.63	21.55			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.50	24.29	25.5	0	
10	QPSK	1	25	24.25	24.35	24.34			
10	QPSK	1	49	24.19	24.34	24.21			
10	QPSK	25	0	23.41	23.63	23.56	24.5	1	
10	QPSK	25	12	23.42	23.59	23.44			
10	QPSK	25	25	23.39	23.51	23.37			
10	QPSK	50	0	23.43	23.51	23.40			
10	16QAM	1	0	23.43	23.59	23.46	24.5	1	
10	16QAM	1	25	23.35	23.45	23.27			
10	16QAM	1	49	23.28	23.36	23.33			
10	16QAM	25	0	22.56	22.58	22.55	23.5	2	
10	16QAM	25	12	22.49	22.61	22.41			
10	16QAM	25	25	22.30	22.42	22.33			
10	16QAM	50	0	22.41	22.50	22.40			
10	64QAM	1	0	22.56	22.50	22.47	23.5	2	
10	64QAM	1	25	22.27	22.32	22.26			
10	64QAM	1	49	22.28	22.32	22.25			
10	64QAM	25	0	21.59	21.57	21.49	22.5	3	
10	64QAM	25	12	21.50	21.60	21.50			
10	64QAM	25	25	21.42	21.43	21.39			
10	64QAM	50	0	21.45	21.53	21.41			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.30	24.49	24.30	25.5	0	
5	QPSK	1	12	24.36	24.35	24.35			
5	QPSK	1	24	24.24	24.31	24.21			
5	QPSK	12	0	23.43	23.63	23.54	24.5	1	
5	QPSK	12	7	23.44	23.48	23.47			
5	QPSK	12	13	23.42	23.48	23.32			
5	QPSK	25	0	23.46	23.55	23.52			
5	16QAM	1	0	23.43	23.56	23.47	24.5	1	
5	16QAM	1	12	23.31	23.41	23.31			
5	16QAM	1	24	23.27	23.33	23.34			
5	16QAM	12	0	22.54	22.65	22.57	23.5	2	
5	16QAM	12	7	22.45	22.57	22.47			
5	16QAM	12	13	22.28	22.48	22.29			
5	16QAM	25	0	22.40	22.49	22.42			
5	64QAM	1	0	22.47	22.49	22.50	23.5	2	
5	64QAM	1	12	22.25	22.33	22.18			
5	64QAM	1	24	22.19	22.30	22.18			
5	64QAM	12	0	21.50	21.61	21.46	22.5	3	
5	64QAM	12	7	21.50	21.62	21.54			
5	64QAM	12	13	21.34	21.53	21.47			
5	64QAM	25	0	21.47	21.52	21.49			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.35	24.47	24.37	25.5	0	
3	QPSK	1	8	24.33	24.37	24.25			
3	QPSK	1	14	24.16	24.27	24.29			
3	QPSK	8	0	23.44	23.62	23.47	24.5	1	
3	QPSK	8	4	23.37	23.51	23.48			
3	QPSK	8	7	23.37	23.42	23.38			
3	QPSK	15	0	23.41	23.50	23.47			
3	16QAM	1	0	23.42	23.53	23.48	24.5	1	
3	16QAM	1	8	23.25	23.37	23.26			
3	16QAM	1	14	23.30	23.32	23.33			
3	16QAM	8	0	22.58	22.60	22.52	23.5	2	
3	16QAM	8	4	22.48	22.57	22.44			
3	16QAM	8	7	22.35	22.38	22.38			
3	64QAM	15	0	22.42	22.51	22.38	23.5	2	
3	64QAM	1	0	22.54	22.49	22.56			
3	64QAM	1	8	22.26	22.39	22.25			
3	64QAM	1	14	22.20	22.35	22.23			
3	64QAM	8	0	21.56	21.57	21.51	22.5	3	
3	64QAM	8	4	21.52	21.58	21.55			
3	64QAM	8	7	21.37	21.44	21.45			
3	64QAM	15	0	21.46	21.59	21			



For Ant1

GSM1900 Ant 1 DSI1

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.73	29.74	29.70	31.00	20.73	20.74	20.70	22.00
GPRS 1 Tx slot	29.78	29.66	29.73	31.00	20.78	20.66	20.73	22.00
GPRS 2 Tx slots	26.18	26.12	26.14	28.00	20.18	20.12	20.14	22.00
GPRS 3 Tx slots	24.37	24.30	24.26	26.20	20.11	20.04	20.00	21.94
GPRS 4 Tx slots	23.19	23.21	23.17	25.00	20.19	20.21	20.17	22.00
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSI1

WCDMA IV Ant 1 DSI1

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	24.19	24.30	24.12	25.10	24.31	24.35	24.28	25.10
3GPP Rel 99 RMC 12.2Kbps	24.34	24.39	24.27	25.10	24.42	24.44	24.37	25.10
3GPP Rel 6 HSDPA Subtest-1	23.52	23.62	23.72	24.30	23.62	23.58	23.54	24.10
3GPP Rel 6 HSDPA Subtest-2	23.44	23.63	23.52	24.30	23.50	23.59	23.42	24.10
3GPP Rel 6 HSDPA Subtest-3	22.95	22.96	22.93	23.60	23.22	23.21	23.00	23.60
3GPP Rel 6 HSDPA Subtest-4	22.91	22.96	22.95	23.60	23.02	23.23	22.93	23.60
3GPP Rel 8 DC-HSDPA Subtest-1	23.45	23.78	23.68	24.30	23.38	23.67	23.44	24.10
3GPP Rel 8 DC-HSDPA Subtest-2	23.55	23.81	23.68	24.30	23.52	23.53	23.65	24.10
3GPP Rel 8 DC-HSDPA Subtest-3	22.94	23.05	23.04	23.60	22.88	22.98	22.95	23.60
3GPP Rel 8 DC-HSDPA Subtest-4	23.07	23.14	22.91	23.60	22.86	23.08	22.69	23.60
3GPP Rel 6 HSUPA Subtest-1	23.68	23.66	23.51	24.30	23.68	23.67	23.60	24.10
3GPP Rel 6 HSUPA Subtest-2	20.43	20.50	20.38	21.10	21.50	21.61	21.45	22.10
3GPP Rel 6 HSUPA Subtest-3	21.53	21.47	21.38	22.10	22.51	22.67	22.47	23.10
3GPP Rel 6 HSUPA Subtest-4	20.51	20.56	20.35	21.10	21.60	21.75	21.57	22.10
3GPP Rel 6 HSUPA Subtest-5	23.67	23.81	23.78	24.30	23.31	23.57	23.49	24.10



Band 2 Ant 1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.71	23.82	23.78	25.1	0	
20	QPSK	1	49	23.67	23.75	23.72			
20	QPSK	1	99	23.69	23.73	23.80			
20	QPSK	50	0	23.03	23.11	23.03			
20	QPSK	50	24	22.90	23.05	23.00			
20	QPSK	50	50	22.91	22.98	22.83			
20	QPSK	100	0	22.93	23.01	22.89			
20	16QAM	1	0	23.08	23.19	23.11			
20	16QAM	1	49	23.08	23.21	23.09			
20	16QAM	1	99	23.26	23.31	23.21			
20	16QAM	50	0	21.99	22.06	22.02			
20	16QAM	50	24	22.00	22.05	21.92			
20	16QAM	50	50	22.01	22.14	22.05			
20	16QAM	100	0	22.00	22.04	21.90			
20	64QAM	1	0	22.04	22.12	22.00			
20	64QAM	1	49	21.98	22.08	22.03			
20	64QAM	1	99	22.08	22.14	22.09			
20	64QAM	50	0	20.99	21.07	20.92			
20	64QAM	50	24	20.91	21.04	20.99			
20	64QAM	50	50	20.97	21.06	20.92			
20	64QAM	100	0	20.98	21.03	20.97			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.68	23.71	23.66	25.1	0	
15	QPSK	1	37	23.54	23.62	23.62			
15	QPSK	1	74	23.59	23.65	23.51			
15	QPSK	36	0	22.99	22.99	22.92			
15	QPSK	36	20	22.83	22.91	22.92			
15	QPSK	36	39	22.84	22.88	22.71			
15	QPSK	75	0	22.78	22.87	22.84			
15	16QAM	1	0	22.95	23.10	22.99			
15	16QAM	1	37	23.02	23.08	22.98			
15	16QAM	1	74	23.12	23.23	23.14			
15	16QAM	36	0	21.90	21.94	21.91			
15	16QAM	36	20	21.91	21.96	21.89			
15	16QAM	36	39	21.97	22.02	21.94			
15	16QAM	75	0	21.89	21.96	21.82			
15	64QAM	1	0	21.95	22.04	21.94			
15	64QAM	1	37	21.83	22.02	21.91			
15	64QAM	1	74	22.03	22.08	22.02			
15	64QAM	36	0	20.91	20.94	20.85			
15	64QAM	36	20	20.77	20.91	20.93			
15	64QAM	36	39	20.91	21.00	20.93			
15	64QAM	75	0	20.95	20.99	20.85			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.62	23.75	23.65	25.1	0	
10	QPSK	1	25	23.63	23.65	23.68			
10	QPSK	1	49	23.54	23.63	23.57			
10	QPSK	25	0	22.99	22.97	22.98			
10	QPSK	25	12	22.77	22.99	22.94			
10	QPSK	25	25	22.78	22.86	22.79			
10	QPSK	50	0	22.96	23.09	22.97			
10	16QAM	1	0	22.99	23.10	23.00			
10	16QAM	1	25	22.94	23.16	23.03			
10	16QAM	1	49	23.18	23.17	23.09			
10	16QAM	25	0	21.85	21.95	21.92			
10	16QAM	25	12	21.92	21.91	21.77			
10	16QAM	25	25	21.96	22.03	21.98			
10	16QAM	50	0	21.97	21.90	21.84			
10	64QAM	1	0	21.92	22.07	21.87			
10	64QAM	1	25	21.85	21.97	21.84			
10	64QAM	1	49	22.03	22.07	22.01			
10	64QAM	25	0	20.87	20.94	20.79			
10	64QAM	25	12	20.88	21.00	20.95			
10	64QAM	25	25	20.88	20.92	20.80			
10	64QAM	50	0	20.91	20.92	20.87			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.58	23.78	23.70	25.1	0	
5	QPSK	1	12	23.62	23.68	23.61			
5	QPSK	1	24	23.64	23.64	23.67			
5	QPSK	12	0	22.99	23.08	22.96			
5	QPSK	12	7	22.80	22.92	22.91			
5	QPSK	12	13	22.78	22.91	22.72			
5	QPSK	25	0	22.90	22.87	22.86			
5	16QAM	1	0	22.95	23.09	23.02			
5	16QAM	1	12	22.93	23.15	23.01			
5	16QAM	1	24	23.22	23.30	23.19			
5	16QAM	12	0	21.94	21.92	21.88			
5	16QAM	12	7	21.88	22.02	21.80			
5	16QAM	12	13	21.88	22.05	21.99			
5	16QAM	25	0	21.84	21.89	21.84			
5	64QAM	1	0	22.01	21.99	21.90			
5	64QAM	1	12	21.88	22.01	21.95			
5	64QAM	1	24	21.97	22.04	22.01			
5	64QAM	12	0	20.85	21.01	20.85			
5	64QAM	12	7	20.84	20.97	20.80			
5	64QAM	12	13	20.90	20.99	20.82			
5	64QAM	25	0	20.91	20.95	20.84			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.65	23.73	23.68	25.1	0	
3	QPSK	1	8	23.61	23.67	23.67			
3	QPSK	1	14	23.65	23.59	23.56			
3	QPSK	8	0	22.90	22.96	22.90			
3	QPSK	8	4	22.87	22.99	22.86			
3	QPSK	8	7	22.84	22.94	22.74			
3	QPSK	15	0	22.84	22.87	22.75			
3	16QAM	1	0	23.04	23.16	23.00			
3	16QAM	1	8	22.96	23.16	23.05			
3	16QAM	1	14	23.22	23.17	23.18			
3	16QAM	8	0	21.93	21.95	21.94			
3	16QAM	8	4	21.95	21.91	21.82			
3	16QAM	8	7	21.96	22.11	21.93			
3	16QAM	15	0	21.88	21.99	21.79			
3	64QAM	1	0	21.96	22.03	21.93			
3	64QAM	1	8	21.90	22.04	21.92			
3	64QAM	1	14	21.97	22.01	21.98			
3	64QAM	8	0	20.91	20.97	20.85			
3	64QAM	8	4	20.83	20.91	20.87			
3	64QAM	8	7	20.83	20.93	20.82			
3	64QAM	15	0	20.91	20.98	20.86			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.59	23.76	23.73	25.1	0	
1.4	QPSK	1	3	23.56	23.67	23.61			
1.4	QPSK	1	5	23.58	23.63	23.53			
1.4	QPSK	3	0	23.76	23.80	23.73			
1.4	QPSK	3	1	23.58	23.76	23.72			
1.4	QPSK	3	3	23.58	23.65	23.59			
1.4	QPSK	6	0	22.90	22.87	22.79			
1.4	16QAM	1	0	23.02	23.12	22.99			
1.4	16QAM	1	3	23.05	23.11	22.99			
1.4	16QAM	1	5	23.16	23.17	23.14			
1.4	16QAM	3	0	22.87	22.94	22.95			
1.4	16QAM	3	1	22.81	22.99	22.88			
1.4	16QAM	3	3	22.88	23.06	22.93			
1.4	16QAM	6	0	21.89	21.99	21.86			
1.4	64QAM	1	0	21.99	22.08	21.97			
1.4	64QAM	1	3	21.89	22.04	21.90			
1.4	64QAM	1	5	22.01	22.00	21.96			
1.4	64QAM	3	0	21.85	21.93	21.79			
1.4	64QAM	3	1	21.85	21.97	21.90			
1.4	64QAM	3	3	21.91	21.97	21.88			
1.4	64QAM	6	0	20.92	20.88	20.92			

Band 4 Ant 1 DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.71	23.73	23.68	25.1	0	
20	QPSK	1	49	23.73	23.82	23.77			
20	QPSK	1	99	23.82	23.87	23.77			
20	QPSK	50	0	22.87	23.00	22.85			
20	QPSK	50	24	22.85	22.92	22.78			
20	QPSK	50	50	22.88	22.98	22.92			
20	QPSK	100	0	22.83	22.93	22.79			
20	16QAM	1	0	22.83	22.97	22.83			
20	16QAM	1	49	22.82	22.77	22.72			
20	16QAM	1	99	22.81	22.91	22.87			
20	16QAM	50	0	21.88	21.95	21.82			
20	16QAM	50	24	21.81	21.90	21.81			
20	16QAM	50	50	21.84	21.97	21.92			
20	16QAM	100	0	21.88	21.93	21.79			
20	64QAM	1	0	21.82	21.93	21.80			
20	64QAM	1	49	21.64	21.75	21.60			
20	64QAM	1	99	21.84	21.90	21.87			
20	64QAM	50	0	20.90	20.93	20.87			
20	64QAM	50	24	20.77	20.87	20.74			
20	64QAM	50	50	20.92	20.99	20.88			
20	64QAM	100	0	20.75	20.90	20.82			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.82	23.86	23.76	25.1	0	
15	QPSK	1	37	23.84	23.78	23.73			
15	QPSK	1	74	23.67	23.76	23.66			
15	QPSK	36	0	22.76	22.95	22.81			
15	QPSK	36	20	22.81	22.88	22.84			
15	QPSK	36	39	22.74	22.88	22.86			
15	QPSK	75	0	22.77	22.84	22.70			
15	16QAM	1	0	22.73	22.86	22.79			
15	16QAM	1	37	22.58	22.65	22.62			
15	16QAM	1	74	22.70	22.79	22.76			
15	16QAM	36	0	21.85	21.81	21.78			



Band 25 Ant 1 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				1850	1850	1850				
Frequency (MHz)				1850	1850	1850				
20	QPSK	1	0	23.80	23.83	23.87				
20	QPSK	1	49	23.71	23.84	23.80	25.1	0		
20	QPSK	1	99	23.83	23.88	23.83				
20	QPSK	50	0	22.91	23.04	22.91				
20	QPSK	50	24	22.88	22.95	22.86	24.1	1		
20	QPSK	50	50	22.93	23.02	22.91				
20	QPSK	100	0	23.01	23.06	22.93				
20	16QAM	1	0	22.78	22.95	22.86				
20	16QAM	1	49	22.74	22.84	22.77	24.1	1		
20	16QAM	1	99	22.80	22.94	22.88				
20	16QAM	50	0	21.91	22.01	21.90				
20	16QAM	50	24	21.87	21.91	21.82	23.1	2		
20	16QAM	50	50	21.99	22.08	21.89				
20	16QAM	100	0	22.03	22.02	21.88				
20	64QAM	1	0	21.73	21.83	21.83				
20	64QAM	1	49	21.78	21.84	21.73	23.1	2		
20	64QAM	1	99	21.78	21.87	21.88				
20	64QAM	50	0	20.97	20.98	20.90				
20	64QAM	50	24	20.88	20.95	20.80	22.1	3		
20	64QAM	50	50	20.96	21.02	20.86				
20	64QAM	100	0	21.01	21.05	20.89				
Channel				2615	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	23.73	23.90	23.75				
15	QPSK	1	37	23.62	23.81	23.71	25.1	0		
15	QPSK	1	74	23.89	23.77	23.79				
15	QPSK	36	0	22.87	22.98	22.86				
15	QPSK	36	20	22.80	22.84	22.80	24.1	1		
15	QPSK	36	39	22.79	22.92	22.77				
15	QPSK	75	0	22.89	23.02	22.89				
15	16QAM	1	0	22.69	22.84	22.77				
15	16QAM	1	37	22.64	22.70	22.69	24.1	1		
15	16QAM	1	74	22.73	22.86	22.78				
15	16QAM	36	0	21.77	21.94	21.87				
15	16QAM	36	20	21.77	21.76	21.75	23.1	2		
15	16QAM	36	39	21.90	22.00	21.74				
15	16QAM	75	0	21.93	21.94	21.80				
15	64QAM	1	0	21.61	21.88	21.73				
15	64QAM	1	37	21.65	21.78	21.65	23.1	2		
15	64QAM	1	74	21.74	21.84	21.78				
15	64QAM	36	0	20.87	20.90	20.82				
15	64QAM	36	20	20.83	20.91	20.69	22.1	3		
15	64QAM	36	39	20.91	20.88	20.72				
15	64QAM	75	0	20.90	21.00	20.84				
Channel				26590	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	23.69	23.82	23.74				
10	QPSK	1	25	23.65	23.79	23.73	25.1	0		
10	QPSK	1	49	23.77	23.78	23.76				
10	QPSK	25	0	22.82	22.99	22.85				
10	QPSK	25	12	22.77	22.83	22.81	24.1	1		
10	QPSK	25	25	22.88	22.88	22.87				
10	QPSK	50	0	22.91	23.02	22.82				
10	16QAM	1	0	22.63	22.87	22.82				
10	16QAM	1	25	22.59	22.72	22.66	24.1	1		
10	16QAM	1	49	22.75	22.88	22.77				
10	16QAM	25	0	21.77	21.89	21.78				
10	16QAM	25	12	21.82	21.88	21.71	23.1	2		
10	16QAM	25	25	21.85	21.99	21.83				
10	16QAM	50	0	21.91	21.89	21.84				
10	64QAM	1	0	21.65	21.89	21.74				
10	64QAM	1	25	21.66	21.74	21.65	23.1	2		
10	64QAM	1	49	21.84	21.87	21.76				
10	64QAM	25	0	20.91	20.86	20.77				
10	64QAM	25	12	20.83	20.83	20.67	22.1	3		
10	64QAM	25	25	20.82	20.91	20.74				
10	64QAM	50	0	20.89	20.96	20.74				
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	23.77	23.82	23.73				
5	QPSK	1	12	23.63	23.90	23.72	25.1	0		
5	QPSK	1	24	23.78	23.74	23.76				
5	QPSK	12	0	22.81	22.99	22.85				
5	QPSK	12	7	22.74	22.81	22.73	24.1	1		
5	QPSK	12	13	22.86	22.94	22.78				
5	QPSK	25	0	22.91	23.03	22.89				
5	16QAM	1	0	22.70	22.87	22.82				
5	16QAM	1	12	22.67	22.76	22.68	24.1	1		
5	16QAM	1	24	22.73	22.84	22.82				
5	16QAM	12	0	21.82	21.88	21.76				
5	16QAM	12	7	21.78	21.86	21.75	23.1	2		
5	16QAM	12	13	21.88	22.01	21.81				
5	16QAM	25	0	21.95	21.92	21.82				
5	64QAM	1	0	21.63	21.78	21.77				
5	64QAM	1	12	21.73	21.81	21.61	23.1	2		
5	64QAM	1	24	21.65	21.86	21.81				
5	64QAM	12	0	20.85	20.93	20.80				
5	64QAM	12	7	20.83	20.80	20.74	22.1	3		
5	64QAM	12	13	20.89	20.88	20.81				
5	64QAM	25	0	20.95	20.97	20.80				
Channel				26095	26340	26675	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	23.70	23.83	23.79				
3	QPSK	1	8	23.59	23.75	23.71	25.1	0		
3	QPSK	1	14	23.79	23.79	23.73				
3	QPSK	8	0	22.81	22.95	22.79				
3	QPSK	8	4	22.75	22.90	22.81	24.1	1		
3	QPSK	8	7	22.85	22.94	22.80				
3	QPSK	15	0	22.91	22.95	22.82				
3	16QAM	1	0	22.70	22.88	22.79				
3	16QAM	1	8	22.70	22.76	22.69	24.1	1		
3	16QAM	1	14	22.74	22.82	22.79				
3	16QAM	8	0	21.81	21.93	21.86				
3	16QAM	8	4	21.75	21.76	21.73	23.1	2		
3	16QAM	8	7	21.86	21.94	21.75				
3	16QAM	15	0	21.83	21.89	21.82				
3	64QAM	1	0	21.82	21.81	21.77				
3	64QAM	1	8	21.69	21.72	21.61	23.1	2		
3	64QAM	1	14	21.63	21.84	21.77				
3	64QAM	8	0	20.92	20.86	20.84				
3	64QAM	8	4	20.82	20.82	20.66	22.1	3		
3	64QAM	8	7	20.89	20.95	20.74				
3	64QAM	15	0	20.97	20.90	20.83				
Channel				26047	26340	26353	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	23.75	23.90	23.82				
1.4	QPSK	1	3	23.67	23.72	23.66	25.1	0		
1.4	QPSK	1	5	23.79	23.77	23.69				
1.4	QPSK	3	0	23.77	23.85	23.76				
1.4	QPSK	3	1	23.77	23.84	23.74	24.1	1		
1.4	QPSK	3	3	23.75	23.90	23.75				
1.4	QPSK	6	0	22.94	22.92	22.86	24.1	1		
1.4	16QAM	1	0	22.64	22.96	22.75				
1.4	16QAM	1	3	22.62	22.73	22.71	24.1	1		
1.4	16QAM	1	5	22.74	22.85	22.73				
1.4	16QAM	3	0	22.75	22.91	22.77				
1.4	16QAM	3	1	22.79	22.72	22.65	23.1	2		
1.4	16QAM	3	3	22.89	23.00	22.71				
1.4	16QAM	6	0	21.93	21.91	21.76	23.1	2		
1.4	64QAM	1	0	21.60	21.83	21.76				
1.4	64QAM	1	3	21.72	21.70	21.63	23.1	2		
1.4	64QAM	1	5	21.72	21.87	21.82				
1.4	64QAM	3	0	21.78	21.79	21.70				
1.4	64QAM	3	1	21.75	21.80	21.69	22.1	3		
1.4	64QAM	3	3	21.78	21.83	21.71				
1.4	64QAM	6	0	20.87	21.00	20.80				

Band 66 Ant 1 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	23.99	23.98	24.04				
20	QPSK	1	49	23.88	23.94	23.84	25.1	0		
20	QPSK	1	99	23.78	23.92	23.84				
20	QPSK	50	0	23.00	23.04	23.00				
20	QPSK	50	24	22.95	23.02	22.88	24.1	1		
20	QPSK	50	50	22.82	22.88	22.74				
20	QPSK	100	0	22.90	23.01	22.95				
20	16QAM	1	0	23.04	23.13	23.03				
20	16QAM	1	49	22.96	23.01	22.83	24.1	1		
20	16QAM	1	99	22.82	22.97					



Band 38 Ant 1 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.40	23.46	23.36	24.3	0		
20	QPSK	1	49	23.24	23.38	23.26				
20	QPSK	1	99	23.36	23.41	23.30				
20	QPSK	50	0	22.67	22.76	22.71	23.6	0.7		
20	QPSK	50	24	22.61	22.72	22.63				
20	QPSK	50	50	22.49	22.58	22.45				
20	QPSK	100	0	22.06	22.07	22.55	23.6	0.7		
20	16QAM	1	0	22.59	22.71	22.63				
20	16QAM	1	49	22.62	22.69	22.58				
20	16QAM	1	99	22.43	22.53	22.46	22.6	1.7		
20	16QAM	50	0	21.62	21.70	21.61				
20	16QAM	50	24	21.63	21.75	21.65				
20	16QAM	50	50	21.47	21.62	21.60	22.6	1.7		
20	16QAM	100	0	21.61	21.75	21.61				
20	64QAM	1	0	21.65	21.73	21.66				
20	64QAM	1	49	21.55	21.67	21.58	22.6	1.7		
20	64QAM	1	99	21.44	21.60	21.42				
20	64QAM	50	0	20.75	20.81	20.67				
20	64QAM	50	24	20.56	20.72	20.67	21.6	2.7		
20	64QAM	50	50	20.59	20.69	20.53				
20	64QAM	100	0	20.65	20.75	20.66				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.36	23.41	23.25	24.3	0		
15	QPSK	1	37	23.11	23.30	23.18				
15	QPSK	1	74	23.22	23.27	23.16				
15	QPSK	36	0	22.61	22.62	22.61	23.6	0.7		
15	QPSK	36	20	22.50	22.68	22.58				
15	QPSK	36	39	22.40	22.52	22.41				
15	QPSK	75	0	22.58	22.61	22.41	23.6	0.7		
15	16QAM	1	0	22.45	22.59	22.53				
15	16QAM	1	37	22.53	22.58	22.52				
15	16QAM	1	74	22.35	22.47	22.37	22.6	1.7		
15	16QAM	36	0	21.52	21.59	21.54				
15	16QAM	36	20	21.53	21.71	21.52				
15	16QAM	36	39	21.33	21.49	21.46	22.6	1.7		
15	16QAM	75	0	21.55	21.67	21.49				
15	64QAM	1	0	21.51	21.61	21.57				
15	64QAM	1	37	21.47	21.54	21.48	22.6	1.7		
15	64QAM	1	74	21.30	21.56	21.31				
15	64QAM	36	0	20.60	20.77	20.60				
15	64QAM	36	20	20.42	20.62	20.63	21.6	2.7		
15	64QAM	36	39	20.53	20.58	20.39				
15	64QAM	75	0	20.58	20.65	20.63				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.31	23.33	23.29	24.3	0		
10	QPSK	1	25	23.13	23.33	23.17				
10	QPSK	1	49	23.25	23.33	23.27				
10	QPSK	25	0	22.62	22.71	22.67	23.6	0.7		
10	QPSK	25	12	22.51	22.63	22.59				
10	QPSK	25	25	22.35	22.44	22.41				
10	QPSK	50	0	22.53	22.59	22.42	23.6	0.7		
10	16QAM	1	0	22.55	22.65	22.59				
10	16QAM	1	25	22.49	22.58	22.50				
10	16QAM	1	49	22.34	22.49	22.38	22.6	1.7		
10	16QAM	25	0	21.54	21.59	21.49				
10	16QAM	25	12	21.55	21.62	21.60				
10	16QAM	25	25	21.42	21.50	21.49	22.6	1.7		
10	16QAM	50	0	21.53	21.63	21.56				
10	64QAM	1	0	21.60	21.59	21.53				
10	64QAM	1	25	21.47	21.59	21.48	22.6	1.7		
10	64QAM	1	49	21.39	21.53	21.28				
10	64QAM	25	0	20.64	20.74	20.55				
10	64QAM	25	12	20.41	20.65	20.59	21.6	2.7		
10	64QAM	25	25	20.53	20.65	20.46				
10	64QAM	50	0	20.53	20.63	20.58				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.27	23.38	23.25	24.3	0		
5	QPSK	1	12	23.18	23.31	23.23				
5	QPSK	1	24	23.25	23.32	23.18				
5	QPSK	12	0	22.64	22.67	22.61	23.6	0.7		
5	QPSK	12	7	22.54	22.67	22.49				
5	QPSK	12	13	22.36	22.46	22.35				
5	QPSK	25	0	22.57	22.60	22.40	23.6	0.7		
5	16QAM	1	0	22.55	22.61	22.53				
5	16QAM	1	12	22.56	22.62	22.54				
5	16QAM	1	24	22.33	22.38	22.42	22.6	1.7		
5	16QAM	12	0	21.48	21.63	21.50				
5	16QAM	12	7	21.57	21.63	21.60				
5	16QAM	12	13	21.36	21.52	21.51	22.6	1.7		
5	16QAM	25	0	21.46	21.67	21.50				
5	64QAM	1	0	21.54	21.66	21.53				
5	64QAM	1	12	21.42	21.59	21.48	22.6	1.7		
5	64QAM	1	24	21.39	21.52	21.39				
5	64QAM	12	0	20.65	20.66	20.58				
5	64QAM	12	7	20.52	20.59	20.64	21.6	2.7		
5	64QAM	12	13	20.52	20.58	20.46				

Band 41 Ant 1 DSI1												
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	23.32	23.40	23.53	23.48	23.44	24.3	0		
20	QPSK	1	49	23.24	23.29	23.41	23.34	23.40				
20	QPSK	1	99	23.29	23.38	23.44	23.41	23.35				
20	QPSK	50	0	22.85	22.54	22.66	22.60	22.50	23.7	0.6		
20	QPSK	50	24	22.55	22.45	22.61	22.49	22.56				
20	QPSK	50	50	22.50	22.56	22.57	22.57	22.47				
20	QPSK	100	0	22.51	22.46	22.67	22.49	22.61	23.7	0.6		
20	16QAM	1	0	22.66	22.78	22.82	22.81	22.75				
20	16QAM	1	49	22.61	22.54	22.68	22.56	22.57				
20	16QAM	1	99	22.59	22.61	22.60	22.64	22.52	22.7	1.6		
20	16QAM	50	0	21.58	21.65	21.66	21.57	21.59				
20	16QAM	50	24	21.59	21.58	21.64	21.49	21.54				
20	16QAM	50	50	21.54	21.57	21.57	21.47	21.52	22.7	1.6		
20	16QAM	100	0	21.57	21.56	21.70	21.58	21.62				
20	64QAM	1	0	21.74	21.79	21.83	21.74	21.75				
20	64QAM	1	49	21.69	21.67	21.79	21.69	21.66	22.7	1.6		
20	64QAM	1	99	21.63	21.70	21.74	21.61	21.64				
20	64QAM	50	0	20.64	20.51	20.67	20.57	20.55				
20	64QAM	50	24	20.51	20.50	20.58	20.44	20.48	21.7	2.6		
20	64QAM	50	50	20.51	20.42	20.60	20.49	20.55				
20	64QAM	100	0	20.58	20.54	20.68	20.59	20.61				
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	23.22	23.28	23.41	23.36	23.36	24.30	0		
15	QPSK	1	37	23.15	23.22	23.30	23.28	23.25				
15	QPSK	1	74	23.24	23.35	23.40	23.29	23.22				
15	QPSK	36	0	22.43	22.50	22.56	22.53	22.41	23.7	0.6		
15	QPSK	36	20	22.42	22.36	22.55	22.42	22.49				
15	QPSK	36	39	22.39	22.49	22.53	22.53	22.37				
15	QPSK	75	0	22.46	22.35	22.63	22.37	22.46	23.7	0.6		
15	16QAM	1	0	22.54	22.74	22.78	22.72	22.69				
15	16QAM	1	37	22.54	22.49	22.56	22.42	22.50				
15	16QAM	1	74	22.51	22.48	22.49	22.61	22.38	22.7	1.6		
15	16QAM	36	0	21.54	21.59	21.60	21.53	21.50				
15	16QAM	36	20	21.46	21.45	21.52	21.39	21.41				
15	16QAM	36	39	21.40	21.49	21.45	2					



For Ant2

GSM850 Ant 2 DSII

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	123	189	251		824.2	836.4	848.8	
TX Channel	123	189	251		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	31.70	21.52	21.61	21.58	22.70
GSM 1 Tx slot	30.52	30.61	30.58	31.70	21.66	21.63	21.79	22.70
GPRS 2 Tx slots	27.51	27.44	27.67	28.70	21.51	21.44	21.67	22.70
GPRS 3 Tx slots	25.76	25.72	26.01	26.90	21.50	21.46	21.75	22.64
GPRS 4 Tx slots	24.86	25.07	24.78	25.70	21.86	22.07	21.78	22.70
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSII

Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4132	4182	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.67	22.80	22.60	23.70
3GPP Rel 99	RMC 12.2Kbps	22.81	22.88	22.71	23.70
3GPP Rel 6	HSDPA Subtest-1	19.80	19.63	19.64	20.70
3GPP Rel 6	HSDPA Subtest-2	19.80	19.86	19.51	20.70
3GPP Rel 6	HSDPA Subtest-3	21.16	21.49	21.03	22.20
3GPP Rel 6	HSDPA Subtest-4	21.29	21.15	21.17	22.20
3GPP Rel 8	DC-HSDPA Subtest-1	19.69	19.67	19.59	20.70
3GPP Rel 8	DC-HSDPA Subtest-2	19.77	20.20	20.14	20.70
3GPP Rel 8	DC-HSDPA Subtest-3	21.27	21.40	21.15	22.20
3GPP Rel 8	DC-HSDPA Subtest-4	21.23	21.18	21.37	22.20
3GPP Rel 6	HSUPA Subtest-1	19.67	19.85	19.70	20.70
3GPP Rel 6	HSUPA Subtest-2	17.80	17.90	17.50	18.70
3GPP Rel 6	HSUPA Subtest-3	18.74	18.97	18.77	19.70
3GPP Rel 6	HSUPA Subtest-4	17.69	17.93	17.63	18.70
3GPP Rel 6	HSUPA Subtest-5	19.78	19.83	19.78	20.70



Band 5 Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.24	23.26	23.25	24.2	0
10	QPSK	1	25	23.05	23.18	23.11		
10	QPSK	1	49	23.14	23.22	23.09		
10	QPSK	25	0	23.03	23.11	23.02	24.2	0
10	QPSK	25	12	22.94	23.05	22.94		
10	QPSK	25	25	22.98	23.08	22.97		
10	QPSK	50	0	23.07	23.11	23.07	24.2	0
10	16QAM	1	0	23.08	23.06	22.99		
10	16QAM	1	25	22.93	22.96	22.93		
10	16QAM	1	49	22.98	23.03	22.83	24.2	0
10	16QAM	25	0	22.99	22.18	22.06		
10	16QAM	25	12	22.10	22.20	22.08		
10	16QAM	25	25	22.11	22.19	22.14	23.2	1
10	16QAM	50	0	22.13	22.17	22.14		
10	64QAM	1	0	22.11	22.21	22.11		
10	64QAM	1	25	22.01	22.03	22.01	23.2	1
10	64QAM	1	49	21.94	22.07	22.07		
10	64QAM	25	0	21.09	21.18	21.06		
10	64QAM	25	12	21.18	21.18	21.14	22.2	2
10	64QAM	25	25	21.14	21.26	21.17		
10	64QAM	50	0	21.18	21.24	21.16		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.14	23.22	23.08	24.2	0
5	QPSK	1	12	22.91	23.07	23.04		
5	QPSK	1	24	23.04	23.18	23.00		
5	QPSK	12	0	22.95	22.98	22.98	24.2	0
5	QPSK	12	7	22.81	22.99	22.81		
5	QPSK	12	13	22.88	22.98	22.91		
5	QPSK	25	0	22.97	22.99	22.92	24.2	0
5	16QAM	1	0	23.03	22.93	22.92		
5	16QAM	1	12	22.89	22.83	22.80		
5	16QAM	1	24	22.93	22.98	22.70	23.2	1
5	16QAM	12	0	22.02	22.11	22.01		
5	16QAM	12	7	21.96	22.05	21.99		
5	16QAM	12	13	21.99	22.09	22.00	23.2	1
5	16QAM	25	0	22.02	22.02	22.02		
5	64QAM	1	0	22.01	22.11	21.99		
5	64QAM	1	12	21.95	21.89	21.92	23.2	1
5	64QAM	1	24	21.80	22.04	21.83		
5	64QAM	12	0	21.05	21.11	20.96		
5	64QAM	12	7	21.07	21.07	21.03	22.2	2
5	64QAM	12	13	21.05	21.14	21.03		
5	64QAM	25	0	21.09	21.17	21.08		
Channel				20416	20525	20635		
Frequency (MHz)				835.5	836.5	847.5		
3	QPSK	1	0	23.07	23.22	23.07	24.2	0
3	QPSK	1	8	22.97	23.04	22.97		
3	QPSK	1	14	23.10	23.14	22.97		
3	QPSK	8	0	22.95	23.03	22.90	24.2	0
3	QPSK	8	4	22.83	23.00	22.89		
3	QPSK	8	7	22.87	22.95	22.90		
3	QPSK	15	0	23.03	22.98	22.92	24.2	0
3	16QAM	1	0	22.99	23.00	22.96		
3	16QAM	1	8	22.83	22.92	22.81		
3	16QAM	1	14	22.87	22.92	22.70	23.2	1
3	16QAM	8	0	21.99	22.05	22.03		
3	16QAM	8	4	21.98	22.07	22.04		
3	16QAM	8	7	22.00	22.09	22.06	23.2	1
3	16QAM	15	0	22.05	22.14	22.08		
3	64QAM	1	0	22.08	22.10	22.03		
3	64QAM	1	8	21.89	21.95	21.90	23.2	1
3	64QAM	1	14	21.83	22.04	22.00		
3	64QAM	8	0	20.99	21.07	20.95		
3	64QAM	8	4	21.09	21.05	21.02	22.2	2
3	64QAM	8	7	21.08	21.19	21.03		
3	64QAM	15	0	21.09	21.19	21.04		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.10	23.17	23.10	24.2	0
1.4	QPSK	1	3	22.99	23.08	23.00		
1.4	QPSK	1	5	23.03	23.14	23.00		
1.4	QPSK	3	0	23.08	23.11	22.99	24.2	0
1.4	QPSK	3	1	22.97	23.06	22.91		
1.4	QPSK	3	3	22.97	23.08	23.04		
1.4	QPSK	6	0	22.96	23.00	22.98	24.2	0
1.4	16QAM	1	0	23.03	22.98	22.88		
1.4	16QAM	1	3	22.88	22.82	22.81		
1.4	16QAM	1	5	22.86	22.99	22.75	24.2	0
1.4	16QAM	3	0	22.85	23.00	22.86		
1.4	16QAM	3	1	22.86	22.97	22.84		
1.4	16QAM	3	3	22.92	23.03	22.97	23.2	1
1.4	16QAM	6	0	22.03	22.06	22.04		
1.4	64QAM	1	0	22.00	22.12	22.05		
1.4	64QAM	1	3	21.88	21.97	21.88	23.2	1
1.4	64QAM	1	5	21.89	21.95	21.98		
1.4	64QAM	3	0	22.04	22.12	21.99		
1.4	64QAM	3	1	22.05	22.07	21.99	23.2	1
1.4	64QAM	3	3	22.04	22.21	22.04		
1.4	64QAM	6	0	21.10	21.20	21.08		

Band 12 Ant 2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.31	24.45	24.38	25.2	0
10	QPSK	1	25	24.25	24.36	24.33		
10	QPSK	1	49	24.18	24.32	24.26		
10	QPSK	25	0	23.33	23.40	23.26	24.2	1
10	QPSK	25	12	23.20	23.33	23.28		
10	QPSK	25	25	23.24	23.38	23.29		
10	QPSK	50	0	23.28	23.36	23.31	24.2	1
10	16QAM	1	0	23.46	23.51	23.38		
10	16QAM	1	25	23.31	23.37	23.22		
10	16QAM	1	49	23.22	23.36	23.20	23.2	2
10	16QAM	25	0	22.31	22.42	22.38		
10	16QAM	25	12	22.15	22.29	22.23		
10	16QAM	25	25	22.28	22.37	22.28	23.2	2
10	16QAM	50	0	22.19	22.33	22.18		
10	64QAM	1	0	22.40	22.52	22.43		
10	64QAM	1	25	22.33	22.39	22.32	23.2	2
10	64QAM	1	49	22.34	22.43	22.30		
10	64QAM	25	0	21.41	21.48	21.43		
10	64QAM	25	12	21.15	21.26	21.19	22.2	3
10	64QAM	25	25	21.23	21.36	21.26		
10	64QAM	50	0	21.28	21.33	21.29		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.16	24.42	24.33	25.2	0
5	QPSK	1	12	24.19	24.33	24.20		
5	QPSK	1	24	24.11	24.19	24.19		
5	QPSK	12	0	23.23	23.34	23.15	24.2	1
5	QPSK	12	7	23.14	23.25	23.25		
5	QPSK	12	13	23.11	23.31	23.21		
5	QPSK	25	0	23.17	23.22	23.26	24.2	1
5	16QAM	1	0	23.31	23.46	23.22		
5	16QAM	1	12	23.23	23.26	23.27		
5	16QAM	1	24	23.11	23.31	23.22	23.2	2
5	16QAM	12	0	22.25	22.32	22.24		
5	16QAM	12	7	22.12	22.16	22.12		
5	16QAM	12	13	22.22	22.31	22.20	23.2	2
5	16QAM	25	0	22.13	22.19	22.04		
5	64QAM	1	0	22.37	22.44	22.40		
5	64QAM	1	12	22.29	22.25	22.26	23.2	2
5	64QAM	1	24	22.30	22.36	22.26		
5	64QAM	12	0	21.30	21.43	21.33		
5	64QAM	12	7	21.04	21.15	21.07	22.2	3
5	64QAM	12	13	21.08	21.28	21.19		
5	64QAM	25	0	21.22	21.28	21.19		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.22	24.35	24.24	25.2	0
3	QPSK	1	8	24.17	24.32	24.24		
3	QPSK	1	14	24.13	24.27	24.17		
3	QPSK	8	0	23.20	23.36	23.19	24.2	1
3	QPSK	8	4	23.14	23.27	23.15		
3	QPSK	8	7	23.14	23.26	23.17		
3	QPSK	15	0	23.18	23.27	23.21	24.2	1
3	16QAM	1	0	23.37	23.46	23.22		
3	16QAM	1	8	23.23	23.30	23.12		
3	16QAM	1	14	23.17	23.31	23.21	23.2	2
3	16QAM	8	0	22.26	22.37	22.30		
3	16QAM	8	4	22.08	22.21	22.17		
3	16QAM	8	7	22.14	22.30	22.23	23.2	2
3	16QAM							



Band 17 Ant 2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.34	24.40	24.36	25.2	0	
10	QPSK	1	25	24.24	24.30	24.18			
10	QPSK	1	49	24.11	24.26	24.18			
10	QPSK	25	0	23.37	23.42	23.32	24.2	1	
10	QPSK	25	12	23.33	23.36	23.26			
10	QPSK	25	25	23.31	23.40	23.34			
10	QPSK	50	0	23.31	23.36	23.32	24.2	1	
10	16QAM	1	0	23.35	23.41	23.35			
10	16QAM	1	25	23.23	23.29	23.18			
10	16QAM	1	49	23.16	23.25	23.14	23.2	2	
10	16QAM	25	0	22.32	22.38	22.35			
10	16QAM	25	12	22.24	22.32	22.22			
10	16QAM	25	25	22.31	22.41	22.34	23.2	2	
10	16QAM	50	0	22.38	22.42	22.36			
10	64QAM	1	0	22.40	22.46	22.43			
10	64QAM	1	25	22.16	22.30	22.21	23.2	2	
10	64QAM	1	49	22.23	22.29	22.19			
10	64QAM	25	0	21.40	21.45	21.38			
10	64QAM	25	12	21.33	21.37	21.23	22.2	3	
10	64QAM	25	25	21.31	21.38	21.33			
10	64QAM	50	0	21.26	21.39	21.29			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.27	24.37	24.26	25.2	0	
5	QPSK	1	12	24.20	24.24	24.15			
5	QPSK	1	24	24.07	24.12	24.11			
5	QPSK	12	0	23.32	23.32	23.20	24.2	1	
5	QPSK	12	7	23.18	23.27	23.13			
5	QPSK	12	13	23.24	23.26	23.23			
5	QPSK	25	0	23.23	23.22	23.26	24.2	1	
5	16QAM	1	0	23.28	23.34	23.25			
5	16QAM	1	12	23.13	23.17	23.05			
5	16QAM	1	24	23.01	23.21	23.01	23.2	2	
5	16QAM	12	0	22.22	22.27	22.23			
5	16QAM	12	7	22.10	22.25	22.13			
5	16QAM	12	13	22.27	22.36	22.27	23.2	2	
5	16QAM	25	0	22.30	22.34	22.23			
5	64QAM	1	0	22.26	22.35	22.38			
5	64QAM	1	12	22.08	22.27	22.08	23.2	2	
5	64QAM	1	24	22.16	22.22	22.12			
5	64QAM	12	0	21.37	21.37	21.24			
5	64QAM	12	7	21.22	21.33	21.17	22.2	3	
5	64QAM	12	13	21.22	21.25	21.19			
5	64QAM	25	0	21.13	21.29	21.25			

Band 26 Ant 2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.25	23.36	23.30	24.2	0	
15	QPSK	1	37	23.04	23.16	23.04			
15	QPSK	1	74	23.14	23.20	23.14			
15	QPSK	36	0	23.06	23.21	23.13	24.2	0	
15	QPSK	36	20	23.08	23.18	23.06			
15	QPSK	36	39	22.97	23.12	23.05			
15	QPSK	75	0	23.18	23.23	23.10	24.2	0	
15	16QAM	1	0	23.30	23.34	23.30			
15	16QAM	1	37	23.15	23.19	23.04			
15	16QAM	1	74	23.10	23.23	23.09	23.2	1	
15	16QAM	36	0	22.10	22.21	22.09			
15	16QAM	36	20	22.12	22.22	22.12			
15	16QAM	36	39	22.03	22.16	22.13	23.2	1	
15	16QAM	75	0	22.07	22.19	22.13			
15	64QAM	1	0	22.39	22.47	22.43			
15	64QAM	1	37	22.08	22.21	22.11	23.2	1	
15	64QAM	1	74	22.21	22.29	22.15			
15	64QAM	36	0	21.20	21.25	21.16			
15	64QAM	36	20	21.12	21.24	21.13	22.2	2	
15	64QAM	36	39	21.15	21.22	21.16			
15	64QAM	75	0	21.11	21.14	21.04			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.14	23.30	23.09	24.2	0	
10	QPSK	1	25	22.98	23.07	22.97			
10	QPSK	1	49	23.05	23.10	23.05			
10	QPSK	25	0	22.98	23.15	23.01	24.2	0	
10	QPSK	25	12	22.93	23.13	22.96			
10	QPSK	25	25	22.89	23.07	22.95			
10	QPSK	50	0	23.08	23.18	23.05	24.2	0	
10	16QAM	1	0	23.29	23.31	23.18			
10	16QAM	1	25	23.03	23.05	22.91			
10	16QAM	1	49	23.16	23.12	23.02	23.2	1	
10	16QAM	25	0	21.99	22.16	21.99			
10	16QAM	25	12	22.06	22.19	22.01			
10	16QAM	25	25	21.98	22.12	21.99	23.2	1	
10	16QAM	50	0	22.01	22.06	22.04			
10	64QAM	1	0	22.33	22.39	22.29			
10	64QAM	1	25	22.00	22.08	21.98	23.2	1	
10	64QAM	1	49	22.11	22.18	22.06			
10	64QAM	25	0	21.15	21.19	21.04			
10	64QAM	25	12	20.98	21.19	20.99	22.2	2	
10	64QAM	25	25	21.00	21.10	21.02			
10	64QAM	50	0	21.03	21.03	20.91			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.15	23.23	23.01	24.2	0	
5	QPSK	1	12	22.98	23.08	22.95			
5	QPSK	1	24	23.02	23.09	23.09			
5	QPSK	12	0	22.93	23.12	23.09	24.2	0	
5	QPSK	12	7	22.93	23.05	23.00			
5	QPSK	12	13	22.92	22.99	23.00			
5	QPSK	25	0	23.11	23.19	23.06	24.2	0	
5	16QAM	1	0	23.23	23.30	23.25			
5	16QAM	1	12	23.08	23.04	22.91			
5	16QAM	1	24	23.08	23.09	23.00	23.2	1	
5	16QAM	12	0	22.07	22.12	21.95			
5	16QAM	12	7	22.03	22.09	22.02			
5	16QAM	12	13	21.96	22.11	22.07	23.2	1	
5	16QAM	25	0	21.95	22.15	22.06			
5	64QAM	1	0	22.34	22.36	22.29			
5	64QAM	1	12	22.04	22.09	22.02	23.2	1	
5	64QAM	1	24	22.11	22.24	22.12			
5	64QAM	12	0	21.15	21.13	21.03			
5	64QAM	12	7	21.08	21.11	21.08	22.2	2	
5	64QAM	12	13	21.05	21.17	21.10			
5	64QAM	25	0	20.98	21.05	20.91			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.13	23.35	23.09	24.2	0	
3	QPSK	1	8	22.92	23.11	22.97			
3	QPSK	1	14	23.03	23.06	23.02			
3	QPSK	8	0	22.96	23.16	23.07	24.2	0	
3	QPSK	8	4	22.95	23.06	22.95			
3	QPSK	8	7	22.93	23.00	22.99			
3	QPSK	15	0	23.10	23.18	23.07	24.2	0	
3	16QAM	1	0	23.29	23.34	23.24			
3	16QAM	1	8	23.01	23.14	22.97			
3	16QAM	1	14	23.11	23.16	22.95	23.2	1	
3	16QAM	8	0	22.05	22.15	21.96			
3	16QAM	8	4	21.98	22.09	22.02			
3	16QAM	8	7	21.98	22.02	22.07	23.2	1	
3	16QAM	15	0	21.92	22.15	22.03			
3	64QAM	1	0	22.32	22.32	22.36			
3	64QAM	1	8	22.03	22.13	22.01	23.2	1	
3	64QAM	1	14	22.09	22.18	22.11			
3	64QAM	8	0	21.15	21.13	21.03			
3	64QAM	8	4	21.05	21.18	21.02	22.2	2	
3	64QAM	8	7	21.07	21.16	21.09			
3	64QAM	15	0	21.07	21.08	20.93			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.14	23.26	22.98	24.2	0	
1.4	QPSK	1	3	22.96	23.03	23.00			
1.4	QPSK	1	5	23.10	23.16	23.02			
1.4	QPSK	3	0	22.95	23.15	23.06	24.2	0	
1.4	QPSK	3	1	22.94	23.08	22.90			
1.4	QPSK	3	3	22.87	23.06	22.91			
1.4	QPSK	6	0	23.10	23.09	23.00	24.2	0	
1.4	16QAM	1	0	23.27	23.34	23.18			
1.4	16QAM	1	3	23.06	23.03	22.92			
1.4	16QAM	1	5	23.07	23.18	22.95			



For Ant5

Band 7 ENDC Ant 5 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.42	16.55	16.38	18.1	0	
20	QPSK	1	49	16.44	16.52	16.47			
20	QPSK	1	99	16.37	16.40	16.26			
20	QPSK	50	0	16.38	16.51	16.38	18.1	0	
20	QPSK	50	24	16.44	16.48	16.38			
20	QPSK	50	50	16.37	16.43	16.31			
20	QPSK	100	0	16.43	16.49	16.44	18.1	0	
20	16QAM	1	0	16.34	16.46	16.40			
20	16QAM	1	49	16.32	16.44	16.30			
20	16QAM	1	99	16.36	16.49	16.38	18.1	0	
20	16QAM	50	0	16.27	16.41	16.38			
20	16QAM	50	24	16.36	16.42	16.31			
20	16QAM	50	50	16.39	16.43	16.33	18.1	0	
20	16QAM	100	0	16.34	16.41	16.32			
20	64QAM	1	0	16.38	16.44	16.40			
20	64QAM	1	49	16.40	16.44	16.37	18.1	0	
20	64QAM	1	99	16.32	16.43	16.32			
20	64QAM	50	0	16.29	16.40	16.37			
20	64QAM	50	24	16.34	16.40	16.34	18.1	0	
20	64QAM	50	50	16.30	16.42	16.34			
20	64QAM	100	0	16.36	16.49	16.42			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.38	16.46	16.23	18.1	0	
15	QPSK	1	37	16.31	16.43	16.35			
15	QPSK	1	74	16.25	16.32	16.21			
15	QPSK	36	0	16.30	16.45	16.33	18.1	0	
15	QPSK	36	20	16.34	16.39	16.30			
15	QPSK	36	39	16.34	16.38	16.19			
15	QPSK	75	0	16.40	16.38	16.40	18.1	0	
15	16QAM	1	0	16.21	16.31	16.26			
15	16QAM	1	37	16.22	16.32	16.19			
15	16QAM	1	74	16.27	16.35	16.27	18.1	0	
15	16QAM	36	0	16.23	16.37	16.24			
15	16QAM	36	20	16.23	16.34	16.21			
15	16QAM	36	39	16.29	16.29	16.20	18.1	0	
15	16QAM	75	0	16.20	16.33	16.26			
15	64QAM	1	0	16.24	16.36	16.30			
15	64QAM	1	37	16.35	16.34	16.23	18.1	0	
15	64QAM	1	74	16.24	16.32	16.29			
15	64QAM	36	0	16.17	16.33	16.32			
15	64QAM	36	20	16.25	16.37	16.21	18.1	0	
15	64QAM	36	39	16.23	16.33	16.28			
15	64QAM	75	0	16.23	16.43	16.34			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.29	16.50	16.24	18.1	0	
10	QPSK	1	25	16.38	16.45	16.40			
10	QPSK	1	49	16.28	16.32	16.22			
10	QPSK	25	0	16.26	16.46	16.34	18.1	0	
10	QPSK	25	12	16.35	16.35	16.30			
10	QPSK	25	25	16.25	16.32	16.17			
10	QPSK	50	0	16.32	16.39	16.41	18.1	0	
10	16QAM	1	0	16.22	16.38	16.36			
10	16QAM	1	25	16.28	16.38	16.26			
10	16QAM	1	49	16.32	16.41	16.23	18.1	0	
10	16QAM	25	0	16.20	16.29	16.28			
10	16QAM	25	12	16.24	16.35	16.18			
10	16QAM	25	25	16.27	16.35	16.18	18.1	0	
10	16QAM	50	0	16.20	16.38	16.27			
10	64QAM	1	0	16.29	16.35	16.27			
10	64QAM	1	25	16.28	16.37	16.24	18.1	0	
10	64QAM	1	49	16.21	16.30	16.25			
10	64QAM	25	0	16.23	16.34	16.23			
10	64QAM	25	12	16.23	16.36	16.19	18.1	0	
10	64QAM	25	25	16.21	16.34	16.30			
10	64QAM	50	0	16.32	16.41	16.37			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.29	16.42	16.25	18.1	0	
5	QPSK	1	12	16.38	16.46	16.33			
5	QPSK	1	24	16.27	16.30	16.22			
5	QPSK	12	0	16.25	16.40	16.32	18.1	0	
5	QPSK	12	7	16.34	16.40	16.32			
5	QPSK	12	13	16.29	16.40	16.19			
5	QPSK	25	0	16.32	16.46	16.31	18.1	0	
5	16QAM	1	0	16.30	16.33	16.33			
5	16QAM	1	12	16.27	16.33	16.25			
5	16QAM	1	24	16.30	16.41	16.32	18.1	0	
5	16QAM	12	0	16.18	16.35	16.34			
5	16QAM	12	7	16.32	16.29	16.16			
5	16QAM	12	13	16.29	16.34	16.27	18.1	0	
5	16QAM	25	0	16.19	16.38	16.28			
5	64QAM	1	0	16.25	16.31	16.28			
5	64QAM	1	12	16.31	16.32	16.26	18.1	0	
5	64QAM	1	24	16.25	16.31	16.18			
5	64QAM	12	0	16.18	16.32	16.23			
5	64QAM	12	7	16.26	16.34	16.27	18.1	0	
5	64QAM	12	13	16.18	16.30	16.25			
5	64QAM	25	0	16.26	16.37	16.28			



For Ant6

GSM1900 Ant 6 DSI1

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.69	25.78	25.78	27.30	16.89	16.78	16.78	18.30
GPRS 1 Tx slot	25.79	25.68	25.89	27.30	16.79	16.68	16.89	18.30
GPRS 2 Tx slots	22.69	22.63	22.77	24.30	16.69	16.63	16.77	18.30
GPRS 3 Tx slots	21.06	20.80	21.07	22.50	16.80	16.54	16.81	18.24
GPRS 4 Tx slots	19.74	19.68	19.78	21.30	16.74	16.68	16.78	18.30
EDGE 1 Tx slot	25.56	25.34	25.38	27.00	16.56	16.34	16.38	18.00
EDGE 2 Tx slots	22.36	22.16	22.22	24.00	16.36	16.16	16.22	18.00
EDGE 3 Tx slots	20.48	20.34	20.44	22.20	16.22	16.08	16.18	17.94
EDGE 4 Tx slots	19.32	19.11	19.19	21.00	16.32	16.11	16.19	18.00

WCDMA II Ant 6 DSI1

WCDMA IV Ant 6 DSI1

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
	9662	9800	9938		1537	1638	1738	
	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	18.68	16.02	15.83	17.20	19.54	19.66	19.60	20.70
3GPP Rel 99 RMC 12.2Kbps	16.06	16.14	16.03	17.20	19.69	19.78	19.67	20.70
3GPP Rel 6 HSDPA Subtest-1	15.27	15.36	15.08	16.40	18.56	18.69	18.39	19.70
3GPP Rel 6 HSDPA Subtest-2	15.09	15.26	15.05	16.40	18.51	18.63	18.64	19.70
3GPP Rel 6 HSDPA Subtest-3	14.59	14.64	14.33	15.70	18.06	18.19	17.97	19.20
3GPP Rel 6 HSDPA Subtest-4	14.27	14.54	14.57	15.70	18.21	18.41	18.35	19.20
3GPP Rel 8 DC-HSDPA Subtest-1	15.24	15.36	15.26	16.40	18.38	18.64	18.58	19.70
3GPP Rel 8 DC-HSDPA Subtest-2	15.03	14.97	14.94	16.40	18.67	18.70	18.52	19.70
3GPP Rel 8 DC-HSDPA Subtest-3	14.35	14.60	14.25	15.70	18.10	18.16	18.27	19.20
3GPP Rel 8 DC-HSDPA Subtest-4	14.40	14.32	14.19	15.70	18.18	17.98	17.87	19.20
3GPP Rel 6 HSUPA Subtest-1	15.11	15.33	15.14	16.40	18.61	18.70	18.68	19.70
3GPP Rel 6 HSUPA Subtest-2	11.98	11.98	11.87	13.20	16.71	16.74	16.62	17.70
3GPP Rel 6 HSUPA Subtest-3	12.86	13.13	13.06	14.20	17.63	17.70	17.47	18.70
3GPP Rel 6 HSUPA Subtest-4	12.04	12.03	12.02	13.20	16.55	16.57	16.46	17.70
3GPP Rel 6 HSUPA Subtest-5	15.08	15.27	15.11	16.40	18.47	18.64	18.85	19.70



Band 2 Ant 6 DSI1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	16.11	16.17	16.23	17.4	0
20	QPSK	1	49	15.83	15.96	15.90		
20	QPSK	1	99	15.95	16.03	15.95		
20	QPSK	50	0	16.00	16.05	15.92		
20	QPSK	50	24	15.85	15.99	15.89	17.4	0
20	QPSK	50	50	15.87	16.01	15.88		
20	QPSK	100	0	15.97	16.04	15.91		
20	16QAM	1	0	15.96	16.10	15.98		
20	16QAM	1	49	15.72	15.85	15.79	17.4	0
20	16QAM	1	99	15.89	15.94	15.80		
20	16QAM	50	0	15.86	16.02	15.94		
20	16QAM	50	24	15.80	15.93	15.79	17.4	0
20	16QAM	50	50	15.85	15.96	15.85		
20	16QAM	100	0	15.86	15.90	15.85		
20	64QAM	1	0	15.93	16.06	16.01		
20	64QAM	1	49	15.80	15.87	15.80	17.4	0
20	64QAM	1	99	15.89	15.98	15.89		
20	64QAM	50	0	15.92	16.01	15.88		
20	64QAM	50	24	15.79	15.88	15.82	17.4	0
20	64QAM	50	50	15.79	15.92	15.81		
20	64QAM	100	0	15.84	15.93	15.85		
Channel								
Frequency (MHz)								
15	QPSK	1	0	15.96	16.05	15.99	17.4	0
15	QPSK	1	37	15.73	15.86	15.80		
15	QPSK	1	74	15.90	15.91	15.86		
15	QPSK	36	0	15.89	16.00	15.82		
15	QPSK	36	20	15.77	15.95	15.79	17.4	0
15	QPSK	36	39	15.73	15.89	15.75		
15	QPSK	75	0	15.83	15.89	15.83		
15	16QAM	1	0	15.91	16.05	15.94		
15	16QAM	1	37	15.64	15.71	15.75	17.4	0
15	16QAM	1	74	15.84	15.90	15.76		
15	16QAM	36	0	15.82	15.91	15.81		
15	16QAM	36	20	15.67	15.74	15.65	17.4	0
15	16QAM	36	39	15.79	15.84	15.70		
15	16QAM	75	0	15.72	15.77	15.81		
15	64QAM	1	0	15.83	16.02	15.90		
15	64QAM	1	37	15.65	15.78	15.66	17.4	0
15	64QAM	1	74	15.85	15.89	15.83		
15	64QAM	36	0	15.78	15.94	15.84		
15	64QAM	36	20	15.75	15.80	15.71	17.4	0
15	64QAM	36	39	15.69	15.77	15.74		
15	64QAM	75	0	15.73	15.79	15.76		
Channel								
Frequency (MHz)								
10	QPSK	1	0	15.97	16.04	15.91	17.4	0
10	QPSK	1	25	15.78	15.91	15.86		
10	QPSK	1	49	15.91	15.91	15.84		
10	QPSK	25	0	15.91	15.95	15.80		
10	QPSK	25	12	15.79	15.96	15.80		
10	QPSK	25	25	15.80	15.96	15.80	17.4	0
10	QPSK	50	0	15.89	15.94	15.81		
10	16QAM	1	0	15.82	16.04	15.91		
10	16QAM	1	25	15.63	15.81	15.73	17.4	0
10	16QAM	1	49	15.82	15.83	15.71		
10	16QAM	25	0	15.89	15.95	15.90		
10	16QAM	25	12	15.75	15.89	15.69	17.4	0
10	16QAM	25	25	15.82	15.85	15.76		
10	16QAM	50	0	15.80	15.82	15.80		
10	64QAM	1	0	15.85	15.98	15.86	17.4	0
10	64QAM	1	25	15.76	15.74	15.69		
10	64QAM	1	49	15.81	15.87	15.78		
10	64QAM	25	0	15.89	15.97	15.82		
10	64QAM	25	12	15.76	15.82	15.75	17.4	0
10	64QAM	25	25	15.71	15.86	15.76		
10	64QAM	50	0	15.72	15.82	15.71		
Channel								
Frequency (MHz)								
5	QPSK	1	0	16.04	16.10	15.94	17.4	0
5	QPSK	1	12	15.72	15.82	15.80		
5	QPSK	1	24	15.82	15.95	15.86		
5	QPSK	12	0	15.89	15.94	15.79		
5	QPSK	12	7	15.76	15.94	15.77	17.4	0
5	QPSK	12	13	15.74	15.97	15.83		
5	QPSK	25	0	15.88	15.94	15.77		
5	16QAM	1	0	15.93	16.00	15.92		
5	16QAM	1	12	15.64	15.76	15.71	17.4	0
5	16QAM	1	24	15.85	15.92	15.79		
5	16QAM	12	0	15.89	15.88	15.80		
5	16QAM	12	7	15.66	15.78	15.76	17.4	0
5	16QAM	12	13	15.74	15.89	15.74		
5	16QAM	25	0	15.77	15.83	15.82		
5	64QAM	1	0	15.83	15.95	15.87		
5	64QAM	1	12	15.75	15.80	15.66	17.4	0
5	64QAM	1	24	15.80	15.86	15.78		
5	64QAM	12	0	15.82	15.87	15.82		
5	64QAM	12	7	15.65	15.79	15.77	17.4	0
5	64QAM	12	13	15.68	15.77	15.76		
5	64QAM	25	0	15.78	15.90	15.79		
Channel								
Frequency (MHz)								
3	QPSK	1	0	16.04	16.04	15.96	17.4	0
3	QPSK	1	8	15.75	15.87	15.76		
3	QPSK	1	14	15.81	15.99	15.83		
3	QPSK	8	0	15.85	15.92	15.87		
3	QPSK	8	4	15.73	15.95	15.80	17.4	0
3	QPSK	8	7	15.77	15.88	15.74		
3	QPSK	15	0	15.83	16.00	15.76		
3	16QAM	1	0	15.84	15.95	15.94		
3	16QAM	1	8	15.66	15.81	15.71	17.4	0
3	16QAM	1	14	15.79	15.86	15.70		
3	16QAM	8	0	15.86	15.93	15.85		
3	16QAM	8	4	15.68	15.82	15.69	17.4	0
3	16QAM	8	7	15.71	15.82	15.75		
3	16QAM	15	0	15.80	15.75	15.71		
3	64QAM	1	0	15.84	15.92	15.91		
3	64QAM	1	8	15.74	15.72	15.70	17.4	0
3	64QAM	1	14	15.84	15.94	15.81		
3	64QAM	8	0	15.78	15.87	15.84		
3	64QAM	8	4	15.72	15.83	15.70	17.4	0
3	64QAM	8	7	15.70	15.83	15.72		
3	64QAM	15	0	15.80	15.81	15.77		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	16.06	16.05	15.96	17.4	0
1.4	QPSK	1	3	15.77	15.83	15.84		
1.4	QPSK	1	5	15.90	15.95	15.88		
1.4	QPSK	3	0	15.87	15.95	15.87		
1.4	QPSK	3	1	15.70	15.87	15.79		
1.4	QPSK	3	3	15.72	15.93	15.82		
1.4	QPSK	6	0	15.89	15.90	15.80	17.4	0
1.4	16QAM	1	0	15.83	16.05	15.86		
1.4	16QAM	1	3	15.67	15.78	15.74	17.4	0
1.4	16QAM	1	5	15.86	15.81	15.74		
1.4	16QAM	3	0	15.93	15.98	15.79		
1.4	16QAM	3	1	15.70	15.79	15.76	17.4	0
1.4	16QAM	3	3	15.81	15.89	15.73		
1.4	16QAM	6	0	15.74	15.80	15.73	17.4	0
1.4	64QAM	1	0	15.84	15.97	15.87		
1.4	64QAM	1	3	15.69	15.76	15.73		
1.4	64QAM	1	5	15.75	15.83	15.84	17.4	0
1.4	64QAM	3	0	15.79	15.94	15.75		
1.4	64QAM	3	1	15.65	15.83	15.78		
1.4	64QAM	3	3	15.73	15.88	15.68		
1.4	64QAM	6	0	15.76	15.80	15.81	17.4	0

Band 4 Ant 6 DSI1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	17.20	17.23	18.89	20.4	0
20	QPSK	1	49	18.86	18.93	18.81		
20	QPSK	1	99	18.99	19.04	18.94		
20	QPSK	50	0	19.08	19.12	18.98		
20	QPSK	50	24	18.94	19.07	19.02	20.4	0
20	QPSK	50	50	18.97	19.04	18.90		
20	QPSK	100	0	19.06	19.10	19.00		
20	16QAM	1	0	18.97	19.09	19.04		
20	16QAM	1	49	18.71	18.81	18.71	20.4	0
20	16QAM	1	99	18.81	18.91	18.77		
20	16QAM	50	0	18.89	19.03	18.97		
20	16QAM	50	24	18.88	18.93	18.87	20.4	0
20	16QAM	50	50	18.82	18.94	18.87		



Band 25 Ant 6 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26590				
Frequency (MHz)				1620	1630	1615				
20	QPSK	1	0	16.22	16.31	16.15	17.4	0		
20	QPSK	1	49	16.16	16.27	16.12				
20	QPSK	1	99	16.06	16.21	16.14				
20	QPSK	50	0	16.14	16.25	16.21				
20	QPSK	50	24	16.15	16.21	16.12	17.4	0		
20	QPSK	50	50	16.02	16.17	16.05				
20	QPSK	100	0	16.19	16.28	16.19				
20	16QAM	1	0	16.15	16.26	16.12				
20	16QAM	1	49	16.12	16.16	16.12	17.4	0		
20	16QAM	1	99	16.01	16.10	16.04				
20	16QAM	50	0	16.21	16.25	16.18				
20	16QAM	50	24	16.03	16.17	16.02	17.4	0		
20	16QAM	50	50	16.12	16.21	16.16				
20	16QAM	100	0	16.12	16.18	16.07				
20	64QAM	1	0	16.12	16.25	16.16				
20	64QAM	1	49	16.09	16.24	16.14	17.4	0		
20	64QAM	1	99	16.01	16.12	16.04				
20	64QAM	50	0	16.15	16.23	16.14				
20	64QAM	50	24	15.92	16.07	16.03	17.4	0		
20	64QAM	50	50	16.09	16.19	16.09				
20	64QAM	100	0	16.10	16.16	16.12				
Channel				26115	26340	26615				
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	16.13	16.21	16.11	17.4	0		
15	QPSK	1	37	16.03	16.14	15.99				
15	QPSK	1	74	16.02	16.17	16.00				
15	QPSK	36	0	16.01	16.15	16.07	17.4	0		
15	QPSK	36	20	16.11	16.15	15.98				
15	QPSK	36	39	15.98	16.13	15.93				
15	QPSK	75	0	16.16	16.24	16.15				
15	16QAM	1	0	16.02	16.12	16.04				
15	16QAM	1	37	16.06	16.10	15.99	17.4	0		
15	16QAM	1	74	15.95	16.03	15.99				
15	16QAM	36	0	16.12	16.17	16.09	17.4	0		
15	16QAM	36	20	15.95	16.03	15.96				
15	16QAM	36	39	15.97	16.09	16.09				
15	16QAM	75	0	15.98	16.04	15.99				
15	64QAM	1	0	16.04	16.22	16.01				
15	64QAM	1	37	16.03	16.10	16.10	17.4	0		
15	64QAM	1	74	15.86	15.97	15.95				
15	64QAM	36	0	16.12	16.13	16.03				
15	64QAM	36	20	15.85	15.96	15.93	17.4	0		
15	64QAM	36	39	16.04	16.09	16.02				
15	64QAM	75	0	16.04	16.09	16.00				
Channel				26090	26340	26640				
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	16.13	16.24	16.02	17.4	0		
10	QPSK	1	25	16.04	16.13	16.05				
10	QPSK	1	49	15.99	16.06	16.06				
10	QPSK	25	0	16.05	16.11	16.11				
10	QPSK	25	12	16.01	16.07	16.02	17.4	0		
10	QPSK	25	25	15.98	16.09	16.00				
10	QPSK	50	0	16.16	16.25	16.15				
10	16QAM	1	0	16.02	16.18	16.07				
10	16QAM	1	25	15.98	16.05	16.00	17.4	0		
10	16QAM	1	49	15.86	15.95	15.98				
10	16QAM	25	0	16.14	16.16	16.13				
10	16QAM	25	12	15.99	16.12	15.91	17.4	0		
10	16QAM	25	25	16.06	16.14	16.06				
10	16QAM	50	0	16.01	16.14	15.92				
10	64QAM	1	0	16.01	16.20	16.02				
10	64QAM	1	25	15.99	16.10	16.09	17.4	0		
10	64QAM	1	49	15.95	15.99	15.97				
10	64QAM	25	0	16.05	16.13	16.09				
10	64QAM	25	12	15.80	16.00	15.93	17.4	0		
10	64QAM	25	25	15.95	16.09	16.01				
10	64QAM	50	0	16.05	16.12	16.02				
Channel				26065	26340	26665				
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	16.18	16.28	16.01	17.4	0		
5	QPSK	1	12	16.13	16.13	16.00				
5	QPSK	1	24	15.98	16.13	16.07				
5	QPSK	12	0	16.06	16.12	16.10	17.4	0		
5	QPSK	12	7	16.10	16.10	16.06				
5	QPSK	12	13	15.88	16.06	15.92				
5	QPSK	25	0	16.15	16.21	16.04				
5	16QAM	1	0	16.12	16.21	16.02				
5	16QAM	1	12	16.06	16.10	16.06	17.4	0		
5	16QAM	1	24	15.96	15.97	15.92				
5	16QAM	12	0	16.07	16.20	16.03				
5	16QAM	12	7	15.97	16.08	15.92	17.4	0		
5	16QAM	12	13	16.07	16.08	16.03				
5	16QAM	25	0	15.99	16.14	15.97				
5	64QAM	1	0	16.00	16.19	16.05				
5	64QAM	1	12	15.96	16.19	16.10	17.4	0		
5	64QAM	1	24	15.96	16.09	16.00				
5	64QAM	12	0	16.11	16.10	16.01	17.4	0		
5	64QAM	12	7	15.79	15.83	15.96				
5	64QAM	12	13	15.98	16.10	15.97				
5	64QAM	25	0	15.96	16.09	16.08				
Channel				26055	26340	26675				
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	16.12	16.25	16.09	17.4	0		
3	QPSK	1	8	16.12	16.22	16.08				
3	QPSK	1	14	16.00	16.10	16.11				
3	QPSK	8	0	16.10	16.11	16.16				
3	QPSK	8	4	16.04	16.16	16.02	17.4	0		
3	QPSK	8	7	15.89	16.14	15.96				
3	QPSK	15	0	16.09	16.25	16.10				
3	16QAM	1	0	16.02	16.20	16.06				
3	16QAM	1	8	15.99	16.05	16.08	17.4	0		
3	16QAM	1	14	15.96	16.06	15.92				
3	16QAM	8	0	16.18	16.16	16.10				
3	16QAM	8	4	15.96	16.13	15.92	17.4	0		
3	16QAM	8	7	16.03	16.09	16.05				
3	16QAM	15	0	16.08	16.06	16.01				
3	64QAM	1	0	16.06	16.20	16.05				
3	64QAM	1	8	16.00	16.18	16.03	17.4	0		
3	64QAM	1	14	15.95	16.04	15.95				
3	64QAM	8	0	16.02	16.15	15.99				
3	64QAM	8	4	15.82	15.93	16.00	17.4	0		
3	64QAM	8	7	15.95	16.07	15.99				
3	64QAM	15	0	15.96	16.06	16.02				
Channel				26047	26340	26683				
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	16.13	16.25	16.07	17.4	0		
1.4	QPSK	1	3	16.01	16.20	15.98				
1.4	QPSK	1	5	15.96	16.11	16.00				
1.4	QPSK	3	0	16.07	16.19	16.13				
1.4	QPSK	3	1	16.12	16.17	16.07				
1.4	QPSK	3	3	15.89	16.08	16.00	17.4	0		
1.4	QPSK	6	0	16.06	16.24	16.07				
1.4	16QAM	1	0	16.03	16.15	16.05				
1.4	16QAM	1	3	16.04	16.01	16.04	17.4	0		
1.4	16QAM	1	5	15.91	16.00	15.91				
1.4	16QAM	3	0	16.10	16.20	16.04				
1.4	16QAM	3	1	15.92	16.03	15.95	17.4	0		
1.4	16QAM	3	3	16.02	16.12	16.04				
1.4	16QAM	6	0	16.06	16.12	15.93	17.4	0		
1.4	64QAM	1	0	15.99	16.14	16.02				
1.4	64QAM	1	3	16.01	16.13	16.00				
1.4	64QAM	1	5	15.91	16.08	15.96	17.4	0		
1.4	64QAM	3	0	16.02	16.16	16.08				



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	16.81	17.06	16.88	18.1	0
20	QPSK	1	49	16.82	16.97	16.84		
20	QPSK	1	99	16.76	16.89	16.78	18.1	0
20	QPSK	50	0	16.84	16.95	16.86		
20	QPSK	50	24	16.76	16.90	16.84	18.1	0
20	QPSK	50	50	16.79	16.83	16.73		
20	QPSK	100	0	16.88	16.96	16.91	18.1	0
20	16QAM	1	0	16.89	16.96	16.84		
20	16QAM	1	49	16.76	16.91	16.83	18.1	0
20	16QAM	1	99	16.67	16.81	16.66		
20	16QAM	50	0	16.73	16.84	16.74	18.1	0
20	16QAM	50	24	16.77	16.82	16.73		
20	16QAM	50	50	16.65	16.77	16.70	18.1	0
20	16QAM	100	0	16.81	16.92	16.87		
20	64QAM	1	0	16.95	17.02	16.87	18.1	0
20	64QAM	1	49	16.74	16.87	16.74		
20	64QAM	1	99	16.73	16.85	16.78	18.1	0
20	64QAM	50	0	16.74	16.82	16.79		
20	64QAM	50	24	16.65	16.77	16.64	18.1	0
20	64QAM	50	50	16.62	16.76	16.62		
20	64QAM	100	0	16.71	16.84	16.81		
Channel				37825	38000	38175		
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	16.71	16.91	16.83	18.1	0
15	QPSK	1	37	16.70	16.91	16.70		
15	QPSK	1	74	16.69	16.74	16.68	18.1	0
15	QPSK	36	0	16.71	16.80	16.82		
15	QPSK	36	20	16.69	16.86	16.74	18.1	0
15	QPSK	36	39	16.74	16.75	16.58		
15	QPSK	75	0	16.83	16.88	16.80	18.1	0
15	16QAM	1	0	16.79	16.87	16.76		
15	16QAM	1	37	16.70	16.78	16.74	18.1	0
15	16QAM	1	74	16.60	16.74	16.53		
15	16QAM	36	0	16.64	16.76	16.64	18.1	0
15	16QAM	36	20	16.61	16.68	16.70		
15	16QAM	36	39	16.54	16.66	16.67	18.1	0
15	16QAM	75	0	16.76	16.79	16.72		
15	64QAM	1	0	16.90	16.88	16.84	18.1	0
15	64QAM	1	37	16.59	16.83	16.63		
15	64QAM	1	74	16.61	16.71	16.64	18.1	0
15	64QAM	36	0	16.63	16.71	16.71		
15	64QAM	36	20	16.55	16.71	16.60	18.1	0
15	64QAM	36	39	16.58	16.72	16.56		
15	64QAM	75	0	16.63	16.72	16.77		
Channel				37800	38000	38200		
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	16.77	17.03	16.77	18.1	0
10	QPSK	1	25	16.71	16.92	16.70		
10	QPSK	1	49	16.64	16.86	16.70	18.1	0
10	QPSK	25	0	16.72	16.92	16.76		
10	QPSK	25	12	16.70	16.83	16.71	18.1	0
10	QPSK	25	25	16.65	16.79	16.63		
10	QPSK	50	0	16.74	16.85	16.82	18.1	0
10	16QAM	1	0	16.78	16.89	16.73		
10	16QAM	1	25	16.65	16.84	16.69	18.1	0
10	16QAM	1	49	16.54	16.69	16.67		
10	16QAM	25	0	16.63	16.77	16.69	18.1	0
10	16QAM	25	25	16.53	16.69	16.61		
10	16QAM	50	0	16.72	16.87	16.73	18.1	0
10	64QAM	1	0	16.87	16.95	16.74		
10	64QAM	1	25	16.70	16.74	16.60	18.1	0
10	64QAM	1	49	16.62	16.79	16.71		
10	64QAM	25	0	16.67	16.70	16.72	18.1	0
10	64QAM	25	12	16.61	16.64	16.50		
10	64QAM	25	25	16.59	16.65	16.51	18.1	0
10	64QAM	50	0	16.59	16.81	16.76		
Channel				37775	38000	38225		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	16.68	16.94	16.84	18.1	0
5	QPSK	1	12	16.79	16.86	16.69		
5	QPSK	1	24	16.72	16.77	16.72	18.1	0
5	QPSK	12	0	16.76	16.91	16.72		
5	QPSK	12	7	16.71	16.86	16.81	18.1	0
5	QPSK	12	13	16.67	16.71	16.69		
5	QPSK	25	0	16.77	16.92	16.85	18.1	0
5	16QAM	1	0	16.81	16.92	16.75		
5	16QAM	1	12	16.72	16.86	16.73	18.1	0
5	16QAM	1	24	16.58	16.66	16.59		
5	16QAM	12	0	16.58	16.72	16.61	18.1	0
5	16QAM	12	7	16.73	16.67	16.68		
5	16QAM	12	13	16.50	16.65	16.57	18.1	0
5	16QAM	25	0	16.68	16.89	16.74		
5	64QAM	1	0	16.90	16.96	16.82	18.1	0
5	64QAM	1	12	16.69	16.83	16.60		
5	64QAM	1	24	16.66	16.72	16.63	18.1	0
5	64QAM	12	0	16.61	16.75	16.67		
5	64QAM	12	7	16.51	16.66	16.59	18.1	0
5	64QAM	12	13	16.50	16.68	16.52		
5	64QAM	25	0	16.62	16.80	16.68		

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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	17.04	17.02	17.12	17.08	17.10	18.1	0
20	QPSK	1	49	16.94	16.96	17.03	16.92	16.99		
20	QPSK	1	99	16.89	16.93	16.96	16.85	16.82	18.1	0
20	QPSK	50	0	16.98	16.90	17.04	16.95	16.92		
20	QPSK	50	24	16.91	16.85	16.99	16.95	16.85	18.1	0
20	QPSK	50	50	16.77	16.74	16.87	16.81	16.80		
20	QPSK	100	0	17.05	16.99	17.10	16.97	16.96	18.1	0
20	16QAM	1	0	16.94	16.94	17.08	16.96	16.93		
20	16QAM	1	49	16.87	16.90	16.95	16.91	16.86	18.1	0
20	16QAM	1	99	16.80	16.84	16.88	16.84	16.77		
20	16QAM	50	0	16.81	16.84	16.95	16.89	16.82	18.1	0
20	16QAM	50	24	16.77	16.80	16.86	16.78	16.73		
20	16QAM	50	50	16.60	16.66	16.74	16.61	16.60	18.1	0
20	16QAM	100	0	16.91	16.93	17.04	16.90	16.90		
20	64QAM	1	0	16.84	16.84	16.97	16.83	16.91	18.1	0
20	64QAM	1	49	16.84	16.87	16.92	16.78	16.77		
20	64QAM	1	99	16.74	16.73	16.86	16.78	16.78	18.1	0
20	64QAM	50	0	16.84	16.82	16.96	16.87	16.92		
20	64QAM	50	24	16.80	16.87	16.92	16.83	16.78	18.1	0
20	64QAM	50	50	16.63	16.60	16.74	16.64	16.62		
20	64QAM	100	0	16.99	16.91	17.05	16.95	16.94		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	16.95	16.94	17.02	16.99	17.02	18.10	0
15	QPSK	1	37	16.81	16.91	16.99	16.86	16.86		
15	QPSK	1	74	16.82	16.79	16.86	16.78	16.72	18.1	0
15	QPSK	36	0	16.88	16.83	17.00	16.86	16.89		
15	QPSK	36	20	16.84	16.74	16.90	16.86	16.80	18.1	0
15	QPSK	36	39	16.69	16.65	16.78	16.73	16.66		
15	QPSK	75	0	16.90	16.92	17.03	16.89	16.89	18.1	0
15	16QAM	1	0	16.85	16.82	17.01	16.86	16.82		
15	16QAM	1	37	16.75	16.84	16.91	16.84	16.71	18.1	0
15	16QAM	1	74	16.71	16.76	16.82	16.79	16.70		
15	16QAM	36	0	16.71	16.72	16.89	16.77	16.72	18.1	0
15	16QAM	36	20	16.63	16.67	16.82	16.67	16.61		
15	16QAM	36	39	16.48	16.59	16.67	16.55	16.49	18.1	0
15	16QAM	75	0	16.83	16.88	16.95	16.85	16.80		
15	64QAM	1	0	16.70	16.76	16.90	16.71	16.78	18.1	0
15	64QAM	1	37	16.70	16.73	16.81	16.73	16.70		
15	64QAM	1	74	16.65	16.62	16.74	16.70	16.73	18.1	0
15	64QAM	36	0	16.69	16.68	16.84	16.77			



Reduced Power Level for DSI 3

For Ant0

GSM850 Ant 0 DSI3

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50
Frequency (MHz)	824.2	836.4	848.8	34.50	24.21	24.38	24.45	25.50
GSM 1 Tx slot	33.21	33.38	33.45	34.50	24.16	24.25	24.40	25.50
GPRS 1 Tx slot	33.16	33.25	33.40	34.50	24.16	24.25	24.40	25.50
GPRS 2 Tx slots	29.55	29.66	29.71	31.50	23.55	23.66	23.71	25.50
GPRS 3 Tx slots	27.79	27.84	27.92	29.70	23.53	23.58	23.66	25.44
GPRS 4 Tx slots	26.55	26.66	26.60	28.50	23.55	23.66	23.60	25.50
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI3

Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.51	24.58	24.44	25.50
3GPP Rel 99	RMC 12.2Kbps	24.59	24.64	24.57	25.50
3GPP Rel 6	HSDPA Subtest-1	21.17	21.33	21.24	22.50
3GPP Rel 6	HSDPA Subtest-2	21.23	21.33	21.30	22.50
3GPP Rel 6	HSDPA Subtest-3	22.78	22.81	22.79	24.00
3GPP Rel 6	HSDPA Subtest-4	22.66	22.87	22.75	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	21.15	21.46	21.26	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.21	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.70	22.87	22.82	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.73	22.85	22.84	24.00
3GPP Rel 6	HSUPA Subtest-1	21.25	21.33	21.20	22.50
3GPP Rel 6	HSUPA Subtest-2	19.16	19.37	19.26	20.50
3GPP Rel 6	HSUPA Subtest-3	20.20	20.40	20.33	21.50
3GPP Rel 6	HSUPA Subtest-4	19.20	19.31	19.28	20.50
3GPP Rel 6	HSUPA Subtest-5	21.23	21.33	21.36	22.50



Band 5 Ant 0 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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.56	24.57	24.53	25.5	0		
10	QPSK	1	25	24.45	24.52	24.46				
10	QPSK	1	49	24.48	24.55	24.43				
10	QPSK	25	0	23.58	23.66	23.61	24.5	1		
10	QPSK	25	12	23.52	23.63	23.51				
10	QPSK	25	25	23.47	23.59	23.47				
10	QPSK	50	0	23.57	23.66	23.63	24.5	1		
10	16QAM	1	0	23.53	23.59	23.44				
10	16QAM	1	25	23.42	23.52	23.37				
10	16QAM	1	49	23.40	23.51	23.39	23.5	2		
10	16QAM	25	0	22.62	22.69	22.55				
10	16QAM	25	12	22.54	22.61	22.53				
10	16QAM	25	25	22.52	22.59	22.44	23.5	2		
10	16QAM	50	0	22.49	22.62	22.53				
10	16QAM	50	0	22.52	22.64	22.58				
10	64QAM	1	25	22.51	22.58	22.52	23.5	2		
10	64QAM	1	49	22.41	22.50	22.41				
10	64QAM	25	0	21.63	21.70	21.62				
10	64QAM	25	12	21.51	21.60	21.52	22.5	3		
10	64QAM	25	25	21.50	21.55	21.47				
10	64QAM	50	0	21.47	21.61	21.47				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.46	24.46	24.44	25.5	0		
5	QPSK	1	12	24.32	24.44	24.32				
5	QPSK	1	24	24.39	24.49	24.34				
5	QPSK	12	0	23.53	23.56	23.49	24.5	1		
5	QPSK	12	7	23.38	23.56	23.48				
5	QPSK	12	13	23.39	23.56	23.32				
5	QPSK	25	0	23.49	23.57	23.59	24.5	1		
5	16QAM	1	0	23.49	23.49	23.40				
5	16QAM	1	12	23.38	23.42	23.26				
5	16QAM	1	24	23.35	23.43	23.34	23.5	2		
5	16QAM	12	0	22.51	22.63	22.51				
5	16QAM	12	7	22.44	22.52	22.42				
5	16QAM	12	13	22.45	22.48	22.36	23.5	2		
5	16QAM	25	0	22.34	22.58	22.48				
5	16QAM	25	0	22.40	22.55	22.50				
5	64QAM	1	12	22.37	22.51	22.43	23.5	2		
5	64QAM	1	24	22.26	22.38	22.38				
5	64QAM	12	0	21.60	21.59	21.47				
5	64QAM	12	7	21.43	21.56	21.48	22.5	3		
5	64QAM	12	13	21.46	21.43	21.44				
5	64QAM	25	0	21.35	21.50	21.37				
Channel				20416	20525	20635				
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	24.47	24.48	24.50	25.5	0		
3	QPSK	1	8	24.35	24.43	24.37				
3	QPSK	1	14	24.36	24.40	24.35				
3	QPSK	8	0	23.48	23.59	23.47	24.5	1		
3	QPSK	8	4	23.47	23.49	23.46				
3	QPSK	8	7	23.35	23.47	23.37				
3	QPSK	15	0	23.45	23.51	23.52	24.5	1		
3	16QAM	1	0	23.39	23.53	23.38				
3	16QAM	1	8	23.38	23.40	23.31				
3	16QAM	1	14	23.29	23.37	23.35	23.5	2		
3	16QAM	8	0	22.52	22.66	22.51				
3	16QAM	8	4	22.40	22.58	22.44				
3	16QAM	8	7	22.44	22.53	22.39	23.5	2		
3	16QAM	15	0	22.34	22.51	22.42				
3	64QAM	1	0	22.40	22.52	22.54				
3	64QAM	1	8	22.38	22.53	22.38	23.5	2		
3	64QAM	1	14	22.32	22.53	22.38				
3	64QAM	8	0	22.36	22.36	22.30				
3	64QAM	8	0	21.49	21.56	21.50	22.5	3		
3	64QAM	8	4	21.37	21.51	21.46				
3	64QAM	8	7	21.44	21.51	21.33				
3	64QAM	15	0	21.40	21.51	21.40	22.5	3		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.46	24.52	24.47	25.5	0		
1.4	QPSK	1	3	24.31	24.49	24.35				
1.4	QPSK	1	5	24.34	24.43	24.34				
1.4	QPSK	3	0	24.47	24.48	24.53	24.5	1		
1.4	QPSK	3	1	24.43	24.49	24.39				
1.4	QPSK	3	3	24.29	24.51	24.35				
1.4	QPSK	6	0	23.49	23.57	23.51	24.5	1		
1.4	16QAM	1	0	23.47	23.48	23.37				
1.4	16QAM	1	3	23.36	23.46	23.25				
1.4	16QAM	1	5	23.27	23.39	23.26	24.5	1		
1.4	16QAM	3	0	23.49	23.59	23.45				
1.4	16QAM	3	1	23.47	23.51	23.44				
1.4	16QAM	3	3	23.35	23.47	23.33	23.5	2		
1.4	16QAM	6	0	22.42	22.51	22.40				
1.4	64QAM	1	0	22.38	22.60	22.48				
1.4	64QAM	1	3	22.43	22.48	22.42	23.5	2		
1.4	64QAM	1	5	22.33	22.36	22.28				
1.4	64QAM	3	0	22.48	22.51	22.46				
1.4	64QAM	3	1	22.36	22.46	22.34	22.5	3		
1.4	64QAM	3	3	22.34	22.47	22.35				
1.4	64QAM	6	0	21.40	21.57	21.33				

Band 12 Ant 0 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				23680	23995	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.54	24.76	24.68	25.5	0
10	QPSK	1	25	24.51	24.65	24.54		
10	QPSK	1	49	24.47	24.51	24.40		
10	QPSK	25	0	23.65	23.69	23.63	24.5	1
10	QPSK	25	12	23.59	23.64	23.55		
10	QPSK	25	25	23.62	23.66	23.58		
10	QPSK	50	0	23.53	23.57	23.45	24.5	1
10	16QAM	1	0	23.72	23.82	23.76		
10	16QAM	1	25	23.66	23.72	23.65		
10	16QAM	1	49	23.49	23.54	23.46	23.5	2
10	16QAM	25	0	22.85	22.73	22.60		
10	16QAM	25	12	22.59	22.65	22.61		
10	16QAM	25	25	22.66	22.69	22.62	23.5	2
10	16QAM	50	0	22.51	22.58	22.46		
10	64QAM	1	0	22.74	22.78	22.69		
10	64QAM	1	25	22.60	22.72	22.57	23.5	2
10	64QAM	1	49	22.42	22.54	22.45		
10	64QAM	25	0	21.67	21.77	21.64		
10	64QAM	25	12	21.57	21.65	21.60	22.5	3
10	64QAM	25	25	21.69	21.73	21.64		
10	64QAM	50	0	21.50	21.63	21.55		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.44	24.65	24.60	25.5	0
5	QPSK	1	12	24.42	24.51	24.46		
5	QPSK	1	24	24.44	24.41	24.29		
5	QPSK	12	0	23.51	23.57	23.56	24.5	1
5	QPSK	12	7	23.53	23.58	23.41		
5	QPSK	12	13	23.51	23.59	23.40		
5	QPSK	25	0	23.48	23.47	23.33	24.5	1
5	16QAM	1	0	23.62	23.77	23.63		
5	16QAM	1	12	23.54	23.59	23.59		
5	16QAM	1	24	23.35	23.47	23.40	23.5	2
5	16QAM	12	0	22.56	22.63	22.52		
5	16QAM	12	7	22.49	22.54	22.55		
5	16QAM	12	13	22.61	22.56	22.55	23.5	2
5	16QAM	25	0	22.40	22.49	22.31		
5	64QAM	1	0	22.63	22.70	22.63		
5	64QAM	1	12	22.54	22.63	22.43	23.5	2
5	64QAM	1	24	22.39	22.43	22.39		
5	64QAM	12	0	21.56	21.67	21.50		
5	64QAM	12	7	21.50	21.53	21.54	22.5	3
5	64QAM	12	13	21.63	21.62	21.55		
5	64QAM	25	0	21.44	21.53	21.42		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.44	24.66	24.57	25.5	0
3	QPSK	1	8	24.44	24.61	24.48		
3	QPSK	1	14	24.38	24.36	24.25		
3	QPSK	8	0	23.56	23.57	23.51	24.5	1
3	QPSK	8	4	23.49	23.51	23.51		
3	QPSK	8	7	23.58	23.62	23.46		
3	QPSK	15	0	23.50	23.45	23.34	24.5	1
3	16QAM	1	0	23.64	23.72	23.66		
3	16QAM	1	8	23.57	23.67	23.57		
3	16QAM	1	14	23.44	23.46	23.32	23.5	2
3	16QAM	8	0	22.57	22.70	22.55		
3	16QAM	8	4	22.55	22.54	22.48		
3	16QAM							



Band 17 Ant 0 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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.61	24.73	24.66	25.5	0	
10	QPSK	1	25	24.43	24.58	24.49			
10	QPSK	1	49	24.39	24.50	24.47			
10	QPSK	25	0	23.61	23.66	23.59			
10	QPSK	25	12	23.58	23.64	23.51	24.5	1	
10	QPSK	25	25	23.50	23.61	23.50			
10	QPSK	50	0	23.48	23.60	23.45			
10	16QAM	1	0	23.66	23.74	23.69			
10	16QAM	1	25	23.42	23.53	23.41	24.5	1	
10	16QAM	1	49	23.40	23.46	23.39			
10	16QAM	25	0	22.63	22.70	22.61			
10	16QAM	25	12	22.53	22.62	22.51	23.5	2	
10	16QAM	25	25	22.48	22.59	22.53			
10	16QAM	50	0	22.54	22.59	22.48			
10	64QAM	1	0	22.61	22.75	22.65			
10	64QAM	1	25	22.51	22.59	22.55	23.5	2	
10	64QAM	1	49	22.38	22.44	22.41			
10	64QAM	25	0	21.64	21.69	21.61			
10	64QAM	25	12	21.57	21.65	21.57	22.5	3	
10	64QAM	25	25	21.54	21.65	21.57			
10	64QAM	50	0	21.51	21.63	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.48	24.69	24.52	25.5	0	
5	QPSK	1	12	24.33	24.50	24.41			
5	QPSK	1	24	24.25	24.44	24.44			
5	QPSK	12	0	23.46	23.60	23.56	24.5	1	
5	QPSK	12	7	23.49	23.53	23.38			
5	QPSK	12	13	23.36	23.52	23.42			
5	QPSK	25	0	23.40	23.51	23.33			
5	16QAM	1	0	23.59	23.67	23.61	24.5	1	
5	16QAM	1	12	23.34	23.49	23.36			
5	16QAM	1	24	23.26	23.34	23.26			
5	16QAM	12	0	22.49	22.58	22.57	23.5	2	
5	16QAM	12	7	22.41	22.56	22.36			
5	16QAM	12	13	22.41	22.53	22.41			
5	16QAM	25	0	22.42	22.56	22.34			
5	64QAM	1	0	22.52	22.65	22.56	23.5	2	
5	64QAM	1	12	22.46	22.46	22.51			
5	64QAM	1	24	22.23	22.41	22.28			
5	64QAM	12	0	21.60	21.60	21.54	22.5	3	
5	64QAM	12	7	21.44	21.50	21.50			
5	64QAM	12	13	21.46	21.59	21.51			
5	64QAM	25	0	21.45	21.55	21.38			

Band 26 Ant 0 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.48	24.61	24.42	25.5	0	
15	QPSK	1	37	24.39	24.49	24.38			
15	QPSK	1	74	24.29	24.39	24.35			
15	QPSK	36	0	23.55	23.67	23.61	24.5	1	
15	QPSK	36	20	23.51	23.62	23.54			
15	QPSK	36	39	23.50	23.55	23.43			
15	QPSK	75	0	23.51	23.60	23.55			
15	16QAM	1	0	23.54	23.67	23.56	24.5	1	
15	16QAM	1	37	23.40	23.50	23.56			
15	16QAM	1	74	23.37	23.41	23.38			
15	16QAM	36	0	22.63	22.68	22.60	23.5	2	
15	16QAM	36	20	22.54	22.66	22.52			
15	16QAM	36	39	22.41	22.52	22.44			
15	16QAM	75	0	22.52	22.58	22.49			
15	64QAM	1	0	22.60	22.61	22.61	23.5	2	
15	64QAM	1	37	22.35	22.46	22.32			
15	64QAM	1	74	22.32	22.39	22.30			
15	64QAM	36	0	21.64	21.69	21.56	22.5	3	
15	64QAM	36	20	21.65	21.70	21.61			
15	64QAM	36	39	21.48	21.57	21.51			
15	64QAM	75	0	21.56	21.63	21.55			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.50	24.29	25.5	0	
10	QPSK	1	25	24.25	24.35	24.34			
10	QPSK	1	49	24.19	24.34	24.21			
10	QPSK	25	0	23.41	23.63	23.56	24.5	1	
10	QPSK	25	12	23.42	23.59	23.44			
10	QPSK	25	25	23.39	23.51	23.37			
10	QPSK	50	0	23.43	23.51	23.40			
10	16QAM	1	0	23.43	23.59	23.46	24.5	1	
10	16QAM	1	25	23.35	23.45	23.27			
10	16QAM	1	49	23.28	23.36	23.33			
10	16QAM	25	0	22.56	22.58	22.55	23.5	2	
10	16QAM	25	12	22.49	22.61	22.41			
10	16QAM	25	25	22.30	22.42	22.33			
10	16QAM	50	0	22.41	22.50	22.40			
10	64QAM	1	0	22.56	22.50	22.47	23.5	2	
10	64QAM	1	25	22.27	22.32	22.26			
10	64QAM	1	49	22.28	22.32	22.25			
10	64QAM	25	0	21.59	21.57	21.49	22.5	3	
10	64QAM	25	12	21.50	21.60	21.50			
10	64QAM	25	25	21.42	21.43	21.39			
10	64QAM	50	0	21.45	21.53	21.41			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.30	24.49	24.30	25.5	0	
5	QPSK	1	12	24.36	24.35	24.35			
5	QPSK	1	24	24.24	24.31	24.21			
5	QPSK	12	0	23.43	23.63	23.54	24.5	1	
5	QPSK	12	7	23.44	23.48	23.47			
5	QPSK	12	13	23.42	23.48	23.32			
5	QPSK	25	0	23.46	23.55	23.52			
5	16QAM	1	0	23.43	23.56	23.47	24.5	1	
5	16QAM	1	12	23.31	23.41	23.31			
5	16QAM	1	24	23.27	23.33	23.34			
5	16QAM	12	0	22.54	22.65	22.57	23.5	2	
5	16QAM	12	7	22.45	22.57	22.47			
5	16QAM	12	13	22.28	22.48	22.29			
5	16QAM	25	0	22.40	22.49	22.42			
5	64QAM	1	0	22.47	22.49	22.50	23.5	2	
5	64QAM	1	12	22.25	22.33	22.18			
5	64QAM	1	24	22.19	22.30	22.18			
5	64QAM	12	0	21.50	21.61	21.46	22.5	3	
5	64QAM	12	7	21.50	21.62	21.54			
5	64QAM	12	13	21.34	21.53	21.47			
5	64QAM	25	0	21.47	21.52	21.49			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.35	24.47	24.37	25.5	0	
3	QPSK	1	8	24.33	24.37	24.25			
3	QPSK	1	14	24.16	24.27	24.29			
3	QPSK	8	0	23.44	23.62	23.47	24.5	1	
3	QPSK	8	4	23.37	23.51	23.48			
3	QPSK	8	7	23.37	23.42	23.38			
3	QPSK	15	0	23.41	23.50	23.47			
3	16QAM	1	0	23.42	23.53	23.48	24.5	1	
3	16QAM	1	8	23.25	23.37	23.26			
3	16QAM	1	14	23.30	23.32	23.33			
3	16QAM	8	0	22.58	22.60	22.52	23.5	2	
3	16QAM	8	4	22.48	22.57	22.44			
3	16QAM	8	7	22.35	22.38	22.38			
3	64QAM	15	0	22.42	22.51	22.38	23.5	2	
3	64QAM	1	0	22.54	22.49	22.56			
3	64QAM	1	8	22.26	22.39	22.25			
3	64QAM	1	14	22.20	22.35	22.23			
3	64QAM	8	0	21.56	21.57	21.51	22.5	3	
3	64QAM	8	4	21.52	21.58	21.55			
3	64QAM	8	7	21.37	21.44	21.45			
3	64QAM	15	0	21.46	21.59	21			



For Ant1

GSM1900 Ant 1 DSIS

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.85	29.74	29.80	31.00	20.85	20.74	20.80	22.00
GPRS 1 Tx slot	29.78	29.66	29.73	31.00	20.78	20.66	20.73	22.00
GPRS 2 Tx slots	26.18	26.12	26.14	28.00	20.18	20.12	20.14	22.00
GPRS 3 Tx slots	24.37	24.30	24.26	26.20	20.11	20.04	20.00	21.94
GPRS 4 Tx slots	23.19	23.21	23.17	25.00	20.19	20.21	20.17	22.00
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSIS

WCDMA IV Ant 1 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1822.4	1880	1937.6		1712.4	1722.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	23.21	23.29	23.25	24.10	23.15	23.17	23.08	24.00
3GPP Rel 99	RMC 12.2Kbps	23.32	23.40	23.33	24.10	23.26	23.31	23.25	24.00
3GPP Rel 6	HSDPA Subtest-1	22.50	22.68	22.72	23.30	22.58	22.50	22.39	23.00
3GPP Rel 6	HSDPA Subtest-2	22.49	22.60	22.56	23.30	22.36	22.52	22.34	23.00
3GPP Rel 6	HSDPA Subtest-3	21.91	22.02	21.90	22.60	22.09	22.08	21.91	22.50
3GPP Rel 6	HSDPA Subtest-4	21.94	21.99	21.97	22.60	21.93	22.15	21.80	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.46	22.74	22.67	23.30	22.35	22.52	22.38	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.59	22.77	22.71	23.30	22.47	22.38	22.52	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.95	22.12	22.03	22.60	21.74	21.93	21.88	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.12	22.10	21.95	22.60	21.81	22.00	21.56	22.50
3GPP Rel 6	HSUPA Subtest-1	22.71	22.73	22.53	23.30	22.60	22.54	22.49	23.00
3GPP Rel 6	HSUPA Subtest-2	19.47	19.53	19.36	20.10	20.40	20.52	20.39	21.00
3GPP Rel 6	HSUPA Subtest-3	20.49	20.49	20.39	21.10	21.41	21.56	21.34	22.00
3GPP Rel 6	HSUPA Subtest-4	19.46	19.52	19.31	20.10	20.55	20.67	20.54	21.00
3GPP Rel 6	HSUPA Subtest-5	22.63	22.81	22.77	23.30	22.21	22.82	22.42	23.00



Band 2 Ant 1 DSI3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.82	22.96	22.92	24.1	0				
20	QPSK	1	49	22.68	22.83	22.71						
20	QPSK	1	99	22.60	22.89	22.84						
20	QPSK	50	0	22.78	22.81	22.71						
20	QPSK	50	24	22.62	22.75	22.69	24.1	0				
20	QPSK	50	50	22.62	22.72	22.60						
20	QPSK	100	0	22.60	22.73	22.67						
20	16QAM	1	0	22.59	22.74	22.68						
20	16QAM	1	49	22.62	22.76	22.64	24.1	0				
20	16QAM	1	99	22.75	22.80	22.85						
20	16QAM	50	0	21.65	21.76	21.72						
20	16QAM	50	24	21.70	21.75	21.61						
20	16QAM	50	50	21.77	21.84	21.73	23.1	1				
20	16QAM	100	0	21.62	21.74	21.68						
20	64QAM	1	0	21.78	21.82	21.70						
20	64QAM	1	49	21.63	21.78	21.71						
20	64QAM	1	99	21.78	21.84	21.81	23.1	1				
20	64QAM	50	0	20.70	20.77	20.73						
20	64QAM	50	24	20.64	20.74	20.66						
20	64QAM	50	50	20.64	20.76	20.67						
20	64QAM	100	0	20.60	20.73	20.64	22.1	2				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.70	22.81	22.72			24.1	0		
15	QPSK	1	37	22.58	22.77	22.57						
15	QPSK	1	74	22.45	22.66	22.49						
15	QPSK	36	0	22.68	22.76	22.58						
15	QPSK	36	20	22.58	22.70	22.59	24.1	0				
15	QPSK	36	39	22.67	22.82	22.62						
15	QPSK	75	0	22.48	22.68	22.53						
15	16QAM	1	0	22.45	22.67	22.53						
15	16QAM	1	37	22.58	22.63	22.56	24.1	0				
15	16QAM	1	74	22.65	22.67	22.51						
15	16QAM	36	0	21.54	21.68	21.63						
15	16QAM	36	20	21.66	21.63	21.49						
15	16QAM	36	39	21.72	21.75	21.64	23.1	1				
15	16QAM	75	0	21.68	21.68	21.53						
15	64QAM	1	0	21.68	21.68	21.53						
15	64QAM	1	37	21.57	21.74	21.67						
15	64QAM	1	74	21.69	21.77	21.66	23.1	1				
15	64QAM	36	0	20.60	20.64	20.67						
15	64QAM	36	20	20.54	20.69	20.58						
15	64QAM	36	39	20.54	20.62	20.50						
15	64QAM	75	0	20.59	20.68	20.58	22.1	2				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.70	22.76	22.75			24.1	0		
10	QPSK	1	25	22.57	22.78	22.61						
10	QPSK	1	49	22.52	22.80	22.50						
10	QPSK	25	0	22.67	22.69	22.61						
10	QPSK	25	12	22.52	22.63	22.56	24.1	0				
10	QPSK	25	26	22.58	22.65	22.59						
10	QPSK	50	0	22.46	22.63	22.58						
10	16QAM	1	0	22.54	22.64	22.47						
10	16QAM	1	25	22.47	22.62	22.58	24.1	0				
10	16QAM	1	49	22.68	22.68	22.51						
10	16QAM	25	0	21.58	21.65	21.62						
10	16QAM	25	12	21.65	21.65	21.49						
10	16QAM	25	26	21.56	21.70	21.61	23.1	1				
10	16QAM	50	0	21.52	21.60	21.58						
10	64QAM	1	0	21.74	21.76	21.61						
10	64QAM	1	25	21.57	21.74	21.62						
10	64QAM	1	49	21.72	21.78	21.75	23.1	1				
10	64QAM	25	0	20.58	20.72	20.59						
10	64QAM	25	12	20.53	20.64	20.59						
10	64QAM	25	26	20.54	20.62	20.57						
10	64QAM	50	0	20.53	20.68	20.50	22.1	2				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.76	22.78	22.75			24.1	0		
5	QPSK	1	12	22.56	22.70	22.61						
5	QPSK	1	24	22.51	22.57	22.59						
5	QPSK	12	0	22.75	22.69	22.58						
5	QPSK	12	7	22.55	22.65	22.58	24.1	0				
5	QPSK	12	13	22.48	22.58	22.62						
5	QPSK	25	0	22.48	22.63	22.61						
5	16QAM	1	0	22.48	22.70	22.49						
5	16QAM	1	12	22.48	22.64	22.60	24.1	0				
5	16QAM	1	24	22.61	22.75	22.56						
5	16QAM	12	0	21.56	21.70	21.63						
5	16QAM	12	7	21.59	21.80	21.47						
5	16QAM	12	13	21.58	21.72	21.64	23.1	1				
5	16QAM	25	0	21.53	21.70	21.57						
5	64QAM	1	0	21.71	21.71	21.59						
5	64QAM	1	12	21.50	21.84	21.62						
5	64QAM	1	24	21.70	21.75	21.72	23.1	1				
5	64QAM	12	0	20.59	20.65	20.59						
5	64QAM	12	7	20.54	20.62	20.61						
5	64QAM	12	13	20.58	20.72	20.59						
5	64QAM	25	0	20.64	20.63	20.53	22.1	2				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.74	22.72	22.84			24.1	0		
3	QPSK	1	8	22.61	22.76	22.66						
3	QPSK	1	14	22.56	22.80	22.51						
3	QPSK	8	0	22.67	22.67	22.59						
3	QPSK	8	4	22.50	22.61	22.62	24.1	0				
3	QPSK	8	7	22.54	22.65	22.56						
3	QPSK	15	0	22.54	22.59	22.64						
3	16QAM	1	0	22.49	22.66	22.56						
3	16QAM	1	8	22.53	22.72	22.56	24.1	0				
3	16QAM	1	14	22.70	22.75	22.59						
3	16QAM	8	0	21.51	21.63	21.68						
3	16QAM	8	4	21.55	21.70	21.49						
3	16QAM	8	7	21.62	21.79	21.68	23.1	1				
3	16QAM	15	0	21.51	21.70	21.62						
3	64QAM	1	0	21.68	21.69	21.84						
3	64QAM	1	8	21.58	21.86	21.58						
3	64QAM	1	14	21.64	21.77	21.74	23.1	1				
3	64QAM	8	0	20.56	20.68	20.70						
3	64QAM	8	4	20.56	20.59	20.61						
3	64QAM	8	7	20.57	20.65	20.55						
3	64QAM	15	0	20.58	20.64	20.54	22.1	2				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.76	22.76	22.72			24.1	0		
1.4	QPSK	1	3	22.59	22.69	22.62						
1.4	QPSK	1	5	22.53	22.59	22.53						
1.4	QPSK	3	0	22.66	22.69	22.62						
1.4	QPSK	3	3	22.53	22.62	22.62	24.1	0				
1.4	QPSK	3	3	22.58	22.61	22.62						
1.4	QPSK	6	0	22.56	22.57	22.57						
1.4	16QAM	1	0	22.44	22.61	22.53						
1.4	16QAM	1	3	22.58	22.69	22.59	24.1	0				
1.4	16QAM	1	5	22.64	22.75	22.64						
1.4	16QAM	3	0	22.61	22.66	22.67						
1.4	16QAM	3	1	22.65	22.62	22.47						
1.4	16QAM	3	3	22.64	22.71	22.68	23.1	1				
1.4	16QAM	6	0	21.49	21.67	21.62						
1.4	64QAM	1	0	21.68	21.69	21.86						
1.4	64QAM	1	3	21.53	21.85	21.80						
1.4	64QAM	1	5	21.65	21.79	21.74	23.1	1				
1.4	64QAM	3	0	21.58	21.63	21.67						
1.4	64QAM	3	1	21.56	21.65	21.64						
1.4	64QAM	3	3	21.55	21.85	21.82						
1.4	64QAM	6	0	20.61	20.61	20.59	22.1	2				

Band 4 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.78	22.81	22.72	24	0		
20	QPSK	1	49	22.60	22.72	22.63				
20	QPSK	1	99	22.58	22.67	22.59				
20	QPSK	50	0	22.73	22.79	22.72				
20	QPSK	50	24	22.67	22.73	22.68	24	0		
20	QPSK	50	50	22.48	22.61	22.53				
20	QPSK	100	0	22.62	22.77	22.66				
20	16QAM	1	0	22.89	22.72	22.84				
20	16QAM	1	49	22.56	22.65	22.59	24	0		
20	16QAM	1	99	22.49	22.54	22.49				
20	16QAM	50	0	21.81	21.86	21.81				
20	16QAM	50	24	21.74	21.84	21.79				
20	16QAM	50	50	21.58	21.69	21.57	23.1	0.9		
20	16QAM	100	0	21.74	21.81	21.75				
20	64QAM	1	0	21.79	21.93	21.90				
20	64QAM	1	49	21.75	21.89	21.83				
20	64QAM	1	99	21.80	21.72	21.58	23.1	0.9		
20	64QAM	50	0	20.82	20.95	20.83				
20	64QAM	5								



Band 25 Ant 1 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											
Frequency (MHz)											
20	QPSK	1	0	22.75	22.92	22.81	24.1	0			
20	QPSK	1	49	22.78	22.83	22.74					
20	QPSK	1	99	22.81	22.75	22.77					
20	QPSK	50	0	22.77	22.90	22.80					
20	QPSK	50	24	22.80	22.80	22.70	24.1	0			
20	QPSK	50	50	22.75	22.82	22.79					
20	QPSK	100	0	22.76	22.89	22.81					
20	16QAM	1	0	22.68	22.78	22.69					
20	16QAM	1	49	22.62	22.68	22.58	24.1	0			
20	16QAM	1	99	22.60	22.84	22.71					
20	16QAM	50	0	21.78	21.86	21.71					
20	16QAM	50	24	21.78	21.73	21.66					
20	16QAM	50	50	21.85	21.85	21.71	23.1	1			
20	16QAM	100	0	21.84	21.85	21.76					
20	64QAM	1	0	21.81	21.81	21.75					
20	64QAM	1	49	21.67	21.85	21.58					
20	64QAM	1	99	21.70	21.88	21.70	23.1	1			
20	64QAM	50	0	20.81	20.86	20.80					
20	64QAM	50	24	20.69	20.83	20.67					
20	64QAM	50	50	20.81	20.91	20.88					
20	64QAM	100	0	20.74	20.95	20.71	22.1	2			
20	64QAM	100	0	20.83	20.95	20.71					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.60	22.74	22.67	24.1	0			
15	QPSK	1	37	22.61	22.73	22.55					
15	QPSK	1	74	22.69	22.65	22.58					
15	QPSK	36	0	22.61	22.80	22.65					
15	QPSK	36	20	22.67	22.68	22.57	24.1	0			
15	QPSK	36	39	22.60	22.65	22.60					
15	QPSK	75	0	22.58	22.75	22.67					
15	16QAM	1	0	22.55	22.67	22.61					
15	16QAM	1	37	22.47	22.53	22.38	24.1	0			
15	16QAM	1	74	22.44	22.66	22.56					
15	16QAM	36	0	21.61	21.70	21.63					
15	16QAM	36	20	21.67	21.61	21.47					
15	16QAM	36	39	21.66	21.76	21.61	23.1	1			
15	16QAM	75	0	21.65	21.76	21.66					
15	64QAM	1	0	21.50	21.67	21.65					
15	64QAM	1	37	21.48	21.50	21.48					
15	64QAM	1	74	21.50	21.78	21.53	23.1	1			
15	64QAM	36	0	20.66	20.71	20.64					
15	64QAM	36	20	20.49	20.66	20.51					
15	64QAM	36	39	20.72	20.72	20.49					
15	64QAM	75	0	20.74	20.81	20.60	22.1	2			
15	64QAM	75	0	20.74	20.81	20.60					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.63	22.81	22.67	24.1	0			
10	QPSK	1	25	22.60	22.73	22.61					
10	QPSK	1	49	22.68	22.62	22.68					
10	QPSK	25	0	22.68	22.71	22.68					
10	QPSK	25	12	22.71	22.71	22.54	24.1	0			
10	QPSK	25	25	22.59	22.66	22.63					
10	QPSK	50	0	22.67	22.70	22.63					
10	16QAM	1	0	22.54	22.60	22.59					
10	16QAM	1	25	22.45	22.53	22.47	24.1	0			
10	16QAM	1	49	22.51	22.66	22.56					
10	16QAM	25	0	21.64	21.68	21.52					
10	16QAM	25	12	21.65	21.59	21.50					
10	16QAM	25	25	21.71	21.77	21.56	23.1	1			
10	16QAM	50	0	21.75	21.71	21.59					
10	64QAM	1	0	21.46	21.64	21.59					
10	64QAM	1	25	21.56	21.51	21.44					
10	64QAM	1	49	21.59	21.78	21.51	23.1	1			
10	64QAM	25	0	20.68	20.78	20.66					
10	64QAM	25	12	20.61	20.67	20.55					
10	64QAM	25	25	20.73	20.79	20.49					
10	64QAM	50	0	20.70	20.83	20.55	22.1	2			
10	64QAM	50	0	20.70	20.83	20.55					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.55	22.73	22.72	24.1	0			
5	QPSK	1	12	22.67	22.73	22.57					
5	QPSK	1	24	22.69	22.56	22.65					
5	QPSK	12	0	22.65	22.73	22.63					
5	QPSK	12	7	22.66	22.69	22.53	24.1	0			
5	QPSK	12	7	22.60	22.67	22.59					
5	QPSK	25	0	22.61	22.76	22.72					
5	16QAM	1	0	22.50	22.62	22.59					
5	16QAM	1	12	22.48	22.58	22.46	24.1	0			
5	16QAM	1	24	22.43	22.69	22.60					
5	16QAM	12	0	21.65	21.73	21.58					
5	16QAM	12	7	21.68	21.56	21.52					
5	16QAM	12	13	21.74	21.79	21.56	23.1	1			
5	16QAM	25	0	21.78	21.74	21.67					
5	64QAM	1	0	21.49	21.65	21.58					
5	64QAM	1	12	21.53	21.55	21.43					
5	64QAM	1	24	21.59	21.75	21.54	23.1	1			
5	64QAM	12	0	20.73	20.66	20.66					
5	64QAM	12	7	20.56	20.69	20.57					
5	64QAM	12	13	20.64	20.82	20.57					
5	64QAM	25	0	20.74	20.86	20.53	22.1	2			
5	64QAM	25	0	20.74	20.86	20.53					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.65	22.79	22.71	24.1	0			
3	QPSK	1	8	22.68	22.72	22.58					
3	QPSK	1	14	22.67	22.62	22.63					
3	QPSK	8	0	22.59	22.71	22.60					
3	QPSK	8	4	22.64	22.61	22.62	24.1	0			
3	QPSK	8	7	22.64	22.73	22.69					
3	QPSK	15	0	22.66	22.74	22.68					
3	16QAM	1	0	22.59	22.59	22.57					
3	16QAM	1	8	22.47	22.52	22.40	24.1	0			
3	16QAM	1	14	22.49	22.71	22.54					
3	16QAM	8	0	21.63	21.67	21.55					
3	16QAM	8	4	21.62	21.55	21.56					
3	16QAM	8	7	21.70	21.84	21.60	23.1	1			
3	16QAM	15	0	21.85	21.70	21.57					
3	64QAM	1	0	21.42	21.71	21.60					
3	64QAM	1	8	21.49	21.47	21.41					
3	64QAM	1	14	21.59	21.70	21.51	23.1	1			
3	64QAM	8	0	20.63	20.76	20.60					
3	64QAM	8	4	20.55	20.74	20.52					
3	64QAM	8	7	20.82	20.77	20.58					
3	64QAM	15	0	20.70	20.80	20.62	22.1	2			
3	64QAM	15	0	20.70	20.80	20.62					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.63	22.72	22.71	24.1	0			
1.4	QPSK	1	3	22.69	22.66	22.63					
1.4	QPSK	1	5	22.67	22.59	22.69					
1.4	QPSK	3	0	22.62	22.71	22.63					
1.4	QPSK	3	3	22.66	22.62	22.54	24.1	0			
1.4	QPSK	3	3	22.65	22.72	22.63					
1.4	QPSK	6	0	22.61	22.79	22.67					
1.4	16QAM	1	0	22.59	22.65	22.57					
1.4	16QAM	1	3	22.50	22.57	22.45	24.1	0			
1.4	16QAM	1	5	22.48	22.71	22.61					
1.4	16QAM	3	0	22.64	22.70	22.53					
1.4	16QAM	3	1	22.64	22.57	22.54					
1.4	16QAM	3	3	22.77	22.75	22.61	23.1	1			
1.4	16QAM	6	0	21.81	21.71	21.68					
1.4	64QAM	1	0	21.49	21.64	21.65					
1.4	64QAM	1	3	21.56	21.54	21.50					
1.4	64QAM	1	5	21.59	21.74	21.57	23.1	1			
1.4	64QAM	3	0	21.64	21.71	21.61					
1.4	64QAM	3	1	21.53	21.69	21.56					
1.4	64QAM	3	3	21.71	21.72	21.51					
1.4	64QAM	6	0	20.76	20.84	20.52	22.1	2			
1.4	64QAM	6	0	20.76	20.84	20.52					

Band 66 Ant 1 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									
Frequency (MHz)									
20	QPSK	1	0	22.80	22.85	22.67	24	0	
20	QPSK	1	49	22.84	22.79	22.76			
20	QPSK	1	99	22.65	22.80	22.74			
20	QPSK	50	0	22.67	22.78	22.67			
20	QPSK	50	24	22.57	22.63	22.50	24	0	
20	QPSK	50	50	22.57	22.67	22.64			
20	QPSK	100	0	22.58	22.93	22.59			
20	16QAM	1	0	22.60	22.73	22.61			
20	16QAM	1	49	22.47	22.59	22.47	24	0	
20	16QAM	1	99	22.58	22.66	22.57			
20	16QAM	50	0	21.92	22.00	22.02			
20	16QAM	50	24	21.94	21.98	21.92			
20	16QAM	50	50	21.75	21.85	21.75	23.1	0.9	
20	16QAM	100	0	21.85	21.91	21.85			
20	64QAM	1	0						



Band 38 Ant 1 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				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.47	22.61	22.52	23.5	0	
20	QPSK	1	49	22.52	22.55	22.45			
20	QPSK	1	99	22.41	22.49	22.38			
20	QPSK	50	0	22.49	22.58	22.48	23.5	0	
20	QPSK	50	24	22.35	22.40	22.28			
20	QPSK	50	50	22.38	22.52	22.38			
20	QPSK	100	0	22.50	22.53	22.48	23.5	0	
20	16QAM	1	0	22.48	22.54	22.40			
20	16QAM	1	49	22.40	22.44	22.30			
20	16QAM	1	99	22.32	22.37	22.26	22.6	0.9	
20	16QAM	50	0	21.59	21.74	21.66			
20	16QAM	50	24	21.63	21.73	21.66			
20	16QAM	50	50	21.51	21.62	21.57	22.6	0.9	
20	16QAM	100	0	21.62	21.75	21.57			
20	64QAM	1	0	21.62	21.78	21.72			
20	64QAM	1	49	21.55	21.65	21.53	21.6	1.9	
20	64QAM	1	99	21.51	21.58	21.49			
20	64QAM	50	0	20.77	20.81	20.65			
20	64QAM	50	24	20.57	20.76	20.65	21.6	1.9	
20	64QAM	50	50	20.56	20.68	20.54			
20	64QAM	100	0	20.65	20.75	20.69			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.35	22.56	22.47	23.5	0	
15	QPSK	1	37	22.39	22.48	22.31			
15	QPSK	1	74	22.36	22.35	22.31			
15	QPSK	36	0	22.45	22.55	22.34	23.5	0	
15	QPSK	36	20	22.26	22.32	22.18			
15	QPSK	36	39	22.24	22.45	22.24			
15	QPSK	75	0	22.42	22.45	22.34	23.5	0	
15	16QAM	1	0	22.40	22.48	22.31			
15	16QAM	1	37	22.35	22.39	22.25			
15	16QAM	1	74	22.19	22.27	22.15	22.6	0.9	
15	16QAM	36	0	21.47	21.67	21.56			
15	16QAM	36	20	21.50	21.65	21.63			
15	16QAM	36	39	21.41	21.57	21.46	22.6	0.9	
15	16QAM	75	0	21.55	21.69	21.47			
15	64QAM	1	0	21.57	21.73	21.66			
15	64QAM	1	37	21.50	21.52	21.47	21.6	1.9	
15	64QAM	1	74	21.44	21.49	21.35			
15	64QAM	36	0	20.67	20.74	20.62			
15	64QAM	36	20	20.44	20.67	20.62	21.6	1.9	
15	64QAM	36	39	20.41	20.56	20.49			
15	64QAM	75	0	20.55	20.65	20.62			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.34	22.56	22.44	23.5	0	
10	QPSK	1	25	22.43	22.44	22.40			
10	QPSK	1	49	22.31	22.36	22.34			
10	QPSK	25	0	22.35	22.50	22.42	23.5	0	
10	QPSK	25	12	22.21	22.25	22.21			
10	QPSK	25	25	22.30	22.41	22.23			
10	QPSK	50	0	22.46	22.40	22.33	23.5	0	
10	16QAM	1	0	22.39	22.48	22.30			
10	16QAM	1	25	22.34	22.30	22.25			
10	16QAM	1	49	22.28	22.34	22.19	22.6	0.9	
10	16QAM	25	0	21.45	21.59	21.58			
10	16QAM	25	12	21.52	21.67	21.53			
10	16QAM	25	25	21.37	21.58	21.43	22.6	0.9	
10	16QAM	50	0	21.47	21.61	21.53			
10	64QAM	1	0	21.58	21.65	21.65			
10	64QAM	1	25	21.46	21.60	21.44	22.6	0.9	
10	64QAM	1	49	21.39	21.45	21.40			
10	64QAM	25	0	20.67	20.67	20.57			
10	64QAM	25	12	20.52	20.73	20.54	21.6	1.9	
10	64QAM	25	25	20.42	20.57	20.45			
10	64QAM	50	0	20.50	20.67	20.59			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.41	22.50	22.48	23.5	0	
5	QPSK	1	12	22.46	22.43	22.33			
5	QPSK	1	24	22.30	22.38	22.25			
5	QPSK	12	0	22.45	22.51	22.37	23.5	0	
5	QPSK	12	7	22.22	22.25	22.17			
5	QPSK	12	13	22.29	22.48	22.25			
5	QPSK	25	0	22.42	22.48	22.44	23.5	0	
5	16QAM	1	0	22.39	22.42	22.27			
5	16QAM	1	12	22.34	22.30	22.16			
5	16QAM	1	24	22.28	22.31	22.13	22.6	0.9	
5	16QAM	12	0	21.48	21.68	21.60			
5	16QAM	12	7	21.55	21.60	21.63			
5	16QAM	12	13	21.41	21.52	21.54	22.6	0.9	
5	16QAM	25	0	21.59	21.71	21.43			
5	64QAM	1	0	21.55	21.71	21.58			
5	64QAM	1	12	21.52	21.55	21.39	22.6	0.9	
5	64QAM	1	24	21.40	21.49	21.42			
5	64QAM	12	0	20.63	20.73	20.56			
5	64QAM	12	7	20.49	20.67	20.51	21.6	1.9	
5	64QAM	12	13	20.43	20.62	20.46			

Band 41 Ant 1 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.32	22.41	22.66	22.45	22.50	23.5	0
20	QPSK	1	49	22.30	22.32	22.62	22.33	22.40		
20	QPSK	1	99	22.29	22.36	22.56	22.37	22.31		
20	QPSK	50	0	22.34	22.34	22.62	22.33	22.38	23.5	0
20	QPSK	50	24	22.27	22.27	22.61	22.32	22.45		
20	QPSK	50	50	22.24	22.27	22.61	22.34	22.42		
20	QPSK	100	0	22.29	22.37	22.58	22.30	22.45	23.5	0
20	16QAM	1	0	22.22	22.30	22.54	22.31	22.45		
20	16QAM	1	49	22.27	22.29	22.59	22.30	22.44		
20	16QAM	1	99	22.27	22.34	22.52	22.38	22.46	22.7	0.8
20	16QAM	50	0	21.59	21.61	21.68	21.57	21.60		
20	16QAM	50	24	21.57	21.52	21.59	21.50	21.52		
20	16QAM	50	50	21.52	21.54	21.56	21.46	21.56	22.7	0.8
20	16QAM	100	0	21.56	21.52	21.66	21.60	21.61		
20	64QAM	1	0	21.73	21.76	21.84	21.74	21.81		
20	64QAM	1	49	21.63	21.66	21.74	21.71	21.65	22.7	0.8
20	64QAM	1	99	21.62	21.70	21.70	21.61	21.65		
20	64QAM	50	0	20.85	20.54	20.72	20.53	20.59		
20	64QAM	50	24	20.53	20.48	20.59	20.43	20.47	21.7	1.8
20	64QAM	50	50	20.51	20.44	20.59	20.49	20.55		
20	64QAM	100	0	20.61	20.56	20.66	20.56	20.60		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.23	22.35	22.53	22.39	22.42	23.50	0
15	QPSK	1	37	22.19	22.21	22.49	22.19	22.36		
15	QPSK	1	74	22.22	22.33	22.51	22.24	22.18		
15	QPSK	36	0	22.31	22.19	22.52	22.26	22.30	23.5	0
15	QPSK	36	20	22.21	22.15	22.47	22.28	22.38		
15	QPSK	36	39	22.20	22.23	22.49	22.19	22.35		
15	QPSK	75	0	22.21	22.23	22.48	22.22	22.40	23.5	0
15	16QAM	1	0	22.09	22.17	22.50	22.17	22.40		
15	16QAM	1	37	22.12	22.16	22.48	22.16	22.30		
15	16QAM	1	74	22.21	22.20	22.48	22.30	22.40	22.7	0.8
15	16QAM	36	0	21.50	21.47	21.63	21.42	21.50		
15	16QAM	36	20	21.51	21.49	21.47	21.36	21.47		
15	16QAM	36	39	21.47	21.45	21.52	21.33	21.47	22.7	0.8
15	16QAM	75	0	21.42	21.39	21.51	21.56	21.57		
15	64QAM	1	0	21.68	21.69	21.70	21.61	21.69		
15	64QAM	1	37	21.48	21.60	21.69	21.56	21.50	22.7	0.8
15	64QAM	1	74	21.55	21.62	21.57	21.46	21.55		
15	64QAM	36	0	20.60	20.41	20.69	20.45	20.47		
15	64QAM	36	20	20.43	20.43	20.46	20.28	20.35	21.7	1.8
15	64QAM	36	39	20.47	20.30	20.52	20.36	20.42		
15	64QAM	75	0							



For Ant2

GSM850 Ant 2 DSIS

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	30.72	30.81	30.88	31.70	21.72	21.81	21.88	22.70
GSM 1 Tx slot	30.66	30.53	30.79	31.70	21.66	21.53	21.79	22.70
GPRS 1 Tx slots	27.51	27.44	27.67	28.70	21.51	21.44	21.67	22.70
GPRS 2 Tx slots	25.76	25.72	26.01	26.90	21.50	21.46	21.75	22.64
GPRS 3 Tx slots	24.56	25.07	24.78	25.70	21.86	22.07	21.78	22.70
GPRS 4 Tx slots	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 1 Tx slot	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 2 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 3 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70
EDGE 4 Tx slots								

WCDMA V Ant 2 DSIS

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Rx Channel	826.4	836.4	846.6	
Frequency (MHz)	24.14	24.21	24.13	25.20
3GPP Rel 99 AMR 12.2Kops	24.23	24.34	24.27	25.20
3GPP Rel 99 RMC 12.2Kops	21.22	21.27	21.36	22.20
3GPP Rel 6 HSDPA Subtest-1	21.25	21.36	21.37	22.20
3GPP Rel 6 HSDPA Subtest-2	22.78	22.95	23.02	23.70
3GPP Rel 6 HSDPA Subtest-3	22.79	22.85	23.11	23.70
3GPP Rel 6 HSDPA Subtest-4	21.33	21.36	21.50	22.20
3GPP Rel 8 DC-HSDPA Subtest-1	21.35	21.43	21.57	22.20
3GPP Rel 8 DC-HSDPA Subtest-2	22.86	22.86	22.89	23.70
3GPP Rel 8 DC-HSDPA Subtest-3	22.70	22.77	23.10	23.70
3GPP Rel 8 DC-HSDPA Subtest-4	21.27	21.47	21.46	22.20
3GPP Rel 6 HSUPA Subtest-1	19.36	19.50	19.54	20.20
3GPP Rel 6 HSUPA Subtest-2	20.18	20.49	20.48	21.20
3GPP Rel 6 HSUPA Subtest-3	19.27	19.45	19.46	20.20
3GPP Rel 6 HSUPA Subtest-4	21.19	21.40	21.62	22.20
3GPP Rel 6 HSUPA Subtest-5				



Band 5 Ant 2 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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.26	24.31	24.21	25.2	0		
10	QPSK	1	25	24.21	24.29	24.17				
10	QPSK	1	49	24.10	24.21	24.11				
10	QPSK	25	0	23.26	23.36	23.28	24.2	1		
10	QPSK	25	12	23.21	23.31	23.17				
10	QPSK	25	25	23.21	23.33	23.22				
10	QPSK	50	0	23.31	23.37	23.33	24.2	1		
10	16QAM	1	0	23.30	23.34	23.27				
10	16QAM	1	25	23.19	23.25	23.15				
10	16QAM	1	49	23.21	23.28	23.12	23.2	2		
10	16QAM	25	0	22.29	22.36	22.22				
10	16QAM	25	12	22.28	22.33	22.26				
10	16QAM	25	25	22.23	22.36	22.33	23.2	2		
10	16QAM	50	0	22.25	22.35	22.28				
10	16QAM	50	0	22.29	22.37	22.26				
10	64QAM	1	0	22.24	22.22	22.18	23.2	2		
10	64QAM	1	25	22.13	22.27	22.23				
10	64QAM	25	0	21.25	21.35	21.22				
10	64QAM	25	12	21.31	21.37	21.30	22.2	3		
10	64QAM	25	25	21.29	21.43	21.33				
10	64QAM	50	0	21.32	21.38	21.35				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.19	24.21	24.07	25.2	0		
5	QPSK	1	12	24.15	24.26	24.13				
5	QPSK	1	24	24.02	24.12	24.05				
5	QPSK	12	0	23.19	23.30	23.24	24.2	1		
5	QPSK	12	7	23.11	23.18	23.04				
5	QPSK	12	13	23.08	23.21	23.08				
5	QPSK	25	0	23.26	23.23	23.27	24.2	1		
5	16QAM	1	0	23.19	23.30	23.23				
5	16QAM	1	12	23.09	23.21	23.11				
5	16QAM	1	24	23.13	23.19	23.08	23.2	2		
5	16QAM	12	0	22.17	22.31	22.17				
5	16QAM	12	7	22.16	22.22	22.11				
5	16QAM	12	13	22.16	22.24	22.21	23.2	2		
5	16QAM	25	0	22.13	22.23	22.21				
5	16QAM	25	0	22.22	22.26	22.22				
5	64QAM	1	0	22.08	22.19	22.14	23.2	2		
5	64QAM	1	24	22.07	22.22	22.14				
5	64QAM	12	0	21.12	21.27	21.15				
5	64QAM	12	7	21.19	21.25	21.24	22.2	3		
5	64QAM	12	13	21.17	21.38	21.20				
5	64QAM	25	0	21.22	21.29	21.30				
Channel				20418	20525	20635				
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	24.19	24.19	24.07	25.2	0		
3	QPSK	1	8	24.08	24.21	24.04				
3	QPSK	1	14	24.06	24.13	24.07				
3	QPSK	8	0	23.21	23.25	23.14	24.2	1		
3	QPSK	8	4	23.11	23.27	23.02				
3	QPSK	8	7	23.08	23.26	23.18				
3	QPSK	15	0	23.19	23.22	23.20	24.2	1		
3	16QAM	1	0	23.17	23.21	23.21				
3	16QAM	1	8	23.04	23.12	23.10				
3	16QAM	1	14	23.13	23.13	23.07	23.2	2		
3	16QAM	8	0	22.16	22.26	22.08				
3	16QAM	8	4	22.17	22.18	22.18				
3	16QAM	8	7	22.10	22.25	22.29	23.2	2		
3	16QAM	15	0	22.11	22.30	22.22				
3	64QAM	1	0	22.26	22.30	22.15				
3	64QAM	1	8	22.09	22.18	22.08	22.2	3		
3	64QAM	1	14	22.04	22.24	22.15				
3	64QAM	8	0	21.20	21.27	21.14				
3	64QAM	8	4	21.21	21.29	21.23	22.2	3		
3	64QAM	8	7	21.15	21.30	21.21				
3	64QAM	15	0	21.26	21.28	21.30				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.21	24.24	24.12	25.2	0		
1.4	QPSK	1	3	24.15	24.14	24.02				
1.4	QPSK	1	5	23.99	24.14	24.02				
1.4	QPSK	3	0	24.16	24.24	24.08	24.2	1		
1.4	QPSK	3	1	24.13	24.20	24.07				
1.4	QPSK	3	3	24.02	24.18	24.08				
1.4	QPSK	6	0	23.21	23.22	23.21	23.2	2		
1.4	16QAM	1	0	23.15	23.25	23.21				
1.4	16QAM	1	3	23.08	23.15	23.04				
1.4	16QAM	1	5	23.13	23.22	22.99	24.2	1		
1.4	16QAM	3	0	23.13	23.26	23.12				
1.4	16QAM	3	1	23.13	23.20	23.11				
1.4	16QAM	3	3	23.06	23.16	23.24	23.2	2		
1.4	16QAM	6	0	22.18	22.30	22.14				
1.4	64QAM	1	0	22.24	22.33	22.23				
1.4	64QAM	1	3	22.10	22.19	22.03	23.2	2		
1.4	64QAM	1	5	22.10	22.21	22.17				
1.4	64QAM	3	0	22.10	22.23	22.06				
1.4	64QAM	3	1	22.15	22.25	22.20	22.2	3		
1.4	64QAM	3	3	22.21	22.29	22.13				
1.4	64QAM	6	0	21.17	21.27	21.25				

Band 12 Ant 2 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				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.31	24.45	24.38	25.2	0		
10	QPSK	1	25	24.25	24.36	24.33				
10	QPSK	1	49	24.18	24.32	24.26				
10	QPSK	25	0	23.33	23.40	23.26	24.2	1		
10	QPSK	25	12	23.20	23.33	23.28				
10	QPSK	25	25	23.24	23.38	23.29				
10	QPSK	50	0	23.28	23.36	23.31	24.2	1		
10	16QAM	1	0	23.46	23.51	23.38				
10	16QAM	1	25	23.31	23.37	23.22				
10	16QAM	1	49	23.22	23.36	23.20	23.2	2		
10	16QAM	25	0	22.31	22.42	22.38				
10	16QAM	25	12	22.15	22.29	22.23				
10	16QAM	25	25	22.28	22.37	22.28	23.2	2		
10	16QAM	50	0	22.19	22.33	22.18				
10	16QAM	50	0	22.40	22.52	22.43				
10	64QAM	1	0	22.40	22.39	22.32	23.2	2		
10	64QAM	1	25	22.33	22.39	22.32				
10	64QAM	1	49	22.34	22.43	22.30				
10	64QAM	25	0	21.41	21.48	21.43	22.2	3		
10	64QAM	25	12	21.15	21.26	21.19				
10	64QAM	25	25	21.23	21.36	21.26				
10	64QAM	50	0	21.28	21.33	21.29				
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.16	24.42	24.33	25.2	0		
5	QPSK	1	12	24.19	24.33	24.20				
5	QPSK	1	24	24.11	24.19	24.19				
5	QPSK	12	0	23.23	23.34	23.15	24.2	1		
5	QPSK	12	7	23.14	23.25	23.25				
5	QPSK	12	13	23.11	23.31	23.21				
5	QPSK	25	0	23.17	23.22	23.26	24.2	1		
5	16QAM	1	0	23.31	23.46	23.22				
5	16QAM	1	12	23.23	23.26	23.27				
5	16QAM	1	24	23.11	23.31	23.22	23.2	2		
5	16QAM	12	0	22.25	22.32	22.24				
5	16QAM	12	7	22.12	22.16	22.12				
5	16QAM	12	13	22.22	22.31	22.20	23.2	2		
5	16QAM	25	0	22.13	22.19	22.04				
5	64QAM	1	0	22.37	22.42	22.40				
5	64QAM	1	12	22.29	22.25	22.26	23.2	2		
5	64QAM	1	24	22.30	22.36	22.26				
5	64QAM	12	0	21.30	21.43	21.33				
5	64QAM	12	7	21.04	21.15	21.07	22.2	3		
5	64QAM	12	13	21.08	21.28	21.19				
5	64QAM	25	0	21.22	21.28	21.19				
Channel</										



Band 17 Ant 2 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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.34	24.40	24.36	25.2	0	
10	QPSK	1	25	24.24	24.30	24.18			
10	QPSK	1	49	24.11	24.26	24.18			
10	QPSK	25	0	23.37	23.42	23.32	24.2	1	
10	QPSK	25	12	23.33	23.36	23.26			
10	QPSK	25	25	23.31	23.40	23.34			
10	QPSK	50	0	23.31	23.36	23.32	24.2	1	
10	16QAM	1	0	23.35	23.41	23.35			
10	16QAM	1	25	23.23	23.28	23.18			
10	16QAM	1	49	23.16	23.25	23.14	23.2	2	
10	16QAM	25	0	22.32	22.38	22.35			
10	16QAM	25	12	22.24	22.32	22.22			
10	16QAM	25	25	22.31	22.41	22.34	23.2	2	
10	16QAM	50	0	22.38	22.42	22.36			
10	64QAM	1	0	22.40	22.46	22.43			
10	64QAM	1	25	22.16	22.30	22.21	23.2	2	
10	64QAM	1	49	22.23	22.29	22.19			
10	64QAM	25	0	21.40	21.45	21.38			
10	64QAM	25	12	21.33	21.37	21.23	22.2	3	
10	64QAM	25	25	21.31	21.38	21.33			
10	64QAM	50	0	21.26	21.39	21.29			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.27	24.37	24.26	25.2	0	
5	QPSK	1	12	24.20	24.24	24.15			
5	QPSK	1	24	24.07	24.12	24.11			
5	QPSK	12	0	23.32	23.32	23.20	24.2	1	
5	QPSK	12	7	23.18	23.27	23.13			
5	QPSK	12	13	23.24	23.26	23.23			
5	QPSK	25	0	23.23	23.22	23.26	24.2	1	
5	16QAM	1	0	23.28	23.34	23.25			
5	16QAM	1	12	23.13	23.17	23.05			
5	16QAM	1	24	23.01	23.21	23.01	23.2	2	
5	16QAM	12	0	22.22	22.27	22.23			
5	16QAM	12	7	22.10	22.25	22.13			
5	16QAM	12	13	22.27	22.36	22.27	23.2	2	
5	16QAM	25	0	22.30	22.34	22.23			
5	64QAM	1	0	22.26	22.35	22.38			
5	64QAM	1	12	22.08	22.27	22.08	23.2	2	
5	64QAM	1	24	22.16	22.22	22.12			
5	64QAM	12	0	21.37	21.37	21.24			
5	64QAM	12	7	21.22	21.33	21.17	22.2	3	
5	64QAM	12	13	21.22	21.25	21.19			
5	64QAM	25	0	21.13	21.29	21.25			

Band 26 Ant 2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.26	24.38	24.12	25.2	0	
15	QPSK	1	37	24.04	24.16	24.04			
15	QPSK	1	74	24.14	24.20	24.14			
15	QPSK	36	0	23.06	23.21	23.13	24.2	1	
15	QPSK	36	20	23.08	23.12	23.06			
15	QPSK	36	39	22.97	23.12	23.05			
15	QPSK	75	0	23.18	23.23	23.10	24.2	1	
15	16QAM	1	0	23.38	23.44	23.30			
15	16QAM	1	37	23.15	23.18	23.04			
15	16QAM	1	74	23.10	23.23	23.09	23.2	2	
15	16QAM	36	0	22.10	22.21	22.09			
15	16QAM	36	20	22.12	22.22	22.12			
15	16QAM	36	39	22.03	22.16	22.13	23.2	2	
15	16QAM	75	0	22.07	22.19	22.13			
15	64QAM	1	0	22.39	22.47	22.43			
15	64QAM	1	37	22.08	22.21	22.11	23.2	2	
15	64QAM	1	74	22.21	22.29	22.15			
15	64QAM	36	0	21.20	21.25	21.16			
15	64QAM	36	20	21.12	21.24	21.13	22.2	3	
15	64QAM	36	39	21.15	21.22	21.16			
15	64QAM	75	0	21.11	21.14	21.04			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.14	24.30	24.09	25.2	0	
10	QPSK	1	25	23.98	24.07	23.97			
10	QPSK	1	49	24.05	24.10	24.05			
10	QPSK	25	0	22.98	23.15	23.01	24.2	1	
10	QPSK	25	12	22.93	23.13	22.96			
10	QPSK	25	25	22.89	23.07	22.95			
10	QPSK	50	0	23.08	23.18	23.05	24.2	1	
10	16QAM	1	0	23.29	23.31	23.18			
10	16QAM	1	25	23.03	23.05	22.91			
10	16QAM	1	49	23.16	23.12	23.02	23.2	2	
10	16QAM	25	0	21.99	22.16	21.99			
10	16QAM	25	12	22.06	22.19	22.01			
10	16QAM	25	25	21.98	22.12	21.99	23.2	2	
10	16QAM	50	0	22.01	22.06	22.04			
10	64QAM	1	0	22.33	22.39	22.29			
10	64QAM	1	25	22.00	22.08	21.98	23.2	2	
10	64QAM	1	49	22.11	22.18	22.06			
10	64QAM	25	0	21.15	21.19	21.04			
10	64QAM	25	12	20.98	21.19	20.99	22.2	3	
10	64QAM	25	25	21.00	21.10	21.02			
10	64QAM	50	0	21.03	21.03	20.91			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.15	24.23	24.01	25.2	0	
5	QPSK	1	12	23.98	24.08	23.95			
5	QPSK	1	24	24.02	24.09	24.09			
5	QPSK	12	0	22.93	23.12	23.09	24.2	1	
5	QPSK	12	7	22.93	23.05	23.00			
5	QPSK	12	13	22.92	22.99	23.00			
5	QPSK	25	0	23.11	23.19	23.06	24.2	1	
5	16QAM	1	0	23.23	23.38	23.25			
5	16QAM	1	12	23.08	23.04	22.91			
5	16QAM	1	24	23.08	23.09	23.00	23.2	2	
5	16QAM	12	0	22.07	22.12	21.95			
5	16QAM	12	7	22.03	22.09	22.02			
5	16QAM	12	13	21.96	22.11	22.07	23.2	2	
5	16QAM	25	0	21.95	22.15	22.06			
5	64QAM	1	0	22.34	22.36	22.29			
5	64QAM	1	12	22.04	22.09	22.02	23.2	2	
5	64QAM	1	24	22.11	22.24	22.12			
5	64QAM	12	0	21.15	21.13	21.03			
5	64QAM	12	7	21.08	21.11	21.08	22.2	3	
5	64QAM	12	13	21.05	21.17	21.10			
5	64QAM	25	0	20.98	21.05	20.91			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.13	24.35	24.09	25.2	0	
3	QPSK	1	8	23.92	24.11	23.97			
3	QPSK	1	14	24.03	24.06	24.02			
3	QPSK	8	0	22.96	23.16	23.07	24.2	1	
3	QPSK	8	4	22.95	23.06	22.95			
3	QPSK	8	7	22.93	23.00	22.99			
3	QPSK	15	0	23.10	23.18	23.07	24.2	1	
3	16QAM	1	0	23.29	23.34	23.24			
3	16QAM	1	8	23.01	23.14	22.97			
3	16QAM	1	14	23.11	23.16	22.95	23.2	2	
3	16QAM	8	0	22.05	22.15	21.96			
3	16QAM	8	4	21.98	22.09	22.02			
3	16QAM	8	7	21.98	22.02	22.07	23.2	2	
3	64QAM	15	0	21.92	22.15	22.03			
3	64QAM	1	0	22.32	22.32	22.36			
3	64QAM	1	8	22.03	22.13	22.01	23.2	2	
3	64QAM	1	14	22.09	22.18	22.11			
3	64QAM	8	0	21.15	21.13	21.03			
3	64QAM	8	4	21.05	21.18	21.02	22.2	3	
3	64QAM	8	7	21.07	21.16	21.09			
3	64QAM	15	0	21.07	21.08	20.93			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.14	24.26	23.98	25.2	0	
1.4	QPSK	1	3	23.96	24.03	24.00			
1.4	QPSK	1	5	24.10	24.16	24.02			
1.4	QPSK	3	0	23.95	24.15	24.06	24.2	1	
1.4	QPSK	3	1	23.94	24.08	23.90			
1.4	QPSK	3	3	23.87	24.06	23.91			
1.4	QPSK	6	0	23.10	23.09	23.00	24.2	1	
1.4	16QAM	1	0	23.27	23.34	23.18			
1.4	16QAM	1	3	23.06	23.03	22.92			
1.4	16QAM	1	5	23.07	23.18	22.95			



For Ant5

Band 7 ENDC Ant 5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				20650	21100	21350			
Frequency (MHz)				2510	2535	2590			
20	QPSK	1	0	19.43	19.60	19.48	21.2	0	
20	QPSK	1	49	19.51	19.54	19.43			
20	QPSK	1	99	19.38	19.47	19.34			
20	QPSK	50	0	19.44	19.57	19.45	21.2	0	
20	QPSK	50	24	19.44	19.54	19.47			
20	QPSK	50	50	19.42	19.51	19.44			
20	QPSK	100	0	19.45	19.55	19.46	21.2	0	
20	16QAM	1	0	19.42	19.51	19.43			
20	16QAM	1	49	19.49	19.58	19.45			
20	16QAM	1	99	19.40	19.54	19.45	21.2	0	
20	16QAM	50	0	19.47	19.51	19.39			
20	16QAM	50	24	19.45	19.49	19.36			
20	16QAM	50	50	19.41	19.54	19.40	21.2	0	
20	16QAM	100	0	19.43	19.52	19.38			
20	64QAM	1	0	19.51	19.58	19.45			
20	64QAM	1	49	19.52	19.55	19.49	21.2	0	
20	64QAM	1	99	19.44	19.54	19.49			
20	64QAM	50	0	19.44	19.57	19.45			
20	64QAM	50	24	19.43	19.49	19.41	21.2	0	
20	64QAM	50	50	19.43	19.51	19.37			
20	64QAM	100	0	19.49	19.55	19.43			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.29	19.47	19.44	21.2	0	
15	QPSK	1	37	19.40	19.40	19.38			
15	QPSK	1	74	19.31	19.44	19.27			
15	QPSK	36	0	19.35	19.46	19.38	21.2	0	
15	QPSK	36	20	19.38	19.50	19.36			
15	QPSK	36	39	19.34	19.40	19.29			
15	QPSK	75	0	19.34	19.52	19.39	21.2	0	
15	16QAM	1	0	19.33	19.41	19.37			
15	16QAM	1	37	19.37	19.48	19.38			
15	16QAM	1	74	19.35	19.50	19.33	21.2	0	
15	16QAM	36	0	19.36	19.41	19.35			
15	16QAM	36	20	19.36	19.42	19.24			
15	16QAM	36	39	19.33	19.40	19.33	21.2	0	
15	16QAM	75	0	19.33	19.49	19.35			
15	64QAM	1	0	19.37	19.46	19.41			
15	64QAM	1	37	19.37	19.44	19.38	21.2	0	
15	64QAM	1	74	19.34	19.50	19.40			
15	64QAM	36	0	19.30	19.49	19.34			
15	64QAM	36	20	19.37	19.44	19.35	21.2	0	
15	64QAM	36	39	19.29	19.42	19.25			
15	64QAM	75	0	19.40	19.48	19.32			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.39	19.53	19.39	21.2	0	
10	QPSK	1	25	19.41	19.48	19.33			
10	QPSK	1	49	19.29	19.34	19.29			
10	QPSK	25	0	19.35	19.48	19.34	21.2	0	
10	QPSK	25	12	19.40	19.44	19.37			
10	QPSK	25	25	19.30	19.37	19.35			
10	QPSK	50	0	19.42	19.50	19.32	21.2	0	
10	16QAM	1	0	19.34	19.48	19.39			
10	16QAM	1	25	19.44	19.44	19.33			
10	16QAM	1	49	19.33	19.49	19.36	21.2	0	
10	16QAM	25	0	19.36	19.37	19.26			
10	16QAM	25	12	19.38	19.36	19.33			
10	16QAM	25	25	19.35	19.46	19.36	21.2	0	
10	16QAM	50	0	19.38	19.44	19.30			
10	64QAM	1	0	19.46	19.47	19.38			
10	64QAM	1	25	19.38	19.50	19.45	21.2	0	
10	64QAM	1	49	19.33	19.41	19.35			
10	64QAM	25	0	19.39	19.52	19.37			
10	64QAM	25	12	19.33	19.34	19.30	21.2	0	
10	64QAM	25	25	19.32	19.39	19.23			
10	64QAM	50	0	19.35	19.45	19.34			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2507.5			
5	QPSK	1	0	19.32	19.54	19.38	21.2	0	
5	QPSK	1	12	19.38	19.49	19.39			
5	QPSK	1	24	19.31	19.34	19.20			
5	QPSK	12	0	19.36	19.48	19.39	21.2	0	
5	QPSK	12	7	19.37	19.44	19.36			
5	QPSK	12	13	19.35	19.40	19.30			
5	QPSK	25	0	19.31	19.44	19.43	21.2	0	
5	16QAM	1	0	19.37	19.46	19.30			
5	16QAM	1	12	19.43	19.54	19.31			
5	16QAM	1	24	19.25	19.50	19.32	21.2	0	
5	16QAM	12	0	19.34	19.39	19.30			
5	16QAM	12	7	19.39	19.38	19.29			
5	16QAM	12	13	19.33	19.46	19.31	21.2	0	
5	16QAM	25	0	19.29	19.41	19.31			
5	64QAM	1	0	19.43	19.52	19.40			
5	64QAM	1	12	19.38	19.41	19.37	21.2	0	
5	64QAM	1	24	19.37	19.47	19.44			
5	64QAM	12	0	19.39	19.43	19.31			
5	64QAM	12	7	19.29	19.45	19.32	21.2	0	
5	64QAM	12	13	19.39	19.37	19.30			
5	64QAM	25	0	19.39	19.49	19.34			



For Ant6

GSM1900 Ant 6 DSIS

GSM1900 TX Channel	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	1880	1909.8	27.80	1850.2	1880	1909.8	18.00
GSM 1 Tx slot	26.38	26.25	26.33	27.80	17.38	17.25	17.33	18.80
GPRS 1 Tx slot	26.31	26.19	26.28	27.80	17.31	17.19	17.28	18.80
GPRS 2 Tx slots	23.37	23.21	23.27	24.80	17.37	17.21	17.27	18.80
GPRS 3 Tx slots	21.26	21.14	21.24	23.00	17.02	16.88	16.98	18.74
GPRS 4 Tx slots	20.01	20.08	20.05	21.50	17.01	17.08	17.05	18.80
EDGE 1 Tx slot	25.56	25.34	25.38	27.00	16.56	16.34	16.38	18.00
EDGE 2 Tx slots	22.36	22.16	22.22	24.00	16.36	16.16	16.22	18.00
EDGE 3 Tx slots	20.48	20.34	20.44	22.20	16.22	16.08	16.18	17.94
EDGE 4 Tx slots	19.32	19.11	19.19	21.00	16.32	16.11	16.19	18.00

WCDMA II Ant 6 DSIS

WCDMA IV Ant 6 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938	1537	1638	1738	1738	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	20.79	20.87	20.70	22.10	22.58	22.58	22.51	23.80
3GPP Rel 99 RMC 12.2Kbps	20.89	20.94	20.85	22.10	22.61	22.66	22.64	23.80
3GPP Rel 6 HSDPA Subtest-1	20.06	20.15	19.93	21.30	21.65	21.70	21.44	22.80
3GPP Rel 6 HSDPA Subtest-2	19.97	20.12	19.83	21.30	21.56	21.63	21.63	22.80
3GPP Rel 6 HSDPA Subtest-3	19.38	19.45	19.18	20.60	21.09	21.24	20.98	22.30
3GPP Rel 6 HSDPA Subtest-4	19.16	19.38	19.45	20.60	21.25	21.45	21.40	22.30
3GPP Rel 8 DC-HSDPA Subtest-1	20.07	20.24	20.10	21.30	21.47	21.69	21.64	22.80
3GPP Rel 8 DC-HSDPA Subtest-2	19.85	19.83	19.83	21.30	21.69	21.70	21.57	22.80
3GPP Rel 8 DC-HSDPA Subtest-3	19.17	19.42	19.08	20.60	21.17	21.16	21.35	22.30
3GPP Rel 8 DC-HSDPA Subtest-4	19.22	19.16	19.07	20.60	21.21	21.05	20.88	22.30
3GPP Rel 6 HSUPA Subtest-1	19.98	20.19	19.98	21.30	21.70	21.71	21.74	22.80
3GPP Rel 6 HSUPA Subtest-2	16.83	16.80	16.72	18.10	19.70	19.73	19.67	20.80
3GPP Rel 6 HSUPA Subtest-3	17.73	18.00	17.95	19.10	20.65	20.72	20.50	21.80
3GPP Rel 6 HSUPA Subtest-4	16.84	16.87	16.87	18.10	19.63	19.61	19.48	20.80
3GPP Rel 6 HSUPA Subtest-5	19.91	20.16	19.99	21.30	21.57	21.68	21.84	22.80



Band 2 Ant 6 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.04	21.16	20.97	22.4	0		
20	QPSK	1	49	21.00	21.05	20.97				
20	QPSK	1	99	20.97	21.01	20.96				
20	QPSK	50	0	21.09	21.12	21.02				
20	QPSK	50	24	20.98	21.03	20.98				
20	QPSK	100	0	20.98	21.06	20.96	22.4	0		
20	16QAM	1	0	20.99	21.12	21.09				
20	16QAM	1	49	20.94	20.96	20.95				
20	16QAM	1	99	20.81	20.93	20.80				
20	16QAM	50	0	20.94	21.06	20.99				
20	16QAM	50	24	20.76	20.90	20.85	22.4	0		
20	16QAM	50	50	20.88	20.93	20.83				
20	16QAM	100	0	20.88	20.93	20.84				
20	64QAM	1	0	20.98	21.03	20.93				
20	64QAM	1	49	20.88	20.92	20.82				
20	64QAM	1	99	21.06	21.04	20.95	22.4	0		
20	64QAM	50	0	19.93	20.08	20.00				
20	64QAM	50	24	19.94	20.02	19.90				
20	64QAM	50	50	19.99	20.10	19.96				
20	64QAM	100	0	19.94	20.05	19.96				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.96	21.05	20.91	22.4	0		
15	QPSK	1	37	20.87	20.92	20.83				
15	QPSK	1	74	20.91	20.97	20.87				
15	QPSK	36	0	21.06	21.04	20.95				
15	QPSK	36	20	20.86	21.00	20.91				
15	QPSK	36	39	20.85	21.03	20.87	22.4	0		
15	QPSK	75	0	20.87	21.03	20.88				
15	16QAM	1	0	20.94	21.09	20.98				
15	16QAM	1	37	20.70	20.93	20.72				
15	16QAM	1	74	20.77	20.84	20.66				
15	16QAM	36	0	20.84	20.96	20.88	22.4	0		
15	16QAM	36	20	20.80	20.95	20.85				
15	16QAM	36	39	20.80	20.78	20.70				
15	16QAM	75	0	20.84	20.78	20.77				
15	64QAM	1	0	20.84	20.95	20.89				
15	64QAM	1	37	20.81	20.87	20.77	22.4	0		
15	64QAM	1	74	20.74	20.87	20.82				
15	64QAM	36	0	19.79	20.01	19.87				
15	64QAM	36	20	19.85	19.94	19.87				
15	64QAM	36	39	19.92	20.00	19.94				
15	64QAM	75	0	19.93	19.95	19.81	21.4	1		
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.96	21.11	20.90			22.4	0
10	QPSK	1	25	20.92	21.00	20.84				
10	QPSK	1	49	20.89	20.94	20.83				
10	QPSK	25	0	21.00	21.09	20.90				
10	QPSK	25	12	20.89	20.89	20.87				
10	QPSK	25	25	20.79	20.97	20.91	22.4	0		
10	QPSK	50	0	20.93	21.06	20.93				
10	16QAM	1	0	20.96	21.09	21.04				
10	16QAM	1	25	20.71	20.93	20.77				
10	16QAM	1	49	20.70	20.87	20.69				
10	16QAM	25	0	20.89	20.96	20.87	22.4	0		
10	16QAM	25	12	20.82	20.85	20.77				
10	16QAM	25	25	20.82	20.84	20.68				
10	16QAM	50	0	20.73	20.84	20.76				
10	64QAM	1	0	20.87	20.91	20.79				
10	64QAM	1	25	20.79	20.86	20.74	22.4	0		
10	64QAM	1	49	20.75	20.80	20.83				
10	64QAM	25	0	19.80	19.97	19.93				
10	64QAM	25	12	19.82	19.92	19.84				
10	64QAM	25	25	19.91	19.95	19.90				
10	64QAM	50	0	19.90	19.97	19.91	21.4	1		
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.95	21.06	20.89			22.4	0
5	QPSK	1	12	20.94	20.92	20.80				
5	QPSK	1	24	20.91	20.92	20.91				
5	QPSK	12	0	21.06	20.98	20.87				
5	QPSK	12	7	20.95	20.91	20.88				
5	QPSK	12	13	20.89	21.01	20.95	22.4	0		
5	QPSK	25	0	20.84	21.02	20.85				
5	16QAM	1	0	20.87	21.08	21.01				
5	16QAM	1	12	20.72	20.83	20.71				
5	16QAM	1	24	20.87	20.90	20.68				
5	16QAM	12	0	20.86	21.01	20.92	22.4	0		
5	16QAM	12	7	20.84	20.81	20.80				
5	16QAM	12	13	20.73	20.83	20.75				
5	16QAM	25	0	20.78	20.89	20.79				
5	64QAM	1	0	20.85	20.95	20.83				
5	64QAM	1	12	20.79	20.78	20.71	22.4	0		
5	64QAM	1	24	20.69	20.83	20.89				
5	64QAM	12	0	19.79	20.97	20.97				
5	64QAM	12	13	19.89	19.85	19.85				
5	64QAM	12	13	19.95	20.03	19.84				
5	64QAM	25	0	19.91	20.00	19.86	21.4	1		
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.91	21.05	20.86			22.4	0
3	QPSK	1	8	20.96	20.98	20.83				
3	QPSK	1	14	20.94	20.87	20.88				
3	QPSK	8	0	21.02	21.02	20.93				
3	QPSK	8	4	20.86	20.92	20.97				
3	QPSK	8	7	20.82	20.97	20.97	22.4	0		
3	QPSK	15	0	20.92	20.92	20.90				
3	16QAM	1	0	20.87	21.02	21.03				
3	16QAM	1	8	20.74	20.91	20.72				
3	16QAM	1	14	20.72	20.80	20.76				
3	16QAM	8	0	20.90	21.01	20.95	22.4	0		
3	16QAM	8	4	20.62	20.81	20.78				
3	16QAM	8	7	20.80	20.79	20.80				
3	16QAM	15	0	20.79	20.89	20.74				
3	64QAM	1	0	20.83	20.95	20.86				
3	64QAM	1	8	20.81	20.86	20.69	22.4	0		
3	64QAM	1	14	20.78	20.89	20.81				
3	64QAM	8	0	19.87	20.01	19.89				
3	64QAM	8	4	19.81	19.91	19.82				
3	64QAM	8	7	19.87	19.98	19.89				
3	64QAM	15	0	19.87	19.93	19.83	21.4	1		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.95	21.04	20.88			22.4	0
1.4	QPSK	1	3	20.95	20.97	20.90				
1.4	QPSK	1	5	20.84	20.95	20.82				
1.4	QPSK	3	0	21.01	21.09	20.90				
1.4	QPSK	3	1	20.88	20.95	20.93				
1.4	QPSK	3	3	20.89	20.97	20.87	22.4	0		
1.4	QPSK	6	0	20.91	20.92	20.86				
1.4	16QAM	1	0	20.90	21.09	21.05				
1.4	16QAM	1	3	20.71	20.96	20.73				
1.4	16QAM	1	5	20.68	20.86	20.75				
1.4	16QAM	3	0	20.80	21.01	20.88	22.4	0		
1.4	16QAM	3	1	20.67	20.78	20.76				
1.4	16QAM	3	3	20.81	20.83	20.73				
1.4	16QAM	6	0	20.82	20.79	20.76				
1.4	64QAM	1	0	20.93	20.95	20.84				
1.4	64QAM	1	3	20.74	20.79	20.76	22.4	0		
1.4	64QAM	1	5	20.77	20.85	20.89				
1.4	64QAM	3	0	20.79	20.95	20.96				
1.4	64QAM	3	1	20.88	20.96	20.84				
1.4	64QAM	3	3	20.90	20.97	20.87				
1.4	64QAM	6	0	19.81	19.94	19.88	21.4	1		

Band 4 Ant 6 DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.38	22.45	22.38	23.8	0
20	QPSK	1	49	22.31	22.41	22.28		
20	QPSK	1	99	22.34	22.45	22.31		
20	QPSK	50	0	22.17	22.23	22.09		
20	QPSK	50	24	22.00	22.10	22.05		
20	QPSK	100	0	22.07	22.19	22.07	23.4	0.4
20	16QAM	1	0	22.26	22.36	22.33		
20	16QAM	1	49	22.21	22.23	22.23		
20	16QAM	1	99	22.22	22.25	22.18		
20	16QAM	50	0	21.17	21.24	21.18		
20	16QAM	50	24	21.08	21.21	21.09	22.4	1.4
20	16QAM	50	50	21.05	21.17	21.13		
20	16QAM	100	0	21.13	21.19	21.11		
20	64QAM	1	0	21.22	21.31	21.26		
20	64QAM	1	49	21.20	21.26	21.22		
20	64QAM	1	99	21.14	21.23	21.14	22.4	1.4
20	64QAM	50	0	19.98	20.14	20.08		
20	64QAM	50	24	20.12	20.23	20.18		
20	64QAM	50	50	20.07	20.11	19.97		
20	64QAM	100	0	20.01	20.10	20.00		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.32	22.41	22.40	23.8	0
15	QPSK	1	37	22.19	22.26	22.22		
15	QPSK	1	74	22.30	22.38	22.16		
15	QPSK	36	0	22.10	22.10	22.03		
15	QPSK	36	2					



Band 25 Ant 6 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1600	1630	1650			
20	QPSK	1	0	21.04	21.24	20.96	22.4	0	
20	QPSK	1	49	21.04	21.17	21.03			
20	QPSK	1	99	20.99	21.13	21.07			
20	QPSK	50	0	21.13	21.21	21.18	22.4	0	
20	QPSK	50	24	21.06	21.15	21.08			
20	QPSK	50	50	21.07	21.18	21.11			
20	QPSK	100	0	21.17	21.22	21.14			
20	16QAM	1	0	21.16	21.21	21.08	22.4	0	
20	16QAM	1	49	21.01	21.13	20.98			
20	16QAM	1	99	20.94	21.00	20.99			
20	16QAM	50	0	21.11	21.17	21.07	22.4	0	
20	16QAM	50	24	20.98	21.04	20.94			
20	16QAM	50	50	21.01	21.08	21.01			
20	16QAM	100	0	21.05	21.16	21.03			
20	64QAM	1	0	21.02	21.15	21.01	22.4	0	
20	64QAM	1	49	20.94	21.03	20.93			
20	64QAM	1	99	20.96	21.02	20.97			
20	64QAM	50	0	20.08	20.14	20.11	21.4	1	
20	64QAM	50	24	19.88	20.03	19.92			
20	64QAM	50	50	20.02	20.09	19.94			
20	64QAM	100	0	20.10	20.14	20.05			
Channel									
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	20.95	21.12	20.90	22.4	0	
15	QPSK	1	37	20.92	21.06	20.97			
15	QPSK	1	74	20.84	21.05	20.94			
15	QPSK	36	0	21.07	21.11	21.05	22.4	0	
15	QPSK	36	20	21.00	21.05	20.93			
15	QPSK	36	39	20.98	21.06	21.03			
15	QPSK	75	0	21.05	21.09	21.01			
15	16QAM	1	0	21.12	21.18	21.01	22.4	0	
15	16QAM	1	37	20.88	20.99	20.92			
15	16QAM	1	74	20.88	20.91	20.77			
15	16QAM	36	0	21.08	21.07	21.01	22.4	0	
15	16QAM	36	20	20.94	20.93	20.87			
15	16QAM	36	39	20.91	21.00	20.88			
15	16QAM	75	0	20.99	21.12	20.97	22.4	0	
15	64QAM	1	0	20.97	21.10	20.93	22.4	0	
15	64QAM	1	37	20.80	20.94	20.84			
15	64QAM	1	74	20.82	20.94	20.86			
15	64QAM	36	0	20.01	20.09	19.97	21.4	1	
15	64QAM	36	20	19.77	20.00	19.89			
15	64QAM	36	39	19.87	20.05	19.81			
15	64QAM	75	0	19.98	20.03	19.92			
Channel									
Frequency (MHz)				2659.0	2634.0	2664.0			
10	QPSK	1	0	20.98	21.20	20.91	22.4	0	
10	QPSK	1	25	20.91	21.10	20.90			
10	QPSK	1	49	20.87	21.00	20.93			
10	QPSK	25	0	21.04	21.13	21.05	22.4	0	
10	QPSK	25	12	20.93	21.11	20.99			
10	QPSK	25	25	20.99	21.04	21.06			
10	QPSK	50	0	21.10	21.14	21.03	22.4	0	
10	16QAM	1	0	21.06	21.18	21.05	22.4	0	
10	16QAM	1	25	20.90	21.00	20.85			
10	16QAM	1	49	20.80	20.89	20.82			
10	16QAM	25	0	21.06	21.05	20.98	22.4	0	
10	16QAM	25	12	20.91	20.96	20.90			
10	16QAM	25	25	20.88	21.01	20.96			
10	16QAM	50	0	20.94	21.12	20.85	22.4	0	
10	64QAM	1	0	20.88	21.10	20.96	22.4	0	
10	64QAM	1	25	20.85	20.98	20.85			
10	64QAM	1	49	20.81	20.97	20.91			
10	64QAM	25	0	19.93	20.03	20.07	21.4	1	
10	64QAM	25	12	19.75	19.93	19.85			
10	64QAM	25	25	19.92	20.01	19.85			
10	64QAM	50	0	20.07	20.03	19.97			
Channel									
Frequency (MHz)				2606.5	2634.0	2666.5			
5	QPSK	1	0	20.99	21.14	20.91	22.4	0	
5	QPSK	1	12	21.00	21.06	20.88			
5	QPSK	1	24	20.91	20.99	20.85			
5	QPSK	12	0	21.02	21.15	21.05	22.4	0	
5	QPSK	12	7	20.99	21.02	20.96			
5	QPSK	12	13	21.02	21.03	21.07			
5	QPSK	25	0	21.05	21.11	21.03	22.4	0	
5	16QAM	1	0	21.03	21.12	20.93			
5	16QAM	1	12	20.89	21.04	20.88			
5	16QAM	1	24	20.83	20.86	20.80	22.4	0	
5	16QAM	12	0	20.97	21.10	21.02			
5	16QAM	12	7	20.85	20.95	20.81	22.4	0	
5	16QAM	12	13	20.86	21.00	20.93			
5	16QAM	25	0	20.98	21.07	20.88	22.4	0	
5	64QAM	1	0	20.89	21.04	20.95			
5	64QAM	1	12	20.85	20.95	20.89			
5	64QAM	1	24	20.93	20.91	20.82	22.4	0	
5	64QAM	12	0	19.94	20.07	20.03	21.4	1	
5	64QAM	12	7	19.82	19.99	19.84			
5	64QAM	12	13	19.95	20.06	19.91			
5	64QAM	25	0	20.04	20.10	19.91			
Channel									
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	21.03	21.17	20.91	22.4	0	
3	QPSK	1	8	20.89	21.11	20.91			
3	QPSK	1	14	20.88	21.08	21.00			
3	QPSK	8	0	21.06	21.07	21.09	22.4	0	
3	QPSK	8	4	21.02	21.09	20.98			
3	QPSK	8	7	21.03	21.05	20.99			
3	QPSK	15	0	21.12	21.12	21.03	22.4	0	
3	16QAM	1	0	21.13	21.17	20.97			
3	16QAM	1	8	20.88	21.06	20.96	22.4	0	
3	16QAM	1	14	20.84	20.94	20.84			
3	16QAM	8	0	21.07	21.04	20.99	22.4	0	
3	16QAM	8	4	20.93	20.93	20.86			
3	16QAM	8	7	20.95	21.03	20.98			
3	16QAM	15	0	20.97	21.01	20.99	22.4	0	
3	64QAM	1	0	20.93	21.03	20.93	22.4	0	
3	64QAM	1	8	20.90	20.97	20.89			
3	64QAM	1	14	20.90	20.91	20.85			
3	64QAM	8	0	20.01	20.06	20.03	21.4	1	
3	64QAM	8	4	19.85	19.98	19.83			
3	64QAM	8	7	19.96	20.01	19.90			
3	64QAM	15	0	20.04	20.08	19.93			
Channel									
Frequency (MHz)				2604.0	2634.0	2659.0			
1.4	QPSK	1	0	21.05	21.19	20.83	22.4	0	
1.4	QPSK	1	3	21.00	21.10	20.92			
1.4	QPSK	1	5	20.85	21.08	20.95			
1.4	QPSK	3	0	21.06	21.15	21.11	22.4	0	
1.4	QPSK	3	1	20.94	21.12	20.99			
1.4	QPSK	3	3	21.02	21.12	21.00			
1.4	QPSK	6	0	21.13	21.11	21.03	22.4	0	
1.4	16QAM	1	0	21.03	21.09	20.94	22.4	0	
1.4	16QAM	1	3	20.90	21.08	20.84			
1.4	16QAM	1	5	20.84	20.93	20.76			
1.4	16QAM	3	0	20.97	21.08	20.96	22.4	0	
1.4	16QAM	3	1	20.93	20.96	20.87			
1.4	16QAM	3	3	20.91	20.98	20.86			
1.4	16QAM	6	0	20.94	21.11	20.95	22.4	0	
1.4	64QAM	1	0	20.91	21.00	20.89	22.4	0	
1.4	64QAM	1	3	20.85	20.93	20.81			
1.4	64QAM	1	5	20.92	20.89	20.83			
1.4	64QAM	3	0	21.02	20.99	21.01	22.4	0	
1.4	64QAM	3	1	20.81	20.90	20.80			
1.4	64QAM	3	3	20.88	21.00	20.83			
1.4	64QAM	6	0	20.02	20.05	19.90	21.4	1	

Band 66 Ant 6 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1723	1745	1770			
20	QPSK	1	0	22.82	22.87				



Band 38 Ant 6 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.36	19.43	19.33	20.3	0		
20	QPSK	1	49	19.28	19.32	19.24				
20	QPSK	1	99	19.26	19.31	19.22				
20	QPSK	50	0	19.27	19.40	19.29	20.3	0		
20	QPSK	50	24	19.26	19.36	19.23				
20	QPSK	50	50	19.25	19.34	19.19				
20	QPSK	100	0	19.23	19.35	19.28	20.3	0		
20	16QAM	1	0	19.23	19.35	19.30				
20	16QAM	1	49	19.14	19.21	19.09				
20	16QAM	1	99	19.08	19.20	19.06	20.3	0		
20	16QAM	50	0	19.16	19.29	19.16				
20	16QAM	50	24	19.19	19.28	19.18				
20	16QAM	50	50	19.13	19.27	19.22	20.3	0		
20	16QAM	100	0	19.14	19.23	19.11				
20	64QAM	1	0	19.26	19.33	19.19				
20	64QAM	1	49	19.08	19.18	19.09	20.3	0		
20	64QAM	1	99	19.24	19.33	19.21				
20	64QAM	50	0	19.14	19.18	19.08				
20	64QAM	50	24	19.21	19.27	19.21	20.3	0		
20	64QAM	50	50	19.19	19.31	19.19				
20	64QAM	100	0	19.17	19.23	19.16				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.24	19.34	19.20	20.3	0		
15	QPSK	1	37	19.14	19.20	19.14				
15	QPSK	1	74	19.18	19.25	19.13				
15	QPSK	36	0	19.22	19.26	19.18	20.3	0		
15	QPSK	36	20	19.16	19.30	19.19				
15	QPSK	36	39	19.11	19.28	19.09				
15	QPSK	75	0	19.19	19.29	19.17	20.3	0		
15	16QAM	1	0	19.08	19.22	19.17				
15	16QAM	1	37	19.10	19.16	19.03				
15	16QAM	1	74	19.01	19.14	18.96	20.3	0		
15	16QAM	36	0	19.07	19.24	19.05				
15	16QAM	36	20	19.07	19.16	19.07				
15	16QAM	36	39	19.01	19.17	19.13	20.3	0		
15	16QAM	75	0	19.01	19.12	18.96				
15	64QAM	1	0	19.12	19.29	19.10				
15	64QAM	1	37	19.00	19.12	18.98	20.3	0		
15	64QAM	1	74	19.20	19.25	19.17				
15	64QAM	36	0	19.03	19.13	19.04				
15	64QAM	36	20	19.15	19.21	19.08	20.3	0		
15	64QAM	36	39	19.12	19.23	19.06				
15	64QAM	75	0	19.12	19.10	19.05				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.31	19.38	19.29	20.3	0		
10	QPSK	1	25	19.24	19.19	19.11				
10	QPSK	1	49	19.13	19.18	19.18				
10	QPSK	25	0	19.16	19.32	19.18	20.3	0		
10	QPSK	25	12	19.12	19.27	19.10				
10	QPSK	25	25	19.11	19.31	19.16				
10	QPSK	50	0	19.11	19.21	19.15	20.3	0		
10	16QAM	1	0	19.12	19.25	19.15				
10	16QAM	1	25	19.00	19.08	18.96				
10	16QAM	1	49	19.02	19.14	18.97	20.3	0		
10	16QAM	25	0	19.12	19.22	19.05				
10	16QAM	25	12	19.11	19.21	19.12				
10	16QAM	25	25	19.03	19.23	19.14	20.3	0		
10	16QAM	50	0	19.09	19.15	18.98				
10	64QAM	1	0	19.18	19.21	19.09				
10	64QAM	1	25	18.95	19.15	19.04	20.3	0		
10	64QAM	1	49	19.12	19.27	19.15				
10	64QAM	25	0	19.01	19.14	19.00				
10	64QAM	25	12	19.18	19.16	19.14	20.3	0		
10	64QAM	25	25	19.06	19.20	19.16				
10	64QAM	50	0	19.09	19.10	19.04				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.22	19.39	19.24	20.3	0		
5	QPSK	1	12	19.14	19.29	19.17				
5	QPSK	1	24	19.20	19.18	19.08				
5	QPSK	12	0	19.20	19.26	19.21	20.3	0		
5	QPSK	12	7	19.14	19.22	19.12				
5	QPSK	12	13	19.15	19.21	19.06				
5	QPSK	25	0	19.10	19.32	19.17	20.3	0		
5	16QAM	1	0	19.14	19.25	19.17				
5	16QAM	1	12	19.00	19.09	18.94				
5	16QAM	1	24	18.97	19.16	18.96	20.3	0		
5	16QAM	12	0	19.09	19.22	19.12				
5	16QAM	12	7	19.06	19.14	19.08				
5	16QAM	12	13	18.99	19.20	19.15	20.3	0		
5	16QAM	25	0	19.07	19.17	19.03				
5	64QAM	1	0	19.15	19.20	19.10				
5	64QAM	1	12	19.00	19.14	19.01	20.3	0		
5	64QAM	1	24	19.18	19.23	19.10				
5	64QAM	12	0	19.00	19.05	19.01				
5	64QAM	12	7	19.12	19.18	19.09	20.3	0		
5	64QAM	12	13	19.16	19.26	19.11				

Band 41 Ant 6 DS13												
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	19.21	19.11	19.29	19.26	19.23	20.3	0		
20	QPSK	1	49	18.98	18.90	19.04	18.94	18.96				
20	QPSK	1	99	19.02	18.98	19.12	18.99	19.06				
20	QPSK	50	0	19.13	19.15	19.25	19.22	19.22	20.3	0		
20	QPSK	50	24	19.16	19.09	19.21	19.12	19.11				
20	QPSK	50	50	19.14	19.15	19.24	19.16	19.16				
20	QPSK	100	0	19.14	19.21	19.27	19.21	19.20	20.3	0		
20	16QAM	1	0	19.14	19.06	19.17	19.04	19.12				
20	16QAM	1	49	18.93	18.83	18.98	18.95	18.89				
20	16QAM	1	99	18.90	18.96	19.01	18.91	18.89	20.3	0		
20	16QAM	50	0	19.17	19.16	19.21	19.12	19.14				
20	16QAM	50	24	19.04	18.98	19.10	18.99	18.98				
20	16QAM	50	50	19.11	19.00	19.14	19.07	19.04	20.3	0		
20	16QAM	100	0	19.15	19.06	19.20	19.09	19.14				
20	64QAM	1	0	19.15	19.10	19.22	19.12	19.18				
20	64QAM	1	49	18.90	18.87	18.92	18.91	18.88	20.3	0		
20	64QAM	1	99	18.92	18.89	19.01	18.88	18.90				
20	64QAM	50	0	19.09	19.11	19.20	19.16	19.14				
20	64QAM	50	24	19.09	19.05	19.16	19.04	19.12	20.3	0		
20	64QAM	50	50	19.04	18.95	19.10	19.04	18.96				
20	64QAM	100	0	19.10	19.09	19.23	19.14	19.08				
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	19.07	18.97	19.24	19.15	19.18	20.30	0		
15	QPSK	1	37	18.89	18.79	18.86	18.85	18.90				
15	QPSK	1	74	18.89	18.92	18.99	18.95	19.00				
15	QPSK	36	0	19.08	19.06	19.17	19.09	19.18	20.3	0		
15	QPSK	36	20	19.03	18.98	19.14	19.01	19.04				
15	QPSK	36	39	19.07	19.08	19.20	19.12	19.03				
15	QPSK	75	0	19.10	19.08	19.22	19.12	19.07	20.3	0		
15	16QAM	1	0	19.00	18.94	19.04	18.92	19.04				
15	16QAM	1	37	18.88	18.76	18.84	18.90	18.84				
15	16QAM	1	74	18.76	18.92	18.94	18.84	18.75	20.3	0		
15	16QAM	36	0	19.04	19.03	19.07	19.06	19.09				
15	16QAM	36	20	18.89	18.87	18.97	18.86	18.87				
15	16QAM	36	39	18.98	18.96	19.11	19.02	19.00	20.3	0		
15	16QAM											



Reduced Power Level for DSI 5

GSM850 Ant 0 DSI5								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	29.99	30.23	30.21	31.30	20.99	21.23	21.21	22.30
GSM 1 Tx slot	29.95	30.00	30.25	31.30	20.95	21.00	21.25	22.30
GPRS 2 Tx slots	26.38	26.50	26.52	28.30	20.38	20.50	20.52	22.30
GPRS 3 Tx slots	24.60	24.67	24.67	26.50	20.34	20.41	20.41	22.24
GPRS 4 Tx slots	23.31	23.43	23.37	25.30	20.31	20.43	20.37	22.30
EDGE 1 Tx slot	25.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI5					
Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458		
Rx Channel	826.4	836.4	846.6		
Frequency (MHz)					
3GPP Rel 99	AMR 12.2Kbps	21.49	21.62	21.47	22.30
3GPP Rel 99	RMC 12.2Kbps	21.58	21.68	21.53	22.30
3GPP Rel 6	HSDPA Subtest-1	18.14	18.29	18.28	19.30
3GPP Rel 6	HSDPA Subtest-2	18.21	18.32	18.33	19.30
3GPP Rel 6	HSDPA Subtest-3	19.74	19.79	19.78	20.80
3GPP Rel 6	HSDPA Subtest-4	19.69	19.89	19.78	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	18.12	18.46	18.27	19.30
3GPP Rel 8	DC-HSDPA Subtest-2	18.20	18.33	18.36	19.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.77	19.88	19.84	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.79	19.88	19.88	20.80
3GPP Rel 6	HSUPA Subtest-1	16.25	16.28	16.24	17.30
3GPP Rel 6	HSUPA Subtest-2	16.15	16.37	16.29	17.30
3GPP Rel 6	HSUPA Subtest-3	17.19	17.35	17.39	18.30
3GPP Rel 6	HSUPA Subtest-4	16.21	16.34	16.25	17.30
3GPP Rel 6	HSUPA Subtest-5	18.24	18.38	18.33	19.30



Band 5 Ant 0 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.24	21.38	21.20	22.3	0		
10	QPSK	1	25	21.22	21.18	21.26				
10	QPSK	1	49	21.27	21.28	21.10				
10	QPSK	25	0	21.27	21.33	21.23	22.3	0		
10	QPSK	25	12	21.20	21.20	21.12				
10	QPSK	25	25	21.27	21.23	21.21				
10	QPSK	50	0	21.28	21.29	21.26	22.3	0		
10	16QAM	1	0	21.15	21.20	21.23				
10	16QAM	1	25	21.27	21.33	21.14				
10	16QAM	1	49	21.32	21.31	21.30	22.3	0		
10	16QAM	25	0	21.19	21.25	21.19				
10	16QAM	25	12	21.22	21.22	21.18				
10	16QAM	25	25	21.20	21.29	21.32	22.3	0		
10	16QAM	50	0	21.18	21.23	21.14				
10	64QAM	1	0	21.21	21.26	21.08				
10	64QAM	1	25	21.32	21.32	21.28	22.3	0		
10	64QAM	1	49	21.23	21.25	21.21				
10	64QAM	25	0	21.13	21.22	21.13				
10	64QAM	25	12	21.21	21.34	21.25	22.3	0		
10	64QAM	25	25	21.16	21.29	21.08				
10	64QAM	50	0	21.20	21.23	21.08				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.12	21.30	21.14	22.3	0		
5	QPSK	1	12	21.11	21.12	21.06				
5	QPSK	1	24	21.17	21.13	20.97				
5	QPSK	12	0	21.13	21.24	21.20	22.3	0		
5	QPSK	12	7	21.10	21.11	21.05				
5	QPSK	12	13	21.24	21.09	21.13				
5	QPSK	25	0	21.19	21.21	21.16	22.3	0		
5	16QAM	1	0	21.01	21.07	21.09				
5	16QAM	1	12	21.22	21.28	21.08				
5	16QAM	1	24	21.20	21.16	21.18	22.3	0		
5	16QAM	12	0	21.07	21.16	21.08				
5	16QAM	12	7	21.11	21.13	21.09				
5	16QAM	12	13	21.14	21.24	21.17	22.3	0		
5	16QAM	25	0	21.09	21.18	21.04				
5	64QAM	1	0	21.15	21.21	20.96				
5	64QAM	1	12	21.27	21.18	21.15	22.3	0		
5	64QAM	1	24	21.19	21.17	21.07				
5	64QAM	12	0	21.08	21.11	21.02				
5	64QAM	12	7	21.11	21.19	21.12	22.3	0		
5	64QAM	12	13	21.03	21.19	20.96				
5	64QAM	25	0	21.08	21.13	21.04				
Channel				20416	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	21.19	21.28	21.05	22.3	0		
3	QPSK	1	8	21.18	21.12	21.01				
3	QPSK	1	14	21.15	21.22	21.07				
3	QPSK	8	0	21.24	21.20	21.14	22.3	0		
3	QPSK	8	4	21.13	21.12	21.05				
3	QPSK	8	7	21.17	21.09	21.17				
3	QPSK	15	0	21.20	21.25	21.22	22.3	0		
3	16QAM	1	0	21.11	21.14	21.17				
3	16QAM	1	8	21.16	21.24	21.06				
3	16QAM	1	14	21.26	21.22	21.23	22.3	0		
3	16QAM	8	0	21.15	21.17	21.12				
3	16QAM	8	4	21.14	21.18	21.10				
3	16QAM	8	7	21.15	21.16	21.23	22.3	0		
3	16QAM	15	0	21.10	21.10	21.03				
3	64QAM	1	0	21.11	21.12	20.96				
3	64QAM	1	8	21.26	21.19	21.22	22.3	0		
3	64QAM	1	14	21.16	21.19	21.10				
3	64QAM	8	0	21.02	21.15	21.09				
3	64QAM	8	4	21.17	21.23	21.11	22.3	0		
3	64QAM	8	7	21.01	21.22	21.03				
3	64QAM	15	0	21.09	21.10	20.96				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.10	21.24	21.05	22.3	0		
1.4	QPSK	1	3	21.08	21.06	21.05				
1.4	QPSK	1	5	21.21	21.18	21.03				
1.4	QPSK	3	0	21.23	21.18	21.13	22.3	0		
1.4	QPSK	3	1	21.08	21.16	20.97				
1.4	QPSK	3	3	21.16	21.19	21.12				
1.4	QPSK	6	0	21.22	21.19	21.19	22.3	0		
1.4	16QAM	1	0	21.06	21.13	21.15				
1.4	16QAM	1	3	21.15	21.20	21.07				
1.4	16QAM	1	5	21.22	21.28	21.17	22.3	0		
1.4	16QAM	3	0	21.14	21.16	21.08				
1.4	16QAM	3	1	21.16	21.08	21.12				
1.4	16QAM	3	3	21.06	21.25	21.19	22.3	0		
1.4	16QAM	6	0	21.15	21.15	21.02				
1.4	64QAM	1	0	21.12	21.17	20.98				
1.4	64QAM	1	3	21.28	21.21	21.23	22.3	0		
1.4	64QAM	1	5	21.18	21.13	21.08				
1.4	64QAM	3	0	21.04	21.17	21.00				
1.4	64QAM	3	1	21.14	21.24	21.20	22.3	0		
1.4	64QAM	3	3	21.12	21.24	21.04				
1.4	64QAM	6	0	21.06	21.17	20.97				

Band 12 Ant 0 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.37	21.53	21.30	22.3	0		
10	QPSK	1	25	21.31	21.32	21.28				
10	QPSK	1	49	21.36	21.45	21.17				
10	QPSK	25	0	21.35	21.46	21.31	22.3	0		
10	QPSK	25	12	21.36	21.29	21.18				
10	QPSK	25	25	21.43	21.35	21.30				
10	QPSK	50	0	21.40	21.45	21.32	22.3	0		
10	16QAM	1	0	21.22	21.28	21.37				
10	16QAM	1	25	21.40	21.48	21.31				
10	16QAM	1	49	21.48	21.47	21.36	22.3	0		
10	16QAM	25	0	21.31	21.41	21.28				
10	16QAM	25	12	21.28	21.30	21.31				
10	16QAM	25	25	21.33	21.43	21.47	22.3	0		
10	16QAM	50	0	21.26	21.32	21.23				
10	64QAM	1	0	21.36	21.37	21.16				
10	64QAM	1	25	21.43	21.45	21.42	22.3	0		
10	64QAM	1	49	21.37	21.35	21.26				
10	64QAM	25	0	21.23	21.36	21.26				
10	64QAM	25	12	21.33	21.41	21.35	22.3	0		
10	64QAM	25	25	21.29	21.43	21.14				
10	64QAM	50	0	21.35	21.29	21.15				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.30	21.46	21.22	22.3	0		
5	QPSK	1	12	21.18	21.17	21.08				
5	QPSK	1	24	21.30	21.29	21.07				
5	QPSK	12	0	21.36	21.31	21.22	22.3	0		
5	QPSK	12	7	21.23	21.12	21.03				
5	QPSK	12	13	21.34	21.27	21.23				
5	QPSK	25	0	21.29	21.23	21.23	22.3	0		
5	16QAM	1	0	21.18	21.24	21.23				
5	16QAM	1	12	21.27	21.32	21.21				
5	16QAM	1	24	21.32	21.29	21.30	22.3	0		
5	16QAM	12	0	21.21	21.29	21.16				
5	16QAM	12	7	21.18	21.13	21.11				
5	16QAM	12	13	21.15	21.32	21.41	22.3	0		
5	16QAM	25	0	21.24	21.21	21.21				
5	64QAM	1	0	21.27	21.22	21.10				
5	64QAM	1	12	21.25	21.27	21.23	22.3	0		
5	64QAM	1	24	21.25	21.27	21.19				
5	64QAM	12	0	21.17	21.32	21.22				
5	64QAM	12	7	21.34	21.40	21.29	22.3	0		
5	64QAM	12	13	21.23	21.31	21.13				
5	64QAM	25	0	21.30	21.23	21.12				
Channel				23065	23095	23165	Tune-up limit (dB			



Band 17 Ant 0 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.39	21.49	21.25	22.3	0	
10	QPSK	1	25	21.22	21.34	21.23			
10	QPSK	1	49	21.38	21.46	21.24			
10	QPSK	25	0	21.36	21.38	21.24	22.3	0	
10	QPSK	25	12	21.23	21.30	21.19			
10	QPSK	25	25	21.29	21.28	21.25			
10	QPSK	50	0	21.32	21.34	21.25	22.3	0	
10	16QAM	1	0	21.12	21.29	21.28			
10	16QAM	1	25	21.34	21.39	21.21			
10	16QAM	1	49	21.41	21.45	21.37	22.3	0	
10	16QAM	25	0	21.27	21.38	21.28			
10	16QAM	25	12	21.19	21.30	21.25			
10	16QAM	25	25	21.27	21.41	21.42	22.3	0	
10	16QAM	50	0	21.22	21.33	21.16			
10	64QAM	1	0	21.34	21.34	21.26			
10	64QAM	1	25	21.45	21.42	21.43	22.3	0	
10	64QAM	1	49	21.31	21.26	21.26			
10	64QAM	25	0	21.22	21.32	21.24			
10	64QAM	25	12	21.35	21.40	21.31	22.3	0	
10	64QAM	25	25	21.30	21.44	21.28			
10	64QAM	50	0	21.35	21.28	21.15			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.26	21.39	21.13	22.3	0	
5	QPSK	1	12	21.11	21.26	21.09			
5	QPSK	1	24	21.25	21.37	21.12			
5	QPSK	12	0	21.24	21.24	21.17	22.3	0	
5	QPSK	12	7	21.10	21.21	21.12			
5	QPSK	12	13	21.24	21.14	21.13			
5	QPSK	25	0	21.18	21.31	21.11	22.3	0	
5	16QAM	1	0	21.04	21.18	21.15			
5	16QAM	1	12	21.25	21.37	21.15			
5	16QAM	1	24	21.40	21.34	21.24	22.3	0	
5	16QAM	12	0	21.19	21.31	21.24			
5	16QAM	12	7	21.08	21.24	21.11			
5	16QAM	12	13	21.14	21.30	21.39	22.3	0	
5	16QAM	25	0	21.09	21.28	21.02			
5	64QAM	1	0	21.20	21.22	21.22			
5	64QAM	1	12	21.35	21.31	21.33	22.3	0	
5	64QAM	1	24	21.18	21.22	21.21			
5	64QAM	12	0	21.08	21.19	21.13			
5	64QAM	12	7	21.29	21.31	21.16	22.3	0	
5	64QAM	12	13	21.21	21.35	21.16			
5	64QAM	25	0	21.32	21.19	21.01			

Band 26 Ant 0 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.27	21.44	21.33	22.3	0	
15	QPSK	1	37	21.25	21.29	21.30			
15	QPSK	1	74	21.25	21.31	21.36			
15	QPSK	36	0	21.28	21.29	21.18	22.3	0	
15	QPSK	36	20	21.14	21.16	21.10			
15	QPSK	36	39	21.18	21.17	21.12			
15	QPSK	75	0	21.20	21.28	21.18	22.3	0	
15	16QAM	1	0	20.97	21.20	21.17			
15	16QAM	1	37	21.22	21.32	21.10			
15	16QAM	1	74	21.26	21.34	21.30	22.3	0	
15	16QAM	36	0	21.13	21.24	21.24			
15	16QAM	36	20	21.13	21.19	21.16			
15	16QAM	36	39	21.20	21.29	21.28	22.3	0	
15	16QAM	75	0	21.16	21.23	21.10			
15	64QAM	1	0	21.20	21.25	21.16			
15	64QAM	1	37	21.38	21.30	21.28	22.3	0	
15	64QAM	1	74	21.18	21.20	21.20			
15	64QAM	36	0	21.13	21.21	21.25			
15	64QAM	36	20	21.22	21.32	21.20	22.3	0	
15	64QAM	36	39	21.22	21.33	21.13			
15	64QAM	75	0	21.22	21.13	21.03			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.18	21.39	21.09	22.3	0	
10	QPSK	1	25	21.14	21.14	21.01			
10	QPSK	1	49	21.17	21.27	21.09			
10	QPSK	25	0	21.24	21.20	21.13	22.3	0	
10	QPSK	25	12	21.04	21.10	21.00			
10	QPSK	25	25	21.12	21.10	21.01			
10	QPSK	50	0	21.17	21.09	21.12	22.3	0	
10	16QAM	1	0	20.88	21.08	21.07			
10	16QAM	1	25	21.18	21.27	21.04			
10	16QAM	1	49	21.18	21.25	21.23	22.3	0	
10	16QAM	25	0	20.98	21.20	21.20			
10	16QAM	25	12	21.01	21.08	21.13			
10	16QAM	25	25	21.11	21.25	21.20	22.3	0	
10	16QAM	50	0	21.02	21.20	21.01			
10	64QAM	1	0	21.09	21.20	21.10			
10	64QAM	1	25	21.31	21.18	21.17	22.3	0	
10	64QAM	1	49	21.08	21.16	21.10			
10	64QAM	25	0	21.10	21.16	21.11			
10	64QAM	25	12	21.19	21.22	21.14	22.3	0	
10	64QAM	25	25	21.16	21.18	21.09			
10	64QAM	50	0	21.17	21.00	20.97			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.13	21.32	21.01	22.3	0	
5	QPSK	1	12	21.14	21.16	21.01			
5	QPSK	1	24	21.16	21.21	21.10			
5	QPSK	12	0	21.15	21.25	21.04	22.3	0	
5	QPSK	12	7	21.00	21.03	21.07			
5	QPSK	12	13	21.04	21.10	21.01			
5	QPSK	25	0	21.16	21.15	21.03	22.3	0	
5	16QAM	1	0	20.85	21.07	21.13			
5	16QAM	1	12	21.14	21.22	21.02			
5	16QAM	1	24	21.22	21.21	21.23	22.3	0	
5	16QAM	12	0	20.98	21.16	21.12			
5	16QAM	12	7	21.01	21.07	21.12			
5	16QAM	12	13	21.07	21.24	21.24	22.3	0	
5	16QAM	25	0	21.10	21.18	21.03			
5	64QAM	1	0	21.08	21.10	21.12			
5	64QAM	1	12	21.11	21.17	21.09	22.3	0	
5	64QAM	12	0	21.07	21.16	21.13			
5	64QAM	12	7	21.17	21.28	21.15			
5	64QAM	12	13	21.16	21.28	20.99	22.3	0	
5	64QAM	25	0	21.15	21.04	20.99			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.13	21.34	20.99	22.3	0	
3	QPSK	1	8	21.03	21.25	21.02			
3	QPSK	1	14	21.20	21.24	21.04			
3	QPSK	8	0	21.24	21.22	21.10	22.3	0	
3	QPSK	8	4	21.07	21.04	21.00			
3	QPSK	8	7	21.05	21.07	21.08			
3	QPSK	15	0	21.23	21.14	21.03	22.3	0	
3	16QAM	1	0	20.90	21.15	21.13			
3	16QAM	1	8	21.12	21.29	21.02			
3	16QAM	1	14	21.16	21.22	21.20	22.3	0	
3	16QAM	8	0	21.02	21.14	21.14			
3	16QAM	8	4	21.05	21.09	21.08			
3	16QAM	8	7	21.12	21.26	21.18	22.3	0	
3	16QAM	15	0	21.11	21.16	21.06			
3	64QAM	1	0	21.11	21.17	21.04			
3	64QAM	1	8	21.30	21.16	21.20	22.3	0	
3	64QAM	1	14	21.08	21.09	21.06			
3	64QAM	8	0	21.06	21.16	21.16			
3	64QAM	8	4	21.18	21.24	21.13	22.3	0	
3	64QAM	8	7	21.10	21.28	21.09			
3	64QAM	15	0	21.14	21.10	20.89			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.16	21.40	21.03	22.3	0	
1.4	QPSK	1	3	21.11	21.26	21.05			
1.4	QPSK	1	5	21.21	21.17	21.05			
1.4	QPSK	3	0	21.14	21.19	21.04	22.3	0	
1.4	QPSK	3	1	21.06	21.03	21.05			
1.4	QPSK	3	3	21.07	21.03	21.07			
1.4	QPSK	6	0	21.17	21.13	21.04	22.3	0	
1.4	16QAM	1	0	20.93	21.08	21.03			
1.4	16QAM	1	3	21.11	21.21	20.99			
1.4	16QAM	1	5	21.13	21.27	21.18	22.3	0	
1.4	16QAM	3	0	21.05					



GSM1900 Ant 1 DSIS

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.64	28.51	28.57	27.80	17.64	17.51	17.57	18.20
GPRS 1 Tx slot	28.64	28.43	28.58	27.80	17.64	17.43	17.58	18.20
GPRS 2 Tx slots	22.94	22.87	23.00	24.80	16.94	16.87	17.00	18.20
GPRS 3 Tx slots	21.22	21.14	21.04	23.00	16.96	16.88	16.78	18.74
GPRS 4 Tx slots	20.03	20.06	19.98	21.80	17.03	17.06	16.98	18.80
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSIS

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	21.04	21.05	20.88	21.90	21.04	21.08	21.03	21.90
3GPP Rel 99 RMC 12.2Kbps	21.15	21.23	21.09	21.90	21.08	21.10	21.05	21.90
3GPP Rel 6 HSDPA Subtest-1	20.30	20.37	20.51	21.10	20.37	20.23	20.26	20.90
3GPP Rel 6 HSDPA Subtest-2	20.25	20.49	20.30	21.10	20.16	20.28	20.08	20.90
3GPP Rel 6 HSDPA Subtest-3	19.72	19.81	19.77	20.40	19.93	19.92	19.73	20.40
3GPP Rel 6 HSDPA Subtest-4	19.67	19.74	19.78	20.40	19.69	19.98	19.65	20.40
3GPP Rel 8 DC-HSDPA Subtest-1	20.23	20.58	20.52	21.10	20.03	20.34	20.20	20.90
3GPP Rel 8 DC-HSDPA Subtest-2	20.32	20.56	20.43	21.10	20.28	20.23	20.37	20.90
3GPP Rel 8 DC-HSDPA Subtest-3	19.75	19.88	19.85	20.40	19.64	19.69	19.68	20.40
3GPP Rel 8 DC-HSDPA Subtest-4	19.86	19.95	19.75	20.40	19.56	19.84	19.41	20.40
3GPP Rel 6 HSUPA Subtest-1	20.55	20.47	20.27	21.10	20.38	20.42	20.28	20.90
3GPP Rel 6 HSUPA Subtest-2	17.21	17.30	17.25	17.90	18.25	18.28	18.16	18.90
3GPP Rel 6 HSUPA Subtest-3	18.36	18.25	18.22	18.90	19.21	19.43	19.20	19.90
3GPP Rel 6 HSUPA Subtest-4	17.25	17.34	17.15	17.90	18.28	18.46	18.33	18.90
3GPP Rel 6 HSUPA Subtest-5	20.48	20.66	20.60	21.10	20.05	20.23	20.21	20.90



Band 2 Ant 1 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.94	21.14	20.93	21.9	0				
20	QPSK	1	49	20.92	20.92	20.82						
20	QPSK	1	99	20.99	21.02	20.84						
20	QPSK	50	0	20.99	21.05	20.88						
20	QPSK	50	24	20.97	20.95	20.84	21.9	0				
20	QPSK	50	50	20.98	20.94	20.87						
20	QPSK	100	0	20.96	20.99	20.87						
20	16QAM	1	0	20.82	20.86	20.85						
20	16QAM	1	49	20.95	21.01	20.90	21.9	0				
20	16QAM	1	99	21.01	20.99	21.03						
20	16QAM	50	0	20.84	21.02	20.85						
20	16QAM	50	24	20.98	20.97	20.89						
20	16QAM	50	50	20.92	20.97	21.02	21.9	0				
20	16QAM	100	0	20.86	20.96	20.84						
20	64QAM	1	0	20.84	20.92	20.78						
20	64QAM	1	49	21.01	21.09	21.01						
20	64QAM	1	99	20.92	20.96	20.82	21.9	0				
20	64QAM	50	0	20.85	20.86	20.81						
20	64QAM	50	24	20.95	21.07	20.81						
20	64QAM	50	50	20.90	21.06	20.80						
20	64QAM	100	0	20.84	20.95	20.73	21.9	0				
Channel												
Frequency (MHz)												
18575 18900 19125												
15	QPSK	1	0	20.80	21.00	20.87	21.9	0				
15	QPSK	1	37	20.83	20.89	20.74						
15	QPSK	1	74	20.95	20.90	20.75						
15	QPSK	36	0	20.84	20.90	20.83						
15	QPSK	36	20	20.92	20.83	20.72	21.9	0				
15	QPSK	36	39	20.87	20.80	20.81						
15	QPSK	75	0	20.88	20.92	20.87						
15	16QAM	1	0	20.69	20.80	20.88						
15	16QAM	1	37	20.85	20.93	20.80	21.9	0				
15	16QAM	1	74	20.98	20.90	20.91						
15	16QAM	36	0	20.76	20.90	20.89						
15	16QAM	36	20	20.86	20.86	20.83						
15	16QAM	36	39	20.84	20.84	20.88	21.9	0				
15	16QAM	75	0	20.85	20.85	20.81						
15	64QAM	1	0	20.81	20.81	20.74						
15	64QAM	1	37	20.94	20.95	20.89						
15	64QAM	1	74	20.87	20.92	20.88	21.9	0				
15	64QAM	36	0	20.73	20.91	20.76						
15	64QAM	36	20	20.85	21.01	20.81						
15	64QAM	36	39	20.84	21.03	20.75						
15	64QAM	75	0	20.84	20.95	20.82	21.9	0				
Channel												
Frequency (MHz)												
18550 18800 19150												
10	QPSK	1	0	20.87	21.10	20.91	21.9	0				
10	QPSK	1	25	20.81	20.89	20.72						
10	QPSK	1	49	20.91	20.87	20.77						
10	QPSK	25	0	20.85	20.95	20.88						
10	QPSK	25	12	20.84	20.87	20.78	21.9	0				
10	QPSK	25	25	20.86	20.87	20.73						
10	QPSK	50	0	20.85	20.94	20.83						
10	16QAM	1	0	20.78	20.81	20.83						
10	16QAM	1	25	20.89	20.95	20.83	21.9	0				
10	16QAM	1	49	20.91	20.85	20.81						
10	16QAM	25	0	20.74	20.90	20.87						
10	16QAM	25	12	20.89	20.82	20.75						
10	16QAM	25	25	20.83	20.84	20.83	21.9	0				
10	16QAM	50	0	20.76	20.81	20.75						
10	64QAM	1	0	20.82	20.82	20.74						
10	64QAM	1	25	20.91	20.98	20.95						
10	64QAM	1	49	20.80	20.81	20.80	21.9	0				
10	64QAM	25	0	20.81	20.89	20.71						
10	64QAM	25	12	20.86	20.83	20.80						
10	64QAM	25	25	20.81	20.88	20.75						
10	64QAM	50	0	20.89	20.86	20.67	21.9	0				
Channel												
Frequency (MHz)												
18925 18900 19175												
5	QPSK	1	0	20.89	21.09	20.90	21.9	0				
5	QPSK	1	12	20.86	20.81	20.77						
5	QPSK	1	24	20.86	20.90	20.70						
5	QPSK	12	0	20.90	20.96	20.84						
5	QPSK	12	7	20.90	20.84	20.79	21.9	0				
5	QPSK	12	13	20.87	20.87	20.77						
5	QPSK	25	0	20.84	20.99	20.83						
5	16QAM	1	0	20.70	20.75	20.89						
5	16QAM	1	12	20.87	20.90	20.77	21.9	0				
5	16QAM	1	24	20.93	20.85	20.96						
5	16QAM	12	0	20.75	20.93	20.89						
5	16QAM	12	7	20.94	20.84	20.82						
5	16QAM	12	13	20.86	20.83	20.88	21.9	0				
5	16QAM	25	0	20.79	20.87	20.81						
5	64QAM	1	0	20.89	20.86	20.69						
5	64QAM	1	12	20.94	21.01	20.87						
5	64QAM	1	24	20.83	20.85	20.77	21.9	0				
5	64QAM	12	0	20.79	20.84	20.66						
5	64QAM	12	7	20.83	20.98	20.77						
5	64QAM	12	13	20.85	21.01	20.74						
5	64QAM	25	0	20.84	20.84	20.66	21.9	0				
Channel												
Frequency (MHz)												
18515 18900 19185												
3	QPSK	1	0	20.87	21.01	20.87	21.9	0				
3	QPSK	1	8	20.77	20.80	20.69						
3	QPSK	1	14	20.87	20.89	20.80						
3	QPSK	8	0	20.89	20.87	20.82						
3	QPSK	8	4	20.89	20.89	20.89	21.9	0				
3	QPSK	8	7	20.87	20.86	20.78						
3	QPSK	15	0	20.90	20.92	20.90						
3	16QAM	1	0	20.79	20.74	20.83						
3	16QAM	1	8	20.90	20.87	20.79	21.9	0				
3	16QAM	1	14	20.93	20.94	20.90						
3	16QAM	8	0	20.75	20.90	20.83						
3	16QAM	8	4	20.89	20.90	20.85						
3	16QAM	8	7	20.87	20.84	20.82	21.9	0				
3	16QAM	15	0	20.81	20.86	20.72						
3	64QAM	1	0	20.88	20.84	20.70						
3	64QAM	1	8	20.98	20.96	20.85						
3	64QAM	1	14	20.80	20.87	20.80	21.9	0				
3	64QAM	8	0	20.80	20.87	20.77						
3	64QAM	8	4	20.80	20.89	20.80						
3	64QAM	8	7	20.82	20.93	20.89						
3	64QAM	15	0	20.84	20.95	20.69	21.9	0				
Channel												
Frequency (MHz)												
18507 1880 1909.3												
1.4	QPSK	1	0	20.82	21.03	20.80	21.9	0				
1.4	QPSK	1	3	20.77	20.78	20.70						
1.4	QPSK	1	5	20.95	20.99	20.70						
1.4	QPSK	3	0	20.90	20.92	20.84						
1.4	QPSK	3	1	20.84	20.87	20.79	21.9	0				
1.4	QPSK	3	3	20.84	20.91	20.78						
1.4	QPSK	6	0	20.88	20.96	20.82						
1.4	16QAM	1	0	20.78	20.82	20.89						
1.4	16QAM	1	3	20.91	20.95	20.83	21.9	0				
1.4	16QAM	1	5	20.87	20.87	20.82						
1.4	16QAM	3	0	20.80	20.94	20.83						
1.4	16QAM	3	1	20.85	20.89	20.75						
1.4	16QAM	3	3	20.79	20.90	20.87	21.9	0				
1.4	16QAM	6	0	20.79	20.86	20.80						
1.4	64QAM	1	0	20.79	20.87	20.67						
1.4	64QAM	1	3	20.87	20.95	20.87						
1.4	64QAM	1	5	20.80	20.82	20.89	21.9	0				
1.4	64QAM	3	0	20.79	20.83	20.88						
1.4	64QAM	3	1	20.82	21.03	20.82						
1.4	64QAM	3	3	20.77	20.94	20.73						
1.4	64QAM	6	0	20.93	20.84	20.85	21.9	0				

Band 4 Ant 1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20550 20175 20300										
20	QPSK	1	0	20.90	21.03	20.83	21.9	0		
20	QPSK	1	49	20.85	20.79	20.71				
20	QPSK	1	99	20.92	20.93	20.75				
20	QPSK	50	0	20.93	21.01	20.83				
20	QPSK	50	24	20.92	20.91	20.73	21.9	0		
20	QPSK	50	50	20.86	20.91	20.72				
20	QPSK	100	0	20.91	20.88	20.67				
20	16QAM	1	0	20.73	20.81	20.84				
20	16QAM	1	49	20.82	20.93	20.84	21.9	0		
20	16QAM	1	99	20.87	20.92	20.96				
20	16QAM	50	0	20.73	20.99	20.87				
20	16QAM	50	24	20.93	20.86	20.77				
20	16QAM	50	50	20.78	20.92	20.97	21.9	0		
20	16QAM	100	0	20.74	20.92	20.70				
20	64QAM	1	0	20.89	20.84	20.73				
20	64QAM	1	49	20.92	21.01	20.90				



Band 25 Ant 1 DSIS									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.96	21.14	21.02			
20	QPSK	1	49	21.00	20.90	20.90	21.9	0	
20	QPSK	1	99	20.99	21.10	20.80			
20	QPSK	50	0	21.07	21.06	20.93			
20	QPSK	50	24	21.02	21.01	20.93	21.9	0	
20	QPSK	50	50	21.04	21.02	20.93			
20	QPSK	100	0	20.95	20.94	20.85			
20	16QAM	1	0	20.87	20.95	20.95			
20	16QAM	1	49	21.03	21.12	20.89	21.9	0	
20	16QAM	1	99	21.07	21.07	21.03			
20	16QAM	50	0	20.97	21.05	20.91			
20	16QAM	50	24	20.96	21.03	20.95	21.9	0	
20	16QAM	50	50	20.96	21.06	21.09			
20	16QAM	100	0	20.98	21.04	20.87			
20	64QAM	1	0	20.91	21.05	20.78			
20	64QAM	1	49	21.10	21.08	21.10	21.9	0	
20	64QAM	1	99	20.94	21.05	20.87			
20	64QAM	50	0	20.89	21.01	20.91			
20	64QAM	50	24	21.02	21.04	21.02	21.9	0	
20	64QAM	50	50	20.88	21.04	20.84			
20	64QAM	100	0	20.92	20.94	20.89			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.92	21.07	20.90			
15	QPSK	1	37	20.89	20.77	20.81	21.9	0	
15	QPSK	1	74	20.89	21.01	20.69			
15	QPSK	36	0	20.99	20.96	20.79			
15	QPSK	36	20	20.88	20.89	20.83	21.9	0	
15	QPSK	36	39	20.90	20.97	20.79			
15	QPSK	75	0	20.94	20.98	21.00			
15	16QAM	1	0	20.76	20.90	20.87			
15	16QAM	1	37	20.97	21.07	20.76	21.9	0	
15	16QAM	1	74	20.97	20.99	20.94			
15	16QAM	36	0	20.88	20.94	20.87			
15	16QAM	36	20	20.87	20.99	20.89	21.9	0	
15	16QAM	36	39	20.92	20.94	20.99			
15	16QAM	75	0	20.88	20.94	20.73			
15	64QAM	1	0	20.77	20.91	20.65			
15	64QAM	1	37	20.99	20.95	21.03	21.9	0	
15	64QAM	1	74	20.82	20.92	20.77			
15	64QAM	36	0	20.83	20.86	20.76			
15	64QAM	36	20	20.93	20.93	20.89	21.9	0	
15	64QAM	36	39	20.85	20.89	20.73			
15	64QAM	75	0	20.82	20.90	20.83			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.93	21.10	20.96			
10	QPSK	1	25	20.87	20.86	20.80	21.9	0	
10	QPSK	1	49	20.84	21.02	20.70			
10	QPSK	25	0	20.98	21.02	20.78			
10	QPSK	25	12	20.95	20.97	20.89	21.9	0	
10	QPSK	25	25	21.00	20.87	20.81			
10	QPSK	50	0	20.84	21.03	20.98			
10	16QAM	1	0	20.72	20.83	20.87			
10	16QAM	1	25	21.00	21.00	20.80	21.9	0	
10	16QAM	1	49	20.94	20.95	20.95			
10	16QAM	25	0	20.93	20.96	20.81			
10	16QAM	25	12	20.92	20.93	20.88	21.9	0	
10	16QAM	25	25	20.91	20.96	20.99			
10	16QAM	50	0	20.95	20.99	20.74			
10	64QAM	1	0	20.80	21.00	20.71			
10	64QAM	1	25	20.99	20.99	20.99	21.9	0	
10	64QAM	1	49	20.88	20.94	20.80			
10	64QAM	25	0	20.79	20.93	20.88			
10	64QAM	25	12	20.92	20.94	20.88	21.9	0	
10	64QAM	25	25	20.74	20.90	20.76			
10	64QAM	50	0	20.80	20.89	20.73			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.82	21.01	20.92			
5	QPSK	1	12	20.96	20.85	20.86	21.9	0	
5	QPSK	1	24	20.85	21.05	20.69			
5	QPSK	12	0	20.98	21.05	20.85			
5	QPSK	12	7	20.96	20.89	20.81	21.9	0	
5	QPSK	12	13	20.92	20.97	20.81			
5	QPSK	25	0	20.92	21.02	20.92			
5	16QAM	1	0	20.73	20.91	20.86			
5	16QAM	1	12	20.95	21.01	20.78	21.9	0	
5	16QAM	1	24	20.97	21.04	20.89			
5	16QAM	12	0	20.87	21.00	20.86			
5	16QAM	12	7	20.82	20.97	20.86	21.9	0	
5	16QAM	12	13	20.87	20.98	20.84			
5	16QAM	25	0	20.87	20.91	20.76			
5	64QAM	1	0	20.84	20.99	20.72			
5	64QAM	1	12	20.96	20.96	20.99	21.9	0	
5	64QAM	1	24	20.88	20.96	20.76			
5	64QAM	12	0	20.77	20.90	20.76			
5	64QAM	12	7	20.91	20.97	20.97	21.9	0	
5	64QAM	12	13	20.81	20.91	20.77			
5	64QAM	25	0	20.86	20.87	20.80			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.88	21.04	20.94			
3	QPSK	1	8	20.89	20.81	20.85	21.9	0	
3	QPSK	1	14	20.86	21.03	20.70			
3	QPSK	8	0	21.00	20.93	20.79			
3	QPSK	8	4	20.98	20.99	20.89	21.9	0	
3	QPSK	8	7	20.91	20.88	20.85			
3	QPSK	15	0	20.93	20.93	20.97			
3	16QAM	1	0	20.77	20.87	20.89			
3	16QAM	1	8	20.93	20.99	20.82	21.9	0	
3	16QAM	1	14	20.95	20.98	20.94			
3	16QAM	8	0	20.83	20.99	20.82			
3	16QAM	8	4	20.87	20.89	20.84	21.9	0	
3	16QAM	8	7	20.82	20.98	20.95			
3	16QAM	15	0	20.86	20.92	20.74			
3	64QAM	1	0	20.81	21.01	20.74			
3	64QAM	1	8	21.02	20.96	20.96	21.9	0	
3	64QAM	1	14	20.85	20.97	20.82			
3	64QAM	8	0	20.85	20.90	20.87			
3	64QAM	8	4	20.82	20.99	20.95	21.9	0	
3	64QAM	8	7	20.83	20.94	20.72			
3	64QAM	15	0	20.86	20.90	20.85			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.90	20.99	20.94			
1.4	QPSK	1	3	20.95	20.76	20.84	21.9	0	
1.4	QPSK	1	5	20.86	21.02	20.66			
1.4	QPSK	3	0	21.04	21.02	20.92			
1.4	QPSK	3	1	20.91	20.98	20.89	21.9	0	
1.4	QPSK	3	3	20.94	20.92	20.87			
1.4	QPSK	6	0	20.94	20.98	21.01	21.9	0	
1.4	16QAM	1	0	20.84	20.84	20.94			
1.4	16QAM	1	3	20.92	21.07	20.83			
1.4	16QAM	1	5	21.00	21.02	20.90	21.9	0	
1.4	16QAM	3	0	20.86	20.92	20.84			
1.4	16QAM	3	1	20.86	20.94	20.90			
1.4	16QAM	3	3	20.83	21.00	20.99			
1.4	16QAM	6	0	20.84	20.96	20.75	21.9	0	
1.4	64QAM	1	0	20.88	20.92	20.67			
1.4	64QAM	1	3	20.95	20.96	21.05			
1.4	64QAM	1	5	20.80	21.01	20.77	21.9	0	
1.4	64QAM	3	0	20.81	20.88	20.82			
1.4	64QAM	3	1	20.89	20.91	20.90	21.9	0	
1.4	64QAM	3	3	20.76	20.93	20.79			
1.4	64QAM	6	0	20.92	20.90	20.78	21.9	0	

Band 66 Ant 1 DSIS									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.85	21.07	20.94			
20	QPSK	1	49	20.96	20.85	20.86	21.9	0	
20	QPSK	1	99	20.92	21.00	20.98			
20	QPSK	50	0	20.93	21.04	20.81			
20	QPSK	50	24	20.90	20.91	20.80	21.9	0	



Band 38 Ant 1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.22	20.35	20.20	21.2	0		
20	QPSK	1	49	20.21	20.20	20.13				
20	QPSK	1	99	20.33	20.31	20.17				
20	QPSK	50	0	20.26	20.31	20.20	21.2	0		
20	QPSK	50	24	20.21	20.20	20.11				
20	QPSK	50	50	20.29	20.19	20.25				
20	QPSK	100	0	20.26	20.29	20.23	21.2	0		
20	16QAM	1	0	20.14	20.21	20.20				
20	16QAM	1	49	20.30	20.28	20.21				
20	16QAM	1	99	20.27	20.29	20.28	21.2	0		
20	16QAM	50	0	20.23	20.24	20.24				
20	16QAM	50	24	20.27	20.26	20.14				
20	16QAM	50	50	20.16	20.33	20.32	21.2	0		
20	16QAM	100	0	20.14	20.24	20.10				
20	64QAM	1	0	20.16	20.31	20.05				
20	64QAM	1	49	20.23	20.25	20.30	21.2	0		
20	64QAM	1	99	20.18	20.24	20.13				
20	64QAM	50	0	20.18	20.19	20.10				
20	64QAM	50	24	20.19	20.16	20.28	21.2	0		
20	64QAM	50	50	20.21	20.25	20.09				
20	64QAM	100	0	20.16	20.30	20.10				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2612.5				
15	QPSK	1	0	20.18	20.27	20.13	21.2	0		
15	QPSK	1	37	20.07	20.15	20.01				
15	QPSK	1	74	20.23	20.23	20.12				
15	QPSK	36	0	20.14	20.19	20.07	21.2	0		
15	QPSK	36	20	20.09	20.09	20.06				
15	QPSK	36	39	20.20	20.15	20.13				
15	QPSK	75	0	20.17	20.16	20.17	21.2	0		
15	16QAM	1	0	20.01	20.11	20.14				
15	16QAM	1	37	20.20	20.17	20.17				
15	16QAM	1	74	20.22	20.25	20.14	21.2	0		
15	16QAM	36	0	20.19	20.09	20.18				
15	16QAM	36	20	20.13	20.14	20.02				
15	16QAM	36	39	20.09	20.19	20.24	21.2	0		
15	16QAM	75	0	20.07	20.09	20.02				
15	64QAM	1	0	20.11	20.26	19.94				
15	64QAM	1	37	20.25	20.20	20.23	21.2	0		
15	64QAM	1	74	20.08	20.16	20.01				
15	64QAM	36	0	20.14	20.13	19.97				
15	64QAM	36	20	20.11	20.31	20.25	21.2	0		
15	64QAM	36	39	20.07	20.15	20.01				
15	64QAM	75	0	20.05	20.21	20.06				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.17	20.22	20.10	21.2	0		
10	QPSK	1	25	20.15	20.17	20.02				
10	QPSK	1	49	20.24	20.20	20.09				
10	QPSK	25	0	20.16	20.21	20.07	21.2	0		
10	QPSK	25	12	20.18	20.11	20.04				
10	QPSK	25	25	20.19	20.06	20.15				
10	QPSK	50	0	20.13	20.19	20.19	21.2	0		
10	16QAM	1	0	20.00	20.17	20.15				
10	16QAM	1	25	20.23	20.21	20.17				
10	16QAM	1	49	20.33	20.25	20.18	21.2	0		
10	16QAM	25	0	20.11	20.13	20.13				
10	16QAM	25	12	20.17	20.20	19.99				
10	16QAM	25	25	20.11	20.25	20.28	21.2	0		
10	16QAM	50	0	20.02	20.11	20.06				
10	64QAM	1	0	20.02	20.23	19.94				
10	64QAM	1	25	20.30	20.32	20.22	21.2	0		
10	64QAM	1	49	20.14	20.17	20.09				
10	64QAM	25	0	20.07	20.09	20.02				
10	64QAM	25	12	20.06	20.25	20.18	21.2	0		
10	64QAM	25	25	20.13	20.18	20.04				
10	64QAM	50	0	20.07	20.27	20.06				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.09	20.32	20.11	21.2	0		
5	QPSK	1	12	20.14	20.13	20.05				
5	QPSK	1	24	20.22	20.28	20.08				
5	QPSK	12	0	20.17	20.23	20.10	21.2	0		
5	QPSK	12	7	20.07	20.14	19.98				
5	QPSK	12	13	20.25	20.05	20.14				
5	QPSK	25	0	20.18	20.19	20.20	21.2	0		
5	16QAM	1	0	20.07	20.07	20.16				
5	16QAM	1	12	20.18	20.21	20.11				
5	16QAM	1	24	20.31	20.17	20.18	21.2	0		
5	16QAM	12	0	20.17	20.14	20.19				
5	16QAM	12	7	20.16	20.16	20.04				
5	16QAM	12	13	20.12	20.24	20.27	21.2	0		
5	16QAM	25	0	20.06	20.10	20.03				
5	64QAM	1	0	20.05	20.24	20.00				
5	64QAM	1	12	20.28	20.23	20.27	21.2	0		
5	64QAM	1	24	20.09	20.10	19.99				
5	64QAM	12	0	20.08	20.08	20.05				
5	64QAM	12	7	20.16	20.20	20.18	21.2	0		
5	64QAM	12	13	20.18	20.22	20.06				

Band 41 Ant 1 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.08	19.97	20.18	20.07	20.03	21.2	0		
20	QPSK	1	49	20.04	19.98	20.01	19.89	19.98				
20	QPSK	1	99	20.10	19.99	20.16	19.96	19.95				
20	QPSK	50	0	20.10	20.06	20.13	19.99	19.99	21.2	0		
20	QPSK	50	24	20.08	19.92	20.03	19.92	19.90				
20	QPSK	50	50	20.10	20.04	19.95	20.11	20.02				
20	QPSK	100	0	20.05	20.02	20.11	20.00	20.00	21.2	0		
20	16QAM	1	0	19.91	20.00	20.06	20.05	20.06				
20	16QAM	1	49	20.14	19.96	20.12	19.98	19.99				
20	16QAM	1	99	20.10	20.11	20.16	20.14	20.08	21.2	0		
20	16QAM	50	0	20.05	20.03	20.03	20.07	20.07				
20	16QAM	50	24	20.04	19.94	20.12	19.90	20.00				
20	16QAM	50	50	20.00	20.11	20.14	20.08	20.09	21.2	0		
20	16QAM	100	0	19.93	19.96	20.09	19.90	19.87				
20	64QAM	1	0	19.93	19.83	20.10	19.83	19.83				
20	64QAM	1	49	20.01	20.05	20.06	20.15	20.10	21.2	0		
20	64QAM	1	99	19.98	19.92	20.01	19.94	19.91				
20	64QAM	50	0	19.96	19.91	19.98	19.95	19.93				
20	64QAM	50	24	20.03	20.11	19.94	20.12	20.10	21.2	0		
20	64QAM	50	50	20.01	19.87	20.10	19.96	19.90				
20	64QAM	100	0	19.99	19.91	20.06	19.95	19.94				
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	19.99	19.84	20.12	19.99	19.96	21.20	0		
15	QPSK	1	37	19.94	19.83	19.95	19.94	19.91				
15	QPSK	1	74	20.00	19.87	20.08	19.83	19.86				
15	QPSK	36	0	20.07	19.97	20.07	19.91	19.85	21.2	0		
15	QPSK	36	20	19.97	19.88	19.90	19.88	19.81				
15	QPSK	36	39	20.02	19.96	19.84	19.99	19.98				
15	QPSK	75	0	19.98	19.96	20.07	19.89	19.91	21.2	0		
15	16QAM	1	0	19.78	19.94	19.98	20.00	19.94				
15	16QAM	1	37	20.07	19.88	20.01	19.87	19.95				
15	16QAM	1	74	20.07	20.04	20.09	20.10	19.98	21.2	0		
15	16QAM	36	0	19.98	19.93	19.97	19.95	19.93				
15	16QAM	36	20	19.90	19.86	19.99	19.81	19.89				
15	16QAM	36	39	19.96	20.07	20.00	19.95	20.14	21.2	0		
15	16QAM											

GSM850 Ant 2 DSIS

GSM850 TX Channel	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	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.40	27.27	27.55	28.50	18.40	18.27	18.55	19.50
GPRS 1 Tx slot	27.38	27.18	27.50	28.50	18.38	18.18	18.50	19.50
GPRS 2 Tx slots	24.21	24.09	24.40	25.50	18.21	18.09	18.40	19.50
GPRS 3 Tx slots	22.49	22.40	22.72	23.70	18.23	18.14	18.46	19.44
GPRS 4 Tx slots	21.60	21.79	21.44	22.50	18.60	18.79	18.44	19.50
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSIS

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	2034	833.4	843.6	
3GPP Rel 99 AMR 12.2Kbps	19.45	19.53	19.43	20.50
3GPP Rel 99 RMC 12.2Kbps	19.55	19.70	19.55	20.50
3GPP Rel 6 HSDPA Subtest-1	16.52	16.54	16.44	17.50
3GPP Rel 6 HSDPA Subtest-2	16.45	16.63	16.27	17.50
3GPP Rel 6 HSDPA Subtest-3	18.04	18.24	17.88	19.00
3GPP Rel 6 HSDPA Subtest-4	17.98	18.11	18.03	19.00
3GPP Rel 8 DC-HSDPA Subtest-1	16.45	16.39	16.38	17.50
3GPP Rel 8 DC-HSDPA Subtest-2	16.43	16.84	16.80	17.50
3GPP Rel 8 DC-HSDPA Subtest-3	17.90	18.16	17.98	19.00
3GPP Rel 8 DC-HSDPA Subtest-4	17.90	18.13	18.01	19.00
3GPP Rel 6 HSUPA Subtest-1	16.44	16.67	16.35	17.50
3GPP Rel 6 HSUPA Subtest-2	14.49	14.64	14.32	15.50
3GPP Rel 6 HSUPA Subtest-3	15.43	15.92	15.56	16.50
3GPP Rel 6 HSUPA Subtest-4	14.47	14.55	14.46	15.50
3GPP Rel 6 HSUPA Subtest-5	16.58	16.68	16.53	17.50



Band 5 Ant 2 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	19.88	20.04	19.91	21	0
10	QPSK	1	25	19.92	19.92	19.87		
10	QPSK	1	49	19.87	19.86	19.93	21	0
10	QPSK	25	0	19.91	19.98	19.97		
10	QPSK	25	12	19.82	19.74	19.91	21	0
10	QPSK	25	25	19.69	19.86	19.75		
10	QPSK	50	0	19.94	19.95	19.83	21	0
10	16QAM	1	0	19.91	19.72	19.85		
10	16QAM	1	25	19.94	20.03	19.86	21	0
10	16QAM	1	49	19.89	19.90	19.77		
10	16QAM	25	0	19.85	19.92	19.77	21	0
10	16QAM	25	12	19.78	19.75	19.93		
10	16QAM	25	25	19.88	19.91	19.97	21	0
10	16QAM	50	0	19.77	19.85	19.87		
10	64QAM	1	0	19.81	19.81	19.89	21	0
10	64QAM	1	25	19.96	19.97	19.92		
10	64QAM	1	49	19.91	19.90	19.85	21	0
10	64QAM	25	0	19.82	19.86	19.83		
10	64QAM	25	12	19.83	19.98	19.89	21	0
10	64QAM	25	25	19.95	19.93	19.83		
10	64QAM	50	0	19.90	19.95	19.85		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.01	19.92	19.83	21	0
5	QPSK	1	12	19.83	19.88	19.97		
5	QPSK	1	24	19.98	19.91	19.82	21	0
5	QPSK	12	0	19.99	19.96	19.96		
5	QPSK	12	7	19.71	19.89	19.89	21	0
5	QPSK	12	13	19.80	19.88	19.91		
5	QPSK	25	0	19.94	19.94	19.98	21	0
5	16QAM	1	0	19.72	19.76	19.81		
5	16QAM	1	12	19.97	20.03	19.86	21	0
5	16QAM	1	24	20.00	19.81	19.94		
5	16QAM	12	0	19.88	19.85	19.94	21	0
5	16QAM	12	7	19.78	19.90	19.81		
5	16QAM	12	13	19.86	20.02	19.86	21	0
5	16QAM	25	0	19.80	19.84	19.98		
5	64QAM	1	0	19.84	19.79	19.75	21	0
5	64QAM	1	12	19.90	20.01	20.03		
5	64QAM	1	24	19.99	19.78	19.89	21	0
5	64QAM	12	0	19.80	19.93	19.80		
5	64QAM	12	7	19.96	19.87	19.91	21	0
5	64QAM	12	13	19.90	19.88	19.83		
5	64QAM	25	0	19.70	19.90	19.83		
Channel				20416	20525	20635		
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	19.95	19.83	19.92	21	0
3	QPSK	1	8	19.88	19.79	19.86		
3	QPSK	1	14	19.82	19.90	20.00	21	0
3	QPSK	8	0	19.85	19.97	20.02		
3	QPSK	8	4	19.86	19.86	19.89	21	0
3	QPSK	8	7	19.70	19.95	19.94		
3	QPSK	15	0	19.88	19.79	19.81	21	0
3	16QAM	1	0	19.92	19.75	19.78		
3	16QAM	1	8	19.91	19.91	19.91	21	0
3	16QAM	1	14	19.97	19.81	19.94		
3	16QAM	8	0	19.92	19.78	19.72	21	0
3	16QAM	8	4	19.74	19.85	20.01		
3	16QAM	8	7	19.92	19.83	19.93	21	0
3	16QAM	15	0	19.74	19.91	19.87		
3	64QAM	1	0	19.73	19.76	19.88	21	0
3	64QAM	1	8	19.92	19.91	19.90		
3	64QAM	1	14	19.83	19.85	19.87	21	0
3	64QAM	8	0	19.97	19.97	19.86		
3	64QAM	8	4	20.02	19.89	19.87	21	0
3	64QAM	8	7	19.79	19.78	19.89		
3	64QAM	15	0	19.91	19.76	19.83		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	19.96	19.99	19.97	21	0
1.4	QPSK	1	3	19.73	19.80	19.85		
1.4	QPSK	1	5	19.92	19.78	19.81	21	0
1.4	QPSK	3	0	19.80	20.03	19.99		
1.4	QPSK	3	1	19.71	19.74	19.92	21	0
1.4	QPSK	3	3	19.71	19.91	19.84		
1.4	QPSK	6	0	19.80	19.87	19.90	21	0
1.4	16QAM	1	0	19.85	19.81	19.83		
1.4	16QAM	1	3	20.02	19.90	19.87	21	0
1.4	16QAM	1	5	19.97	20.00	19.93		
1.4	16QAM	3	0	19.79	19.91	19.89	21	0
1.4	16QAM	3	1	19.73	19.96	19.86		
1.4	16QAM	3	3	19.85	19.99	19.94	21	0
1.4	16QAM	6	0	19.73	19.77	19.83		
1.4	64QAM	1	0	19.82	19.87	19.91	21	0
1.4	64QAM	1	3	19.86	20.03	19.98		
1.4	64QAM	1	5	19.97	19.85	19.82	21	0
1.4	64QAM	3	0	20.01	19.78	19.79		
1.4	64QAM	3	1	19.92	19.98	19.96	21	0
1.4	64QAM	3	3	19.88	19.86	19.91		
1.4	64QAM	6	0	19.94	19.83	19.71	21	0

Band 12 Ant 2 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.27	21.34	21.26	22	0
10	QPSK	1	25	21.08	21.16	21.19		
10	QPSK	1	49	21.23	21.16	21.20	22	0
10	QPSK	25	0	21.22	21.32	21.17		
10	QPSK	25	12	21.12	21.14	21.07	22	0
10	QPSK	25	25	21.14	21.19	21.12		
10	QPSK	50	0	21.12	21.28	21.22	22	0
10	16QAM	1	0	21.08	21.10	20.99		
10	16QAM	1	25	21.30	21.26	21.32	22	0
10	16QAM	1	49	21.29	21.23	21.10		
10	16QAM	25	0	21.20	21.16	21.14	22	0
10	16QAM	25	12	21.16	21.21	21.27		
10	16QAM	25	25	21.20	21.20	21.28	22	0
10	16QAM	50	0	21.11	21.20	21.19		
10	64QAM	1	0	21.07	21.12	21.21	22	0
10	64QAM	1	25	21.18	21.27	21.31		
10	64QAM	1	49	21.24	21.10	21.15	22	0
10	64QAM	25	0	21.17	21.11	21.27		
10	64QAM	25	12	21.24	21.17	21.33	22	0
10	64QAM	25	25	21.20	21.18	21.25		
10	64QAM	50	0	21.27	21.22	21.20		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.15	21.29	21.15	22	0
5	QPSK	1	12	20.98	21.13	21.09		
5	QPSK	1	24	21.08	21.07	21.08	22	0
5	QPSK	12	0	21.14	21.27	21.03		
5	QPSK	12	7	21.08	21.05	20.94	22	0
5	QPSK	12	13	21.01	21.12	21.00		
5	QPSK	25	0	21.04	21.23	21.19	22	0
5	16QAM	1	0	21.04	20.95	20.86		
5	16QAM	1	12	21.18	21.12	21.25	22	0
5	16QAM	1	24	21.17	21.16	21.05		
5	16QAM	12	0	21.10	21.09	21.03	22	0
5	16QAM	12	7	21.12	21.17	21.14		
5	16QAM	12	13	21.05	21.09	21.16	22	0
5	16QAM	25	0	21.01	21.06	21.12		
5	64QAM	1	0	20.93	21.03	21.14	22	0
5	64QAM	1	12	21.08	21.17	21.21		
5	64QAM	1	24	21.11	21.07	21.04	22	0
5	64QAM	12	0	21.10	21.05	21.16		
5	64QAM	12	7	21.15	21.14	21.27	22	0
5	64QAM	12	13	21.07	21.12	21.21		
5	64QAM	25	0	21.16	21.08	20.90		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.20	21.31	21.21	22	0
3	QPSK	1	8	21.01	21.08	21.08		
3	QPSK	1	14	21.14	21.04	21.17	22	0
3	QPSK	8	0	21.16	21.23	21.06		
3	QPSK	8	4	21.05	21.10	21.02	22	0
3	QPSK	8	7	21.07	21.13	21.07		
3	QPSK	15	0	21.00	21.20	21.09	22	0
3	16QAM	1	0	21.00	20.99	20.85		
3	16QAM	1	8	21.25				



Band 17 Ant 2 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.12	21.19	21.08	22	0	
10	QPSK	1	25	21.00	21.04	21.06			
10	QPSK	1	49	21.09	21.12	21.09			
10	QPSK	25	0	21.07	21.16	21.12			
10	QPSK	25	12	20.99	21.06	21.03	22	0	
10	QPSK	25	25	20.96	21.15	20.99			
10	QPSK	50	0	21.06	21.10	21.07			
10	16QAM	1	0	21.06	20.98	20.89	22	0	
10	16QAM	1	25	21.15	21.10	21.16			
10	16QAM	1	49	21.14	21.11	21.07			
10	16QAM	25	0	21.03	21.06	20.98	22	0	
10	16QAM	25	12	21.00	21.09	21.08			
10	16QAM	25	25	21.06	21.13	21.07			
10	16QAM	50	0	20.98	21.08	21.10			
10	64QAM	1	0	20.98	21.00	21.10	22	0	
10	64QAM	1	25	21.13	21.02	21.04			
10	64QAM	1	49	21.08	21.03	21.10			
10	64QAM	25	0	21.14	21.01	21.10			
10	64QAM	25	12	21.10	21.12	21.10	22	0	
10	64QAM	25	25	21.05	21.06	21.10			
10	64QAM	50	0	21.16	21.05	20.97			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.01	21.06	21.00	22	0	
5	QPSK	1	12	20.94	20.94	20.93			
5	QPSK	1	24	21.04	21.01	20.98			
5	QPSK	12	0	20.93	21.11	21.04	22	0	
5	QPSK	12	7	20.96	21.01	20.91			
5	QPSK	12	13	20.93	21.08	20.89			
5	QPSK	25	0	20.98	21.02	20.97	22	0	
5	16QAM	1	0	21.02	20.88	20.81			
5	16QAM	1	12	21.00	21.04	21.06	22	0	
5	16QAM	1	24	20.99	21.02	20.97			
5	16QAM	12	0	20.90	20.98	20.88			
5	16QAM	12	7	20.91	21.00	21.03	22	0	
5	16QAM	12	13	20.98	21.09	21.08			
5	16QAM	25	0	20.84	21.00	21.06			
5	64QAM	1	0	20.88	20.92	20.95	22	0	
5	64QAM	1	12	21.07	21.10	21.11			
5	64QAM	1	24	20.96	20.95	21.03			
5	64QAM	12	0	21.09	20.96	21.01			
5	64QAM	12	7	20.98	21.04	21.00	22	0	
5	64QAM	12	13	20.93	20.95	20.95			
5	64QAM	25	0	21.05	20.97	20.91			

Band 26 Ant 2 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26785	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	19.88	20.11	19.94	21	0	
15	QPSK	1	37	19.79	20.00	19.89			
15	QPSK	1	74	20.10	20.00	19.96			
15	QPSK	36	0	20.02	20.09	19.96	21	0	
15	QPSK	36	20	19.83	20.04	20.03			
15	QPSK	36	39	19.84	19.96	19.99			
15	QPSK	75	0	20.04	20.05	19.96			
15	16QAM	1	0	19.88	19.95	19.83	21	0	
15	16QAM	1	37	19.95	19.98	19.95			
15	16QAM	1	74	19.99	20.10	20.06			
15	16QAM	36	0	19.98	19.99	19.88	21	0	
15	16QAM	36	20	19.95	20.07	19.87			
15	16QAM	36	39	19.92	19.98	20.04			
15	16QAM	75	0	19.97	20.02	20.00			
15	64QAM	1	0	19.82	19.87	19.90	21	0	
15	64QAM	1	37	20.05	19.99	19.80			
15	64QAM	1	74	20.06	20.05	19.94			
15	64QAM	36	0	20.01	19.84	20.09	21	0	
15	64QAM	36	20	19.93	20.07	20.10			
15	64QAM	36	39	19.87	19.93	20.03			
15	64QAM	75	0	20.03	19.93	19.78			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	19.87	20.08	19.88	21	0	
10	QPSK	1	25	19.92	19.98	19.97			
10	QPSK	1	49	19.96	19.96	20.03			
10	QPSK	25	0	20.03	20.00	20.08	21	0	
10	QPSK	25	12	19.92	19.91	19.83			
10	QPSK	25	25	19.82	19.91	19.83			
10	QPSK	50	0	19.98	19.95	19.91	21	0	
10	16QAM	1	0	19.88	19.94	19.83			
10	16QAM	1	25	20.02	20.03	20.10	21	0	
10	16QAM	1	49	20.00	19.92	19.92			
10	16QAM	25	0	19.92	19.98	19.90	21	0	
10	16QAM	25	12	19.86	19.93	19.91			
10	16QAM	25	25	19.92	19.96	19.91			
10	16QAM	50	0	19.79	19.94	19.87	21	0	
10	64QAM	1	0	19.85	20.01	20.01			
10	64QAM	1	25	19.99	19.85	19.90	21	0	
10	64QAM	1	49	20.10	19.91	19.96			
10	64QAM	25	0	19.95	19.99	19.93	21	0	
10	64QAM	25	12	19.97	20.03	19.96			
10	64QAM	25	25	20.01	20.07	19.88			
10	64QAM	50	0	20.07	19.95	19.89			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	19.92	20.05	19.97	21	0	
5	QPSK	1	12	19.89	19.97	20.04			
5	QPSK	1	24	20.02	20.01	19.94			
5	QPSK	12	0	19.97	20.05	20.10	21	0	
5	QPSK	12	7	19.97	20.01	19.96			
5	QPSK	12	13	19.87	20.03	19.84			
5	QPSK	25	0	20.04	20.02	19.91	21	0	
5	16QAM	1	0	19.95	19.86	19.80			
5	16QAM	1	12	20.07	19.98	20.05	21	0	
5	16QAM	1	24	19.89	19.92	19.91			
5	16QAM	12	0	20.00	20.06	20.03	21	0	
5	16QAM	12	7	20.00	19.88	19.95			
5	16QAM	12	13	19.92	19.93	19.91			
5	16QAM	25	0	19.96	19.95	20.07	21	0	
5	64QAM	1	0	19.85	19.89	20.04			
5	64QAM	1	12	20.01	19.93	19.90	21	0	
5	64QAM	1	24	19.87	19.95	19.96			
5	64QAM	12	0	19.94	19.91	19.83	21	0	
5	64QAM	12	7	19.87	19.96	20.10			
5	64QAM	12	13	19.94	20.02	19.99			
5	64QAM	25	0	20.04	19.95	19.86			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	19.99	20.06	19.96	21	0	
3	QPSK	1	8	19.89	20.05	20.03			
3	QPSK	1	14	20.07	19.93	20.07			
3	QPSK	8	0	20.04	20.07	20.08	21	0	
3	QPSK	8	4	19.98	20.01	19.94			
3	QPSK	8	7	19.88	19.97	19.92			
3	QPSK	15	0	19.94	19.95	19.95	21	0	
3	16QAM	1	0	19.91	19.78	19.91			
3	16QAM	1	8	19.92	20.06	19.95	21	0	
3	16QAM	1	14	19.95	20.09	19.98			
3	16QAM	8	0	19.88	19.97	19.96	21	0	
3	16QAM	8	4	19.93	20.08	19.90			
3	16QAM	8	7	19.87	20.06	19.93			
3	16QAM	15	0	19.89	19.93	20.00	21	0	
3	64QAM	1	0	19.92	19.84	20.10			
3	64QAM	1	8	20.07	19.83	20.01	21	0	
3	64QAM	1	14	20.07	20.07	19.94			
3	64QAM	8	0	20.00	19.99	19.97	21	0	
3	64QAM	8	4	19.85	19.97	20.06			
3	64QAM	8	7	20.06	19.92	20.05			
3	64QAM	15	0	20.05	19.97	19.78			
Channel									



Band 7 ENDC Ant 5 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	13.49	13.84	13.47	14.9	0	
20	QPSK	1	49	13.76	13.58	13.57			
20	QPSK	1	99	13.44	13.44	13.40			
20	QPSK	50	0	13.54	13.81	13.72	14.9	0	
20	QPSK	50	24	13.52	13.62	13.72			
20	QPSK	50	50	13.69	13.75	13.40			
20	QPSK	100	0	13.66	13.68	13.48	14.9	0	
20	16QAM	1	0	13.56	13.77	13.71			
20	16QAM	1	49	13.57	13.63	13.53			
20	16QAM	1	99	13.65	13.54	13.65	14.9	0	
20	16QAM	50	0	13.43	13.71	13.54			
20	16QAM	50	24	13.41	13.60	13.45			
20	16QAM	50	50	13.59	13.70	13.42	14.9	0	
20	16QAM	100	0	13.65	13.52	13.58			
20	64QAM	1	0	13.46	13.75	13.50			
20	64QAM	1	49	13.80	13.71	13.64	14.9	0	
20	64QAM	1	99	13.66	13.58	13.64			
20	64QAM	50	0	13.48	13.70	13.68			
20	64QAM	50	24	13.63	13.42	13.60	14.9	0	
20	64QAM	50	50	13.46	13.53	13.67			
20	64QAM	100	0	13.47	13.83	13.49			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.42	13.73	13.40	14.9	0	
15	QPSK	1	37	13.67	13.46	13.47			
15	QPSK	1	74	13.36	13.37	13.33			
15	QPSK	36	0	13.44	13.72	13.60	14.9	0	
15	QPSK	36	20	13.40	13.54	13.64			
15	QPSK	36	39	13.61	13.64	13.30			
15	QPSK	75	0	13.57	13.57	13.39	14.9	0	
15	16QAM	1	0	13.48	13.70	13.62			
15	16QAM	1	37	13.46	13.54	13.43			
15	16QAM	1	74	13.56	13.42	13.57	14.9	0	
15	16QAM	36	0	13.30	13.63	13.46			
15	16QAM	36	20	13.32	13.53	13.37			
15	16QAM	36	39	13.48	13.61	13.30	14.9	0	
15	16QAM	75	0	13.55	13.44	13.47			
15	64QAM	1	0	13.36	13.68	13.38			
15	64QAM	1	37	13.68	13.61	13.52	14.9	0	
15	64QAM	1	74	13.54	13.46	13.56			
15	64QAM	36	0	13.39	13.62	13.58			
15	64QAM	36	20	13.51	13.30	13.50	14.9	0	
15	64QAM	36	39	13.36	13.42	13.57			
15	64QAM	75	0	13.35	13.72	13.41			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.42	13.72	13.36	14.9	0	
10	QPSK	1	25	13.63	13.48	13.47			
10	QPSK	1	49	13.35	13.33	13.27			
10	QPSK	25	0	13.43	13.73	13.62	14.9	0	
10	QPSK	25	12	13.41	13.52	13.60			
10	QPSK	25	25	13.57	13.63	13.30			
10	QPSK	50	0	13.59	13.55	13.35	14.9	0	
10	16QAM	1	0	13.46	13.69	13.60			
10	16QAM	1	25	13.45	13.55	13.45			
10	16QAM	1	49	13.53	13.47	13.58	14.9	0	
10	16QAM	25	0	13.33	13.63	13.43			
10	16QAM	25	12	13.30	13.53	13.38			
10	16QAM	25	25	13.48	13.50	13.33	14.9	0	
10	16QAM	50	0	13.57	13.42	13.51			
10	64QAM	1	0	13.37	13.67	13.38			
10	64QAM	1	25	13.70	13.62	13.53	14.9	0	
10	64QAM	1	49	13.54	13.49	13.54			
10	64QAM	25	0	13.40	13.59	13.60			
10	64QAM	25	12	13.51	13.32	13.52	14.9	0	
10	64QAM	25	25	13.35	13.42	13.54			
10	64QAM	50	0	13.40	13.72	13.40			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.41	13.77	13.40	14.9	0	
5	QPSK	1	12	13.89	13.48	13.48			
5	QPSK	1	24	13.31	13.32	13.29			
5	QPSK	12	0	13.47	13.73	13.60	14.9	0	
5	QPSK	12	7	13.42	13.51	13.59			
5	QPSK	12	13	13.61	13.66	13.32			
5	QPSK	25	0	13.59	13.56	13.36	14.9	0	
5	16QAM	1	0	13.44	13.64	13.58			
5	16QAM	1	12	13.49	13.50	13.45			
5	16QAM	1	24	13.55	13.45	13.54	14.9	0	
5	16QAM	12	0	13.33	13.61	13.45			
5	16QAM	12	7	13.30	13.50	13.33			
5	16QAM	12	13	13.50	13.61	13.32	14.9	0	
5	16QAM	25	0	13.56	13.42	13.46			
5	64QAM	1	0	13.38	13.64	13.42			
5	64QAM	1	12	13.68	13.58	13.53	14.9	0	
5	64QAM	1	24	13.54	13.46	13.52			
5	64QAM	12	0	13.36	13.57	13.59			
5	64QAM	12	7	13.52	13.31	13.49	14.9	0	
5	64QAM	12	13	13.34	13.40	13.58			
5	64QAM	25	0	13.39	13.71	13.36			



GSM1900 Ant 6 DSIS

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	22.62	22.41	22.69	24.10	13.62	13.41	13.69	15.10
GPRS 1 Tx slot	22.55	22.85	22.96	24.10	13.55	13.85	13.96	15.10
GPRS 2 Tx slots	19.59	19.43	19.51	21.10	13.59	13.43	13.51	15.10
GPRS 3 Tx slots	17.87	17.57	17.58	19.30	13.61	13.31	13.32	15.04
GPRS 4 Tx slots	16.56	16.70	16.46	18.10	13.56	13.70	13.46	15.10
EDGE 1 Tx slot	22.68	22.29	22.41	24.10	13.68	13.29	13.41	15.10
EDGE 2 Tx slots	19.64	19.40	19.47	21.10	13.64	13.40	13.47	15.10
EDGE 3 Tx slots	17.84	17.67	17.85	19.30	13.58	13.41	13.59	15.04
EDGE 4 Tx slots	16.56	16.28	16.38	18.10	13.56	13.28	13.38	15.10

WCDMA II Ant 6 DSIS

WCDMA IV Ant 6 DSIS

Band TX Channel Rx Channel Frequency (MHz)	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
	9662	9800	9938		1537	1638	1738	
	1852.4	1880	1917.6		1712.4	1722.3	1752.6	
3GPP Rel 99 AMR 12.2Kbps	12.72	12.82	12.66	14.00	16.29	16.49	16.42	17.50
3GPP Rel 99 RMC 12.2Kbps	12.89	12.97	12.78	14.00	16.51	16.65	16.51	17.50
3GPP Rel 6 HSDPA Subtest-1	12.02	12.17	11.94	13.20	15.34	15.49	15.20	16.50
3GPP Rel 6 HSDPA Subtest-2	11.85	12.02	11.92	13.20	15.30	15.29	15.45	16.50
3GPP Rel 6 HSDPA Subtest-3	11.40	11.44	11.19	12.50	14.84	15.02	14.80	16.00
3GPP Rel 6 HSDPA Subtest-4	11.03	11.37	11.35	12.50	15.08	15.24	15.20	16.00
3GPP Rel 8 DC-HSDPA Subtest-1	12.09	12.21	12.08	13.20	15.20	15.49	15.44	16.50
3GPP Rel 8 DC-HSDPA Subtest-2	11.82	11.83	11.73	13.20	15.50	15.51	15.30	16.50
3GPP Rel 8 DC-HSDPA Subtest-3	11.19	11.36	11.11	12.50	14.88	14.93	15.03	16.00
3GPP Rel 8 DC-HSDPA Subtest-4	11.27	11.09	11.06	12.50	14.99	14.75	14.69	16.00
3GPP Rel 6 HSUPA Subtest-1	11.95	12.20	11.96	13.20	15.42	15.49	15.52	16.50
3GPP Rel 6 HSUPA Subtest-2	8.77	8.78	8.63	10.00	13.49	13.54	13.38	14.50
3GPP Rel 6 HSUPA Subtest-3	9.67	9.94	9.90	11.00	14.48	14.53	14.29	15.50
3GPP Rel 6 HSUPA Subtest-4	8.88	8.80	8.81	10.00	13.31	13.38	13.22	14.50
3GPP Rel 6 HSUPA Subtest-5	11.95	12.12	11.94	13.20	15.22	15.47	15.64	16.50



Band 2 Ant 6 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1850	1890	1910			
20	QPSK	1	49	12.70	12.67	12.71	14.2	0	
20	QPSK	1	99	12.82	12.74	12.81			
20	QPSK	50	0	12.83	12.85	12.80			
20	QPSK	50	24	12.70	12.73	12.74	14.2	0	
20	QPSK	50	50	12.74	12.84	12.70			
20	QPSK	100	0	12.77	12.83	12.80			
20	16QAM	1	0	12.67	12.74	12.61			
20	16QAM	1	49	12.81	12.81	12.83	14.2	0	
20	16QAM	1	99	12.89	12.82	12.78			
20	16QAM	50	0	12.76	12.75	12.74			
20	16QAM	50	24	12.70	12.75	12.87	14.2	0	
20	16QAM	50	50	12.74	12.84	12.84			
20	16QAM	100	0	12.73	12.80	12.85			
20	64QAM	1	0	12.71	12.71	12.72			
20	64QAM	1	49	12.85	12.92	12.89	14.2	0	
20	64QAM	1	99	12.88	12.74	12.79			
20	64QAM	50	0	12.82	12.73	12.80			
20	64QAM	50	24	12.88	12.81	12.92	14.2	0	
20	64QAM	50	50	12.75	12.72	12.82			
20	64QAM	100	0	12.92	12.73	12.86			
Channel									
Frequency (MHz)									
15	QPSK	1	0	1865	1890	1915			
15	QPSK	1	37	12.62	12.63	12.68	14.2	0	
15	QPSK	1	74	12.71	12.59	12.73			
15	QPSK	36	0	12.70	12.76	12.69			
15	QPSK	36	20	12.67	12.58	12.85	14.2	0	
15	QPSK	36	39	12.64	12.80	12.81			
15	QPSK	75	0	12.73	12.72	12.75			
15	16QAM	1	0	12.59	12.67	12.47			
15	16QAM	1	37	12.79	12.75	12.73	14.2	0	
15	16QAM	1	74	12.83	12.71	12.66			
15	16QAM	36	0	12.66	12.69	12.68			
15	16QAM	36	20	12.65	12.62	12.75	14.2	0	
15	16QAM	36	39	12.68	12.69	12.73			
15	16QAM	75	0	12.68	12.67	12.76			
15	64QAM	1	0	12.56	12.60	12.65			
15	64QAM	1	37	12.73	12.88	12.80	14.2	0	
15	64QAM	1	74	12.76	12.68	12.71			
15	64QAM	36	0	12.70	12.67	12.66			
15	64QAM	36	20	12.79	12.75	12.79	14.2	0	
15	64QAM	36	39	12.62	12.58	12.70			
15	64QAM	75	0	12.66	12.62	12.64			
Channel									
Frequency (MHz)									
10	QPSK	1	0	1855	1890	1905			
10	QPSK	1	25	12.78	12.83	12.78	14.2	0	
10	QPSK	1	49	12.71	12.68	12.69			
10	QPSK	25	0	12.79	12.76	12.67			
10	QPSK	25	12	12.56	12.67	12.64	14.2	0	
10	QPSK	25	25	12.67	12.70	12.61			
10	QPSK	50	0	12.72	12.73	12.77			
10	16QAM	1	0	12.63	12.65	12.49			
10	16QAM	1	25	12.84	12.76	12.80	14.2	0	
10	16QAM	1	49	12.82	12.72	12.64			
10	16QAM	25	0	12.68	12.67	12.59			
10	16QAM	25	12	12.60	12.64	12.83	14.2	0	
10	16QAM	25	25	12.65	12.77	12.70			
10	16QAM	50	0	12.67	12.75	12.77			
10	64QAM	1	0	12.65	12.85	12.65			
10	64QAM	1	25	12.71	12.69	12.84	14.2	0	
10	64QAM	1	49	12.63	12.69	12.88			
10	64QAM	25	0	12.78	12.68	12.88			
10	64QAM	25	12	12.78	12.74	12.79	14.2	0	
10	64QAM	25	25	12.66	12.59	12.76			
10	64QAM	50	0	12.88	12.59	12.55			
Channel									
Frequency (MHz)									
5	QPSK	1	0	1862.5	1890	1917.5			
5	QPSK	1	0	12.80	12.89	12.97	14.2	0	
5	QPSK	1	12	12.77	12.87	12.96			
5	QPSK	1	24	12.70	12.68	12.73			
5	QPSK	12	0	12.78	12.71	12.76	14.2	0	
5	QPSK	12	7	12.56	12.67	12.71			
5	QPSK	12	13	12.60	12.73	12.62			
5	QPSK	25	0	12.70	12.78	12.73			
5	16QAM	1	0	12.62	12.68	12.53			
5	16QAM	1	12	12.82	12.67	12.75	14.2	0	
5	16QAM	1	24	12.79	12.76	12.68			
5	16QAM	12	0	12.68	12.69	12.80			
5	16QAM	12	7	12.61	12.71	12.76	14.2	0	
5	16QAM	12	13	12.67	12.75	12.79			
5	16QAM	25	0	12.60	12.75	12.76			
5	64QAM	1	0	12.64	12.67	12.58			
5	64QAM	1	12	12.75	12.79	12.83	14.2	0	
5	64QAM	1	24	12.80	12.69	12.88			
5	64QAM	12	0	12.78	12.64	12.76			
5	64QAM	12	7	12.79	12.75	12.87	14.2	0	
5	64QAM	12	13	12.69	12.61	12.73			
5	64QAM	25	0	12.77	12.61	12.56			
Channel									
Frequency (MHz)									
3	QPSK	1	0	1851.5	1890	1908.5			
3	QPSK	1	0	12.77	12.85	12.88	14.2	0	
3	QPSK	1	8	12.59	12.55	12.56			
3	QPSK	1	14	12.73	12.70	12.75			
3	QPSK	8	0	12.68	12.71	12.67			
3	QPSK	8	4	12.67	12.63	12.67	14.2	0	
3	QPSK	8	7	12.60	12.79	12.61			
3	QPSK	15	0	12.64	12.76	12.67			
3	16QAM	1	0	12.59	12.66	12.54			
3	16QAM	1	8	12.82	12.72	12.76	14.2	0	
3	16QAM	1	14	12.77	12.79	12.74			
3	16QAM	8	0	12.64	12.70	12.65			
3	16QAM	8	4	12.63	12.67	12.77	14.2	0	
3	16QAM	8	7	12.61	12.71	12.75			
3	16QAM	15	0	12.60	12.76	12.81			
3	64QAM	1	0	12.58	12.66	12.58			
3	64QAM	1	8	12.74	12.88	12.80	14.2	0	
3	64QAM	1	14	12.82	12.68	12.86			
3	64QAM	8	0	12.75	12.61	12.67			
3	64QAM	8	4	12.84	12.70	12.84	14.2	0	
3	64QAM	8	7	12.61	12.62	12.61			
3	64QAM	15	0	12.85	12.62	12.61			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	1850.7	1890	1918.3			
1.4	QPSK	1	0	12.82	12.79	12.73	14.2	0	
1.4	QPSK	1	3	12.59	12.63	12.63			
1.4	QPSK	1	5	12.74	12.70	12.88			
1.4	QPSK	3	0	12.69	12.75	12.69			
1.4	QPSK	3	1	12.65	12.59	12.60			
1.4	QPSK	3	3	12.71	12.70	12.57	14.2	0	
1.4	QPSK	6	0	12.64	12.71	12.72			
1.4	16QAM	1	0	12.61	12.80	12.53			
1.4	16QAM	1	3	12.77	12.71	12.80	14.2	0	
1.4	16QAM	1	5	12.76	12.77	12.70			
1.4	16QAM	3	0	12.69	12.67	12.71			
1.4	16QAM	3	1	12.59	12.61	12.71	14.2	0	
1.4	16QAM	3	3	12.67	12.75	12.80			
1.4	16QAM	6	0	12.63	12.66	12.73	14.2	0	
1.4	64QAM	1	0	12.68	12.56	12.59			
1.4	64QAM	1	3	12.81	12.88	12.83	14.2	0	
1.4	64QAM	1	5	12.79	12.61	12.88			
1.4	64QAM	3	0	12.79	12.64	12.85			
1.4	64QAM	3	1	12.77	12.75	12.78	14.2	0	
1.4	64QAM	3	3	12.70	12.63	12.73			
1.4	64QAM	6	0	12.79	12.68	12.58	14.2	0	

Band 4 Ant 6 DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	2050	2075	2030			
20	QPSK	1	49	15.88	15.88	15.77	17.2	0	
20	QPSK	1							



Band 25 Ant 6 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	13.17	13.32	13.27	14.2	0
20	QPSK	1	49	13.03	13.09	13.07		
20	QPSK	1	99	13.11	13.10	13.19		
20	QPSK	50	0	13.19	13.24	13.17		
20	QPSK	50	24	13.09	13.04	13.01	14.2	0
20	QPSK	50	50	13.08	13.14	13.06		
20	QPSK	100	0	13.09	13.21	13.19		
20	16QAM	1	0	12.98	12.98	12.99		
20	16QAM	1	49	13.16	13.12	13.10	14.2	0
20	16QAM	1	99	13.31	13.19	13.04		
20	16QAM	50	0	13.08	13.11	13.00		
20	16QAM	50	24	13.06	13.09	13.24		
20	16QAM	50	50	13.09	13.13	13.10	14.2	0
20	16QAM	100	0	13.07	13.04	13.17		
20	64QAM	1	0	13.11	12.96	13.05		
20	64QAM	1	49	13.25	13.20	13.19		
20	64QAM	1	99	13.26	13.15	13.10	14.2	0
20	64QAM	50	0	13.26	13.10	13.13		
20	64QAM	50	24	13.20	13.15	13.15		
20	64QAM	50	50	13.04	13.11	13.03		
20	64QAM	100	0	13.23	13.07	13.08		
Channel								
Frequency (MHz)								
15	QPSK	1	0	13.04	13.15	13.20	14.2	0
15	QPSK	1	37	12.89	13.03	12.98		
15	QPSK	1	74	12.97	12.99	13.06		
15	QPSK	36	0	13.12	13.17	13.13		
15	QPSK	36	20	12.95	12.93	12.93	14.2	0
15	QPSK	36	39	13.00	13.03	13.02		
15	QPSK	75	0	12.98	13.13	13.13		
15	16QAM	1	0	12.94	12.92	12.92		
15	16QAM	1	37	13.20	12.99	12.99	14.2	0
15	16QAM	1	74	13.25	13.13	12.91		
15	16QAM	36	0	12.97	13.04	12.89		
15	16QAM	36	20	12.95	12.96	13.15		
15	16QAM	36	39	13.00	13.09	13.03	14.2	0
15	16QAM	75	0	12.95	13.00	13.06		
15	64QAM	1	0	12.99	12.85	12.94		
15	64QAM	1	37	13.15	13.13	13.09		
15	64QAM	1	74	13.21	13.02	12.98	14.2	0
15	64QAM	36	0	13.18	13.03	13.07		
15	64QAM	36	20	13.14	13.07	13.08		
15	64QAM	36	39	12.91	13.01	12.90		
15	64QAM	75	0	13.19	12.97	12.94		
Channel								
Frequency (MHz)								
10	QPSK	1	0	13.03	13.19	13.14	14.2	0
10	QPSK	1	25	12.99	12.98	13.00		
10	QPSK	1	49	13.04	13.04	13.12		
10	QPSK	25	0	13.08	13.12	13.08		
10	QPSK	25	12	13.02	12.96	12.93	14.2	0
10	QPSK	25	25	13.00	13.02	12.94		
10	QPSK	50	0	13.00	13.13	13.14		
10	16QAM	1	0	12.93	12.86	12.89		
10	16QAM	1	25	13.19	13.04	13.06	14.2	0
10	16QAM	1	49	13.16	13.12	12.91		
10	16QAM	25	0	12.93	13.04	12.92		
10	16QAM	25	12	12.99	13.06	13.10		
10	16QAM	25	25	13.02	12.99	12.96	14.2	0
10	16QAM	50	0	12.92	12.95	13.08		
10	64QAM	1	0	13.02	12.90	12.93		
10	64QAM	1	25	13.11	13.13	13.15		
10	64QAM	1	49	13.19	13.05	12.96	14.2	0
10	64QAM	25	0	13.12	13.05	12.98		
10	64QAM	25	12	13.16	13.12	13.02		
10	64QAM	25	25	13.00	13.03	12.90		
10	64QAM	50	0	13.19	12.98	12.96		
Channel								
Frequency (MHz)								
5	QPSK	1	0	13.03	13.24	13.24	14.2	0
5	QPSK	1	12	12.94	13.00	12.93		
5	QPSK	1	24	13.02	13.04	13.10		
5	QPSK	12	0	13.13	13.09	13.11		
5	QPSK	12	7	12.99	12.95	12.89	14.2	0
5	QPSK	12	13	12.99	13.02	12.92		
5	QPSK	25	0	13.06	13.11	13.07		
5	16QAM	1	0	12.88	12.94	12.94		
5	16QAM	1	12	13.26	13.01	13.05	14.2	0
5	16QAM	1	24	13.17	13.11	12.97		
5	16QAM	12	0	13.02	13.00	12.90		
5	16QAM	12	7	13.02	12.98	13.11		
5	16QAM	12	13	12.99	13.01	13.01	14.2	0
5	16QAM	25	0	12.93	13.00	13.12		
5	64QAM	1	0	13.00	12.83	12.92		
5	64QAM	1	12	13.19	13.17	13.04		
5	64QAM	1	24	13.18	13.04	13.00	14.2	0
5	64QAM	12	0	13.14	12.95	13.02		
5	64QAM	12	7	13.06	13.08	13.06		
5	64QAM	12	13	12.99	13.03	12.90		
5	64QAM	25	0	13.19	13.01	12.96		
Channel								
Frequency (MHz)								
3	QPSK	1	0	13.07	13.13	13.15	14.2	0
3	QPSK	1	8	12.94	12.96	12.98		
3	QPSK	1	14	13.05	12.98	13.14		
3	QPSK	8	0	13.10	13.18	13.07		
3	QPSK	8	4	13.04	12.89	12.93	14.2	0
3	QPSK	8	7	13.01	13.07	12.96		
3	QPSK	15	0	12.95	13.17	13.10		
3	16QAM	1	0	12.83	12.84	12.87		
3	16QAM	1	8	13.18	12.97	12.96	14.2	0
3	16QAM	1	14	13.25	13.09	12.99		
3	16QAM	8	0	13.01	12.97	12.91		
3	16QAM	8	4	12.92	13.04	13.16		
3	16QAM	8	7	12.98	13.04	13.01	14.2	0
3	16QAM	15	0	13.02	13.00	13.12		
3	64QAM	1	0	13.00	12.84	13.00		
3	64QAM	1	8	13.14	13.11	13.04		
3	64QAM	1	14	13.13	13.08	13.02	14.2	0
3	64QAM	8	0	13.19	13.07	13.07		
3	64QAM	8	4	13.11	13.03	13.01		
3	64QAM	8	7	12.99	13.06	12.97		
3	64QAM	15	0	13.12	12.97	13.05		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	13.11	13.19	13.19	14.2	0
1.4	QPSK	1	3	12.92	12.96	13.02		
1.4	QPSK	1	5	12.99	13.06	13.05		
1.4	QPSK	3	0	13.08	13.19	13.06		
1.4	QPSK	3	1	12.99	12.97	12.88	14.2	0
1.4	QPSK	3	3	13.04	13.07	13.01		
1.4	QPSK	6	0	13.03	13.11	13.11		
1.4	16QAM	1	0	12.91	12.85	12.87		
1.4	16QAM	1	3	13.24	13.07	12.97	14.2	0
1.4	16QAM	1	5	13.17	13.11	12.91		
1.4	16QAM	3	0	12.98	13.00	12.89		
1.4	16QAM	3	1	12.97	12.99	13.20		
1.4	16QAM	3	3	13.05	13.08	13.00	14.2	0
1.4	16QAM	6	0	13.01	12.99	13.06		
1.4	64QAM	1	0	12.98	12.91	13.01		
1.4	64QAM	1	3	13.17	13.06	13.12		
1.4	64QAM	1	5	13.21	13.04	13.07	14.2	0
1.4	64QAM	3	0	13.18	12.97	13.04		
1.4	64QAM	3	1	13.05	13.11	13.10		
1.4	64QAM	3	3	12.93	12.99	12.95		
1.4	64QAM	6	0	13.08	13.01	12.94		

Band 66 Ant 6 DSI5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	16.00	16.13	16.04	17.2	0
20	QPSK	1	49	15.88	15.92	15.85		
20	QPSK	1	99	15.90	15.96	15.94		
20	QPSK	50	0	16.01	16.06	16.01		
20	QPSK	50	24	15.91	15.81	15.87	17.2	0
20	QPSK	50	50	15.94	15.98	15.87		
20	QPSK	100	0	15.95	16.02	15.93		
20	16QAM	1	0	15.74	15.75	15.78		
20	16QAM	1	49	16.06	15.93	15.92	17.2	0
20	16QAM	1	99	16.09	15.99	15.82		
20	16QAM	50	0	15.95	15.89	15.80		
20	16QAM	50	24	15.82	15.89	16.06		
20	16QAM	50	50	15.90	15.93	15.86	17.2	0
20	16QAM	100	0	15.87	15.90	16.00		
20	64QAM	1	0	15.86	15.76	15.89		
20	64QAM	1	49	16.06	16.00	15.96		
20	64QAM	1	99	15.93	15.95	15.89	17.2	0
20	64QAM	50	0	16.01	15.92	15.89		
20	64QAM	50	24	16.05	15.98	15.99		
20	64QAM	50	50	15.82	15.98	15.88		
20	64QAM	100	0	16.03	15.88	15.90		
Channel								
Frequency (MHz)								
15	QPSK	1	0	15.85	16.04	15.91	17.2	0
15	QPSK	1	37	15.76	15.85			



Band 38 Ant 6 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	13.87	13.95	13.86	14.9	0		
20	QPSK	1	49	13.75	13.74	13.62				
20	QPSK	1	99	13.65	13.72	13.76				
20	QPSK	50	0	13.86	13.87	13.78				
20	QPSK	50	24	13.72	13.66	13.68				
20	QPSK	50	50	13.70	13.76	13.63				
20	QPSK	100	0	13.76	13.79	13.74				
20	16QAM	1	0	13.59	13.58	13.63				
20	16QAM	1	49	13.90	13.76	13.77				
20	16QAM	1	99	13.78	13.74	13.65				
20	16QAM	50	0	13.74	13.69	13.63	14.9	0		
20	16QAM	50	24	13.65	13.64	13.82				
20	16QAM	50	50	13.69	13.69	13.63				
20	16QAM	100	0	13.63	13.72	13.87				
20	64QAM	1	0	13.66	13.53	13.64				
20	64QAM	1	49	13.81	13.87	13.76				
20	64QAM	1	99	13.93	13.85	13.67				
20	64QAM	50	0	13.85	13.70	13.76				
20	64QAM	50	24	13.87	13.85	13.77				
20	64QAM	50	50	13.64	13.85	13.65				
20	64QAM	100	0	13.88	13.70	13.74				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	13.79	13.87	13.76	14.9	0		
15	QPSK	1	37	13.66	13.68	13.56				
15	QPSK	1	74	13.52	13.66	13.67				
15	QPSK	36	0	13.81	13.74	13.74				
15	QPSK	36	20	13.61	13.56	13.65				
15	QPSK	36	39	13.56	13.73	13.59				
15	QPSK	75	0	13.65	13.67	13.68				
15	16QAM	1	0	13.44	13.54	13.54				
15	16QAM	1	37	13.80	13.71	13.69				
15	16QAM	1	74	13.83	13.65	13.61				
15	16QAM	36	0	13.64	13.66	13.48	14.9	0		
15	16QAM	36	20	13.61	13.51	13.68				
15	16QAM	36	39	13.60	13.62	13.59				
15	16QAM	75	0	13.51	13.64	13.73				
15	64QAM	1	0	13.56	13.39	13.58				
15	64QAM	1	37	13.73	13.72	13.69				
15	64QAM	1	74	13.86	13.80	13.54				
15	64QAM	36	0	13.79	13.57	13.69				
15	64QAM	36	20	13.83	13.79	13.70				
15	64QAM	36	39	13.54	13.76	13.61				
15	64QAM	75	0	13.80	13.66	13.63				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	13.72	13.80	13.73	14.9	0		
10	QPSK	1	25	13.67	13.67	13.58				
10	QPSK	1	49	13.52	13.66	13.65				
10	QPSK	25	0	13.77	13.83	13.65				
10	QPSK	25	12	13.68	13.57	13.60				
10	QPSK	25	25	13.64	13.64	13.54				
10	QPSK	50	0	13.61	13.70	13.64				
10	16QAM	1	0	13.53	13.49	13.59				
10	16QAM	1	25	13.80	13.65	13.66				
10	16QAM	1	49	13.82	13.70	13.54				
10	16QAM	25	0	13.64	13.66	13.54	14.9	0		
10	16QAM	25	12	13.56	13.51	13.69				
10	16QAM	25	25	13.62	13.63	13.53				
10	16QAM	50	0	13.60	13.62	13.81				
10	64QAM	1	0	13.58	13.44	13.53				
10	64QAM	1	25	13.72	13.79	13.62				
10	64QAM	1	49	13.78	13.71	13.56				
10	64QAM	25	0	13.75	13.56	13.62				
10	64QAM	25	12	13.77	13.74	13.64				
10	64QAM	25	25	13.58	13.70	13.62				
10	64QAM	50	0	13.75	13.56	13.61				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	13.83	13.91	13.73	14.9	0		
5	QPSK	1	12	13.61	13.60	13.52				
5	QPSK	1	24	13.57	13.60	13.68				
5	QPSK	12	0	13.72	13.78	13.75				
5	QPSK	12	7	13.58	13.61	13.61				
5	QPSK	12	13	13.63	13.64	13.58				
5	QPSK	25	0	13.67	13.66	13.66				
5	16QAM	1	0	13.44	13.51	13.58				
5	16QAM	1	12	13.85	13.69	13.68				
5	16QAM	1	24	13.81	13.69	13.60				
5	16QAM	12	0	13.63	13.58	13.58	14.9	0		
5	16QAM	12	7	13.59	13.50	13.79				
5	16QAM	12	13	13.58	13.56	13.49				
5	16QAM	25	0	13.57	13.64	13.82				
5	64QAM	1	0	13.59	13.48	13.51				
5	64QAM	1	12	13.70	13.78	13.71				
5	64QAM	1	24	13.80	13.78	13.63				
5	64QAM	12	0	13.74	13.57	13.72				
5	64QAM	12	7	13.82	13.72	13.72				
5	64QAM	12	13	13.57	13.74	13.51				
5	64QAM	25	0	13.79	13.57	13.61				

Band 41 Ant 6 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	13.96	13.87	14.00	13.94	13.89	14.9	0		
20	QPSK	1	49	13.81	13.84	13.76	13.85	13.83				
20	QPSK	1	99	13.67	13.69	13.77	13.69	13.73				
20	QPSK	50	0	13.96	13.96	13.99	13.93	13.95				
20	QPSK	50	24	13.77	13.79	13.70	13.83	13.83				
20	QPSK	50	50	13.70	13.71	13.85	13.76	13.80				
20	QPSK	100	0	13.85	13.83	13.90	13.87	13.80				
20	16QAM	1	0	13.67	13.60	13.70	13.60	13.67				
20	16QAM	1	49	13.94	13.92	13.85	13.96	13.91				
20	16QAM	1	99	13.78	13.87	13.77	13.81	13.86				
20	16QAM	50	0	13.82	13.77	13.72	13.74	13.78	14.9	0		
20	16QAM	50	24	13.74	13.68	13.65	13.76	13.67				
20	16QAM	50	50	13.77	13.74	13.80	13.71	13.70				
20	16QAM	100	0	13.74	13.72	13.76	13.64	13.65				
20	64QAM	1	0	13.78	13.71	13.57	13.66	13.75				
20	64QAM	1	49	13.91	13.87	13.88	13.88	13.92				
20	64QAM	1	99	13.96	13.98	13.94	13.95	13.97				
20	64QAM	50	0	13.92	13.93	13.71	13.91	13.86				
20	64QAM	50	24	13.88	13.98	13.93	13.97	13.90				
20	64QAM	50	50	13.70	13.70	13.96	13.66	13.72				
20	64QAM	100	0	13.91	13.95	13.71	13.91	13.94				
Channel				39725	40173	40620	41061	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	13.88	13.82	13.94	13.91	13.77	14.90	0		
15	QPSK	1	37	13.73	13.79	13.62	13.70	13.78				
15	QPSK	1	74	13.69	13.61	13.63	13.60	13.60				
15	QPSK	36	0	13.84	13.89	13.94	13.85	13.82				
15	QPSK	36	20	13.67	13.66	13.61	13.76	13.73				
15	QPSK	36	39	13.66	13.62	13.79	13.62	13.71				
15	QPSK	75	0	13.72	13.71	13.84	13.76	13.76				
15	16QAM	1	0	13.53	13.55	13.66	13.51	13.52				
15	16QAM	1	37	13.81	13.79	13.79	13.93	13.84				
15	16QAM	1	74	13.72	13.83	13.67	13.73	13.75				
15	16QAM	36	0	13.68	13.63	13.68	13.60	13.72	14.9	0		
15	16QAM	36	20	13.66	13.65	13.60	13.65	13.63				
15	16QAM	36	39	13.71	13.67	13.76	13.60	13.60				
15	16QAM	75	0	13.60	13.61	13.66	13.51	13.52				
15	64QAM	1	0	13.71	13.67	13.48	13.59	13.65				
15	64QAM	1	37	13.79	13.77	13.74	13.81	13.86				
15	64QAM	1	74	13.82	13.85	13.80	13.89	13.87				
15	64QAM	36	0	13.77	13.81	13.58	13.81	13.78				
15	64QAM	36										

Reduced Power Level for DSI 7

GSM850 Ant 0 DSI7								
GSM850 TX Channel	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	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.63	30.83	30.81	32.00	21.63	21.83	21.81	23.00
GPRS 1 Tx slot	30.55	30.60	30.81	32.00	21.55	21.60	21.81	23.00
GPRS 2 Tx slots	27.01	27.03	27.10	29.00	21.01	21.03	21.10	23.00
GPRS 3 Tx slots	25.24	25.26	25.38	27.20	20.98	21.00	21.12	22.94
GPRS 4 Tx slots	24.06	24.13	24.02	26.00	21.06	21.13	21.02	23.00
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI7				
Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kops	22.14	22.19	22.10	23.00
3GPP Rel 99 RMC 12.2Kops	22.21	22.26	22.17	23.00
3GPP Rel 6 HSDPA Subtest-1	18.83	18.95	18.84	20.00
3GPP Rel 6 HSDPA Subtest-2	18.88	18.96	18.87	20.00
3GPP Rel 6 HSDPA Subtest-3	20.43	20.47	20.36	21.50
3GPP Rel 6 HSDPA Subtest-4	20.22	20.53	20.38	21.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.79	19.04	18.83	20.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.76	18.92	18.95	20.00
3GPP Rel 8 DC-HSDPA Subtest-3	20.25	20.44	20.38	21.50
3GPP Rel 8 DC-HSDPA Subtest-4	20.30	20.50	20.44	21.50
3GPP Rel 6 HSUPA Subtest-1	18.83	18.92	18.86	20.00
3GPP Rel 6 HSUPA Subtest-2	16.80	16.93	16.91	18.00
3GPP Rel 6 HSUPA Subtest-3	17.75	18.05	17.93	19.00
3GPP Rel 6 HSUPA Subtest-4	16.81	16.96	16.84	18.00
3GPP Rel 6 HSUPA Subtest-5	18.82	18.96	18.95	20.00



Band 5 Ant 0 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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	22.10	22.30	22.26	23	0		
10	QPSK	1	25	22.15	22.14	22.13				
10	QPSK	1	49	22.16	22.16	22.18	23	0		
10	QPSK	25	0	22.15	22.27	22.15				
10	QPSK	25	12	22.17	22.12	22.14	23	0		
10	QPSK	25	25	22.23	22.12	22.22				
10	QPSK	50	0	22.22	22.23	22.20	23	0		
10	16QAM	1	0	22.04	22.08	22.13				
10	16QAM	1	25	22.19	22.23	22.21	23	0		
10	16QAM	1	49	22.18	22.16	22.11				
10	16QAM	25	0	22.05	22.10	22.14	23	0		
10	16QAM	25	12	22.15	22.18	22.20				
10	16QAM	25	25	22.11	22.14	22.27	23	0		
10	16QAM	50	0	22.11	22.12	22.14				
10	64QAM	1	0	22.08	22.19	22.14	23	0		
10	64QAM	1	25	22.23	22.25	22.29				
10	64QAM	1	49	22.19	22.11	22.29	23	0		
10	64QAM	25	0	21.63	21.70	21.62				
10	64QAM	25	12	21.51	21.60	21.52	22.5	0.5		
10	64QAM	25	25	21.50	21.55	21.47				
10	64QAM	50	0	21.47	21.61	21.47				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.99	22.18	22.18	23	0		
5	QPSK	1	12	22.12	22.01	22.04				
5	QPSK	1	24	22.03	22.06	22.14	23	0		
5	QPSK	12	0	22.12	22.23	22.03				
5	QPSK	12	7	22.07	22.09	22.10	23	0		
5	QPSK	12	13	22.15	22.04	22.13				
5	QPSK	25	0	22.14	22.10	22.10	23	0		
5	16QAM	1	0	21.92	22.02	22.01				
5	16QAM	1	12	22.12	22.18	22.11	23	0		
5	16QAM	1	24	22.12	22.13	22.23				
5	16QAM	12	0	21.99	21.99	22.01	23	0		
5	16QAM	12	7	22.09	22.06	22.12				
5	16QAM	12	13	22.05	22.09	22.13	23	0		
5	16QAM	25	0	22.02	21.99	22.03				
5	64QAM	1	0	21.96	22.14	22.06	23	0		
5	64QAM	1	12	22.20	22.11	22.17				
5	64QAM	1	24	22.06	22.01	22.15	22.5	0.5		
5	64QAM	12	0	21.60	21.59	21.47				
5	64QAM	12	7	21.43	21.56	21.48	22.5	0.5		
5	64QAM	12	13	21.46	21.43	21.44				
5	64QAM	25	0	21.35	21.50	21.37				
Channel				20416	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	22.03	22.26	22.14	23	0		
3	QPSK	1	8	22.02	22.04	22.00				
3	QPSK	1	14	22.10	22.05	22.09	23	0		
3	QPSK	8	0	22.10	22.17	22.07				
3	QPSK	8	4	22.09	21.98	22.03	23	0		
3	QPSK	8	7	22.16	21.99	22.10				
3	QPSK	15	0	22.18	22.11	22.12	23	0		
3	16QAM	1	0	22.00	21.97	22.04				
3	16QAM	1	8	22.16	22.09	22.14	23	0		
3	16QAM	1	14	22.12	22.08	22.23				
3	16QAM	8	0	21.95	21.98	22.09	23	0		
3	16QAM	8	4	22.06	22.05	22.17				
3	16QAM	8	7	22.01	22.11	22.17	23	0		
3	16QAM	15	0	22.02	21.98	22.06				
3	64QAM	1	0	21.99	22.15	22.02	23	0		
3	64QAM	1	8	22.14	22.18	22.25				
3	64QAM	1	14	22.07	22.06	22.17	22.5	0.5		
3	64QAM	8	0	21.49	21.56	21.50				
3	64QAM	8	4	21.37	21.51	21.46	22.5	0.5		
3	64QAM	8	7	21.44	21.51	21.33				
3	64QAM	15	0	21.40	21.51	21.40				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	22.01	22.15	22.11	23	0		
1.4	QPSK	1	3	22.11	22.08	22.00				
1.4	QPSK	1	5	22.09	22.08	22.08	23	0		
1.4	QPSK	3	0	22.03	22.13	22.10				
1.4	QPSK	3	1	22.05	22.04	22.09	23	0		
1.4	QPSK	3	3	22.18	22.08	22.15				
1.4	QPSK	6	0	22.08	22.15	22.14	23	0		
1.4	16QAM	1	0	21.98	21.94	22.05				
1.4	16QAM	1	3	22.09	22.12	22.08	23	0		
1.4	16QAM	1	5	22.04	22.06	22.25				
1.4	16QAM	3	0	21.97	21.99	22.06	23	0		
1.4	16QAM	3	1	22.08	22.08	22.07				
1.4	16QAM	3	3	21.98	22.09	22.19	23	0		
1.4	16QAM	6	0	22.05	22.08	22.03				
1.4	64QAM	1	0	21.95	22.09	22.00	23	0		
1.4	64QAM	1	3	22.13	22.22	22.15				
1.4	64QAM	1	5	22.11	22.02	22.16	23	0		
1.4	64QAM	3	0	22.08	22.19	22.07				
1.4	64QAM	3	1	21.89	21.98	22.00	22.5	0.5		
1.4	64QAM	3	3	22.14	22.12	22.15				
1.4	64QAM	6	0	21.40	21.57	21.33				

Band 12 Ant 0 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				23600	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.95	22.21	22.12	23	0		
10	QPSK	1	25	21.95	22.02	21.94				
10	QPSK	1	49	21.98	22.06	22.01	23	0		
10	QPSK	25	0	21.97	22.15	22.02				
10	QPSK	25	12	22.08	21.95	22.03	23	0		
10	QPSK	25	25	22.05	22.10	22.03				
10	QPSK	50	0	22.08	22.14	22.07	23	0		
10	16QAM	1	0	21.95	21.95	22.04				
10	16QAM	1	25	22.11	22.14	22.04	23	0		
10	16QAM	1	49	22.08	21.97	22.12				
10	16QAM	25	0	21.95	22.00	22.05	23	0		
10	16QAM	25	12	21.98	22.08	22.08				
10	16QAM	25	25	21.93	22.01	22.14	23	0		
10	16QAM	50	0	21.92	21.93	21.99				
10	64QAM	1	0	21.91	22.07	21.98	23	0		
10	64QAM	1	25	22.14	22.13	22.17				
10	64QAM	1	49	22.01	22.00	22.18	23	0		
10	64QAM	25	0	21.67	21.77	21.64				
10	64QAM	25	12	21.57	21.65	21.60	22.5	0.5		
10	64QAM	25	25	21.69	21.73	21.64				
10	64QAM	50	0	21.50	21.63	21.55				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.91	22.07	22.02	23	0		
5	QPSK	1	12	21.92	21.92	21.86				
5	QPSK	1	24	21.92	21.95	21.94	23	0		
5	QPSK	12	0	21.89	22.06	21.87				
5	QPSK	12	7	21.93	21.95	22.00	23	0		
5	QPSK	12	13	21.97	22.00	21.94				
5	QPSK	25	0	21.89	22.01	21.98	23	0		
5	16QAM	1	0	21.79	21.87	21.91				
5	16QAM	1	12	22.03	22.09	21.92	23	0		
5	16QAM	1	24	21.97	21.87	22.08				
5	16QAM	12	0	21.88	21.97	21.92	23	0		
5	16QAM	12	7	21.88	21.94	22.01				
5	16QAM	12	13	21.79	21.92	22.05	23	0		
5	16QAM	25	0	21.86	21.88	21.87				
5	64QAM	1	0	21.86	22.00	21.88	23	0		
5	64QAM	1	12	22.10	22.06	22.09				
5	64QAM	1	24	21.82	21.97	22.13	22.5	0.5		
5	64QAM	12	0	21.56	21.67	21.50				
5	64QAM	12	7	21.50	21.53	21.54	22.5	0.5		
5	64QAM	12	13	21.63	21.62	21.55				
5	64QAM	25	0	21.44	21.53	21.42				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5			</	



Band 17 Ant 0 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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.90	22.16	22.10	23	0	
10	QPSK	1	25	21.81	21.94	21.99			
10	QPSK	1	49	21.95	22.01	21.91	23	0	
10	QPSK	25	0	21.94	22.12	22.06			
10	QPSK	25	12	21.99	21.80	21.84	23	0	
10	QPSK	25	25	21.91	22.03	22.10			
10	QPSK	50	0	22.02	22.07	22.00	23	0	
10	16QAM	1	0	21.73	21.85	21.83			
10	16QAM	1	25	22.00	22.08	22.05	23	0	
10	16QAM	1	49	21.94	21.91	21.93			
10	16QAM	25	0	21.83	21.91	21.88	23	0	
10	16QAM	25	12	21.92	22.03	22.00			
10	16QAM	25	25	21.81	21.89	21.94	23	0	
10	16QAM	50	0	21.85	21.86	21.80			
10	64QAM	1	0	21.87	22.00	22.06	23	0	
10	64QAM	1	25	22.02	21.98	22.09			
10	64QAM	1	49	21.92	21.92	21.83	23	0	
10	64QAM	25	0	21.64	21.69	21.61			
10	64QAM	25	12	21.57	21.65	21.57	22.5	0.5	
10	64QAM	25	25	21.54	21.65	21.57			
10	64QAM	50	0	21.51	21.63	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.86	22.11	22.10	23	0	
5	QPSK	1	12	21.72	21.87	21.86			
5	QPSK	1	24	21.88	21.95	21.94	23	0	
5	QPSK	12	0	21.88	22.03	22.01			
5	QPSK	12	7	21.85	21.70	21.70	23	0	
5	QPSK	12	13	21.87	21.91	22.04			
5	QPSK	25	0	21.91	21.98	21.94	23	0	
5	16QAM	1	0	21.61	21.80	21.88			
5	16QAM	1	12	21.92	21.93	22.01	23	0	
5	16QAM	1	24	21.87	21.77	21.82			
5	16QAM	12	0	21.70	21.82	21.83	23	0	
5	16QAM	12	7	21.84	21.94	21.88			
5	16QAM	12	13	21.69	21.74	21.91	23	0	
5	16QAM	25	0	21.78	21.79	21.73			
5	64QAM	1	0	21.78	21.92	21.99	23	0	
5	64QAM	1	12	21.92	21.91	22.03			
5	64QAM	1	24	21.87	21.79	21.76	23	0	
5	64QAM	12	0	21.60	21.60	21.54			
5	64QAM	12	7	21.44	21.50	21.50	22.5	0.5	
5	64QAM	12	13	21.46	21.59	21.51			
5	64QAM	25	0	21.45	21.55	21.38			

Band 26 Ant 0 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.80	22.12	22.10	23	0	
15	QPSK	1	37	21.76	21.85	21.92			
15	QPSK	1	74	21.91	21.91	21.91	23	0	
15	QPSK	36	0	21.82	22.03	22.01			
15	QPSK	36	20	21.87	21.66	21.76	23	0	
15	QPSK	36	39	21.80	21.96	22.02			
15	QPSK	75	0	21.96	21.99	21.95	23	0	
15	16QAM	1	0	21.66	21.74	21.79			
15	16QAM	1	37	21.97	21.95	21.95	23	0	
15	16QAM	1	74	21.81	21.77	21.88			
15	16QAM	36	0	21.78	21.77	21.76	23	0	
15	16QAM	36	20	21.83	21.99	21.91			
15	16QAM	36	39	21.68	21.79	21.91	23	0	
15	16QAM	75	0	21.74	21.71	21.76			
15	64QAM	1	0	21.82	21.91	21.92	23	0	
15	64QAM	1	37	21.89	21.89	22.03			
15	64QAM	1	74	21.85	21.88	21.74	23	0	
15	64QAM	36	0	21.64	21.69	21.56			
15	64QAM	36	20	21.65	21.70	21.61	22.5	0.5	
15	64QAM	36	39	21.48	21.57	21.51			
15	64QAM	75	0	21.56	21.63	21.55			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.76	22.07	22.03	23	0	
10	QPSK	1	25	21.61	21.79	21.86			
10	QPSK	1	49	21.83	21.77	21.81	23	0	
10	QPSK	25	0	21.68	21.94	21.91			
10	QPSK	25	12	21.81	21.56	21.72	23	0	
10	QPSK	25	25	21.70	21.82	21.96			
10	QPSK	50	0	21.92	21.84	21.89	23	0	
10	16QAM	1	0	21.59	21.68	21.73			
10	16QAM	1	25	21.80	21.88	21.90	23	0	
10	16QAM	1	49	21.71	21.69	21.74			
10	16QAM	25	0	21.72	21.64	21.70	23	0	
10	16QAM	25	12	21.69	21.91	21.85			
10	16QAM	25	25	21.63	21.74	21.85	23	0	
10	16QAM	50	0	21.61	21.60	21.62			
10	64QAM	1	0	21.72	21.87	21.85	23	0	
10	64QAM	1	25	21.75	21.82	21.99			
10	64QAM	1	49	21.78	21.84	21.61	23	0	
10	64QAM	25	0	21.59	21.57	21.49			
10	64QAM	25	12	21.50	21.60	21.50	22.5	0.5	
10	64QAM	25	25	21.42	21.43	21.39			
10	64QAM	50	0	21.45	21.53	21.41			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.74	21.95	22.08	23	0	
5	QPSK	1	12	21.67	21.81	21.88			
5	QPSK	1	24	21.77	21.81	21.81	23	0	
5	QPSK	12	0	21.70	21.90	21.90			
5	QPSK	12	7	21.75	21.61	21.65	23	0	
5	QPSK	12	13	21.72	21.86	21.94			
5	QPSK	25	0	21.93	21.89	21.89	23	0	
5	16QAM	1	0	21.53	21.60	21.69			
5	16QAM	1	12	21.80	21.80	21.88	23	0	
5	16QAM	1	24	21.74	21.73	21.79			
5	16QAM	12	0	21.65	21.65	21.71	23	0	
5	16QAM	12	7	21.77	21.86	21.88			
5	16QAM	12	13	21.60	21.71	21.85	23	0	
5	16QAM	25	0	21.71	21.68	21.67			
5	64QAM	1	0	21.74	21.76	21.83	23	0	
5	64QAM	1	12	21.86	21.75	21.97			
5	64QAM	1	24	21.72	21.82	21.70	23	0	
5	64QAM	12	0	21.50	21.61	21.45			
5	64QAM	12	7	21.50	21.62	21.54	22.5	0.5	
5	64QAM	12	13	21.34	21.53	21.47			
5	64QAM	25	0	21.47	21.52	21.49			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.74	22.06	22.03	23	0	
3	QPSK	1	8	21.71	21.77	21.81			
3	QPSK	1	14	21.77	21.85	21.85	23	0	
3	QPSK	8	0	21.72	21.99	21.88			
3	QPSK	8	4	21.81	21.57	21.62	23	0	
3	QPSK	8	7	21.71	21.83	21.94			
3	QPSK	15	0	21.89	21.94	21.86	23	0	
3	16QAM	1	0	21.58	21.70	21.73			
3	16QAM	1	8	21.74	21.86	21.85	23	0	
3	16QAM	1	14	21.72	21.71	21.74			
3	16QAM	8	0	21.69	21.71	21.64	23	0	
3	16QAM	8	4	21.71	21.86	21.84			
3	16QAM	8	7	21.56	21.72	21.81	23	0	
3	16QAM	15	0	21.67	21.65	21.63			
3	64QAM	1	0	21.74	21.79	21.84	23	0	
3	64QAM	1	8	21.78	21.84	21.89			
3	64QAM	1	14	21.80	21.80	21.70	23	0	
3	64QAM	8	0	21.56	21.57	21.51			
3	64QAM	8	4	21.52	21.58	21.55	22.5	0.5	
3	64QAM	8	7	21.37	21.44	21.45			
3	64QAM	15	0	21.46	21.59	21.49			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.76	21.96	22.03	23	0	
1.4	QPSK	1	3	21.64	21.80	21.89			
1.4	QPSK	1	5	21.77	21.83	21.79	23	0	
1.4	QPSK	3	0	21.77					



GSM1900 Ant 1 DS17

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.29	27.14	27.25	28.50	18.29	18.14	18.25	19.50
GPRS 1 Tx slot	27.21	27.09	27.18	28.50	18.21	18.09	18.18	19.50
GPRS 2 Tx slots	23.70	23.79	23.75	25.50	17.70	17.79	17.75	19.50
GPRS 3 Tx slots	21.78	21.74	21.79	23.70	17.52	17.48	17.53	19.44
GPRS 4 Tx slots	20.61	20.63	20.54	22.50	17.61	17.63	17.54	19.50
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DS17

WCDMA IV Ant 1 DS17

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1742.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	21.72	21.83	21.69	22.60	21.80	21.83	21.76	22.60
3GPP Rel 99 RMC 12.2Kbps	21.84	21.96	21.83	22.60	21.89	21.92	21.89	22.60
3GPP Rel 6 HSDPA Subtest-1	21.01	21.13	21.21	21.80	21.13	21.07	21.07	21.60
3GPP Rel 6 HSDPA Subtest-2	20.96	21.10	20.97	21.80	21.03	21.15	20.91	21.60
3GPP Rel 6 HSDPA Subtest-3	20.45	20.48	20.45	21.10	20.71	20.67	20.53	21.10
3GPP Rel 6 HSDPA Subtest-4	20.37	20.52	20.44	21.10	20.50	20.72	20.48	21.10
3GPP Rel 8 DC-HSDPA Subtest-1	20.95	21.33	21.22	21.80	20.85	21.12	21.01	21.60
3GPP Rel 8 DC-HSDPA Subtest-2	21.02	21.31	21.23	21.80	20.99	21.06	21.15	21.60
3GPP Rel 8 DC-HSDPA Subtest-3	20.43	20.55	20.58	21.10	20.34	20.45	20.50	21.10
3GPP Rel 8 DC-HSDPA Subtest-4	20.62	20.68	20.42	21.10	20.42	20.57	20.22	21.10
3GPP Rel 6 HSUPA Subtest-1	21.17	21.19	21.06	21.80	21.19	21.15	21.10	21.60
3GPP Rel 6 HSUPA Subtest-2	17.99	18.00	17.92	18.60	18.98	19.15	18.98	19.60
3GPP Rel 6 HSUPA Subtest-3	18.98	18.98	18.95	19.60	20.00	20.17	19.98	20.60
3GPP Rel 6 HSUPA Subtest-4	17.97	18.08	17.91	18.60	19.09	19.20	19.08	19.60
3GPP Rel 6 HSUPA Subtest-5	21.16	21.45	21.25	21.80	20.85	21.12	20.99	21.60



Band 2 Ant 1 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												
Frequency (MHz)												
20	QPSK	1	0	21.20	21.40	21.37	22.6	0				
20	QPSK	1	49	21.15	21.20	21.26						
20	QPSK	1	99	21.32	21.39	21.26						
20	QPSK	50	0	21.22	21.33	21.30						
20	QPSK	50	24	21.15	21.14	21.24						
20	QPSK	50	50	21.30	21.24	21.24	22.6	0				
20	QPSK	100	0	21.23	21.29	21.20						
20	16QAM	1	0	21.19	21.23	21.21						
20	16QAM	1	49	21.45	21.29	21.39						
20	16QAM	1	99	21.33	21.30	21.35						
20	16QAM	50	0	21.23	21.34	21.22	22.6	0				
20	16QAM	50	24	21.14	21.17	21.32						
20	16QAM	50	50	21.17	21.33	21.31						
20	16QAM	100	0	21.22	21.29	21.27						
20	16QAM	100	0	21.24	21.25	21.28						
20	64QAM	1	49	21.40	21.28	21.34	22.6	0				
20	64QAM	1	99	21.33	21.23	21.34						
20	64QAM	50	0	20.99	21.07	20.92						
20	64QAM	50	24	20.91	21.04	20.99						
20	64QAM	50	50	20.97	21.06	20.92						
20	64QAM	100	0	20.98	21.03	20.97	22.1	0.5				
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.11	21.30	21.29				22.6	0	
15	QPSK	1	37	21.06	21.07	21.15						
15	QPSK	1	74	21.20	21.29	21.22						
15	QPSK	36	0	21.15	21.27	21.15						
15	QPSK	36	20	21.02	21.05	21.13						
15	QPSK	36	39	21.22	21.13	21.09	22.6	0				
15	QPSK	75	0	21.19	21.16	21.09						
15	16QAM	1	0	21.14	21.16	21.11						
15	16QAM	1	37	21.32	21.15	21.29						
15	16QAM	1	74	21.23	21.20	21.26						
15	16QAM	36	0	21.14	21.31	21.21	22.6	0				
15	16QAM	36	39	21.02	21.21	21.18						
15	16QAM	36	39	21.06	21.21	21.22						
15	16QAM	75	0	21.17	21.21	21.24						
15	64QAM	1	0	21.19	21.17	21.20						
15	64QAM	1	37	21.36	21.19	21.23	22.6	0				
15	64QAM	1	74	21.08	21.11	21.24						
15	64QAM	36	0	20.91	20.94	20.85						
15	64QAM	36	20	20.77	20.91	20.93						
15	64QAM	36	39	20.91	21.00	20.93						
15	64QAM	75	0	20.95	20.99	20.85	22.1	0.5				
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.16	21.32	21.26				22.6	0	
10	QPSK	1	25	21.07	21.15	21.17						
10	QPSK	1	49	21.28	21.34	21.14						
10	QPSK	25	0	21.15	21.19	21.16						
10	QPSK	25	12	21.05	21.09	21.12						
10	QPSK	25	25	21.15	21.10	21.17	22.6	0				
10	QPSK	50	0	21.08	21.25	21.12						
10	16QAM	1	0	21.18	21.18	21.11						
10	16QAM	1	25	21.32	21.19	21.36						
10	16QAM	1	49	21.25	21.18	21.21						
10	16QAM	25	0	21.15	21.25	21.11	22.6	0				
10	16QAM	25	12	21.10	21.11	21.20						
10	16QAM	25	25	21.14	21.24	21.23						
10	16QAM	50	0	21.09	21.20	21.17						
10	64QAM	1	0	21.12	21.14	21.14						
10	64QAM	1	25	21.17	21.18	21.27	22.6	0				
10	64QAM	1	49	21.07	21.08	21.31						
10	64QAM	25	0	20.87	20.94	20.79						
10	64QAM	25	12	20.88	21.00	20.95						
10	64QAM	25	25	20.88	20.92	20.80						
10	64QAM	50	0	20.91	20.92	20.87	22.1	0.5				
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.14	21.38	21.23				22.6	0	
5	QPSK	1	12	21.07	21.11	21.23						
5	QPSK	1	24	21.24	21.29	21.19						
5	QPSK	12	0	21.19	21.24	21.16						
5	QPSK	12	7	21.01	21.10	21.11						
5	QPSK	12	13	21.18	21.16	21.21	22.6	0				
5	QPSK	25	0	21.12	21.17	21.17						
5	16QAM	1	0	21.04	21.13	21.07						
5	16QAM	1	12	21.33	21.24	21.30						
5	16QAM	1	24	21.15	21.23	21.25						
5	16QAM	12	0	21.20	21.28	21.14	22.6	0				
5	16QAM	12	7	21.07	21.08	21.29						
5	16QAM	12	13	21.05	21.20	21.23						
5	16QAM	25	0	21.10	21.17	21.16						
5	64QAM	1	0	21.20	21.14	21.14						
5	64QAM	1	12	21.26	21.24	21.23	22.6	0				
5	64QAM	1	24	21.12	21.11	21.20						
5	64QAM	12	0	20.85	21.01	20.85						
5	64QAM	12	7	20.84	20.97	20.80						
5	64QAM	12	13	20.90	20.99	20.82						
5	64QAM	25	0	20.91	20.95	20.84	22.1	0.5				
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.11	21.36	21.22				22.6	0	
3	QPSK	1	8	21.04	21.10	21.13						
3	QPSK	1	14	21.21	21.33	21.16						
3	QPSK	8	0	21.11	21.25	21.15						
3	QPSK	8	4	21.00	21.09	21.18						
3	QPSK	8	7	21.18	21.14	21.09	22.6	0				
3	QPSK	15	0	21.19	21.15	21.12						
3	16QAM	1	0	21.05	21.14	21.09						
3	16QAM	1	8	21.33	21.19	21.26						
3	16QAM	1	14	21.26	21.16	21.29						
3	16QAM	8	0	21.15	21.21	21.14	22.6	0				
3	16QAM	8	4	21.02	21.05	21.18						
3	16QAM	8	7	21.08	21.29	21.19						
3	16QAM	15	0	21.17	21.23	21.24						
3	64QAM	1	0	21.19	21.17	21.21						
3	64QAM	1	8	21.32	21.22	21.20	22.6	0				
3	64QAM	1	14	21.08	21.16	21.26						
3	64QAM	8	0	20.91	20.97	20.85						
3	64QAM	8	4	20.83	20.91	20.87						
3	64QAM	8	7	20.83	20.93	20.82						
3	64QAM	15	0	20.91	20.98	20.86	22.1	0.5				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.05	21.38	21.23				22.6	0	
1.4	QPSK	1	3	21.01	21.17	21.14						
1.4	QPSK	1	5	21.26	21.33	21.14						
1.4	QPSK	3	0	21.17	21.19	21.17						
1.4	QPSK	3	1	21.06	21.10	21.12						
1.4	QPSK	3	3	21.16	21.20	21.10	22.6	0				
1.4	QPSK	6	0	21.17	21.24	21.05						
1.4	16QAM	1	0	21.10	21.10	21.16						
1.4	16QAM	1	3	21.29	21.20	21.29						
1.4	16QAM	1	5	21.26	21.19	21.29						
1.4	16QAM	3	0	21.12	21.24	21.13	22.6	0				
1.4	16QAM	3	1	21.10	21.08	21.17						
1.4	16QAM	3	3	21.07	21.18	21.18						
1.4	16QAM	6	0	21.19	21.16	21.24						
1.4	64QAM	1	0	21.19	21.12	21.18						
1.4	64QAM	1	3	21.36	21.19	21.24	22.6	0				
1.4	64QAM	1	5	21.09	21.20	21.26						
1.4	64QAM	3	0	21.00	21.05	21.21						
1.4	64QAM	3	1	21.03	21.20	21.20						
1.4	64QAM	3	3	21.07	21.22	21.22						
1.4	64QAM	6	0	20.92	20.88	20.92	22.1	0.5				

Band 4 Ant 1 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									
Frequency (MHz)									
20	QPSK	1	0	21.20	21.43	21.43	22.6	0	
20	QPSK	1	49	21.29	21.24	21.34			
20	QPSK	1	99	21.38	21.44	21.36			
20	QPSK	50	0	21.34	21.43	21.41			
20	QPSK	50	24	21.28	21.27	21.35			
20	QPSK	50	50	21.37	21.38	21.31	22.6	0	
20	QPSK	100	0	21.38	21.40	21.34			
20	16QAM	1	0	21.29	21.36	21.28			
20	16QAM	1	49	21.44	21.41	21.48			
20	16QAM	1	99	21.48	21.43	21.39			
20	16QAM	50	0	21.33	21.37	21.29	22.6	0	
20	16QAM	50	24	21.27	21.29	21.44			
20	16QAM	50	50	21.28	21.42	21.37			
20	16QAM	100	0	21.30	21.36	21.37			
20	64QAM	1	0	21.32	21.37	21.39			
20	64QAM	1	49	21.45	21.37	21.47	22.6	0	
20	64QAM	1	99	21.34	21.38	21.48			
20	64QAM	50	0	20.90	20.93	20.87			
20	64QAM	50	24	20.77	20.87	20.74			
20	64QAM	50	50	20.92	20.99	20.88			
20	64QAM	100	0	20.75	20.90	20.82	22.1	0.5	



Band 25 Ant 1 DS17

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.30	21.48	21.32	22.6	0
20	QPSK	1	49	21.29	21.26	21.17		
20	QPSK	1	99	21.28	21.33	21.30		
20	QPSK	50	0	21.26	21.38	21.21	22.6	0
20	QPSK	50	24	21.13	21.24	21.33		
20	QPSK	50	50	21.34	21.26	21.37		
20	QPSK	100	0	21.26	21.30	21.28	22.6	0
20	16QAM	1	0	21.22	21.25	21.13		
20	16QAM	1	49	21.25	21.36	21.33		
20	16QAM	1	99	21.42	21.30	21.38	22.6	0
20	16QAM	50	0	21.16	21.30	21.24		
20	16QAM	50	24	21.27	21.17	21.38		
20	16QAM	50	50	21.19	21.42	21.39	22.6	0
20	16QAM	100	0	21.24	21.24	21.35		
20	16QAM	1	0	21.12	21.28	21.27		
20	64QAM	1	49	21.38	21.34	21.40	22.6	0
20	64QAM	1	99	21.31	21.35	21.42		
20	64QAM	50	0	20.97	20.98	20.90		
20	64QAM	50	24	20.88	20.95	20.80	22.1	0.5
20	64QAM	50	50	20.96	21.02	20.86		
20	64QAM	100	0	21.01	21.05	20.89		
Channel								
Frequency (MHz)								
15	QPSK	1	0	21.22	21.45	21.28	22.6	0
15	QPSK	1	37	21.23	21.14	21.07		
15	QPSK	1	74	21.20	21.21	21.16		
15	QPSK	36	0	21.14	21.33	21.17	22.6	0
15	QPSK	36	20	21.09	21.18	21.28		
15	QPSK	36	39	21.21	21.18	21.29		
15	QPSK	75	0	21.13	21.21	21.25	22.6	0
15	16QAM	1	0	21.13	21.17	21.06		
15	16QAM	1	37	21.17	21.28	21.21		
15	16QAM	1	74	21.33	21.22	21.31	22.6	0
15	16QAM	36	0	21.03	21.17	21.15		
15	16QAM	36	20	21.22	21.12	21.25		
15	16QAM	36	39	21.07	21.32	21.26	22.6	0
15	16QAM	75	0	21.10	21.12	21.31		
15	64QAM	1	0	21.08	21.24	21.20		
15	64QAM	1	37	21.34	21.27	21.35	22.6	0
15	64QAM	1	74	21.24	21.23	21.29		
15	64QAM	36	0	20.87	20.90	20.82		
15	64QAM	36	20	20.83	20.91	20.69	22.1	0.5
15	64QAM	36	39	20.91	20.88	20.72		
15	64QAM	75	0	20.90	21.01	20.84		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.22	21.42	21.20	22.6	0
10	QPSK	1	25	21.16	21.22	21.05		
10	QPSK	1	49	21.21	21.24	21.16		
10	QPSK	25	0	21.20	21.24	21.13	22.6	0
10	QPSK	25	12	21.04	21.15	21.26		
10	QPSK	25	25	21.20	21.22	21.24		
10	QPSK	50	0	21.13	21.16	21.19	22.6	0
10	16QAM	1	0	21.19	21.11	21.05		
10	16QAM	1	25	21.15	21.23	21.20		
10	16QAM	1	49	21.39	21.23	21.24	22.6	0
10	16QAM	25	0	21.07	21.23	21.19		
10	16QAM	25	12	21.20	21.06	21.25		
10	16QAM	25	25	21.04	21.27	21.31	22.6	0
10	16QAM	50	0	21.11	21.17	21.31		
10	64QAM	1	0	21.08	21.18	21.13		
10	64QAM	1	25	21.31	21.26	21.36	22.6	0
10	64QAM	1	49	21.22	21.25	21.33		
10	64QAM	25	0	20.91	20.86	20.77		
10	64QAM	25	12	20.83	20.83	20.67	22.1	0.5
10	64QAM	25	25	20.92	20.91	20.74		
10	64QAM	50	0	20.89	20.96	20.74		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.20	21.36	21.25	22.6	0
5	QPSK	1	12	21.24	21.19	21.05		
5	QPSK	1	24	21.20	21.23	21.22		
5	QPSK	12	0	21.18	21.31	21.07	22.6	0
5	QPSK	12	7	21.09	21.09	21.25		
5	QPSK	12	13	21.24	21.18	21.32		
5	QPSK	25	0	21.21	21.27	21.19	22.6	0
5	16QAM	1	0	21.19	21.20	21.05		
5	16QAM	1	12	21.20	21.28	21.20		
5	16QAM	1	24	21.28	21.22	21.30	22.6	0
5	16QAM	12	0	21.07	21.24	21.15		
5	16QAM	12	7	21.16	21.11	21.24		
5	16QAM	12	13	21.08	21.34	21.25	22.6	0
5	16QAM	25	0	21.16	21.14	21.21		
5	64QAM	1	0	20.97	21.18	21.14		
5	64QAM	1	12	21.29	21.20	21.33	22.6	0
5	64QAM	1	24	21.25	21.24	21.27		
5	64QAM	12	0	20.85	20.93	20.90		
5	64QAM	12	7	20.83	20.80	20.74	22.1	0.5
5	64QAM	12	13	20.89	20.86	20.81		
5	64QAM	25	0	20.95	20.97	20.80		
Channel								
Frequency (MHz)								
3	QPSK	1	0	21.24	21.40	21.20	22.6	0
3	QPSK	1	8	21.20	21.15	21.08		
3	QPSK	1	14	21.13	21.22	21.19		
3	QPSK	8	0	21.13	21.33	21.12	22.6	0
3	QPSK	8	4	21.02	21.19	21.25		
3	QPSK	8	7	21.28	21.16	21.28		
3	QPSK	15	0	21.12	21.22	21.21	22.6	0
3	16QAM	1	0	21.15	21.11	21.03		
3	16QAM	1	8	21.15	21.31	21.25		
3	16QAM	1	14	21.35	21.22	21.31	22.6	0
3	16QAM	8	0	21.04	21.17	21.19		
3	16QAM	8	4	21.20	21.03	21.25		
3	16QAM	8	7	21.10	21.28	21.29	22.6	0
3	16QAM	15	0	21.21	21.10	21.29		
3	64QAM	1	0	21.00	21.18	21.21		
3	64QAM	1	8	21.30	21.30	21.32	22.6	0
3	64QAM	1	14	21.24	21.25	21.30		
3	64QAM	8	0	20.92	20.86	20.84		
3	64QAM	8	4	20.82	20.82	20.66	22.1	0.5
3	64QAM	8	7	20.89	20.95	20.74		
3	64QAM	15	0	20.97	20.96	20.83		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	21.22	21.39	21.23	22.6	0
1.4	QPSK	1	3	21.19	21.19	21.08		
1.4	QPSK	1	5	21.19	21.22	21.25		
1.4	QPSK	3	0	21.17	21.34	21.09	22.6	0
1.4	QPSK	3	1	21.00	21.20	21.19		
1.4	QPSK	3	3	21.31	21.12	21.28		
1.4	QPSK	6	0	21.12	21.16	21.17	22.6	0
1.4	16QAM	1	0	21.15	21.14	21.00		
1.4	16QAM	1	3	21.13	21.28	21.23		
1.4	16QAM	1	5	21.34	21.18	21.24	22.6	0
1.4	16QAM	3	0	21.10	21.23	21.12		
1.4	16QAM	3	1	21.12	21.13	21.31		
1.4	16QAM	3	3	21.07	21.32	21.29	22.6	0
1.4	16QAM	6	0	21.10	21.15	21.26		
1.4	16QAM	1	0	21.01	21.24	21.16		
1.4	64QAM	1	3	21.32	21.26	21.35	22.6	0
1.4	64QAM	1	5	21.25	21.25	21.39		
1.4	64QAM	3	0	20.99	20.87	21.00		
1.4	64QAM	3	1	20.87	21.02	20.83	22.1	0.5
1.4	64QAM	3	3	20.67	20.82	20.71		
1.4	64QAM	6	0	20.87	21.00	20.80		

Band 66 Ant 1 DS17

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.19	21.33	21.22	22.6	0
20	QPSK	1	49	21.15	21.11	21.11		
20	QPSK	1	99	21.17	21.21	21.17		
20	QPSK	50	0	21.17	21.27	21.15	22.6	0
20	QPSK	50	24	21.07	21.14	21.17		
20	QPSK	50	50	21.20	21.13	21.25		
20	QPSK	100	0	21.17	21.25	21.19	22.6	0
20	16QAM	1	0	21.10	21.17	21.07		
20	16QAM	1	49	21.12	21.25	21.21		
20	16QAM	1	99	21.27	21.18	21.24	22.6	0
20	16QAM	50	0	21.10	21.14	21.12		
20	16QAM	50	24	21.15	21.09	21.21		
20	16QAM	50	50	21.11	21.26	21.27	22.6	0
20	16QAM	100	0	21.13	21.16	21.19		
20	64QAM	1	0	21.06	21.20	21.18		
20	64QAM	1	49	21.25	21.18	21.30	22.6	0
20	64QAM	1	99	21.16	21.20	21.26		
20	64QAM	50	0	21.05	21.02	21.08		
20	64QAM	50	24	20.85	21.08	20.86	22.1	0.5
20	64QAM	50	50	20.78	20.90	20.79</		



Band 38 Ant 1 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				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.99	21.10	21.03	21.9	0		
20	QPSK	1	49	20.89	20.87	20.92				
20	QPSK	1	99	20.95	20.96	21.00				
20	QPSK	50	0	20.96	21.08	21.01	21.9	0		
20	QPSK	50	24	20.93	20.87	20.95				
20	QPSK	50	50	20.96	20.93	21.01				
20	QPSK	100	0	21.02	21.05	21.03	21.9	0		
20	16QAM	1	0	20.92	20.96	20.83				
20	16QAM	1	49	20.96	21.02	20.99				
20	16QAM	1	99	21.08	21.05	21.09	21.9	0		
20	16QAM	50	0	20.91	20.99	20.96				
20	16QAM	50	24	20.88	20.96	20.94				
20	16QAM	50	50	20.90	21.00	20.98	21.9	0		
20	16QAM	100	0	20.92	21.00	21.05				
20	64QAM	1	0	20.89	21.01	20.97				
20	64QAM	1	49	21.01	21.01	21.00	21.7	0.2		
20	64QAM	1	99	20.94	20.93	21.08				
20	64QAM	50	0	20.89	20.88	20.93				
20	64QAM	50	24	20.93	21.05	21.03	21.7	0.2		
20	64QAM	50	50	20.86	21.02	21.00				
20	64QAM	100	0	20.96	20.97	20.91				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.86	20.88	21.07	21.9	0		
15	QPSK	1	37	20.79	20.73	20.89				
15	QPSK	1	74	20.82	20.84	20.85				
15	QPSK	36	0	20.93	20.99	20.87	21.9	0		
15	QPSK	36	20	20.87	20.75	20.89				
15	QPSK	36	39	20.83	20.87	20.92				
15	QPSK	75	0	20.96	20.91	20.97	21.9	0		
15	16QAM	1	0	20.81	20.87	20.70				
15	16QAM	1	37	20.89	20.91	20.91				
15	16QAM	1	74	21.02	20.92	20.96	21.9	0		
15	16QAM	36	0	20.87	20.87	20.93				
15	16QAM	36	20	20.82	20.85	20.84				
15	16QAM	36	39	20.86	20.90	20.83	21.9	0		
15	16QAM	75	0	20.86	20.86	20.97				
15	64QAM	1	0	20.81	20.96	20.83				
15	64QAM	1	37	20.95	20.91	20.91	21.7	0.2		
15	64QAM	1	74	20.87	20.81	20.94				
15	64QAM	36	0	20.78	20.81	20.90				
15	64QAM	36	20	20.83	21.01	20.98	21.7	0.2		
15	64QAM	36	39	20.72	20.96	20.89				
15	64QAM	75	0	20.88	20.88	20.91				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.86	20.92	20.99	21.9	0		
10	QPSK	1	25	20.84	20.79	20.86				
10	QPSK	1	49	20.87	20.91	20.95				
10	QPSK	25	0	20.84	20.97	20.86	21.9	0		
10	QPSK	25	12	20.90	20.78	20.80				
10	QPSK	25	25	20.83	20.82	20.90				
10	QPSK	50	0	20.92	20.91	20.91	21.9	0		
10	16QAM	1	0	20.88	20.91	20.88				
10	16QAM	1	25	20.86	20.93	20.94				
10	16QAM	1	49	21.02	20.94	21.01	21.9	0		
10	16QAM	25	0	20.87	20.94	20.81				
10	16QAM	25	12	20.83	20.88	20.90				
10	16QAM	25	25	20.77	20.93	20.89	21.9	0		
10	16QAM	50	0	20.84	20.88	20.86				
10	64QAM	1	0	20.75	20.89	20.88				
10	64QAM	1	25	20.86	20.95	20.93	21.7	0.2		
10	64QAM	1	49	20.87	20.78	20.96				
10	64QAM	25	0	20.81	20.74	20.81				
10	64QAM	25	12	20.82	20.94	21.09	21.7	0.2		
10	64QAM	25	25	20.72	20.94	20.92				
10	64QAM	50	0	20.86	20.82	20.88				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.88	21.03	21.06	21.9	0		
5	QPSK	1	12	20.75	20.80	20.87				
5	QPSK	1	24	20.82	20.92	20.85				
5	QPSK	12	0	20.93	21.01	20.86	21.9	0		
5	QPSK	12	7	20.85	20.77	20.87				
5	QPSK	12	13	20.90	20.90	20.96				
5	QPSK	25	0	20.95	20.90	20.95	21.9	0		
5	16QAM	1	0	20.78	20.93	20.77				
5	16QAM	1	12	20.91	20.88	20.85				
5	16QAM	1	24	20.96	20.96	20.99	21.9	0		
5	16QAM	12	0	20.86	20.92	20.84				
5	16QAM	12	7	20.85	20.83	20.82				
5	16QAM	12	13	20.79	20.87	20.83	21.9	0		
5	16QAM	25	0	20.80	20.97	20.92				
5	64QAM	1	0	20.81	20.87	20.89				
5	64QAM	1	12	20.93	20.91	20.90	21.7	0.2		
5	64QAM	1	24	20.90	20.79	20.93				
5	64QAM	12	0	20.76	20.75	20.88				
5	64QAM	12	7	20.89	20.96	21.01	21.7	0.2		
5	64QAM	12	13	20.73	20.95	20.98				

Band 41 Ant 1 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	20.91	20.69	20.94	20.66	20.76	21.9	0		
20	QPSK	1	49	20.68	20.75	20.69	20.65	20.61				
20	QPSK	1	99	20.84	20.83	20.81	20.75	20.88				
20	QPSK	50	0	20.82	20.73	20.89	20.71	20.70	21.9	0		
20	QPSK	50	24	20.68	20.73	20.74	20.61	20.68				
20	QPSK	50	50	20.70	20.73	20.78	20.77	20.66				
20	QPSK	100	0	20.75	20.80	20.81	20.78	20.79	21.9	0		
20	16QAM	1	0	20.69	20.64	20.71	20.71	20.75				
20	16QAM	1	49	20.80	20.73	20.87	20.68	20.70				
20	16QAM	1	99	20.77	20.87	20.85	20.85	20.79	21.9	0		
20	16QAM	50	0	20.78	20.73	20.78	20.65	20.71				
20	16QAM	50	24	20.73	20.73	20.71	20.63	20.65				
20	16QAM	50	50	20.78	20.75	20.84	20.82	20.79	21.9	0		
20	16QAM	100	0	20.77	20.70	20.75	20.62	20.60				
20	64QAM	1	0	20.78	20.71	20.78	20.64	20.64				
20	64QAM	1	49	20.87	20.82	20.86	20.73	20.75	21.9	0		
20	64QAM	1	99	20.72	20.75	20.71	20.72	20.62				
20	64QAM	50	0	20.79	20.59	20.68	20.67	20.62				
20	64QAM	50	24	20.90	20.73	20.87	20.75	20.75	21.9	0		
20	64QAM	50	50	20.84	20.68	20.79	20.53	20.59				
20	64QAM	100	0	20.76	20.75	20.77	20.53	20.65				
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	20.77	20.55	20.90	20.54	20.62	21.90	0		
15	QPSK	1	37	20.64	20.69	20.58	20.60	20.57				
15	QPSK	1	74	20.77	20.77	20.69	20.52	20.50				
15	QPSK	36	0	20.71	20.58	20.86	20.67	20.57	21.9	0		
15	QPSK	36	20	20.58	20.64	20.64	20.50	20.59				
15	QPSK	36	39	20.56	20.63	20.73	20.62	20.63				
15	QPSK	75	0	20.72	20.68	20.70	20.69	20.69	21.9	0		
15	16QAM	1	0	20.56	20.56	20.66	20.67	20.71				
15	16QAM	1	37	20.76	20.63	20.75	20.57	20.64				
15	16QAM	1	74	20.66	20.78	20.75	20.81	20.72	21.9	0		
15	16QAM	36	0	20.65	20.60	20.68	20.51	20.59				
15	16QAM	36	20	20.58	20.64	20.66	20.57	20.61				
15	16QAM	36	39	20.73	20.66	20.75	20.68	20.69	21.9	0		
15												

GSM850 Ant 2 DS17

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	28.10	28.00	28.32	29.20	19.10	19.00	19.32	20.20
GPRS 1 Tx slot	28.06	27.94	28.23	29.20	19.06	18.94	19.23	20.20
GPRS 2 Tx slots	24.86	24.87	25.05	26.20	18.86	18.87	19.05	20.20
GPRS 3 Tx slots	23.18	23.17	23.39	24.40	18.92	18.91	19.13	20.14
GPRS 4 Tx slots	22.25	22.54	22.24	23.20	19.25	19.54	19.24	20.20
EDGE 1 Tx slot	26.26	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DS17

Band	WCDMA V			Tune-up Limit (dBm)	
	4132	4182	4233		
TX Channel	4357	4407	4458		
Rx Channel					
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	20.22	20.44	20.17	21.20
3GPP Rel 99	RMC 12.2Kbps	20.13	20.45	20.18	21.20
3GPP Rel 6	HSDPA Subtest-1	17.26	17.23	17.07	18.20
3GPP Rel 6	HSDPA Subtest-2	17.27	17.34	17.16	18.20
3GPP Rel 6	HSDPA Subtest-3	18.66	18.88	18.54	19.70
3GPP Rel 6	HSDPA Subtest-4	18.72	18.76	18.76	19.70
3GPP Rel 8	DC-HSDPA Subtest-1	17.23	17.33	17.20	18.20
3GPP Rel 8	DC-HSDPA Subtest-2	17.31	17.54	17.45	18.20
3GPP Rel 8	DC-HSDPA Subtest-3	18.75	18.85	18.52	19.70
3GPP Rel 8	DC-HSDPA Subtest-4	18.79	18.78	18.72	19.70
3GPP Rel 6	HSUPA Subtest-1	17.22	17.43	17.20	18.20
3GPP Rel 6	HSUPA Subtest-2	15.25	15.42	15.09	16.20
3GPP Rel 6	HSUPA Subtest-3	16.30	16.52	16.15	17.20
3GPP Rel 6	HSUPA Subtest-4	15.24	15.34	15.23	16.20
3GPP Rel 6	HSUPA Subtest-5	17.30	17.48	17.38	18.20



Band 5 Ant 2 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				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	20.81	20.89	20.86	21.7	0		
10	QPSK	1	25	20.64	20.59	20.88				
10	QPSK	1	49	20.78	20.87	20.62				
10	QPSK	25	0	20.75	20.77	20.63	21.7	0		
10	QPSK	25	12	20.66	20.65	20.88				
10	QPSK	25	25	20.62	20.75	20.88				
10	QPSK	50	0	20.66	20.75	20.74	21.7	0		
10	16QAM	1	0	20.82	20.87	20.82				
10	16QAM	1	25	20.77	20.81	20.78				
10	16QAM	1	49	20.84	20.62	20.81	21.7	0		
10	16QAM	25	0	20.86	20.75	20.82				
10	16QAM	25	12	20.88	20.79	20.83				
10	16QAM	25	25	20.83	20.70	20.67	21.7	0		
10	16QAM	50	0	20.74	20.80	20.66				
10	64QAM	1	0	20.64	20.84	20.66				
10	64QAM	1	25	20.88	20.69	20.74	21.7	0		
10	64QAM	1	49	20.71	20.72	20.81				
10	64QAM	25	0	20.72	20.78	20.62				
10	64QAM	25	12	20.73	20.86	20.70	21.7	0		
10	64QAM	25	25	20.68	20.88	20.80				
10	64QAM	50	0	20.77	20.85	20.84				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	20.62	20.64	20.81	21.7	0		
5	QPSK	1	12	20.75	20.66	20.72				
5	QPSK	1	24	20.77	20.88	20.76				
5	QPSK	12	0	20.81	20.60	20.64	21.7	0		
5	QPSK	12	7	20.81	20.70	20.72				
5	QPSK	12	13	20.68	20.82	20.69				
5	QPSK	25	0	20.68	20.88	20.85	21.7	0		
5	16QAM	1	0	20.84	20.57	20.89				
5	16QAM	1	12	20.60	20.73	20.73				
5	16QAM	1	24	20.65	20.81	20.79	21.7	0		
5	16QAM	12	0	20.71	20.82	20.67				
5	16QAM	12	7	20.87	20.84	20.66				
5	16QAM	12	13	20.79	20.84	20.66	21.7	0		
5	16QAM	25	0	20.77	20.81	20.88				
5	64QAM	1	0	20.78	20.79	20.83				
5	64QAM	1	12	20.72	20.67	20.86	21.7	0		
5	64QAM	1	24	20.77	20.76	20.81				
5	64QAM	12	0	20.66	20.80	20.57				
5	64QAM	12	7	20.74	20.70	20.72	21.7	0		
5	64QAM	12	13	20.63	20.81	20.74				
5	64QAM	25	0	20.71	20.80	20.80				
Channel				20418	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	20.78	20.88	20.84	21.7	0		
3	QPSK	1	8	20.69	20.83	20.67				
3	QPSK	1	14	20.69	20.79	20.80				
3	QPSK	8	0	20.77	20.68	20.80	21.7	0		
3	QPSK	8	4	20.76	20.67	20.88				
3	QPSK	8	7	20.78	20.75	20.78				
3	QPSK	15	0	20.85	20.73	20.73	21.7	0		
3	16QAM	1	0	20.69	20.68	20.80				
3	16QAM	1	8	20.62	20.70	20.75				
3	16QAM	1	14	20.79	20.80	20.79	21.7	0		
3	16QAM	8	0	20.66	20.72	20.57				
3	16QAM	8	4	20.76	20.78	20.66				
3	16QAM	8	7	20.84	20.76	20.76	21.7	0		
3	16QAM	15	0	20.68	20.71	20.62				
3	64QAM	1	0	20.67	20.68	20.61				
3	64QAM	1	8	20.79	20.84	20.81	21.7	0		
3	64QAM	1	14	20.74	20.74	20.71				
3	64QAM	8	0	20.79	20.76	20.67				
3	64QAM	8	4	20.72	20.80	20.72	21.7	0		
3	64QAM	8	7	20.71	20.78	20.82				
3	64QAM	15	0	20.69	20.87	20.73				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	20.88	20.72	20.80	21.7	0		
1.4	QPSK	1	3	20.77	20.57	20.68				
1.4	QPSK	1	5	20.84	20.75	20.68				
1.4	QPSK	3	0	20.73	20.72	20.83	21.7	0		
1.4	QPSK	3	1	20.64	20.68	20.71				
1.4	QPSK	3	3	20.74	20.74	20.79				
1.4	QPSK	6	0	20.65	20.67	20.79	21.7	0		
1.4	16QAM	1	0	20.81	20.68	20.86				
1.4	16QAM	1	3	20.84	20.74	20.73				
1.4	16QAM	1	5	20.83	20.76	20.79	21.7	0		
1.4	16QAM	3	0	20.66	20.74	20.69				
1.4	16QAM	3	1	20.84	20.80	20.69				
1.4	16QAM	3	3	20.81	20.79	20.66	21.7	0		
1.4	16QAM	6	0	20.72	20.67	20.63				
1.4	64QAM	1	0	20.61	20.71	20.68				
1.4	64QAM	1	3	20.81	20.80	20.80	21.7	0		
1.4	64QAM	1	5	20.87	20.72	20.67				
1.4	64QAM	3	0	20.64	20.71	20.88				
1.4	64QAM	3	1	20.85	20.88	20.84	21.7	0		
1.4	64QAM	3	3	20.78	20.79	20.78				
1.4	64QAM	6	0	20.69	20.85	20.83				

Band 12 Ant 2 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				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.91	21.95	21.82	22.7	0		
10	QPSK	1	25	21.65	21.66	21.70				
10	QPSK	1	49	21.73	21.81	21.64				
10	QPSK	25	0	21.86	21.90	21.76	22.7	0		
10	QPSK	25	12	21.65	21.69	21.65				
10	QPSK	25	25	21.72	21.85	21.73				
10	QPSK	50	0	21.78	21.86	21.69	22.7	0		
10	16QAM	1	0	21.70	21.72	21.68				
10	16QAM	1	25	21.89	21.84	21.81				
10	16QAM	1	49	21.91	21.87	21.88	22.7	0		
10	16QAM	25	0	21.75	21.71	21.65				
10	16QAM	25	12	21.74	21.87	21.61				
10	16QAM	25	25	21.86	21.80	21.72	22.7	0		
10	16QAM	50	0	21.73	21.73	21.54				
10	64QAM	1	0	21.72	21.80	21.69				
10	64QAM	1	25	21.80	21.73	21.82	22.7	0		
10	64QAM	1	49	21.77	21.77	21.61				
10	64QAM	25	0	21.41	21.48	21.43				
10	64QAM	25	12	21.15	21.26	21.19	22.2	0.5		
10	64QAM	25	25	21.23	21.36	21.26				
10	64QAM	50	0	21.28	21.33	21.29				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.78	21.88	21.70	22.7	0		
5	QPSK	1	12	21.57	21.57	21.60				
5	QPSK	1	24	21.61	21.76	21.57				
5	QPSK	12	0	21.74	21.79	21.71	22.7	0		
5	QPSK	12	7	21.60	21.58	21.65				
5	QPSK	12	13	21.64	21.71	21.61				
5	QPSK	25	0	21.65	21.72	21.55	22.7	0		
5	16QAM	1	0	21.80	21.66	21.52				
5	16QAM	1	12	21.74	21.72	21.67				
5	16QAM	1	24	21.87	21.77	21.82	22.7	0		
5	16QAM	12	0	21.68	21.62	21.57				
5	16QAM	12	7	21.67	21.84	21.53				
5	16QAM	12	13	21.80	21.68	21.64	22.7	0		
5	16QAM	25	0	21.61	21.69	21.49				
5	64QAM	1	0	21.66	21.72	21.59				
5	64QAM	1	12	21.68	21.66	21.74	22.7	0		
5	64QAM	1	24	21.63	21.63	21.56				
5	64QAM	12	0	21.30	21.43	21.33				
5	64QAM	12	7	21.04	21.15	21.07	22.2	0.5		
5	64QAM	12	13	21.08	21.28	21.19				
5	64QAM	25	0	21.22	21.28	21.19				
Channel				23025	23095	23165	Tune			



Band 17 Ant 2 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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.81	21.96	21.82	22.7	0	
10	QPSK	1	25	21.77	21.75	21.66			
10	QPSK	1	49	21.74	21.84	21.68			
10	QPSK	25	0	21.76	21.91	21.75	22.7	0	
10	QPSK	25	12	21.66	21.67	21.54			
10	QPSK	25	25	21.70	21.77	21.73			
10	QPSK	50	0	21.80	21.84	21.79	22.7	0	
10	16QAM	1	0	21.77	21.71	21.60			
10	16QAM	1	25	21.90	21.84	21.74			
10	16QAM	1	49	21.87	21.79	21.72	22.7	0	
10	16QAM	25	0	21.81	21.68	21.72			
10	16QAM	25	12	21.76	21.74	21.59			
10	16QAM	25	25	21.79	21.82	21.74	22.7	0	
10	16QAM	50	0	21.74	21.71	21.65			
10	64QAM	1	0	21.77	21.70	21.70			
10	64QAM	1	25	21.80	21.85	21.71	22.7	0	
10	64QAM	1	49	21.85	21.79	21.68			
10	64QAM	25	0	21.40	21.45	21.38			
10	64QAM	25	12	21.33	21.37	21.23	22.2	0.5	
10	64QAM	25	25	21.31	21.38	21.33			
10	64QAM	50	0	21.26	21.39	21.29			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.86	21.86	21.85	22.7	0	
5	QPSK	1	12	21.73	21.67	21.52			
5	QPSK	1	24	21.66	21.76	21.63			
5	QPSK	12	0	21.68	21.83	21.69	22.7	0	
5	QPSK	12	7	21.59	21.55	21.46			
5	QPSK	12	13	21.57	21.62	21.63			
5	QPSK	25	0	21.71	21.81	21.71	22.7	0	
5	16QAM	1	0	21.63	21.62	21.52			
5	16QAM	1	12	21.80	21.70	21.61			
5	16QAM	1	24	21.75	21.76	21.67	22.7	0	
5	16QAM	12	0	21.72	21.55	21.58			
5	16QAM	12	7	21.71	21.69	21.49			
5	16QAM	12	13	21.69	21.76	21.64	22.7	0	
5	16QAM	25	0	21.63	21.58	21.52			
5	64QAM	1	0	21.69	21.61	21.62			
5	64QAM	1	12	21.66	21.79	21.68	22.7	0	
5	64QAM	1	24	21.82	21.76	21.54			
5	64QAM	12	0	21.37	21.37	21.24			
5	64QAM	12	7	21.22	21.33	21.17	22.2	0.5	
5	64QAM	12	13	21.22	21.25	21.19			
5	64QAM	25	0	21.13	21.29	21.25			

Band 26 Ant 2 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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	20.82	20.93	20.73	21.7	0	
15	QPSK	1	37	20.75	20.61	20.58			
15	QPSK	1	74	20.66	20.83	20.56			
15	QPSK	36	0	20.82	20.87	20.70	21.7	0	
15	QPSK	36	20	20.68	20.63	20.64			
15	QPSK	36	39	20.76	20.72	20.47			
15	QPSK	75	0	20.81	20.83	20.68	21.7	0	
15	16QAM	1	0	20.72	20.69	20.62			
15	16QAM	1	37	20.66	20.82	20.57			
15	16QAM	1	74	20.73	20.65	20.73	21.7	0	
15	16QAM	36	0	20.63	20.67	20.66			
15	16QAM	36	20	20.71	20.61	20.47			
15	16QAM	36	39	20.73	20.86	20.79	21.7	0	
15	16QAM	75	0	20.65	20.65	20.65			
15	64QAM	1	0	20.80	20.54	20.62			
15	64QAM	1	37	20.77	20.90	20.57	21.7	0	
15	64QAM	1	74	20.70	20.83	20.61			
15	64QAM	36	0	20.74	20.84	20.68			
15	64QAM	36	20	20.80	20.58	20.46	21.2	0.5	
15	64QAM	36	39	20.86	20.68	20.73			
15	64QAM	75	0	20.73	20.72	20.63			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	20.91	20.87	20.65	21.7	0	
10	QPSK	1	25	20.85	20.59	20.64			
10	QPSK	1	49	20.70	20.80	20.53			
10	QPSK	25	0	20.73	20.87	20.54	21.7	0	
10	QPSK	25	12	20.58	20.55	20.42			
10	QPSK	25	25	20.63	20.86	20.58			
10	QPSK	50	0	20.88	20.71	20.59	21.7	0	
10	16QAM	1	0	20.87	20.72	20.78			
10	16QAM	1	25	20.68	20.62	20.66			
10	16QAM	1	49	20.73	20.84	20.56	21.7	0	
10	16QAM	25	0	20.74	20.64	20.76			
10	16QAM	25	12	20.80	20.51	20.49			
10	16QAM	25	25	20.71	20.82	20.73	21.7	0	
10	16QAM	50	0	20.55	20.64	20.56			
10	64QAM	1	0	20.83	20.47	20.60			
10	64QAM	1	25	20.71	20.86	20.66	21.7	0	
10	64QAM	1	49	20.61	20.77	20.62			
10	64QAM	25	0	20.83	20.82	20.58			
10	64QAM	25	12	20.84	20.65	20.43	21.2	0.5	
10	64QAM	25	25	20.86	20.78	20.62			
10	64QAM	50	0	20.64	20.61	20.54			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	20.72	20.74	20.66	21.7	0	
5	QPSK	1	12	20.75	20.63	20.55			
5	QPSK	1	24	20.69	20.84	20.49			
5	QPSK	12	0	20.78	20.82	20.54	21.7	0	
5	QPSK	12	7	20.46	20.60	20.45			
5	QPSK	12	13	20.50	20.91	20.65			
5	QPSK	25	0	20.68	20.84	20.70	21.7	0	
5	16QAM	1	0	20.80	20.57	20.43			
5	16QAM	1	12	20.84	20.78	20.79			
5	16QAM	1	24	20.77	20.63	20.74	21.7	0	
5	16QAM	12	0	20.54	20.71	20.71			
5	16QAM	12	7	20.68	20.54	20.49			
5	16QAM	12	13	20.78	20.87	20.73	21.7	0	
5	16QAM	25	0	20.68	20.75	20.54			
5	64QAM	1	0	20.73	20.65	20.69			
5	64QAM	1	12	20.66	20.84	20.61	21.7	0	
5	64QAM	1	24	20.80	20.73	20.67			
5	64QAM	12	0	20.80	20.85	20.66			
5	64QAM	12	7	20.78	20.68	20.39	21.2	0.5	
5	64QAM	12	13	20.82	20.75	20.71			
5	64QAM	25	0	20.82	20.64	20.74			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	20.78	20.92	20.70	21.7	0	
3	QPSK	1	8	20.82	20.71	20.51			
3	QPSK	1	14	20.73	20.75	20.54			
3	QPSK	8	0	20.75	20.89	20.58	21.7	0	
3	QPSK	8	4	20.51	20.49	20.40			
3	QPSK	8	7	20.50	20.80	20.68			
3	QPSK	15	0	20.80	20.74	20.65	21.7	0	
3	16QAM	1	0	20.70	20.52	20.39			
3	16QAM	1	8	20.75	20.72	20.65			
3	16QAM	1	14	20.63	20.64	20.64	21.7	0	
3	16QAM	8	0	20.53	20.72	20.60			
3	16QAM	8	4	20.62	20.57	20.44			
3	16QAM	8	7	20.77	20.88	20.69	21.7	0	
3	16QAM	15	0	20.72	20.62	20.66			
3	64QAM	1	0	20.76	20.56	20.71			
3	64QAM	1	8	20.80	20.85	20.51	21.7	0	
3	64QAM	1	14	20.78	20.91	20.68			
3	64QAM	8	0	20.84	20.91	20.71			
3	64QAM	8	4	20.75	20.55	20.45	21.2	0.5	
3	64QAM	8	7	20.92	20.71	20.69			
3	64QAM	15	0	20.65	20.81	20.56			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	20.77	20.87	20.75	21.7	0	
1.4	QPSK	1	3	20.70	20.54	20.56			
1.4	QPSK	1	5	20.59	20.78	20.51			
1.4	QPSK	3	0	20.64	20.86	20.49	21.7	0	
1.4	QPSK	3	1	20.53	20.47	20.38			
1.4	QPSK	3	3	20.65	20.79	20.63			
1.4	QPSK	6	0	20.85	20.73	20.71	21.7	0	
1.4	16QAM	1	0	20.75	20.54	20.50			
1.4	16QAM	1	3	20.69	20.62	20.68			
1.4	16QAM	1	5	20.76	20.71	20			



Band 7 ENDC Ant 5 DS17									
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	14.07	14.36	13.93	15.6	0	
20	QPSK	1	49	14.31	14.05	14.16			
20	QPSK	1	99	13.91	14.02	13.94			
20	QPSK	50	0	14.09	14.29	14.15	15.6	0	
20	QPSK	50	24	14.04	14.14	14.21			
20	QPSK	50	50	14.26	14.23	13.86			
20	QPSK	100	0	14.16	14.27	13.97	15.6	0	
20	16QAM	1	0	14.13	14.21	14.15			
20	16QAM	1	49	14.02	14.09	14.08			
20	16QAM	1	99	14.22	13.98	14.12	15.6	0	
20	16QAM	50	0	14.02	14.13	13.95			
20	16QAM	50	24	13.90	14.08	13.97			
20	16QAM	50	50	14.16	14.11	13.89	15.6	0	
20	16QAM	100	0	14.24	14.12	14.10			
20	64QAM	1	0	13.92	14.19	14.05			
20	64QAM	1	49	14.27	14.23	14.11	15.6	0	
20	64QAM	1	99	14.23	14.07	14.05			
20	64QAM	50	0	14.00	14.24	14.11			
20	64QAM	50	24	14.10	13.99	14.13	15.6	0	
20	64QAM	50	50	13.98	13.95	14.19			
20	64QAM	100	0	13.87	14.29	13.94			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.99	14.24	13.81	15.6	0	
15	QPSK	1	37	14.17	13.94	14.04			
15	QPSK	1	74	13.81	13.95	13.83			
15	QPSK	36	0	14.02	14.24	14.09	15.6	0	
15	QPSK	36	20	13.94	14.05	14.14			
15	QPSK	36	39	14.19	14.16	14.05			
15	QPSK	75	0	14.10	14.15	13.88	15.6	0	
15	16QAM	1	0	14.00	14.14	14.00			
15	16QAM	1	37	13.97	14.04	13.94			
15	16QAM	1	74	14.13	13.90	14.04	15.6	0	
15	16QAM	36	0	13.95	13.99	13.81			
15	16QAM	36	20	13.75	13.97	13.86			
15	16QAM	36	39	14.07	14.01	13.78	15.6	0	
15	16QAM	75	0	14.12	14.03	13.97			
15	64QAM	1	0	13.82	14.07	13.97			
15	64QAM	1	37	14.14	14.17	13.96	15.6	0	
15	64QAM	1	74	14.14	13.96	13.93			
15	64QAM	36	0	13.93	14.18	14.03			
15	64QAM	36	20	14.03	13.90	14.01	15.6	0	
15	64QAM	36	39	13.94	13.85	14.13			
15	64QAM	75	0	13.74	14.22	13.88			
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.93	14.22	13.79	15.6	0	
10	QPSK	1	25	14.19	13.99	14.02			
10	QPSK	1	49	13.76	13.96	13.86			
10	QPSK	25	0	13.97	14.18	14.05	15.6	0	
10	QPSK	25	12	13.90	14.04	14.15			
10	QPSK	25	25	14.16	14.08	13.79			
10	QPSK	50	0	14.03	14.14	13.86	15.6	0	
10	16QAM	1	0	14.02	14.11	14.08			
10	16QAM	1	25	13.90	14.03	13.98			
10	16QAM	1	49	14.11	13.88	14.00	15.6	0	
10	16QAM	25	0	13.91	14.05	13.90			
10	16QAM	25	12	13.81	14.01	13.87			
10	16QAM	25	25	14.06	14.01	13.82	15.6	0	
10	16QAM	50	0	14.11	14.00	14.00			
10	64QAM	1	0	13.85	14.13	13.97			
10	64QAM	1	25	14.17	14.11	13.98	15.6	0	
10	64QAM	1	49	14.09	14.02	13.95			
10	64QAM	25	0	13.88	14.14	13.97			
10	64QAM	25	12	14.04	13.85	14.08	15.6	0	
10	64QAM	25	25	13.91	13.82	14.04			
10	64QAM	50	0	13.74	14.22	13.85			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.99	14.22	13.94	15.6	0	
5	QPSK	1	12	14.19	13.97	14.07			
5	QPSK	1	24	13.77	13.94	13.80			
5	QPSK	12	0	14.02	14.19	14.08	15.6	0	
5	QPSK	12	7	13.95	14.03	14.14			
5	QPSK	12	13	14.18	14.11	13.74			
5	QPSK	25	0	14.03	14.19	13.87	15.6	0	
5	16QAM	1	0	14.04	14.14	14.06			
5	16QAM	1	12	13.96	14.03	13.98			
5	16QAM	1	24	14.10	13.85	14.03	15.6	0	
5	16QAM	12	0	13.89	14.04	13.88			
5	16QAM	12	7	13.83	14.00	13.83			
5	16QAM	12	13	14.04	13.98	13.83	15.6	0	
5	16QAM	25	0	14.19	14.00	14.03			
5	64QAM	1	0	13.80	14.11	13.94			
5	64QAM	1	12	14.16	14.11	14.03	15.6	0	
5	64QAM	1	24	14.15	13.93	14.00			
5	64QAM	12	0	13.90	14.15	14.03			
5	64QAM	12	7	13.98	13.90	14.06	15.6	0	
5	64QAM	12	13	13.87	13.87	14.09			
5	64QAM	25	0	13.80	14.15	13.88			



GSM1900 Ant 6 DS17

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810					
Frequency (MHz)	1852.2	1850	1853.3		1852.2	1850	1853.3	
GSM 1 Tx slot	23.36	23.14	23.27	24.80	14.36	14.14	14.27	15.80
GPRS 1 Tx slot	23.31	23.05	23.33	24.80	14.31	14.05	14.33	15.80
GPRS 2 Tx slots	20.38	20.21	20.22	21.80	14.38	14.21	14.22	15.80
GPRS 3 Tx slots	18.53	18.37	18.55	20.00	14.27	14.11	14.29	15.74
GPRS 4 Tx slots	17.19	17.33	17.31	18.80	14.19	14.33	14.31	15.80
EDGE 1 Tx slot	23.24	22.98	23.03	24.80	14.24	13.98	14.03	15.80
EDGE 2 Tx slots	20.27	20.23	20.16	21.80	14.27	14.23	14.16	15.80
EDGE 3 Tx slots	18.47	18.35	18.53	20.00	14.21	14.09	14.27	15.74
EDGE 4 Tx slots	17.34	17.02	16.95	18.80	14.34	14.02	13.95	15.80

WCDMA II Ant 6 DS17

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9692	9400	9598		1312	1413	1513		
TX Channel	9692	9400	9598						
Rx Channel	9692	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	13.45	13.51	13.39	14.70	17.04	17.12	17.14	18.20
3GPP Rel 99	RMC 12.2Kbps	13.58	13.59	13.52	14.70	17.19	17.31	17.19	18.20
3GPP Rel 6	HSDPA Subtest-1	12.73	12.86	12.57	13.90	16.06	16.18	15.85	17.20
3GPP Rel 6	HSDPA Subtest-2	12.65	12.82	12.58	13.90	16.05	16.04	16.14	17.20
3GPP Rel 6	HSDPA Subtest-3	12.07	12.11	11.88	13.20	15.57	15.76	15.53	16.70
3GPP Rel 6	HSDPA Subtest-4	11.81	12.02	12.11	13.20	15.67	15.88	15.92	16.70
3GPP Rel 8	DC-HSDPA Subtest-1	12.75	12.92	12.75	13.90	15.84	16.16	16.03	17.20
3GPP Rel 8	DC-HSDPA Subtest-2	12.54	12.50	12.49	13.90	16.20	16.20	15.98	17.20
3GPP Rel 8	DC-HSDPA Subtest-3	11.85	12.06	11.71	13.20	15.64	15.73	15.83	16.70
3GPP Rel 8	DC-HSDPA Subtest-4	11.94	11.84	11.68	13.20	15.69	15.46	15.43	16.70
3GPP Rel 6	HSUPA Subtest-1	12.61	12.81	12.70	13.90	16.15	16.25	16.23	17.20
3GPP Rel 6	HSUPA Subtest-2	9.53	9.45	9.39	10.70	14.17	14.30	14.16	15.20
3GPP Rel 6	HSUPA Subtest-3	10.41	10.64	10.60	11.70	15.15	15.16	15.00	16.20
3GPP Rel 6	HSUPA Subtest-4	9.57	9.54	9.55	10.70	14.08	14.03	13.98	15.20
3GPP Rel 6	HSUPA Subtest-5	12.55	12.79	12.57	13.90	16.00	16.17	16.40	17.20



Band 2 Ant 6 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								
Frequency (MHz)								
20	QPSK	1	0	13.63	13.83	13.71	14.9	0
20	QPSK	1	49	13.81	13.69	13.64		
20	QPSK	1	99	13.70	13.62	13.78		
20	QPSK	50	0	13.58	13.60	13.50		
20	QPSK	50	24	13.53	13.59	13.38		
20	QPSK	50	50	13.52	13.54	13.45		
20	QPSK	100	0	13.29	13.61	13.43		
20	16QAM	1	0	13.50	13.80	13.67		
20	16QAM	1	49	13.72	13.63	13.57		
20	16QAM	1	99	13.77	13.61	13.57		
20	16QAM	50	0	13.62	13.60	13.55		
20	16QAM	50	24	13.42	13.58	13.40		
20	16QAM	50	50	13.54	13.63	13.52		
20	16QAM	100	0	13.56	13.65	13.36		
20	64QAM	1	0	13.49	13.58	13.80		
20	64QAM	1	49	13.62	13.78	13.68		
20	64QAM	1	99	13.81	13.76	13.54		
20	64QAM	50	0	13.57	13.65	13.50		
20	64QAM	50	24	13.64	13.55	13.58		
20	64QAM	50	50	13.62	13.65	13.62		
20	64QAM	100	0	13.40	13.61	13.37		
Channel								
Frequency (MHz)								
15	QPSK	1	0	13.49	13.76	13.58	14.9	0
15	QPSK	1	37	13.77	13.63	13.59		
15	QPSK	1	74	13.67	13.49	13.67		
15	QPSK	36	0	13.52	13.51	13.45		
15	QPSK	36	20	13.41	13.49	13.34		
15	QPSK	36	39	13.42	13.48	13.41		
15	QPSK	75	0	13.33	13.49	13.32		
15	16QAM	1	0	13.37	13.47	13.57		
15	16QAM	1	37	13.63	13.58	13.51		
15	16QAM	1	74	13.64	13.58	13.52		
15	16QAM	36	0	13.51	13.56	13.47		
15	16QAM	36	20	13.29	13.50	13.30		
15	16QAM	36	39	13.49	13.52	13.46		
15	16QAM	75	0	13.48	13.51	13.24		
15	64QAM	1	0	13.40	13.45	13.47		
15	64QAM	1	37	13.50	13.75	13.56		
15	64QAM	1	74	13.75	13.72	13.43		
15	64QAM	36	0	13.42	13.55	13.38		
15	64QAM	36	20	13.53	13.40	13.43		
15	64QAM	36	39	13.53	13.38	13.58		
15	64QAM	75	0	13.63	13.46	13.34		
Channel								
Frequency (MHz)								
10	QPSK	1	0	13.55	13.71	13.59	14.9	0
10	QPSK	1	25	13.76	13.63	13.60		
10	QPSK	1	49	13.62	13.50	13.64		
10	QPSK	25	0	13.49	13.46	13.42		
10	QPSK	25	12	13.48	13.55	13.32		
10	QPSK	25	26	13.48	13.51	13.38		
10	QPSK	50	0	13.27	13.54	13.35		
10	16QAM	1	0	13.38	13.55	13.54		
10	16QAM	1	25	13.67	13.55	13.50		
10	16QAM	1	49	13.73	13.58	13.46		
10	16QAM	25	0	13.50	13.53	13.47		
10	16QAM	25	12	13.34	13.43	13.26		
10	16QAM	25	26	13.46	13.48	13.42		
10	16QAM	50	0	13.46	13.55	13.21		
10	64QAM	1	0	13.43	13.51	13.51		
10	64QAM	1	25	13.57	13.75	13.81		
10	64QAM	1	49	13.74	13.65	13.46		
10	64QAM	25	0	13.42	13.56	13.44		
10	64QAM	25	12	13.59	13.52	13.44		
10	64QAM	25	26	13.52	13.48	13.48		
10	64QAM	50	0	13.62	13.55	13.27		
Channel								
Frequency (MHz)								
5	QPSK	1	0	13.58	13.75	13.64	14.9	0
5	QPSK	1	12	13.72	13.64	13.56		
5	QPSK	1	24	13.64	13.58	13.68		
5	QPSK	12	0	13.50	13.54	13.38		
5	QPSK	12	7	13.45	13.48	13.27		
5	QPSK	12	13	13.45	13.41	13.36		
5	QPSK	25	0	13.32	13.54	13.39		
5	16QAM	1	0	13.47	13.45	13.61		
5	16QAM	1	12	13.60	13.50	13.45		
5	16QAM	1	24	13.70	13.54	13.53		
5	16QAM	12	0	13.55	13.49	13.41		
5	16QAM	12	7	13.37	13.47	13.31		
5	16QAM	12	13	13.47	13.42	13.37		
5	16QAM	25	0	13.42	13.51	13.27		
5	64QAM	1	0	13.42	13.49	13.51		
5	64QAM	1	12	13.50	13.79	13.56		
5	64QAM	1	24	13.76	13.71	13.40		
5	64QAM	12	0	13.43	13.59	13.37		
5	64QAM	12	7	13.51	13.46	13.46		
5	64QAM	12	13	13.48	13.54	13.54		
5	64QAM	25	0	13.60	13.54	13.25		
Channel								
Frequency (MHz)								
3	QPSK	1	0	13.50	13.89	13.80	14.9	0
3	QPSK	1	8	13.67	13.81	13.50		
3	QPSK	1	14	13.60	13.53	13.70		
3	QPSK	8	0	13.44	13.54	13.38		
3	QPSK	8	4	13.39	13.63	13.34		
3	QPSK	8	7	13.47	13.47	13.38		
3	QPSK	15	0	13.35	13.57	13.34		
3	16QAM	1	0	13.40	13.48	13.55		
3	16QAM	1	8	13.68	13.56	13.49		
3	16QAM	1	14	13.73	13.57	13.47		
3	16QAM	8	0	13.56	13.53	13.42		
3	16QAM	8	4	13.31	13.50	13.34		
3	16QAM	8	7	13.49	13.53	13.39		
3	16QAM	15	0	13.49	13.61	13.28		
3	64QAM	1	0	13.42	13.53	13.51		
3	64QAM	1	8	13.49	13.79	13.57		
3	64QAM	1	14	13.76	13.69	13.48		
3	64QAM	8	0	13.51	13.59	13.36		
3	64QAM	8	4	13.50	13.47	13.52		
3	64QAM	8	7	13.59	13.58	13.58		
3	64QAM	15	0	13.61	13.46	13.25		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	13.55	13.77	13.58	14.9	0
1.4	QPSK	1	3	13.74	13.63	13.50		
1.4	QPSK	1	5	13.63	13.49	13.74		
1.4	QPSK	3	0	13.53	13.55	13.40		
1.4	QPSK	3	1	13.49	13.62	13.24		
1.4	QPSK	3	3	13.44	13.42	13.41		
1.4	QPSK	6	0	13.29	13.54	13.35		
1.4	16QAM	1	0	13.43	13.46	13.53		
1.4	16QAM	1	3	13.59	13.53	13.47		
1.4	16QAM	1	5	13.65	13.52	13.43		
1.4	16QAM	3	0	13.58	13.53	13.44		
1.4	16QAM	3	1	13.27	13.45	13.27		
1.4	16QAM	3	3	13.48	13.55	13.43		
1.4	16QAM	6	0	13.48	13.55	13.30		
1.4	64QAM	1	0	13.42	13.46	13.51		
1.4	64QAM	1	3	13.49	13.75	13.57		
1.4	64QAM	1	5	13.66	13.69	13.40		
1.4	64QAM	3	0	13.53	13.54	13.42		
1.4	64QAM	3	1	13.55	13.47	13.45		
1.4	64QAM	3	3	13.48	13.62	13.53		
1.4	64QAM	6	0	13.62	13.54	13.29		

Band 4 Ant 6 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								
Frequency (MHz)								
20	QPSK	1	0	16.43	16.62	16.51	17.9	0
20	QPSK	1	49	16.58	16.48	16.41		
20	QPSK	1	99	16.53	16.46	16.54		
20	QPSK	50	0	16.35	16.45	16.27		
20	QPSK	50	24	16.30	16.42	16.19		
20	QPSK	50	50	16.36	16.34	16.21		
20	QPSK	100	0	16.48	16.37	16.15		
20	16QAM	1	0	16.34	16.35	16.46		
20	16QAM	1	49	16.52	16.44	16.36		
20	16QAM	1	99	16.58	16.44	16.40		
20	16QAM	50	0	16.38	16.39	16.36		
20	16QAM	50	24	16.26	16.36	16.23		
20	16QAM	50	50	16.29	16.39	16.30		
20	16QAM	100	0	16.39	16.44	16.16		
20	64QAM	1	0	16.30	16.31	16.39		
20	64QAM	1	49	16.39	16.57	16.46		
20	64QAM	1	99	16.55	16.51	16.29		
20	64QAM	50	0	16.41	16.44	16.28		
20	64QAM	50	24	16.37	16.31	16.39		
20	64QAM	50	50	16.43	16.43	16.41		
20	64QAM	100	0	16.48	16.37	16.15		
Channel								
Frequency (MHz)								
15	QPSK	1	0	16.31	16.54	16.41	17.9	0
15	QPSK	1	37	16.53	16.39	16.36		
15	QPSK	1	74	16.41	16.33	16.48		
15	QPSK	36	0	16.26	16.38	16.20		
15	QPSK	36	20	16.19	16.37	16.10		
15	QPSK	36	39	16.39	16.30	16.07		
15	QPSK	75	0	16.09	16.31	16.20		
15	16QAM	1	0	16.19	16.23	16.31		
15	16QAM	1	37	16.47	16.36	16.30		
15	16QAM	1	74	16.53	16.39	16.33		
15	16QAM	36	0	16.27	16.35	16.22		
15	16QAM	36	20					



Band 25 Ant 6 DS17									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	13.76	13.86	13.76	14.9	0	
20	QPSK	1	49	13.70	13.57	13.54			
20	QPSK	1	99	13.74	13.72	13.66			
20	QPSK	50	0	13.69	13.76	13.64			
20	QPSK	50	24	13.59	13.64	13.54	14.9	0	
20	QPSK	50	50	13.58	13.67	13.59			
20	QPSK	100	0	13.55	13.63	13.59			
20	16QAM	1	0	13.65	13.67	13.65			
20	16QAM	1	49	13.69	13.72	13.65	14.9	0	
20	16QAM	1	99	13.83	13.76	13.73			
20	16QAM	50	0	13.57	13.62	13.64			
20	16QAM	50	24	13.58	13.67	13.53	14.9	0	
20	16QAM	50	50	13.67	13.72	13.67			
20	16QAM	100	0	13.55	13.67	13.50			
20	64QAM	1	0	13.66	13.65	13.65			
20	64QAM	1	49	13.68	13.83	13.71	14.9	0	
20	64QAM	1	99	13.78	13.74	13.54			
20	64QAM	50	0	13.72	13.73	13.58			
20	64QAM	50	24	13.72	13.62	13.60	14.9	0	
20	64QAM	50	50	13.71	13.65	13.66			
20	64QAM	100	0	13.63	13.74	13.50			
Channel									
Frequency (MHz)									
15	QPSK	1	0	13.69	13.74	13.70	14.9	0	
15	QPSK	1	37	13.65	13.42	13.44			
15	QPSK	1	74	13.66	13.57	13.60			
15	QPSK	36	0	13.61	13.62	13.56			
15	QPSK	36	20	13.46	13.61	13.43	14.9	0	
15	QPSK	36	39	13.55	13.56	13.45			
15	QPSK	75	0	13.47	13.59	13.55			
15	16QAM	1	0	13.56	13.53	13.55			
15	16QAM	1	37	13.77	13.58	13.51	14.9	0	
15	16QAM	1	74	13.72	13.69	13.59			
15	16QAM	36	0	13.53	13.51	13.57			
15	16QAM	36	20	13.50	13.54	13.46	14.9	0	
15	16QAM	36	39	13.58	13.65	13.60			
15	16QAM	75	0	13.42	13.51	13.40			
15	64QAM	1	0	13.57	13.58	13.61			
15	64QAM	1	37	13.60	13.73	13.65	14.9	0	
15	64QAM	1	74	13.68	13.61	13.50			
15	64QAM	36	0	13.60	13.66	13.46			
15	64QAM	36	20	13.68	13.53	13.55	14.9	0	
15	64QAM	36	39	13.64	13.55	13.54			
15	64QAM	75	0	13.76	13.63	13.37			
Channel									
Frequency (MHz)									
10	QPSK	1	0	13.69	13.78	13.69	14.9	0	
10	QPSK	1	25	13.57	13.54	13.45			
10	QPSK	1	49	13.68	13.58	13.61			
10	QPSK	25	0	13.64	13.66	13.50			
10	QPSK	25	12	13.54	13.55	13.40	14.9	0	
10	QPSK	25	25	13.45	13.63	13.48			
10	QPSK	50	0	13.39	13.55	13.45			
10	16QAM	1	0	13.58	13.56	13.65			
10	16QAM	1	25	13.82	13.58	13.57	14.9	0	
10	16QAM	1	49	13.68	13.64	13.62			
10	16QAM	25	0	13.49	13.57	13.51			
10	16QAM	25	12	13.53	13.58	13.48	14.9	0	
10	16QAM	25	25	13.63	13.63	13.62			
10	16QAM	50	0	13.45	13.56	13.38			
10	64QAM	1	0	13.53	13.56	13.56			
10	64QAM	1	25	13.62	13.74	13.64	14.9	0	
10	64QAM	1	49	13.67	13.64	13.42			
10	64QAM	25	0	13.66	13.61	13.55			
10	64QAM	25	12	13.63	13.49	13.56	14.9	0	
10	64QAM	25	25	13.66	13.51	13.51			
10	64QAM	50	0	13.77	13.68	13.43			
Channel									
Frequency (MHz)									
5	QPSK	1	0	13.66	13.68	13.63	14.9	0	
5	QPSK	1	12	13.55	13.46	13.45			
5	QPSK	1	24	13.60	13.58	13.53			
5	QPSK	12	0	13.59	13.61	13.61			
5	QPSK	12	7	13.64	13.54	13.48	14.9	0	
5	QPSK	12	13	13.54	13.60	13.49			
5	QPSK	25	0	13.46	13.57	13.47			
5	16QAM	1	0	13.55	13.56	13.65			
5	16QAM	1	12	13.82	13.67	13.55	14.9	0	
5	16QAM	1	24	13.72	13.69	13.67			
5	16QAM	12	0	13.47	13.53	13.52			
5	16QAM	12	7	13.48	13.56	13.49	14.9	0	
5	16QAM	12	13	13.63	13.62	13.64			
5	16QAM	25	0	13.48	13.56	13.47			
5	64QAM	1	0	13.60	13.61	13.62			
5	64QAM	1	12	13.62	13.71	13.57	14.9	0	
5	64QAM	1	24	13.71	13.69	13.46			
5	64QAM	12	0	13.59	13.63	13.50			
5	64QAM	12	7	13.60	13.55	13.46	14.9	0	
5	64QAM	12	13	13.61	13.56	13.58			
5	64QAM	25	0	13.74	13.64	13.42			
Channel									
Frequency (MHz)									
3	QPSK	1	0	13.67	13.73	13.65	14.9	0	
3	QPSK	1	8	13.59	13.53	13.44			
3	QPSK	1	14	13.67	13.67	13.63			
3	QPSK	8	0	13.63	13.73	13.53			
3	QPSK	8	4	13.54	13.58	13.47	14.9	0	
3	QPSK	8	7	13.48	13.60	13.54			
3	QPSK	15	0	13.43	13.60	13.46			
3	16QAM	1	0	13.60	13.57	13.56			
3	16QAM	1	8	13.75	13.60	13.56	14.9	0	
3	16QAM	1	14	13.73	13.66	13.64			
3	16QAM	8	0	13.44	13.51	13.51			
3	16QAM	8	4	13.45	13.59	13.44	14.9	0	
3	16QAM	8	7	13.52	13.69	13.58			
3	16QAM	15	0	13.41	13.55	13.38			
3	64QAM	1	0	13.59	13.59	13.57			
3	64QAM	1	8	13.57	13.75	13.59	14.9	0	
3	64QAM	1	14	13.66	13.69	13.51			
3	64QAM	8	0	13.69	13.59	13.49			
3	64QAM	8	4	13.64	13.46	13.46	14.9	0	
3	64QAM	8	7	13.63	13.57	13.62			
3	64QAM	15	0	13.76	13.65	13.45			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	13.72	13.76	13.62	14.9	0	
1.4	QPSK	1	3	13.57	13.51	13.50			
1.4	QPSK	1	5	13.59	13.60	13.55			
1.4	QPSK	3	0	13.56	13.67	13.52			
1.4	QPSK	3	1	13.48	13.51	13.51	14.9	0	
1.4	QPSK	3	3	13.53	13.60	13.50			
1.4	QPSK	6	0	13.47	13.49	13.48	14.9	0	
1.4	16QAM	1	0	13.56	13.61	13.64			
1.4	16QAM	1	3	13.84	13.60	13.53			
1.4	16QAM	1	5	13.72	13.69	13.66	14.9	0	
1.4	16QAM	3	0	13.53	13.57	13.49			
1.4	16QAM	3	1	13.50	13.62	13.41			
1.4	16QAM	3	3	13.58	13.62	13.53			
1.4	16QAM	6	0	13.46	13.60	13.44	14.9	0	
1.4	64QAM	1	0	13.61	13.51	13.59			
1.4	64QAM	1	3	13.62	13.72	13.65			
1.4	64QAM	1	5	13.66	13.66	13.43	14.9	0	
1.4	64QAM	3	0	13.62	13.62	13.47			
1.4	64QAM	3	1	13.61	13.55	13.56			
1.4	64QAM	3	3	13.64	13.55	13.57			
1.4	64QAM	6	0	13.70	13.61	13.38	14.9	0	

Band 66 Ant 6 DS17									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	16.84	16.85	16.74	17.9	0	
20	QPSK	1	49	16.67	16.61	16.55			
20	QPSK	1	99	16.69	16.65	16.62			
20	QPSK	50	0	16.73	16.76	16.66			
20	QPSK	50	24	16.60	16.63	16.47	17.9	0	
20</									



Band 38 Ant 6 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				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	14.38	14.58	14.53	15.6	0		
20	QPSK	1	49	14.43	14.27	14.42				
20	QPSK	1	99	14.47	14.40	14.34	15.6	0		
20	QPSK	50	0	14.43	14.53	14.44				
20	QPSK	50	24	14.37	14.24	14.36	15.6	0		
20	QPSK	50	50	14.23	14.38	14.27				
20	QPSK	100	0	14.35	14.47	14.41	15.6	0		
20	16QAM	1	0	14.48	14.28	14.34				
20	16QAM	1	49	14.46	14.34	14.52	15.6	0		
20	16QAM	1	99	14.42	14.23	14.29				
20	16QAM	50	0	14.35	14.24	14.23	15.6	0		
20	16QAM	50	24	14.14	14.20	14.24				
20	16QAM	50	50	14.24	14.34	14.23	15.6	0		
20	16QAM	100	0	14.18	14.26	14.11				
20	64QAM	1	0	14.22	14.44	14.45	15.6	0		
20	64QAM	1	49	14.30	14.44	14.39				
20	64QAM	1	99	14.46	14.54	14.46	15.6	0		
20	64QAM	50	0	14.41	14.28	14.35				
20	64QAM	50	24	14.49	14.44	14.44	15.6	0		
20	64QAM	50	50	14.18	14.49	14.14				
20	64QAM	100	0	14.42	14.28	14.35				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	14.25	14.50	14.47	15.6	0		
15	QPSK	1	37	14.32	14.23	14.29				
15	QPSK	1	74	14.39	14.32	14.20	15.6	0		
15	QPSK	36	0	14.29	14.41	14.36				
15	QPSK	36	20	14.24	14.14	14.22	15.6	0		
15	QPSK	36	39	14.14	14.25	14.16				
15	QPSK	75	0	14.21	14.35	14.32	15.6	0		
15	16QAM	1	0	14.36	14.20	14.29				
15	16QAM	1	37	14.35	14.20	14.48	15.6	0		
15	16QAM	1	74	14.37	14.16	14.14				
15	16QAM	36	0	14.29	14.21	14.11	15.6	0		
15	16QAM	36	20	14.09	14.16	14.16				
15	16QAM	36	39	14.17	14.21	14.11	15.6	0		
15	16QAM	75	0	14.14	14.13	14.02				
15	64QAM	1	0	14.18	14.30	14.40	15.6	0		
15	64QAM	1	37	14.16	14.35	14.33				
15	64QAM	1	74	14.41	14.47	14.42	15.6	0		
15	64QAM	36	0	14.32	14.21	14.22				
15	64QAM	36	20	14.37	14.33	14.40	15.6	0		
15	64QAM	36	39	14.13	14.37	14.02				
15	64QAM	75	0	14.29	14.13	14.27				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	14.27	14.45	14.41	15.6	0		
10	QPSK	1	25	14.30	14.14	14.32				
10	QPSK	1	49	14.37	14.28	14.25	15.6	0		
10	QPSK	25	0	14.31	14.41	14.32				
10	QPSK	25	12	14.34	14.20	14.27	15.6	0		
10	QPSK	25	25	14.12	14.34	14.23				
10	QPSK	50	0	14.20	14.40	14.37	15.6	0		
10	16QAM	1	0	14.39	14.16	14.20				
10	16QAM	1	25	14.38	14.31	14.44	15.6	0		
10	16QAM	1	49	14.39	14.10	14.20				
10	16QAM	25	0	14.23	14.13	14.17	15.6	0		
10	16QAM	25	12	14.03	14.11	14.21				
10	16QAM	25	25	14.14	14.31	14.09	15.6	0		
10	16QAM	50	0	14.13	14.20	14.04				
10	64QAM	1	0	14.17	14.34	14.33	15.6	0		
10	64QAM	1	25	14.15	14.36	14.30				
10	64QAM	1	49	14.39	14.48	14.35	15.6	0		
10	64QAM	25	0	14.26	14.15	14.31				
10	64QAM	25	12	14.40	14.37	14.34	15.6	0		
10	64QAM	25	25	14.07	14.37	14.09				
10	64QAM	50	0	14.37	14.19	14.25				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	14.34	14.49	14.44	15.6	0		
5	QPSK	1	12	14.38	14.14	14.32				
5	QPSK	1	24	14.38	14.25	14.20	15.6	0		
5	QPSK	12	0	14.31	14.45	14.31				
5	QPSK	12	7	14.27	14.15	14.29	15.6	0		
5	QPSK	12	13	14.10	14.24	14.15				
5	QPSK	25	0	14.26	14.35	14.34	15.6	0		
5	16QAM	1	0	14.39	14.21	14.23				
5	16QAM	1	12	14.39	14.30	14.48	15.6	0		
5	16QAM	1	24	14.38	14.17	14.16				
5	16QAM	12	0	14.28	14.09	14.19	15.6	0		
5	16QAM	12	7	14.07	14.06	14.14				
5	16QAM	12	13	14.17	14.28	14.17	15.6	0		
5	16QAM	25	0	14.08	14.14	14.04				
5	64QAM	1	0	14.10	14.34	14.31	15.6	0		
5	64QAM	1	12	14.15	14.34	14.32				
5	64QAM	1	24	14.35	14.42	14.37	15.6	0		
5	64QAM	12	0	14.33	14.16	14.22				
5	64QAM	12	7	14.35	14.32	14.34	15.6	0		
5	64QAM	12	13	14.14	14.38	14.06				
5	64QAM	25	0	14.32	14.24	14.31				

Band 41 Ant 6 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	14.56	14.44	14.66	14.59	14.47	15.6	0
20	QPSK	1	49	14.37	14.50	14.37	14.52	14.38		
20	QPSK	1	99	14.51	14.52	14.46	14.41	14.53	15.6	0
20	QPSK	50	0	14.53	14.54	14.60	14.56	14.58		
20	QPSK	50	24	14.35	14.45	14.32	14.41	14.41	15.6	0
20	QPSK	50	50	14.28	14.31	14.44	14.37	14.45		
20	QPSK	100	0	14.46	14.40	14.54	14.53	14.43	15.6	0
20	16QAM	1	0	14.42	14.51	14.42	14.40	14.39		
20	16QAM	1	49	14.53	14.50	14.40	14.61	14.56	15.6	0
20	16QAM	1	99	14.39	14.46	14.32	14.36	14.53		
20	16QAM	50	0	14.48	14.39	14.35	14.33	14.42	15.6	0
20	16QAM	50	24	14.39	14.26	14.31	14.36	14.29		
20	16QAM	50	50	14.37	14.30	14.40	14.27	14.34	15.6	0
20	16QAM	100	0	14.38	14.27	14.38	14.24	14.29		
20	64QAM	1	0	14.34	14.32	14.54	14.49	14.36	15.6	0
20	64QAM	1	49	14.54	14.43	14.48	14.53	14.57		
20	64QAM	1	99	14.63	14.58	14.59	14.60	14.56	15.6	0
20	64QAM	50	0	14.58	14.54	14.35	14.48	14.50		
20	64QAM	50	24	14.54	14.62	14.53	14.55	14.53	15.6	0
20	64QAM	50	50	14.31	14.32	14.54	14.26	14.29		
20	64QAM	100	0	14.47	14.53	14.32	14.48	14.31		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	14.48	14.37	14.60	14.56	14.43	15.60	0
15	QPSK	1	37	14.25	14.40	14.25	14.39	14.24		
15	QPSK	1	74	14.46	14.38	14.31	14.26	14.40	15.6	0
15	QPSK	36	0	14.39	14.44	14.50	14.52	14.49		
15	QPSK	36	20	14.23	14.30	14.25	14.32	14.36	15.6	0
15	QPSK	36	39	14.25	14.21	14.41	14.24	14.30		
15	QPSK	75	0	14.42	14.27	14.40	14.44	14.36	15.6	0
15	16QAM	1	0	14.30	14.36	14.36	14.29	14.28		
15	16QAM	1	37	14.50	14.41	14.31	14.57	14.41	15.6	0
15	16QAM	1	74	1						



Reduced Power Level for DSI 9

GSM850 Ant 0 DSI9								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	24.12	336.4	345.8	31.30	32.12	336.4	345.8	22.30
GSM 1 Tx slot	29.95	30.23	30.21	31.30	20.99	21.23	21.21	22.30
GPRS 1 Tx slot	29.95	30.00	30.25	31.30	20.95	21.00	21.25	22.30
GPRS 2 Tx slots	26.38	26.50	26.52	28.30	20.38	20.50	20.52	22.30
GPRS 3 Tx slots	24.60	24.67	24.67	26.50	20.34	20.41	20.41	22.24
GPRS 4 Tx slots	23.31	23.43	23.37	25.30	20.31	20.43	20.37	22.30
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI9					
Band TX Channel	WCDMA V			Tune-up Limit (dBm)	
	4182	4182	4233		
Rx Channel	4357	4407	4453		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.49	21.62	21.47	22.30
3GPP Rel 99	RMC 12.2Kbps	21.58	21.68	21.53	22.30
3GPP Rel 6	HSDPA Subtest-1	18.14	18.29	18.28	19.30
3GPP Rel 6	HSDPA Subtest-2	18.21	18.32	18.33	19.30
3GPP Rel 6	HSDPA Subtest-3	19.74	19.79	19.78	20.80
3GPP Rel 6	HSDPA Subtest-4	19.69	19.89	19.78	20.80
3GPP Rel 8	DC-HSDPA Subtest-1	18.12	18.46	18.27	19.30
3GPP Rel 8	DC-HSDPA Subtest-2	18.20	18.33	18.36	19.30
3GPP Rel 8	DC-HSDPA Subtest-3	19.77	19.88	19.84	20.80
3GPP Rel 8	DC-HSDPA Subtest-4	19.79	19.88	19.88	20.80
3GPP Rel 6	HSUPA Subtest-1	18.25	18.28	18.24	19.30
3GPP Rel 6	HSUPA Subtest-2	16.15	16.37	16.29	17.30
3GPP Rel 6	HSUPA Subtest-3	17.19	17.35	17.39	18.30
3GPP Rel 6	HSUPA Subtest-4	16.21	16.34	16.25	17.30
3GPP Rel 6	HSUPA Subtest-5	18.24	18.38	18.33	19.30



Band 5 Ant 0 DS19										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.24	21.38	21.20	22.3	0		
10	QPSK	1	25	21.22	21.18	21.16				
10	QPSK	1	49	21.27	21.28	21.10	22.3	0		
10	QPSK	25	0	21.27	21.33	21.23				
10	QPSK	25	12	21.20	21.20	21.12	22.3	0		
10	QPSK	25	25	21.27	21.23	21.21				
10	QPSK	50	0	21.28	21.29	21.26	22.3	0		
10	16QAM	1	0	21.15	21.20	21.23				
10	16QAM	1	25	21.27	21.33	21.14	22.3	0		
10	16QAM	1	49	21.32	21.31	21.30				
10	16QAM	25	0	21.19	21.25	21.19	22.3	0		
10	16QAM	25	12	21.22	21.22	21.18				
10	16QAM	25	25	21.20	21.29	21.32	22.3	0		
10	16QAM	50	0	21.18	21.23	21.14				
10	64QAM	1	0	21.21	21.26	21.08	22.3	0		
10	64QAM	1	25	21.32	21.32	21.28				
10	64QAM	1	49	21.23	21.25	21.21	22.3	0		
10	64QAM	25	0	21.13	21.22	21.13				
10	64QAM	25	12	21.21	21.34	21.25	22.3	0		
10	64QAM	25	25	21.16	21.29	21.08				
10	64QAM	50	0	21.20	21.23	21.08				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.12	21.30	21.14	22.3	0		
5	QPSK	1	12	21.11	21.12	21.06				
5	QPSK	1	24	21.17	21.13	20.97	22.3	0		
5	QPSK	12	0	21.13	21.24	21.20				
5	QPSK	12	7	21.10	21.11	21.05	22.3	0		
5	QPSK	12	13	21.24	21.09	21.13				
5	QPSK	25	0	21.19	21.21	21.16	22.3	0		
5	16QAM	1	0	21.01	21.07	21.09				
5	16QAM	1	12	21.22	21.28	21.08	22.3	0		
5	16QAM	1	24	21.20	21.16	21.18				
5	16QAM	12	0	21.07	21.16	21.08	22.3	0		
5	16QAM	12	7	21.11	21.13	21.09				
5	16QAM	12	13	21.14	21.24	21.17	22.3	0		
5	16QAM	25	0	21.09	21.18	21.04				
5	64QAM	1	0	21.15	21.21	20.96	22.3	0		
5	64QAM	1	12	21.27	21.18	21.15				
5	64QAM	1	24	21.19	21.17	21.07	22.3	0		
5	64QAM	12	0	21.08	21.11	21.02				
5	64QAM	12	7	21.11	21.19	21.12	22.3	0		
5	64QAM	12	13	21.03	21.19	20.96				
5	64QAM	25	0	21.08	21.13	21.04				
Channel				20416	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				835.5	836.5	847.5				
3	QPSK	1	0	21.19	21.28	21.05	22.3	0		
3	QPSK	1	8	21.18	21.12	21.01				
3	QPSK	1	14	21.15	21.22	21.07	22.3	0		
3	QPSK	8	0	21.24	21.20	21.14				
3	QPSK	8	4	21.13	21.12	21.05	22.3	0		
3	QPSK	8	7	21.17	21.09	21.17				
3	QPSK	15	0	21.20	21.25	21.22	22.3	0		
3	16QAM	1	0	21.11	21.14	21.17				
3	16QAM	1	8	21.16	21.24	21.06	22.3	0		
3	16QAM	1	14	21.26	21.22	21.23				
3	16QAM	8	0	21.15	21.17	21.12	22.3	0		
3	16QAM	8	4	21.14	21.18	21.10				
3	16QAM	8	7	21.15	21.16	21.23	22.3	0		
3	16QAM	15	0	21.10	21.10	21.03				
3	64QAM	1	0	21.11	21.12	20.96	22.3	0		
3	64QAM	1	8	21.26	21.19	21.22				
3	64QAM	1	14	21.16	21.19	21.10	22.3	0		
3	64QAM	8	0	21.02	21.15	21.09				
3	64QAM	8	4	21.17	21.23	21.11	22.3	0		
3	64QAM	8	7	21.01	21.22	21.03				
3	64QAM	15	0	21.09	21.10	20.96				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.10	21.24	21.05	22.3	0		
1.4	QPSK	1	3	21.08	21.06	21.05				
1.4	QPSK	1	5	21.21	21.18	21.03	22.3	0		
1.4	QPSK	3	0	21.23	21.18	21.13				
1.4	QPSK	3	1	21.08	21.16	20.97	22.3	0		
1.4	QPSK	3	3	21.16	21.19	21.12				
1.4	QPSK	6	0	21.22	21.19	21.19	22.3	0		
1.4	16QAM	1	0	21.06	21.13	21.15				
1.4	16QAM	1	3	21.15	21.20	21.07	22.3	0		
1.4	16QAM	1	5	21.22	21.28	21.17				
1.4	16QAM	3	0	21.14	21.16	21.08	22.3	0		
1.4	16QAM	3	1	21.16	21.08	21.12				
1.4	16QAM	3	3	21.06	21.25	21.19	22.3	0		
1.4	16QAM	6	0	21.15	21.15	21.02				
1.4	64QAM	1	0	21.12	21.17	20.98	22.3	0		
1.4	64QAM	1	3	21.28	21.21	21.23				
1.4	64QAM	1	5	21.18	21.13	21.08	22.3	0		
1.4	64QAM	3	0	21.04	21.17	21.00				
1.4	64QAM	3	1	21.14	21.24	21.20	22.3	0		
1.4	64QAM	3	3	21.12	21.24	21.04				
1.4	64QAM	6	0	21.06	21.17	20.97				

Band 12 Ant 0 DS19										
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				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	21.37	21.53	21.30	22.3	0		
10	QPSK	1	25	21.31	21.32	21.28				
10	QPSK	1	49	21.36	21.45	21.17	22.3	0		
10	QPSK	25	0	21.35	21.46	21.31				
10	QPSK	25	12	21.36	21.29	21.18	22.3	0		
10	QPSK	25	25	21.43	21.35	21.30				
10	QPSK	50	0	21.40	21.45	21.32	22.3	0		
10	16QAM	1	0	21.22	21.28	21.37				
10	16QAM	1	25	21.40	21.48	21.31	22.3	0		
10	16QAM	1	49	21.48	21.47	21.36				
10	16QAM	25	0	21.31	21.41	21.28	22.3	0		
10	16QAM	25	12	21.28	21.30	21.31				
10	16QAM	25	25	21.33	21.43	21.47	22.3	0		
10	16QAM	50	0	21.26	21.32	21.23				
10	64QAM	1	0	21.36	21.37	21.16	22.3	0		
10	64QAM	1	25	21.43	21.45	21.42				
10	64QAM	1	49	21.37	21.35	21.26	22.3	0		
10	64QAM	25	0	21.23	21.36	21.26				
10	64QAM	25	12	21.33	21.41	21.35	22.3	0		
10	64QAM	25	25	21.29	21.43	21.14				
10	64QAM	50	0	21.35	21.29	21.15				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	21.30	21.46	21.22	22.3	0		
5	QPSK	1	12	21.18	21.17	21.08				
5	QPSK	1	24	21.30	21.29	21.07	22.3	0		
5	QPSK	12	0	21.36	21.31	21.22				
5	QPSK	12	7	21.23	21.12	21.03	22.3	0		
5	QPSK	12	13	21.34	21.27	21.23				
5	QPSK	25	0	21.29	21.23	21.23	22.3	0		
5	16QAM	1	0	21.18	21.24	21.23				
5	16QAM	1	12	21.27	21.32	21.21	22.3	0		
5	16QAM	1	24	21.32	21.29	21.30				
5	16QAM	12	0	21.21	21.29	21.16	22.3	0		
5	16QAM	12	7	21.18	21.13	21.11				
5	16QAM	12	13	21.15	21.32	21.41	22.3	0		
5	16QAM	25	0	21.24	21.21	21.21				
5	64QAM	1	0	21.27	21.22	21.10	22.3	0		
5	64QAM	1	12	21.25	21.27	21.23				
5	64QAM	1	24	21.25	21.27	21.19	22.3	0		
5	64QAM	12	0	21.17	21.32	21.21				
5	64QAM	12	7	21.34	21.40	21.29	22.3	0		
5	64QAM	12	13	21.23	21.31	21.13				
5	64QAM	25	0	21.30	21.23	21.12				
Channel				23065	23095	23165	Tune-up limit (dBm)			



Band 17 Ant 0 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.39	21.49	21.25	22.3	0	
10	QPSK	1	25	21.22	21.34	21.23			
10	QPSK	1	49	21.38	21.46	21.24			
10	QPSK	25	0	21.36	21.38	21.24	22.3	0	
10	QPSK	25	12	21.23	21.30	21.19			
10	QPSK	25	25	21.29	21.28	21.25			
10	QPSK	50	0	21.32	21.34	21.25	22.3	0	
10	16QAM	1	0	21.12	21.29	21.28			
10	16QAM	1	25	21.34	21.39	21.21			
10	16QAM	1	49	21.41	21.45	21.37	22.3	0	
10	16QAM	25	0	21.27	21.38	21.28			
10	16QAM	25	12	21.19	21.30	21.25			
10	16QAM	25	25	21.27	21.41	21.42	22.3	0	
10	16QAM	50	0	21.22	21.33	21.16			
10	64QAM	1	0	21.34	21.34	21.26			
10	64QAM	1	25	21.45	21.42	21.43	22.3	0	
10	64QAM	1	49	21.31	21.26	21.26			
10	64QAM	25	0	21.22	21.32	21.24			
10	64QAM	25	12	21.35	21.40	21.31	22.3	0	
10	64QAM	25	25	21.30	21.44	21.28			
10	64QAM	50	0	21.35	21.28	21.15			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.26	21.39	21.13	22.3	0	
5	QPSK	1	12	21.11	21.26	21.09			
5	QPSK	1	24	21.25	21.37	21.12			
5	QPSK	12	0	21.24	21.24	21.17	22.3	0	
5	QPSK	12	7	21.10	21.21	21.12			
5	QPSK	12	13	21.24	21.14	21.13			
5	QPSK	25	0	21.18	21.31	21.11	22.3	0	
5	16QAM	1	0	21.04	21.18	21.15			
5	16QAM	1	12	21.25	21.37	21.15			
5	16QAM	1	24	21.40	21.34	21.24	22.3	0	
5	16QAM	12	0	21.19	21.31	21.24			
5	16QAM	12	7	21.08	21.24	21.11			
5	16QAM	12	13	21.14	21.30	21.39	22.3	0	
5	16QAM	25	0	21.09	21.28	21.02			
5	64QAM	1	0	21.20	21.22	21.22			
5	64QAM	1	12	21.35	21.31	21.33	22.3	0	
5	64QAM	1	24	21.18	21.22	21.21			
5	64QAM	12	0	21.08	21.19	21.13			
5	64QAM	12	7	21.29	21.31	21.16	22.3	0	
5	64QAM	12	13	21.21	21.35	21.16			
5	64QAM	25	0	21.32	21.19	21.01			

Band 26 Ant 0 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.27	21.44	21.33	22.3	0	
15	QPSK	1	37	21.25	21.29	21.30			
15	QPSK	1	74	21.25	21.31	21.36			
15	QPSK	36	0	21.28	21.29	21.18	22.3	0	
15	QPSK	36	20	21.14	21.16	21.10			
15	QPSK	36	39	21.18	21.17	21.12			
15	QPSK	75	0	21.20	21.28	21.18	22.3	0	
15	16QAM	1	0	20.97	21.20	21.17			
15	16QAM	1	37	21.22	21.32	21.10			
15	16QAM	1	74	21.26	21.34	21.30	22.3	0	
15	16QAM	36	0	21.13	21.24	21.24			
15	16QAM	36	20	21.13	21.19	21.16			
15	16QAM	36	39	21.20	21.29	21.28	22.3	0	
15	16QAM	75	0	21.16	21.23	21.10			
15	64QAM	1	0	21.20	21.25	21.16			
15	64QAM	1	37	21.38	21.30	21.28	22.3	0	
15	64QAM	1	74	21.18	21.20	21.16			
15	64QAM	36	0	21.13	21.21	21.20			
15	64QAM	36	20	21.22	21.32	21.25	22.3	0	
15	64QAM	36	39	21.22	21.33	21.13			
15	64QAM	75	0	21.22	21.13	21.03			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.18	21.39	21.09	22.3	0	
10	QPSK	1	25	21.14	21.14	21.01			
10	QPSK	1	49	21.17	21.27	21.09			
10	QPSK	25	0	21.24	21.20	21.13	22.3	0	
10	QPSK	25	12	21.04	21.10	21.00			
10	QPSK	25	25	21.12	21.10	21.01			
10	QPSK	50	0	21.17	21.09	21.12	22.3	0	
10	16QAM	1	0	20.88	21.08	21.07			
10	16QAM	1	25	21.18	21.27	21.04			
10	16QAM	1	49	21.18	21.25	21.23	22.3	0	
10	16QAM	25	0	20.98	21.20	21.20			
10	16QAM	25	12	21.01	21.08	21.13			
10	16QAM	25	25	21.11	21.25	21.20	22.3	0	
10	16QAM	50	0	21.02	21.20	21.01			
10	64QAM	1	0	21.09	21.20	21.10			
10	64QAM	1	25	21.31	21.18	21.17	22.3	0	
10	64QAM	1	49	21.08	21.16	21.10			
10	64QAM	25	0	21.10	21.16	21.11			
10	64QAM	25	12	21.19	21.22	21.14	22.3	0	
10	64QAM	25	25	21.16	21.18	21.09			
10	64QAM	50	0	21.17	21.00	20.97			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.13	21.32	21.01	22.3	0	
5	QPSK	1	12	21.14	21.16	21.01			
5	QPSK	1	24	21.16	21.21	21.10			
5	QPSK	12	0	21.15	21.25	21.04	22.3	0	
5	QPSK	12	7	21.00	21.03	21.07			
5	QPSK	12	13	21.04	21.10	21.01			
5	QPSK	25	0	21.16	21.15	21.03	22.3	0	
5	16QAM	1	0	20.85	21.07	21.13			
5	16QAM	1	12	21.14	21.22	21.02			
5	16QAM	1	24	21.22	21.21	21.23	22.3	0	
5	16QAM	12	0	20.98	21.16	21.12			
5	16QAM	12	7	21.01	21.07	21.12			
5	16QAM	12	13	21.07	21.24	21.24	22.3	0	
5	16QAM	25	0	21.10	21.18	21.03			
5	64QAM	1	0	21.08	21.10	21.12			
5	64QAM	1	12	21.11	21.17	21.13	22.3	0	
5	64QAM	1	24	21.11	21.17	21.09			
5	64QAM	12	0	21.07	21.16	21.13			
5	64QAM	12	7	21.17	21.28	21.15	22.3	0	
5	64QAM	12	13	21.16	21.28	20.99			
5	64QAM	25	0	21.15	21.04	20.99			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.13	21.34	20.99	22.3	0	
3	QPSK	1	8	21.03	21.25	21.02			
3	QPSK	1	14	21.20	21.24	21.04			
3	QPSK	8	0	21.24	21.22	21.10	22.3	0	
3	QPSK	8	4	21.07	21.04	21.00			
3	QPSK	8	7	21.05	21.07	21.08			
3	QPSK	15	0	21.23	21.14	21.03	22.3	0	
3	16QAM	1	0	20.90	21.15	21.13			
3	16QAM	1	8	21.12	21.29	21.02			
3	16QAM	1	14	21.16	21.22	21.20	22.3	0	
3	16QAM	8	0	21.02	21.14	21.14			
3	16QAM	8	4	21.05	21.09	21.08			
3	16QAM	8	7	21.12	21.26	21.18	22.3	0	
3	16QAM	15	0	21.11	21.16	21.06			
3	64QAM	1	0	21.11	21.17	21.04			
3	64QAM	1	8	21.30	21.16	21.20	22.3	0	
3	64QAM	1	14	21.08	21.09	21.06			
3	64QAM	8	0	21.06	21.16	21.16			
3	64QAM	8	4	21.18	21.24	21.13	22.3	0	
3	64QAM	8	7	21.10	21.28	21.09			
3	64QAM	15	0	21.14	21.10	20.89			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.16	21.40	21.03	22.3	0	
1.4	QPSK	1	3	21.11	21.26	21.05			
1.4	QPSK	1	5	21.21	21.17	21.05			
1.4	QPSK	3	0	21.14	21.19	21.04	22.3	0	
1.4	QPSK	3	1	21.06	21.03	21.05			
1.4	QPSK	3	3	21.07	21.03	21.07			
1.4	QPSK	6	0	21.17	21.13	21.04	22.3	0	
1.4	16QAM	1	0	20.93	21.08	21.03			
1.4	16QAM	1	3	21.11	21.21	20.99			
1.4	16QAM	1	5	21.13	21.27	21.18			



GSM1900 Ant 1 DSis

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.64	26.51	26.57	27.80	17.64	17.51	17.57	18.80
GPRS 1 Tx slot	23.64	23.43	23.58	27.80	17.54	17.43	17.58	18.80
GPRS 2 Tx slots	22.94	22.87	23.00	24.80	16.94	16.87	17.00	18.80
GPRS 3 Tx slots	21.22	21.14	21.04	23.00	16.96	16.88	16.78	18.74
GPRS 4 Tx slots	20.03	20.06	19.98	21.80	17.03	17.06	16.98	18.80
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSis

WCDMA IV Ant 1 DSis

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1758	
Frequency (MHz)	1822.4	1880	1927.6		1712.4	1722.6	1762.6	
3GPP Rel 99	AMR 12.2Kbps	20.00	20.06	20.19	20.90	19.93	19.92	19.96
3GPP Rel 99	RMC 12.2Kbps	20.19	20.21	20.18	20.90	20.09	20.14	20.13
3GPP Rel 6	HSDPA Subtest-1	19.31	19.49	19.52	20.10	19.43	19.27	19.16
3GPP Rel 6	HSDPA Subtest-2	19.37	19.38	19.35	20.10	19.10	19.31	19.21
3GPP Rel 6	HSDPA Subtest-3	18.84	18.80	18.78	19.40	18.94	18.87	18.77
3GPP Rel 6	HSDPA Subtest-4	18.76	18.86	18.89	19.40	18.75	18.87	18.52
3GPP Rel 8	DC-HSDPA Subtest-1	19.24	19.56	19.47	20.10	19.15	19.37	19.24
3GPP Rel 8	DC-HSDPA Subtest-2	19.43	19.54	19.51	20.10	19.27	19.24	19.38
3GPP Rel 8	DC-HSDPA Subtest-3	18.73	18.89	18.84	19.40	18.55	18.79	18.76
3GPP Rel 8	DC-HSDPA Subtest-4	18.97	18.98	18.70	19.40	18.59	18.83	18.40
3GPP Rel 6	HSUPA Subtest-1	19.63	19.56	19.37	20.10	19.41	19.36	19.27
3GPP Rel 6	HSUPA Subtest-2	16.28	16.37	16.22	16.90	17.28	17.32	17.23
3GPP Rel 6	HSUPA Subtest-3	17.35	17.31	17.20	17.90	18.23	18.40	18.19
3GPP Rel 6	HSUPA Subtest-4	16.26	16.35	16.12	16.90	17.45	17.44	17.42
3GPP Rel 6	HSUPA Subtest-5	19.42	19.73	19.82	20.10	18.96	19.37	19.28



Band 2 Ant 1 DS19									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1850	1890	1930			
20	QPSK	1	49	19.62	19.57	19.57	20.9	0	
20	QPSK	1	99	19.67	19.66	19.63			
20	QPSK	50	0	19.67	19.73	19.67			
20	QPSK	50	24	19.59	19.63	19.71	20.9	0	
20	QPSK	50	50	19.67	19.68	19.68			
20	QPSK	100	0	19.65	19.70	19.69			
20	16QAM	1	0	19.53	19.57	19.52	20.9	0	
20	16QAM	1	49	19.66	19.74	19.59			
20	16QAM	1	99	19.70	19.76	19.77			
20	16QAM	50	0	19.57	19.65	19.62			
20	16QAM	50	24	19.60	19.60	19.66	20.9	0	
20	16QAM	50	50	19.63	19.65	19.70			
20	16QAM	100	0	19.57	19.61	19.74			
20	84QAM	1	0	19.64	19.72	19.70			
20	84QAM	1	49	19.71	19.70	19.70	20.9	0	
20	84QAM	1	99	19.61	19.70	19.69			
20	84QAM	50	0	19.54	19.66	19.58			
20	84QAM	50	24	19.58	19.76	19.62	20.9	0	
20	84QAM	50	50	19.52	19.69	19.75			
20	84QAM	100	0	19.67	19.68	19.72			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.59	19.72	19.65			
15	QPSK	1	37	19.57	19.44	19.47	20.9	0	
15	QPSK	1	74	19.63	19.58	19.50			
15	QPSK	36	0	19.52	19.57	19.57	20.9	0	
15	QPSK	36	20	19.52	19.57	19.52			
15	QPSK	36	39	19.59	19.62	19.57			
15	QPSK	75	0	19.60	19.64	19.59			
15	16QAM	1	0	19.46	19.46	19.39	20.9	0	
15	16QAM	1	37	19.58	19.64	19.75			
15	16QAM	1	74	19.58	19.65	19.68			
15	16QAM	36	0	19.42	19.53	19.54	20.9	0	
15	16QAM	36	20	19.53	19.52	19.60			
15	16QAM	36	39	19.53	19.52	19.60			
15	16QAM	75	0	19.42	19.58	19.62			
15	84QAM	1	0	19.54	19.67	19.59	20.9	0	
15	84QAM	1	37	19.62	19.60	19.60			
15	84QAM	1	74	19.58	19.60	19.64			
15	84QAM	36	0	19.47	19.52	19.50	20.9	0	
15	84QAM	36	20	19.47	19.73	19.76			
15	84QAM	36	39	19.46	19.62	19.65			
15	84QAM	75	0	19.52	19.59	19.59			
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.58	19.70	19.61			
10	QPSK	1	25	19.52	19.46	19.50	20.9	0	
10	QPSK	1	49	19.52	19.57	19.60			
10	QPSK	25	0	19.63	19.66	19.60			
10	QPSK	25	12	19.53	19.54	19.65	20.9	0	
10	QPSK	25	25	19.53	19.59	19.56			
10	QPSK	50	0	19.44	19.52	19.63	20.9	0	
10	16QAM	1	0	19.42	19.49	19.40			
10	16QAM	1	25	19.57	19.65	19.69	20.9	0	
10	16QAM	1	49	19.62	19.69	19.73			
10	16QAM	25	0	19.50	19.51	19.51			
10	16QAM	25	12	19.54	19.53	19.55	20.9	0	
10	16QAM	25	25	19.49	19.53	19.61			
10	16QAM	50	0	19.46	19.51	19.61			
10	84QAM	1	0	19.51	19.65	19.64	20.9	0	
10	84QAM	1	25	19.63	19.66	19.55			
10	84QAM	1	49	19.57	19.66	19.56			
10	84QAM	25	0	19.49	19.52	19.50	20.9	0	
10	84QAM	25	12	19.45	19.69	19.73			
10	84QAM	25	25	19.43	19.65	19.71			
10	84QAM	50	0	19.60	19.63	19.68			
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.56	19.65	19.58			
5	QPSK	1	12	19.50	19.46	19.50	20.9	0	
5	QPSK	1	24	19.64	19.58	19.58			
5	QPSK	12	0	19.57	19.60	19.59	20.9	0	
5	QPSK	12	7	19.45	19.60	19.62			
5	QPSK	12	13	19.61	19.56	19.57			
5	QPSK	25	0	19.58	19.62	19.62			
5	16QAM	1	0	19.41	19.52	19.39	20.9	0	
5	16QAM	1	12	19.51	19.62	19.66			
5	16QAM	1	24	19.56	19.62	19.64			
5	16QAM	12	0	19.57	19.62	19.57	20.9	0	
5	16QAM	12	7	19.52	19.55	19.59			
5	16QAM	12	13	19.48	19.59	19.57			
5	16QAM	25	0	19.46	19.55	19.60	20.9	0	
5	84QAM	1	0	19.59	19.60	19.58			
5	84QAM	1	12	19.64	19.64	19.66			
5	84QAM	1	24	19.52	19.57	19.60	20.9	0	
5	84QAM	12	0	19.40	19.64	19.49			
5	84QAM	12	7	19.67	19.67	19.74			
5	84QAM	12	13	19.44	19.59	19.62	20.9	0	
5	84QAM	25	0	19.64	19.61	19.69			
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.59	19.69	19.62			
3	QPSK	1	8	19.55	19.45	19.46	20.9	0	
3	QPSK	1	14	19.55	19.57	19.49			
3	QPSK	8	0	19.58	19.59	19.58			
3	QPSK	8	4	19.48	19.53	19.57	20.9	0	
3	QPSK	8	7	19.62	19.57	19.65			
3	QPSK	15	0	19.55	19.64	19.58			
3	16QAM	1	0	19.40	19.44	19.43	20.9	0	
3	16QAM	1	8	19.52	19.70	19.66			
3	16QAM	1	14	19.57	19.68	19.69			
3	16QAM	8	0	19.43	19.56	19.53	20.9	0	
3	16QAM	8	4	19.53	19.51	19.51			
3	16QAM	8	7	19.58	19.52	19.58			
3	16QAM	15	0	19.53	19.48	19.61	20.9	0	
3	84QAM	1	0	19.58	19.66	19.60			
3	84QAM	1	8	19.62	19.58	19.58	20.9	0	
3	84QAM	1	14	19.54	19.60	19.62			
3	84QAM	8	0	19.41	19.63	19.47			
3	84QAM	8	4	19.53	19.69	19.76	20.9	0	
3	84QAM	8	7	19.42	19.64	19.64			
3	84QAM	15	0	19.57	19.61	19.60			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.57	19.66	19.59			
1.4	QPSK	1	3	19.58	19.49	19.44	20.9	0	
1.4	QPSK	1	5	19.62	19.54	19.51			
1.4	QPSK	3	0	19.55	19.66	19.52			
1.4	QPSK	3	1	19.45	19.56	19.67	20.9	0	
1.4	QPSK	3	3	19.55	19.65	19.54			
1.4	QPSK	6	0	19.59	19.58	19.56	20.9	0	
1.4	16QAM	1	0	19.50	19.44	19.46			
1.4	16QAM	1	5	19.49	19.65	19.59	20.9	0	
1.4	16QAM	1	5	19.56	19.65	19.67			
1.4	16QAM	3	0	19.53	19.50	19.51			
1.4	16QAM	3	1	19.51	19.52	19.53	20.9	0	
1.4	16QAM	3	3	19.56	19.56	19.66			
1.4	16QAM	6	0	19.49	19.50	19.63	20.9	0	
1.4	84QAM	1	0	19.54	19.66	19.59			
1.4	84QAM	1	3	19.65	19.59	19.60	20.9	0	
1.4	84QAM	1	5	19.49	19.65	19.54			
1.4	84QAM	3	0	19.41	19.52	19.54			
1.4	84QAM	3	1	19.49	19.67	19.78			
1.4	84QAM	3	3	19.43	19.59	19.62	20.9	0	
1.4	84QAM	6	0	19.54	19.58	19.60			

Band 4 Ant 1 DS19									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1720	1723	1724			
20	QPSK	1	49	19.58	19.43	19.42	20.8	0	
20	QPSK	1	99	19.62	19.55	19.56			
20	QPSK	50	0	19.53	19.62	19.55			
20	QPSK	50	24	19.52	19.48	19.57	20.8	0	



Band 25 Ant 1 DS19

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				26140	26340	26590		
Frequency (MHz)				1870	1950	1950		
20	QPSK	1	0	19.40	19.53	19.53		
20	QPSK	1	49	19.38	19.35	19.39	20.9	0
20	QPSK	1	99	19.51	19.45	19.50		
20	QPSK	50	0	19.52	19.57	19.50		
20	QPSK	50	24	19.37	19.44	19.52	20.9	0
20	QPSK	50	50	19.43	19.44	19.55		
20	QPSK	100	0	19.46	19.51	19.49		
20	16QAM	1	0	19.41	19.44	19.38		
20	16QAM	1	49	19.54	19.58	19.49	20.9	0
20	16QAM	1	99	19.53	19.56	19.43		
20	16QAM	50	0	19.36	19.50	19.40		
20	16QAM	50	24	19.44	19.39	19.45	20.9	0
20	16QAM	50	50	19.36	19.52	19.52		
20	16QAM	100	0	19.37	19.41	19.50		
20	64QAM	1	0	19.40	19.50	19.48		
20	64QAM	1	49	19.49	19.51	19.61	20.9	0
20	64QAM	1	99	19.43	19.45	19.51		
20	64QAM	50	0	19.39	19.39	19.40		
20	64QAM	50	24	19.43	19.60	19.55	20.9	0
20	64QAM	50	50	19.43	19.50	19.57		
20	64QAM	100	0	19.37	19.48	19.42		
Channel				26115	26340	26615		
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	19.33	19.49	19.48		
15	QPSK	1	37	19.26	19.24	19.30	20.9	0
15	QPSK	1	74	19.41	19.34	19.39		
15	QPSK	36	0	19.46	19.51	19.44		
15	QPSK	36	20	19.28	19.37	19.41	20.9	0
15	QPSK	36	39	19.29	19.37	19.48		
15	QPSK	75	0	19.36	19.45	19.40		
15	16QAM	1	0	19.38	19.33	19.23		
15	16QAM	1	37	19.41	19.48	19.36	20.9	0
15	16QAM	1	74	19.46	19.42	19.52		
15	16QAM	36	0	19.24	19.38	19.37		
15	16QAM	36	20	19.36	19.26	19.34	20.9	0
15	16QAM	36	39	19.23	19.38	19.47		
15	16QAM	75	0	19.26	19.32	19.41		
15	64QAM	1	0	19.28	19.46	19.39		
15	64QAM	1	37	19.39	19.44	19.53	20.9	0
15	64QAM	1	74	19.37	19.39	19.39		
15	64QAM	36	0	19.36	19.25	19.28		
15	64QAM	36	20	19.32	19.47	19.60	20.9	0
15	64QAM	36	39	19.40	19.36	19.53		
15	64QAM	75	0	19.33	19.45	19.38		
Channel				26090	26340	26640		
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	19.32	19.53	19.53		
10	QPSK	1	25	19.34	19.21	19.35	20.9	0
10	QPSK	1	49	19.38	19.36	19.35		
10	QPSK	25	0	19.43	19.50	19.35		
10	QPSK	25	12	19.31	19.38	19.42	20.9	0
10	QPSK	25	25	19.36	19.36	19.49		
10	QPSK	50	0	19.40	19.41	19.36		
10	16QAM	1	0	19.38	19.39	19.27		
10	16QAM	1	25	19.42	19.45	19.39	20.9	0
10	16QAM	1	49	19.39	19.44	19.59		
10	16QAM	25	0	19.23	19.46	19.33		
10	16QAM	25	12	19.32	19.25	19.35	20.9	0
10	16QAM	25	25	19.31	19.45	19.44		
10	16QAM	50	0	19.25	19.36	19.42		
10	64QAM	1	0	19.29	19.44	19.41		
10	64QAM	1	25	19.44	19.38	19.53	20.9	0
10	64QAM	1	49	19.35	19.37	19.37		
10	64QAM	25	0	19.33	19.35	19.32		
10	64QAM	25	12	19.35	19.45	19.52	20.9	0
10	64QAM	25	25	19.39	19.42	19.50		
10	64QAM	50	0	19.28	19.39	19.37		
Channel				26065	26340	26665		
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	19.31	19.59	19.53		
5	QPSK	1	12	19.33	19.26	19.27	20.9	0
5	QPSK	1	24	19.42	19.32	19.45		
5	QPSK	12	0	19.39	19.49	19.46		
5	QPSK	12	7	19.26	19.40	19.48	20.9	0
5	QPSK	12	13	19.30	19.29	19.41		
5	QPSK	25	0	19.36	19.38	19.43		
5	16QAM	1	0	19.32	19.33	19.24		
5	16QAM	1	12	19.47	19.48	19.37	20.9	0
5	16QAM	1	24	19.43	19.43	19.56		
5	16QAM	12	0	19.27	19.38	19.29		
5	16QAM	12	7	19.34	19.27	19.33	20.9	0
5	16QAM	12	13	19.29	19.38	19.42		
5	16QAM	25	0	19.32	19.27	19.44		
5	64QAM	1	0	19.31	19.45	19.37		
5	64QAM	1	12	19.34	19.42	19.48	20.9	0
5	64QAM	1	24	19.39	19.34	19.45		
5	64QAM	12	0	19.24	19.29	19.25		
5	64QAM	12	7	19.33	19.46	19.59	20.9	0
5	64QAM	12	13	19.39	19.41	19.42		
5	64QAM	25	0	19.25	19.42	19.39		
Channel				26055	26340	26675		
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.26	19.54	19.53		
3	QPSK	1	8	19.28	19.23	19.35	20.9	0
3	QPSK	1	14	19.38	19.31	19.37		
3	QPSK	8	0	19.38	19.49	19.46		
3	QPSK	8	4	19.33	19.34	19.49	20.9	0
3	QPSK	8	7	19.37	19.37	19.47		
3	QPSK	15	0	19.41	19.43	19.41		
3	16QAM	1	0	19.37	19.37	19.25		
3	16QAM	1	8	19.41	19.52	19.42	20.9	0
3	16QAM	1	14	19.47	19.48	19.54		
3	16QAM	8	0	19.31	19.43	19.25		
3	16QAM	8	4	19.31	19.34	19.39	20.9	0
3	16QAM	8	7	19.21	19.46	19.42		
3	16QAM	15	0	19.24	19.35	19.37		
3	64QAM	1	0	19.26	19.36	19.40		
3	64QAM	1	8	19.39	19.44	19.47	20.9	0
3	64QAM	1	14	19.35	19.30	19.42		
3	64QAM	8	0	19.26	19.27	19.33		
3	64QAM	8	4	19.31	19.56	19.51	20.9	0
3	64QAM	8	7	19.36	19.45	19.50		
3	64QAM	15	0	19.28	19.41	19.36		
Channel				2597	2630	2659		
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.30	19.50	19.44		
1.4	QPSK	1	3	19.25	19.20	19.25	20.9	0
1.4	QPSK	1	5	19.45	19.40	19.44		
1.4	QPSK	3	0	19.48	19.48	19.44		
1.4	QPSK	3	1	19.30	19.30	19.47	20.9	0
1.4	QPSK	3	3	19.34	19.40	19.45		
1.4	QPSK	6	0	19.40	19.37	19.37		
1.4	16QAM	1	0	19.36	19.31	19.24		
1.4	16QAM	1	3	19.46	19.45	19.46	20.9	0
1.4	16QAM	1	5	19.41	19.48	19.51		
1.4	16QAM	3	0	19.23	19.44	19.27		
1.4	16QAM	3	1	19.38	19.28	19.41	20.9	0
1.4	16QAM	3	3	19.28	19.46	19.38		
1.4	16QAM	6	0	19.28	19.36	19.45	20.9	0
1.4	64QAM	1	0	19.30	19.43	19.44		
1.4	64QAM	1	3	19.37	19.38	19.52		
1.4	64QAM	1	5	19.31	19.32	19.41	20.9	0
1.4	64QAM	3	0	19.32	19.33	19.34		
1.4	64QAM	3	1	19.31	19.47	19.54		
1.4	64QAM	3	3	19.40	19.42	19.46	20.9	0
1.4	64QAM	6	0	19.31	19.44	19.34		

Band 66 Ant 1 DS19

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.28	19.36	19.45		
20	QPSK	1	49	19.24	19.30	19.33	20.8	0
20	QPSK	1	99	19.43	19.38	19.40		
20	QPSK	50	0	19.48	19.51	19.35		
20	QPSK	50	24	19.32	19.29	19.39	20.8	0
20	QPSK	50	50	19.32	19.34	19.48		
20	QPSK	100	0	19.32	19.47	19.39		
20	16QAM	1	0	19.36	19.34	19.24		
20	16QAM	1	49	19.40	19.43	19.40	20.8	0
20	16QAM	1	99	19.48	19.48	19.36		
20	16QAM	50	0	19.29	19.41	19.32		
20	16QAM	50	24	19.39	19.26	19.41	20.8	0
20	16QAM	50	50	19.25	19.45	19.48		
20	16QAM	100	0	19.32	19.30	19.38		
20	64QAM	1	0	19.33	19.42	19.36		
20	64QAM	1	49	19.36	19.45	19.49	20.8	0
20	64QAM	1	99	19.37	19.41	19.37		
20	64QAM	50	0	19.30	19.29	19.36		
20	64QAM	50	24	19.36	19.51	19.50	20.8	0
20	64QAM	50	50	19.36	19.36	19.53		
20	64QAM	100	0	19.25	19.33	19.27		
Channel				132047	132322	132597		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.17	19.48	19.32		
15	QPSK	1	37	19.14	19.22</			



Band 38 Ant 1 DSI9										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.17	19.51	19.33	20.4	0		
20	QPSK	1	49	19.10	19.22	19.23				
20	QPSK	1	99	19.39	19.31	19.25	20.4	0		
20	QPSK	50	0	19.34	19.44	19.31				
20	QPSK	50	24	19.22	19.24	19.31	20.4	0		
20	QPSK	50	50	19.29	19.25	19.35				
20	QPSK	100	0	19.18	19.35	19.29	20.4	0		
20	16QAM	1	0	19.24	19.22	19.17				
20	16QAM	1	49	19.27	19.45	19.29	20.4	0		
20	16QAM	1	99	19.41	19.35	19.32				
20	16QAM	50	0	19.19	19.34	19.26	20.4	0		
20	16QAM	50	24	19.29	19.22	19.30				
20	16QAM	50	50	19.18	19.32	19.45	20.4	0		
20	16QAM	100	0	19.17	19.25	19.29				
20	64QAM	1	0	19.23	19.34	19.26	20.4	0		
20	64QAM	1	49	19.32	19.42	19.43				
20	64QAM	1	99	19.29	19.38	19.23	20.4	0		
20	64QAM	50	0	19.27	19.15	19.25				
20	64QAM	50	24	19.23	19.40	19.41	20.4	0		
20	64QAM	50	50	19.23	19.23	19.42				
20	64QAM	100	0	19.17	19.28	19.19				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2612.5				
15	QPSK	1	0	19.09	19.36	19.22	20.4	0		
15	QPSK	1	37	19.01	19.09	19.12				
15	QPSK	1	74	19.27	19.19	19.22	20.4	0		
15	QPSK	36	0	19.25	19.38	19.19				
15	QPSK	36	20	19.14	19.14	19.18	20.4	0		
15	QPSK	36	39	19.21	19.14	19.25				
15	QPSK	75	0	19.13	19.27	19.20	20.4	0		
15	16QAM	1	0	19.09	19.16	19.09				
15	16QAM	1	37	19.22	19.31	19.24	20.4	0		
15	16QAM	1	74	19.28	19.25	19.28				
15	16QAM	36	0	19.11	19.25	19.12	20.4	0		
15	16QAM	36	20	19.18	19.09	19.19				
15	16QAM	36	39	19.03	19.27	19.42	20.4	0		
15	16QAM	75	0	19.12	19.10	19.20				
15	64QAM	1	0	19.11	19.21	19.21	20.4	0		
15	64QAM	1	37	19.19	19.32	19.35				
15	64QAM	1	74	19.19	19.29	19.16	20.4	0		
15	64QAM	36	0	19.15	19.09	19.21				
15	64QAM	36	20	19.15	19.31	19.30	20.4	0		
15	64QAM	36	39	19.14	19.16	19.33				
15	64QAM	75	0	19.09	19.14	19.15				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.09	19.42	19.26	20.4	0		
10	QPSK	1	25	19.06	19.15	19.18				
10	QPSK	1	49	19.28	19.25	19.20	20.4	0		
10	QPSK	25	0	19.25	19.35	19.25				
10	QPSK	25	12	19.16	19.14	19.24	20.4	0		
10	QPSK	25	25	19.15	19.10	19.29				
10	QPSK	50	0	19.06	19.20	19.14	20.4	0		
10	16QAM	1	0	19.15	19.17	19.10				
10	16QAM	1	25	19.22	19.36	19.20	20.4	0		
10	16QAM	1	49	19.33	19.28	19.27				
10	16QAM	25	0	19.11	19.29	19.20	20.4	0		
10	16QAM	25	12	19.15	19.16	19.17				
10	16QAM	25	25	19.14	19.21	19.32	20.4	0		
10	16QAM	50	0	19.07	19.19	19.18				
10	64QAM	1	0	19.18	19.19	19.11	20.4	0		
10	64QAM	1	25	19.27	19.32	19.39				
10	64QAM	1	49	19.22	19.27	19.19	20.4	0		
10	64QAM	25	0	19.17	19.07	19.20				
10	64QAM	25	12	19.09	19.26	19.29	20.4	0		
10	64QAM	25	25	19.17	19.14	19.30				
10	64QAM	50	0	19.13	19.19	19.07				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.12	19.40	19.24	20.4	0		
5	QPSK	1	12	19.01	19.12	19.14				
5	QPSK	1	24	19.33	19.17	19.21	20.4	0		
5	QPSK	12	0	19.27	19.30	19.20				
5	QPSK	12	7	19.11	19.13	19.26	20.4	0		
5	QPSK	12	13	19.26	19.22	19.27				
5	QPSK	25	0	19.07	19.31	19.22	20.4	0		
5	16QAM	1	0	19.16	19.09	19.13				
5	16QAM	1	12	19.12	19.31	19.25	20.4	0		
5	16QAM	1	24	19.28	19.26	19.26				
5	16QAM	12	0	19.06	19.20	19.22	20.4	0		
5	16QAM	12	7	19.18	19.08	19.21				
5	16QAM	12	13	19.03	19.27	19.34	20.4	0		
5	16QAM	25	0	19.09	19.20	19.17				
5	64QAM	1	0	19.12	19.25	19.14	20.4	0		
5	64QAM	1	12	19.26	19.31	19.34				
5	64QAM	1	24	19.21	19.26	19.10	20.4	0		
5	64QAM	12	0	19.20	19.08	19.22				
5	64QAM	12	7	19.14	19.25	19.37	20.4	0		
5	64QAM	12	13	19.15	19.12	19.34				

Band 41 Ant 1 DSI9										
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	19.37	19.27	19.40	19.30	19.24	20.4	0
20	QPSK	1	49	19.10	19.20	19.14	19.15	19.15		
20	QPSK	1	99	19.27	19.21	19.22	19.21	19.15	20.4	0
20	QPSK	50	0	19.29	19.24	19.34	19.22	19.23		
20	QPSK	50	24	19.19	19.24	19.21	19.18	19.27	20.4	0
20	QPSK	50	50	19.18	19.25	19.19	19.25	19.26		
20	QPSK	100	0	19.22	19.20	19.26	19.16	19.23	20.4	0
20	16QAM	1	0	19.14	19.03	19.16	19.10	19.12		
20	16QAM	1	49	19.21	19.23	19.39	19.21	19.17	20.4	0
20	16QAM	1	99	19.27	19.18	19.27	19.26	19.23		
20	16QAM	50	0	19.25	19.17	19.22	19.15	19.18	20.4	0
20	16QAM	50	24	19.13	19.18	19.14	19.17	19.20		
20	16QAM	50	50	19.21	19.34	19.28	19.32	19.32	20.4	0
20	16QAM	100	0	19.20	19.25	19.16	19.19	19.21		
20	64QAM	1	0	19.25	19.17	19.20	19.20	19.22	20.4	0
20	64QAM	1	49	19.34	19.36	19.36	19.29	19.33		
20	64QAM	1	99	19.27	19.09	19.33	19.19	19.15	20.4	0
20	64QAM	50	0	19.03	19.20	19.06	19.15	19.19		
20	64QAM	50	24	19.28	19.29	19.27	19.33	19.28	20.4	0
20	64QAM	50	50	19.17	19.33	19.14	19.29	19.27		
20	64QAM	100	0	19.13	19.05	19.18	19.13	19.06		
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	19.30	19.14	19.35	19.16	19.12	20.40	0
15	QPSK	1	37	18.97	19.15	19.07	19.10	19.07		
15	QPSK	1	74	19.12	19.08	19.09	19.12	19.10	20.4	0
15	QPSK	36	0	19.24	19.17	19.29	19.12	19.13		
15	QPSK	36	20	19.10	19.11	19.17	19.09	19.20	20.4	0
15	QPSK	36	39	19.07	19.22	19.06	19.20	19.14		
15	QPSK	75	0	19.08	19.11	19.18	19.11	19.20	20.4	0
15	16QAM	1	0	19.04	18.88	19.02	19.04	19.03		
15	16QAM	1	37	19.30	19.17	19.25	19.16	19.02	20.4	0
15	16QAM	1	74	19.21	19.14	19.22	19.21			

GSM850 Ant 2 DSIS

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.40	27.27	27.55	28.50	18.40	18.27	18.55	19.50
GPRS 1 Tx slots	27.38	27.18	27.50	28.50	18.38	18.18	18.50	19.50
GPRS 2 Tx slots	24.21	24.09	24.40	25.50	19.21	18.99	18.40	19.50
GPRS 3 Tx slots	22.49	22.40	22.72	23.70	18.23	18.14	18.46	19.44
GPRS 4 Tx slots	21.60	21.79	21.44	22.50	18.60	18.79	18.44	19.50
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSIS

Band TX Channel Rx Channel Frequency (MHz)	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
	4367	4407	4458	
	826.4	838.4	848.8	
3GPP Rel 99 AMR 12.2Kbps	20.85	21.02	20.99	22.00
3GPP Rel 99 RMC 12.2Kbps	20.99	21.21	21.11	22.00
3GPP Rel 6 HSDPA Subtest-1	18.00	18.05	18.03	19.00
3GPP Rel 6 HSDPA Subtest-2	18.00	18.06	17.80	19.00
3GPP Rel 6 HSDPA Subtest-3	19.50	19.84	19.48	20.50
3GPP Rel 6 HSDPA Subtest-4	19.50	19.51	19.46	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.00	18.01	17.95	19.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.00	18.39	18.38	19.00
3GPP Rel 8 DC-HSDPA Subtest-3	19.50	19.71	19.37	20.50
3GPP Rel 8 DC-HSDPA Subtest-4	19.50	19.59	19.62	20.50
3GPP Rel 6 HSUPA Subtest-1	18.00	18.20	17.95	19.00
3GPP Rel 6 HSUPA Subtest-2	16.00	16.09	15.84	17.00
3GPP Rel 6 HSUPA Subtest-3	17.00	17.31	16.98	18.00
3GPP Rel 6 HSUPA Subtest-4	16.00	16.17	15.97	17.00
3GPP Rel 6 HSUPA Subtest-5	18.00	18.25	18.11	19.00



Band 5 Ant 2 DS19

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.17	21.21	21.12	22	0
10	QPSK	1	25	21.02	20.94	20.91		
10	QPSK	1	49	21.08	21.07	20.94		
10	QPSK	25	0	21.01	21.13	20.95	22	0
10	QPSK	25	12	20.99	21.03	20.87		
10	QPSK	25	25	20.91	21.01	20.93		
10	QPSK	50	0	21.05	21.06	21.02	22	0
10	16QAM	1	0	20.97	20.92	20.88		
10	16QAM	1	25	21.20	21.13	20.94		
10	16QAM	1	49	21.14	21.06	21.04	22	0
10	16QAM	25	0	21.02	20.95	20.93		
10	16QAM	25	12	20.98	21.05	20.81		
10	16QAM	25	25	21.02	21.08	21.00	22	0
10	16QAM	50	0	20.98	21.01	20.89		
10	64QAM	1	0	20.96	20.93	20.96		
10	64QAM	1	25	21.01	21.10	21.06	22	0
10	64QAM	1	49	21.08	21.05	20.91		
10	64QAM	25	0	21.02	20.96	20.94		
10	64QAM	25	12	21.13	21.05	20.90	22	0
10	64QAM	25	25	21.03	21.03	20.95		
10	64QAM	50	0	21.15	21.05	20.87		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.08	21.14	21.02	22	0
5	QPSK	1	12	20.99	20.90	20.77		
5	QPSK	1	24	21.01	20.94	20.89		
5	QPSK	12	0	20.97	21.09	20.88	22	0
5	QPSK	12	7	20.93	20.92	20.80		
5	QPSK	12	13	20.87	20.94	20.82		
5	QPSK	25	0	20.97	20.94	20.93	22	0
5	16QAM	1	0	20.94	20.79	20.81		
5	16QAM	1	12	21.14	21.07	20.80		
5	16QAM	1	24	21.02	20.98	20.96	22	0
5	16QAM	12	0	20.90	20.82	20.81		
5	16QAM	12	7	20.89	21.00	20.77		
5	16QAM	12	13	20.98	21.02	20.96	22	0
5	16QAM	25	0	20.91	20.90	20.75		
5	64QAM	1	0	20.83	20.86	20.92		
5	64QAM	1	12	20.95	20.95	21.01	22	0
5	64QAM	1	24	21.05	20.95	20.77		
5	64QAM	12	0	20.90	20.84	20.87		
5	64QAM	12	7	21.05	21.01	20.85	22	0
5	64QAM	12	13	20.94	20.96	20.88		
5	64QAM	25	0	21.05	20.94	20.76		
Channel				20416	20525	20635		
Frequency (MHz)				835.5	836.5	847.5		
3	QPSK	1	0	21.08	21.06	21.04	22	0
3	QPSK	1	8	20.97	21.00	20.84		
3	QPSK	1	14	21.02	21.00	20.88		
3	QPSK	8	0	20.91	21.00	20.91	22	0
3	QPSK	8	4	20.86	20.99	20.83		
3	QPSK	8	7	20.88	20.88	20.84		
3	QPSK	15	0	20.92	20.99	20.88	22	0
3	16QAM	1	0	20.90	20.80	20.77		
3	16QAM	1	8	21.17	21.09	20.89		
3	16QAM	1	14	21.11	21.00	21.01	22	0
3	16QAM	8	0	20.93	20.85	20.81		
3	16QAM	8	4	20.92	21.00	20.88		
3	16QAM	8	7	20.89	21.01	20.90	22	0
3	16QAM	15	0	20.94	20.96	20.79		
3	64QAM	1	0	20.91	20.86	20.89		
3	64QAM	1	8	20.97	20.99	20.94	22	0
3	64QAM	1	14	21.02	20.91	20.80		
3	64QAM	8	0	20.97	20.87	20.91		
3	64QAM	8	4	21.02	20.95	20.80	22	0
3	64QAM	8	7	20.93	20.94	20.80		
3	64QAM	15	0	21.11	20.92	20.84		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.11	21.13	21.02	22	0
1.4	QPSK	1	3	20.90	20.91	20.83		
1.4	QPSK	1	5	21.02	20.94	20.90		
1.4	QPSK	3	0	20.95	21.05	20.83	22	0
1.4	QPSK	3	1	20.91	20.97	20.83		
1.4	QPSK	3	3	20.83	20.89	20.88		
1.4	QPSK	6	0	21.01	21.00	20.87	22	0
1.4	16QAM	1	0	20.88	20.82	20.77		
1.4	16QAM	1	3	21.13	21.08	20.88		
1.4	16QAM	1	5	21.08	20.98	20.98	22	0
1.4	16QAM	3	0	20.97	20.91	20.82		
1.4	16QAM	3	1	20.90	20.93	20.89		
1.4	16QAM	3	3	20.96	20.95	20.90	22	0
1.4	16QAM	6	0	20.90	20.96	20.83		
1.4	64QAM	1	0	20.90	20.82	20.83		
1.4	64QAM	1	3	20.92	21.07	20.94	22	0
1.4	64QAM	1	5	21.01	20.95	20.87		
1.4	64QAM	3	0	20.90	20.89	20.89		
1.4	64QAM	3	1	21.05	20.97	20.77	22	0
1.4	64QAM	3	3	20.95	20.95	20.89		
1.4	64QAM	6	0	21.02	20.93	20.81		

Band 12 Ant 2 DS19

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.27	21.34	21.26	22	0
10	QPSK	1	25	21.08	21.16	21.19		
10	QPSK	1	49	21.23	21.16	21.20		
10	QPSK	25	0	21.22	21.32	21.17	22	0
10	QPSK	25	12	21.12	21.14	21.07		
10	QPSK	25	25	21.14	21.19	21.12		
10	QPSK	50	0	21.12	21.28	21.22	22	0
10	16QAM	1	0	21.08	21.10	20.99		
10	16QAM	1	25	21.30	21.26	21.32		
10	16QAM	1	49	21.29	21.23	21.10	22	0
10	16QAM	25	0	21.20	21.16	21.14		
10	16QAM	25	12	21.16	21.21	21.27		
10	16QAM	25	25	21.20	21.20	21.28	22	0
10	16QAM	50	0	21.11	21.20	21.19		
10	64QAM	1	0	21.07	21.12	21.21		
10	64QAM	1	25	21.18	21.27	21.31	22	0
10	64QAM	1	49	21.24	21.10	21.15		
10	64QAM	25	0	21.17	21.11	21.27		
10	64QAM	25	12	21.24	21.17	21.33	22	0
10	64QAM	25	25	21.20	21.18	21.25		
10	64QAM	50	0	21.27	21.22	21.20		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.15	21.29	21.15	22	0
5	QPSK	1	12	20.98	21.13	21.09		
5	QPSK	1	24	21.08	21.07	21.08		
5	QPSK	12	0	21.14	21.27	21.03	22	0
5	QPSK	12	7	21.08	21.05	20.94		
5	QPSK	12	13	21.01	21.12	21.00		
5	QPSK	25	0	21.04	21.23	21.19	22	0
5	16QAM	1	0	21.04	20.95	20.88		
5	16QAM	1	12	21.18	21.12	21.25		
5	16QAM	1	24	21.17	21.16	21.05	22	0
5	16QAM	12	0	21.10	21.09	21.03		
5	16QAM	12	7	21.12	21.17	21.14		
5	16QAM	12	13	21.05	21.09	21.16	22	0
5	16QAM	25	0	21.01	21.06	21.12		
5	64QAM	1	0	20.93	21.03	21.14		
5	64QAM	1	12	21.08	21.17	21.21	22	0
5	64QAM	1	24	21.11	21.06	21.04		
5	64QAM	12	0	21.10	21.05	21.16		
5	64QAM	12	7	21.15	21.14	21.27	22	0
5	64QAM	12	13	21.07	21.12	21.21		
5	64QAM	25	0	21.16	21.08	20.90		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.20	21.31	21.21	22	0
3	QPSK	1	8	21.01	21.08	21.08		
3	QPSK	1	14	21.14	21.04	21.17		
3	QPSK	8	0	21.16	21.23	21.06	22	0
3	QPSK	8	4	21.05	21.10	21.02		
3	QPSK	8	7	21.07	21.13	21.07		
3	QPSK	15	0	21.00	21.20	21.09	22	0
3	16QAM	1	0	21.00	20.99	20.85		
3	16QAM	1	8	21.25	21.20	21.19		
3	16QAM	1	14	21.18	21.19	20.95	22	0
3	16QAM	8	0	21.08	21.03	21.07		
3	16QAM	8	4	21.01	21.11	21.13		
3	16QAM	8	7	21.10	21.16	21.16	22	0
3	16QAM	15	0	21.04	21.07	21.11		
3	64QAM	1	0	21.03				



Band 17 Ant 2 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.12	21.19	21.08	22	0	
10	QPSK	1	25	21.00	21.04	21.06			
10	QPSK	1	49	21.09	21.12	21.09			
10	QPSK	25	0	21.07	21.16	21.12	22	0	
10	QPSK	25	12	20.99	21.06	21.03			
10	QPSK	25	25	20.96	21.15	20.99			
10	QPSK	50	0	21.06	21.10	21.07	22	0	
10	16QAM	1	0	21.06	20.98	20.89			
10	16QAM	1	25	21.15	21.10	21.16			
10	16QAM	1	49	21.14	21.11	21.07	22	0	
10	16QAM	25	0	21.03	21.06	20.98			
10	16QAM	25	12	21.00	21.09	21.08			
10	16QAM	25	25	21.06	21.13	21.07	22	0	
10	16QAM	50	0	20.98	21.08	21.10			
10	64QAM	1	0	20.98	21.00	21.10			
10	64QAM	1	25	21.13	21.02	21.04	22	0	
10	64QAM	1	49	21.08	21.03	21.10			
10	64QAM	25	0	21.14	21.01	21.10			
10	64QAM	25	12	21.10	21.12	21.10	22	0	
10	64QAM	25	25	21.05	21.06	21.10			
10	64QAM	50	0	21.16	21.05	20.97			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.01	21.06	21.00	22	0	
5	QPSK	1	12	20.94	20.94	20.93			
5	QPSK	1	24	21.04	21.01	20.98			
5	QPSK	12	0	20.93	21.11	21.04	22	0	
5	QPSK	12	7	20.96	21.01	20.91			
5	QPSK	12	13	20.92	21.08	20.89			
5	QPSK	25	0	20.98	21.02	20.97	22	0	
5	16QAM	1	0	21.02	20.88	20.81			
5	16QAM	1	12	21.00	21.04	21.06			
5	16QAM	1	24	20.99	21.02	20.97	22	0	
5	16QAM	12	0	20.90	20.98	20.88			
5	16QAM	12	7	20.91	21.00	21.03			
5	16QAM	12	13	20.98	21.09	21.08	22	0	
5	16QAM	25	0	20.84	21.00	21.06			
5	64QAM	1	0	20.88	20.92	20.95			
5	64QAM	1	12	21.07	21.10	21.11	22	0	
5	64QAM	1	24	20.96	20.95	21.03			
5	64QAM	12	0	21.09	20.96	21.01			
5	64QAM	12	7	20.98	21.04	21.00	22	0	
5	64QAM	12	13	20.93	20.95	20.95			
5	64QAM	25	0	21.05	20.97	20.91			

Band 26 Ant 2 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	20.98	21.13	20.94	22	0	
15	QPSK	1	37	20.87	20.94	20.98			
15	QPSK	1	74	21.00	21.08	21.03			
15	QPSK	36	0	20.93	21.07	21.01	22	0	
15	QPSK	36	20	20.88	20.93	20.96			
15	QPSK	36	39	20.84	21.01	20.90			
15	QPSK	75	0	20.99	21.04	21.00	22	0	
15	16QAM	1	0	20.97	20.86	20.82			
15	16QAM	1	37	21.06	21.04	21.04			
15	16QAM	1	74	20.99	21.03	20.96	22	0	
15	16QAM	36	0	20.91	20.97	20.92			
15	16QAM	36	20	20.93	20.98	20.93			
15	16QAM	36	39	20.96	21.03	21.01	22	0	
15	16QAM	75	0	20.87	21.03	20.97			
15	64QAM	1	0	20.93	20.91	20.99			
15	64QAM	1	37	21.08	20.93	20.90	22	0	
15	64QAM	1	74	21.03	20.97	21.01			
15	64QAM	36	0	21.01	20.92	21.03			
15	64QAM	36	20	20.95	21.05	21.06	22	0	
15	64QAM	36	39	20.98	20.98	20.96			
15	64QAM	75	0	21.08	21.01	20.83			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	20.93	21.02	20.81	22	0	
10	QPSK	1	25	20.84	20.81	20.93			
10	QPSK	1	49	20.90	20.98	20.95			
10	QPSK	25	0	20.83	21.01	20.93	22	0	
10	QPSK	25	12	20.85	20.79	20.82			
10	QPSK	25	25	20.72	20.91	20.80			
10	QPSK	50	0	20.82	20.91	20.92	22	0	
10	16QAM	1	0	20.87	20.79	20.77			
10	16QAM	1	25	21.02	20.99	20.96			
10	16QAM	1	49	20.93	20.91	20.90	22	0	
10	16QAM	25	0	20.78	20.87	20.88			
10	16QAM	25	12	20.88	20.90	20.84			
10	16QAM	25	25	20.84	20.96	20.90	22	0	
10	16QAM	50	0	20.83	20.91	20.91			
10	64QAM	1	0	20.85	20.76	20.86			
10	64QAM	1	25	20.98	20.87	20.85	22	0	
10	64QAM	1	49	20.95	20.88	20.92			
10	64QAM	25	0	20.93	20.82	20.94			
10	64QAM	25	12	20.82	20.98	21.01	22	0	
10	64QAM	25	25	20.91	20.94	20.89			
10	64QAM	50	0	21.02	20.88	20.73			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	20.84	21.08	20.88	22	0	
5	QPSK	1	12	20.77	20.80	20.87			
5	QPSK	1	24	20.96	20.93	20.96			
5	QPSK	12	0	20.90	21.01	20.91	22	0	
5	QPSK	12	7	20.75	20.88	20.90			
5	QPSK	12	13	20.77	20.87	20.80			
5	QPSK	25	0	20.91	20.98	20.87	22	0	
5	16QAM	1	0	20.86	20.78	20.72			
5	16QAM	1	12	20.97	20.99	20.94			
5	16QAM	1	24	20.86	20.96	20.83	22	0	
5	16QAM	12	0	20.84	20.86	20.86			
5	16QAM	12	7	20.88	20.86	20.89			
5	16QAM	12	13	20.85	20.98	20.95	22	0	
5	16QAM	25	0	20.74	20.92	20.86			
5	64QAM	1	0	20.82	20.83	20.96			
5	64QAM	1	12	20.98	20.80	20.87	22	0	
5	64QAM	1	24	20.97	20.94	20.87			
5	64QAM	12	0	20.92	20.79	20.90			
5	64QAM	12	7	20.90	20.99	21.01	22	0	
5	64QAM	12	13	20.86	20.87	20.89			
5	64QAM	25	0	20.93	20.90	20.72			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	20.86	20.99	20.83	22	0	
3	QPSK	1	8	20.82	20.83	20.87			
3	QPSK	1	14	20.88	21.04	20.99			
3	QPSK	8	0	20.86	20.96	20.88	22	0	
3	QPSK	8	4	20.77	20.85	20.87			
3	QPSK	8	7	20.76	20.91	20.76			
3	QPSK	15	0	20.95	20.92	20.85	22	0	
3	16QAM	1	0	20.91	20.75	20.76			
3	16QAM	1	8	21.02	20.90	20.90			
3	16QAM	1	14	20.90	20.89	20.92	22	0	
3	16QAM	8	0	20.77	20.82	20.89			
3	16QAM	8	4	20.82	20.91	20.80			
3	16QAM	8	7	20.85	20.97	20.86	22	0	
3	16QAM	15	0	20.81	20.92	20.93			
3	64QAM	1	0	20.79	20.79	20.95			
3	64QAM	1	8	20.93	20.88	20.82	22	0	
3	64QAM	1	14	20.99	20.86	20.88			
3	64QAM	8	0	20.98	20.79	20.99			
3	64QAM	8	4	20.81	20.94	20.95	22	0	
3	64QAM	8	7	20.95	20.86	20.91			
3	64QAM	15	0	20.95	20.93	20.76			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	20.91	21.06	20.83	22	0	
1.4	QPSK	1	3	20.78	20.86	20.83			
1.4	QPSK	1	5	20.94	21.04	20.97			
1.4	QPSK	3	0	20.79	20.92	20.95	22	0	
1.4	QPSK	3	1	20.81	20.80	20.87			
1.4	QPSK	3	3	20.79	20.98	20.87			
1.4	QPSK	6	0	20.85	20.98	20.92	22	0	
1.4	16QAM	1	0	20.93	20.76	20.72			
1.4	16QAM	1	3	21.03	20.96	20.95			
1.4	16QAM	1	5	20.86	20.97	20.85	22	0	
1.4	16QAM	3	0	20.86	20.87	20.79			



Band 7 ENDC Ant 5 DSI9									
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	16.63	16.92	16.65	18	0	
20	QPSK	1	49	16.80	16.67	16.76			
20	QPSK	1	99	16.61	16.57	16.63			
20	QPSK	50	0	16.66	16.86	16.81	18	0	
20	QPSK	50	24	16.55	16.68	16.73			
20	QPSK	50	50	16.75	16.85	16.59			
20	QPSK	100	0	16.71	16.72	16.55	18	0	
20	16QAM	1	0	16.59	16.91	16.72			
20	16QAM	1	49	16.75	16.68	16.72			
20	16QAM	1	99	16.81	16.72	16.77	18	0	
20	16QAM	50	0	16.58	16.87	16.67			
20	16QAM	50	24	16.48	16.65	16.47			
20	16QAM	50	50	16.72	16.75	16.47	18	0	
20	16QAM	100	0	16.73	16.72	16.76			
20	64QAM	1	0	16.48	16.86	16.68			
20	64QAM	1	49	16.86	16.89	16.79	18	0	
20	64QAM	1	99	16.84	16.70	16.71			
20	64QAM	50	0	16.68	16.88	16.83			
20	64QAM	50	24	16.66	16.44	16.69	18	0	
20	64QAM	50	50	16.61	16.57	16.82			
20	64QAM	100	0	16.55	16.72	16.53			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.54	16.96	16.56	18	0	
15	QPSK	1	37	16.74	16.58	16.67			
15	QPSK	1	74	16.51	16.52	16.52			
15	QPSK	36	0	16.54	16.76	16.74	18	0	
15	QPSK	36	20	16.49	16.55	16.65			
15	QPSK	36	39	16.61	16.72	16.44			
15	QPSK	75	0	16.59	16.67	16.47	18	0	
15	16QAM	1	0	16.52	16.80	16.66			
15	16QAM	1	37	16.67	16.59	16.65			
15	16QAM	1	74	16.74	16.66	16.63	18	0	
15	16QAM	36	0	16.43	16.77	16.53			
15	16QAM	36	20	16.35	16.56	16.40			
15	16QAM	36	39	16.62	16.68	16.33	18	0	
15	16QAM	75	0	16.66	16.59	16.69			
15	64QAM	1	0	16.43	16.77	16.56			
15	64QAM	1	37	16.88	16.74	16.70	18	0	
15	64QAM	1	74	16.71	16.63	16.62			
15	64QAM	36	0	16.55	16.75	16.73			
15	64QAM	36	20	16.57	16.31	16.60	18	0	
15	64QAM	36	39	16.57	16.44	16.73			
15	64QAM	75	0	16.48	16.82	16.41			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.50	16.93	16.58	18	0	
10	QPSK	1	25	16.73	16.61	16.65			
10	QPSK	1	49	16.48	16.50	16.58			
10	QPSK	25	0	16.60	16.78	16.71	18	0	
10	QPSK	25	12	16.41	16.59	16.62			
10	QPSK	25	25	16.62	16.71	16.54			
10	QPSK	50	0	16.57	16.59	16.48	18	0	
10	16QAM	1	0	16.50	16.78	16.63			
10	16QAM	1	25	16.64	16.57	16.62			
10	16QAM	1	49	16.72	16.58	16.67	18	0	
10	16QAM	25	0	16.52	16.74	16.58			
10	16QAM	25	12	16.42	16.51	16.33			
10	16QAM	25	25	16.61	16.64	16.38	18	0	
10	16QAM	50	0	16.67	16.66	16.65			
10	64QAM	1	0	16.39	16.79	16.53			
10	64QAM	1	25	16.89	16.78	16.67	18	0	
10	64QAM	1	49	16.74	16.55	16.60			
10	64QAM	25	0	16.56	16.77	16.70			
10	64QAM	25	12	16.58	16.32	16.63	18	0	
10	64QAM	25	25	16.51	16.45	16.69			
10	64QAM	50	0	16.47	16.89	16.45			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.50	16.90	16.57	18	0	
5	QPSK	1	12	16.66	16.56	16.67			
5	QPSK	1	24	16.52	16.46	16.54			
5	QPSK	12	0	16.53	16.78	16.76	18	0	
5	QPSK	12	7	16.45	16.56	16.66			
5	QPSK	12	13	16.64	16.74	16.46			
5	QPSK	25	0	16.62	16.58	16.46	18	0	
5	16QAM	1	0	16.45	16.85	16.58			
5	16QAM	1	12	16.68	16.55	16.59			
5	16QAM	1	24	16.69	16.65	16.69	18	0	
5	16QAM	12	0	16.45	16.76	16.60			
5	16QAM	12	7	16.43	16.55	16.33			
5	16QAM	12	13	16.62	16.61	16.42	18	0	
5	16QAM	25	0	16.66	16.61	16.67			
5	64QAM	1	0	16.41	16.85	16.53			
5	64QAM	1	12	16.85	16.75	16.71	18	0	
5	64QAM	1	24	16.69	16.57	16.63			
5	64QAM	12	0	16.60	16.77	16.76			
5	64QAM	12	7	16.53	16.36	16.61	18	0	
5	64QAM	12	13	16.50	16.48	16.70			
5	64QAM	25	0	16.43	16.85	16.47			



GSM1900 Ant 6 DS0

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512	661	810	24.60	13.98	13.93	13.98	15.60
Frequency (MHz)	1852.2	1880	1907.8	24.60	14.05	13.97	14.03	15.60
GSM 1 Tx slot	23.05	22.97	23.03	24.60	14.05	13.97	14.03	15.60
GPRS 1 Tx slot	22.98	22.93	22.98	24.60	13.98	13.93	13.98	15.60
GPRS 2 Tx slots	20.03	19.88	19.97	21.60	14.03	13.88	13.97	15.60
GPRS 3 Tx slots	18.03	17.86	17.92	19.80	13.77	13.60	13.66	15.54
GPRS 4 Tx slots	16.77	16.84	16.70	18.60	13.77	13.84	13.70	15.60
EDGE 1 Tx slot	23.10	22.88	22.87	24.60	14.10	13.88	13.87	15.60
EDGE 2 Tx slots	19.84	19.69	19.76	21.60	13.84	13.69	13.76	15.60
EDGE 3 Tx slots	17.94	17.80	17.86	19.80	13.68	13.54	13.70	15.54
EDGE 4 Tx slots	16.86	16.65	16.68	18.60	13.86	13.65	13.68	15.60

WCDMA II Ant 6 DS0

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1512	1513	1518	
TX Channel	9262	9400	9538	18.90	19.43	19.35	19.26	20.60
RX Channel	8662	8800	8938	18.90	18.44	18.40	18.45	20.60
Frequency (MHz)	1852.4	1880	1907.6	18.10	18.44	18.50	18.27	19.60
3GPP Rel 99	AMR 12.2Kbps	17.55	17.73	17.56	18.90	19.43	19.35	20.60
3GPP Rel 99	RMC 12.2Kbps	17.72	17.80	17.67	18.90	19.44	19.45	20.60
3GPP Rel 6	HSDPA Subtest-1	16.88	16.92	16.71	18.10	18.44	18.50	18.27
3GPP Rel 6	HSDPA Subtest-2	16.76	16.93	16.65	18.10	18.35	18.39	18.45
3GPP Rel 6	HSDPA Subtest-3	16.23	16.21	15.94	17.40	17.88	18.05	18.10
3GPP Rel 6	HSDPA Subtest-4	15.93	16.14	16.21	17.40	18.02	18.24	18.16
3GPP Rel 8	DC-HSDPA Subtest-1	16.85	17.11	16.88	18.10	18.32	18.46	18.46
3GPP Rel 8	DC-HSDPA Subtest-2	16.71	16.68	16.67	18.10	18.45	18.52	18.32
3GPP Rel 8	DC-HSDPA Subtest-3	15.98	16.25	15.85	17.40	18.02	18.00	18.21
3GPP Rel 8	DC-HSDPA Subtest-4	16.04	16.00	15.84	17.40	18.08	17.85	17.73
3GPP Rel 6	HSUPA Subtest-1	16.74	16.96	16.76	18.10	18.50	18.47	18.59
3GPP Rel 6	HSUPA Subtest-2	13.58	13.62	13.54	14.90	16.57	16.52	17.60
3GPP Rel 6	HSUPA Subtest-3	14.54	14.84	14.77	15.90	17.47	17.49	18.60
3GPP Rel 6	HSUPA Subtest-4	13.64	13.71	13.72	14.90	16.45	16.42	16.31
3GPP Rel 6	HSUPA Subtest-5	16.74	16.98	16.79	18.10	18.43	18.52	18.66



Band 2 Ant 6 DS19									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.80	17.80	17.80			
20	QPSK	1	49	17.68	17.76	17.73	19.2	0	
20	QPSK	1	99	17.83	17.78	17.65			
20	QPSK	50	0	17.72	17.84	17.88			
20	QPSK	50	24	17.76	17.72	17.80	19.2	0	
20	QPSK	50	50	17.67	17.76	17.75			
20	QPSK	100	0	17.75	17.80	17.78			
20	16QAM	1	0	17.72	17.72	17.57			
20	16QAM	1	49	17.69	17.61	17.76	19.2	0	
20	16QAM	1	99	17.93	17.85	17.84			
20	16QAM	50	0	17.21	17.74	17.71			
20	16QAM	50	24	17.73	17.79	17.77	19.2	0	
20	16QAM	50	50	17.79	17.80	17.69			
20	16QAM	100	0	17.76	17.75	17.65			
20	84QAM	1	0	17.70	17.72	17.70			
20	84QAM	1	49	17.78	17.88	17.81	19.2	0	
20	84QAM	1	99	17.83	17.80	17.65			
20	84QAM	50	0	17.82	17.78	17.75			
20	84QAM	50	24	17.81	17.76	17.74	19.2	0	
20	84QAM	50	50	17.80	17.82	17.76			
20	84QAM	100	0	17.83	17.76	17.62			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.78	17.90	17.73			
15	QPSK	1	37	17.64	17.63	17.69	19.2	0	
15	QPSK	1	74	17.79	17.75	17.60			
15	QPSK	36	0	17.59	17.75	17.57			
15	QPSK	36	20	17.65	17.62	17.54	19.2	0	
15	QPSK	36	39	17.58	17.70	17.71			
15	QPSK	75	0	17.65	17.75	17.70			
15	16QAM	1	0	17.63	17.59	17.46			
15	16QAM	1	37	17.85	17.72	17.74	19.2	0	
15	16QAM	1	74	17.81	17.72	17.79			
15	16QAM	36	0	17.59	17.70	17.58			
15	16QAM	36	20	17.63	17.62	17.52	19.2	0	
15	16QAM	36	39	17.67	17.70	17.61			
15	16QAM	75	0	17.68	17.72	17.62			
15	84QAM	1	0	17.66	17.64	17.63			
15	84QAM	1	37	17.68	17.84	17.73	19.2	0	
15	84QAM	1	74	17.71	17.67	17.58			
15	84QAM	36	0	17.70	17.65	17.66			
15	84QAM	36	20	17.67	17.63	17.60	19.2	0	
15	84QAM	36	39	17.74	17.74	17.69			
15	84QAM	75	0	17.66	17.66	17.56			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.80	17.85	17.88			
10	QPSK	1	25	17.56	17.64	17.65	19.2	0	
10	QPSK	1	49	17.70	17.72	17.58			
10	QPSK	25	0	17.68	17.76	17.53			
10	QPSK	25	12	17.69	17.67	17.51	19.2	0	
10	QPSK	25	25	17.52	17.67	17.69			
10	QPSK	50	0	17.61	17.75	17.69			
10	16QAM	1	0	17.58	17.60	17.49			
10	16QAM	1	25	17.81	17.70	17.71	19.2	0	
10	16QAM	1	49	17.82	17.75	17.71			
10	16QAM	25	0	17.59	17.61	17.61			
10	16QAM	25	12	17.64	17.74	17.61	19.2	0	
10	16QAM	25	25	17.75	17.70	17.64			
10	16QAM	50	0	17.73	17.65	17.52			
10	84QAM	1	0	17.60	17.60	17.58			
10	84QAM	1	25	17.71	17.64	17.77	19.2	0	
10	84QAM	1	49	17.69	17.69	17.55			
10	84QAM	25	0	17.70	17.70	17.67			
10	84QAM	25	12	17.75	17.72	17.61	19.2	0	
10	84QAM	25	25	17.72	17.73	17.71			
10	84QAM	50	0	17.80	17.69	17.56			
Channel									
Frequency (MHz)									
5	QPSK	1	0	17.76	17.82	17.78			
5	QPSK	1	12	17.65	17.68	17.61	19.2	0	
5	QPSK	1	24	17.77	17.73	17.62			
5	QPSK	12	0	17.58	17.80	17.63			
5	QPSK	12	7	17.62	17.60	17.52	19.2	0	
5	QPSK	12	13	17.58	17.61	17.63			
5	QPSK	25	0	17.65	17.74	17.71			
5	16QAM	1	0	17.60	17.63	17.49			
5	16QAM	1	12	17.84	17.71	17.64	19.2	0	
5	16QAM	1	24	17.89	17.76	17.72			
5	16QAM	12	0	17.64	17.64	17.61			
5	16QAM	12	7	17.63	17.70	17.55	19.2	0	
5	16QAM	12	13	17.75	17.70	17.57			
5	16QAM	25	0	17.63	17.70	17.59			
5	84QAM	1	0	17.56	17.65	17.59			
5	84QAM	1	12	17.71	17.78	17.71	19.2	0	
5	84QAM	1	24	17.79	17.68	17.52			
5	84QAM	12	0	17.70	17.73	17.64			
5	84QAM	12	7	17.67	17.73	17.64	19.2	0	
5	84QAM	12	13	17.76	17.70	17.71			
5	84QAM	25	0	17.69	17.65	17.48			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.84	17.88	17.79			
3	QPSK	1	8	17.56	17.62	17.63	19.2	0	
3	QPSK	1	14	17.78	17.74	17.53			
3	QPSK	8	0	17.57	17.77	17.64			
3	QPSK	8	4	17.64	17.58	17.46	19.2	0	
3	QPSK	8	7	17.73	17.67	17.61			
3	QPSK	15	0	17.70	17.72	17.66			
3	16QAM	1	0	17.67	17.65	17.48			
3	16QAM	1	8	17.79	17.75	17.66	19.2	0	
3	16QAM	1	14	17.86	17.74	17.80			
3	16QAM	8	0	17.61	17.65	17.59			
3	16QAM	8	4	17.66	17.76	17.60	19.2	0	
3	16QAM	8	7	17.67	17.67	17.59			
3	16QAM	15	0	17.64	17.58	17.59			
3	84QAM	1	8	17.69	17.84	17.76	19.2	0	
3	84QAM	1	14	17.72	17.74	17.55			
3	84QAM	8	0	17.73	17.64	17.67			
3	84QAM	8	4	17.73	17.69	17.60	19.2	0	
3	84QAM	8	7	17.72	17.79	17.62			
3	84QAM	15	0	17.73	17.68	17.48			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.78	17.81	17.77			
1.4	QPSK	1	3	17.62	17.62	17.70	19.2	0	
1.4	QPSK	1	5	17.74	17.65	17.80			
1.4	QPSK	3	0	17.68	17.78	17.54			
1.4	QPSK	3	1	17.64	17.68	17.48	19.2	0	
1.4	QPSK	3	3	17.54	17.70	17.69			
1.4	QPSK	6	0	17.68	17.68	17.66	19.2	0	
1.4	16QAM	1	0	17.62	17.61	17.51			
1.4	16QAM	1	5	17.73	17.76	17.69			
1.4	16QAM	1	3	17.87	17.72	17.79	19.2	0	
1.4	16QAM	3	0	17.59	17.65	17.58			
1.4	16QAM	3	1	17.65	17.75	17.56			
1.4	16QAM	3	3	17.66	17.65	17.59			
1.4	16QAM	6	0	17.65	17.66	17.55	19.2	0	
1.4	84QAM	1	0	17.57	17.60	17.58			
1.4	84QAM	1	3	17.69	17.76	17.77			
1.4	84QAM	1	5	17.73	17.65	17.66	19.2	0	
1.4	84QAM	3	0	17.72	17.67	17.62			
1.4	84QAM	3	1	17.74	17.65	17.65			
1.4	84QAM	3	3	17.74	17.72	17.63			
1.4	84QAM	6	0	17.73	17.68	17.50	19.2	0	

Band 4 Ant 6 DS19									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.20	19.20	19.20			
20	QPSK	1	49	19.18	19.12	19.04	20.6	0	
20	QPSK	1	99	19.12	19.16	19.03			
20	QPSK	50	0	19.21	19.31	19.12			
20	QPSK	50	24	19.13	19.10	19.04	20.6	0	
20	QPSK	50	50	19.05	19.15	19.10			
20	QPSK								



Band 25 Ant 6 DS19

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				26140	26340	26590		
20	QPSK	1	0	18.10	18.14	18.11	19.2	0
20	QPSK	1	49	17.85	17.94	17.91		
20	QPSK	1	99	17.92	17.96	17.98		
20	QPSK	50	0	17.96	18.11	17.88		
20	QPSK	50	24	17.93	17.87	17.90		
20	QPSK	50	50	17.92	18.06	17.88		
20	QPSK	100	0	17.89	18.08	17.92		
20	16QAM	1	0	17.98	17.93	17.92	19.2	0
20	16QAM	1	49	18.08	18.07	18.05		
20	16QAM	1	99	18.09	18.05	17.97		
20	16QAM	50	0	18.03	17.95	17.94		
20	16QAM	50	24	17.89	17.86	17.88		
20	16QAM	50	50	17.92	18.02	17.90		
20	16QAM	100	0	17.89	18.00	17.79		
20	64QAM	1	0	17.89	17.91	17.95		
20	64QAM	1	49	17.88	18.01	17.99		
20	64QAM	1	99	18.00	18.04	17.92		
20	64QAM	50	0	17.95	17.96	17.90		
20	64QAM	50	24	18.05	18.04	17.82		
20	64QAM	50	50	18.12	17.94	17.95		
20	64QAM	100	0	18.06	17.89	17.89		
Channel								
Frequency (MHz)				26115	26340	26615		
15	QPSK	1	0	17.99	18.04	17.99	19.2	0
15	QPSK	1	37	17.70	17.89	17.82		
15	QPSK	1	74	17.78	17.89	17.91		
15	QPSK	36	0	17.87	18.05	17.74		
15	QPSK	36	20	17.89	17.81	17.81		
15	QPSK	36	39	17.78	18.03	17.77		
15	QPSK	75	0	17.83	18.04	17.85		
15	16QAM	1	0	17.88	17.88	17.77		
15	16QAM	1	37	18.03	18.03	18.00		
15	16QAM	1	74	18.08	18.01	17.92		
15	16QAM	36	0	17.98	17.89	17.87		
15	16QAM	36	20	17.74	17.72	17.80		
15	16QAM	36	39	17.81	17.89	17.80		
15	16QAM	75	0	17.82	17.96	17.58		
15	64QAM	1	0	17.78	17.84	17.92		
15	64QAM	1	37	17.89	17.90	17.94		
15	64QAM	1	74	17.86	17.93	17.81		
15	64QAM	36	0	17.85	17.83	17.80		
15	64QAM	36	20	17.95	17.92	17.67		
15	64QAM	36	39	17.96	17.86	17.90		
15	64QAM	75	0	17.99	17.75	17.75		
Channel								
Frequency (MHz)				26090	26340	26640		
10	QPSK	1	0	18.01	18.08	18.06	19.2	0
10	QPSK	1	25	17.82	17.83	17.85		
10	QPSK	1	49	17.85	17.86	18.00		
10	QPSK	25	0	17.88	18.03	17.81		
10	QPSK	25	12	17.81	17.77	17.80		
10	QPSK	25	25	17.85	17.95	17.75		
10	QPSK	50	0	17.81	17.96	17.82		
10	16QAM	1	0	17.90	17.80	17.84		
10	16QAM	1	25	18.00	17.99	18.02		
10	16QAM	1	49	18.00	17.97	17.88		
10	16QAM	25	0	17.89	17.80	17.90		
10	16QAM	25	12	17.79	17.72	17.80		
10	16QAM	25	25	17.79	17.90	17.80		
10	16QAM	50	0	17.79	17.91	17.68		
10	64QAM	1	0	17.77	17.85	17.89		
10	64QAM	1	25	17.94	17.87	17.90		
10	64QAM	1	49	17.86	17.92	17.85		
10	64QAM	25	0	17.88	17.83	17.81		
10	64QAM	25	12	17.97	17.89	17.72		
10	64QAM	25	25	18.01	17.88	17.86		
10	64QAM	50	0	17.94	17.74	17.84		
Channel								
Frequency (MHz)				26065	26340	26665		
5	QPSK	1	0	18.00	18.01	18.03	19.2	0
5	QPSK	1	12	17.77	17.86	17.88		
5	QPSK	1	24	17.86	17.87	17.96		
5	QPSK	12	0	17.89	17.98	17.75		
5	QPSK	12	7	17.85	17.73	17.82		
5	QPSK	12	13	17.83	17.96	17.77		
5	QPSK	25	0	17.80	18.01	17.77		
5	16QAM	1	0	17.94	17.85	17.86		
5	16QAM	1	12	18.00	17.96	17.92		
5	16QAM	1	24	18.06	17.95	17.86		
5	16QAM	12	0	17.95	17.81	17.90		
5	16QAM	12	7	17.79	17.83	17.85		
5	16QAM	12	13	17.85	17.98	17.86		
5	16QAM	25	0	17.80	17.90	17.74		
5	64QAM	1	0	17.76	17.84	17.86		
5	64QAM	1	12	17.89	17.97	17.95		
5	64QAM	1	24	17.93	18.00	17.85		
5	64QAM	12	0	17.83	17.81	17.80		
5	64QAM	12	7	18.02	17.89	17.77		
5	64QAM	12	13	18.02	17.87	17.83		
5	64QAM	25	0	18.02	17.80	17.77		
Channel								
Frequency (MHz)				26055	26340	26675		
3	QPSK	1	0	18.04	17.99	17.99	19.2	0
3	QPSK	1	8	17.77	17.82	17.80		
3	QPSK	1	14	17.78	17.82	17.92		
3	QPSK	8	0	17.81	18.04	17.83		
3	QPSK	8	4	17.81	17.84	17.85		
3	QPSK	8	7	17.87	17.92	17.79		
3	QPSK	15	0	17.80	18.03	17.79		
3	16QAM	1	0	17.86	17.83	17.82		
3	16QAM	1	8	17.94	18.01	18.02		
3	16QAM	1	14	18.03	17.99	17.84		
3	16QAM	8	0	17.98	17.88	17.81		
3	16QAM	8	4	17.79	17.82	17.84		
3	16QAM	8	7	17.81	17.90	17.85		
3	16QAM	15	0	17.85	17.94	17.74		
3	64QAM	1	0	17.80	17.80	17.89		
3	64QAM	1	8	17.92	17.88	17.91		
3	64QAM	1	14	17.94	17.95	17.88		
3	64QAM	8	0	17.83	17.91	17.79		
3	64QAM	8	4	18.00	17.98	17.71		
3	64QAM	8	7	18.01	17.80	17.89		
Channel								
Frequency (MHz)				26037	26340	26683		
1.4	QPSK	1	0	18.06	18.10	17.98	19.2	0
1.4	QPSK	1	3	17.71	17.84	17.84		
1.4	QPSK	1	5	17.86	17.92	18.03		
1.4	QPSK	3	0	17.90	18.07	17.80		
1.4	QPSK	3	1	17.83	17.76	17.78		
1.4	QPSK	3	3	17.81	17.99	17.74		
1.4	QPSK	6	0	17.82	17.94	17.84		
1.4	16QAM	1	0	17.87	17.81	17.87		
1.4	16QAM	1	3	17.99	17.98	17.99		
1.4	16QAM	1	5	18.10	17.94	17.85		
1.4	16QAM	3	0	17.88	17.89	17.87		
1.4	16QAM	3	1	17.86	17.79	17.76		
1.4	16QAM	3	3	17.80	17.89	17.75		
1.4	16QAM	6	0	17.80	17.89	17.66		
1.4	64QAM	1	0	17.76	17.87	17.89		
1.4	64QAM	1	3	17.94	17.86	17.84		
1.4	64QAM	1	5	17.86	17.92	17.85		
1.4	64QAM	3	0	17.88	17.91	17.81		
1.4	64QAM	3	1	17.99	17.91	17.74		
1.4	64QAM	3	3	17.97	17.82	17.91		
1.4	64QAM	6	0	17.94	17.85	17.83		

Band 66 Ant 6 DS19

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				132072	132322	132572		
20	QPSK	1	0	19.32	17.45	17.70	20.6	0
20	QPSK	1	49	19.03	19.09	19.08		
20	QPSK	1	99	19.12	19.21	19.32		
20	QPSK	50	0	19.16	19.28	19.08		
20	QPSK	50	24	19.12	19.09	19.06		
20	QPSK	50	50	19.18	19.27	19.04		
20	QPSK	100	0	19.10	19.24	19.12		
20	16QAM	1	0	19.22	19.16	19.09	20.6	0
20	16QAM	1	49	19.34	19.29	19.28		
20	16QAM	1	99	19.34	19.28	19.15		
20	16QAM	50	0	19.22	19.15	19.20		
20	16QAM	50	24	19.10	19.02	19.11	</	



Band 38 Ant 6 DS19										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	16.35	16.37	16.31	17.2	0		
20	QPSK	1	49	16.04	16.07	16.14				
20	QPSK	1	99	16.18	16.22	16.34	17.2	0		
20	QPSK	50	0	16.15	16.34	16.09				
20	QPSK	50	24	16.17	16.06	16.06	17.2	0		
20	QPSK	50	50	16.24	16.32	16.00				
20	QPSK	100	0	16.09	16.19	16.16	17.2	0		
20	16QAM	1	0	16.20	16.17	16.11				
20	16QAM	1	49	16.35	16.26	16.35	17.2	0		
20	16QAM	1	99	16.32	16.31	16.16				
20	16QAM	50	0	16.25	16.22	16.21	17.2	0		
20	16QAM	50	24	16.13	16.01	16.17				
20	16QAM	50	50	16.20	16.33	16.19	17.2	0		
20	16QAM	100	0	16.12	16.30	16.09				
20	64QAM	1	0	16.10	16.10	16.17	17.2	0		
20	64QAM	1	49	16.22	16.13	16.19				
20	64QAM	1	99	16.26	16.18	16.05	17.2	0		
20	64QAM	50	0	16.11	16.21	16.07				
20	64QAM	50	24	16.31	16.26	16.05	17.2	0		
20	64QAM	50	50	16.35	16.17	16.20				
20	64QAM	100	0	16.29	16.15	16.17				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	16.23	16.32	16.19	17.2	0		
15	QPSK	1	37	15.91	15.96	16.02				
15	QPSK	1	74	16.10	16.19	16.27	17.2	0		
15	QPSK	36	0	16.01	16.24	16.02				
15	QPSK	36	20	16.09	15.94	15.98	17.2	0		
15	QPSK	36	39	16.15	16.26	15.86				
15	QPSK	75	0	16.01	16.13	16.10	17.2	0		
15	16QAM	1	0	16.15	16.03	16.07				
15	16QAM	1	37	16.27	16.23	16.25	17.2	0		
15	16QAM	1	74	16.28	16.24	16.07				
15	16QAM	36	0	16.19	16.17	16.13	17.2	0		
15	16QAM	36	20	16.08	15.97	16.13				
15	16QAM	36	39	16.12	16.30	16.09	17.2	0		
15	16QAM	75	0	16.06	16.23	15.95				
15	64QAM	1	0	16.02	15.98	16.05	17.2	0		
15	64QAM	1	37	16.10	16.01	16.06				
15	64QAM	1	74	16.22	16.08	15.90	17.2	0		
15	64QAM	36	0	16.07	16.10	15.96				
15	64QAM	36	20	16.19	16.17	15.92	17.2	0		
15	64QAM	36	39	16.25	16.08	16.17				
15	64QAM	75	0	16.19	16.00	16.08				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	16.29	16.28	16.25	17.2	0		
10	QPSK	1	25	15.90	15.94	16.04				
10	QPSK	1	49	16.12	16.18	16.30	17.2	0		
10	QPSK	25	0	16.02	16.23	16.04				
10	QPSK	25	12	16.02	15.94	15.94	17.2	0		
10	QPSK	25	25	16.17	16.28	15.96				
10	QPSK	50	0	15.95	16.04	16.12	17.2	0		
10	16QAM	1	0	16.09	16.04	16.08				
10	16QAM	1	25	16.32	16.21	16.26	17.2	0		
10	16QAM	1	49	16.25	16.21	16.03				
10	16QAM	25	0	16.17	16.16	16.18	17.2	0		
10	16QAM	25	12	16.03	15.96	16.11				
10	16QAM	25	25	16.07	16.29	16.07	17.2	0		
10	16QAM	50	0	16.08	16.23	15.95				
10	64QAM	1	0	16.02	16.02	16.05	17.2	0		
10	64QAM	1	25	16.15	16.04	16.12				
10	64QAM	1	49	16.11	16.12	15.98	17.2	0		
10	64QAM	25	0	16.03	16.07	16.00				
10	64QAM	25	12	16.18	16.20	15.93	17.2	0		
10	64QAM	25	25	16.32	16.08	16.11				
10	64QAM	50	0	16.24	16.05	16.03				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	16.27	16.25	16.16	17.2	0		
5	QPSK	1	12	15.99	15.98	16.04				
5	QPSK	1	24	16.13	16.11	16.25	17.2	0		
5	QPSK	12	0	16.11	16.31	15.98				
5	QPSK	12	7	16.08	15.91	15.92	17.2	0		
5	QPSK	12	13	16.10	16.17	15.93				
5	QPSK	25	0	16.06	16.12	16.09	17.2	0		
5	16QAM	1	0	16.13	16.08	16.01				
5	16QAM	1	12	16.20	16.21	16.31	17.2	0		
5	16QAM	1	24	16.18	16.18	16.08				
5	16QAM	12	0	16.20	16.10	16.08	17.2	0		
5	16QAM	12	7	15.98	15.87	16.05				
5	16QAM	12	13	16.12	16.18	16.10	17.2	0		
5	16QAM	25	0	15.99	16.23	15.99				
5	64QAM	1	0	15.98	15.95	16.02	17.2	0		
5	64QAM	1	12	16.10	16.07	16.10				
5	64QAM	1	24	16.16	16.08	15.93	17.2	0		
5	64QAM	12	0	16.04	16.18	15.99				
5	64QAM	12	7	16.24	16.13	15.91	17.2	0		
5	64QAM	12	13	16.26	16.04	16.12				

Band 41 Ant 6 DS19										
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	16.45	16.39	16.53	16.47	16.42	17.2	0
20	QPSK	1	49	16.22	16.23	16.15	16.20	16.30		
20	QPSK	1	99	16.33	16.45	16.30	16.51	16.49	17.2	0
20	QPSK	50	0	16.45	16.36	16.49	16.21	16.23		
20	QPSK	50	24	16.21	16.32	16.23	16.19	16.28	17.2	0
20	QPSK	50	50	16.47	16.27	16.39	16.39	16.40		
20	QPSK	100	0	16.27	16.25	16.31	16.28	16.21	17.2	0
20	16QAM	1	0	16.25	16.22	16.32	16.27	16.19		
20	16QAM	1	49	16.36	16.48	16.40	16.49	16.44	17.2	0
20	16QAM	1	99	16.46	16.31	16.47	16.26	16.27		
20	16QAM	50	0	16.36	16.34	16.36	16.31	16.26	17.2	0
20	16QAM	50	24	16.27	16.22	16.26	16.33	16.34		
20	16QAM	50	50	16.49	16.28	16.42	16.26	16.31	17.2	0
20	16QAM	100	0	16.40	16.16	16.45	16.20	16.14		
20	64QAM	1	0	16.19	16.32	16.17	16.29	16.27	17.2	0
20	64QAM	1	49	16.30	16.26	16.28	16.34	16.26		
20	64QAM	1	99	16.32	16.18	16.24	16.16	16.22	17.2	0
20	64QAM	50	0	16.26	16.18	16.32	16.20	16.24		
20	64QAM	50	24	16.37	16.20	16.33	16.12	16.19	17.2	0
20	64QAM	50	50	16.33	16.29	16.25	16.27	16.26		
20	64QAM	100	0	16.31	16.22	16.30	16.27	16.28		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	16.38	16.30	16.49	16.37	16.28	17.20	0
15	QPSK	1	37	16.16	16.11	16.10	16.12	16.15		
15	QPSK	1	74	16.18	16.35	16.16	16.41	16.44	17.2	0
15	QPSK	36	0	16.31	16.25	16.40	16.08	16.09		
15	QPSK	36	20	16.06	16.23	16.14	16.06	16.21	17.2	0
15	QPSK	36	39	16.41	16.24	16.35	16.31	16.30		
15	QPSK	75	0	16.23	16.10	16.16	16.24	16.09	17.2	0
15	16QAM	1	0	16.15	16.16	16.22	16.15	16.09		
15	16QAM	1	37	16.23	16.35	16.31	16.44	16.34	17.2	0
15	16QAM	1	74	16.34	16.18	16.43	16.15	16.13		
15	16QAM	36</								



Reduced Power Level for DSI 11

GSM850 Ant 0 DSI11								
GSM850 TX Channel	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	32.00	32.42	336.4	348.6	23.00
GSM 1 Tx slot	30.63	30.83	30.81	32.00	21.63	21.83	21.81	23.00
GPRS 1 Tx slots	30.55	30.60	30.81	32.00	21.55	21.60	21.81	23.00
GPRS 2 Tx slots	27.01	27.03	27.10	29.00	21.01	21.03	21.10	23.00
GPRS 3 Tx slots	25.24	25.26	25.38	27.20	20.98	21.00	21.12	22.94
GPRS 4 Tx slots	24.06	24.13	24.02	26.00	21.06	21.13	21.02	23.00
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI11				
Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4387	4407	4458	
RI Channel	4387	4407	4458	
Frequency (MHz)	828.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.14	22.19	23.00
3GPP Rel 99	RMC 12.2Kbps	22.21	22.26	23.00
3GPP Rel 6	HSDPA Subtest-1	18.83	18.95	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.96	20.00
3GPP Rel 6	HSDPA Subtest-3	20.43	20.47	20.36
3GPP Rel 6	HSDPA Subtest-4	20.22	20.33	20.38
3GPP Rel 8	DC-HSDPA Subtest-1	18.79	19.04	18.93
3GPP Rel 8	DC-HSDPA Subtest-2	18.76	18.92	18.95
3GPP Rel 8	DC-HSDPA Subtest-3	20.25	20.44	20.38
3GPP Rel 8	DC-HSDPA Subtest-4	20.30	20.50	20.44
3GPP Rel 6	HSUPA Subtest-1	18.83	18.92	18.86
3GPP Rel 6	HSUPA Subtest-2	16.80	16.93	16.91
3GPP Rel 6	HSUPA Subtest-3	17.75	18.05	17.93
3GPP Rel 6	HSUPA Subtest-4	16.81	16.96	16.94
3GPP Rel 6	HSUPA Subtest-5	18.82	18.96	18.95



Band 5 Ant 0 DSI11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.10	22.30	22.26	23	0
10	QPSK	1	25	22.15	22.14	22.13		
10	QPSK	1	49	22.16	22.16	22.18	23	0
10	QPSK	25	0	22.15	22.27	22.15		
10	QPSK	25	12	22.17	22.12	22.14	23	0
10	QPSK	25	25	22.23	22.12	22.22		
10	QPSK	50	0	22.22	22.23	22.20	23	0
10	16QAM	1	0	22.04	22.08	22.13		
10	16QAM	1	25	22.19	22.23	22.21	23	0
10	16QAM	1	49	22.18	22.16	22.11		
10	16QAM	25	0	22.05	22.10	22.14	23	0
10	16QAM	25	12	22.15	22.18	22.20		
10	16QAM	25	25	22.11	22.14	22.27	23	0
10	16QAM	50	0	22.11	22.12	22.14		
10	64QAM	1	0	22.08	22.19	22.14	23	0
10	64QAM	1	25	22.23	22.25	22.29		
10	64QAM	1	49	22.19	22.11	22.29	22.5	0.5
10	64QAM	25	0	21.63	21.70	21.62		
10	64QAM	25	12	21.51	21.60	21.52	22.5	0.5
10	64QAM	25	25	21.50	21.55	21.47		
10	64QAM	50	0	21.47	21.61	21.47		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.99	22.18	22.18	23	0
5	QPSK	1	12	22.12	22.01	22.04		
5	QPSK	1	24	22.03	22.06	22.14	23	0
5	QPSK	12	0	22.12	22.23	22.03		
5	QPSK	12	7	22.07	22.09	22.10	23	0
5	QPSK	12	13	22.15	22.04	22.13		
5	QPSK	25	0	22.14	22.10	22.10	23	0
5	16QAM	1	0	21.92	22.02	22.01		
5	16QAM	1	12	22.12	22.18	22.11	23	0
5	16QAM	1	24	22.12	22.13	22.23		
5	16QAM	12	0	21.99	21.99	22.01	23	0
5	16QAM	12	7	22.09	22.06	22.12		
5	16QAM	12	13	22.05	22.09	22.13	23	0
5	16QAM	25	0	22.02	21.99	22.03		
5	64QAM	1	0	21.96	22.14	22.06	23	0
5	64QAM	1	12	22.20	22.11	22.17		
5	64QAM	1	24	22.06	22.01	22.15	22.5	0.5
5	64QAM	12	0	21.60	21.59	21.47		
5	64QAM	12	7	21.43	21.56	21.48	22.5	0.5
5	64QAM	12	13	21.46	21.43	21.44		
5	64QAM	25	0	21.35	21.50	21.37		
Channel				20416	20525	20635		
Frequency (MHz)				835.5	836.5	847.5		
3	QPSK	1	0	22.03	22.26	22.14	23	0
3	QPSK	1	8	22.02	22.04	22.00		
3	QPSK	1	14	22.10	22.05	22.09	23	0
3	QPSK	8	0	22.10	22.17	22.07		
3	QPSK	8	4	22.09	21.98	22.03	23	0
3	QPSK	8	7	22.16	21.99	22.10		
3	QPSK	15	0	22.18	22.11	22.12	23	0
3	16QAM	1	0	22.00	21.97	22.04		
3	16QAM	1	8	22.16	22.09	22.14	23	0
3	16QAM	1	14	22.12	22.08	22.23		
3	16QAM	8	0	21.95	21.98	22.09	23	0
3	16QAM	8	4	22.06	22.05	22.17		
3	16QAM	8	7	22.01	22.11	22.17	23	0
3	16QAM	15	0	22.02	21.98	22.06		
3	64QAM	1	0	21.99	22.15	22.02	23	0
3	64QAM	1	8	22.14	22.18	22.25		
3	64QAM	1	14	22.07	22.06	22.17	22.5	0.5
3	64QAM	8	0	21.49	21.56	21.50		
3	64QAM	8	4	21.37	21.51	21.46	22.5	0.5
3	64QAM	8	7	21.44	21.51	21.33		
3	64QAM	15	0	21.40	21.51	21.40		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.01	22.15	22.11	23	0
1.4	QPSK	1	3	22.11	22.08	22.00		
1.4	QPSK	1	5	22.09	22.08	22.08	23	0
1.4	QPSK	3	0	22.03	22.13	22.10		
1.4	QPSK	3	1	22.05	22.04	22.09	23	0
1.4	QPSK	3	3	22.18	22.08	22.15		
1.4	QPSK	6	0	22.08	22.15	22.14	23	0
1.4	16QAM	1	0	21.98	21.94	22.05		
1.4	16QAM	1	3	22.09	22.12	22.08	23	0
1.4	16QAM	1	5	22.04	22.06	22.25		
1.4	16QAM	3	0	21.97	21.99	22.06	23	0
1.4	16QAM	3	1	22.08	22.08	22.07		
1.4	16QAM	3	3	21.98	22.09	22.19	23	0
1.4	16QAM	6	0	22.05	22.08	22.03		
1.4	64QAM	1	0	21.56	22.09	22.00	23	0
1.4	64QAM	1	3	22.13	22.22	22.15		
1.4	64QAM	1	5	22.11	22.02	22.16	23	0
1.4	64QAM	3	0	22.08	22.19	22.07		
1.4	64QAM	3	1	21.89	21.98	22.00	22.5	0.5
1.4	64QAM	3	3	22.14	22.12	22.15		
1.4	64QAM	6	0	21.40	21.57	21.33		

Band 12 Ant 0 DSI11

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				23600	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.95	22.21	22.12	23	0
10	QPSK	1	25	21.95	22.02	21.94		
10	QPSK	1	49	21.98	22.06	22.01	23	0
10	QPSK	25	0	21.97	22.15	22.02		
10	QPSK	25	12	22.08	21.95	22.03	23	0
10	QPSK	25	25	22.05	22.10	22.03		
10	QPSK	50	0	22.08	22.14	22.07	23	0
10	16QAM	1	0	21.95	21.95	22.04		
10	16QAM	1	25	22.11	22.14	22.04	23	0
10	16QAM	1	49	22.08	21.97	22.12		
10	16QAM	25	0	21.95	22.00	22.05	23	0
10	16QAM	25	12	21.98	22.08	22.08		
10	16QAM	25	25	21.93	22.01	22.14	23	0
10	16QAM	50	0	21.92	21.93	21.99		
10	64QAM	1	0	21.91	22.07	21.98	23	0
10	64QAM	1	25	22.14	22.13	22.17		
10	64QAM	1	49	22.01	22.00	22.18	22.5	0.5
10	64QAM	25	0	21.67	21.77	21.64		
10	64QAM	25	12	21.57	21.65	21.60	22.5	0.5
10	64QAM	25	25	21.69	21.73	21.64		
10	64QAM	50	0	21.50	21.63	21.55		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.91	22.07	22.02	23	0
5	QPSK	1	12	21.92	21.92	21.86		
5	QPSK	1	24	21.92	21.95	21.94	23	0
5	QPSK	12	0	21.89	22.06	21.87		
5	QPSK	12	7	21.93	21.95	22.00	23	0
5	QPSK	12	13	21.97	22.00	21.94		
5	QPSK	25	0	21.89	22.01	21.98	23	0
5	16QAM	1	0	21.79	21.87	21.91		
5	16QAM	1	12	22.03	22.09	21.92	23	0
5	16QAM	1	24	21.97	21.87	22.08		
5	16QAM	12	0	21.88	21.97	21.92	23	0
5	16QAM	12	7	21.88	21.94	22.01		
5	16QAM	12	13	21.79	21.92	22.05	23	0
5	16QAM	25	0	21.86	21.88	21.87		
5	64QAM	1	0	21.86	22.00	21.88	23	0
5	64QAM	1	12	22.10	22.06	22.09		
5	64QAM	1	24	21.82	21.97	22.13	22.5	0.5
5	64QAM	12	0	21.56	21.67	21.50		
5	64QAM	12	7	21.50	21.53	21.54	22.5	0.5
5	64QAM	12	13	21.63	21.62	21.55		
5	64QAM	25	0	21.44	21.53	21.42		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.90	22.12	22.04	23	0
3	QPSK	1	8	21.91	21.95	21.81		
3	QPSK	1	14	21.87	22.02	21.94	23	0
3	QPSK	8	0	21.90	22.05	21.92		
3	QPSK	8	4	21.94	21.90	21.89	23	0
3	QPSK	8	7	22.01	22.01	21.90		
3	QPSK	15	0	21.94	21.99	22.00	23	0
3	16QAM	1	0	21.72	21.90	22.01		
3								



Band 17 Ant 0 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.90	22.16	22.10	23	0	
10	QPSK	1	25	21.81	21.94	21.99			
10	QPSK	1	49	21.95	22.01	21.91			
10	QPSK	25	0	21.94	22.12	22.06	23	0	
10	QPSK	25	12	21.99	21.80	21.84			
10	QPSK	25	25	21.91	22.03	22.10			
10	QPSK	50	0	22.02	22.07	22.00	23	0	
10	16QAM	1	0	21.73	21.85	21.83			
10	16QAM	1	25	22.00	22.08	22.05			
10	16QAM	1	49	21.94	21.91	21.93	23	0	
10	16QAM	25	0	21.83	21.91	21.88			
10	16QAM	25	12	21.92	22.03	22.00			
10	16QAM	25	25	21.81	21.89	21.94	23	0	
10	16QAM	50	0	21.85	21.86	21.80			
10	64QAM	1	0	21.87	22.00	22.06			
10	64QAM	1	25	22.02	21.98	22.09	23	0	
10	64QAM	1	49	21.92	21.92	21.83			
10	64QAM	25	0	21.64	21.69	21.61			
10	64QAM	25	12	21.57	21.65	21.57	22.5	0.5	
10	64QAM	25	25	21.54	21.65	21.57			
10	64QAM	50	0	21.51	21.63	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.86	22.11	22.10	23	0	
5	QPSK	1	12	21.72	21.87	21.86			
5	QPSK	1	24	21.88	21.95	21.94			
5	QPSK	12	0	21.88	22.03	22.01	23	0	
5	QPSK	12	7	21.85	21.70	21.70			
5	QPSK	12	13	21.87	21.91	22.04			
5	QPSK	25	0	21.91	21.98	21.94	23	0	
5	16QAM	1	0	21.61	21.80	21.88			
5	16QAM	1	12	21.92	21.93	22.01			
5	16QAM	1	24	21.87	21.77	21.82	23	0	
5	16QAM	12	0	21.70	21.82	21.83			
5	16QAM	12	7	21.84	21.94	21.88			
5	16QAM	12	13	21.69	21.74	21.91	23	0	
5	16QAM	25	0	21.78	21.79	21.73			
5	64QAM	1	0	21.78	21.92	21.99			
5	64QAM	1	12	21.92	21.91	22.03	23	0	
5	64QAM	1	24	21.87	21.79	21.76			
5	64QAM	12	0	21.60	21.60	21.54			
5	64QAM	12	7	21.44	21.50	21.50	22.5	0.5	
5	64QAM	12	13	21.46	21.59	21.51			
5	64QAM	25	0	21.45	21.55	21.38			

Band 26 Ant 0 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.80	22.12	22.10	23	0	
15	QPSK	1	37	21.76	21.85	21.92			
15	QPSK	1	74	21.91	21.91	21.91			
15	QPSK	36	0	21.82	22.03	22.01	23	0	
15	QPSK	36	20	21.87	21.66	21.76			
15	QPSK	36	39	21.80	21.96	22.02			
15	QPSK	75	0	21.96	21.99	21.95	23	0	
15	16QAM	1	0	21.66	21.74	21.79			
15	16QAM	1	37	21.97	21.95	21.95			
15	16QAM	1	74	21.81	21.77	21.88	23	0	
15	16QAM	36	0	21.78	21.77	21.76			
15	16QAM	36	20	21.83	21.99	21.91			
15	16QAM	36	39	21.68	21.79	21.91	23	0	
15	16QAM	75	0	21.74	21.71	21.76			
15	64QAM	1	0	21.82	21.91	21.92			
15	64QAM	1	37	21.89	21.89	22.03	23	0	
15	64QAM	1	74	21.85	21.88	21.74			
15	64QAM	36	0	21.64	21.69	21.56			
15	64QAM	36	20	21.65	21.70	21.61	22.5	0.5	
15	64QAM	36	39	21.48	21.57	21.51			
15	64QAM	75	0	21.56	21.63	21.55			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.76	22.07	22.03	23	0	
10	QPSK	1	25	21.61	21.79	21.86			
10	QPSK	1	49	21.83	21.77	21.81			
10	QPSK	25	0	21.68	21.94	21.91	23	0	
10	QPSK	25	12	21.81	21.56	21.72			
10	QPSK	25	25	21.70	21.82	21.96			
10	QPSK	50	0	21.92	21.84	21.89	23	0	
10	16QAM	1	0	21.59	21.68	21.73			
10	16QAM	1	25	21.80	21.88	21.90			
10	16QAM	1	49	21.71	21.69	21.74	23	0	
10	16QAM	25	0	21.72	21.64	21.70			
10	16QAM	25	12	21.69	21.91	21.85			
10	16QAM	25	25	21.63	21.74	21.85	23	0	
10	16QAM	50	0	21.61	21.60	21.62			
10	64QAM	1	0	21.72	21.87	21.85			
10	64QAM	1	25	21.75	21.82	21.99	23	0	
10	64QAM	1	49	21.78	21.84	21.61			
10	64QAM	25	0	21.59	21.57	21.49			
10	64QAM	25	12	21.50	21.60	21.50	22.5	0.5	
10	64QAM	25	25	21.42	21.43	21.39			
10	64QAM	50	0	21.45	21.53	21.41			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.74	21.95	22.08	23	0	
5	QPSK	1	12	21.67	21.81	21.88			
5	QPSK	1	24	21.77	21.81	21.81			
5	QPSK	12	0	21.70	21.90	21.90	23	0	
5	QPSK	12	7	21.75	21.61	21.65			
5	QPSK	12	13	21.72	21.86	21.94			
5	QPSK	25	0	21.93	21.89	21.89	23	0	
5	16QAM	1	0	21.53	21.60	21.69			
5	16QAM	1	12	21.80	21.80	21.88			
5	16QAM	1	24	21.74	21.73	21.79	23	0	
5	16QAM	12	0	21.65	21.65	21.71			
5	16QAM	12	7	21.77	21.86	21.88			
5	16QAM	12	13	21.60	21.71	21.85	23	0	
5	16QAM	25	0	21.71	21.68	21.67			
5	64QAM	1	0	21.74	21.76	21.83			
5	64QAM	1	12	21.86	21.75	21.97	23	0	
5	64QAM	1	24	21.72	21.82	21.70			
5	64QAM	12	0	21.50	21.61	21.45			
5	64QAM	12	7	21.50	21.62	21.54	22.5	0.5	
5	64QAM	12	13	21.34	21.53	21.47			
5	64QAM	25	0	21.47	21.52	21.49			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.74	22.06	22.03	23	0	
3	QPSK	1	8	21.71	21.77	21.81			
3	QPSK	1	14	21.77	21.85	21.85			
3	QPSK	8	0	21.72	21.99	21.88	23	0	
3	QPSK	8	4	21.81	21.57	21.62			
3	QPSK	8	7	21.71	21.83	21.94			
3	QPSK	15	0	21.89	21.94	21.86	23	0	
3	16QAM	1	0	21.58	21.70	21.73			
3	16QAM	1	8	21.74	21.86	21.85			
3	16QAM	1	14	21.72	21.71	21.74	23	0	
3	16QAM	8	0	21.69	21.71	21.64			
3	16QAM	8	4	21.71	21.86	21.84			
3	16QAM	8	7	21.56	21.72	21.81	23	0	
3	16QAM	15	0	21.67	21.65	21.63			
3	64QAM	1	0	21.74	21.79	21.84			
3	64QAM	1	8	21.78	21.84	21.89	23	0	
3	64QAM	1	14	21.80	21.80	21.70			
3	64QAM	8	0	21.56	21.57	21.51			
3	64QAM	8	4	21.52	21.58	21.55	22.5	0.5	
3	64QAM	8	7	21.37	21.44	21.45			
3	64QAM	15	0	21.46	21.59	21.49			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.76	21.96	22.03	23	0	
1.4	QPSK	1	3	21.64	21.80	21.89			
1.4	QPSK	1	5	21.77	21.83	21.79			
1.4	QPSK	3	0	21.77	21.88	21.92	23	0	
1.4	QPSK	3	1	21.77	21.57	21.72			
1.4	QPSK	3	3	21.70	21.88	21.93			
1.4	QPSK	6	0	21.84	21.90	21.84	23	0	
1.4	16QAM	1	0	21.55	21.69	21.70			
1.4	16QAM	1	3	21.76	21.92	21.83			
1.4	16QAM	1	5	21.69	21.86	21.74	23	0	
1.4	16QAM	3	0	2					



GSM1900 Ant 1 DSI11

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	27.29	27.14	27.25	28.50	18.29	18.14	18.25	19.50
GPRS 1 Tx slot	27.21	27.09	27.18	28.50	18.21	18.09	18.18	19.50
GPRS 2 Tx slots	23.70	23.79	23.75	25.50	17.70	17.79	17.75	19.50
GPRS 3 Tx slots	21.78	21.74	21.79	23.70	17.52	17.48	17.53	19.44
GPRS 4 Tx slots	20.61	20.63	20.54	22.50	17.61	17.63	17.54	19.50
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slots	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DSI11

WCDMA IV Ant 1 DSI11

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1519		
TX Channel	9662	9800	9938		1537	1638	1738		
Rx Channel									
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	20.78	20.82	20.74	21.60	20.67	20.69	20.56	21.50
3GPP Rel 99	RMC 12.2Kbps	20.86	20.91	20.85	21.60	20.75	20.77	20.75	21.50
3GPP Rel 6	HSDPA Subtest-1	19.97	20.23	20.26	20.80	20.04	20.05	19.95	20.50
3GPP Rel 6	HSDPA Subtest-2	19.85	20.12	20.01	20.80	19.86	19.99	19.87	20.50
3GPP Rel 6	HSDPA Subtest-3	19.37	19.58	19.40	20.10	19.55	19.57	19.37	20.00
3GPP Rel 6	HSDPA Subtest-4	19.45	19.50	19.50	20.10	19.42	19.61	19.33	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.96	20.29	20.18	20.80	19.90	20.00	19.83	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.09	20.33	20.24	20.80	19.94	19.91	20.08	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.43	19.60	19.57	20.10	19.28	19.49	19.36	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.63	19.58	19.50	20.10	19.32	19.45	19.04	20.00
3GPP Rel 6	HSUPA Subtest-1	20.18	20.28	20.05	20.80	20.17	20.01	19.96	20.50
3GPP Rel 6	HSUPA Subtest-2	17.00	17.00	16.86	17.60	17.91	18.04	17.86	18.50
3GPP Rel 6	HSUPA Subtest-3	18.04	18.02	17.88	18.60	18.90	19.02	18.88	19.50
3GPP Rel 6	HSUPA Subtest-4	16.97	17.07	16.86	17.60	18.09	18.17	18.03	18.50
3GPP Rel 6	HSUPA Subtest-5	20.10	20.45	20.24	20.80	19.70	20.06	19.98	20.50



Band 2 Ant 1 DSI11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.41	20.45	20.21	21.6	0		
20	QPSK	1	49	20.28	20.22	20.21				
20	QPSK	1	99	20.27	20.31	20.25				
20	QPSK	50	0	20.30	20.36	20.31				
20	QPSK	50	24	20.20	20.23	20.21				
20	QPSK	50	50	20.24	20.29	20.29				
20	QPSK	100	0	20.29	20.30	20.19				
20	16QAM	1	0	20.26	20.23	20.18				
20	16QAM	1	49	20.35	20.31	20.36				
20	16QAM	1	99	20.36	20.31	20.31				
20	16QAM	50	0	20.30	20.24	20.20				
20	16QAM	50	24	20.20	20.18	20.25				
20	16QAM	50	50	20.33	20.25	20.38				
20	16QAM	100	0	20.29	20.18	20.24				
20	64QAM	1	0	20.32	20.21	20.27				
20	64QAM	1	49	20.22	20.29	20.32				
20	64QAM	1	99	20.29	20.29	20.32				
20	64QAM	50	0	20.33	20.20	20.28				
20	64QAM	50	24	20.41	20.30	20.40				
20	64QAM	50	50	20.29	20.31	20.32				
20	64QAM	100	0	20.22	20.24	20.19				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.38	20.29	20.17	21.6	0		
15	QPSK	1	37	20.15	20.09	20.15				
15	QPSK	1	74	20.18	20.28	20.21				
15	QPSK	36	0	20.25	20.26	20.26				
15	QPSK	36	20	20.09	20.10	20.11				
15	QPSK	36	39	20.11	20.22	20.26				
15	QPSK	75	0	20.15	20.19	20.20				
15	16QAM	1	0	20.15	20.19	20.10				
15	16QAM	1	37	20.31	20.25	20.28				
15	16QAM	1	74	20.26	20.22	20.18				
15	16QAM	36	0	20.20	20.17	20.07				
15	16QAM	36	20	20.15	20.11	20.18				
15	16QAM	36	39	20.24	20.18	20.30				
15	16QAM	75	0	20.13	20.13	20.17				
15	64QAM	1	0	20.18	20.15	20.17				
15	64QAM	1	37	20.40	20.14	20.28				
15	64QAM	1	74	20.20	20.16	20.28				
15	64QAM	36	0	20.23	20.12	20.18				
15	64QAM	36	20	20.38	20.16	20.28				
15	64QAM	36	39	20.15	20.26	20.22				
15	64QAM	75	0	20.22	20.24	20.18				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.35	20.36	20.22	21.6	0		
10	QPSK	1	25	20.16	20.18	20.09				
10	QPSK	1	49	20.17	20.27	20.15				
10	QPSK	25	0	20.22	20.22	20.16				
10	QPSK	25	12	20.08	20.20	20.17				
10	QPSK	25	25	20.17	20.19	20.25				
10	QPSK	50	0	20.19	20.18	20.23				
10	16QAM	1	0	20.23	20.18	20.27				
10	16QAM	1	25	20.27	20.17	20.22				
10	16QAM	1	49	20.30	20.21	20.23				
10	16QAM	25	0	20.19	20.12	20.09				
10	16QAM	25	12	20.12	20.07	20.20				
10	16QAM	25	25	20.28	20.16	20.28				
10	16QAM	50	0	20.23	20.08	20.12				
10	64QAM	1	0	20.26	20.13	20.17				
10	64QAM	1	25	20.40	20.20	20.23				
10	64QAM	1	49	20.16	20.16	20.25				
10	64QAM	25	0	20.28	20.08	20.18				
10	64QAM	25	12	20.26	20.25	20.37				
10	64QAM	25	25	20.25	20.17	20.18				
10	64QAM	50	0	20.26	20.26	20.05				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.28	20.32	20.24	21.6	0		
5	QPSK	1	12	20.24	20.10	20.17				
5	QPSK	1	24	20.16	20.17	20.19				
5	QPSK	12	0	20.21	20.25	20.26				
5	QPSK	12	7	20.06	20.17	20.16				
5	QPSK	12	13	20.14	20.14	20.25				
5	QPSK	25	0	20.26	20.28	20.20				
5	16QAM	1	0	20.14	20.18	20.11				
5	16QAM	1	12	20.31	20.21	20.27				
5	16QAM	1	24	20.22	20.18	20.23				
5	16QAM	12	0	20.18	20.12	20.15				
5	16QAM	12	7	20.13	20.10	20.16				
5	16QAM	12	13	20.23	20.15	20.30				
5	16QAM	25	0	20.21	20.04	20.13				
5	64QAM	1	0	20.23	20.17	20.19				
5	64QAM	1	12	20.35	20.16	20.25				
5	64QAM	1	24	20.25	20.21	20.19				
5	64QAM	12	0	20.25	20.10	20.14				
5	64QAM	12	7	20.28	20.19	20.29				
5	64QAM	12	13	20.22	20.17	20.21				
5	64QAM	25	0	20.20	20.22	20.16				
Channel										
Frequency (MHz)										
3	QPSK	1	0	20.29	20.27	20.23	21.6	0		
3	QPSK	1	8	20.21	20.17	20.17				
3	QPSK	1	14	20.20	20.23	20.20				
3	QPSK	8	0	20.22	20.24	20.18				
3	QPSK	8	4	20.26	20.15	20.18				
3	QPSK	8	7	20.12	20.17	20.25				
3	QPSK	15	0	20.21	20.29	20.15				
3	16QAM	1	0	20.17	20.13	20.13				
3	16QAM	1	8	20.32	20.25	20.29				
3	16QAM	1	14	20.26	20.22	20.17				
3	16QAM	8	0	20.17	20.16	20.11				
3	16QAM	8	4	20.29	20.03	20.11				
3	16QAM	8	7	20.22	20.13	20.27				
3	16QAM	15	0	20.16	20.04	20.16				
3	64QAM	1	0	20.20	20.17	20.18				
3	64QAM	1	8	20.37	20.17	20.24				
3	64QAM	1	14	20.22	20.14	20.24				
3	64QAM	8	0	20.19	20.07	20.17				
3	64QAM	8	4	20.32	20.25	20.36				
3	64QAM	8	7	20.23	20.18	20.24				
3	64QAM	15	0	20.20	20.18	20.11				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	20.30	20.33	20.17	21.6	0		
1.4	QPSK	1	3	20.18	20.18	20.11				
1.4	QPSK	1	5	20.22	20.21	20.17				
1.4	QPSK	3	0	20.23	20.24	20.18				
1.4	QPSK	3	3	20.13	20.12	20.11				
1.4	QPSK	3	3	20.13	20.14	20.16				
1.4	QPSK	6	0	20.23	20.25	20.18				
1.4	16QAM	1	0	20.12	20.20	20.13				
1.4	16QAM	1	3	20.21	20.19	20.23				
1.4	16QAM	1	5	20.23	20.18	20.24				
1.4	16QAM	3	0	20.25	20.17	20.07				
1.4	16QAM	3	1	20.15	20.15	20.14				
1.4	16QAM	3	3	20.23	20.21	20.35				
1.4	16QAM	6	0	20.17	20.09	20.19				
1.4	64QAM	1	0	20.20	20.15	20.14				
1.4	64QAM	1	3	20.36	20.28	20.21				
1.4	64QAM	1	5	20.21	20.17	20.26				
1.4	64QAM	3	0	20.27	20.13	20.15				
1.4	64QAM	3	1	20.18	20.18	20.25				
1.4	64QAM	3	3	20.14	20.23	20.25				
1.4	64QAM	6	0	20.18	20.21	20.07				

Band 4 Ant 1 DSI11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.22	20.32	20.11	21.5	0		
20	QPSK	1	49	20.09	19.98	20.04				
20	QPSK	1	99	20.08	20.08	20.12				
20	QPSK	50	0	20.13	20.18	20.13				
20	QPSK	50	24	20.01	20.05	19.98				
20	QPSK	50	50	20.02	20.15	20.05				
20	QPSK	100	0	20.11	20.13	20.10				
20	16QAM	1	0	20.12	20.01	20.04				
20	16QAM	1	49	20.17	20.07	20.13				
20	16QAM	1	99	20.13	20.06	20.07				
20	16QAM	50	0	20.15	20.01	20.02				
20	16QAM	50	24	19.99	20.03	20.06				
20	16QAM	50	50	20.08	20.03	20.13				
20	16QAM	100	0	20.13	19.96	20.07				
20	64QAM	1	0	20.08	19.97	20.13				
20	64QAM	1	49	20.06	20.15	20.07				
20	64QAM	1	99	20.08	20.12	20.16				
20	64QAM	50	0	20.09	20.03	20.15				
20	64QAM	50	24	20.16	20.17	20.26				
20	64QAM	50	50	20.13	20.12	20.26				
20	64QAM	100	0	20.11	20.13	20.19				
Channel										
Frequency (MHz)										
15	QPSK	1	0	20.08	20.28	19.96	21.5	0		
15	QPSK	1	37	20.05	19.90	20.01				
15	QPSK	1	74	19.97	20.00	20.04				
15	QPSK	36	0	20.03	20.06	20.00				
15	QPSK	36	20	19.91	19.93	19.90				
15	QPSK	36	39	19.97	20.10	19.93				
15	QPSK	75	0	19.98	20.04	20.05				
15	16QAM	1	0	19.98	19.94	19.99				
15	16QAM	1	37	20.09	19.99	20.09				
15	16QAM	1	74	20.02	19.91	19.93				
15	16QAM	36	0	20.04						



Band 25 Ant 1 DSI11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.36	20.42	20.29	21.6	0	
20	QPSK	1	49	20.26	20.16	20.28			
20	QPSK	1	99	20.21	20.28	20.31	21.6	0	
20	QPSK	50	0	20.29	20.35	20.30			
20	QPSK	50	24	20.24	20.16	20.22	21.6	0	
20	QPSK	50	50	20.29	20.19	20.23			
20	QPSK	100	0	20.28	20.31	20.25	21.6	0	
20	16QAM	1	0	20.28	20.25	20.17			
20	16QAM	1	49	20.31	20.33	20.36	21.6	0	
20	16QAM	1	99	20.38	20.29	20.33			
20	16QAM	50	0	20.25	20.31	20.25	21.6	0	
20	16QAM	50	24	20.19	20.17	20.27			
20	16QAM	50	50	20.34	20.26	20.33	21.6	0	
20	16QAM	100	0	20.29	20.19	20.27			
20	64QAM	1	0	20.22	20.23	20.20	21.6	0	
20	64QAM	1	49	20.37	20.29	20.37			
20	64QAM	1	99	20.28	20.26	20.38	21.6	0	
20	64QAM	50	0	20.30	20.23	20.30			
20	64QAM	50	24	20.20	20.35	20.36	21.6	0	
20	64QAM	50	50	20.23	20.35	20.31			
20	64QAM	100	0	20.28	20.24	20.24	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.22	20.28	20.28	21.6	0	
15	QPSK	1	37	20.19	20.04	20.16			
15	QPSK	1	74	20.11	20.22	20.28	21.6	0	
15	QPSK	36	0	20.24	20.23	20.23			
15	QPSK	36	20	20.11	20.01	20.13	21.6	0	
15	QPSK	36	39	20.26	20.05	20.14			
15	QPSK	75	0	20.17	20.25	20.14	21.6	0	
15	16QAM	1	0	20.15	20.10	20.04			
15	16QAM	1	37	20.30	20.26	20.22	21.6	0	
15	16QAM	1	74	20.31	20.20	20.29			
15	16QAM	36	0	20.20	20.27	20.19	21.6	0	
15	16QAM	36	20	20.15	20.09	20.22			
15	16QAM	36	39	20.21	20.18	20.19	21.6	0	
15	16QAM	75	0	20.28	20.15	20.14			
15	64QAM	1	0	20.12	20.17	20.16	21.6	0	
15	64QAM	1	37	20.29	20.18	20.25			
15	64QAM	1	74	20.20	20.18	20.30	21.6	0	
15	64QAM	36	0	20.25	20.10	20.17			
15	64QAM	36	20	20.28	20.25	20.32	21.6	0	
15	64QAM	36	39	20.13	20.30	20.16			
15	64QAM	75	0	20.21	20.13	20.11	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.33	20.32	20.38	21.6	0	
10	QPSK	1	25	20.13	20.05	20.15			
10	QPSK	1	49	20.12	20.18	20.19	21.6	0	
10	QPSK	25	0	20.22	20.21	20.17			
10	QPSK	25	12	20.13	20.06	20.14	21.6	0	
10	QPSK	25	25	20.18	20.11	20.14			
10	QPSK	50	0	20.15	20.21	20.12	21.6	0	
10	16QAM	1	0	20.18	20.22	20.07			
10	16QAM	1	25	20.36	20.28	20.22	21.6	0	
10	16QAM	1	49	20.25	20.22	20.21			
10	16QAM	25	0	20.22	20.25	20.14	21.6	0	
10	16QAM	25	12	20.05	20.04	20.20			
10	16QAM	25	25	20.28	20.18	20.20	21.6	0	
10	16QAM	50	0	20.22	20.16	20.16			
10	64QAM	1	0	20.10	20.20	20.08	21.6	0	
10	64QAM	1	25	20.29	20.23	20.33			
10	64QAM	1	49	20.24	20.15	20.30	21.6	0	
10	64QAM	25	0	20.19	20.16	20.17			
10	64QAM	25	12	20.32	20.29	20.24	21.6	0	
10	64QAM	25	25	20.15	20.23	20.25			
10	64QAM	50	0	20.21	20.17	20.12	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.33	20.36	20.37	21.6	0	
5	QPSK	1	12	20.20	20.12	20.14			
5	QPSK	1	24	20.15	20.21	20.27	21.6	0	
5	QPSK	12	0	20.14	20.22	20.16			
5	QPSK	12	7	20.20	20.03	20.13	21.6	0	
5	QPSK	12	7	20.24	20.12	20.09			
5	QPSK	25	0	20.15	20.22	20.14	21.6	0	
5	16QAM	1	0	20.17	20.18	20.10			
5	16QAM	1	12	20.30	20.20	20.27	21.6	0	
5	16QAM	1	24	20.32	20.22	20.20			
5	16QAM	12	0	20.20	20.22	20.13	21.6	0	
5	16QAM	12	7	20.10	20.05	20.13			
5	16QAM	12	13	20.20	20.22	20.18	21.6	0	
5	16QAM	25	0	20.25	20.13	20.18			
5	64QAM	1	0	20.16	20.10	20.09	21.6	0	
5	64QAM	1	12	20.27	20.16	20.29			
5	64QAM	1	24	20.24	20.15	20.23	21.6	0	
5	64QAM	12	0	20.19	20.10	20.18			
5	64QAM	12	7	20.27	20.28	20.27	21.6	0	
5	64QAM	12	13	20.13	20.31	20.21			
5	64QAM	25	0	20.18	20.18	20.14	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.30	20.30	20.30	21.6	0	
3	QPSK	1	8	20.13	20.06	20.20			
3	QPSK	1	14	20.09	20.21	20.21	21.6	0	
3	QPSK	8	0	20.19	20.30	20.17			
3	QPSK	8	4	20.16	20.06	20.17	21.6	0	
3	QPSK	8	7	20.20	20.05	20.17			
3	QPSK	15	0	20.16	20.25	20.19	21.6	0	
3	16QAM	1	0	20.16	20.12	20.02			
3	16QAM	1	8	20.33	20.28	20.23	21.6	0	
3	16QAM	1	14	20.32	20.23	20.24			
3	16QAM	8	0	20.13	20.27	20.20	21.6	0	
3	16QAM	8	4	20.06	20.12	20.23			
3	16QAM	8	7	20.21	20.14	20.21	21.6	0	
3	16QAM	15	0	20.18	20.05	20.13			
3	64QAM	1	0	20.12	20.19	20.17	21.6	0	
3	64QAM	1	8	20.22	20.20	20.25			
3	64QAM	1	14	20.15	20.13	20.32	21.6	0	
3	64QAM	8	0	20.27	20.12	20.18			
3	64QAM	8	4	20.36	20.25	20.28	21.6	0	
3	64QAM	8	7	20.08	20.27	20.18			
3	64QAM	15	0	20.20	20.12	20.15	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.27	20.31	20.36	21.6	0	
1.4	QPSK	1	3	20.14	20.09	20.17			
1.4	QPSK	1	5	20.10	20.24	20.16	21.6	0	
1.4	QPSK	3	0	20.15	20.25	20.27			
1.4	QPSK	3	1	20.13	20.11	20.15	21.6	0	
1.4	QPSK	3	3	20.24	20.13	20.15			
1.4	QPSK	6	0	20.19	20.26	20.17	21.6	0	
1.4	16QAM	1	0	20.17	20.14	20.04			
1.4	16QAM	1	3	20.35	20.21	20.29	21.6	0	
1.4	16QAM	1	5	20.24	20.18	20.23			
1.4	16QAM	3	0	20.10	20.17	20.14	21.6	0	
1.4	16QAM	3	1	20.13	20.03	20.17			
1.4	16QAM	3	3	20.26	20.21	20.30	21.6	0	
1.4	16QAM	6	0	20.15	20.06	20.19			
1.4	64QAM	1	0	20.11	20.15	20.16	21.6	0	
1.4	64QAM	1	3	20.32	20.22	20.27			
1.4	64QAM	1	5	20.21	20.22	20.30	21.6	0	
1.4	64QAM	3	0	20.20	20.13	20.23			
1.4	64QAM	3	1	20.38	20.29	20.28	21.6	0	
1.4	64QAM	3	3	20.09	20.29	20.25			
1.4	64QAM	6	0	20.21	20.16	20.19	Tune-up limit (dBm)	MPR (dB)	

Band 66 Ant 1 DSI11									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.22	20.34	20.25	21.5	0	
20	QPSK	1	49	20.14	20.02	20.17			
20	QPSK	1	99	20.09	20.19	20.19	21.5	0	
20	QPSK	50	0	20.15	20.27	20.23			
20	QPSK	50	24	20.20	20.05	20.11	21.5	0	
20	QPSK	50	50	20.25	20.15	20.18			
20	QPSK	100	0	20.13	20.21				



Band 38 Ant 1 DSI11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.16	20.21	20.11	21.1	0		
20	QPSK	1	49	19.97	19.97	20.04				
20	QPSK	1	99	20.10	20.07	20.14	21.1	0		
20	QPSK	50	0	20.15	20.16	20.10				
20	QPSK	50	24	19.98	19.98	20.02	21.1	0		
20	QPSK	50	50	20.05	20.03	20.02				
20	QPSK	100	0	20.10	20.13	20.11	21.1	0		
20	16QAM	1	0	20.02	20.00	19.99				
20	16QAM	1	49	20.15	20.16	20.20	21.1	0		
20	16QAM	1	99	20.09	20.12	20.12				
20	16QAM	50	0	20.02	20.03	20.06	21.1	0		
20	16QAM	50	24	20.03	20.06	20.06				
20	16QAM	50	50	20.11	20.09	20.12	21.1	0		
20	16QAM	100	0	20.04	20.05	20.13				
20	64QAM	1	0	20.02	20.07	20.08	21.1	0		
20	64QAM	1	49	20.13	20.16	20.03				
20	64QAM	1	99	20.11	20.01	20.08	21.1	0		
20	64QAM	50	0	20.04	20.00	20.15				
20	64QAM	50	24	20.12	20.11	20.19	21.1	0		
20	64QAM	50	50	20.10	20.06	20.18				
20	64QAM	100	0	20.06	20.10	19.99				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.03	20.12	20.05	21.1	0		
15	QPSK	1	37	19.88	19.87	19.98				
15	QPSK	1	74	20.00	19.98	20.10	21.1	0		
15	QPSK	36	0	20.07	20.08	20.07				
15	QPSK	36	20	19.85	19.84	19.98	21.1	0		
15	QPSK	36	39	19.95	19.97	19.90				
15	QPSK	75	0	20.02	20.00	19.99	21.1	0		
15	16QAM	1	0	19.99	19.94	19.86				
15	16QAM	1	37	20.05	20.06	20.10	21.1	0		
15	16QAM	1	74	19.97	20.00	20.04				
15	16QAM	36	0	19.88	19.91	20.01	21.1	0		
15	16QAM	36	20	19.88	20.00	19.95				
15	16QAM	36	39	20.00	20.02	20.02	21.1	0		
15	16QAM	75	0	19.98	19.98	19.98				
15	64QAM	1	0	19.98	19.97	19.97	21.1	0		
15	64QAM	1	37	20.03	20.02	20.11				
15	64QAM	1	74	20.02	19.94	20.01	21.1	0		
15	64QAM	36	0	20.01	19.92	20.06				
15	64QAM	36	20	20.19	20.06	20.13	21.1	0		
15	64QAM	36	39	20.06	20.02	20.15				
15	64QAM	75	0	20.06	19.98	19.93				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.12	20.07	20.01	21.1	0		
10	QPSK	1	25	19.83	19.92	19.98				
10	QPSK	1	49	20.02	20.03	19.99	21.1	0		
10	QPSK	25	0	20.04	20.05	19.96				
10	QPSK	25	12	19.92	19.88	19.98	21.1	0		
10	QPSK	25	25	19.95	19.95	19.94				
10	QPSK	50	0	20.04	20.02	20.02	21.1	0		
10	16QAM	1	0	19.96	19.87	19.95				
10	16QAM	1	25	20.07	20.05	20.12	21.1	0		
10	16QAM	1	49	20.01	20.08	20.02				
10	16QAM	25	0	19.91	19.99	19.92	21.1	0		
10	16QAM	25	12	19.90	19.92	20.00				
10	16QAM	25	25	20.01	19.96	20.05	21.1	0		
10	16QAM	50	0	19.91	19.96	20.10				
10	64QAM	1	0	19.98	20.03	20.01	21.1	0		
10	64QAM	1	25	19.99	20.03	20.18				
10	64QAM	1	49	19.97	19.89	19.98	21.1	0		
10	64QAM	25	0	19.91	19.89	20.11				
10	64QAM	25	12	20.10	20.01	20.07	21.1	0		
10	64QAM	25	25	20.01	19.93	20.07				
10	64QAM	50	0	20.04	20.00	19.88				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.01	20.17	20.03	21.1	0		
5	QPSK	1	12	19.87	19.84	19.91				
5	QPSK	1	24	20.06	19.99	20.08	21.1	0		
5	QPSK	12	0	20.05	20.06	20.03				
5	QPSK	12	7	19.89	19.84	19.88	21.1	0		
5	QPSK	12	13	19.97	19.92	19.88				
5	QPSK	25	0	20.06	20.02	20.02	21.1	0		
5	16QAM	1	0	19.92	19.89	19.95				
5	16QAM	1	12	20.09	20.13	20.08	21.1	0		
5	16QAM	1	24	19.96	20.08	20.07				
5	16QAM	12	0	19.92	19.96	19.95	21.1	0		
5	16QAM	12	7	19.90	19.93	19.93				
5	16QAM	12	13	20.07	20.05	20.08	21.1	0		
5	16QAM	25	0	19.95	19.98	20.00				
5	64QAM	1	0	19.96	20.03	20.02	21.1	0		
5	64QAM	1	12	20.03	20.12	20.17				
5	64QAM	1	24	20.00	19.90	19.99	21.1	0		
5	64QAM	12	0	19.89	19.94	20.06				
5	64QAM	12	7	20.13	20.01	20.12	21.1	0		
5	64QAM	12	13	20.04	19.97	20.13				

Band 41 Ant 1 DSI11										
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	20.09	20.02	20.16	20.08	20.09	21.1	0
20	QPSK	1	49	20.12	20.03	20.10	20.11	20.00		
20	QPSK	1	99	20.09	19.98	19.98	20.04	19.98	21.1	0
20	QPSK	50	0	20.03	20.11	20.13	20.03	20.10		
20	QPSK	50	24	19.95	20.01	19.97	20.04	20.08	21.1	0
20	QPSK	50	50	19.98	20.10	20.02	20.02	20.02		
20	QPSK	100	0	20.06	20.01	20.09	19.93	20.07	21.1	0
20	16QAM	1	0	19.91	19.80	20.00	19.92	19.92		
20	16QAM	1	49	20.14	20.04	20.14	19.99	19.99	21.1	0
20	16QAM	1	99	20.10	20.04	20.12	20.08	20.09		
20	16QAM	50	0	20.11	20.02	20.00	19.98	19.99	21.1	0
20	16QAM	50	24	19.94	19.99	19.96	20.02	19.97		
20	16QAM	50	50	20.04	20.12	20.15	20.08	20.05	21.1	0
20	16QAM	100	0	19.98	20.02	19.99	20.04	20.01		
20	64QAM	1	0	20.07	20.02	20.07	20.01	20.01	21.1	0
20	64QAM	1	49	20.14	20.12	20.15	20.11	20.13		
20	64QAM	1	99	20.05	19.90	20.12	20.02	19.93	21.1	0
20	64QAM	50	0	19.89	19.98	19.93	20.04	19.96		
20	64QAM	50	24	20.08	20.10	20.03	20.12	20.04	21.1	0
20	64QAM	50	50	20.04	19.98	19.96	20.08	20.13		
20	64QAM	100	0	19.89	19.88	19.94	19.97	19.84		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.98	19.87	20.10	20.03	20.04	21.10	0
15	QPSK	1	37	20.08	19.97	20.05	20.06	19.95		
15	QPSK	1	74	20.01	19.88	19.93	19.97	19.91	21.1	0
15	QPSK	36	0	19.94	20.06	20.07	19.88	19.98		
15	QPSK	36	20	19.83	19.90	19.84	19.99	19.95	21.1	0
15	QPSK	36	39	19.90	20.04	19.91	19.87	19.89		
15	QPSK	75	0	19.91	19.93	19.99	19.87	19.94	21.1	0
15	16QAM	1	0	19.81	19.76	19.90	19.79	19.82		
15	16QAM	1	37	20.01	19.93	20.05	19.90	19.94	21.1	0
15	16QAM	1	74	19.99	19.99	20.07	19.98	19.94		
15	16QAM	3								



GSM850 Ant 2 DS11

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	128	169	251		128	169	251	
Frequency (MHz)	324.2	335.4	348.3		324.2	335.4	348.3	
GSM 1 Tx slot	28.10	28.00	28.32	29.20	19.10	19.00	19.32	20.20
GPRS 1 Tx slot	28.06	27.94	28.23	29.20	19.06	18.94	19.23	20.20
GPRS 2 Tx slots	24.86	24.87	25.05	26.20	18.86	18.87	19.05	20.20
GPRS 3 Tx slots	23.18	23.17	23.39	24.40	18.92	18.91	19.13	20.14
GPRS 4 Tx slots	22.25	22.54	22.24	23.20	19.25	19.54	19.24	20.20
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DS11

Band	WCDMA V			Tune-up Limit (dBm)	
	4192	4162	4233		
TX Channel	4192	4162	4233		
Rx Channel	4357	4407	4458		
Frequency (MHz)	826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.60	21.73	21.88	22.70
3GPP Rel 99	RMC 12.2Kbps	21.70	21.90	21.76	22.70
3GPP Rel 6	HSDPA Subtest-1	18.70	18.69	18.52	19.70
3GPP Rel 6	HSDPA Subtest-2	18.70	18.83	18.60	19.70
3GPP Rel 6	HSDPA Subtest-3	20.20	20.36	20.15	21.20
3GPP Rel 6	HSDPA Subtest-4	20.20	20.29	20.21	21.20
3GPP Rel 8	DC-HSDPA Subtest-1	18.70	18.78	18.71	19.70
3GPP Rel 8	DC-HSDPA Subtest-2	18.70	19.05	18.99	19.70
3GPP Rel 8	DC-HSDPA Subtest-3	20.20	20.41	20.14	21.20
3GPP Rel 8	DC-HSDPA Subtest-4	20.20	20.27	20.33	21.20
3GPP Rel 6	HSUPA Subtest-1	18.70	18.86	18.62	19.70
3GPP Rel 6	HSUPA Subtest-2	16.70	16.83	16.63	17.70
3GPP Rel 6	HSUPA Subtest-3	17.70	17.98	17.63	18.70
3GPP Rel 6	HSUPA Subtest-4	16.70	16.81	16.52	17.70
3GPP Rel 6	HSUPA Subtest-5	18.70	18.88	18.83	19.70



Band 5 Ant 2 DSI11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.70	21.94	21.82	22.7	0
10	QPSK	1	25	21.53	21.66	21.61		
10	QPSK	1	49	21.67	21.74	21.62		
10	QPSK	25	0	21.64	21.87	21.68	22.7	0
10	QPSK	25	12	21.55	21.62	21.57		
10	QPSK	25	25	21.70	21.81	21.69		
10	QPSK	50	0	21.63	21.77	21.70	22.7	0
10	16QAM	1	0	21.54	21.69	21.66		
10	16QAM	1	25	21.61	21.83	21.65		
10	16QAM	1	49	21.76	21.72	21.68	22.7	0
10	16QAM	25	0	21.62	21.68	21.55		
10	16QAM	25	12	21.59	21.73	21.60		
10	16QAM	25	25	21.60	21.78	21.67	22.7	0
10	16QAM	50	0	21.58	21.72	21.59		
10	64QAM	1	0	21.51	21.73	21.61		
10	64QAM	1	25	21.75	21.87	21.82	22.7	0
10	64QAM	1	49	21.55	21.67	21.67		
10	64QAM	25	0	21.25	21.35	21.22		
10	64QAM	25	12	21.31	21.37	21.30	22.2	0.5
10	64QAM	25	25	21.29	21.43	21.33		
10	64QAM	50	0	21.32	21.38	21.35		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.61	21.89	21.75	22.7	0
5	QPSK	1	12	21.47	21.56	21.51		
5	QPSK	1	24	21.56	21.64	21.52		
5	QPSK	12	0	21.52	21.74	21.60	22.7	0
5	QPSK	12	7	21.48	21.57	21.46		
5	QPSK	12	13	21.61	21.67	21.64		
5	QPSK	25	0	21.53	21.71	21.65	22.7	0
5	16QAM	1	0	21.48	21.60	21.55		
5	16QAM	1	12	21.48	21.77	21.59		
5	16QAM	1	24	21.69	21.65	21.60	22.7	0
5	16QAM	12	0	21.48	21.58	21.45		
5	16QAM	12	7	21.50	21.68	21.48		
5	16QAM	12	13	21.47	21.74	21.55	22.7	0
5	16QAM	25	0	21.54	21.69	21.44		
5	64QAM	1	0	21.47	21.64	21.57		
5	64QAM	1	12	21.63	21.73	21.79	22.7	0
5	64QAM	1	24	21.48	21.60	21.64		
5	64QAM	12	0	21.12	21.27	21.15		
5	64QAM	12	7	21.19	21.25	21.24	22.2	0.5
5	64QAM	12	13	21.17	21.38	21.20		
5	64QAM	25	0	21.22	21.29	21.30		
Channel				20416	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				835.5	836.5	847.5		
3	QPSK	1	0	21.60	21.89	21.69	22.7	0
3	QPSK	1	8	21.39	21.53	21.49		
3	QPSK	1	14	21.62	21.66	21.56		
3	QPSK	8	0	21.60	21.78	21.61	22.7	0
3	QPSK	8	4	21.44	21.56	21.50		
3	QPSK	8	7	21.58	21.70	21.60		
3	QPSK	15	0	21.56	21.71	21.57	22.7	0
3	16QAM	1	0	21.48	21.64	21.59		
3	16QAM	1	8	21.49	21.78	21.54		
3	16QAM	1	14	21.61	21.63	21.54	22.7	0
3	16QAM	8	0	21.58	21.57	21.43		
3	16QAM	8	4	21.51	21.62	21.46		
3	16QAM	8	7	21.52	21.71	21.56	22.7	0
3	16QAM	15	0	21.43	21.68	21.44		
3	64QAM	1	0	21.47	21.58	21.55		
3	64QAM	1	8	21.71	21.78	21.68	22.7	0
3	64QAM	1	14	21.48	21.58	21.63		
3	64QAM	8	0	21.20	21.27	21.14		
3	64QAM	8	4	21.21	21.29	21.23	22.2	0.5
3	64QAM	8	7	21.15	21.30	21.21		
3	64QAM	15	0	21.26	21.28	21.30		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.58	21.83	21.71	22.7	0
1.4	QPSK	1	3	21.44	21.53	21.58		
1.4	QPSK	1	5	21.55	21.64	21.54		
1.4	QPSK	3	0	21.50	21.82	21.58	22.7	0
1.4	QPSK	3	1	21.42	21.53	21.49		
1.4	QPSK	3	3	21.65	21.69	21.59		
1.4	QPSK	6	0	21.60	21.71	21.58	22.7	0
1.4	16QAM	1	0	21.45	21.55	21.63		
1.4	16QAM	1	3	21.50	21.77	21.55		
1.4	16QAM	1	5	21.71	21.65	21.55	22.7	0
1.4	16QAM	3	0	21.47	21.65	21.52		
1.4	16QAM	3	1	21.55	21.59	21.57		
1.4	16QAM	3	3	21.54	21.72	21.52	22.7	0
1.4	16QAM	6	0	21.55	21.67	21.56		
1.4	64QAM	1	0	21.45	21.69	21.66		
1.4	64QAM	1	3	21.65	21.77	21.71	22.7	0
1.4	64QAM	1	5	21.50	21.54	21.55		
1.4	64QAM	3	0	21.61	21.60	21.57		
1.4	64QAM	3	1	21.53	21.56	21.41	22.7	0
1.4	64QAM	3	3	21.51	21.68	21.50		
1.4	64QAM	6	0	21.17	21.27	21.25		

Band 12 Ant 2 DSI11

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.91	21.95	21.82	22.7	0
10	QPSK	1	25	21.65	21.66	21.70		
10	QPSK	1	49	21.73	21.81	21.64		
10	QPSK	25	0	21.86	21.90	21.76	22.7	0
10	QPSK	25	12	21.65	21.69	21.65		
10	QPSK	25	25	21.72	21.85	21.73		
10	QPSK	50	0	21.78	21.86	21.69	22.7	0
10	16QAM	1	0	21.70	21.72	21.66		
10	16QAM	1	25	21.89	21.84	21.81		
10	16QAM	1	49	21.91	21.87	21.88	22.7	0
10	16QAM	25	0	21.75	21.71	21.65		
10	16QAM	25	12	21.74	21.87	21.61		
10	16QAM	25	25	21.86	21.80	21.72	22.7	0
10	16QAM	50	0	21.73	21.73	21.54		
10	64QAM	1	0	21.72	21.80	21.69		
10	64QAM	1	25	21.80	21.73	21.82	22.7	0
10	64QAM	1	49	21.77	21.77	21.61		
10	64QAM	25	0	21.41	21.48	21.43		
10	64QAM	25	12	21.15	21.26	21.19	22.2	0.5
10	64QAM	25	25	21.23	21.36	21.26		
10	64QAM	50	0	21.28	21.33	21.29		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.78	21.88	21.70	22.7	0
5	QPSK	1	12	21.57	21.57	21.60		
5	QPSK	1	24	21.61	21.76	21.57		
5	QPSK	12	0	21.74	21.79	21.71	22.7	0
5	QPSK	12	7	21.60	21.58	21.61		
5	QPSK	12	13	21.64	21.71	21.61		
5	QPSK	25	0	21.65	21.72	21.55	22.7	0
5	16QAM	1	0	21.60	21.66	21.52		
5	16QAM	1	12	21.74	21.72	21.67		
5	16QAM	1	24	21.87	21.77	21.82	22.7	0
5	16QAM	12	0	21.68	21.62	21.57		
5	16QAM	12	7	21.67	21.84	21.53		
5	16QAM	12	13	21.80	21.68	21.64	22.7	0
5	16QAM	25	0	21.61	21.69	21.49		
5	64QAM	1	0	21.66	21.72	21.59		
5	64QAM	1	12	21.68	21.66	21.74	22.7	0
5	64QAM	1	24	21.63	21.63	21.56		
5	64QAM	12	0	21.30	21.43	21.33		
5	64QAM	12	7	21.04	21.15	21.07	22.2	0.5
5	64QAM	12	13	21.08	21.28	21.19		
5	64QAM	25	0	21.22	21.28	21.19		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.86	21.91	21.67	22.7	0
3	QPSK	1	8	21.59	21.57	21.64		
3	QPSK	1	14	21.64	21.67	21.59		
3	QPSK	8	0	21.73	21.80	21.63	22.7	0
3	QPSK	8	4	21.54	21.65	21.57		
3	QPSK	8	7	21.59	21.78	21.68		
3	QPSK	15	0	21.71	21.77	21.60	22.7	0
3	16QAM	1	0	21.55	21.61	21.55		
3	16QAM	1	8	21.76	21.75	21.68		
3	16QAM	1	14	21.84	21.79	21.78	22.7	0
3	16QAM	8	0	21.70	21.67	21.55		
3	16QAM	8	4	21.68	21.81	21.56		
3	16QAM	8	7	21.75				



Band 17 Ant 2 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.81	21.96	21.82	22.7	0	
10	QPSK	1	25	21.77	21.75	21.66			
10	QPSK	1	49	21.74	21.84	21.68			
10	QPSK	25	0	21.76	21.91	21.75			
10	QPSK	25	12	21.66	21.67	21.54			
10	QPSK	25	25	21.70	21.77	21.73			
10	QPSK	50	0	21.80	21.84	21.79			
10	16QAM	1	0	21.77	21.71	21.60			
10	16QAM	1	25	21.90	21.84	21.74			
10	16QAM	1	49	21.87	21.79	21.72			
10	16QAM	25	0	21.81	21.68	21.72			
10	16QAM	25	12	21.76	21.74	21.59			
10	16QAM	25	25	21.79	21.82	21.74			
10	16QAM	50	0	21.74	21.71	21.65			
10	64QAM	1	0	21.77	21.70	21.70			
10	64QAM	1	25	21.80	21.85	21.71			
10	64QAM	1	49	21.85	21.79	21.68			
10	64QAM	25	0	21.40	21.45	21.38			
10	64QAM	25	12	21.33	21.37	21.23			
10	64QAM	25	25	21.31	21.38	21.33			
10	64QAM	50	0	21.26	21.39	21.29			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.86	21.86	21.85	22.7	0	
5	QPSK	1	12	21.73	21.67	21.52			
5	QPSK	1	24	21.66	21.76	21.63			
5	QPSK	12	0	21.68	21.83	21.69			
5	QPSK	12	7	21.59	21.55	21.46			
5	QPSK	12	13	21.57	21.62	21.63			
5	QPSK	25	0	21.71	21.81	21.71			
5	16QAM	1	0	21.63	21.62	21.52			
5	16QAM	1	12	21.80	21.70	21.61			
5	16QAM	1	24	21.75	21.76	21.67			
5	16QAM	12	0	21.72	21.55	21.58			
5	16QAM	12	7	21.71	21.69	21.49			
5	16QAM	12	13	21.69	21.76	21.64			
5	16QAM	25	0	21.63	21.58	21.52			
5	64QAM	1	0	21.69	21.61	21.62			
5	64QAM	1	12	21.66	21.79	21.68			
5	64QAM	1	24	21.82	21.76	21.54			
5	64QAM	12	0	21.37	21.37	21.24			
5	64QAM	12	7	21.22	21.33	21.17			
5	64QAM	12	13	21.22	21.25	21.19			
5	64QAM	25	0	21.13	21.29	21.25			

Band 26 Ant 2 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.89	21.92	21.82	22.7	0	
15	QPSK	1	37	21.71	21.64	21.60			
15	QPSK	1	74	21.65	21.77	21.61			
15	QPSK	36	0	21.65	21.83	21.61			
15	QPSK	36	20	21.52	21.61	21.40			
15	QPSK	36	39	21.66	21.74	21.62			
15	QPSK	75	0	21.74	21.75	21.66			
15	16QAM	1	0	21.73	21.62	21.52			
15	16QAM	1	37	21.76	21.78	21.69			
15	16QAM	1	74	21.77	21.65	21.64			
15	16QAM	36	0	21.68	21.59	21.58			
15	16QAM	36	20	21.67	21.61	21.51			
15	16QAM	36	39	21.64	21.78	21.68			
15	16QAM	75	0	21.64	21.59	21.62			
15	64QAM	1	0	21.72	21.57	21.64			
15	64QAM	1	37	21.74	21.80	21.60			
15	64QAM	1	74	21.72	21.72	21.54			
15	64QAM	36	0	21.20	21.25	21.16			
15	64QAM	36	20	21.12	21.24	21.13			
15	64QAM	36	39	21.15	21.22	21.16			
15	64QAM	75	0	21.11	21.14	21.04			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.87	21.83	21.78	22.7	0	
10	QPSK	1	25	21.64	21.57	21.48			
10	QPSK	1	49	21.60	21.66	21.46			
10	QPSK	25	0	21.62	21.71	21.49			
10	QPSK	25	12	21.39	21.54	21.29			
10	QPSK	25	25	21.60	21.62	21.52			
10	QPSK	50	0	21.70	21.71	21.60			
10	16QAM	1	0	21.69	21.49	21.39			
10	16QAM	1	25	21.68	21.64	21.64			
10	16QAM	1	49	21.69	21.55	21.50			
10	16QAM	25	0	21.59	21.52	21.50			
10	16QAM	25	12	21.58	21.47	21.37			
10	16QAM	25	25	21.50	21.71	21.65			
10	16QAM	50	0	21.54	21.56	21.53			
10	64QAM	1	0	21.60	21.50	21.56			
10	64QAM	1	25	21.68	21.74	21.54			
10	64QAM	1	49	21.68	21.63	21.44			
10	64QAM	25	0	21.15	21.19	21.04			
10	64QAM	25	12	20.98	21.19	20.99			
10	64QAM	25	25	21.00	21.10	21.02			
10	64QAM	50	0	21.03	21.03	20.91			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.80	21.86	21.78	22.7	0	
5	QPSK	1	12	21.66	21.60	21.53			
5	QPSK	1	24	21.54	21.69	21.53			
5	QPSK	12	0	21.60	21.70	21.47			
5	QPSK	12	7	21.47	21.47	21.29			
5	QPSK	12	13	21.60	21.65	21.56			
5	QPSK	25	0	21.63	21.70	21.54			
5	16QAM	1	0	21.65	21.50	21.45			
5	16QAM	1	12	21.73	21.64	21.58			
5	16QAM	1	24	21.65	21.51	21.53			
5	16QAM	12	0	21.64	21.55	21.44			
5	16QAM	12	7	21.60	21.52	21.46			
5	16QAM	12	13	21.60	21.74	21.62			
5	16QAM	25	0	21.59	21.54	21.58			
5	64QAM	1	0	21.66	21.47	21.50			
5	64QAM	1	12	21.64	21.77	21.46			
5	64QAM	1	24	21.62	21.81	21.46			
5	64QAM	12	0	21.15	21.13	21.03			
5	64QAM	12	7	21.08	21.11	21.08			
5	64QAM	12	13	21.05	21.17	21.10			
5	64QAM	25	0	20.98	21.05	20.91			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.85	21.81	21.68	22.7	0	
3	QPSK	1	8	21.59	21.49	21.49			
3	QPSK	1	14	21.57	21.66	21.47			
3	QPSK	8	0	21.52	21.75	21.57			
3	QPSK	8	4	21.47	21.52	21.32			
3	QPSK	8	7	21.59	21.71	21.53			
3	QPSK	15	0	21.69	21.62	21.52			
3	16QAM	1	0	21.69	21.50	21.42			
3	16QAM	1	8	21.68	21.63	21.60			
3	16QAM	1	14	21.65	21.56	21.52			
3	16QAM	8	0	21.54	21.49	21.46			
3	16QAM	8	4	21.55	21.47	21.36			
3	16QAM	8	7	21.53	21.73	21.55			
3	16QAM	15	0	21.53	21.48	21.47			
3	64QAM	1	0	21.64	21.49	21.54			
3	64QAM	1	8	21.70	21.73	21.53			
3	64QAM	1	14	21.67	21.66	21.46			
3	64QAM	8	0	21.15	21.13	21.03			
3	64QAM	8	4	21.05	21.18	21.02			
3	64QAM	8	7	21.07	21.16	21.09			
3	64QAM	15	0	21.07	21.08	20.93			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.88	21.78	21.74	22.7	0	
1.4	QPSK	1	3	21.57	21.57	21.50			
1.4	QPSK	1	5	21.62	21.62	21.54			
1.4	QPSK	3	0	21.57	21.77	21.55			
1.4	QPSK	3	1	21.44	21.49	21.31			
1.4	QPSK	3	3	21.62	21.66	21.47			
1.4	QPSK	6	0	21.66	21.71	21.55			
1.4	16QAM	1	0	21.60	21.57	21.38			
1.4	16QAM	1	3	21.73	21.66	21.65			
1.4	16QAM	1	5	21.68	21.57	21.51			
1.4	16QAM	3	0	21.57	21.49	21.51			
1.4	16QAM	3	1	21.62	21.48	21.40			
1.4	16QAM	3	3	21.49	21.66	21.62			
1.4	16QAM	6	0	21.60	21.53	21.58			
1.4	64QAM	1	0	21.60	21.48	21.51			
1.4	64QAM	1	3	21.65	21.67	21.49			
1.4	64QAM	1	5	21.66	21.69	21.46			
1.4	64QAM	3	0	21.66	21.65	21.61			
1.4	64QAM	3	1	21.67	21.53	21.56			
1.4	64QAM	3	3	21.64	21.49	21.50			
1.4	64QAM	6	0	21.05	21.09	20.92			

Band 7 ENDC Ant 5 DSI11									
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	17.03	17.34	17.07	18.7	0	
20	QPSK	1	49	17.21	17.12	17.17			
20	QPSK	1	99	17.10	17.05	17.08			
20	QPSK	50	0	17.16	17.32	17.24	18.7	0	
20	QPSK	50	24	17.00	17.11	17.17			
20	QPSK	50	50	17.19	17.12	17.01			
20	QPSK	100	0	17.18	17.19	17.00	18.7	0	
20	16QAM	1	0	17.05	17.31	17.16			
20	16QAM	1	49	17.15	17.16	17.16			
20	16QAM	1	99	17.30	17.15	17.23	18.7	0	
20	16QAM	50	0	17.02	17.28	17.12			
20	16QAM	50	24	16.90	17.14	16.91			
20	16QAM	50	50	17.15	17.17	16.96	18.7	0	
20	16QAM	100	0	17.23	17.14	17.22			
20	64QAM	1	0	16.96	17.04	17.18			
20	64QAM	1	49	17.26	16.99	17.25	18.7	0	
20	64QAM	1	99	17.24	17.15	17.18			
20	64QAM	50	0	17.10	17.28	17.29			
20	64QAM	50	24	17.12	16.89	17.16	18.7	0	
20	64QAM	50	50	17.06	17.04	17.28			
20	64QAM	100	0	17.05	17.14	16.93			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.88	17.24	16.93	18.7	0	
15	QPSK	1	37	17.08	17.03	17.08			
15	QPSK	1	74	17.03	16.91	17.02			
15	QPSK	36	0	17.07	17.27	17.15	18.7	0	
15	QPSK	36	20	16.93	17.01	17.05			
15	QPSK	36	39	17.09	16.97	16.87			
15	QPSK	75	0	17.05	17.12	16.91	18.7	0	
15	16QAM	1	0	16.94	17.21	17.10			
15	16QAM	1	37	17.01	17.08	17.02			
15	16QAM	1	74	17.25	17.07	17.11	18.7	0	
15	16QAM	36	0	16.89	17.18	16.97			
15	16QAM	36	20	16.82	17.02	16.81			
15	16QAM	36	39	17.06	17.11	16.86	18.7	0	
15	16QAM	75	0	17.16	17.07	17.16			
15	64QAM	1	0	16.89	16.96	17.12			
15	64QAM	1	37	17.21	16.88	17.14	18.7	0	
15	64QAM	1	74	17.17	17.06	17.12			
15	64QAM	36	0	16.97	17.13	17.22			
15	64QAM	36	20	17.04	16.75	17.09	18.7	0	
15	64QAM	36	39	16.91	16.92	17.19			
15	64QAM	75	0	16.91	17.05	16.85			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.91	17.23	17.00	18.7	0	
10	QPSK	1	25	17.12	17.03	17.09			
10	QPSK	1	49	17.04	16.98	16.99			
10	QPSK	25	0	17.01	17.25	17.13	18.7	0	
10	QPSK	25	12	16.90	17.04	17.09			
10	QPSK	25	25	17.09	17.04	16.86			
10	QPSK	50	0	17.12	17.09	16.93	18.7	0	
10	16QAM	1	0	16.97	17.18	17.04			
10	16QAM	1	25	17.02	17.05	17.06			
10	16QAM	1	49	17.20	17.09	17.16	18.7	0	
10	16QAM	25	0	16.93	17.21	17.03			
10	16QAM	25	12	16.82	17.00	16.77			
10	16QAM	25	25	17.03	17.03	16.82	18.7	0	
10	16QAM	50	0	17.14	17.00	17.08			
10	64QAM	1	0	16.91	16.93	17.09			
10	64QAM	1	25	17.19	16.90	17.15	18.7	0	
10	64QAM	1	49	17.18	17.00	17.12			
10	64QAM	25	0	16.97	17.15	17.21			
10	64QAM	25	12	17.02	16.80	17.08	18.7	0	
10	64QAM	25	25	16.96	16.98	17.18			
10	64QAM	50	0	16.93	17.00	16.84			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.93	17.25	16.97	18.7	0	
5	QPSK	1	12	17.13	17.01	17.09			
5	QPSK	1	24	17.01	17.00	16.98			
5	QPSK	12	0	17.05	17.23	17.16	18.7	0	
5	QPSK	12	7	16.85	16.96	17.08			
5	QPSK	12	13	17.06	17.06	16.96			
5	QPSK	25	0	17.12	17.05	16.86	18.7	0	
5	16QAM	1	0	16.96	17.20	17.08			
5	16QAM	1	12	17.01	17.08	17.10			
5	16QAM	1	24	17.20	17.03	17.10	18.7	0	
5	16QAM	12	0	16.94	17.15	17.01			
5	16QAM	12	7	16.76	17.05	16.81			
5	16QAM	12	13	17.08	17.11	16.91	18.7	0	
5	16QAM	25	0	17.09	17.05	17.11			
5	64QAM	1	0	16.82	16.90	17.07			
5	64QAM	1	12	17.12	16.84	17.12	18.7	0	
5	64QAM	1	24	17.18	17.04	17.05			
5	64QAM	12	0	17.02	17.20	17.22			
5	64QAM	12	7	16.98	16.78	17.03	18.7	0	
5	64QAM	12	13	16.96	16.89	17.19			
5	64QAM	25	0	16.93	17.06	16.86			



GSM1900 Ant 6 DSI11

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.78	23.80	23.78	25.30	14.78	14.60	14.78	16.30
GPRS 1 Tx slots	23.74	23.54	23.85	25.30	14.74	14.54	14.65	16.30
GPRS 2 Tx slots	20.75	20.58	20.62	22.30	14.75	14.58	14.62	16.30
GPRS 3 Tx slots	18.70	18.61	18.65	20.50	14.44	14.35	14.39	16.24
GPRS 4 Tx slots	17.38	17.50	17.45	19.30	14.38	14.50	14.45	16.30
EDGE 1 Tx slot	23.80	23.51	23.57	25.30	14.80	14.51	14.57	16.30
EDGE 2 Tx slot	20.53	20.43	20.37	22.30	14.53	14.43	14.37	16.30
EDGE 3 Tx slots	18.70	18.53	18.70	20.50	14.44	14.27	14.44	16.24
EDGE 4 Tx slots	17.59	17.37	17.34	19.30	14.59	14.37	14.34	16.30

WCDMA II Ant 6 DSI11

WCDMA IV Ant 6 DSI11

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1637	1638	1758	
Frequency (MHz)	1852.4	1880	1927.6		1712.4	1722.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	18.42	18.51	18.34	19.60	20.22	20.15	20.10	21.30
3GPP Rel 99 RMC 12.2Kbps	18.51	18.60	18.41	19.60	20.21	20.31	20.27	21.30
3GPP Rel 6 HSDPA Subtest-1	17.66	17.75	17.49	18.80	19.23	19.26	19.04	20.30
3GPP Rel 6 HSDPA Subtest-2	17.59	17.72	17.38	18.80	19.21	19.24	19.28	20.30
3GPP Rel 6 HSDPA Subtest-3	17.00	17.10	16.81	18.10	18.70	18.89	18.62	19.80
3GPP Rel 6 HSDPA Subtest-4	16.76	16.94	17.01	18.10	18.91	19.08	19.00	19.80
3GPP Rel 8 DC-HSDPA Subtest-1	17.63	17.89	17.66	18.80	19.14	19.28	19.22	20.30
3GPP Rel 8 DC-HSDPA Subtest-2	17.44	17.38	17.40	18.80	19.34	19.32	19.14	20.30
3GPP Rel 8 DC-HSDPA Subtest-3	16.74	17.06	16.72	18.10	18.81	18.74	18.90	19.80
3GPP Rel 8 DC-HSDPA Subtest-4	16.84	16.71	16.63	18.10	18.87	18.70	18.51	19.80
3GPP Rel 6 HSUPA Subtest-1	17.64	17.78	17.63	18.80	19.36	19.31	19.32	20.30
3GPP Rel 6 HSUPA Subtest-2	14.43	14.45	14.38	15.60	17.32	17.36	17.33	18.30
3GPP Rel 6 HSUPA Subtest-3	15.37	15.56	15.53	16.60	18.22	18.31	18.17	19.30
3GPP Rel 6 HSUPA Subtest-4	14.41	14.49	14.48	15.60	17.18	17.28	17.04	18.30
3GPP Rel 6 HSUPA Subtest-5	17.46	17.78	17.57	18.80	19.21	19.25	19.45	20.30



Band 2 Ant 6 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.50	18.50	18.50			
20	QPSK	1	49	18.26	18.26	18.26	19.9	0	
20	QPSK	1	99	18.37	18.44	18.29			
20	QPSK	50	0	18.41	18.49	18.40			
20	QPSK	50	24	18.28	18.26	18.13	19.9	0	
20	QPSK	50	50	18.28	18.39	18.40			
20	QPSK	100	0	18.35	18.41	18.40			
20	16QAM	1	0	18.20	18.31	18.29			
20	16QAM	1	49	18.27	18.40	18.35	19.9	0	
20	16QAM	1	99	18.35	18.44	18.27			
20	16QAM	50	0	18.31	18.37	18.18			
20	16QAM	50	24	18.26	18.41	18.24	19.9	0	
20	16QAM	50	50	18.34	18.40	18.33			
20	16QAM	100	0	18.17	18.40	18.27			
20	64QAM	1	0	18.16	18.28	18.19			
20	64QAM	1	49	18.40	18.49	18.40	19.9	0	
20	64QAM	1	99	18.28	18.37	18.37			
20	64QAM	50	0	18.16	18.31	18.27			
20	64QAM	50	24	18.30	18.37	18.38	19.9	0	
20	64QAM	50	50	18.21	18.36	18.31			
20	64QAM	100	0	18.34	18.33	18.28			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.28	18.44	18.28			
15	QPSK	1	37	18.21	18.21	18.20	19.9	0	
15	QPSK	1	74	18.32	18.31	18.21			
15	QPSK	36	0	18.35	18.35	18.33			
15	QPSK	36	20	18.21	18.17	18.01	19.9	0	
15	QPSK	36	39	18.22	18.34	18.37			
15	QPSK	75	0	18.26	18.30	18.31			
15	16QAM	1	0	18.12	18.18	18.24			
15	16QAM	1	37	18.20	18.41	18.23	19.9	0	
15	16QAM	1	74	18.25	18.40	18.18			
15	16QAM	36	0	18.18	18.28	18.12			
15	16QAM	36	20	18.30	18.33	18.19	19.9	0	
15	16QAM	36	39	18.28	18.35	18.20			
15	16QAM	75	0	18.13	18.30	18.18			
15	64QAM	1	0	18.09	18.22	18.05			
15	64QAM	1	37	18.29	18.39	18.25	19.9	0	
15	64QAM	1	74	18.15	18.32	18.28			
15	64QAM	36	0	18.18	18.25	18.23			
15	64QAM	36	20	18.22	18.24	18.20	19.9	0	
15	64QAM	36	39	18.07	18.29	18.25			
15	64QAM	75	0	18.19	18.22	18.17			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.28	18.49	18.27			
10	QPSK	1	25	18.20	18.22	18.24	19.9	0	
10	QPSK	1	49	18.25	18.33	18.18			
10	QPSK	25	0	18.30	18.36	18.29			
10	QPSK	25	12	18.24	18.20	18.04	19.9	0	
10	QPSK	25	25	18.21	18.25	18.36			
10	QPSK	50	0	18.30	18.33	18.33			
10	16QAM	1	0	18.05	18.25	18.26			
10	16QAM	1	25	18.20	18.39	18.26	19.9	0	
10	16QAM	1	49	18.29	18.31	18.18			
10	16QAM	25	0	18.16	18.27	18.06			
10	16QAM	25	12	18.18	18.33	18.20	19.9	0	
10	16QAM	25	25	18.22	18.28	18.29			
10	16QAM	50	0	18.13	18.36	18.20			
10	64QAM	1	0	18.03	18.18	18.05			
10	64QAM	1	25	18.29	18.44	18.36	19.9	0	
10	64QAM	1	49	18.21	18.26	18.30			
10	64QAM	25	0	18.13	18.18	18.23			
10	64QAM	25	12	18.26	18.24	18.25	19.9	0	
10	64QAM	25	25	18.14	18.25	18.17			
10	64QAM	50	0	18.25	18.30	18.22			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.25	18.43	18.31			
5	QPSK	1	12	18.22	18.15	18.25	19.9	0	
5	QPSK	1	24	18.28	18.33	18.22			
5	QPSK	12	0	18.26	18.44	18.31			
5	QPSK	12	7	18.19	18.19	18.02	19.9	0	
5	QPSK	12	13	18.18	18.28	18.28			
5	QPSK	25	0	18.29	18.30	18.29			
5	16QAM	1	0	18.09	18.16	18.24			
5	16QAM	1	12	18.15	18.36	18.27	19.9	0	
5	16QAM	1	24	18.30	18.36	18.23			
5	16QAM	12	0	18.08	18.27	18.14			
5	16QAM	12	7	18.22	18.30	18.19	19.9	0	
5	16QAM	12	13	18.28	18.30	18.22			
5	16QAM	25	0	18.09	18.36	18.12			
5	64QAM	1	0	18.06	18.17	18.12			
5	64QAM	1	12	18.31	18.42	18.34	19.9	0	
5	64QAM	1	24	18.20	18.26	18.26			
5	64QAM	12	0	18.12	18.15	18.24			
5	64QAM	12	7	18.17	18.32	18.24	19.9	0	
5	64QAM	12	13	18.09	18.30	18.23			
5	64QAM	25	0	18.27	18.20	18.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.26	18.38	18.23			
3	QPSK	1	8	18.16	18.21	18.21	19.9	0	
3	QPSK	1	14	18.29	18.31	18.24			
3	QPSK	8	0	18.37	18.37	18.25			
3	QPSK	8	4	18.22	18.14	18.03	19.9	0	
3	QPSK	8	7	18.33	18.29	18.29			
3	QPSK	15	0	18.22	18.38	18.25			
3	16QAM	1	0	18.07	18.25	18.18			
3	16QAM	1	8	18.14	18.42	18.23	19.9	0	
3	16QAM	1	14	18.28	18.29	18.14			
3	16QAM	8	0	18.24	18.27	18.05			
3	16QAM	8	4	18.17	18.32	18.16	19.9	0	
3	16QAM	8	7	18.30	18.36	18.19			
3	16QAM	15	0	18.06	18.27	18.14			
3	64QAM	1	0	18.04	18.20	18.08			
3	64QAM	1	8	18.36	18.34	18.25	19.9	0	
3	64QAM	1	14	18.14	18.28	18.30			
3	64QAM	8	0	18.14	18.22	18.27			
3	64QAM	8	4	18.19	18.22	18.29	19.9	0	
3	64QAM	8	7	18.08	18.30	18.19			
3	64QAM	15	0	18.24	18.29	18.16			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.25	18.46	18.34			
1.4	QPSK	1	3	18.16	18.16	18.19	19.9	0	
1.4	QPSK	1	5	18.29	18.39	18.19			
1.4	QPSK	3	0	18.37	18.34	18.26			
1.4	QPSK	3	1	18.17	18.18	18.08			
1.4	QPSK	3	3	18.13	18.33	18.26	19.9	0	
1.4	QPSK	6	0	18.28	18.30	18.28			
1.4	16QAM	1	0	18.17	18.16	18.15			
1.4	16QAM	1	3	18.16	18.24	18.22	19.9	0	
1.4	16QAM	1	5	18.28	18.36	18.17			
1.4	16QAM	3	0	18.28	18.34	18.11			
1.4	16QAM	3	1	18.18	18.33	18.16			
1.4	16QAM	3	3	18.20	18.29	18.28	19.9	0	
1.4	16QAM	6	0	18.09	18.31	18.19			
1.4	64QAM	1	0	18.08	18.13	18.04			
1.4	64QAM	1	3	18.36	18.39	18.30	19.9	0	
1.4	64QAM	1	5	18.16	18.33	18.27			
1.4	64QAM	3	0	18.12	18.27	18.26			
1.4	64QAM	3	1	18.19	18.32	18.29			
1.4	64QAM	3	3	18.12	18.30	18.22	19.9	0	
1.4	64QAM	6	0	18.21	18.24	18.20			

Band 4 Ant 6 DSI11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.70	17.75	17.75			
20	QPSK	1	49	19.88	19.91	19.86	21.3	0	
20	QPSK	1	99	19.98	19.82	19.94			
20	QPSK	50	0	20.01	20.03	20.02			
20	QPSK	50	24	19.91	19.88	20.01	21.3	0	
20	QPSK</								



Band 25 Ant 6 DSI11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				26140	26340	26590		
20	QPSK	1	0	18.57	18.75	18.85		
20	QPSK	1	49	18.63	18.50	18.51	19.9	0
20	QPSK	1	99	18.52	18.54	18.46		
20	QPSK	50	0	18.57	18.64	18.54		
20	QPSK	50	24	18.43	18.57	18.38	19.9	0
20	QPSK	50	50	18.54	18.55	18.58		
20	QPSK	100	0	18.58	18.61	18.60		
20	16QAM	1	0	18.45	18.46	18.45		
20	16QAM	1	49	18.53	18.70	18.58	19.9	0
20	16QAM	1	99	18.52	18.63	18.40		
20	16QAM	50	0	18.48	18.57	18.41		
20	16QAM	50	24	18.50	18.59	18.40	19.9	0
20	16QAM	50	50	18.54	18.65	18.49		
20	16QAM	100	0	18.36	18.60	18.55		
20	64QAM	1	0	18.41	18.44	18.35		
20	64QAM	1	49	18.59	18.70	18.66	19.9	0
20	64QAM	1	99	18.47	18.56	18.56		
20	64QAM	50	0	18.36	18.61	18.55		
20	64QAM	50	24	18.51	18.65	18.52	19.9	0
20	64QAM	50	50	18.38	18.51	18.49		
20	64QAM	100	0	18.48	18.60	18.52		
Channel								
Frequency (MHz)				26115	26340	26615		
15	QPSK	1	0	18.49	18.70	18.58		
15	QPSK	1	37	18.53	18.40	18.38	19.9	0
15	QPSK	1	74	18.46	18.50	18.35		
15	QPSK	36	0	18.47	18.50	18.42		
15	QPSK	36	20	18.34	18.46	18.26	19.9	0
15	QPSK	36	39	18.44	18.50	18.49		
15	QPSK	75	0	18.52	18.51	18.55		
15	16QAM	1	0	18.32	18.36	18.40		
15	16QAM	1	37	18.39	18.56	18.50	19.9	0
15	16QAM	1	74	18.38	18.57	18.31		
15	16QAM	36	0	18.36	18.45	18.32		
15	16QAM	36	20	18.44	18.47	18.31	19.9	0
15	16QAM	36	39	18.50	18.54	18.36		
15	16QAM	75	0	18.29	18.57	18.45		
15	64QAM	1	0	18.36	18.30	18.28		
15	64QAM	1	37	18.45	18.55	18.62	19.9	0
15	64QAM	1	74	18.40	18.46	18.47		
15	64QAM	36	0	18.30	18.56	18.43		
15	64QAM	36	20	18.42	18.62	18.37	19.9	0
15	64QAM	36	39	18.27	18.40	18.38		
15	64QAM	75	0	18.35	18.49	18.43		
Channel								
Frequency (MHz)				26090	26340	26640		
10	QPSK	1	0	18.53	18.64	18.61		
10	QPSK	1	25	18.48	18.40	18.40	19.9	0
10	QPSK	1	49	18.41	18.49	18.31		
10	QPSK	25	0	18.50	18.53	18.39		
10	QPSK	25	12	18.29	18.50	18.28	19.9	0
10	QPSK	25	25	18.50	18.45	18.51		
10	QPSK	50	0	18.49	18.47	18.35		
10	16QAM	1	0	18.33	18.34	18.34		
10	16QAM	1	25	18.39	18.63	18.51	19.9	0
10	16QAM	1	49	18.44	18.56	18.27		
10	16QAM	25	0	18.37	18.49	18.31		
10	16QAM	25	12	18.45	18.55	18.28	19.9	0
10	16QAM	25	25	18.48	18.55	18.40		
10	16QAM	50	0	18.26	18.54	18.45		
10	64QAM	1	0	18.29	18.30	18.25		
10	64QAM	1	25	18.51	18.54	18.62	19.9	0
10	64QAM	1	49	18.44	18.46	18.47		
10	64QAM	25	0	18.31	18.50	18.48		
10	64QAM	25	12	18.46	18.62	18.39	19.9	0
10	64QAM	25	25	18.27	18.40	18.42		
10	64QAM	50	0	18.45	18.52	18.49		
Channel								
Frequency (MHz)				26065	26340	26665		
5	QPSK	1	0	18.44	18.68	18.54		
5	QPSK	1	12	18.51	18.46	18.43	19.9	0
5	QPSK	1	24	18.42	18.39	18.34		
5	QPSK	12	0	18.46	18.60	18.45		
5	QPSK	12	7	18.29	18.53	18.32	19.9	0
5	QPSK	12	13	18.49	18.45	18.55		
5	QPSK	25	0	18.54	18.58	18.52		
5	16QAM	1	0	18.39	18.42	18.34		
5	16QAM	1	12	18.39	18.64	18.53	19.9	0
5	16QAM	1	24	18.41	18.57	18.30		
5	16QAM	12	0	18.38	18.50	18.27		
5	16QAM	12	7	18.36	18.47	18.33	19.9	0
5	16QAM	12	13	18.47	18.56	18.40		
5	16QAM	25	0	18.25	18.52	18.49		
5	64QAM	1	0	18.28	18.38	18.25		
5	64QAM	1	12	18.54	18.60	18.51	19.9	0
5	64QAM	1	24	18.33	18.45	18.53		
5	64QAM	12	0	18.29	18.48	18.48	19.9	0
5	64QAM	12	7	18.41	18.61	18.37		
5	64QAM	12	13	18.24	18.42	18.45		
5	64QAM	25	0	18.42	18.53	18.38		
Channel								
Frequency (MHz)				26055	26340	26675		
3	QPSK	1	0	18.45	18.63	18.57		
3	QPSK	1	8	18.57	18.40	18.41	19.9	0
3	QPSK	1	14	18.44	18.43	18.33		
3	QPSK	8	0	18.45	18.59	18.41		
3	QPSK	8	4	18.35	18.52	18.23	19.9	0
3	QPSK	8	7	18.48	18.51	18.40		
3	QPSK	15	0	18.44	18.46	18.48		
3	16QAM	1	0	18.32	18.42	18.39		
3	16QAM	1	8	18.48	18.58	18.51	19.9	0
3	16QAM	1	14	18.48	18.49	18.28		
3	16QAM	8	0	18.38	18.45	18.34		
3	16QAM	8	4	18.35	18.46	18.27	19.9	0
3	16QAM	8	7	18.40	18.62	18.34		
3	16QAM	15	0	18.23	18.56	18.44		
3	64QAM	1	0	18.34	18.37	18.31		
3	64QAM	1	8	18.50	18.59	18.61	19.9	0
3	64QAM	1	14	18.44	18.43	18.49		
3	64QAM	8	0	18.21	18.56	18.50		
3	64QAM	8	4	18.47	18.52	18.41	19.9	0
3	64QAM	8	7	18.31	18.43	18.44		
3	64QAM	15	0	18.40	18.54	18.39		
Channel								
Frequency (MHz)				26037	26340	26693		
1.4	QPSK	1	0	18.51	18.70	18.50		
1.4	QPSK	1	3	18.58	18.40	18.42	19.9	0
1.4	QPSK	1	5	18.40	18.50	18.34		
1.4	QPSK	3	0	18.53	18.50	18.50		
1.4	QPSK	3	1	18.34	18.51	18.34	19.9	0
1.4	QPSK	3	3	18.44	18.50	18.46		
1.4	QPSK	6	0	18.44	18.58	18.47	19.9	0
1.4	16QAM	1	0	18.36	18.32	18.34		
1.4	16QAM	1	3	18.44	18.63	18.46	19.9	0
1.4	16QAM	1	5	18.44	18.58	18.30		
1.4	16QAM	3	0	18.41	18.45	18.36		
1.4	16QAM	3	1	18.39	18.55	18.31	19.9	0
1.4	16QAM	3	3	18.48	18.55	18.44		
1.4	16QAM	6	0	18.28	18.47	18.49	19.9	0
1.4	64QAM	1	0	18.31	18.40	18.26		
1.4	64QAM	1	3	18.54	18.58	18.54	19.9	0
1.4	64QAM	1	5	18.34	18.49	18.49		
1.4	64QAM	3	0	18.30	18.53	18.42	19.9	0
1.4	64QAM	3	1	18.41	18.61	18.43		
1.4	64QAM	3	3	18.30	18.46	18.43		
1.4	64QAM	6	0	18.42	18.54	18.44	19.9	0

Band 66 Ant 6 DSI11

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				132072	132322	132572		
20	QPSK	1	0	19.20	19.33	19.38		
20	QPSK	1	49	19.78	19.91	19.79	21.3	0
20	QPSK	1	99	19.95	19.94	19.88		
20	QPSK	50	0	20.00	20.05	19.96		
20	QPSK	50	24	19.84	19.98	19.78	21.3	0
20	QPSK	50	50	19.87	20.00	20.01		
20	QPSK	100	0	19.92	20.01	19.94		
20	16QAM	1	0	19.88	19.92	19.91		
20	16QAM	1	49	19.89	20.04	19.91	21.3	0



Band 38 Ant 6 DSI11																		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)										
Channel				37850	38000	38150												
Frequency (MHz)				2580	2595	2610												
20	QPSK	1	0	16.74	17.00	16.83	17.9	0										
20	QPSK	1	49	16.73	16.84	16.82												
20	QPSK	1	99	16.73	16.74	16.70												
20	QPSK	50	0	16.80	16.90	16.76												
20	QPSK	50	24	16.60	16.68	16.55			17.9	0								
20	QPSK	50	50	16.66	16.84	16.77												
20	QPSK	100	0	16.74	16.84	16.82												
20	16QAM	1	0	16.68	16.71	16.70					17.9	0						
20	16QAM	1	49	16.74	16.86	16.76												
20	16QAM	1	99	16.72	16.84	16.69												
20	16QAM	50	0	16.71	16.79	16.62												
20	16QAM	50	24	16.73	16.73	16.60	17.9	0										
20	16QAM	50	50	16.67	16.79	16.75												
20	16QAM	100	0	16.61	16.80	16.75												
20	64QAM	1	0	16.66	16.76	16.67			17.9	0								
20	64QAM	1	49	16.87	16.93	16.88												
20	64QAM	1	99	16.63	16.80	16.74												
20	64QAM	50	0	16.62	16.73	16.76					17.9	0						
20	64QAM	50	24	16.66	16.80	16.72												
20	64QAM	50	50	16.60	16.72	16.67												
20	64QAM	100	0	16.68	16.81	16.72												
Channel				37825	38000	38175												
Frequency (MHz)				2577.5	2595	2612.5												
15	QPSK	1	0	16.66	16.88	16.80	17.9	0										
15	QPSK	1	37	16.62	16.71	16.73												
15	QPSK	1	74	16.70	16.71	16.61												
15	QPSK	36	0	16.72	16.84	16.63			17.9	0								
15	QPSK	36	20	16.46	16.63	16.49												
15	QPSK	36	39	16.61	16.73	16.64												
15	QPSK	75	0	16.61	16.78	16.76					17.9	0						
15	16QAM	1	0	16.59	16.59	16.58												
15	16QAM	1	37	16.64	16.79	16.70							17.9	0				
15	16QAM	1	74	16.64	16.73	16.63												
15	16QAM	36	0	16.56	16.67	16.55	17.9	0										
15	16QAM	36	20	16.69	16.63	16.54												
15	16QAM	36	39	16.57	16.73	16.69												
15	16QAM	75	0	16.55	16.74	16.71			17.9	0								
15	64QAM	1	0	16.57	16.62	16.60												
15	64QAM	1	37	16.79	16.81	16.75									17.9	0		
15	64QAM	1	74	16.54	16.73	16.60												
15	64QAM	36	0	16.52	16.65	16.66					17.9	0						
15	64QAM	36	20	16.63	16.75	16.60												
15	64QAM	36	39	16.47	16.62	16.58												
15	64QAM	75	0	16.59	16.77	16.60												
Channel				37800	38000	38200												
Frequency (MHz)				2575	2595	2615												
10	QPSK	1	0	16.69	16.90	16.70	17.9	0										
10	QPSK	1	25	16.66	16.77	16.73												
10	QPSK	1	49	16.64	16.64	16.67			17.9	0								
10	QPSK	25	0	16.75	16.79	16.69												
10	QPSK	25	12	16.53	16.57	16.50					17.9	0						
10	QPSK	25	25	16.57	16.76	16.74												
10	QPSK	50	0	16.69	16.80	16.70							17.9	0				
10	16QAM	1	0	16.56	16.60	16.61												
10	16QAM	1	25	16.67	16.75	16.63									17.9	0		
10	16QAM	1	49	16.59	16.72	16.54												
10	16QAM	25	0	16.66	16.62	16.55	17.9	0										
10	16QAM	25	12	16.70	16.62	16.55												
10	16QAM	25	25	16.52	16.64	16.66			17.9	0								
10	16QAM	50	0	16.55	16.68	16.65												
10	64QAM	1	0	16.57	16.70	16.61					17.9	0						
10	64QAM	1	25	16.81	16.78	16.77												
10	64QAM	1	49	16.55	16.68	16.69							17.9	0				
10	64QAM	25	0	16.56	16.66	16.65												
10	64QAM	25	12	16.56	16.73	16.60									17.9	0		
10	64QAM	25	25	16.52	16.68	16.59												
10	64QAM	50	0	16.57	16.68	16.57												
Channel				37775	38000	38225												
Frequency (MHz)				2572.5	2595	2617.5												
5	QPSK	1	0	16.64	16.97	16.73	17.9	0										
5	QPSK	1	12	16.62	16.71	16.68												
5	QPSK	1	24	16.65	16.68	16.62			17.9	0								
5	QPSK	12	0	16.67	16.84	16.63												
5	QPSK	12	7	16.50	16.57	16.44					17.9	0						
5	QPSK	12	13	16.59	16.80	16.68												
5	QPSK	25	0	16.60	16.74	16.69							17.9	0				
5	16QAM	1	0	16.60	16.61	16.65												
5	16QAM	1	12	16.65	16.81	16.62									17.9	0		
5	16QAM	1	24	16.59	16.70	16.64												
5	16QAM	12	0	16.59	16.66	16.55	17.9	0										
5	16QAM	12	7	16.65	16.69	16.50												
5	16QAM	12	13	16.55	16.66	16.69			17.9	0								
5	16QAM	25	0	16.47	16.73	16.62												
5	64QAM	1	0	16.52	16.72	16.56					17.9	0						
5	64QAM	1	12	16.75	16.84	16.82												
5	64QAM	1	24	16.56	16.71	16.66							17.9	0				
5	64QAM	12	0	16.56	16.62	16.64												
5	64QAM	12	7	16.55	16.75	16.63									17.9	0		
5	64QAM	12	13	16.49	16.66	16.63												

Band 41 Ant 6 DSI11																		
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	16.88	16.71	16.96	16.69	16.77	17.9	0								
20	QPSK	1	49	16.73	16.77	16.76	16.74	16.67										
20	QPSK	1	99	16.82	16.76	16.80	16.81	16.89										
20	QPSK	50	0	16.81	16.72	16.87	16.65	16.64			17.9	0						
20	QPSK	50	24	16.77	16.78	16.75	16.72	16.80										
20	QPSK	50	50	16.80	16.81	16.79	16.69	16.72										
20	QPSK	100	0	16.76	16.75	16.78	16.70	16.69					17.9	0				
20	16QAM	1	0	16.63	16.62	16.66	16.59	16.55										
20	16QAM	1	49	16.74	16.70	16.81	16.66	16.70										
20	16QAM	1	99	16.76	16.60	16.69	16.60	16.56							17.9	0		
20	16QAM	50	0	16.71	16.53	16.76	16.53	16.54										
20	16QAM	50	24	16.60	16.53	16.61	16.53	16.53										
20	16QAM	50	50	16.64	16.69	16.70	16.72	16.62	17.9	0								
20	16QAM	100	0	16.74	16.69	16.71	16.64	16.71										
20	64QAM	1	0	16.64	16.53	16.72	16.55	16.57			17.9	0						
20	64QAM	1	49	16.86	16.74	16.82	16.82	16.76										
20	64QAM	1	99	16.75	16.62	16.74	16.69	16.71					17.9	0				
20	64QAM	50	0	16.60	16.64	16.59	16.66	16.64										
20	64QAM	50	24	16.75	16.62	16.74	16.62	16.67									17.9	0
20	64QAM	50	50	16.59	16.53	16.67	16.54	16.60										
20	64QAM	100	0	16.68	16.69	16.72	16.61	16.58										
Channel				39725	40173	40620	41068	41515										
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5										
15	QPSK	1	0	16.78	16.66	16.93	16.63	16.65	17.9	0								
15	QPSK	1	37	16.66	16.69	16.71	16.65	16.58										
15	QPSK	1	74	16.78	16.67	16.74	16.75	16.84			17.9	0						
15	QPSK	36	0	16.74	16.59	16.80	16.59	16.54										
15	QPSK	36	20	16.66	16.72	16.64	16.65	16.77					17.9	0				
15	QPSK	36	39	16.66	16.76	16.67	16.61	16.59										
15	QPSK	75	0	16.67	16.67	16.73	16.60	16.66							17.9	0		
15	16QAM	1	0	16.53	16.47	16.63	16.50	16.48										
15	16QAM	1	37	16.61	16.59	16.66	16.53	16.66									17.9	0
15	16QAM	1	74	16.69	16.52	16.60	16.48	16.42										
15	16QAM	36	0	16.62	16.48	16.73	16.38	16.47	17.9	0								
15																		



Reduced Power Level for DSI 13

GSM850 Ant 0 DSI13

GSM850 TX Channel	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	848.8	31.30	20.94	20.88	21.02	22.30
GSM 1 Tx slot	29.94	29.88	30.02	31.30	20.94	20.88	21.02	22.30
GPRS 1 Tx slot	29.86	29.81	29.93	31.30	20.86	20.81	20.93	22.30
GPRS 2 Tx slots	26.58	26.66	26.71	28.30	20.58	20.66	20.71	22.30
GPRS 3 Tx slots	24.98	25.08	25.16	28.50	20.72	20.82	20.90	22.24
GPRS 4 Tx slots	24.10	24.11	24.07	25.30	21.10	21.11	21.07	22.30
EDGE 1 Tx slot	26.50	26.59	26.67	28.00	17.50	17.59	17.67	19.00
EDGE 2 Tx slots	23.42	23.48	23.54	25.00	17.42	17.48	17.54	19.00
EDGE 3 Tx slots	21.71	21.82	21.87	23.20	17.45	17.56	17.61	18.94
EDGE 4 Tx slots	20.51	20.59	20.71	22.00	17.51	17.59	17.71	19.00

WCDMA V Ant 0 DSI13

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.61	21.78	21.66	22.30
3GPP Rel 99 RMC 12.2Kbps	21.72	21.81	21.76	22.30
3GPP Rel 6 HSDPA Subtest-1	17.08	18.16	18.03	19.30
3GPP Rel 6 HSDPA Subtest-2	18.06	18.18	18.10	19.30
3GPP Rel 6 HSDPA Subtest-3	19.64	19.61	19.55	20.80
3GPP Rel 6 HSDPA Subtest-4	19.46	19.71	19.54	20.80
3GPP Rel 8 DC-HSDPA Subtest-1	17.98	18.32	18.05	19.30
3GPP Rel 8 DC-HSDPA Subtest-2	18.03	18.20	18.14	19.30
3GPP Rel 8 DC-HSDPA Subtest-3	19.48	19.68	19.65	20.80
3GPP Rel 8 DC-HSDPA Subtest-4	19.55	19.65	19.70	20.80
3GPP Rel 6 HSUPA Subtest-1	18.04	18.09	18.05	19.30
3GPP Rel 6 HSUPA Subtest-2	15.91	16.22	16.13	17.30
3GPP Rel 6 HSUPA Subtest-3	16.95	17.27	17.18	18.30
3GPP Rel 6 HSUPA Subtest-4	15.98	16.07	16.04	17.30
3GPP Rel 6 HSUPA Subtest-5	18.01	18.10	18.19	19.30



Band 5 Ant 0 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.14	21.34	21.21	22.3	0
10	QPSK	1	25	21.20	21.33	21.29		
10	QPSK	1	49	21.28	21.31	21.27		
10	QPSK	25	0	21.27	21.32	21.29	22.3	0
10	QPSK	25	12	21.18	21.29	21.20		
10	QPSK	25	25	21.10	21.24	21.15		
10	QPSK	50	0	21.12	21.21	21.15	22.3	0
10	16QAM	1	0	21.21	21.27	21.18		
10	16QAM	1	25	21.13	21.21	21.06		
10	16QAM	1	49	21.16	21.28	21.15	22.3	0
10	16QAM	25	0	21.24	21.28	21.17		
10	16QAM	25	12	21.22	21.31	21.19		
10	16QAM	25	25	21.22	21.26	21.14	22.3	0
10	16QAM	50	0	21.16	21.23	21.16		
10	64QAM	1	0	21.21	21.27	21.17		
10	64QAM	1	25	21.21	21.33	21.20	22.3	0
10	64QAM	1	49	21.25	21.28	21.23		
10	64QAM	25	0	21.15	21.29	21.17		
10	64QAM	25	12	21.17	21.22	21.11	22.3	0
10	64QAM	25	25	21.22	21.27	21.16		
10	64QAM	50	0	21.16	21.31	21.19		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.05	21.28	21.15	22.3	0
5	QPSK	1	12	21.15	21.27	21.15		
5	QPSK	1	24	21.25	21.16	21.19		
5	QPSK	12	0	21.12	21.19	21.21	22.3	0
5	QPSK	12	7	21.14	21.22	21.17		
5	QPSK	12	13	21.04	21.20	21.04		
5	QPSK	25	0	21.08	21.15	21.11	22.3	0
5	16QAM	1	0	21.14	21.20	21.11		
5	16QAM	1	12	21.09	21.16	20.98		
5	16QAM	1	24	21.12	21.12	21.00	22.3	0
5	16QAM	12	0	21.11	21.18	21.08		
5	16QAM	12	7	21.13	21.23	21.07		
5	16QAM	12	13	21.18	21.23	21.06	22.3	0
5	16QAM	25	0	21.09	21.15	21.09		
5	64QAM	1	0	21.10	21.14	21.06		
5	64QAM	1	12	21.10	21.22	21.14	22.3	0
5	64QAM	1	24	21.14	21.18	21.14		
5	64QAM	12	0	21.09	21.21	21.10		
5	64QAM	12	7	21.08	21.16	21.08	22.3	0
5	64QAM	12	13	21.10	21.19	21.11		
5	64QAM	25	0	21.07	21.19	21.13		
Channel				20416	20525	20636		
Frequency (MHz)				835.5	836.5	847.5		
3	QPSK	1	0	21.03	21.25	21.10	22.3	0
3	QPSK	1	8	21.12	21.22	21.25		
3	QPSK	1	14	21.24	21.17	21.22		
3	QPSK	8	0	21.15	21.18	21.20	22.3	0
3	QPSK	8	4	21.07	21.19	21.14		
3	QPSK	8	7	21.04	21.09	21.01		
3	QPSK	15	0	21.07	21.08	21.11	22.3	0
3	16QAM	1	0	21.17	21.19	21.09		
3	16QAM	1	8	21.01	21.07	20.97		
3	16QAM	1	14	21.09	21.20	21.06	22.3	0
3	16QAM	8	0	21.21	21.16	21.08		
3	16QAM	8	4	21.14	21.23	21.10		
3	16QAM	8	7	21.12	21.16	21.08	22.3	0
3	16QAM	15	0	21.05	21.09	21.12		
3	64QAM	1	0	21.09	21.18	21.07		
3	64QAM	1	8	21.11	21.22	21.11	22.3	0
3	64QAM	1	14	21.19	21.18	21.15		
3	64QAM	8	0	21.10	21.24	21.10		
3	64QAM	8	4	21.10	21.11	21.00	22.3	0
3	64QAM	8	7	21.17	21.12	21.03		
3	64QAM	15	0	21.05	21.25	21.07		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.06	21.29	21.15	22.3	0
1.4	QPSK	1	3	21.11	21.22	21.17		
1.4	QPSK	1	5	21.15	21.20	21.19		
1.4	QPSK	3	0	21.20	21.24	21.17	22.3	0
1.4	QPSK	3	1	21.14	21.24	21.08		
1.4	QPSK	3	3	21.00	21.12	21.05		
1.4	QPSK	6	0	21.01	21.07	21.02	22.3	0
1.4	16QAM	1	0	21.15	21.17	21.07		
1.4	16QAM	1	3	21.08	21.11	20.97		
1.4	16QAM	1	5	21.06	21.19	21.05	22.3	0
1.4	16QAM	3	0	21.13	21.18	21.10		
1.4	16QAM	3	1	21.12	21.27	21.06		
1.4	16QAM	3	3	21.11	21.16	21.08	22.3	0
1.4	16QAM	6	0	21.12	21.10	21.03		
1.4	64QAM	1	0	21.07	21.13	21.08		
1.4	64QAM	1	3	21.11	21.19	21.12	22.3	0
1.4	64QAM	1	5	21.21	21.15	21.11		
1.4	64QAM	3	0	21.06	21.19	21.07		
1.4	64QAM	3	1	21.10	21.18	20.96	22.3	0
1.4	64QAM	3	3	21.09	21.17	21.03		
1.4	64QAM	6	0	21.04	21.24	21.08		

Band 12 Ant 0 DSI13

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.28	21.46	21.32	22.3	0
10	QPSK	1	25	21.38	21.45	21.41		
10	QPSK	1	49	21.25	21.34	21.25		
10	QPSK	25	0	21.34	21.43	21.40	22.3	0
10	QPSK	25	12	21.22	21.37	21.27		
10	QPSK	25	25	21.22	21.33	21.21		
10	QPSK	50	0	21.19	21.33	21.20	22.3	0
10	16QAM	1	0	21.28	21.35	21.30		
10	16QAM	1	25	21.37	21.43	21.31		
10	16QAM	1	49	21.33	21.43	21.35	22.3	0
10	16QAM	25	0	21.32	21.44	21.33		
10	16QAM	25	12	21.26	21.34	21.20		
10	16QAM	25	25	21.21	21.33	21.25	22.3	0
10	16QAM	50	0	21.33	21.42	21.30		
10	64QAM	1	0	21.31	21.36	21.23		
10	64QAM	1	25	21.39	21.43	21.35	22.3	0
10	64QAM	1	49	21.29	21.35	21.27		
10	64QAM	25	0	21.25	21.36	21.24		
10	64QAM	25	12	21.29	21.42	21.28	22.3	0
10	64QAM	25	25	21.23	21.33	21.29		
10	64QAM	50	0	21.31	21.38	21.34		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.14	21.40	21.20	22.3	0
5	QPSK	1	12	21.26	21.34	21.36		
5	QPSK	1	24	21.13	21.28	21.19		
5	QPSK	12	0	21.23	21.37	21.34	22.3	0
5	QPSK	12	7	21.17	21.29	21.23		
5	QPSK	12	13	21.14	21.25	21.14		
5	QPSK	25	0	21.07	21.23	21.08	22.3	0
5	16QAM	1	0	21.16	21.22	21.24		
5	16QAM	1	12	21.27	21.31	21.20		
5	16QAM	1	24	21.24	21.40	21.29	22.3	0
5	16QAM	12	0	21.18	21.35	21.18		
5	16QAM	12	7	21.17	21.21	21.14		
5	16QAM	12	13	21.14	21.28	21.17	22.3	0
5	16QAM	25	0	21.20	21.30	21.16		
5	64QAM	1	0	21.16	21.33	21.18		
5	64QAM	1	12	21.27	21.28	21.29	22.3	0
5	64QAM	1	24	21.19	21.24	21.23		
5	64QAM	12	0	21.21	21.31	21.19		
5	64QAM	12	7	21.16	21.36	21.16	22.3	0
5	64QAM	12	13	21.15	21.19	21.15		
5	64QAM	25	0	21.21	21.24	21.29		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.16	21.39	21.21	22.3	0
3	QPSK	1	8	21.26	21.33	21.21		
3	QPSK	1	14	21.21	21.27	21.18		
3	QPSK	8	0	21.24	21.31	21.30	22.3	0
3	QPSK	8	4	21.13	21.23	21.23		
3	QPSK	8	7	21.19	21.28	21.07		
3	QPSK	15	0	21.16	21.27	21.17	22.3	0
3	16QAM	1	0	21.22	21.21	21.16		
3	16QAM	1	8	21.26	21.29	21.24		
3	16QAM	1	14	21.24	21.36	21.23	22.3	0
3	16QAM	8	0	21.22	21.35	21.23		
3	16QAM	8	4	21.22	21.27	21.09		
3	16QAM	8	7	21.15	21.24	21.13	22.3	0
3	16QAM							



Band 17 Ant 0 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.32	21.41	21.25	22.3	0	
10	QPSK	1	25	21.26	21.39	21.29			
10	QPSK	1	49	21.30	21.34	21.20			
10	QPSK	25	0	21.28	21.37	21.24			
10	QPSK	25	12	21.19	21.30	21.16	22.3	0	
10	QPSK	25	25	21.21	21.26	21.13			
10	QPSK	50	0	21.20	21.25	21.15			
10	16QAM	1	0	21.23	21.30	21.17	22.3	0	
10	16QAM	1	25	21.28	21.35	21.23			
10	16QAM	1	49	21.33	21.39	21.28			
10	16QAM	25	0	21.19	21.26	21.12	22.3	0	
10	16QAM	25	12	21.35	21.38	21.35			
10	16QAM	25	25	21.33	21.38	21.31			
10	16QAM	50	0	21.24	21.32	21.24			
10	64QAM	1	0	21.30	21.35	21.22	22.3	0	
10	64QAM	1	25	21.25	21.29	21.23			
10	64QAM	1	49	21.23	21.30	21.20			
10	64QAM	25	0	21.19	21.27	21.23	22.3	0	
10	64QAM	25	12	21.33	21.37	21.33			
10	64QAM	25	25	21.19	21.32	21.22			
10	64QAM	50	0	21.17	21.27	21.13			
Channel				23755	23760	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	21.22	21.37	21.14	22.3	0	
5	QPSK	1	12	21.12	21.29	21.18			
5	QPSK	1	24	21.19	21.20	21.09			
5	QPSK	12	0	21.16	21.34	21.13	22.3	0	
5	QPSK	12	7	21.15	21.16	21.08			
5	QPSK	12	13	21.17	21.20	21.06			
5	QPSK	25	0	21.08	21.17	21.04	22.3	0	
5	16QAM	1	0	21.17	21.24	21.07	22.3	0	
5	16QAM	1	12	21.22	21.23	21.19			
5	16QAM	1	24	21.28	21.24	21.22			
5	16QAM	12	0	21.15	21.19	21.08	22.3	0	
5	16QAM	12	7	21.23	21.33	21.24			
5	16QAM	12	13	21.26	21.27	21.18			
5	16QAM	25	0	21.21	21.22	21.15	22.3	0	
5	64QAM	1	0	21.24	21.27	21.12			
5	64QAM	1	12	21.17	21.14	21.19	22.3	0	
5	64QAM	1	24	21.09	21.25	21.15			
5	64QAM	12	0	21.13	21.17	21.13	22.3	0	
5	64QAM	12	7	21.23	21.23	21.19			
5	64QAM	12	13	21.07	21.20	21.17			
5	64QAM	25	0	21.07	21.18	20.99			

Band 26 Ant 0 DSI13									
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				26785	26855	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.26	21.47	21.30	22.3	0	
15	QPSK	1	37	21.20	21.42	21.28			
15	QPSK	1	74	21.16	21.33	21.23			
15	QPSK	36	0	21.29	21.45	21.34	22.3	0	
15	QPSK	36	20	21.20	21.36	21.31			
15	QPSK	36	39	21.25	21.40	21.35	22.3	0	
15	QPSK	75	0	21.19	21.37	21.27			
15	16QAM	1	0	21.28	21.45	21.32	22.3	0	
15	16QAM	1	37	21.19	21.44	21.29			
15	16QAM	1	74	21.21	21.43	21.32			
15	16QAM	36	0	21.16	21.35	21.21	22.3	0	
15	16QAM	36	20	21.08	21.32	21.22			
15	16QAM	36	39	21.06	21.29	21.24	22.3	0	
15	16QAM	75	0	21.28	21.46	21.41			
15	64QAM	1	0	21.18	21.30	21.25	22.3	0	
15	64QAM	1	37	21.29	21.46	21.42			
15	64QAM	1	74	21.22	21.45	21.39	22.3	0	
15	64QAM	36	0	21.15	21.29	21.19			
15	64QAM	36	20	21.21	21.32	21.21	22.3	0	
15	64QAM	36	39	21.24	21.40	21.25			
15	64QAM	75	0	21.17	21.40	21.34			
Channel				26740	26855	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.14	21.32	21.20	22.3	0	
10	QPSK	1	25	21.12	21.29	21.16			
10	QPSK	1	49	21.08	21.26	21.10			
10	QPSK	25	0	21.19	21.39	21.28	22.3	0	
10	QPSK	25	12	21.15	21.23	21.17			
10	QPSK	25	25	21.15	21.27	21.25			
10	QPSK	50	0	21.06	21.25	21.22	22.3	0	
10	16QAM	1	0	21.15	21.38	21.24			
10	16QAM	1	25	21.09	21.29	21.16	22.3	0	
10	16QAM	1	49	21.11	21.39	21.27			
10	16QAM	25	0	21.03	21.32	21.26	22.3	0	
10	16QAM	25	12	20.95	21.23	21.11			
10	16QAM	25	25	21.01	21.23	21.17			
10	16QAM	50	0	21.16	21.35	21.33	22.3	0	
10	64QAM	1	0	21.06	21.22	21.16			
10	64QAM	1	25	21.23	21.36	21.32	22.3	0	
10	64QAM	1	49	21.15	21.33	21.28			
10	64QAM	25	0	21.11	21.23	21.14	22.3	0	
10	64QAM	25	12	21.15	21.28	21.08			
10	64QAM	25	25	21.19	21.35	21.12			
10	64QAM	50	0	21.09	21.35	21.21			
Channel				26715	26855	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.12	21.43	21.19	22.3	0	
5	QPSK	1	12	21.15	21.36	21.17			
5	QPSK	1	24	21.13	21.19	21.13			
5	QPSK	12	0	21.21	21.42	21.25	22.3	0	
5	QPSK	12	7	21.10	21.28	21.19			
5	QPSK	12	13	21.14	21.28	21.25			
5	QPSK	25	0	21.10	21.24	21.17	22.3	0	
5	16QAM	1	0	21.16	21.39	21.27			
5	16QAM	1	12	21.09	21.40	21.17	22.3	0	
5	16QAM	1	24	21.15	21.30	21.22			
5	16QAM	12	0	21.09	21.20	21.20	22.3	0	
5	16QAM	12	7	20.96	21.26	21.16			
5	16QAM	12	13	20.99	21.20	21.15			
5	16QAM	25	0	21.22	21.32	21.33	22.3	0	
5	64QAM	1	0	21.09	21.22	21.13			
5	64QAM	1	12	21.16	21.36	21.38	22.3	0	
5	64QAM	1	24	21.08	21.33	21.27			
5	64QAM	12	0	21.05	21.18	21.12	22.3	0	
5	64QAM	12	7	21.09	21.24	21.14			
5	64QAM	12	13	21.10	21.36	21.18			
5	64QAM	25	0	21.10	21.29	21.28			
Channel				26705	26855	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.16	21.37	21.24	22.3	0	
3	QPSK	1	8	21.13	21.29	21.23			
3	QPSK	1	14	21.07	21.27	21.19			
3	QPSK	8	0	21.24	21.30	21.22	22.3	0	
3	QPSK	8	4	21.10	21.27	21.26			
3	QPSK	8	7	21.17	21.28	21.25			
3	QPSK	15	0	21.06	21.30	21.20	22.3	0	
3	16QAM	1	0	21.20	21.36	21.28			
3	16QAM	1	8	21.14	21.35	21.25	22.3	0	
3	16QAM	1	14	21.13	21.39	21.19			
3	16QAM	8	0	21.07	21.26	21.25	22.3	0	
3	16QAM	8	4	21.03	21.23	21.15			
3	16QAM	8	7	20.98	21.17	21.20			
3	16QAM	15	0	21.13	21.33	21.32	22.3	0	
3	64QAM	1	0	21.04	21.15	21.13	22.3	0	
3	64QAM	1	8	21.19	21.34	21.29			
3	64QAM	1	14	21.14	21.37	21.25			
3	64QAM	8	0	21.11	21.19	21.08	22.3	0	
3	64QAM	8	4	21.06	21.27	21.08			
3	64QAM	8	7	21.10	21.30	21.16			



GSM1900 Ant 1 DS13

GSM1900 TX Channel	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	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.51	26.35	26.44	27.80	17.51	17.35	17.44	18.80
GPRS 1 Tx slot	25.44	25.29	26.38	27.80	17.44	17.29	17.38	18.80
GPRS 2 Tx slots	24.19	24.14	24.35	24.80	18.19	18.14	18.35	18.80
GPRS 3 Tx slots	22.08	21.96	22.12	23.00	17.82	17.70	17.86	18.74
GPRS 4 Tx slots	19.95	20.12	20.03	21.80	16.95	17.12	17.03	18.80
EDGE 1 Tx slot	25.27	25.19	25.24	27.00	16.27	16.19	16.24	18.00
EDGE 2 Tx slot	22.47	22.36	22.36	24.00	16.47	16.36	16.36	18.00
EDGE 3 Tx slots	20.26	20.21	20.32	22.20	16.00	15.95	16.06	17.94
EDGE 4 Tx slots	19.18	19.09	19.12	21.00	16.18	16.09	16.12	18.00

WCDMA II Ant 1 DS13

WCDMA IV Ant 1 DS13

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1823.4	1880	1927.6		1712.4	1722.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	19.96	20.07	20.03	20.90	19.96	20.04	19.88	20.80
3GPP Rel 99	RMC 12.2Kbps	20.12	20.16	20.11	20.90	20.10	20.12	20.01	20.80
3GPP Rel 6	HSDPA Subtest-1	19.28	19.38	19.53	20.10	19.32	19.29	19.20	19.80
3GPP Rel 6	HSDPA Subtest-2	19.30	19.49	19.28	20.10	19.16	19.35	19.16	19.80
3GPP Rel 6	HSDPA Subtest-3	18.73	18.80	18.76	19.40	18.91	18.97	18.68	19.30
3GPP Rel 6	HSDPA Subtest-4	18.77	18.71	18.80	19.40	18.71	18.93	18.70	19.30
3GPP Rel 8	DC-HSDPA Subtest-1	19.27	19.58	19.49	20.10	19.07	19.42	19.20	19.80
3GPP Rel 8	DC-HSDPA Subtest-2	19.30	19.68	19.46	20.10	19.21	19.18	19.40	19.80
3GPP Rel 8	DC-HSDPA Subtest-3	18.81	18.84	18.83	19.40	18.63	18.71	18.65	19.30
3GPP Rel 8	DC-HSDPA Subtest-4	18.89	19.00	18.76	19.40	18.63	18.85	18.37	19.30
3GPP Rel 6	HSUPA Subtest-1	19.52	19.49	19.34	20.10	19.41	19.38	19.31	19.80
3GPP Rel 6	HSUPA Subtest-2	16.21	16.25	16.15	16.90	17.18	17.26	17.10	17.80
3GPP Rel 6	HSUPA Subtest-3	17.30	17.22	17.20	17.90	18.22	18.35	18.24	18.80
3GPP Rel 6	HSUPA Subtest-4	16.36	16.31	16.22	16.90	17.35	17.41	17.30	17.80
3GPP Rel 6	HSUPA Subtest-5	19.42	19.69	19.62	20.10	19.01	19.30	19.15	19.80



Band 2 Ant 1 DSI13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1850	1880	1910			
20	QPSK	1	49	1940	1952	1947	20.9	0	
20	QPSK	1	99	1949	1963	1959			
20	QPSK	50	0	1953	1961	1958			
20	QPSK	50	24	1940	1951	1943	20.9	0	
20	QPSK	50	50	1948	1957	1954			
20	QPSK	100	0	1939	1948	1934			
20	16QAM	1	0	1949	1952	1954			
20	16QAM	1	49	1946	1952	1939	20.9	0	
20	16QAM	1	99	1949	1958	1944			
20	16QAM	50	0	1953	1964	1955			
20	16QAM	50	24	1941	1953	1949	20.9	0	
20	16QAM	50	50	1946	1955	1948			
20	16QAM	100	0	1958	1965	1953			
20	64QAM	1	0	1958	1964	1950			
20	64QAM	1	49	1947	1960	1953	20.9	0	
20	64QAM	1	99	1954	1948	1943			
20	64QAM	50	0	1955	1962	1952			
20	64QAM	50	24	1943	1946	1938	20.9	0	
20	64QAM	50	50	1956	1963	1952			
20	64QAM	100	0	1956	1960	1946			
Channel									
Frequency (MHz)									
15	QPSK	1	0	1875	1880	19125			
15	QPSK	1	37	1934	1945	1934	20.9	0	
15	QPSK	1	74	1937	1949	1946			
15	QPSK	36	0	1944	1935	1948			
15	QPSK	36	20	1933	1938	1935	20.9	0	
15	QPSK	36	39	1936	1942	1947			
15	QPSK	75	0	1933	1935	1930			
15	16QAM	1	0	1944	1953	1950			
15	16QAM	1	37	1942	1942	1925	20.9	0	
15	16QAM	1	74	1942	1945	1931			
15	16QAM	36	0	1940	1951	1947			
15	16QAM	36	20	1944	1935	1935	20.9	0	
15	16QAM	36	39	1942	1942	1937			
15	16QAM	75	0	1948	1959	1943			
15	64QAM	1	0	1954	1958	1942			
15	64QAM	1	37	1934	1950	1940	20.9	0	
15	64QAM	1	74	1920	1936	1939			
15	64QAM	36	0	1941	1949	1939			
15	64QAM	36	20	1940	1938	1925	20.9	0	
15	64QAM	36	39	1951	1950	1948			
15	64QAM	75	0	1951	1950	1934			
Channel									
Frequency (MHz)									
10	QPSK	1	0	1855	1880	1905			
10	QPSK	1	25	1930	1937	1936	20.9	0	
10	QPSK	1	49	1946	1956	1951			
10	QPSK	25	0	1943	1948	1947			
10	QPSK	25	12	1927	1947	1938	20.9	0	
10	QPSK	25	25	1935	1943	1943			
10	QPSK	50	0	1941	1952	1942			
10	16QAM	1	0	1949	1950	1947			
10	16QAM	1	25	1931	1945	1925	20.9	0	
10	16QAM	1	49	1937	1944	1930			
10	16QAM	25	0	1943	1955	1947			
10	16QAM	25	12	1931	1942	1935	20.9	0	
10	16QAM	25	25	1931	1945	1939			
10	16QAM	50	0	1946	1958	1950			
10	64QAM	1	0	1921	1938	1937	20.9	0	
10	64QAM	1	25	1940	1952	1949			
10	64QAM	1	49	1920	1937	1932			
10	64QAM	25	0	1946	1947	1938			
10	64QAM	25	12	1929	1941	1935	20.9	0	
10	64QAM	25	25	1951	1950	1939			
10	64QAM	50	0	1950	1948	1938			
Channel									
Frequency (MHz)									
5	QPSK	1	0	1852.5	1880	1917.5			
5	QPSK	1	12	1952	1955	1947.5	20.9	0	
5	QPSK	1	24	1951	1959	1954			
5	QPSK	12	0	1944	1958	1947			
5	QPSK	12	7	1928	1948	1934	20.9	0	
5	QPSK	12	13	1942	1951	1948			
5	QPSK	25	0	1929	1941	1926			
5	16QAM	1	0	1942	1956	1945			
5	16QAM	1	12	1939	1937	1930	20.9	0	
5	16QAM	1	24	1937	1949	1930			
5	16QAM	12	0	1942	1958	1944			
5	16QAM	12	7	1929	1942	1938	20.9	0	
5	16QAM	12	13	1934	1950	1936			
5	16QAM	25	0	1948	1953	1946			
5	64QAM	1	0	1946	1950	1942			
5	64QAM	1	12	1943	1954	1941	20.9	0	
5	64QAM	1	24	1927	1942	1938			
5	64QAM	12	0	1949	1955	1943			
5	64QAM	12	7	1943	1934	1928	20.9	0	
5	64QAM	12	13	1946	1955	1943			
5	64QAM	25	0	1949	1946	1937			
Channel									
Frequency (MHz)									
3	QPSK	1	0	1851.5	1880	1908.5			
3	QPSK	1	8	1926	1948	1934	20.9	0	
3	QPSK	1	14	1935	1959	1947			
3	QPSK	8	0	1940	1952	1944			
3	QPSK	8	4	1932	1948	1929	20.9	0	
3	QPSK	8	7	1941	1947	1950			
3	QPSK	15	0	1931	1937	1930			
3	16QAM	1	0	1945	1958	1949			
3	16QAM	1	8	1943	1940	1931	20.9	0	
3	16QAM	1	14	1938	1951	1936			
3	16QAM	8	0	1940	1959	1942			
3	16QAM	8	4	1928	1939	1938	20.9	0	
3	16QAM	8	7	1938	1944	1938			
3	16QAM	15	0	1951	1959	1943			
3	64QAM	1	0	1944	1950	1941			
3	64QAM	1	8	1937	1948	1944	20.9	0	
3	64QAM	1	14	1921	1941	1935			
3	64QAM	8	0	1944	1956	1941			
3	64QAM	8	4	1935	1936	1929	20.9	0	
3	64QAM	8	7	1947	1952	1942			
3	64QAM	15	0	1946	1954	1942			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	1857	1880	1903			
1.4	QPSK	1	3	1931	1941	1933	20.9	0	
1.4	QPSK	1	5	1939	1952	1948			
1.4	QPSK	3	0	1943	1951	1951			
1.4	QPSK	3	1	1927	1940	1934	20.9	0	
1.4	QPSK	3	3	1939	1944	1941			
1.4	QPSK	6	0	1931	1938	1927	20.9	0	
1.4	16QAM	1	0	1949	1958	1949			
1.4	16QAM	1	3	1933	1938	1928	20.9	0	
1.4	16QAM	1	5	1939	1950	1935			
1.4	16QAM	3	0	1942	1960	1949			
1.4	16QAM	3	1	1933	1949	1943	20.9	0	
1.4	16QAM	3	3	1942	1949	1945			
1.4	16QAM	6	0	1955	1951	1949	20.9	0	
1.4	64QAM	1	0	1953	1960	1939			
1.4	64QAM	1	3	1942	1947	1948	20.9	0	
1.4	64QAM	1	5	1948	1935	1932			
1.4	64QAM	3	0	1944	1948	1945			
1.4	64QAM	3	1	1932	1943	1932	20.9	0	
1.4	64QAM	3	3	1945	1948	1938			
1.4	64QAM	6	0	1946	1949	1937	20.9	0	

Band 4 Ant 1 DSI13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20650	20175	20300			
20	QPSK	1	49	1938	1943	1931	20.8	0	
20	QPSK	1	99	1941	1945	1933			
20	QPSK	50	0	1946	1957	1948			
20	QPSK	50	24	1938	1943	1932	20.8	0	
20	QPSK	50	50	1940	1947	1938			
20	QPSK	100	0	1938	1944	1940			
20	16QAM	1	0	1940	1954	1945			
20	16QAM	1	49	1937	1956	1949	20.8	0	
20	16QAM	1	99						



Band 25 Ant 1 DSI13										
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				26140	26340	26590				
Frequency (MHz)				1870	1850	1870				
20	QPSK	1	0	19.60	19.60	19.52				
20	QPSK	1	49	19.42	19.50	19.36	20.9	0		
20	QPSK	1	99	19.50	19.65	19.58				
20	QPSK	50	0	19.52	19.66	19.59				
20	QPSK	50	24	19.42	19.54	19.47				
20	QPSK	50	50	19.40	19.52	19.41	20.9	0		
20	QPSK	100	0	19.61	19.65	19.53				
20	16QAM	1	0	19.47	19.60	19.50				
20	16QAM	1	49	19.51	19.61	19.48	20.9	0		
20	16QAM	1	99	19.38	19.51	19.41				
20	16QAM	50	0	19.59	19.67	19.58				
20	16QAM	50	24	19.43	19.50	19.37				
20	16QAM	50	50	19.41	19.53	19.40	20.9	0		
20	16QAM	100	0	19.53	19.63	19.51				
20	64QAM	1	0	19.46	19.61	19.49				
20	64QAM	1	49	19.44	19.59	19.55	20.9	0		
20	64QAM	1	99	19.44	19.51	19.46				
20	64QAM	50	0	19.59	19.64	19.52				
20	64QAM	50	24	19.40	19.52	19.43	20.9	0		
20	64QAM	50	50	19.49	19.60	19.57				
20	64QAM	100	0	19.48	19.59	19.46				
Channel				26115	26340	26615				
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	19.54	19.63	19.40				
15	QPSK	1	37	19.29	19.39	19.30	20.9	0		
15	QPSK	1	74	19.45	19.53	19.50				
15	QPSK	36	0	19.43	19.52	19.45				
15	QPSK	36	20	19.35	19.47	19.43	20.9	0		
15	QPSK	36	39	19.29	19.45	19.35				
15	QPSK	75	0	19.50	19.61	19.45				
15	16QAM	1	0	19.43	19.48	19.37				
15	16QAM	1	37	19.46	19.50	19.42	20.9	0		
15	16QAM	1	74	19.27	19.42	19.27				
15	16QAM	36	0	19.44	19.56	19.46				
15	16QAM	36	20	19.39	19.46	19.29	20.9	0		
15	16QAM	36	39	19.31	19.48	19.30				
15	16QAM	75	0	19.41	19.51	19.43				
15	64QAM	1	0	19.35	19.49	19.40				
15	64QAM	1	37	19.39	19.48	19.48	20.9	0		
15	64QAM	1	74	19.32	19.39	19.35				
15	64QAM	36	0	19.47	19.57	19.44				
15	64QAM	36	20	19.27	19.43	19.34	20.9	0		
15	64QAM	36	39	19.38	19.56	19.48				
15	64QAM	75	0	19.43	19.48	19.42				
Channel				26090	26340	26540				
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	19.55	19.58	19.45				
10	QPSK	1	25	19.31	19.44	19.24	20.9	0		
10	QPSK	1	49	19.36	19.54	19.49				
10	QPSK	25	0	19.43	19.53	19.53				
10	QPSK	25	12	19.39	19.42	19.41	20.9	0		
10	QPSK	25	25	19.38	19.38	19.38				
10	QPSK	50	0	19.52	19.62	19.42				
10	16QAM	1	0	19.40	19.51	19.38				
10	16QAM	1	25	19.45	19.50	19.39	20.9	0		
10	16QAM	1	49	19.24	19.45	19.33				
10	16QAM	25	0	19.51	19.57	19.53				
10	16QAM	25	12	19.31	19.38	19.29	20.9	0		
10	16QAM	25	25	19.28	19.49	19.27				
10	16QAM	50	0	19.38	19.52	19.43				
10	64QAM	1	0	19.42	19.48	19.39				
10	64QAM	1	25	19.30	19.45	19.41	20.9	0		
10	64QAM	1	49	19.32	19.39	19.31				
10	64QAM	25	0	19.45	19.52	19.39				
10	64QAM	25	12	19.35	19.41	19.35	20.9	0		
10	64QAM	25	25	19.38	19.57	19.42				
10	64QAM	50	0	19.37	19.54	19.42				
Channel				26065	26340	26665				
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	19.50	19.66	19.38				
5	QPSK	1	12	19.36	19.41	19.30	20.9	0		
5	QPSK	1	24	19.46	19.59	19.52				
5	QPSK	12	0	19.49	19.53	19.50				
5	QPSK	12	7	19.30	19.50	19.37	20.9	0		
5	QPSK	12	13	19.29	19.43	19.35				
5	QPSK	25	0	19.52	19.53	19.48				
5	16QAM	1	0	19.35	19.55	19.43				
5	16QAM	1	12	19.44	19.57	19.38	20.9	0		
5	16QAM	1	24	19.34	19.37	19.28				
5	16QAM	12	0	19.45	19.55	19.46				
5	16QAM	12	7	19.35	19.38	19.30	20.9	0		
5	16QAM	12	13	19.35	19.43	19.34				
5	16QAM	25	0	19.49	19.50	19.39				
5	64QAM	1	0	19.40	19.46	19.37				
5	64QAM	1	12	19.33	19.54	19.43	20.9	0		
5	64QAM	1	24	19.30	19.46	19.41				
5	64QAM	12	0	19.48	19.57	19.42				
5	64QAM	12	7	19.29	19.45	19.37	20.9	0		
5	64QAM	12	13	19.37	19.51	19.44				
5	64QAM	25	0	19.35	19.48	19.34				
Channel				26055	26340	26675				
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	19.55	19.59	19.41				
3	QPSK	1	8	19.29	19.44	19.29	20.9	0		
3	QPSK	1	14	19.38	19.61	19.52				
3	QPSK	8	0	19.46	19.53	19.48				
3	QPSK	8	4	19.30	19.43	19.42	20.9	0		
3	QPSK	8	7	19.36	19.48	19.32				
3	QPSK	15	0	19.53	19.60	19.41				
3	16QAM	1	0	19.39	19.52	19.38				
3	16QAM	1	8	19.47	19.47	19.40	20.9	0		
3	16QAM	1	14	19.34	19.41	19.32				
3	16QAM	8	0	19.45	19.55	19.47				
3	16QAM	8	4	19.36	19.36	19.31	20.9	0		
3	16QAM	8	7	19.36	19.39	19.29				
3	16QAM	15	0	19.43	19.59	19.43				
3	64QAM	1	0	19.36	19.49	19.45				
3	64QAM	1	8	19.31	19.55	19.48	20.9	0		
3	64QAM	1	14	19.37	19.39	19.37				
3	64QAM	8	0	19.45	19.53	19.42				
3	64QAM	8	4	19.34	19.43	19.39	20.9	0		
3	64QAM	8	7	19.37	19.52	19.44				
3	64QAM	15	0	19.42	19.49	19.38				
Channel				26047	26340	26533				
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	19.46	19.61	19.38				
1.4	QPSK	1	3	19.35	19.38	19.24	20.9	0		
1.4	QPSK	1	5	19.46	19.54	19.49				
1.4	QPSK	3	0	19.47	19.57	19.56				
1.4	QPSK	3	1	19.32	19.48	19.42	20.9	0		
1.4	QPSK	3	3	19.35	19.42	19.29				
1.4	QPSK	6	0	19.49	19.55	19.40				
1.4	16QAM	1	0	19.32	19.54	19.37				
1.4	16QAM	1	3	19.40	19.53	19.36	20.9	0		
1.4	16QAM	1	5	19.29	19.43	19.31				
1.4	16QAM	3	0	19.53	19.59	19.47				
1.4	16QAM	3	1	19.39	19.42	19.33	20.9	0		
1.4	16QAM	3	3	19.33	19.38	19.37				
1.4	16QAM	6	0	19.45	19.58	19.37				
1.4	64QAM	1	0	19.37	19.54	19.34				



Band 38 Ant 1 DSI13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	19.36	19.51	19.32	20.3	0				
20	QPSK	1	49	19.44	19.50	19.39						
20	QPSK	1	99	19.29	19.37	19.27						
20	QPSK	50	0	19.42	19.49	19.44						
20	QPSK	50	24	19.34	19.43	19.35	20.3	0				
20	QPSK	50	50	19.26	19.40	19.37						
20	QPSK	100	0	19.32	19.37	19.32						
20	16QAM	1	0	19.25	19.36	19.23						
20	16QAM	1	49	19.33	19.47	19.35	20.3	0				
20	16QAM	1	99	19.28	19.36	19.25						
20	16QAM	50	0	19.37	19.48	19.41						
20	16QAM	50	24	19.36	19.45	19.31						
20	16QAM	50	50	19.26	19.32	19.24	20.3	0				
20	16QAM	100	0	19.33	19.43	19.37						
20	64QAM	1	0	19.41	19.50	19.38						
20	64QAM	1	49	19.25	19.36	19.30						
20	64QAM	1	99	19.36	19.44	19.29	20.3	0				
20	64QAM	50	0	19.39	19.50	19.36						
20	64QAM	50	24	19.39	19.45	19.31						
20	64QAM	50	50	19.26	19.38	19.32						
20	64QAM	100	0	19.42	19.46	19.36	20.3	0				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	19.23	19.48	19.21			20.3	0		
15	QPSK	1	37	19.34	19.40	19.28						
15	QPSK	1	74	19.15	19.28	19.22						
15	QPSK	36	0	19.32	19.36	19.31						
15	QPSK	36	20	19.25	19.39	19.29	20.3	0				
15	QPSK	36	39	19.17	19.34	19.29						
15	QPSK	75	0	19.24	19.33	19.17						
15	16QAM	1	0	19.13	19.28	19.20						
15	16QAM	1	37	19.27	19.41	19.32	20.3	0				
15	16QAM	1	74	19.16	19.30	19.16						
15	16QAM	36	0	19.26	19.36	19.35						
15	16QAM	36	20	19.29	19.37	19.17						
15	16QAM	36	39	19.16	19.27	19.14	20.3	0				
15	16QAM	75	0	19.25	19.33	19.27						
15	64QAM	1	0	19.35	19.38	19.35						
15	64QAM	1	37	19.11	19.29	19.24						
15	64QAM	1	74	19.29	19.33	19.17	20.3	0				
15	64QAM	36	0	19.34	19.37	19.26						
15	64QAM	36	20	19.36	19.41	19.19						
15	64QAM	36	39	19.18	19.32	19.26						
15	64QAM	75	0	19.32	19.40	19.32	20.3	0				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	19.28	19.48	19.26			20.3	0		
10	QPSK	1	25	19.35	19.41	19.28						
10	QPSK	1	49	19.17	19.27	19.15						
10	QPSK	25	0	19.31	19.45	19.32						
10	QPSK	25	12	19.27	19.34	19.21	20.3	0				
10	QPSK	25	25	19.19	19.29	19.22						
10	QPSK	50	0	19.24	19.30	19.19						
10	16QAM	1	0	19.20	19.27	19.16						
10	16QAM	1	25	19.22	19.38	19.28	20.3	0				
10	16QAM	1	49	19.23	19.35	19.38						
10	16QAM	25	0	19.31	19.34	19.28						
10	16QAM	25	12	19.31	19.34	19.28						
10	16QAM	25	25	19.16	19.21	19.21	20.3	0				
10	16QAM	50	0	19.19	19.32	19.26						
10	64QAM	1	0	19.27	19.44	19.32						
10	64QAM	1	25	19.15	19.24	19.22						
10	64QAM	1	49	19.31	19.29	19.17	20.3	0				
10	64QAM	25	0	19.28	19.39	19.23						
10	64QAM	25	12	19.34	19.35	19.16						
10	64QAM	25	25	19.13	19.29	19.25						
10	64QAM	50	0	19.34	19.42	19.29	20.3	0				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	19.31	19.38	19.20			20.3	0		
5	QPSK	1	12	19.35	19.40	19.34						
5	QPSK	1	24	19.24	19.33	19.21						
5	QPSK	12	0	19.34	19.35	19.36						
5	QPSK	12	7	19.25	19.31	19.22	20.3	0				
5	QPSK	12	13	19.14	19.37	19.25						
5	QPSK	25	0	19.28	19.27	19.22						
5	16QAM	1	0	19.18	19.24	19.16						
5	16QAM	1	12	19.20	19.36	19.32	20.3	0				
5	16QAM	1	24	19.23	19.21	19.16						
5	16QAM	12	0	19.27	19.42	19.32						
5	16QAM	12	7	19.25	19.41	19.18						
5	16QAM	12	13	19.22	19.27	19.13	20.3	0				
5	16QAM	25	0	19.29	19.28	19.23						
5	64QAM	1	0	19.31	19.36	19.33						
5	64QAM	1	12	19.13	19.23	19.16						
5	64QAM	1	24	19.22	19.40	19.18	20.3	0				
5	64QAM	12	0	19.27	19.45	19.22						
5	64QAM	12	7	19.30	19.31	19.20						
5	64QAM	12	13	19.12	19.25	19.19						

Band 41 Ant 1 DSI13												
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	19.33	19.44	19.56	19.41	19.38	20.3	0		
20	QPSK	1	49	19.35	19.43	19.48	19.41	19.33				
20	QPSK	1	99	19.30	19.26	19.37	19.25	19.23				
20	QPSK	50	0	19.45	19.43	19.49	19.38	19.36				
20	QPSK	50	24	19.34	19.25	19.38	19.26	19.33	20.3	0		
20	QPSK	50	50	19.27	19.28	19.41	19.37	19.32				
20	QPSK	100	0	19.32	19.37	19.44	19.30	19.37				
20	16QAM	1	0	19.31	19.27	19.42	19.31	19.37				
20	16QAM	1	49	19.20	19.22	19.27	19.18	19.16	20.3	0		
20	16QAM	1	99	19.30	19.36	19.41	19.36	19.36				
20	16QAM	50	0	19.46	19.48	19.53	19.47	19.49				
20	16QAM	50	24	19.25	19.22	19.31	19.21	19.21				
20	16QAM	50	50	19.41	19.34	19.46	19.32	19.41	20.3	0		
20	16QAM	100	0	19.38	19.45	19.51	19.44	19.40				
20	64QAM	1	0	19.34	19.38	19.45	19.40	19.32				
20	64QAM	1	49	19.26	19.19	19.32	19.25	19.27				
20	64QAM	1	99	19.31	19.30	19.34	19.25	19.28	20.3	0		
20	64QAM	50	0	19.39	19.34	19.44	19.34	19.30				
20	64QAM	50	24	19.20	19.26	19.34	19.20	19.26				
20	64QAM	50	50	19.36	19.38	19.41	19.31	19.36				
20	64QAM	100	0	19.36	19.42	19.45	19.42	19.32	20.3	0		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.19	19.41	19.49	19.29	19.30			20.30	0
15	QPSK	1	37	19.30	19.29	19.44	19.30	19.21				
15	QPSK	1	74	19.19	19.22	19.29	19.12	19.09				
15	QPSK	36	0	19.39	19.30	19.41	19.29	19.22				
15	QPSK	36	20	19.30	19.12	19.32	19.16	19.24	20.3	0		
15	QPSK	36	39	19.18	19.20	19.33	19.30	19.24				
15	QPSK	75	0	19.27	19.24	19.36	19.27	19.24				
15	16QAM	1	0	19.21	19.17	19.34	19.18	19.25				
15	16QAM	1	37	19.10	19.12	19.13	19.10	19.10	20.3	0		
15	16QAM	1	74	19.17	19.29	19.26	19.30	19.24				
15	16QAM	36	0	19.41	19.38	19.44	19.36	19.43				
15	16QAM	36	20	19.12	19.12	19.17	19.14	19.08				
15	16QAM	36	39	19.26	19.20	19.33	19.27	19.33	20.3	0		
15	16QAM	75	0	19.25	19.32	19.37	19.36	19.26				
15	64QAM	1	0	19.24	19.27	19.38	19.26	19.27				
1												



GSM850 Ant 2 DSI13

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	27.44	27.51	27.66	28.50	18.44	18.51	18.66	19.50
GPRS 1 Tx slot	27.40	27.35	27.59	28.50	18.40	18.35	18.59	19.50
GPRS 2 Tx slots	24.41	24.32	24.50	25.50	18.41	18.32	18.50	19.50
GPRS 3 Tx slots	22.78	22.65	22.89	23.70	18.52	18.39	18.63	19.44
GPRS 4 Tx slots	21.62	21.75	21.73	22.50	18.62	18.75	18.73	19.50
EDGE 1 Tx slot	26.28	26.23	26.47	27.70	17.28	17.23	17.47	18.70
EDGE 2 Tx slots	23.43	23.36	23.59	24.70	17.43	17.36	17.59	18.70
EDGE 3 Tx slots	21.65	21.58	21.79	22.90	17.39	17.32	17.53	18.64
EDGE 4 Tx slots	20.43	20.35	20.58	21.70	17.43	17.35	17.58	18.70

WCDMA V Ant 2 DSI13

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	824.4	836.4	848.6	
3GPP Rel 99	AMR 12.2Kbps	19.45	19.53	19.43
3GPP Rel 99	RMC 12.2Kbps	19.55	19.70	19.55
3GPP Rel 6	HSDPA Subtest-1	16.52	16.54	16.44
3GPP Rel 6	HSDPA Subtest-2	16.45	16.63	16.27
3GPP Rel 6	HSDPA Subtest-3	18.04	18.24	17.88
3GPP Rel 6	HSDPA Subtest-4	17.98	18.11	18.03
3GPP Rel 8	DC-HSDPA Subtest-1	16.45	16.39	16.38
3GPP Rel 8	DC-HSDPA Subtest-2	16.43	16.84	16.80
3GPP Rel 8	DC-HSDPA Subtest-3	17.90	18.16	17.98
3GPP Rel 8	DC-HSDPA Subtest-4	17.90	18.13	18.01
3GPP Rel 6	HSUPA Subtest-1	16.44	16.67	16.35
3GPP Rel 6	HSUPA Subtest-2	14.49	14.64	14.32
3GPP Rel 6	HSUPA Subtest-3	15.43	15.92	15.56
3GPP Rel 6	HSUPA Subtest-4	14.47	14.55	14.46
3GPP Rel 6	HSUPA Subtest-5	16.58	16.68	16.53



Band 5 Ant 2 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	19.88	20.04	19.91	21	0
10	QPSK	1	25	19.92	19.92	19.87		
10	QPSK	1	49	19.87	19.86	19.93	21	0
10	QPSK	25	0	19.91	19.98	19.97		
10	QPSK	25	12	19.82	19.74	19.91	21	0
10	QPSK	25	25	19.69	19.86	19.75		
10	QPSK	50	0	19.94	19.95	19.83	21	0
10	16QAM	1	0	19.91	19.72	19.85		
10	16QAM	1	25	19.94	20.03	19.86	21	0
10	16QAM	1	49	19.89	19.90	19.77		
10	16QAM	25	0	19.85	19.92	19.77	21	0
10	16QAM	25	12	19.78	19.75	19.93		
10	16QAM	25	25	19.88	19.91	19.97	21	0
10	16QAM	50	0	19.77	19.85	19.87		
10	64QAM	1	0	19.81	19.81	19.89	21	0
10	64QAM	1	25	19.96	19.97	19.92		
10	64QAM	1	49	19.91	19.90	19.85	21	0
10	64QAM	25	0	19.82	19.86	19.83		
10	64QAM	25	12	19.83	19.98	19.89	21	0
10	64QAM	25	25	19.95	19.93	19.83		
10	64QAM	50	0	19.90	19.95	19.85		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.01	19.92	19.83	21	0
5	QPSK	1	12	19.83	19.88	19.97		
5	QPSK	1	24	19.98	19.91	19.82	21	0
5	QPSK	12	0	19.99	19.96	19.96		
5	QPSK	12	7	19.71	19.89	19.89	21	0
5	QPSK	12	13	19.80	19.88	19.91		
5	QPSK	25	0	19.94	19.94	19.98	21	0
5	16QAM	1	0	19.72	19.76	19.81		
5	16QAM	1	12	19.97	20.03	19.86	21	0
5	16QAM	1	24	20.00	19.81	19.94		
5	16QAM	12	0	19.88	19.85	19.94	21	0
5	16QAM	12	7	19.78	19.90	19.81		
5	16QAM	12	13	19.86	20.02	19.86	21	0
5	16QAM	25	0	19.80	19.84	19.98		
5	64QAM	1	0	19.84	19.79	19.75	21	0
5	64QAM	1	12	19.90	20.01	20.03		
5	64QAM	1	24	19.99	19.78	19.89	21	0
5	64QAM	12	0	19.80	19.93	19.80		
5	64QAM	12	7	19.96	19.87	19.91	21	0
5	64QAM	12	13	19.90	19.88	19.83		
5	64QAM	25	0	19.70	19.90	19.83		
Channel				20416	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				835.5	836.5	847.5		
3	QPSK	1	0	19.95	19.83	19.92	21	0
3	QPSK	1	8	19.88	19.79	20.06		
3	QPSK	1	14	19.82	19.90	20.00	21	0
3	QPSK	8	0	19.85	19.97	20.02		
3	QPSK	8	4	19.86	19.86	19.89	21	0
3	QPSK	8	7	19.70	19.95	19.84		
3	QPSK	15	0	19.88	19.79	19.81	21	0
3	16QAM	1	0	19.92	19.75	19.78		
3	16QAM	1	8	19.91	19.91	19.91	21	0
3	16QAM	1	14	19.97	19.81	19.94		
3	16QAM	8	0	19.92	19.78	19.72	21	0
3	16QAM	8	4	19.74	19.85	20.01		
3	16QAM	8	7	19.92	19.83	19.93	21	0
3	16QAM	15	0	19.74	19.91	19.87		
3	64QAM	1	0	19.73	19.76	19.88	21	0
3	64QAM	1	8	19.92	19.91	19.90		
3	64QAM	1	14	19.83	19.85	19.87	21	0
3	64QAM	8	0	19.97	19.97	19.86		
3	64QAM	8	4	20.02	19.89	19.87	21	0
3	64QAM	8	7	19.79	19.78	19.89		
3	64QAM	15	0	19.91	19.76	19.83		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	19.96	19.99	19.97	21	0
1.4	QPSK	1	3	19.73	19.80	19.85		
1.4	QPSK	1	5	19.92	19.78	19.81	21	0
1.4	QPSK	3	0	19.80	20.03	19.99		
1.4	QPSK	3	1	19.71	19.74	19.92	21	0
1.4	QPSK	3	3	19.71	19.91	19.84		
1.4	QPSK	6	0	19.80	19.87	19.90	21	0
1.4	16QAM	1	0	19.85	19.81	19.83		
1.4	16QAM	1	3	20.02	19.90	19.87	21	0
1.4	16QAM	1	5	19.97	20.00	19.93		
1.4	16QAM	3	0	19.79	19.91	19.89	21	0
1.4	16QAM	3	1	19.73	19.96	19.86		
1.4	16QAM	3	3	19.85	19.99	19.94	21	0
1.4	16QAM	6	0	19.73	19.77	19.83		
1.4	64QAM	1	0	19.82	19.87	19.91	21	0
1.4	64QAM	1	3	19.86	20.03	19.98		
1.4	64QAM	1	5	19.97	19.85	19.82	21	0
1.4	64QAM	3	0	20.01	19.78	19.79		
1.4	64QAM	3	1	19.92	19.98	19.96	21	0
1.4	64QAM	3	3	19.88	19.86	19.91		
1.4	64QAM	6	0	19.94	19.83	19.71	21	0

Band 12 Ant 2 DSI13

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.25	21.34	21.12	22	0
10	QPSK	1	25	21.01	21.09	21.04		
10	QPSK	1	49	21.01	21.15	21.05	22	0
10	QPSK	25	0	21.17	21.30	21.21		
10	QPSK	25	12	21.02	21.13	21.10	22	0
10	QPSK	25	25	21.01	21.13	21.08		
10	QPSK	50	0	21.16	21.21	21.08	22	0
10	16QAM	1	0	21.20	21.29	21.16		
10	16QAM	1	25	21.14	21.19	21.11	22	0
10	16QAM	1	49	21.18	21.29	21.17		
10	16QAM	25	0	21.23	21.31	21.16	22	0
10	16QAM	25	12	21.25	21.29	21.20		
10	16QAM	25	25	21.09	21.13	21.08	22	0
10	16QAM	50	0	21.07	21.17	21.06		
10	64QAM	1	0	21.20	21.32	21.25	22	0
10	64QAM	1	25	21.08	21.20	21.14		
10	64QAM	1	49	21.16	21.26	21.20	22	0
10	64QAM	25	0	21.16	21.26	21.19		
10	64QAM	25	12	21.21	21.31	21.25	22	0
10	64QAM	25	25	21.04	21.12	21.00		
10	64QAM	50	0	21.07	21.10	20.97		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.11	21.26	21.04	22	0
5	QPSK	1	12	20.96	20.95	20.90		
5	QPSK	1	24	20.90	21.02	20.99	22	0
5	QPSK	12	0	21.04	21.15	21.07		
5	QPSK	12	7	20.90	21.00	21.02	22	0
5	QPSK	12	13	20.95	21.06	20.94		
5	QPSK	25	0	21.09	21.06	21.02	22	0
5	16QAM	1	0	21.15	21.25	21.12		
5	16QAM	1	12	21.07	21.05	21.06	22	0
5	16QAM	1	24	21.05	21.16	21.06		
5	16QAM	12	0	21.15	21.21	21.11	22	0
5	16QAM	12	7	21.21	21.15	21.13		
5	16QAM	12	13	20.99	21.05	21.02	22	0
5	16QAM	25	0	20.97	21.11	21.02		
5	64QAM	1	0	21.12	21.27	21.12	22	0
5	64QAM	1	12	20.96	21.06	21.08		
5	64QAM	1	24	21.07	21.21	21.15	22	0
5	64QAM	12	0	21.02	21.13	21.04		
5	64QAM	12	7	21.14	21.24	21.20	22	0
5	64QAM	12	13	20.95	21.05	20.90		
5	64QAM	25	0	20.95	20.97	20.89		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.10	21.24	21.04	22	0
3	QPSK	1	8	20.97	21.03	20.91		
3	QPSK	1	14	20.90	21.09	20.94	22	0
3	QPSK	8	0	21.07	21.20	21.09		
3	QPSK	8	4	20.92	21.06	20.96	22	0
3	QPSK	8	7	20.93	21.00	20.95		
3	QPSK	15	0	21.01	21.07	21.01	22	0
3	16QAM	1	0	21.12	21.16			



Band 17 Ant 2 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	21.11	21.27	21.20	22	0	
10	QPSK	1	25	21.08	21.22	21.15			
10	QPSK	1	49	21.15	21.19	21.05			
10	QPSK	25	0	21.16	21.21	21.12	22	0	
10	QPSK	25	12	21.09	21.16	21.04			
10	QPSK	25	25	21.07	21.11	21.05			
10	QPSK	50	0	21.06	21.20	21.10	22	0	
10	16QAM	1	0	21.12	21.25	21.12			
10	16QAM	1	25	21.13	21.19	21.05			
10	16QAM	1	49	20.99	21.11	20.97	22	0	
10	16QAM	25	0	21.05	21.17	21.04			
10	16QAM	25	12	20.94	21.08	21.02			
10	16QAM	25	25	21.13	21.18	21.12	22	0	
10	16QAM	50	0	21.06	21.16	21.04			
10	64QAM	1	0	21.11	21.26	21.20			
10	64QAM	1	25	21.13	21.22	21.11	22	0	
10	64QAM	1	49	20.99	21.10	21.06			
10	64QAM	25	0	21.18	21.24	21.10			
10	64QAM	25	12	21.05	21.12	21.00	22	0	
10	64QAM	25	25	21.04	21.16	21.09			
10	64QAM	50	0	21.12	21.22	21.10			
Channel				23755	23760	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	20.97	21.15	21.16	22	0	
5	QPSK	1	12	20.95	21.09	21.10			
5	QPSK	1	24	21.07	21.10	20.94			
5	QPSK	12	0	21.04	21.14	21.04	22	0	
5	QPSK	12	7	21.02	21.10	20.99			
5	QPSK	12	13	20.98	21.00	20.83			
5	QPSK	25	0	20.98	21.11	21.07	22	0	
5	16QAM	1	0	21.03	21.17	21.06			
5	16QAM	1	12	21.06	21.13	20.95			
5	16QAM	1	24	20.89	20.97	20.83	22	0	
5	16QAM	12	0	20.99	21.13	20.96			
5	16QAM	12	7	20.85	21.05	20.95			
5	16QAM	12	13	21.10	21.07	20.99	22	0	
5	16QAM	25	0	20.91	21.07	20.97			
5	64QAM	1	0	20.96	21.23	21.07			
5	64QAM	1	12	20.98	21.07	20.96	22	0	
5	64QAM	1	24	20.87	21.06	20.95			
5	64QAM	12	0	21.11	21.15	21.02			
5	64QAM	12	7	21.00	21.03	20.89	22	0	
5	64QAM	12	13	20.98	21.04	21.04			
5	64QAM	25	0	21.05	21.08	20.97			

Band 26 Ant 2 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	19.88	20.11	19.94	21	0	
15	QPSK	1	37	19.79	20.00	19.89			
15	QPSK	1	74	20.10	20.00	19.96			
15	QPSK	36	0	20.02	20.09	19.96	21	0	
15	QPSK	36	20	19.83	20.04	20.03			
15	QPSK	36	39	19.84	19.96	19.99			
15	QPSK	75	0	20.04	20.05	19.96	21	0	
15	16QAM	1	0	19.88	19.95	19.83			
15	16QAM	1	37	19.95	19.98	19.95			
15	16QAM	1	74	19.99	20.10	20.06	21	0	
15	16QAM	36	0	19.99	19.99	19.88			
15	16QAM	36	20	19.95	20.07	19.87			
15	16QAM	36	39	19.92	19.98	20.04	21	0	
15	16QAM	75	0	19.97	20.02	20.00			
15	64QAM	1	0	19.82	19.87	19.90			
15	64QAM	1	37	20.05	19.99	19.80	21	0	
15	64QAM	1	74	20.06	20.05	19.94			
15	64QAM	36	0	20.01	19.84	20.09			
15	64QAM	36	20	19.93	20.07	20.10	21	0	
15	64QAM	36	39	19.87	19.93	20.03			
15	64QAM	75	0	20.03	19.93	19.78			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	19.87	20.08	19.88	21	0	
10	QPSK	1	25	19.92	19.98	19.97			
10	QPSK	1	49	19.96	19.96	20.03			
10	QPSK	25	0	20.03	20.00	20.08	21	0	
10	QPSK	25	12	19.92	19.91	19.83			
10	QPSK	25	25	19.82	19.91	19.83			
10	QPSK	50	0	19.98	19.95	19.91	21	0	
10	16QAM	1	0	19.88	19.94	19.83			
10	16QAM	1	25	20.02	20.03	20.10			
10	16QAM	1	49	20.00	19.92	19.92	21	0	
10	16QAM	25	0	19.92	19.98	19.90			
10	16QAM	25	12	19.86	19.93	19.99			
10	16QAM	25	25	19.92	19.96	19.91	21	0	
10	16QAM	50	0	19.79	19.94	19.87			
10	64QAM	1	0	19.85	20.01	20.01			
10	64QAM	1	25	19.99	19.85	19.90	21	0	
10	64QAM	1	49	20.10	19.91	19.96			
10	64QAM	25	0	19.95	19.99	19.93			
10	64QAM	25	12	19.97	20.03	19.96	21	0	
10	64QAM	25	25	20.01	20.07	19.88			
10	64QAM	50	0	20.07	19.95	19.89			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	19.92	20.05	19.97	21	0	
5	QPSK	1	12	19.89	19.97	20.04			
5	QPSK	1	24	20.02	20.01	19.94			
5	QPSK	12	0	19.97	20.05	20.10	21	0	
5	QPSK	12	7	19.97	20.01	19.96			
5	QPSK	12	13	19.87	20.03	19.84			
5	QPSK	25	0	20.04	20.02	19.91	21	0	
5	16QAM	1	0	19.95	19.86	19.80			
5	16QAM	1	12	20.07	19.98	20.05			
5	16QAM	1	24	19.89	19.92	19.91	21	0	
5	16QAM	12	0	20.00	20.06	20.03			
5	16QAM	12	7	20.00	19.88	19.95			
5	16QAM	12	13	19.92	19.93	19.91	21	0	
5	16QAM	25	0	19.96	19.95	20.07			
5	64QAM	1	0	19.85	19.89	20.04			
5	64QAM	1	12	20.01	19.93	19.90	21	0	
5	64QAM	1	24	19.87	19.95	19.96			
5	64QAM	12	0	19.94	19.91	19.83			
5	64QAM	12	7	19.87	19.96	20.10	21	0	
5	64QAM	12	13	19.94	20.02	19.99			
5	64QAM	25	0	20.04	19.95	19.86			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	19.99	20.06	19.96	21	0	
3	QPSK	1	8	19.89	20.05	20.03			
3	QPSK	1	14	20.07	19.93	20.07			
3	QPSK	8	0	20.04	20.07	20.08	21	0	
3	QPSK	8	4	19.98	20.01	19.94			
3	QPSK	8	7	19.88	19.97	19.92			
3	QPSK	15	0	19.94	19.95	19.95	21	0	
3	16QAM	1	0	19.91	19.78	19.91			
3	16QAM	1	8	19.92	20.06	19.95			
3	16QAM	1	14	19.95	20.09	19.98	21	0	
3	16QAM	8	0	19.88	19.97	19.96			
3	16QAM	8	4	19.93	20.08	19.90			
3	16QAM	8	7	19.87	20.06	19.93	21	0	
3	16QAM	15	0	19.89	19.93	20.00			
3	64QAM	1	0	19.92	19.84	20.10			
3	64QAM	1	8	20.07	19.83	20.01	21	0	
3	64QAM	1	14	20.07	20.07	19.94			
3	64QAM	8	0	20.00	19.99	19.97			
3	64QAM	8	4	19.85	19.97	20.06	21	0	
3	64QAM	8	7	20.06	19.92	20.05			
3	64QAM	15	0	20.05	19.97	19.78			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	19.94	20.09	20.00	21	0	
1.4	QPSK	1	3	19.93	20.01	20.05			
1.4	QPSK	1	5	20.01	20.06	19.98			
1.4	QPSK	3	0	20.01	20.02	19.92	21	0	
1.4	QPSK	3	1	19.99	19.90	20.04			
1.4	QPSK	3	3	19.91	20.00	19.98			
1.4	QPSK	6	0	20.05	20.04	19.91	21	0	
1.4	16QAM	1	0	19.90	19.95	19.91			
1.4	16QAM	1	3	20.07	20.09	19.92			
1.4	16QAM	1	5	19.88	19.98	19.99	21	0	
1.4	16QAM	3	0	19.89	20.02	19.			

Band 7 ENDC Ant 5 DSI13									
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	13.21	13.39	13.34	14.9	0	
20	QPSK	1	49	13.18	13.33	13.23			
20	QPSK	1	99	13.26	13.38	13.35			
20	QPSK	50	0	13.28	13.36	13.24	14.9	0	
20	QPSK	50	24	13.07	13.17	13.10			
20	QPSK	50	50	13.09	13.24	13.19			
20	QPSK	100	0	13.18	13.25	13.18	14.9	0	
20	16QAM	1	0	13.22	13.33	13.20			
20	16QAM	1	49	13.17	13.22	13.15			
20	16QAM	1	99	13.20	13.29	13.17	14.9	0	
20	16QAM	50	0	13.17	13.28	13.17			
20	16QAM	50	24	13.04	13.17	13.13			
20	16QAM	50	50	13.18	13.21	13.15	14.9	0	
20	16QAM	100	0	13.19	13.27	13.15			
20	64QAM	1	0	13.11	13.26	13.21			
20	64QAM	1	49	13.28	13.36	13.26	14.9	0	
20	64QAM	1	99	13.07	13.20	13.11			
20	64QAM	50	0	13.13	13.24	13.10			
20	64QAM	50	24	13.11	13.20	13.10	14.9	0	
20	64QAM	50	50	13.27	13.31	13.21			
20	64QAM	100	0	13.08	13.19	13.06			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.16	13.36	13.22	14.9	0	
15	QPSK	1	37	13.10	13.20	13.14			
15	QPSK	1	74	13.16	13.34	13.31			
15	QPSK	36	0	13.13	13.29	13.12	14.9	0	
15	QPSK	36	20	13.01	13.10	12.99			
15	QPSK	36	39	12.99	13.16	13.08			
15	QPSK	75	0	13.11	13.15	13.13	14.9	0	
15	16QAM	1	0	13.13	13.22	13.07			
15	16QAM	1	37	13.04	13.08	13.10			
15	16QAM	1	74	13.09	13.21	13.10	14.9	0	
15	16QAM	36	0	13.04	13.19	13.08			
15	16QAM	36	20	13.01	13.05	13.06			
15	16QAM	36	39	13.13	13.10	13.04	14.9	0	
15	16QAM	75	0	13.13	13.24	13.09			
15	64QAM	1	0	12.98	13.15	13.12			
15	64QAM	1	37	13.17	13.24	13.14	14.9	0	
15	64QAM	1	74	13.03	13.15	13.02			
15	64QAM	36	0	13.05	13.16	13.02			
15	64QAM	36	20	12.98	13.06	13.00	14.9	0	
15	64QAM	36	39	13.15	13.21	13.13			
15	64QAM	75	0	12.98	13.11	13.03			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.15	13.27	13.23	14.9	0	
10	QPSK	1	25	13.04	13.22	13.12			
10	QPSK	1	49	13.18	13.31	13.27			
10	QPSK	25	0	13.19	13.25	13.14	14.9	0	
10	QPSK	25	12	13.04	13.11	13.00			
10	QPSK	25	25	13.02	13.20	13.05			
10	QPSK	50	0	13.14	13.20	13.10	14.9	0	
10	16QAM	1	0	13.12	13.21	13.06			
10	16QAM	1	25	13.10	13.12	13.11			
10	16QAM	1	49	13.16	13.17	13.12	14.9	0	
10	16QAM	25	0	13.03	13.15	13.13			
10	16QAM	25	12	12.93	13.08	12.99			
10	16QAM	25	25	13.05	13.07	13.10	14.9	0	
10	16QAM	50	0	13.13	13.23	13.04			
10	64QAM	1	0	13.07	13.20	13.15			
10	64QAM	1	25	13.18	13.26	13.12	14.9	0	
10	64QAM	1	49	13.04	13.09	13.00			
10	64QAM	25	0	13.08	13.18	13.06			
10	64QAM	25	12	13.05	13.08	13.03	14.9	0	
10	64QAM	25	25	13.19	13.19	13.10			
10	64QAM	50	0	12.94	13.13	12.98			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.09	13.28	13.30	14.9	0	
5	QPSK	1	12	13.04	13.20	13.11			
5	QPSK	1	24	13.14	13.29	13.22			
5	QPSK	12	0	13.21	13.28	13.13	14.9	0	
5	QPSK	12	7	13.01	13.13	12.97			
5	QPSK	12	13	13.03	13.15	13.08			
5	QPSK	25	0	13.07	13.19	13.07	14.9	0	
5	16QAM	1	0	13.15	13.26	13.11			
5	16QAM	1	12	13.04	13.09	13.03			
5	16QAM	1	24	13.11	13.22	13.03	14.9	0	
5	16QAM	12	0	13.11	13.25	13.11			
5	16QAM	12	7	12.95	13.04	13.06			
5	16QAM	12	13	13.07	13.16	13.05	14.9	0	
5	16QAM	25	0	13.05	13.18	13.02			
5	64QAM	1	0	13.00	13.18	13.12			
5	64QAM	1	12	13.20	13.29	13.12	14.9	0	
5	64QAM	1	24	13.01	13.15	12.99			
5	64QAM	12	0	13.07	13.21	13.02			
5	64QAM	12	7	12.97	13.12	13.02	14.9	0	
5	64QAM	12	13	13.17	13.27	13.12			
5	64QAM	25	0	12.98	13.13	12.99			



GSM1900 Ant 6 DSI13

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1852.2	1880	1908.3		1852.2	1880	1908.3	
GSM 1 Tx slot	22.62	22.41	22.69	24.10	13.62	13.41	13.69	15.10
GPRS 1 Tx slots	22.55	22.65	22.56	24.10	13.55	13.65	13.56	15.10
GPRS 2 Tx slots	19.59	19.43	19.51	21.10	13.59	13.43	13.51	15.10
GPRS 3 Tx slots	17.87	17.57	17.58	19.30	13.61	13.31	13.32	15.04
GPRS 4 Tx slots	16.56	16.70	16.46	18.10	13.56	13.70	13.46	15.10
EDGE 1 Tx slot	22.68	22.29	22.41	24.10	13.68	13.29	13.41	15.10
EDGE 2 Tx slots	19.64	19.40	19.47	21.10	13.64	13.40	13.47	15.10
EDGE 3 Tx slots	17.64	17.67	17.85	19.30	13.58	13.41	13.59	15.04
EDGE 4 Tx slots	16.56	16.28	16.38	18.10	13.56	13.28	13.38	15.10

WCDMA II Ant 6 DSI13

WCDMA IV Ant 6 DSI13

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1637	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	12.79	12.80	12.65	14.00	16.38	16.44	16.32	17.50
3GPP Rel 99	RMC 12.2Kbps	12.87	12.92	12.78	14.00	16.45	16.57	16.51	17.50
3GPP Rel 6	HSDPA Subtest-1	12.01	12.11	11.78	13.20	15.37	15.40	15.21	16.50
3GPP Rel 6	HSDPA Subtest-2	11.90	11.98	11.72	13.20	15.27	15.39	15.30	16.50
3GPP Rel 6	HSDPA Subtest-3	11.27	11.34	11.06	12.50	14.86	14.96	14.68	16.00
3GPP Rel 6	HSDPA Subtest-4	11.03	11.29	11.32	12.50	14.95	15.11	15.15	16.00
3GPP Rel 8	DC-HSDPA Subtest-1	12.03	12.15	11.96	13.20	15.14	15.45	15.40	16.50
3GPP Rel 8	DC-HSDPA Subtest-2	11.70	11.76	11.74	13.20	15.36	15.42	15.30	16.50
3GPP Rel 8	DC-HSDPA Subtest-3	11.13	11.29	11.03	12.50	14.91	14.81	15.02	16.00
3GPP Rel 8	DC-HSDPA Subtest-4	11.10	11.10	10.99	12.50	14.91	14.82	14.56	16.00
3GPP Rel 6	HSUPA Subtest-1	11.87	12.15	11.95	13.20	15.44	15.44	15.39	16.50
3GPP Rel 6	HSUPA Subtest-2	8.73	8.67	8.59	10.00	13.40	13.44	13.33	14.50
3GPP Rel 6	HSUPA Subtest-3	9.67	9.87	9.83	11.00	14.35	14.45	14.22	15.50
3GPP Rel 6	HSUPA Subtest-4	8.78	8.77	8.78	10.00	13.31	13.36	13.21	14.50
3GPP Rel 6	HSUPA Subtest-5	11.87	12.04	11.88	13.20	15.26	15.37	15.51	16.50



Band 2 Ant 6 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	12.76	12.96	12.91	14.2	0
20	QPSK	1	49	12.70	12.83	12.78		
20	QPSK	1	99	12.79	12.92	12.81		
20	QPSK	50	0	12.75	12.85	12.75		
20	QPSK	50	24	12.70	12.81	12.73		
20	QPSK	50	50	12.61	12.76	12.68		
20	QPSK	100	0	12.69	12.82	12.78		
20	16QAM	1	0	12.71	12.96	12.78		
20	16QAM	1	49	12.75	12.82	12.75		
20	16QAM	1	99	12.64	12.74	12.65		
20	16QAM	50	0	12.73	12.79	12.72		
20	16QAM	50	24	12.65	12.75	12.64		
20	16QAM	50	50	12.72	12.78	12.71		
20	16QAM	100	0	12.65	12.76	12.68		
20	64QAM	1	0	12.73	12.81	12.70		
20	64QAM	1	49	12.68	12.75	12.68		
20	64QAM	1	99	12.69	12.80	12.73		
20	64QAM	50	0	12.78	12.82	12.86		
20	64QAM	50	24	12.74	12.83	12.68		
20	64QAM	50	50	12.71	12.75	12.72		
20	64QAM	100	0	12.65	12.77	12.65		
Channel								
Frequency (MHz)								
15	QPSK	1	0	12.64	12.87	12.71	14.2	0
15	QPSK	1	37	12.56	12.75	12.65		
15	QPSK	1	74	12.74	12.83	12.68		
15	QPSK	36	0	12.72	12.72	12.62		
15	QPSK	36	20	12.65	12.71	12.68		
15	QPSK	36	39	12.69	12.79	12.69		
15	QPSK	75	0	12.60	12.79	12.62		
15	16QAM	1	0	12.63	12.75	12.66		
15	16QAM	1	37	12.63	12.70	12.68		
15	16QAM	1	74	12.50	12.67	12.58		
15	16QAM	36	0	12.63	12.65	12.69		
15	16QAM	36	20	12.55	12.69	12.59		
15	16QAM	36	39	12.57	12.71	12.67		
15	16QAM	75	0	12.54	12.69	12.66		
15	64QAM	1	0	12.68	12.76	12.66		
15	64QAM	1	37	12.62	12.61	12.58		
15	64QAM	1	74	12.54	12.67	12.65		
15	64QAM	36	0	12.65	12.77	12.73		
15	64QAM	36	20	12.59	12.74	12.60		
15	64QAM	36	39	12.64	12.72	12.61		
15	64QAM	75	0	12.63	12.64	12.67		
Channel								
Frequency (MHz)								
10	QPSK	1	0	12.63	12.88	12.71	14.2	0
10	QPSK	1	25	12.64	12.77	12.64		
10	QPSK	1	49	12.71	12.87	12.66		
10	QPSK	25	0	12.61	12.80	12.69		
10	QPSK	25	12	12.58	12.75	12.65		
10	QPSK	25	26	12.50	12.69	12.63		
10	QPSK	50	0	12.55	12.69	12.63		
10	16QAM	1	0	12.61	12.81	12.74		
10	16QAM	1	25	12.64	12.76	12.68		
10	16QAM	1	49	12.57	12.63	12.57		
10	16QAM	25	0	12.64	12.66	12.69		
10	16QAM	25	12	12.51	12.62	12.58		
10	16QAM	25	26	12.57	12.68	12.61		
10	16QAM	50	0	12.59	12.67	12.65		
10	64QAM	1	0	12.65	12.77	12.58		
10	64QAM	1	25	12.64	12.63	12.61		
10	64QAM	1	49	12.63	12.68	12.66		
10	64QAM	25	0	12.65	12.88	12.62		
10	64QAM	25	12	12.69	12.68	12.59		
10	64QAM	25	26	12.56	12.70	12.65		
10	64QAM	50	0	12.55	12.70	12.68		
Channel								
Frequency (MHz)								
5	QPSK	1	0	12.71	12.91	12.72	14.2	0
5	QPSK	1	12	12.62	12.72	12.69		
5	QPSK	1	24	12.68	12.83	12.76		
5	QPSK	12	0	12.63	12.81	12.67		
5	QPSK	12	7	12.56	12.89	12.67		
5	QPSK	12	13	12.55	12.81	12.63		
5	QPSK	25	0	12.58	12.67	12.57		
5	16QAM	1	0	12.68	12.81	12.65		
5	16QAM	1	12	12.65	12.70	12.72		
5	16QAM	1	24	12.58	12.62	12.60		
5	16QAM	12	0	12.62	12.74	12.59		
5	16QAM	12	7	12.52	12.68	12.59		
5	16QAM	12	13	12.55	12.67	12.67		
5	16QAM	25	0	12.62	12.70	12.59		
5	64QAM	1	0	12.65	12.70	12.64		
5	64QAM	1	12	12.62	12.65	12.54		
5	64QAM	1	24	12.56	12.70	12.63		
5	64QAM	12	0	12.67	12.81	12.71		
5	64QAM	12	7	12.63	12.74	12.63		
5	64QAM	12	13	12.62	12.62	12.67		
5	64QAM	25	0	12.62	12.63	12.69		
Channel								
Frequency (MHz)								
3	QPSK	1	0	12.72	12.86	12.68	14.2	0
3	QPSK	1	8	12.59	12.69	12.70		
3	QPSK	1	14	12.67	12.79	12.76		
3	QPSK	8	0	12.67	12.79	12.69		
3	QPSK	8	4	12.62	12.69	12.67		
3	QPSK	8	7	12.68	12.71	12.55		
3	QPSK	15	0	12.54	12.78	12.66		
3	16QAM	1	0	12.61	12.72	12.74		
3	16QAM	1	8	12.66	12.67	12.71		
3	16QAM	1	14	12.58	12.60	12.56		
3	16QAM	8	0	12.65	12.71	12.59		
3	16QAM	8	4	12.60	12.67	12.57		
3	16QAM	8	7	12.63	12.65	12.58		
3	16QAM	15	0	12.55	12.62	12.63		
3	64QAM	1	0	12.58	12.75	12.66		
3	64QAM	1	8	12.60	12.66	12.54		
3	64QAM	1	14	12.57	12.67	12.69		
3	64QAM	8	0	12.68	12.79	12.71		
3	64QAM	8	4	12.60	12.69	12.57		
3	64QAM	8	7	12.58	12.67	12.63		
3	64QAM	15	0	12.55	12.71	12.50		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	12.64	12.83	12.71	14.2	0
1.4	QPSK	1	3	12.65	12.76	12.71		
1.4	QPSK	1	5	12.74	12.87	12.72		
1.4	QPSK	3	0	12.63	12.71	12.61		
1.4	QPSK	3	1	12.60	12.67	12.69		
1.4	QPSK	3	3	12.51	12.62	12.64		
1.4	QPSK	6	0	12.62	12.70	12.60		
1.4	16QAM	1	0	12.62	12.72	12.75		
1.4	16QAM	1	3	12.70	12.68	12.70		
1.4	16QAM	1	5	12.61	12.60	12.61		
1.4	16QAM	3	0	12.68	12.65	12.61		
1.4	16QAM	3	1	12.60	12.70	12.60		
1.4	16QAM	3	3	12.62	12.71	12.62		
1.4	16QAM	6	0	12.57	12.72	12.55		
1.4	64QAM	1	0	12.61	12.67	12.64		
1.4	64QAM	1	3	12.58	12.63	12.58		
1.4	64QAM	1	5	12.64	12.76	12.68		
1.4	64QAM	3	0	12.71	12.83	12.80		
1.4	64QAM	3	1	12.60	12.69	12.57		
1.4	64QAM	3	3	12.63	12.61	12.69		
1.4	64QAM	6	0	12.55	12.65	12.48		

Band 4 Ant 6 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	15.81	15.96	15.92	17.2	0
20	QPSK	1	49	15.70	15.81	15.76		
20	QPSK	1	99	15.82	15.95	15.90		
20	QPSK	50	0	15.89	15.92	15.88		
20	QPSK	50	24	15.75	15.83	15.75		
20	QPSK	50	50	15.64	15.78	15.68		
20	QPSK	100	0	15.75	15.88	15.74		
20	16QAM	1	0	15.74	15.79	15.71		
20	16QAM	1	49	15.75	15.80	15.73		
20	16QAM	1	99	15.77	15.91	15.86		
20	16QAM	50	0	15.79	15.92	15.84		
20	16QAM	50	24	15.70	15.75	15.71		
20	16QAM	50	50	15.63	15.95	15.86		
20	16QAM	100	0	15.84	15.89	15.86		
20	64QAM	1	0	15.82	15.91	15.83		
20	64QAM	1	99	15.58	15.73	15.62		
20	64QAM	50	0	15.80	15.84	15.81		
20	64QAM	50	24	15.63	15.76	15.64		
20	64QAM	50	50	15.66	15.90	15.77		
20	64QAM	100	0	15.75	15.84	15.74		
Channel								
Frequency (MHz)								
15	QPSK	1	0	15.76	15.84	15.78	17.2	0
15	QPSK	1	37	15.60	15.75	15.64		
15	QPSK	1	74	15.68	15.81	15.76		
15	QPSK	36	0	15.82	15.85	15.83		
15	QPSK	36	20	15.68	15.76	15.67		
15	QPSK	36	39	15.55	15.69	15.53		
15	QPSK	75	0	15.64	15.83	15.67		
15	16QAM	1	0	15.59	15.74	15.64		
15	16QAM	1	37	15.70	15.66	15.63		
15	16QAM	1	74	15.73	15.80	15.76		
15	16QAM	36	0	15.73	15.86	15.77		
15	16QAM	36	20	15.66	15.68	15.66		
15	16QAM	36						



Band 25 Ant 6 DSI13									
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				26140	26340	26590			
Frequency (MHz)									
20	QPSK	1	0	13.01	13.06	12.92			
20	QPSK	1	49	12.86	12.90	12.80	14.2	0	
20	QPSK	1	99	12.91	13.02	12.93			
20	QPSK	50	0	12.89	13.01	12.93			
20	QPSK	50	24	12.86	12.90	12.75	14.2	0	
20	QPSK	50	50	12.77	12.89	12.83			
20	QPSK	100	0	12.91	13.04	12.94			
20	16QAM	1	0	12.91	13.01	12.95			
20	16QAM	1	49	12.83	12.88	12.81	14.2	0	
20	16QAM	1	99	12.82	12.96	12.85			
20	16QAM	50	0	12.87	12.92	12.86			
20	16QAM	50	24	12.91	13.01	12.86	14.2	0	
20	16QAM	50	50	12.76	12.87	12.80			
20	16QAM	100	0	13.01	13.05	12.92			
20	64QAM	1	0	12.81	12.86	12.75			
20	64QAM	1	49	12.76	12.88	12.82	14.2	0	
20	64QAM	1	99	12.87	13.00	12.88			
20	64QAM	50	0	12.99	13.04	12.99			
20	64QAM	50	24	12.83	12.87	12.74	14.2	0	
20	64QAM	50	50	12.82	12.96	12.93			
20	64QAM	100	0	12.91	13.02	12.92			
Channel				26115	26340	26615			
Frequency (MHz)									
15	QPSK	1	0	12.86	12.92	12.79			
15	QPSK	1	37	12.75	12.84	12.74	14.2	0	
15	QPSK	1	74	12.83	12.95	12.79			
15	QPSK	36	0	12.75	12.93	12.89			
15	QPSK	36	20	12.79	12.76	12.64	14.2	0	
15	QPSK	36	39	12.85	12.82	12.72			
15	QPSK	75	0	12.84	13.00	12.83			
15	16QAM	1	0	12.77	12.88	12.81			
15	16QAM	1	37	12.69	12.84	12.72	14.2	0	
15	16QAM	1	74	12.77	12.87	12.78			
15	16QAM	36	0	12.74	12.82	12.75			
15	16QAM	36	20	12.88	12.90	12.73	14.2	0	
15	16QAM	36	39	12.72	12.82	12.70			
15	16QAM	75	0	12.88	12.96	12.79			
15	64QAM	1	0	12.69	12.76	12.68			
15	64QAM	1	37	12.67	12.76	12.71	14.2	0	
15	64QAM	1	74	12.84	12.88	12.79			
15	64QAM	36	0	12.93	13.01	12.92			
15	64QAM	36	20	12.80	12.78	12.62	14.2	0	
15	64QAM	36	39	12.72	12.89	12.86			
15	64QAM	75	0	12.84	12.95	12.84			
Channel				26100	26340	26640			
Frequency (MHz)									
10	QPSK	1	0	12.92	12.99	12.84			
10	QPSK	1	25	12.75	12.78	12.73	14.2	0	
10	QPSK	1	49	12.82	12.90	12.86			
10	QPSK	25	0	12.84	12.97	12.84			
10	QPSK	25	12	12.74	12.86	12.70	14.2	0	
10	QPSK	25	25	12.89	12.90	12.69			
10	QPSK	50	0	12.77	12.96	12.81			
10	16QAM	1	0	12.80	12.94	12.89			
10	16QAM	1	25	12.78	12.77	12.71	14.2	0	
10	16QAM	1	49	12.77	12.82	12.82			
10	16QAM	25	0	12.80	12.77	12.83			
10	16QAM	25	12	12.78	12.95	12.82	14.2	0	
10	16QAM	25	25	12.89	12.90	12.75			
10	16QAM	50	0	12.89	13.00	12.80			
10	64QAM	1	0	12.73	12.78	12.66			
10	64QAM	1	25	12.66	12.76	12.74	14.2	0	
10	64QAM	1	49	12.83	12.91	12.82			
10	64QAM	25	0	12.89	12.93	12.87			
10	64QAM	25	12	12.78	12.83	12.59	14.2	0	
10	64QAM	25	25	12.89	12.94	12.83			
10	64QAM	50	0	12.88	12.88	12.82			
Channel				26085	26340	26685			
Frequency (MHz)									
5	QPSK	1	0	12.97	12.98	12.82			
5	QPSK	1	12	12.82	12.81	12.72	14.2	0	
5	QPSK	1	24	12.83	12.92	12.83			
5	QPSK	12	0	12.79	12.97	12.87			
5	QPSK	12	7	12.72	12.79	12.65	14.2	0	
5	QPSK	12	13	12.70	12.79	12.70			
5	QPSK	25	0	12.87	12.94	12.86			
5	16QAM	1	0	12.78	12.94	12.83			
5	16QAM	1	12	12.68	12.81	12.75	14.2	0	
5	16QAM	1	24	12.74	12.85	12.75			
5	16QAM	12	0	12.83	12.79	12.75			
5	16QAM	12	7	12.87	12.97	12.81	14.2	0	
5	16QAM	12	13	12.89	12.78	12.81			
5	16QAM	25	0	12.86	12.97	12.82			
5	64QAM	1	0	12.77	12.72	12.62			
5	64QAM	1	12	12.66	12.83	12.77	14.2	0	
5	64QAM	1	24	12.79	12.94	12.75			
5	64QAM	12	0	12.88	12.95	12.95			
5	64QAM	12	7	12.70	12.74	12.60	14.2	0	
5	64QAM	12	13	12.87	12.93	12.78			
5	64QAM	25	0	12.85	12.90	12.82			
Channel				26065	26340	26675			
Frequency (MHz)									
3	QPSK	1	0	12.96	12.96	12.79			
3	QPSK	1	8	12.71	12.80	12.71	14.2	0	
3	QPSK	1	14	12.86	12.98	12.88			
3	QPSK	8	0	12.83	12.91	12.87			
3	QPSK	8	4	12.83	12.75	12.69	14.2	0	
3	QPSK	8	7	12.68	12.76	12.80			
3	QPSK	15	0	12.87	12.98	12.81			
3	16QAM	1	0	12.78	12.95	12.87			
3	16QAM	1	8	12.71	12.77	12.77	14.2	0	
3	16QAM	1	14	12.78	12.81	12.79			
3	16QAM	8	0	12.79	12.82	12.78			
3	16QAM	8	4	12.87	12.87	12.81	14.2	0	
3	16QAM	8	7	12.71	12.74	12.66			
3	16QAM	15	0	12.96	12.92	12.83			
3	64QAM	1	0	12.67	12.82	12.66			
3	64QAM	1	8	12.72	12.75	12.70	14.2	0	
3	64QAM	1	14	12.74	12.95	12.76			
3	64QAM	8	0	12.88	13.00	12.94			
3	64QAM	8	4	12.71	12.74	12.64	14.2	0	
3	64QAM	8	7	12.70	12.84	12.87			
3	64QAM	15	0	12.84	12.97	12.86			
Channel				26047	26340	26683			
Frequency (MHz)									
1.4	QPSK	1	0	12.89	12.94	12.88			
1.4	QPSK	1	3	12.78	12.77	12.65	14.2	0	
1.4	QPSK	1	5	12.84	12.97	12.85			
1.4	QPSK	3	0	12.84	12.97	12.83			
1.4	QPSK	3	1	12.78	12.80	12.65	14.2	0	
1.4	QPSK	3	3	12.68	12.84	12.72			
1.4	QPSK	6	0	12.84	12.90	12.90	14.2	0	
1.4	16QAM	1	0	12.88	12.96	12.86			
1.4	16QAM	1	3	12.76	12.82	12.66	14.2	0	
1.4	16QAM	1	5	12.68	12.85	12.77			
1.4	16QAM	3	0	12.72	12.87	12.80			
1.4	16QAM	3	1	12.77	12.94	12.80	14.2	0	
1.4	16QAM	3	3	12.62	12.82	12.75			
1.4	16QAM	6	0	12.94	12.95	12.89	14.2	0	
1.4	64QAM	1	0	12.78	12.76	12.67			
1.4	64QAM	1	3	12.65	12.74	12.69	14.2	0	
1.4	64QAM	1	5	12.81	12.88	12.80			
1.4	64QAM	3	0	12.92	12.97	12.85			
1.4	64QAM	3	1	12.70	12.84	12.84	14.2	0	
1.4	64QAM	3	3	12.77	12.84	12.84			
1.4	64QAM	6	0	12.77	12.90	12.79	14.2	0	

Band 66 Ant 6 DSI13									
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				132072	132322	132572			
Frequency (MHz)									
20	QPSK	1	0	15.94	15.96	15.86			
20	QPSK	1</							



Band 38 Ant 6 DSI13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	13.79	13.86	13.75	14.9	0		
20	QPSK	1	49	13.65	13.77	13.68				
20	QPSK	1	99	13.63	13.69	13.59	14.9	0		
20	QPSK	50	0	13.71	13.82	13.76				
20	QPSK	50	24	13.65	13.75	13.71	14.9	0		
20	QPSK	50	50	13.74	13.78	13.73				
20	QPSK	100	0	13.66	13.78	13.64	14.9	0		
20	16QAM	1	0	13.70	13.74	13.61				
20	16QAM	1	49	13.69	13.80	13.74	14.9	0		
20	16QAM	1	99	13.57	13.66	13.57				
20	16QAM	50	0	13.64	13.76	13.62	14.9	0		
20	16QAM	50	24	13.61	13.67	13.57				
20	16QAM	50	50	13.76	13.81	13.68	14.9	0		
20	16QAM	100	0	13.71	13.79	13.70				
20	64QAM	1	0	13.62	13.68	13.56	14.9	0		
20	64QAM	1	49	13.77	13.81	13.70				
20	64QAM	1	99	13.69	13.82	13.75	14.9	0		
20	64QAM	50	0	13.60	13.75	13.62				
20	64QAM	50	24	13.69	13.81	13.75	14.9	0		
20	64QAM	50	50	13.67	13.71	13.67				
20	64QAM	100	0	13.71	13.76	13.64				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	13.65	13.80	13.63	14.9	0		
15	QPSK	1	37	13.62	13.74	13.58				
15	QPSK	1	74	13.58	13.58	13.55	14.9	0		
15	QPSK	36	0	13.63	13.72	13.68				
15	QPSK	36	20	13.59	13.60	13.65	14.9	0		
15	QPSK	36	39	13.68	13.67	13.60				
15	QPSK	75	0	13.61	13.63	13.57	14.9	0		
15	16QAM	1	0	13.64	13.59	13.53				
15	16QAM	1	37	13.56	13.67	13.69	14.9	0		
15	16QAM	1	74	13.51	13.51	13.54				
15	16QAM	36	0	13.60	13.63	13.51	14.9	0		
15	16QAM	36	20	13.53	13.61	13.47				
15	16QAM	36	39	13.62	13.72	13.59	14.9	0		
15	16QAM	75	0	13.60	13.68	13.65				
15	64QAM	1	0	13.48	13.64	13.62	14.9	0		
15	64QAM	1	37	13.73	13.69	13.46				
15	64QAM	1	74	13.56	13.77	13.71	14.9	0		
15	64QAM	36	0	13.46	13.67	13.49				
15	64QAM	36	20	13.56	13.75	13.69	14.9	0		
15	64QAM	36	39	13.62	13.64	13.54				
15	64QAM	75	0	13.61	13.65	13.55				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	13.76	13.81	13.67	14.9	0		
10	QPSK	1	25	13.55	13.68	13.58				
10	QPSK	1	49	13.58	13.58	13.51	14.9	0		
10	QPSK	25	0	13.59	13.75	13.70				
10	QPSK	25	12	13.56	13.71	13.58	14.9	0		
10	QPSK	25	25	13.62	13.72	13.69				
10	QPSK	50	0	13.52	13.64	13.59	14.9	0		
10	16QAM	1	0	13.61	13.61	13.47				
10	16QAM	1	25	13.62	13.75	13.70	14.9	0		
10	16QAM	1	49	13.49	13.69	13.48				
10	16QAM	25	0	13.51	13.69	13.48	14.9	0		
10	16QAM	25	12	13.52	13.52	13.53				
10	16QAM	25	25	13.70	13.66	13.61	14.9	0		
10	16QAM	50	0	13.59	13.71	13.61				
10	64QAM	1	0	13.55	13.55	13.46	14.9	0		
10	64QAM	1	25	13.63	13.69	13.66				
10	64QAM	1	49	13.62	13.72	13.71	14.9	0		
10	64QAM	25	0	13.50	13.67	13.48				
10	64QAM	25	12	13.64	13.77	13.72	14.9	0		
10	64QAM	25	25	13.59	13.62	13.59				
10	64QAM	50	0	13.60	13.66	13.54				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	13.72	13.73	13.66	14.9	0		
5	QPSK	1	12	13.60	13.71	13.59				
5	QPSK	1	24	13.54	13.56	13.49	14.9	0		
5	QPSK	12	0	13.67	13.75	13.68				
5	QPSK	12	7	13.58	13.60	13.68	14.9	0		
5	QPSK	12	13	13.63	13.67	13.62				
5	QPSK	25	0	13.62	13.71	13.53	14.9	0		
5	16QAM	1	0	13.64	13.69	13.50				
5	16QAM	1	12	13.64	13.77	13.63	14.9	0		
5	16QAM	1	24	13.49	13.59	13.47				
5	16QAM	12	0	13.53	13.62	13.53	14.9	0		
5	16QAM	12	7	13.56	13.59	13.46				
5	16QAM	12	13	13.64	13.73	13.57	14.9	0		
5	16QAM	25	0	13.62	13.67	13.62				
5	64QAM	1	0	13.55	13.61	13.49	14.9	0		
5	64QAM	1	12	13.69	13.72	13.56				
5	64QAM	1	24	13.65	13.71	13.62	14.9	0		
5	64QAM	12	0	13.51	13.61	13.51				
5	64QAM	12	7	13.63	13.78	13.68	14.9	0		
5	64QAM	12	13	13.63	13.56	13.58				
5	64QAM	25	0	13.68	13.66	13.55				

Band 41 Ant 6 DSI13										
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	13.84	13.77	13.90	13.85	13.88	14.9	0
20	QPSK	1	49	13.76	13.75	13.87	13.77	13.80		
20	QPSK	1	99	13.64	13.64	13.75	13.62	13.70	14.9	0
20	QPSK	50	0	13.77	13.77	13.83	13.73	13.73		
20	QPSK	50	24	13.66	13.73	13.79	13.66	13.70	14.9	0
20	QPSK	50	50	13.58	13.59	13.63	13.60	13.55		
20	QPSK	100	0	13.75	13.76	13.86	13.75	13.82	14.9	0
20	16QAM	1	0	13.84	13.84	13.89	13.84	13.76		
20	16QAM	1	49	13.57	13.59	13.71	13.67	13.64	14.9	0
20	16QAM	1	99	13.68	13.62	13.73	13.58	13.66		
20	16QAM	50	0	13.60	13.63	13.70	13.59	13.57	14.9	0
20	16QAM	50	24	13.57	13.57	13.62	13.58	13.53		
20	16QAM	50	50	13.54	13.52	13.60	13.50	13.47	14.9	0
20	16QAM	100	0	13.67	13.69	13.81	13.71	13.71		
20	64QAM	1	0	13.64	13.66	13.74	13.70	13.68	14.9	0
20	64QAM	1	49	13.63	13.68	13.73	13.67	13.69		
20	64QAM	1	99	13.67	13.61	13.72	13.59	13.64	14.9	0
20	64QAM	50	0	13.67	13.67	13.80	13.65	13.75		
20	64QAM	50	24	13.61	13.62	13.74	13.64	13.67	14.9	0
20	64QAM	50	50	13.48	13.53	13.58	13.50	13.54		
20	64QAM	100	0	13.72	13.73	13.85	13.77	13.74		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	13.72	13.71	13.80	13.80	13.74	14.90	0
15	QPSK	1	37	13.66	13.68	13.83	13.74	13.73		
15	QPSK	1	74	13.57	13.49	13.64	13.52	13.65	14.9	0
15	QPSK	36	0	13.72	13.70	13.71	13.60	13.66		
15	QPSK	36	20	13.55	13.60	13.65	13.61	13.58	14.9	0
15	QPSK	36	39	13.52	13.55	13.55	13.53	13.46		
15	QPSK	75	0	13.71	13.64	13.78	13.65	13.70	14.9	0
15	16QAM	1	0	13.75	13.73	13.77	13.78	13.70		
15	16QAM	1	37	13.52	13.47	13.66	13.56	13.54	14.9	0
15	16QAM	1	74							



Uplink CA Power

Ant 1 DSI 1

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	21.95	23.10
21100	21298	QPSK	1	99	1	0	2	0	22.06	23.10
21350	21152	QPSK	1	0	1	99	2	0	21.90	23.10

Ant1 DSI 1

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	23.46	24.30
37901	38099	QPSK	1	99	1	0	2	0	23.52	24.30
38150	37952	QPSK	1	0	1	99	2	0	23.41	24.30

Ant 1 DSI 3

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	21.88	22.90
21100	21298	QPSK	1	99	1	0	2	0	21.93	22.90
21350	21152	QPSK	1	0	1	99	2	0	21.81	22.90

Ant1 DSI 3

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	22.68	23.50
37901	38099	QPSK	1	99	1	0	2	0	22.71	23.50
38150	37952	QPSK	1	0	1	99	2	0	22.64	23.50

Ant 1 DSI 13

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	18.69	19.70
21100	21298	QPSK	1	99	1	0	2	0	18.67	19.70
21350	21152	QPSK	1	0	1	99	2	0	18.55	19.70

Ant1 DSI 13

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	19.49	20.30
37901	38099	QPSK	1	99	1	0	2	0	19.55	20.30
38150	37952	QPSK	1	0	1	99	2	0	19.45	20.30

Ant 6 DSI 1

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	14.82	15.90
21100	21298	QPSK	1	99	1	0	2	0	14.77	15.90
21350	21152	QPSK	1	0	1	99	2	0	14.85	15.90

Ant6 DSI 1

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	16.96	18.10
37901	38099	QPSK	1	99	1	0	2	0	17.08	18.10
38150	37952	QPSK	1	0	1	99	2	0	16.97	18.10

Ant 6 DSI 3

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	17.92	19.10
21100	21298	QPSK	1	99	1	0	2	0	17.68	19.10
21350	21152	QPSK	1	0	1	99	2	0	17.95	19.10

Ant6 DSI 3

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	19.28	20.30
37901	38099	QPSK	1	99	1	0	2	0	19.41	20.30
38150	37952	QPSK	1	0	1	99	2	0	19.21	20.30

Ant 6 DSI 13

CA_7c										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	11.53	12.70
21100	21298	QPSK	1	99	1	0	2	0	11.58	12.70
21350	21152	QPSK	1	0	1	99	2	0	11.56	12.70

Ant6 DSI 13

CA_38C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	13.80	14.90
37901	38099	QPSK	1	99	1	0	2	0	13.90	14.90
38150	37952	QPSK	1	0	1	99	2	0	13.74	14.90



Ant1 DS11

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.21	24.3
40185	40383	QPSK	1	99	1	0	2	0	23.16	24.3
40620	40818	QPSK	1	99	1	0	2	0	23.37	24.3
41055	41253	QPSK	1	99	1	0	2	0	23.32	24.3
41490	41292	QPSK	1	0	1	99	2	0	23.11	24.3

Ant1 DS13

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	22.22	23.5
40185	40383	QPSK	1	99	1	0	2	0	22.38	23.5
40620	40818	QPSK	1	99	1	0	2	0	22.45	23.5
41055	41253	QPSK	1	99	1	0	2	0	22.31	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.42	23.5

Ant1 DS113

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	19.18	20.3
40185	40383	QPSK	1	99	1	0	2	0	19.03	20.3
40620	40818	QPSK	1	99	1	0	2	0	19.26	20.3
41055	41253	QPSK	1	99	1	0	2	0	19.13	20.3
41490	41292	QPSK	1	0	1	99	2	0	19.22	20.3

Ant6 DS11

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	16.78	18.1
40185	40383	QPSK	1	99	1	0	2	0	16.81	18.1
40620	40818	QPSK	1	99	1	0	2	0	16.98	18.1
41055	41253	QPSK	1	99	1	0	2	0	16.69	18.1
41490	41292	QPSK	1	0	1	99	2	0	16.85	18.1

Ant6 DS13

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	19.06	20.3
40185	40383	QPSK	1	99	1	0	2	0	19.12	20.3
40620	40818	QPSK	1	99	1	0	2	0	19.23	20.3
41055	41253	QPSK	1	99	1	0	2	0	19.11	20.3
41490	41292	QPSK	1	0	1	99	2	0	18.98	20.3

Ant6 DS113

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	13.66	14.9
40185	40383	QPSK	1	99	1	0	2	0	13.75	14.9
40620	40818	QPSK	1	99	1	0	2	0	13.82	14.9
41055	41253	QPSK	1	99	1	0	2	0	13.68	14.9
41490	41292	QPSK	1	0	1	99	2	0	13.8	14.9



Downlink CA Power

2CA DL

CA List	PCC									SCC				Power		
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2C	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.70	23.82
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.17	23.18
CA_5B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		24.46	24.57
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		24.24	24.31
CA_12B	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	712.3	5143		24.74	24.76
	Band 12	Ant2	5M	707.5	23095	QPSK	1	0		Band 12	5M	712.3	5143		24.32	24.45
CA_38C	Band 38	Ant1	15M	2595	38000	QPSK	1	0	4xMIMO	Band 38	15M	2610	38150	4xMIMO	23.53	23.75
	Band 38	Ant6	15M	2595	38000	QPSK	1	0	4xMIMO	Band 38	15M	2610	38150	4xMIMO	22.59	22.61
CA_66C	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	24.05	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	23.26	23.28
CA_4A-4A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		23.88	23.95
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		23.11	23.25
CA_7A-7A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.42	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.39	22.49
CA_2A-5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.66	23.82
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.12	23.18
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.43	24.57
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.13	24.31
CA_2A-12A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		23.75	23.82
	Band 2	Ant6	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		23.02	23.18
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		24.64	24.76
	Band 12	Ant2	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		24.28	24.45
CA_2A-66A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66866	4xMIMO	23.66	23.82
	Band 2	Ant6	10M	1880	18900	QPSK	1	0		Band 66	10M	2155	66866	4xMIMO	23.05	23.18
Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		24.01	24.08	
	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		23.17	23.28	
CA_4A-5A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.88	23.95
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.20	23.25
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.53	24.57
CA_4A-12A	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.12	24.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		23.88	23.95
CA_4A-17A	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		23.11	23.25
	Band 4	Ant1	10M	1732.5	20175	QPSK	1	0		Band 17	10M	740	5790		23.87	23.95
CA_5A-38A	Band 4	Ant6	10M	1732.5	20175	QPSK	1	0		Band 17	10M	740	5790		23.12	23.25
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4xMIMO	24.42	24.57
CA_5A-38A	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4xMIMO	24.20	24.31
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.39	24.57
CA_5A-41A	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.25	24.31
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		23.52	23.59
CA_7A-26A	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		22.36	22.49
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.56	24.61
	Band 26	Ant2	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.27	24.38



3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. Channel (MHz)	Mod.	RB	RB Offset		Band	(MHz)	Freq. Channel (MHz)	Channel		Band	(MHz)	Freq. Channel (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)	
CA_5A_7A_7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.31	24.49	
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.29	24.31	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	23.44	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.38	22.49
CA_2A_7A_7A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.76	23.82	
	Band 2	Ant6	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.10	23.18	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	23.47	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.38	22.49
CA_41D	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.6	40816	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	23.74	23.83
	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.6	40816	4xMIMO	Band 41	20M	2632.6	41016	4xMIMO	22.51	22.63
CA_41A_41A_41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	23.65	23.83
	Band 41	Ant6	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	Band 41	20M	2506	39750	4xMIMO	22.49	22.63
CA_12A-66A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	24.01	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	23.22	23.28



4CA DL

Configure	PCC										SCC1				SCC2				SCC3				Power			
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_7C_66A_66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.48	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.35	22.49
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.98	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.21	23.28
CA_2A_4A-7C	Band 2	Ant1	20M	1890	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.67	23.82
	Band 2	Ant6	20M	1890	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.13	23.18
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		23.88	23.95
	Band 4	Ant6	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		23.12	23.25
CA_5A_7A_66A_66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175		23.51	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1880	900		Band 4	20M	2132.5	2175		22.34	22.49
	Band 5	Ant6	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.38	24.49
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.25	24.31
CA_5A_7C_66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	24.08	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.08	23.28
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.53	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.42	22.49
CA_5A_7C_66A	Band 5	Ant6	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.48	24.49
	Band 5	Ant2	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.21	24.31
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.05	24.08
	Band 66	Ant6	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.09	23.28
CA_5A_7C_66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.41	23.59
	Band 7	Ant6	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	22.32	22.49



Full Power level/Default Power level/ Pmax Power Level for 5GNR

n5 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				168800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.06	24.19	24.13	25.7	0.0
20	PI/2 BPSK	1	53	24.03	24.13	24.05		
20	PI/2 BPSK	1	104	24.13	24.24	24.12		
20	PI/2 BPSK	50	0	24.03	24.16	24.02	25.7	0.0
20	PI/2 BPSK	50	28	24.22	24.17	24.30	25.7	0.0
20	PI/2 BPSK	50	56	24.26	24.28	24.18	25.7	0.0
20	PI/2 BPSK	100	0	24.05	24.13	24.02		
20	QPSK	1	1	24.34	24.37	24.23	25.7	0.0
20	QPSK	1	53	24.03	24.18	24.10		
20	QPSK	1	104	24.12	24.07	24.03		
20	QPSK	50	0	24.01	24.15	24.09	25.7	0.0
20	QPSK	50	28	24.28	24.32	24.19	25.7	0.0
20	QPSK	50	56	24.06	24.11	24.05	25.7	0.0
20	QPSK	100	0	24.13	24.30	24.23		
20	16QAM	1	1	24.10	24.18	24.06	25.7	0.0
20	64QAM	1	1	24.10	24.22	24.08	25.7	0.0
20	256QAM	1	1	21.82	21.82	21.82	23.2	2.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	24.26	24.30	24.20	25.7	0.0
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	24.21	24.28	24.10	25.7	0.0
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	24.29	24.31	24.20	25.7	0.0



n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.78	23.92	23.86	25.5	0.0	
20	PI/2 BPSK	1	53	23.95	24.00	23.98			
20	PI/2 BPSK	1	104	23.92	24.03	23.97			
20	PI/2 BPSK	50	0	23.94	24.06	23.93	25.5	0.0	
20	PI/2 BPSK	50	28	23.92	24.02	23.92	25.5	0.0	
20	PI/2 BPSK	50	56	24.06	24.09	23.96	25.5	0.0	
20	PI/2 BPSK	100	0	23.83	23.93	23.84			
20	QPSK	1	1	24.01	24.12	23.84			
20	QPSK	1	53	23.98	24.10	24.03	25.5	0.0	
20	QPSK	1	104	23.85	23.97	23.85			
20	QPSK	50	0	23.97	24.05	24.02			
20	QPSK	50	28	23.78	23.81	23.72	25.5	0.0	
20	QPSK	50	56	23.75	23.70	23.73	25.5	0.0	
20	QPSK	100	0	23.64	23.77	23.60			
20	16QAM	1	1	23.72	23.79	23.64			
20	64QAM	1	1	23.76	23.72	23.76	25.5	0.0	
20	256QAM	1	1	21.36	21.41	21.34	23.0	2.5	
Channel				501600	507000	512600	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	40	23.86	24.03	23.73	25.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	26	23.84	23.96	23.70	25.5	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	13	23.94	24.00	23.81	25.5	0.0	

n66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.86	23.72	23.89	25.6	0.0	
20	PI/2 BPSK	1	53	23.67	23.68	23.76			
20	PI/2 BPSK	1	104	23.72	23.75	23.89			
20	PI/2 BPSK	50	0	23.70	23.71	23.74	25.6	0.0	
20	PI/2 BPSK	50	28	23.70	23.65	23.63	25.6	0.0	
20	PI/2 BPSK	50	56	23.69	23.73	23.66	25.6	0.0	
20	PI/2 BPSK	100	0	23.64	23.71	23.84			
20	QPSK	1	1	24.05	24.08	23.96			
20	QPSK	1	53	23.65	23.71	23.85	25.6	0.0	
20	QPSK	1	104	23.65	23.66	23.85			
20	QPSK	50	0	23.68	23.72	23.70			
20	QPSK	50	28	23.91	24.04	23.96	25.6	0.0	
20	QPSK	50	56	23.61	23.77	23.88	25.6	0.0	
20	QPSK	100	0	23.92	24.01	23.99			
20	16QAM	1	1	23.86	23.89	23.76			
20	64QAM	1	1	23.63	23.70	23.78	25.6	0.0	
20	256QAM	1	1	21.62	21.67	21.54	23.1	2.5	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	23.89	24.05	23.90	25.6	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	23.90	23.92	23.86	25.6	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	13	23.91	24.01	23.84	25.6	0.0	



n38 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel				516000	516000	522000		
Frequency (MHz)				250	255	260		
20	PI2 BPSK	1	1	21.12	21.26	21.20	22.8	0.0
20	PI2 BPSK	1	36	21.16	21.20	21.14		
20	PI2 BPSK	1	49	21.24	21.35	21.19		
20	PI2 BPSK	25	0	21.23	21.25	21.19	22.8	0.0
20	PI2 BPSK	25	13	21.14	21.22	21.18	22.8	0.0
20	PI2 BPSK	25	36	21.12	21.28	21.22	22.8	0.0
20	PI2 BPSK	50	0	21.21	21.23	21.19	22.8	0.0
20	QPSK	1	1	21.13	21.37	21.23		
20	QPSK	1	26	21.06	21.21	21.16	22.8	0.0
20	QPSK	1	49	21.16	21.27	21.15		
20	QPSK	25	0	21.08	21.19	21.11	22.8	0.0
20	QPSK	25	13	21.28	21.31	21.17	22.8	0.0
20	QPSK	25	36	21.05	21.17	21.10	22.8	0.0
20	QPSK	40	0	21.08	21.16	21.12	22.8	0.0
20	16QAM	1	1	21.02	21.06	21.03	22.8	0.0
20	64QAM	1	1	20.81	20.93	20.84	22.8	0.0
20	256QAM	1	1	18.88	18.86	18.84	20.3	2.5

PC3 n41 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel				509202	518598	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	21.11	21.22	21.17	22.8	0.0
100	PI2 BPSK	1	137	21.13	21.27	21.22		
100	PI2 BPSK	1	271	21.10	21.17	21.13		
100	PI2 BPSK	135	0	21.15	21.29	21.14	22.8	0.0
100	PI2 BPSK	135	69	21.08	21.24	21.16	22.8	0.0
100	PI2 BPSK	135	138	21.07	21.22	21.10		
100	PI2 BPSK	270	0	21.20	21.26	21.21	22.8	0.0
100	QPSK	1	1	21.43	21.58	21.52		
100	QPSK	1	137	21.38	21.49	21.33	22.8	0.0
100	QPSK	1	271	21.33	21.37	21.33		
100	QPSK	135	0	21.10	21.27	21.12	22.8	0.0
100	QPSK	135	69	21.26	21.32	21.19	22.8	0.0
100	QPSK	135	138	21.10	21.22	21.19	22.8	0.0
100	QPSK	270	0	21.12	21.27	21.18	22.8	0.0
100	16QAM	1	1	21.14	21.21	21.12	22.8	0.0
100	64QAM	1	1	21.05	21.12	21.05	22.8	0.0
100	256QAM	1	1	21.12	21.19	21.08	22.8	0.0
Channel				505200	515598	525000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	21.38	21.46	21.40	22.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	109	21.26	21.41	21.49	22.8	0.0
Channel				506200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	21.28	21.43	21.40	22.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	21.33	21.42	21.45	22.8	0.0
Channel				2516.01	2592.99	2670		
Frequency (MHz)				21.33	21.45	21.45	22.8	0.0
40	QPSK	1	53	21.33	21.45	21.45	22.8	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	21.28	21.33	21.40	22.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	21.29	21.41	21.41	22.8	0.0

PC2 n41 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. Freq.	Mid Ch. Freq.	High Ch. Freq.		
Channel				509202	518598	526000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	23.21	23.32	23.19	24.8	0.0
100	PI2 BPSK	1	137	23.03	23.11	23.02		
100	PI2 BPSK	1	271	23.19	23.27	23.20		
100	PI2 BPSK	135	0	23.01	23.16	23.07	24.8	0.0
100	PI2 BPSK	135	69	23.14	23.27	23.19	24.8	0.0
100	PI2 BPSK	135	138	23.15	23.21	23.16		
100	PI2 BPSK	270	0	22.83	23.08	22.99	24.8	0.0
100	QPSK	1	1	23.32	23.40	23.27		
100	QPSK	1	137	23.04	23.09	23.01	24.8	0.0
100	QPSK	1	271	22.89	23.12	22.88		
100	QPSK	135	0	22.88	23.08	22.94	24.8	0.0
100	QPSK	135	69	23.20	23.25	23.16	24.8	0.0
100	QPSK	135	138	23.16	23.22	23.14	24.8	0.0
100	QPSK	270	0	23.04	23.16	23.07	24.8	0.0
100	16QAM	1	1	23.18	23.32	23.20	24.8	0.0
100	64QAM	1	1	23.15	23.27	23.21	24.8	0.0
100	256QAM	1	1	21.37	21.43	21.23	22.8	2.0
Channel				505200	515598	525000		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	23.23	23.26	23.19	24.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2638.02	2692.99	2648.99		
80	QPSK	1	109	23.18	23.29	23.15	24.8	0.0
Channel				506200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	23.25	23.33	23.12	24.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	23.23	23.31	23.20	24.8	0.0
Channel				2516.01	2592.99	2670		
Frequency (MHz)				23.23	23.26	23.12	24.8	0.0
40	QPSK	1	53	23.18	23.26	23.12	24.8	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	23.22	23.30	23.34	24.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	23.21	23.25	23.20	24.8	0.0



n5 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	841		
20	PI/2 BPSK	1	1	23.81	23.98	23.94	25.7	0.0
20	PI/2 BPSK	1	53	23.94	24.02	23.98		
20	PI/2 BPSK	1	104	23.82	23.90	23.76		
20	PI/2 BPSK	50	0	24.00	24.07	24.00		
20	PI/2 BPSK	50	28	23.86	24.02	23.86		
20	PI/2 BPSK	50	56	23.92	23.94	23.88		
20	PI/2 BPSK	100	0	23.90	24.05	24.03	25.7	0.0
20	QPSK	1	1	24.04	24.12	23.99	25.7	0.0
20	QPSK	1	53	23.85	23.98	23.90		
20	QPSK	1	104	23.72	23.80	23.83		
20	QPSK	50	0	23.76	23.72	23.75		
20	QPSK	50	28	24.02	24.08	24.05		
20	QPSK	50	56	23.89	23.98	23.83		
20	QPSK	100	0	23.74	23.78	23.74	25.7	0.0
20	16QAM	1	1	23.74	23.92	23.83	25.7	0.0
20	64QAM	1	1	24.00	24.08	23.98	25.7	0.0
20	256QAM	1	1	21.34	21.46	21.36	23.2	2.5
Channel				166800	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.86	24.03	23.93	25.7	0.0
Channel				165300	167300	168300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.93	24.00	23.90	25.7	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.93	23.98	23.84	25.7	0.0



n7 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.69	23.71	23.55	25.5	0.0
20	PI/2 BPSK	1	53	23.63	23.77	23.63		
20	PI/2 BPSK	1	104	23.57	23.65	23.62		
20	PI/2 BPSK	50	0	23.59	23.67	23.53	25.5	0.0
20	PI/2 BPSK	50	28	23.61	23.74	23.59	25.5	0.0
20	PI/2 BPSK	50	56	23.65	23.80	23.78	25.5	0.0
20	PI/2 BPSK	100	0	23.60	23.62	23.59		
20	QPSK	1	1	23.77	23.82	23.71		
20	QPSK	1	53	23.57	23.69	23.66	25.5	0.0
20	QPSK	1	104	23.61	23.75	23.67		
20	QPSK	50	0	23.69	23.78	23.68		
20	QPSK	50	28	23.72	23.75	23.60	25.5	0.0
20	QPSK	50	56	23.64	23.60	23.54	25.5	0.0
20	QPSK	100	0	23.66	23.71	23.63		
20	16QAM	1	1	23.58	23.64	23.61		
20	64QAM	1	1	23.54	23.63	23.61	25.5	0.0
20	256QAM	1	1	21.13	21.24	21.13	23.0	2.5
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	23.65	23.66	23.59	25.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	23.66	23.76	23.53	25.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	23.65	23.65	23.59	25.5	0.0



n38 Ant5 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 516000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 522000	MPR (dB)
20	PI2 BPSK	1	1	23.67	23.79	23.74	0.0
20	PI2 BPSK	1	26	23.72	23.84	23.81	25.5
20	PI2 BPSK	1	49	23.96	23.99	23.88	25.5
20	PI2 BPSK	25	0	23.65	23.78	23.62	25.5
20	PI2 BPSK	25	13	23.70	23.85	23.73	25.5
20	PI2 BPSK	25	26	23.85	23.92	23.84	25.5
20	PI2 BPSK	90	0	23.72	23.89	23.80	25.5
20	QPSK	1	1	23.94	24.03	23.89	0.0
20	QPSK	1	26	23.90	23.71	23.54	25.5
20	QPSK	1	49	23.84	23.93	23.83	25.5
20	QPSK	25	0	23.80	23.87	23.80	25.5
20	QPSK	25	13	23.85	23.89	23.74	25.5
20	QPSK	25	26	23.69	23.80	23.63	25.5
20	QPSK	90	0	23.78	23.92	23.86	25.5
20	16QAM	1	1	23.82	23.87	23.70	25.5
20	64QAM	1	1	23.57	23.74	23.64	25.5
20	256QAM	1	1	21.68	21.71	21.69	23.0

PC3 n41 Ant5 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	23.84	23.90	23.87	0.0
100	PI2 BPSK	1	137	23.92	24.05	23.96	25.5
100	PI2 BPSK	1	271	23.90	23.98	23.82	25.5
100	PI2 BPSK	135	0	23.99	24.02	23.99	25.5
100	PI2 BPSK	135	69	24.01	24.03	23.98	25.5
100	PI2 BPSK	135	138	23.85	24.04	23.87	25.5
100	PI2 BPSK	270	0	23.93	24.01	23.92	25.5
100	QPSK	1	1	23.98	24.12	24.00	0.0
100	QPSK	1	137	23.84	23.98	23.86	25.5
100	QPSK	1	271	23.86	23.90	23.76	25.5
100	QPSK	135	0	23.93	24.04	23.92	25.5
100	QPSK	135	69	24.05	24.08	23.97	25.5
100	QPSK	135	138	23.86	23.82	23.64	25.5
100	QPSK	270	0	23.71	23.84	23.69	25.5
100	16QAM	1	1	23.85	24.01	23.84	25.5
100	64QAM	1	1	23.78	23.87	23.85	25.5
100	256QAM	1	1	23.76	23.91	23.87	25.5
90	QPSK	1	123	23.87	23.97	23.91	25.5
80	QPSK	1	109	23.93	24.10	23.87	25.5
60	QPSK	1	81	23.95	24.00	23.82	25.5
50	QPSK	1	67	23.94	24.02	23.84	25.5
40	QPSK	1	53	23.85	23.98	23.90	25.5
30	QPSK	1	39	23.80	23.82	23.90	25.5
20	QPSK	1	26	23.91	24.02	23.98	25.5

PC2 n41 Ant5 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	23.84	24.01	23.89	0.0
100	PI2 BPSK	1	137	23.88	23.97	23.81	27.5
100	PI2 BPSK	1	271	23.81	23.98	23.82	27.5
100	PI2 BPSK	135	0	23.92	24.01	23.93	27.5
100	PI2 BPSK	135	69	23.96	24.02	23.93	27.5
100	PI2 BPSK	135	138	23.78	23.93	23.79	27.5
100	PI2 BPSK	270	0	23.81	23.95	23.85	27.5
100	QPSK	1	1	23.90	24.06	23.97	0.0
100	QPSK	1	137	23.81	23.93	23.83	27.5
100	QPSK	1	271	23.82	23.85	23.81	27.5
100	QPSK	135	0	23.89	23.98	23.75	27.5
100	QPSK	135	69	23.88	24.01	23.88	27.5
100	QPSK	135	138	23.83	23.95	23.67	27.5
100	QPSK	270	0	23.76	23.77	23.64	27.5
100	16QAM	1	1	23.63	23.79	23.64	27.5
100	64QAM	1	1	23.65	23.79	23.71	26.5
100	256QAM	1	1	23.70	23.85	23.82	26.5
90	QPSK	1	123	23.87	23.79	23.70	27.5
80	QPSK	1	109	23.94	23.84	23.78	27.5
60	QPSK	1	81	23.74	23.83	23.75	27.5
50	QPSK	1	67	23.69	23.82	23.71	27.5
40	QPSK	1	53	23.75	23.83	23.76	27.5
30	QPSK	1	39	23.77	23.90	23.88	27.5
20	QPSK	1	26	23.70	23.88	23.71	27.5



n7 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.69	23.73	23.61	24.5	0.0	
20	PI/2 BPSK	1	53	23.77	23.87	23.73			
20	PI/2 BPSK	1	104	23.75	23.91	23.75			
20	PI/2 BPSK	50	0	23.27	23.41	23.24	24.5	0.0	
20	PI/2 BPSK	50	28	23.75	23.87	23.70	24.5	0.0	
20	PI/2 BPSK	50	56	23.39	23.45	23.32	24.5	0.0	
20	PI/2 BPSK	100	0	23.30	23.40	23.27	24.5	0.0	
20	QPSK	1	1	23.79	23.97	23.92	24.5	0.0	
20	QPSK	1	53	23.56	23.70	23.64			
20	QPSK	1	104	23.61	23.77	23.68			
20	QPSK	50	0	23.33	23.39	23.35	24.5	0.0	
20	QPSK	50	28	23.78	23.93	23.89	24.5	0.0	
20	QPSK	50	56	23.37	23.42	23.32	24.5	0.0	
20	QPSK	100	0	23.30	23.48	23.40	24.5	0.0	
20	16QAM	1	1	23.63	23.78	23.64	24.5	0.0	
20	64QAM	1	1	23.33	23.47	23.31	24.5	0.0	
20	256QAM	1	1	20.25	20.36	20.21	22.0	2.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	40	23.63	23.88	23.80	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0.0	
10	QPSK	1	26	23.70	23.86	23.87	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0	
5	QPSK	1	13	23.74	23.79	23.81	24.5	0.0	

n66 Ant6 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.78	23.84	23.70	24.9	0.0	
20	PI/2 BPSK	1	53	23.91	24.08	23.94			
20	PI/2 BPSK	1	104	23.96	24.11	23.94			
20	PI/2 BPSK	50	0	23.86	23.94	23.81	24.9	0.0	
20	PI/2 BPSK	50	28	23.87	23.99	23.84	24.9	0.0	
20	PI/2 BPSK	50	56	24.03	24.07	23.94	24.9	0.0	
20	PI/2 BPSK	100	0	23.90	23.92	23.80	24.9	0.0	
20	QPSK	1	1	23.99	24.14	23.98	24.9	0.0	
20	QPSK	1	53	23.98	24.07	23.94			
20	QPSK	1	104	23.97	24.02	23.93			
20	QPSK	50	0	23.86	23.96	23.81	24.9	0.0	
20	QPSK	50	28	23.91	24.09	24.04	24.9	0.0	
20	QPSK	50	56	23.80	23.97	23.93	24.9	0.0	
20	QPSK	100	0	23.98	24.02	23.86	24.9	0.0	
20	16QAM	1	1	23.98	24.03	23.87	24.9	0.0	
20	64QAM	1	1	23.63	23.97	23.63	24.9	0.0	
20	256QAM	1	1	21.23	21.28	21.18	22.4	2.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.9	0.0	
15	QPSK	1	40	23.89	24.04	23.98	24.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.9	0.0	
10	QPSK	1	26	23.91	24.01	23.93	24.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.9	0.0	
5	QPSK	1	13	23.88	23.99	23.83	24.9	0.0	



n38 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 516000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 522000	MPR (dB)
20	PI2 BPSK	1	1	20.27	20.30	20.32	0.0
20	PI2 BPSK	1	26	20.16	20.22	20.17	0.0
20	PI2 BPSK	1	49	20.32	20.45	20.33	0.0
20	PI2 BPSK	25	0	20.09	20.15	20.05	0.0
20	PI2 BPSK	25	13	20.12	20.27	20.18	0.0
20	PI2 BPSK	25	26	20.17	20.25	20.20	0.0
20	PI2 BPSK	60	0	20.17	20.31	20.21	0.0
20	QPSK	1	1	20.41	20.46	20.43	0.0
20	QPSK	1	26	20.26	20.42	20.13	0.0
20	QPSK	1	49	20.22	20.36	20.25	0.0
20	QPSK	25	0	20.21	20.34	20.28	0.0
20	QPSK	25	13	20.28	20.41	20.30	0.0
20	QPSK	25	26	20.13	20.23	20.16	0.0
20	QPSK	60	0	20.19	20.33	20.23	0.0
20	16QAM	1	1	20.10	20.17	20.11	0.0
20	64QAM	1	1	20.13	20.25	20.18	0.0
20	256QAM	1	1	18.26	18.24	18.14	2.5

PC3 n41 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	20.22	20.36	20.32	0.0
100	PI2 BPSK	1	137	20.35	20.44	20.33	0.0
100	PI2 BPSK	1	271	20.14	20.28	20.18	0.0
100	PI2 BPSK	135	0	20.42	20.45	20.30	0.0
100	PI2 BPSK	135	69	20.34	20.48	20.34	0.0
100	PI2 BPSK	135	138	20.16	20.34	20.29	0.0
100	PI2 BPSK	270	0	20.29	20.37	20.20	0.0
100	QPSK	1	1	20.46	20.51	20.43	0.0
100	QPSK	1	137	20.43	20.45	20.35	0.0
100	QPSK	1	271	20.15	20.20	20.15	0.0
100	QPSK	135	0	20.35	20.39	20.24	0.0
100	QPSK	135	69	20.26	20.41	20.27	0.0
100	QPSK	135	138	20.29	20.38	20.32	0.0
100	QPSK	270	0	20.37	20.38	20.35	0.0
100	16QAM	1	1	20.22	20.30	20.23	0.0
100	64QAM	1	1	20.24	20.41	20.25	0.0
100	256QAM	1	1	20.33	20.38	20.25	0.0
90	QPSK	1	123	20.37	20.47	20.31	0.0
80	QPSK	1	109	20.30	20.40	20.36	0.0
60	QPSK	1	81	20.38	20.42	20.27	0.0
50	QPSK	1	67	20.33	20.49	20.37	0.0
40	QPSK	1	53	20.34	20.46	20.37	0.0
30	QPSK	1	39	20.55	20.46	20.33	0.0
20	QPSK	1	26	20.43	20.45	20.41	0.0

PC2 n41 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518998	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	22.27	22.39	22.24	0.0
100	PI2 BPSK	1	137	22.23	22.36	22.22	0.0
100	PI2 BPSK	1	271	22.20	22.27	22.18	0.0
100	PI2 BPSK	135	0	22.29	22.41	22.31	0.0
100	PI2 BPSK	135	69	22.36	22.43	22.28	0.0
100	PI2 BPSK	135	138	22.25	22.44	22.37	0.0
100	PI2 BPSK	270	0	22.31	22.45	22.35	0.0
100	QPSK	1	1	22.45	22.53	22.44	0.0
100	QPSK	1	137	22.43	22.35	22.27	0.0
100	QPSK	1	271	22.13	22.29	22.17	0.0
100	QPSK	135	0	22.31	22.42	22.35	0.0
100	QPSK	135	69	22.35	22.43	22.30	0.0
100	QPSK	135	138	22.24	22.36	22.20	0.0
100	QPSK	270	0	22.16	22.33	22.17	0.0
100	16QAM	1	1	22.26	22.41	22.27	0.0
100	64QAM	1	1	22.15	22.29	22.15	0.0
100	256QAM	1	1	20.42	20.86	20.41	2.0
90	QPSK	1	123	22.17	22.22	22.17	0.0
80	QPSK	1	109	22.17	22.31	22.10	0.0
60	QPSK	1	81	22.21	22.29	22.20	0.0
50	QPSK	1	67	22.15	22.30	22.18	0.0
40	QPSK	1	53	22.17	22.28	22.17	0.0
30	QPSK	1	39	22.20	22.39	22.22	0.0
20	QPSK	1	26	22.18	22.29	22.15	0.0



n38 Ant9 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 516000	Power Middle Ch. / Freq. 519000	Power High Ch. / Freq. 522000	MPR (dB)
20	PI2 BPSK	1	1	21.69	21.83	21.78	0.0
20	PI2 BPSK	1	26	21.60	21.68	21.62	23.3
20	PI2 BPSK	1	49	21.81	21.93	21.80	0.0
20	PI2 BPSK	25	0	21.44	21.59	21.45	23.3
20	PI2 BPSK	25	13	21.66	21.70	21.64	23.3
20	PI2 BPSK	25	26	21.75	21.79	21.64	0.0
20	PI2 BPSK	90	0	21.64	21.69	21.58	23.3
20	QPSK	1	1	21.87	21.97	21.89	0.0
20	QPSK	1	26	21.90	21.96	21.91	23.3
20	QPSK	1	49	21.97	21.71	21.92	0.0
20	QPSK	25	0	21.43	21.57	21.54	23.3
20	QPSK	25	13	21.56	21.77	21.56	23.3
20	QPSK	25	26	21.63	21.70	21.73	0.0
20	QPSK	90	0	21.63	21.69	21.61	23.3
20	16QAM	1	1	21.57	21.59	21.48	23.3
20	64QAM	1	1	21.63	21.68	21.58	23.3
20	256QAM	1	1	19.81	19.86	19.77	20.8

PC3 n41 Ant6 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	21.76	21.85	21.81	0.0
100	PI2 BPSK	1	137	21.85	21.92	21.84	23.3
100	PI2 BPSK	1	271	21.74	21.82	21.73	0.0
100	PI2 BPSK	135	0	21.87	21.89	21.81	23.3
100	PI2 BPSK	135	69	21.85	21.93	21.87	23.3
100	PI2 BPSK	135	138	21.79	21.86	21.72	0.0
100	PI2 BPSK	270	0	21.68	21.84	21.82	23.3
100	QPSK	1	1	21.94	22.11	21.98	0.0
100	QPSK	1	137	21.90	21.97	21.87	23.3
100	QPSK	1	271	21.81	21.85	21.74	0.0
100	QPSK	135	0	21.68	21.84	21.74	23.3
100	QPSK	135	69	21.81	21.92	21.75	23.3
100	QPSK	135	138	21.74	21.81	21.71	23.3
100	QPSK	270	0	21.79	21.86	21.87	0.0
100	16QAM	1	1	21.82	21.77	21.75	23.3
100	64QAM	1	1	21.66	21.84	21.74	23.3
100	256QAM	1	1	21.94	22.02	21.95	23.3
90	QPSK	1	123	21.89	22.07	21.90	23.3
80	QPSK	1	109	21.86	22.01	21.90	23.3
60	QPSK	1	81	21.82	21.97	21.91	23.3
50	QPSK	1	67	21.91	21.93	21.81	23.3
40	QPSK	1	53	21.84	22.09	21.89	23.3
30	QPSK	1	39	21.90	22.00	22.03	23.3
20	QPSK	1	26	21.86	21.95	21.90	23.3

PC2 n41 Ant9 Default							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 509002	Power Middle Ch. / Freq. 518598	Power High Ch. / Freq. 528000	MPR (dB)
100	PI2 BPSK	1	1	23.59	23.72	23.62	0.0
100	PI2 BPSK	1	137	23.66	23.74	23.60	25.2
100	PI2 BPSK	1	271	23.60	23.68	23.58	0.0
100	PI2 BPSK	135	0	23.60	23.72	23.64	25.2
100	PI2 BPSK	135	69	23.68	23.76	23.65	25.2
100	PI2 BPSK	135	138	23.57	23.67	23.55	25.2
100	PI2 BPSK	270	0	23.61	23.63	23.56	25.2
100	QPSK	1	1	23.79	23.85	23.73	0.0
100	QPSK	1	137	23.73	23.80	23.73	25.2
100	QPSK	1	271	23.63	23.63	23.53	0.0
100	QPSK	135	0	23.69	23.75	23.64	25.2
100	QPSK	135	69	23.65	23.71	23.62	25.2
100	QPSK	135	138	23.60	23.68	23.59	25.2
100	QPSK	270	0	23.59	23.67	23.59	25.2
100	16QAM	1	1	23.58	23.64	23.51	25.2
100	64QAM	1	1	23.51	23.53	23.52	25.2
100	256QAM	1	1	21.75	21.85	21.80	23.2
90	QPSK	1	123	23.57	23.66	23.56	25.2
80	QPSK	1	109	23.58	23.66	23.59	25.2
60	QPSK	1	81	23.61	23.70	23.59	25.2
50	QPSK	1	67	23.59	23.71	23.56	25.2
40	QPSK	1	53	23.60	23.65	23.59	25.2
30	QPSK	1	39	23.62	23.70	23.61	25.2
20	QPSK	1	26	23.59	23.69	23.53	25.2



Reduced Power level for DSI 1

n5 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167600			
Frequency (MHz)				831	836.5	839			
20	PI/2 BPSK	1	1	24.06	24.19	24.13	25.7	0.0	
20	PI/2 BPSK	1	53	24.03	24.13	24.05			
20	PI/2 BPSK	1	104	24.13	24.24	24.12			
20	PI/2 BPSK	50	0	24.03	24.16	24.02	25.7	0.0	
20	PI/2 BPSK	50	28	24.22	24.17	24.30	25.7	0.0	
20	PI/2 BPSK	50	56	24.26	24.28	24.18	25.7	0.0	
20	PI/2 BPSK	100	0	24.05	24.13	24.02			
20	QPSK	1	1	24.34	24.37	24.23	25.7	0.0	
20	QPSK	1	53	24.03	24.18	24.10			
20	QPSK	1	104	24.12	24.07	24.03			
20	QPSK	50	0	24.01	24.15	24.09	25.7	0.0	
20	QPSK	50	28	24.28	24.32	24.19	25.7	0.0	
20	QPSK	50	56	24.06	24.11	24.05	25.7	0.0	
20	QPSK	100	0	24.13	24.30	24.23			
20	16QAM	1	1	24.10	24.18	24.06	25.7	0.0	
20	64QAM	1	1	24.10	24.22	24.08	25.7	0.0	
20	256QAM	1	1	21.82	21.82	21.82	23.2	2.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	40	24.26	24.30	24.20	25.7	0.0	
Channel				165800	167300	168600	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	26	24.21	24.28	24.10	25.7	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	13	24.29	24.31	24.20	25.7	0.0	



n7 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	20.53	20.47	20.55	21.9	0.0	
20	PI/2 BPSK	1	53	20.51	20.69	20.60			
20	PI/2 BPSK	1	104	20.55	20.66	20.56			
20	PI/2 BPSK	50	0	20.42	20.55	20.62	21.9	0.0	
20	PI/2 BPSK	50	28	20.64	20.54	20.51	21.9	0.0	
20	PI/2 BPSK	50	56	20.39	20.55	20.64	21.9	0.0	
20	PI/2 BPSK	100	0	20.44	20.60	20.50			
20	QPSK	1	1	20.68	20.71	20.52			
20	QPSK	1	53	20.55	20.51	20.50	21.9	0.0	
20	QPSK	1	104	20.56	20.47	20.69			
20	QPSK	50	0	20.29	20.59	20.57			
20	QPSK	50	28	20.58	20.67	20.66	21.9	0.0	
20	QPSK	50	56	20.40	20.54	20.57	21.9	0.0	
20	QPSK	100	0	20.60	20.66	20.62			
20	16QAM	1	1	20.45	20.52	20.68			
20	64QAM	1	1	20.48	20.36	20.60	21.9	0.0	
20	256QAM	1	1	20.43	20.50	20.58	21.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	20.46	20.56	20.43	21.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	20.39	20.52	20.46	21.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	20.41	20.57	20.35	21.9	0.0	

n66 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	23.86	23.72	23.89	25.6	0.0	
20	PI/2 BPSK	1	53	23.67	23.68	23.76			
20	PI/2 BPSK	1	104	23.72	23.75	23.69			
20	PI/2 BPSK	50	0	23.70	23.71	23.74	25.6	0.0	
20	PI/2 BPSK	50	28	23.70	23.65	23.63	25.6	0.0	
20	PI/2 BPSK	50	56	23.69	23.73	23.66	25.6	0.0	
20	PI/2 BPSK	100	0	23.64	23.71	23.84			
20	QPSK	1	1	24.05	24.08	23.96			
20	QPSK	1	53	23.65	23.71	23.85	25.6	0.0	
20	QPSK	1	104	23.65	23.66	23.85			
20	QPSK	50	0	23.68	23.72	23.70			
20	QPSK	50	28	23.91	24.04	23.96	25.6	0.0	
20	QPSK	50	56	23.61	23.77	23.88	25.6	0.0	
20	QPSK	100	0	23.92	24.01	23.99			
20	16QAM	1	1	23.86	23.89	23.76			
20	64QAM	1	1	23.63	23.70	23.78	25.6	0.0	
20	256QAM	1	1	21.62	21.67	21.54	23.1	2.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	23.89	24.05	23.90	25.6	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	23.90	23.92	23.86	25.6	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	23.91	24.01	23.84	25.6	0.0	



n38 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	20.15	19.89	20.01	21.4	0.0
20	PI/2 BPSK	1	26	19.95	20.13	20.11		
20	PI/2 BPSK	1	49	19.92	19.92	19.91		
20	PI/2 BPSK	25	0	19.68	19.95	19.90	21.4	0.0
20	PI/2 BPSK	25	13	19.90	19.99	20.04	21.4	0.0
20	PI/2 BPSK	25	26	19.74	19.95	19.99	21.4	0.0
20	PI/2 BPSK	50	0	19.89	20.02	20.07		
20	QPSK	1	1	19.99	20.20	19.96	21.4	0.0
20	QPSK	1	26	20.05	19.98	19.93		
20	QPSK	1	49	19.77	19.92	19.97		
20	QPSK	25	0	19.71	19.99	20.09	21.4	0.0
20	QPSK	25	13	19.91	20.19	19.96	21.4	0.0
20	QPSK	25	26	19.93	19.88	19.78	21.4	0.0
20	QPSK	50	0	19.96	20.06	19.92		
20	16QAM	1	1	19.98	19.99	20.11	21.4	0.0
20	64QAM	1	1	20.08	19.86	20.00	21.4	0.0
20	256QAM	1	1	19.57	19.58	19.67	21.4	0.0

PC2&3 n41 Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.44	19.55	19.47	21.4	0.0
100	PI/2 BPSK	1	137	19.46	19.58	19.43		
100	PI/2 BPSK	1	271	19.48	19.45	19.45		
100	PI/2 BPSK	135	0	19.54	19.69	19.54	21.4	0.0
100	PI/2 BPSK	135	69	19.52	19.68	19.56	21.4	0.0
100	PI/2 BPSK	135	138	19.49	19.81	19.49	21.4	0.0
100	PI/2 BPSK	270	0	19.44	19.59	19.46		
100	QPSK	1	1	19.69	19.82	19.65	21.4	0.0
100	QPSK	1	137	19.48	19.67	19.56		
100	QPSK	1	271	19.46	19.49	19.43		
100	QPSK	135	0	19.50	19.62	19.47	21.4	0.0
100	QPSK	135	69	19.50	19.69	19.55	21.4	0.0
100	QPSK	135	138	19.49	19.62	19.51	21.4	0.0
100	QPSK	270	0	19.48	19.65	19.52		
100	16QAM	1	1	19.57	19.69	19.55	21.4	0.0
100	64QAM	1	1	19.48	19.65	19.50	21.4	0.0
100	256QAM	1	1	19.57	19.72	19.64	21.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	19.47	19.49	19.42	21.4	0.0
Channel				507204	518598	529398	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2638.02	2592.99	2649.99		
80	QPSK	1	109	19.46	19.50	19.44	21.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	19.45	19.53	19.45	21.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	67	19.48	19.51	19.44	21.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	19.33	19.49	19.34	21.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	19.40	19.33	19.52	21.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	19.43	19.47	19.44	21.4	0.0



n5 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	21.70	21.87	21.83	23.6	0.0
20	PI/2 BPSK	1	53	21.78	21.84	21.78		
20	PI/2 BPSK	1	104	21.65	21.74	21.69		
20	PI/2 BPSK	50	0	21.77	21.91	21.82		
20	PI/2 BPSK	50	28	21.81	21.85	21.77		
20	PI/2 BPSK	50	56	21.69	21.76	21.71		
20	PI/2 BPSK	100	0	21.73	21.89	21.81	23.6	0.0
20	QPSK	1	1	22.19	22.23	22.18	23.6	0.0
20	QPSK	1	53	21.75	21.82	21.88		
20	QPSK	1	104	21.75	21.81	21.78		
20	QPSK	50	0	21.90	21.94	21.88		
20	QPSK	50	28	21.98	22.10	21.93		
20	QPSK	50	56	21.76	21.79	21.61		
20	QPSK	100	0	21.78	21.88	21.81	23.6	0.0
20	16QAM	1	1	21.70	21.81	21.70	23.6	0.0
20	64QAM	1	1	21.94	22.07	21.97	23.6	0.0
20	256QAM	1	1	21.93	22.09	22.00	23.6	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.17	22.07	22.05	23.6	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.15	22.13	22.12	23.6	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.16	22.18	22.11	23.6	0.0



n7 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.74	16.81	16.63	18.6	0.0
20	PI/2 BPSK	1	53	16.65	16.89	16.77		
20	PI/2 BPSK	1	104	16.72	16.94	16.79		
20	PI/2 BPSK	50	0	16.72	16.81	16.76	18.6	0.0
20	PI/2 BPSK	50	28	16.67	16.77	16.80	18.6	0.0
20	PI/2 BPSK	50	56	16.87	16.89	16.63	18.6	0.0
20	PI/2 BPSK	100	0	16.71	16.93	16.69		
20	QPSK	1	1	16.71	17.07	16.72		
20	QPSK	1	53	16.85	16.66	16.76	18.6	0.0
20	QPSK	1	104	16.61	16.88	16.66		
20	QPSK	50	0	16.67	16.67	16.73		
20	QPSK	50	28	16.74	16.82	16.79	18.6	0.0
20	QPSK	50	56	16.72	16.82	16.84	18.6	0.0
20	QPSK	100	0	16.59	16.79	16.74		
20	16QAM	1	1	16.88	16.76	16.74		
20	64QAM	1	1	16.65	16.72	16.81	18.6	0.0
20	256QAM	1	1	16.71	16.73	16.83	18.6	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	16.63	16.91	16.63	18.6	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	16.67	17.05	16.70	18.6	0.0
Channel				500900	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	16.56	17.01	16.55	18.6	0.0



n38 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.00	16.80	16.82	18.6	0.0
20	PI/2 BPSK	1	26	16.97	16.98	16.90		
20	PI/2 BPSK	1	49	17.01	17.09	16.89	18.6	0.0
20	PI/2 BPSK	25	0	16.84	16.82	17.01		
20	PI/2 BPSK	25	13	16.87	16.89	17.00	18.6	0.0
20	PI/2 BPSK	25	26	16.98	17.08	16.80		
20	PI/2 BPSK	50	0	16.89	16.96	17.11	18.6	0.0
20	QPSK	1	1	16.88	17.12	16.92		
20	QPSK	1	26	16.97	17.08	16.90	18.6	0.0
20	QPSK	1	49	17.00	16.99	16.96		
20	QPSK	25	0	16.89	16.95	16.66	18.6	0.0
20	QPSK	25	13	16.83	17.09	16.93		
20	QPSK	25	26	16.91	16.98	16.94	18.6	0.0
20	QPSK	50	0	16.96	17.02	16.93		
20	16QAM	1	1	17.09	17.05	17.00	18.6	0.0
20	64QAM	1	1	16.90	17.01	16.96		
20	256QAM	1	1	16.99	16.85	16.87	18.6	0.0

PC2&3 n41 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.44	16.71	16.51	18.2	0.0
100	PI/2 BPSK	1	137	16.65	16.70	16.64		
100	PI/2 BPSK	1	271	16.55	16.66	16.48	18.2	0.0
100	PI/2 BPSK	135	0	16.68	16.69	16.41		
100	PI/2 BPSK	135	69	16.67	16.65	16.56	18.2	0.0
100	PI/2 BPSK	135	138	16.57	16.82	16.57		
100	PI/2 BPSK	270	0	16.48	16.65	16.52	18.2	0.0
100	QPSK	1	1	16.65	16.76	16.64		
100	QPSK	1	137	16.50	16.66	16.49	18.2	0.0
100	QPSK	1	271	16.52	16.68	16.57		
100	QPSK	135	0	16.59	16.62	16.60	18.2	0.0
100	QPSK	135	69	16.55	16.71	16.57		
100	QPSK	135	138	16.50	16.56	16.56	18.2	0.0
100	QPSK	270	0	16.50	16.70	16.50		
100	16QAM	1	1	16.61	16.58	16.65	18.2	0.0
100	64QAM	1	1	16.54	16.61	16.59		
100	256QAM	1	1	16.59	16.51	16.47	18.2	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.61	16.51	16.63	18.2	0.0
Channel				507204	518598	529398		
Frequency (MHz)				2638.02	2592.99	2649.99		
80	QPSK	1	109	16.50	16.61	16.71	18.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.54	16.49	16.61	18.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.57	16.48	16.70	18.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.61	16.51	16.60	18.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.65	16.57	16.43	18.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.53	16.47	16.60	18.2	0.0



n7 Ant6 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	14.99	14.91	15.00	16.1	0.0	
20	PI/2 BPSK	1	53	14.93	15.09	14.85			
20	PI/2 BPSK	1	104	14.91	15.13	14.82			
20	PI/2 BPSK	50	0	14.91	14.93	15.02	16.1	0.0	
20	PI/2 BPSK	50	28	14.87	15.09	14.85	16.1	0.0	
20	PI/2 BPSK	50	56	15.00	15.07	15.08	16.1	0.0	
20	PI/2 BPSK	100	0	15.11	14.92	15.01	16.1	0.0	
20	QPSK	1	1	15.06	15.18	15.02	16.1	0.0	
20	QPSK	1	53	14.87	15.07	14.92			
20	QPSK	1	104	14.89	14.84	15.11			
20	QPSK	50	0	14.74	14.96	14.94	16.1	0.0	
20	QPSK	50	28	14.94	15.11	14.96	16.1	0.0	
20	QPSK	50	56	14.80	15.05	15.01	16.1	0.0	
20	QPSK	100	0	14.89	15.09	15.03	16.1	0.0	
20	16QAM	1	1	15.00	14.98	14.82	16.1	0.0	
20	64QAM	1	1	14.94	14.97	14.98	16.1	0.0	
20	256QAM	1	1	14.95	15.02	14.90	16.1	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	14.82	15.01	14.88	16.1	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	14.79	15.05	14.99	16.1	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	14.80	14.97	14.96	16.1	0.0	

n66 Ant6 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	18.47	18.38	18.27	20.0	0.0	
20	PI/2 BPSK	1	53	18.37	18.37	18.49			
20	PI/2 BPSK	1	104	18.43	18.48	18.28			
20	PI/2 BPSK	50	0	18.31	18.40	18.45	20.0	0.0	
20	PI/2 BPSK	50	28	18.25	18.54	18.27	20.0	0.0	
20	PI/2 BPSK	50	56	18.39	18.53	18.48	20.0	0.0	
20	PI/2 BPSK	100	0	18.42	18.46	18.41	20.0	0.0	
20	QPSK	1	1	18.50	18.56	18.31	20.0	0.0	
20	QPSK	1	53	18.43	18.54	18.55			
20	QPSK	1	104	18.44	18.55	18.50			
20	QPSK	50	0	18.50	18.50	18.46	20.0	0.0	
20	QPSK	50	28	18.44	18.51	18.42	20.0	0.0	
20	QPSK	50	56	18.44	18.50	18.46	20.0	0.0	
20	QPSK	100	0	18.31	18.47	18.41	20.0	0.0	
20	16QAM	1	1	18.37	18.57	18.45	20.0	0.0	
20	64QAM	1	1	18.48	18.53	18.36	20.0	0.0	
20	256QAM	1	1	18.37	18.58	18.45	20.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	18.40	18.59	18.49	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	18.38	18.52	18.51	20.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	18.25	18.58	18.40	20.0	0.0	



n38 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000	16.3	0.0
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	14.76	14.98	14.78	16.3	0.0
20	PI/2 BPSK	1	26	14.83	14.95	14.88		
20	PI/2 BPSK	1	49	14.85	14.92	14.77	16.3	0.0
20	PI/2 BPSK	25	0	14.85	14.93	14.81		
20	PI/2 BPSK	25	13	14.86	14.99	14.72	16.3	0.0
20	PI/2 BPSK	25	26	14.91	14.95	14.70		
20	PI/2 BPSK	50	0	14.74	14.95	14.77	16.3	0.0
20	QPSK	1	1	14.96	15.00	14.97		
20	QPSK	1	26	14.78	14.98	14.86	16.3	0.0
20	QPSK	1	49	14.78	14.93	14.81		
20	QPSK	25	0	14.90	14.88	14.68	16.3	0.0
20	QPSK	25	13	14.87	14.96	14.88		
20	QPSK	25	26	14.86	14.90	14.82	16.3	0.0
20	QPSK	50	0	14.84	14.92	14.78		
20	16QAM	1	1	14.86	14.98	14.83	16.3	0.0
20	64QAM	1	1	14.88	14.99	14.87		
20	256QAM	1	1	14.75	14.91	14.90	16.3	0.0

PC2&3 n41 Ant6 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	16.3	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.51	14.56	14.52	16.3	0.0
100	PI/2 BPSK	1	137	14.64	14.80	14.70		
100	PI/2 BPSK	1	271	14.57	14.73	14.59	16.3	0.0
100	PI/2 BPSK	135	0	14.61	14.77	14.63		
100	PI/2 BPSK	135	69	14.73	14.83	14.63	16.3	0.0
100	PI/2 BPSK	135	138	14.65	14.81	14.65		
100	PI/2 BPSK	270	0	14.62	14.76	14.59	16.3	0.0
100	QPSK	1	1	14.72	14.88	14.78		
100	QPSK	1	137	14.54	14.72	14.61	16.3	0.0
100	QPSK	1	271	14.55	14.59	14.52		
100	QPSK	135	0	14.51	14.66	14.52	16.3	0.0
100	QPSK	135	69	14.58	14.71	14.51		
100	QPSK	135	138	14.56	14.68	14.51	16.3	0.0
100	QPSK	270	0	14.51	14.55	14.52		
100	16QAM	1	1	14.65	14.81	14.67	16.3	0.0
100	64QAM	1	1	14.57	14.71	14.61		
100	256QAM	1	1	14.52	14.61	14.52	16.3	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	123	14.52	14.63	14.52	16.3	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	109	14.55	14.67	14.51	16.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	81	14.56	14.71	14.52	16.3	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	67	14.54	14.62	14.52	16.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	53	14.56	14.66	14.51	16.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	39	14.61	14.59	14.66	16.3	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	26	14.51	14.66	14.55	16.3	0.0



n38 Ant9 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				516000	519000	522000				
Frequency (MHz)				2580	2595	2610				
20	PI/2 BPSK	1	1	20.87	20.83	20.78	22.3	0.0		
20	PI/2 BPSK	1	26	20.85	20.76	20.73				
20	PI/2 BPSK	1	49	20.69	20.89	20.88				
20	PI/2 BPSK	25	0	20.88	20.69	20.78	22.3	0.0		
20	PI/2 BPSK	25	13	20.68	20.80	20.65	22.3	0.0		
20	PI/2 BPSK	25	26	20.74	20.79	20.64	22.3	0.0		
20	PI/2 BPSK	50	0	20.77	20.92	20.77				
20	QPSK	1	1	20.78	20.99	20.75				
20	QPSK	1	26	20.80	20.87	20.73	22.3	0.0		
20	QPSK	1	49	20.72	20.80	20.64				
20	QPSK	25	0	20.73	20.79	20.67				
20	QPSK	25	13	20.66	20.84	20.74	22.3	0.0		
20	QPSK	25	26	20.75	20.80	20.69	22.3	0.0		
20	QPSK	50	0	20.72	20.81	20.70				
20	16QAM	1	1	20.62	20.85	20.80				
20	64QAM	1	1	20.74	20.72	20.72	22.3	0.0		
20	256QAM	1	1	19.81	19.86	19.77	22.3	0.0		

PC2&3 n41 Ant9 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				509202	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	20.51	20.62	20.62	22.3	0.0		
100	PI/2 BPSK	1	137	20.71	20.80	20.67				
100	PI/2 BPSK	1	271	20.60	20.77	20.57				
100	PI/2 BPSK	135	0	20.62	20.81	20.70	22.3	0.0		
100	PI/2 BPSK	135	69	20.63	20.73	20.60	22.3	0.0		
100	PI/2 BPSK	135	138	20.53	20.58	20.60	22.3	0.0		
100	PI/2 BPSK	270	0	20.59	20.72	20.54				
100	QPSK	1	1	20.62	20.84	20.57				
100	QPSK	1	137	20.74	20.77	20.65	22.3	0.0		
100	QPSK	1	271	20.55	20.55	20.56				
100	QPSK	135	0	20.67	20.64	20.70				
100	QPSK	135	69	20.54	20.81	20.55	22.3	0.0		
100	QPSK	135	138	20.60	20.73	20.57	22.3	0.0		
100	QPSK	270	0	20.58	20.75	20.58				
100	16QAM	1	1	20.51	20.60	20.51				
100	64QAM	1	1	20.52	20.59	20.51	22.3	0.0		
100	256QAM	1	1	20.63	20.80	20.66	22.3	0.0		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	123	20.56	20.54	20.51	22.3	0.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	109	20.57	20.58	20.51	22.3	0.0		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	81	20.51	20.58	20.56	22.3	0.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	67	20.56	20.54	20.58	22.3	0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	53	20.56	20.50	20.55	22.3	0.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	39	20.61	20.57	20.44	22.3	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	26	20.56	20.57	20.57	22.3	0.0		



Reduced Power level for DSI 3

n5 Ant0 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.06	24.19	24.13		
20	PI/2 BPSK	1	53	24.03	24.13	24.05	25.7	0.0
20	PI/2 BPSK	1	104	24.13	24.24	24.12		
20	PI/2 BPSK	50	0	24.03	24.16	24.02	25.7	0.0
20	PI/2 BPSK	50	28	24.22	24.17	24.30	25.7	0.0
20	PI/2 BPSK	50	56	24.26	24.28	24.18		
20	PI/2 BPSK	100	0	24.05	24.13	24.02	25.7	0.0
20	QPSK	1	1	24.34	24.37	24.23		
20	QPSK	1	53	24.03	24.18	24.10	25.7	0.0
20	QPSK	1	104	24.12	24.07	24.03		
20	QPSK	50	0	24.01	24.15	24.09	25.7	0.0
20	QPSK	50	28	24.28	24.32	24.19	25.7	0.0
20	QPSK	50	56	24.06	24.11	24.05		
20	QPSK	100	0	24.13	24.30	24.23	25.7	0.0
20	16QAM	1	1	24.10	24.18	24.06	25.7	0.0
20	64QAM	1	1	24.10	24.22	24.08	25.7	0.0
20	256QAM	1	1	21.82	21.82	21.82	23.2	2.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	24.26	24.30	24.20	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	24.21	24.28	24.10	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	24.29	24.31	24.20	25.7	0.0



n7 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				502000	507000	512000				
Frequency (MHz)				2510	2535	2560				
20	PI/2 BPSK	1	1	20.53	20.47	20.55	21.9	0.0		
20	PI/2 BPSK	1	53	20.51	20.69	20.60				
20	PI/2 BPSK	1	104	20.55	20.66	20.56				
20	PI/2 BPSK	50	0	20.42	20.55	20.62	21.9	0.0		
20	PI/2 BPSK	50	28	20.64	20.54	20.51	21.9	0.0		
20	PI/2 BPSK	50	56	20.39	20.55	20.64	21.9	0.0		
20	PI/2 BPSK	100	0	20.44	20.60	20.50				
20	QPSK	1	1	20.68	20.71	20.52				
20	QPSK	1	53	20.55	20.51	20.50	21.9	0.0		
20	QPSK	1	104	20.56	20.47	20.69				
20	QPSK	50	0	20.29	20.59	20.57				
20	QPSK	50	28	20.58	20.67	20.66	21.9	0.0		
20	QPSK	50	56	20.40	20.54	20.57	21.9	0.0		
20	QPSK	100	0	20.60	20.66	20.62				
20	16QAM	1	1	20.45	20.52	20.68				
20	64QAM	1	1	20.48	20.50	20.58	21.9	0.0		
20	256QAM	1	1	20.43	20.50	20.58	21.9	0.0		
Channel				501600	507000	512500	Tune-up limit	MPR		
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)		
15	QPSK	1	40	20.46	20.56	20.43	21.9	0.0		
Channel				501000	507000	513000	Tune-up limit	MPR		
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)		
10	QPSK	1	26	20.39	20.52	20.46	21.9	0.0		
Channel				500500	507000	513500	Tune-up limit	MPR		
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)		
5	QPSK	1	13	20.41	20.57	20.35	21.9	0.0		

n66 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				344000	349000	354000				
Frequency (MHz)				1720	1745	1770				
20	PI/2 BPSK	1	1	20.31	20.62	20.51	22.2	0.0		
20	PI/2 BPSK	1	53	20.46	20.40	20.31				
20	PI/2 BPSK	1	104	20.50	20.39	20.50				
20	PI/2 BPSK	50	0	20.48	20.50	20.31	22.2	0.0		
20	PI/2 BPSK	50	28	20.47	20.49	20.24	22.2	0.0		
20	PI/2 BPSK	50	56	20.50	20.35	20.24	22.2	0.0		
20	PI/2 BPSK	100	0	20.35	20.60	20.40				
20	QPSK	1	1	20.60	20.72	20.53				
20	QPSK	1	53	20.55	20.45	20.48	22.2	0.0		
20	QPSK	1	104	20.45	20.54	20.60				
20	QPSK	50	0	20.28	20.58	20.59				
20	QPSK	50	28	20.43	20.64	20.46	22.2	0.0		
20	QPSK	50	56	20.47	20.46	20.54	22.2	0.0		
20	QPSK	100	0	20.41	20.54	20.48				
20	16QAM	1	1	20.36	20.45	20.33				
20	64QAM	1	1	20.44	20.49	20.33	22.2	0.0		
20	256QAM	1	1	20.35	20.56	20.48	22.2	0.0		
Channel				343500	349000	354500	Tune-up limit	MPR		
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)		
15	QPSK	1	40	20.47	20.67	20.30	22.2	0.0		
Channel				343000	349000	355000	Tune-up limit	MPR		
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)		
10	QPSK	1	26	20.44	20.61	20.33	22.2	0.0		
Channel				342500	349000	355500	Tune-up limit	MPR		
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)		
5	QPSK	1	13	20.36	20.58	20.39	22.2	0.0		



n38 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				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	19.85	19.63	19.84	21.2	0.0
20	PI/2 BPSK	1	26	19.67	19.86	19.88		
20	PI/2 BPSK	1	49	19.72	19.71	19.81		
20	PI/2 BPSK	25	0	19.57	19.82	19.74	21.2	0.0
20	PI/2 BPSK	25	13	19.74	19.84	19.85	21.2	0.0
20	PI/2 BPSK	25	26	19.53	19.70	19.82	21.2	0.0
20	PI/2 BPSK	50	0	19.61	19.88	19.78		
20	QPSK	1	1	19.84	20.03	19.83		
20	QPSK	1	26	19.92	19.73	19.74	21.2	0.0
20	QPSK	1	49	19.64	19.66	19.83		
20	QPSK	25	0	19.47	19.75	19.83		
20	QPSK	25	13	19.62	19.95	19.75	21.2	0.0
20	QPSK	25	26	19.77	19.64	19.66	21.2	0.0
20	QPSK	50	0	19.70	19.83	19.70		
20	16QAM	1	1	19.71	19.76	19.82		
20	64QAM	1	1	19.84	19.60	19.76	21.2	0.0
20	256QAM	1	1	19.38	19.46	19.32	20.2	1.0

PC2&3 n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.33	19.45	19.35	21.2	0.0
100	PI/2 BPSK	1	137	19.37	19.48	19.29		
100	PI/2 BPSK	1	271	19.23	19.35	19.25		
100	PI/2 BPSK	135	0	19.41	19.59	19.41	21.2	0.0
100	PI/2 BPSK	135	69	19.47	19.58	19.43	21.2	0.0
100	PI/2 BPSK	135	138	19.32	19.51	19.38	21.2	0.0
100	PI/2 BPSK	270	0	19.30	19.49	19.36		
100	QPSK	1	1	19.55	19.72	19.61		
100	QPSK	1	137	19.43	19.57	19.43	21.2	0.0
100	QPSK	1	271	19.25	19.39	19.22		
100	QPSK	135	0	19.39	19.52	19.37		
100	QPSK	135	69	19.44	19.59	19.43	21.2	0.0
100	QPSK	135	138	19.39	19.52	19.37	21.2	0.0
100	QPSK	270	0	19.41	19.55	19.44		
100	16QAM	1	1	19.43	19.59	19.42		
100	64QAM	1	1	19.39	19.55	19.42	21.2	0.0
100	256QAM	1	1	19.49	19.62	19.43	21.2	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	19.27	19.53	19.34	21.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	19.32	19.53	19.42	21.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	19.36	19.53	19.41	21.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	19.33	19.50	19.37	21.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	19.30	19.46	19.39	21.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	19.40	19.33	19.36	21.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	19.33	19.46	19.35	21.2	0.0



n5 Ant2 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	841		
20	PI/2 BPSK	1	1	23.81	23.98	23.94	25.7	0.0
20	PI/2 BPSK	1	53	23.94	24.02	23.98		
20	PI/2 BPSK	1	104	23.82	23.90	23.76		
20	PI/2 BPSK	50	0	24.00	24.07	24.00	25.7	0.0
20	PI/2 BPSK	50	28	23.86	24.02	23.86	25.7	0.0
20	PI/2 BPSK	50	56	23.92	23.94	23.88	25.7	0.0
20	PI/2 BPSK	100	0	23.90	24.05	24.03		
20	QPSK	1	1	24.04	24.12	23.99		
20	QPSK	1	53	23.85	23.98	23.90	25.7	0.0
20	QPSK	1	104	23.72	23.80	23.83		
20	QPSK	50	0	23.76	23.72	23.75		
20	QPSK	50	28	24.02	24.08	24.05	25.7	0.0
20	QPSK	50	56	23.89	23.98	23.83	25.7	0.0
20	QPSK	100	0	23.74	23.78	23.74		
20	16QAM	1	1	23.74	23.92	23.83		
20	64QAM	1	1	24.00	24.08	23.98	25.7	0.0
20	256QAM	1	1	21.34	21.46	21.36	23.2	2.5
Channel				166800	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	23.86	24.03	23.93	25.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	23.93	24.00	23.90	25.7	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	23.93	23.98	23.84	25.7	0.0



n7 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	19.86	19.91	19.85	21.5	0.0
20	PI/2 BPSK	1	53	19.90	19.94	19.77		
20	PI/2 BPSK	1	104	19.76	20.03	19.82		
20	PI/2 BPSK	50	0	19.83	20.08	19.76	21.5	0.0
20	PI/2 BPSK	50	28	19.87	19.96	19.83	21.5	0.0
20	PI/2 BPSK	50	56	19.93	19.94	19.82	21.5	0.0
20	PI/2 BPSK	100	0	19.82	19.96	20.00		
20	QPSK	1	1	19.92	20.14	20.08		
20	QPSK	1	53	19.91	19.98	19.89	21.5	0.0
20	QPSK	1	104	19.88	19.92	19.83		
20	QPSK	50	0	19.91	19.82	19.93		
20	QPSK	50	28	19.87	20.06	19.69	21.5	0.0
20	QPSK	50	56	19.86	19.92	19.87	21.5	0.0
20	QPSK	100	0	19.98	20.03	19.84		
20	16QAM	1	1	19.93	19.85	19.83		
20	64QAM	1	1	19.81	19.89	19.73	21.5	0.0
20	256QAM	1	1	19.93	19.84	19.76	21.5	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	19.89	20.08	19.86	21.5	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	19.76	20.04	19.84	21.5	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	19.85	20.03	19.77	21.5	0.0



n38 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	20.65	20.62	20.57	22.0	0.0
20	PI/2 BPSK	1	26	20.52	20.67	20.56		
20	PI/2 BPSK	1	49	20.56	20.64	20.61		
20	PI/2 BPSK	25	0	20.51	20.54	20.55	22.0	0.0
20	PI/2 BPSK	25	13	20.44	20.60	20.40	22.0	0.0
20	PI/2 BPSK	25	26	20.55	20.55	20.48	22.0	0.0
20	PI/2 BPSK	50	0	20.42	20.56	20.68		
20	QPSK	1	1	20.65	20.70	20.58		
20	QPSK	1	26	20.51	20.52	20.54	22.0	0.0
20	QPSK	1	49	20.52	20.66	20.50		
20	QPSK	25	0	20.53	20.65	20.36		
20	QPSK	25	13	20.55	20.68	20.58	22.0	0.0
20	QPSK	25	26	20.51	20.61	20.57	22.0	0.0
20	QPSK	50	0	20.56	20.67	20.48		
20	16QAM	1	1	20.63	20.59	20.59		
20	64QAM	1	1	20.56	20.59	20.45	22.0	0.0
20	256QAM	1	1	20.46	20.51	20.66	22.0	0.0

PC2&3 n41 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.57	20.45	20.47	22.0	0.0
100	PI/2 BPSK	1	137	20.42	20.54	20.53		
100	PI/2 BPSK	1	271	20.51	20.52	20.54		
100	PI/2 BPSK	135	0	20.34	20.51	20.44	22.0	0.0
100	PI/2 BPSK	135	69	20.33	20.56	20.26	22.0	0.0
100	PI/2 BPSK	135	138	20.48	20.45	20.32	22.0	0.0
100	PI/2 BPSK	270	0	20.29	20.43	20.54		
100	QPSK	1	1	20.63	20.73	20.69		
100	QPSK	1	137	20.48	20.48	20.50	22.0	0.0
100	QPSK	1	271	20.47	20.49	20.38		
100	QPSK	135	0	20.42	20.53	20.31		
100	QPSK	135	69	20.43	20.67	20.64	22.0	0.0
100	QPSK	135	138	20.33	20.55	20.41	22.0	0.0
100	QPSK	270	0	20.51	20.64	20.60		
100	16QAM	1	1	20.45	20.42	20.41		
100	64QAM	1	1	20.43	20.52	20.41	22.0	0.0
100	256QAM	1	1	20.36	20.38	20.53	22.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	20.41	20.44	20.37	22.0	0.0
Channel				507204	518598	529398		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	20.36	20.43	20.31	22.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	20.40	20.47	20.45	22.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	20.42	20.49	20.40	22.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	20.40	20.56	20.31	22.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	20.41	20.50	20.32	22.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	20.40	20.44	20.42	22.0	0.0



n7 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.08	18.17	18.06	19.4	0.0	
20	PI/2 BPSK	1	53	18.02	18.15	18.04			
20	PI/2 BPSK	1	104	17.96	18.14	18.02			
20	PI/2 BPSK	50	0	18.03	18.03	17.96	19.4	0.0	
20	PI/2 BPSK	50	28	17.91	18.10	17.92	19.4	0.0	
20	PI/2 BPSK	50	56	18.08	18.09	17.98	19.4	0.0	
20	PI/2 BPSK	100	0	17.88	18.07	18.18	19.4	0.0	
20	QPSK	1	1	17.97	18.20	18.12			
20	QPSK	1	53	17.97	18.06	17.99			
20	QPSK	1	104	18.03	18.09	17.94	19.4	0.0	
20	QPSK	50	0	17.95	18.08	17.78			
20	QPSK	50	28	17.97	18.10	17.99			
20	QPSK	50	56	17.99	18.04	17.99	19.4	0.0	
20	QPSK	100	0	18.04	18.06	18.01	19.4	0.0	
20	16QAM	1	1	18.10	18.01	18.03			
20	64QAM	1	1	17.99	18.07	17.96			
20	256QAM	1	1	17.96	18.03	18.11	19.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.83	18.09	17.84	19.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.87	18.05	17.94	19.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.85	18.02	18.00	19.4	0.0	

n66 Ant6 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.86	21.98	21.92	23.4	0.0	
20	PI/2 BPSK	1	53	21.94	22.02	21.97			
20	PI/2 BPSK	1	104	22.02	22.08	22.01			
20	PI/2 BPSK	50	0	21.95	22.03	21.99	23.4	0.0	
20	PI/2 BPSK	50	28	21.93	22.07	21.99	23.4	0.0	
20	PI/2 BPSK	50	56	21.93	22.09	21.93	23.4	0.0	
20	PI/2 BPSK	100	0	21.95	22.07	21.96			
20	QPSK	1	1	22.08	22.16	22.11			
20	QPSK	1	53	22.04	22.14	22.10	23.4	0.0	
20	QPSK	1	104	21.82	21.92	21.87			
20	QPSK	50	0	21.87	22.02	21.97			
20	QPSK	50	28	22.10	22.13	21.95	23.4	0.0	
20	QPSK	50	56	21.88	22.04	21.94	23.4	0.0	
20	QPSK	100	0	21.97	22.09	21.94			
20	16QAM	1	1	21.80	21.94	21.82			
20	64QAM	1	1	21.84	21.88	21.75	23.4	0.0	
20	256QAM	1	1	20.86	20.86	20.87	22.4	1.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	22.05	22.01	21.95	23.4	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	21.94	22.11	22.04	23.4	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	21.94	22.08	22.08	23.4	0.0	



n38 Ant6 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.83	18.00	17.78	19.6	0.0
20	PI/2 BPSK	1	26	17.87	17.96	17.75		
20	PI/2 BPSK	1	49	17.95	18.02	17.79		
20	PI/2 BPSK	25	0	17.87	17.97	17.80	19.6	0.0
20	PI/2 BPSK	25	13	17.88	17.97	17.93	19.6	0.0
20	PI/2 BPSK	25	26	17.85	17.89	17.92	19.6	0.0
20	PI/2 BPSK	50	0	17.80	17.97	17.84		
20	PI/2 BPSK	1	1	17.95	18.07	17.89		
20	QPSK	1	26	17.82	17.90	17.85	19.6	0.0
20	QPSK	1	49	17.90	18.01	17.79		
20	QPSK	25	0	17.87	17.88	17.81		
20	QPSK	25	13	17.91	17.96	17.91	19.6	0.0
20	QPSK	25	26	17.85	17.91	17.87	19.6	0.0
20	QPSK	50	0	17.87	17.94	17.90		
20	16QAM	1	1	17.93	17.94	17.85		
20	64QAM	1	1	17.80	17.99	17.81	19.6	0.0
20	256QAM	1	1	17.85	17.95	17.89	19.6	0.0

PC2&3 n41 Ant6 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.93	18.09	17.82	19.6	0.0
100	PI/2 BPSK	1	137	18.03	17.97	17.89		
100	PI/2 BPSK	1	271	17.90	17.97	17.97		
100	PI/2 BPSK	135	0	17.91	18.02	17.77	19.6	0.0
100	PI/2 BPSK	135	69	17.80	17.95	18.03	19.6	0.0
100	PI/2 BPSK	135	138	17.93	18.11	17.96	19.6	0.0
100	PI/2 BPSK	270	0	17.89	18.05	17.87		
100	PI/2 BPSK	1	1	17.98	18.14	18.09		
100	QPSK	1	137	17.79	18.06	17.97	19.6	0.0
100	QPSK	1	271	17.92	17.90	17.85		
100	QPSK	135	0	17.97	17.98	17.87		
100	QPSK	135	69	17.81	18.13	17.92	19.6	0.0
100	QPSK	135	138	17.95	17.95	17.90	19.6	0.0
100	QPSK	270	0	17.86	18.01	17.87		
100	16QAM	1	1	17.94	18.05	17.90		
100	64QAM	1	1	17.88	18.05	17.87	19.6	0.0
100	256QAM	1	1	17.87	18.09	17.85	19.6	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.81	18.00	17.94	19.6	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.81	17.99	18.03	19.6	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.95	18.07	17.93	19.6	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.86	18.02	18.05	19.6	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.90	18.00	17.95	19.6	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.90	17.88	17.95	19.6	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.89	18.09	17.98	19.6	0.0



n38 Ant9 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	21.69	21.83	21.76	23.3	0.0
20	PI/2 BPSK	1	26	21.60	21.68	21.62		
20	PI/2 BPSK	1	49	21.81	21.93	21.80		
20	PI/2 BPSK	25	0	21.44	21.59	21.46	23.3	0.0
20	PI/2 BPSK	25	13	21.66	21.70	21.64	23.3	0.0
20	PI/2 BPSK	25	26	21.75	21.79	21.64	23.3	0.0
20	PI/2 BPSK	50	0	21.64	21.69	21.58		
20	QPSK	1	1	21.87	21.97	21.88		
20	QPSK	1	26	21.50	21.66	21.51	23.3	0.0
20	QPSK	1	49	21.57	21.71	21.52		
20	QPSK	25	0	21.43	21.57	21.54		
20	QPSK	25	13	21.56	21.77	21.56	23.3	0.0
20	QPSK	25	26	21.63	21.70	21.73	23.3	0.0
20	QPSK	50	0	21.63	21.66	21.51		
20	16QAM	1	1	21.57	21.59	21.48		
20	64QAM	1	1	21.63	21.68	21.58	23.3	0.0
20	256QAM	1	1	19.81	19.86	19.77	20.8	2.5

PC3&2 n41 Ant9 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.76	21.85	21.81	23.3	0.0
100	PI/2 BPSK	1	137	21.85	21.92	21.84		
100	PI/2 BPSK	1	271	21.74	21.82	21.73		
100	PI/2 BPSK	135	0	21.87	21.89	21.81	23.3	0.0
100	PI/2 BPSK	135	69	21.85	21.93	21.87	23.3	0.0
100	PI/2 BPSK	135	138	21.79	21.86	21.72	23.3	0.0
100	PI/2 BPSK	270	0	21.68	21.84	21.82		
100	QPSK	1	1	21.94	22.11	21.98		
100	QPSK	1	137	21.90	21.97	21.87	23.3	0.0
100	QPSK	1	271	21.81	21.85	21.87		
100	QPSK	135	0	21.68	21.84	21.74		
100	QPSK	135	69	21.81	21.92	21.75	23.3	0.0
100	QPSK	135	138	21.74	21.81	21.71	23.3	0.0
100	QPSK	270	0	21.79	21.89	21.87		
100	16QAM	1	1	21.62	21.77	21.75		
100	64QAM	1	1	21.66	21.84	21.74	23.3	0.0
100	256QAM	1	1	21.94	22.03	21.99	23.3	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	21.89	22.07	21.90	23.3	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	21.86	22.01	21.90	23.3	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	21.82	21.97	21.91	23.3	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	21.91	21.93	21.81	23.3	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	21.84	22.09	21.89	23.3	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	21.88	22.01	21.98	23.3	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	21.86	21.95	21.90	23.3	0.0



Reduced Power level for DSI 5

n5 Ant0 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.07	21.09	21.17	22.8	0.0
20	PI/2 BPSK	1	53	21.03	21.17	21.09		
20	PI/2 BPSK	1	104	20.99	21.19	21.07		
20	PI/2 BPSK	50	0	21.09	21.21	21.17	22.8	0.0
20	PI/2 BPSK	50	28	20.91	21.21	21.15	22.8	0.0
20	PI/2 BPSK	50	56	20.96	21.18	21.13		
20	PI/2 BPSK	100	0	21.02	21.02	21.13		
20	QPSK	1	1	21.10	21.23	21.17	22.8	0.0
20	QPSK	1	53	21.00	21.13	21.03		
20	QPSK	1	104	21.00	21.21	21.03		
20	QPSK	50	0	21.10	21.09	21.06	22.8	0.0
20	QPSK	50	28	20.88	21.16	21.13	22.8	0.0
20	QPSK	50	56	21.07	21.10	21.09	22.8	0.0
20	QPSK	100	0	21.03	21.12	21.11		
20	16QAM	1	1	21.08	21.09	21.10		
20	64QAM	1	1	21.05	21.01	20.96	22.8	0.0
20	256QAM	1	1	20.98	21.20	21.13	22.8	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	20.98	21.07	21.07	22.8	0.0
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	20.97	21.21	21.17	22.8	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	20.98	21.13	20.97	22.8	0.0



n7 Ant1 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.22	17.27	17.35	18.7	0.0	
20	PI/2 BPSK	1	53	17.35	17.36	17.42			
20	PI/2 BPSK	1	104	17.33	17.31	17.36			
20	PI/2 BPSK	50	0	17.22	17.41	17.39	18.7	0.0	
20	PI/2 BPSK	50	28	17.29	17.35	17.35	18.7	0.0	
20	PI/2 BPSK	50	56	17.14	17.29	17.33	18.7	0.0	
20	PI/2 BPSK	100	0	17.19	17.23	17.27			
20	QPSK	1	1	17.33	17.44	17.40	18.7	0.0	
20	QPSK	1	53	17.14	17.42	17.33			
20	QPSK	1	104	17.21	17.29	17.31			
20	QPSK	50	0	17.35	17.27	17.23	18.7	0.0	
20	QPSK	50	28	17.28	17.42	17.36	18.7	0.0	
20	QPSK	50	56	17.25	17.34	17.34	18.7	0.0	
20	QPSK	100	0	17.16	17.37	17.29			
20	16QAM	1	1	17.32	17.35	17.31	18.7	0.0	
20	64QAM	1	1	17.31	17.29	17.25	18.7	0.0	
20	256QAM	1	1	17.30	17.34	17.37	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.21	17.34	17.37	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.19	17.29	17.43	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.28	17.41	17.40	18.7	0.0	

n66 Ant1 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	20.69	20.72	20.64	22.4	0.0	
20	PI/2 BPSK	1	53	20.62	20.63	20.64			
20	PI/2 BPSK	1	104	20.74	20.75	20.53			
20	PI/2 BPSK	50	0	20.53	20.73	20.59	22.4	0.0	
20	PI/2 BPSK	50	28	20.59	20.62	20.53	22.4	0.0	
20	PI/2 BPSK	50	56	20.62	20.64	20.69	22.4	0.0	
20	PI/2 BPSK	100	0	20.54	20.63	20.66			
20	QPSK	1	1	20.72	20.78	20.70	22.4	0.0	
20	QPSK	1	53	20.68	20.66	20.70			
20	QPSK	1	104	20.63	20.68	20.49			
20	QPSK	50	0	20.63	20.66	20.53	22.4	0.0	
20	QPSK	50	28	20.64	20.77	20.71	22.4	0.0	
20	QPSK	50	56	20.72	20.65	20.56	22.4	0.0	
20	QPSK	100	0	20.68	20.72	20.70			
20	16QAM	1	1	20.55	20.74	20.54	22.4	0.0	
20	64QAM	1	1	20.57	20.74	20.59	22.4	0.0	
20	256QAM	1	1	20.54	20.76	20.49	22.4	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	20.54	20.62	20.64	22.4	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	20.54	20.73	20.53	22.4	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	20.72	20.76	20.70	22.4	0.0	



n38 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	16.85	16.94	16.78	18.2	0.0
20	PI/2 BPSK	1	26	16.90	16.78	16.86		
20	PI/2 BPSK	1	49	16.91	16.86	16.66		
20	PI/2 BPSK	25	0	16.84	16.94	16.85	18.2	0.0
20	PI/2 BPSK	25	13	16.79	16.85	16.71	18.2	0.0
20	PI/2 BPSK	25	26	16.81	16.78	16.69	18.2	0.0
20	PI/2 BPSK	50	0	16.71	16.93	16.88		
20	QPSK	1	1	16.92	16.95	16.88	18.2	0.0
20	QPSK	1	26	16.74	16.93	16.89		
20	QPSK	1	49	16.73	16.79	16.85		
20	QPSK	25	0	16.86	16.78	16.68	18.2	0.0
20	QPSK	25	13	16.88	16.92	16.73	18.2	0.0
20	QPSK	25	26	16.75	16.87	16.83	18.2	0.0
20	QPSK	50	0	16.76	16.87	16.84		
20	16QAM	1	1	16.80	16.85	16.89	18.2	0.0
20	64QAM	1	1	16.91	16.86	16.86	18.2	0.0
20	256QAM	1	1	16.86	16.93	16.88	18.2	0.0

PC2&3 n41 Ant1 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.47	16.55	16.41	18.2	0.0
100	PI/2 BPSK	1	137	16.27	16.52	16.47		
100	PI/2 BPSK	1	271	16.36	16.53	16.34		
100	PI/2 BPSK	135	0	16.25	16.34	16.39	18.2	0.0
100	PI/2 BPSK	135	69	16.38	16.43	16.40	18.2	0.0
100	PI/2 BPSK	135	138	16.36	16.48	16.42	18.2	0.0
100	PI/2 BPSK	270	0	16.37	16.37	16.38		
100	QPSK	1	1	16.47	16.56	16.45	18.2	0.0
100	QPSK	1	137	16.40	16.51	16.42		
100	QPSK	1	271	16.32	16.55	16.26		
100	QPSK	135	0	16.28	16.38	16.39	18.2	0.0
100	QPSK	135	69	16.27	16.53	16.41	18.2	0.0
100	QPSK	135	138	16.43	16.45	16.30	18.2	0.0
100	QPSK	270	0	16.30	16.43	16.25		
100	16QAM	1	1	16.43	16.47	16.30	18.2	0.0
100	64QAM	1	1	16.45	16.38	16.27	18.2	0.0
100	256QAM	1	1	16.39	16.54	16.29	18.2	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.27	16.46	16.31	18.2	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	16.30	16.49	16.25	18.2	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.27	16.46	16.46	18.2	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.48	16.53	16.40	18.2	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.49	16.51	16.32	18.2	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.33	16.41	16.36	18.2	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.30	16.51	16.26	18.2	0.0



n5 Ant2 DS15

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	18.89	18.98	18.72	20.4	0.0
20	PI/2 BPSK	1	53	18.84	18.96	18.81		
20	PI/2 BPSK	1	104	18.78	18.93	18.84		
20	PI/2 BPSK	50	0	18.76	18.99	18.79		
20	PI/2 BPSK	50	28	18.91	18.90	18.61		
20	PI/2 BPSK	50	56	18.93	18.80	18.64		
20	PI/2 BPSK	100	0	18.78	18.92	18.75	20.4	0.0
20	QPSK	1	1	18.97	19.01	18.83	20.4	0.0
20	QPSK	1	53	18.83	18.94	18.76		
20	QPSK	1	104	18.94	18.92	18.64		
20	QPSK	50	0	18.80	18.90	18.83		
20	QPSK	50	28	18.94	18.99	18.61		
20	QPSK	50	56	18.77	18.85	18.74		
20	QPSK	100	0	18.82	18.90	18.80	20.4	0.0
20	16QAM	1	1	18.84	18.94	18.78	20.4	0.0
20	64QAM	1	1	18.95	18.89	18.78	20.4	0.0
20	256QAM	1	1	18.80	18.90	18.63	20.4	0.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	18.96	18.81	18.84	20.4	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	18.90	18.91	18.70	20.4	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	18.96	19.00	18.85	20.4	0.0



n7 Ant5 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	13.61	13.60	13.54	15.4	0.0
20	PI/2 BPSK	1	53	13.68	13.64	13.64		
20	PI/2 BPSK	1	104	13.67	13.63	13.71		
20	PI/2 BPSK	50	0	13.61	13.63	13.56	15.4	0.0
20	PI/2 BPSK	50	28	13.76	13.66	13.63	15.4	0.0
20	PI/2 BPSK	50	56	13.68	13.68	13.67	15.4	0.0
20	PI/2 BPSK	100	0	13.68	13.49	13.54		
20	QPSK	1	1	13.78	13.79	13.73		
20	QPSK	1	53	13.66	13.61	13.72	15.4	0.0
20	QPSK	1	104	13.60	13.62	13.74		
20	QPSK	50	0	13.50	13.55	13.54		
20	QPSK	50	28	13.58	13.67	13.55	15.4	0.0
20	QPSK	50	56	13.48	13.48	13.56	15.4	0.0
20	QPSK	100	0	13.61	13.65	13.63		
20	16QAM	1	1	13.64	13.55	13.65		
20	64QAM	1	1	13.77	13.65	13.55	15.4	0.0
20	256QAM	1	1	13.72	13.67	13.70	15.4	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	13.77	13.58	13.64	15.4	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	13.72	13.55	13.55	15.4	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	13.68	13.60	13.66	15.4	0.0



n38 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	13.61	13.62	13.58	15.4	0.0
20	PI/2 BPSK	1	26	13.55	13.71	13.72		
20	PI/2 BPSK	1	49	13.62	13.81	13.66		
20	PI/2 BPSK	25	0	13.67	13.67	13.57	15.4	0.0
20	PI/2 BPSK	25	13	13.63	13.65	13.72	15.4	0.0
20	PI/2 BPSK	25	26	13.61	13.77	13.74	15.4	0.0
20	PI/2 BPSK	50	0	13.76	13.81	13.66		
20	QPSK	1	1	13.75	13.84	13.77		
20	QPSK	1	26	13.72	13.65	13.59	15.4	0.0
20	QPSK	1	49	13.60	13.83	13.77		
20	QPSK	25	0	13.69	13.67	13.67		
20	QPSK	25	13	13.73	13.74	13.60	15.4	0.0
20	QPSK	25	26	13.65	13.65	13.72	15.4	0.0
20	QPSK	50	0	13.68	13.70	13.55		
20	16QAM	1	1	13.70	13.75	13.71		
20	64QAM	1	1	13.63	13.66	13.71	15.4	0.0
20	256QAM	1	1	13.60	13.83	13.78	15.4	0.0

PC2&3 n41 Ant5 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.29	13.36	13.18	15.0	0.0
100	PI/2 BPSK	1	137	13.22	13.36	13.16		
100	PI/2 BPSK	1	271	13.21	13.35	13.27		
100	PI/2 BPSK	135	0	13.35	13.38	13.24	15.0	0.0
100	PI/2 BPSK	135	69	13.18	13.30	13.12	15.0	0.0
100	PI/2 BPSK	135	138	13.31	13.29	13.34	15.0	0.0
100	PI/2 BPSK	270	0	13.17	13.36	13.12		
100	QPSK	1	1	13.35	13.43	13.34		
100	QPSK	1	137	13.28	13.42	13.19	15.0	0.0
100	QPSK	1	271	13.18	13.41	13.14		
100	QPSK	135	0	13.34	13.38	13.12		
100	QPSK	135	69	13.23	13.39	13.31	15.0	0.0
100	QPSK	135	138	13.23	13.31	13.34	15.0	0.0
100	QPSK	270	0	13.26	13.34	13.28		
100	16QAM	1	1	13.19	13.25	13.33		
100	64QAM	1	1	13.35	13.35	13.32	15.0	0.0
100	256QAM	1	1	13.39	13.23	13.33	15.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	13.18	13.26	13.35	15.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	13.18	13.22	13.19	15.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.14	13.30	13.32	15.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.34	13.25	13.35	15.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.22	13.38	13.30	15.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	13.39	13.41	13.37	15.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.29	13.39	13.27	15.0	0.0



n7 Ant6 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.59	11.45	11.67	12.9	0.0	
20	PI/2 BPSK	1	53	11.63	11.58	11.55			
20	PI/2 BPSK	1	104	11.57	11.75	11.33			
20	PI/2 BPSK	50	0	11.61	11.56	11.70	12.9	0.0	
20	PI/2 BPSK	50	28	11.50	11.64	11.57	12.9	0.0	
20	PI/2 BPSK	50	56	11.59	11.69	11.64	12.9	0.0	
20	PI/2 BPSK	100	0	11.71	11.46	11.69	12.9	0.0	
20	QPSK	1	1	11.71	11.77	11.68			
20	QPSK	1	53	11.40	11.61	11.51			
20	QPSK	1	104	11.54	11.51	11.59	12.9	0.0	
20	QPSK	50	0	11.32	11.56	11.59	12.9	0.0	
20	QPSK	50	28	11.55	11.75	11.60	12.9	0.0	
20	QPSK	50	56	11.49	11.70	11.62	12.9	0.0	
20	QPSK	100	0	11.58	11.73	11.66			
20	16QAM	1	1	11.51	11.69	11.34			
20	64QAM	1	1	11.62	11.46	11.41	12.9	0.0	
20	256QAM	1	1	11.44	11.54	11.52	12.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	12.9	0.0	
15	QPSK	1	40	11.56	11.68	11.37	12.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	12.9	0.0	
10	QPSK	1	26	11.60	11.72	11.44	12.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	12.9	0.0	
5	QPSK	1	13	11.51	11.64	11.35	12.9	0.0	

n66 Ant6 DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.33	15.13	15.20	16.8	0.0	
20	PI/2 BPSK	1	53	15.35	15.16	15.28			
20	PI/2 BPSK	1	104	15.21	15.40	15.13			
20	PI/2 BPSK	50	0	15.23	15.29	15.27	16.8	0.0	
20	PI/2 BPSK	50	28	15.13	15.46	15.16	16.8	0.0	
20	PI/2 BPSK	50	56	15.28	15.39	15.31	16.8	0.0	
20	PI/2 BPSK	100	0	15.37	15.31	15.31			
20	QPSK	1	1	15.38	15.52	15.00			
20	QPSK	1	53	15.31	15.37	15.36	16.8	0.0	
20	QPSK	1	104	15.35	15.47	15.22			
20	QPSK	50	0	15.33	15.37	15.20			
20	QPSK	50	28	15.14	15.44	15.32	16.8	0.0	
20	QPSK	50	56	15.19	15.34	15.27	16.8	0.0	
20	QPSK	100	0	15.23	15.37	15.33			
20	16QAM	1	1	15.24	15.38	15.26			
20	64QAM	1	1	15.22	15.25	15.28	16.8	0.0	
20	256QAM	1	1	15.38	15.43	15.36	16.8	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.8	0.0	
15	QPSK	1	40	15.27	15.44	15.29	16.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.8	0.0	
10	QPSK	1	26	15.26	15.50	15.35	16.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.8	0.0	
5	QPSK	1	13	15.29	15.45	15.31	16.8	0.0	



n38 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	11.64	11.67	11.69	13.1	0.0
20	PI/2 BPSK	1	26	11.61	11.69	11.67		
20	PI/2 BPSK	1	49	11.68	11.75	11.58		
20	PI/2 BPSK	25	0	11.55	11.66	11.57	13.1	0.0
20	PI/2 BPSK	25	13	11.68	11.75	11.57	13.1	0.0
20	PI/2 BPSK	25	26	11.56	11.71	11.60	13.1	0.0
20	PI/2 BPSK	50	0	11.66	11.74	11.58		
20	QPSK	1	1	11.71	11.82	11.72		
20	QPSK	1	26	11.58	11.74	11.55	13.1	0.0
20	QPSK	1	49	11.57	11.72	11.60		
20	QPSK	25	0	11.59	11.65	11.61		
20	QPSK	25	13	11.65	11.79	11.55	13.1	0.0
20	QPSK	25	26	11.58	11.69	11.68	13.1	0.0
20	QPSK	50	0	11.65	11.73	11.70		
20	16QAM	1	1	11.66	11.65	11.59		
20	64QAM	1	1	11.62	11.77	11.68	13.1	0.0
20	256QAM	1	1	11.60	11.66	11.60	13.1	0.0

PC2&3 n41 Ant6 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.88	11.87	11.89	13.1	0.0
100	PI/2 BPSK	1	137	11.83	11.91	11.83		
100	PI/2 BPSK	1	271	11.89	11.83	11.89		
100	PI/2 BPSK	135	0	11.83	11.90	11.84	13.1	0.0
100	PI/2 BPSK	135	69	11.85	11.85	11.76	13.1	0.0
100	PI/2 BPSK	135	138	11.76	11.82	11.81	13.1	0.0
100	PI/2 BPSK	270	0	11.77	11.79	11.77		
100	QPSK	1	1	11.93	11.94	11.92		
100	QPSK	1	137	11.89	11.84	11.87	13.1	0.0
100	QPSK	1	271	11.77	11.77	11.84		
100	QPSK	135	0	11.87	11.89	11.77		
100	QPSK	135	69	11.80	11.81	11.76	13.1	0.0
100	QPSK	135	138	11.76	11.82	11.84	13.1	0.0
100	QPSK	270	0	11.85	11.86	11.80		
100	16QAM	1	1	11.79	11.82	11.81		
100	64QAM	1	1	11.87	11.84	11.87	13.1	0.0
100	256QAM	1	1	11.76	11.83	11.82	13.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	11.83	11.78	11.80	13.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	11.85	11.87	11.83	13.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	11.85	11.87	11.89	13.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	11.86	11.79	11.87	13.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	11.85	11.78	11.75	13.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	11.80	11.88	11.90	13.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	11.77	11.90	11.87	13.1	0.0



n38 Ant9 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.54	17.61	17.54	19.1	0.0
20	PI/2 BPSK	1	26	17.62	17.61	17.52		
20	PI/2 BPSK	1	49	17.53	17.57	17.44		
20	PI/2 BPSK	25	0	17.59	17.65	17.54	19.1	0.0
20	PI/2 BPSK	25	13	17.59	17.56	17.45	19.1	0.0
20	PI/2 BPSK	25	26	17.51	17.67	17.57	19.1	0.0
20	PI/2 BPSK	50	0	17.61	17.66	17.45		
20	QPSK	1	1	17.64	17.69	17.62		
20	QPSK	1	26	17.58	17.53	17.50	19.1	0.0
20	QPSK	1	49	17.56	17.54	17.54		
20	QPSK	25	0	17.52	17.59	17.47		
20	QPSK	25	13	17.49	17.66	17.47	19.1	0.0
20	QPSK	25	26	17.59	17.64	17.54	19.1	0.0
20	QPSK	50	0	17.52	17.64	17.46		
20	16QAM	1	1	17.61	17.55	17.53		
20	64QAM	1	1	17.51	17.62	17.52	19.1	0.0
20	256QAM	1	1	17.57	17.53	17.47	19.1	0.0

PC2&3 n41 Ant9 DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.45	17.67	17.53	19.1	0.0
100	PI/2 BPSK	1	137	17.47	17.69	17.60		
100	PI/2 BPSK	1	271	17.56	17.70	17.61		
100	PI/2 BPSK	135	0	17.44	17.70	17.57	19.1	0.0
100	PI/2 BPSK	135	69	17.54	17.60	17.51	19.1	0.0
100	PI/2 BPSK	135	138	17.54	17.67	17.58	19.1	0.0
100	PI/2 BPSK	270	0	17.57	17.64	17.48		
100	QPSK	1	1	17.62	17.75	17.64		
100	QPSK	1	137	17.47	17.63	17.48	19.1	0.0
100	QPSK	1	271	17.54	17.59	17.59		
100	QPSK	135	0	17.51	17.59	17.59		
100	QPSK	135	69	17.53	17.67	17.48	19.1	0.0
100	QPSK	135	138	17.50	17.64	17.51	19.1	0.0
100	QPSK	270	0	17.59	17.66	17.52		
100	16QAM	1	1	17.47	17.62	17.62		
100	64QAM	1	1	17.49	17.70	17.59	19.1	0.0
100	256QAM	1	1	17.49	17.70	17.61	19.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.49	17.62	17.58	19.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.51	17.63	17.58	19.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.50	17.63	17.53	19.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.60	17.60	17.55	19.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.45	17.58	17.51	19.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.65	17.63	17.58	19.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.51	17.73	17.48	19.1	0.0



Reduced Power level for DSI 7

n5 Ant0 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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.73	21.79	21.76	23.5	0.0
20	PI/2 BPSK	1	53	21.77	21.84	21.75		
20	PI/2 BPSK	1	104	21.79	21.79	21.65		
20	PI/2 BPSK	50	0	21.73	21.82	21.73	23.5	0.0
20	PI/2 BPSK	50	28	21.86	21.87	21.78	23.5	0.0
20	PI/2 BPSK	50	56	21.79	21.81	21.65	23.5	0.0
20	PI/2 BPSK	100	0	21.72	21.87	21.75		
20	QPSK	1	1	21.84	21.91	21.76	23.5	0.0
20	QPSK	1	53	21.72	21.81	21.75		
20	QPSK	1	104	21.81	21.85	21.75		
20	QPSK	50	0	21.81	21.83	21.76	23.5	0.0
20	QPSK	50	28	21.73	21.89	21.78	23.5	0.0
20	QPSK	50	56	21.76	21.78	21.77	23.5	0.0
20	QPSK	100	0	21.73	21.86	21.70		
20	16QAM	1	1	21.86	21.83	21.74	23.5	0.0
20	64QAM	1	1	21.79	21.85	21.64	23.5	0.0
20	256QAM	1	1	21.84	21.76	21.73	23.5	0.0
Channel				166300	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	40	21.85	21.80	21.75	23.5	0.0
Channel				165800	167300	168800	Tune-up limit	MPR
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	26	21.77	21.83	21.67	23.5	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	13	21.83	21.75	21.67	23.5	0.0



n7 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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.75	17.84	17.83	19.4	0.0	
20	PI/2 BPSK	1	53	17.77	17.80	17.96			
20	PI/2 BPSK	1	104	17.81	17.84	17.84			
20	PI/2 BPSK	50	0	17.76	17.92	17.89	19.4	0.0	
20	PI/2 BPSK	50	28	17.78	17.90	17.79	19.4	0.0	
20	PI/2 BPSK	50	56	17.59	17.72	17.84	19.4	0.0	
20	PI/2 BPSK	100	0	17.64	17.69	17.77			
20	QPSK	1	1	17.90	18.02	17.83			
20	QPSK	1	53	17.70	17.93	17.87	19.4	0.0	
20	QPSK	1	104	17.78	17.78	17.88			
20	QPSK	50	0	17.79	17.85	17.71			19.4
20	QPSK	50	28	17.81	17.95	17.93	19.4	0.0	
20	QPSK	50	56	17.68	17.78	17.84	19.4	0.0	
20	QPSK	100	0	17.59	17.90	17.74			
20	16QAM	1	1	17.84	17.81	17.77			19.4
20	64QAM	1	1	17.86	17.80	17.77	19.4	0.0	
20	256QAM	1	1	17.73	17.92	17.91	19.4	0.0	
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.79	17.75	17.79	19.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.79	17.87	17.88	19.4	0.0	
Channel				500600	507000	513600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.78	17.77	17.81	19.4	0.0	

n66 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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.34	21.36	21.15	23.1	0.0	
20	PI/2 BPSK	1	53	21.17	21.16	21.23			
20	PI/2 BPSK	1	104	21.32	21.37	21.21			
20	PI/2 BPSK	50	0	21.14	21.27	21.18	23.1	0.0	
20	PI/2 BPSK	50	28	21.13	21.28	21.12	23.1	0.0	
20	PI/2 BPSK	50	56	21.25	21.27	21.29	23.1	0.0	
20	PI/2 BPSK	100	0	21.14	21.17	21.19			
20	QPSK	1	1	21.28	21.40	21.35			
20	QPSK	1	53	21.30	21.21	21.30	23.1	0.0	
20	QPSK	1	104	21.23	21.29	21.16			
20	QPSK	50	0	21.16	21.25	21.11			23.1
20	QPSK	50	28	21.19	21.38	21.25	23.1	0.0	
20	QPSK	50	56	21.24	21.18	21.11	23.1	0.0	
20	QPSK	100	0	21.28	21.40	21.31			
20	16QAM	1	1	21.22	21.36	21.20			23.1
20	64QAM	1	1	21.13	21.36	21.23	23.1	0.0	
20	256QAM	1	1	21.21	21.33	21.23	23.1	0.0	
Channel				343600	349000	354600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	21.28	21.31	21.07	23.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	21.29	21.31	21.16	23.1	0.0	
Channel				342600	349000	355600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	21.41	21.29	21.10	23.1	0.0	



n38 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				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.40	17.40	17.44	18.9	0.0
20	PI/2 BPSK	1	26	17.43	17.32	17.44		
20	PI/2 BPSK	1	49	17.45	17.44	17.20		
20	PI/2 BPSK	25	0	17.37	17.43	17.41	18.9	0.0
20	PI/2 BPSK	25	13	17.37	17.42	17.26	18.9	0.0
20	PI/2 BPSK	25	26	17.37	17.38	17.30	18.9	0.0
20	PI/2 BPSK	50	0	17.28	17.43	17.42		
20	QPSK	1	1	17.42	17.46	17.45		
20	QPSK	1	26	17.38	17.43	17.44	18.9	0.0
20	QPSK	1	49	17.36	17.43	17.42		
20	QPSK	25	0	17.43	17.32	17.29	18.9	0.0
20	QPSK	25	13	17.40	17.45	17.32	18.9	0.0
20	QPSK	25	26	17.38	17.43	17.44	18.9	0.0
20	QPSK	50	0	17.42	17.45	17.42		
20	16QAM	1	1	17.36	17.42	17.42	18.9	0.0
20	64QAM	1	1	17.44	17.43	17.42	18.9	0.0
20	256QAM	1	1	17.40	17.40	17.43	18.9	0.0

PC2&3 n41 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.38	17.38	17.34	18.9	0.0
100	PI/2 BPSK	1	137	17.40	17.35	17.31		
100	PI/2 BPSK	1	271	17.30	17.41	17.21		
100	PI/2 BPSK	135	0	17.21	17.29	17.26	18.9	0.0
100	PI/2 BPSK	135	69	17.28	17.30	17.26	18.9	0.0
100	PI/2 BPSK	135	138	17.29	17.37	17.26	18.9	0.0
100	PI/2 BPSK	270	0	17.23	17.30	17.28		
100	QPSK	1	1	17.30	17.48	17.27		
100	QPSK	1	137	17.33	17.47	17.34	18.9	0.0
100	QPSK	1	271	17.21	17.44	17.38		
100	QPSK	135	0	17.37	17.26	17.36	18.9	0.0
100	QPSK	135	69	17.21	17.50	17.23	18.9	0.0
100	QPSK	135	138	17.39	17.33	17.40	18.9	0.0
100	QPSK	270	0	17.24	17.39	17.21		
100	16QAM	1	1	17.29	17.35	17.37	18.9	0.0
100	64QAM	1	1	17.34	17.35	17.27	18.9	0.0
100	256QAM	1	1	17.37	17.47	17.41	18.9	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.00	17.14	17.14	18.9	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.13	17.01	17.01	18.9	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.13	17.09	17.15	18.9	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.01	17.12	17.02	18.9	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.94	17.08	16.94	18.9	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.11	17.30	17.23	18.9	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.01	17.03	17.00	18.9	0.0



n5 Ant2 DS17

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	19.45	19.54	19.36	21.1	0.0
20	PI/2 BPSK	1	53	19.38	19.60	19.35		
20	PI/2 BPSK	1	104	19.45	19.60	19.40		
20	PI/2 BPSK	50	0	19.39	19.53	19.45	21.1	0.0
20	PI/2 BPSK	50	28	19.49	19.46	19.24	21.1	0.0
20	PI/2 BPSK	50	56	19.53	19.36	19.23	21.1	0.0
20	PI/2 BPSK	100	0	19.39	19.49	19.28		
20	QPSK	1	1	19.58	19.66	19.48		
20	QPSK	1	53	19.59	19.50	19.38	21.1	0.0
20	QPSK	1	104	19.53	19.46	19.23		
20	QPSK	50	0	19.32	19.48	19.44		
20	QPSK	50	28	19.46	19.55	19.24	21.1	0.0
20	QPSK	50	56	19.36	19.49	19.27	21.1	0.0
20	QPSK	100	0	19.36	19.57	19.38		
20	16QAM	1	1	19.49	19.50	19.42		
20	64QAM	1	1	19.48	19.52	19.32	21.1	0.0
20	256QAM	1	1	19.48	19.46	19.17	21.1	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	19.31	19.61	19.40	21.1	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	19.29	19.57	19.32	21.1	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	19.29	19.59	19.32	21.1	0.0



n7 Ant5 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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.28	14.19	14.20	16.1	0.0
20	PI/2 BPSK	1	53	14.33	14.16	14.29		
20	PI/2 BPSK	1	104	14.32	14.18	14.24		
20	PI/2 BPSK	50	0	14.16	14.17	14.20	16.1	0.0
20	PI/2 BPSK	50	28	14.35	14.26	14.15	16.1	0.0
20	PI/2 BPSK	50	56	14.22	14.31	14.32	16.1	0.0
20	PI/2 BPSK	100	0	14.26	14.23	14.16		
20	QPSK	1	1	14.37	14.40	14.26		
20	QPSK	1	53	14.18	14.17	14.29	16.1	0.0
20	QPSK	1	104	14.13	14.19	14.38		
20	QPSK	50	0	14.26	14.12	14.17		
20	QPSK	50	28	14.12	14.30	14.22	16.1	0.0
20	QPSK	50	56	14.05	14.05	14.14	16.1	0.0
20	QPSK	100	0	14.23	14.24	14.17		
20	16QAM	1	1	14.24	14.20	14.29		
20	64QAM	1	1	14.35	14.19	14.16	16.1	0.0
20	256QAM	1	1	14.27	14.30	14.25	16.1	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	14.26	14.28	14.27	16.1	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	14.20	14.17	14.31	16.1	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	14.21	14.23	14.39	16.1	0.0



n38 Ant5 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				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	14.24	14.19	14.26	16.1	0.0
20	PI/2 BPSK	1	26	14.32	14.27	14.37		
20	PI/2 BPSK	1	49	14.26	14.45	14.27		
20	PI/2 BPSK	25	0	14.34	14.33	14.12	16.1	0.0
20	PI/2 BPSK	25	13	14.15	14.22	14.37	16.1	0.0
20	PI/2 BPSK	25	26	14.16	14.31	14.38	16.1	0.0
20	PI/2 BPSK	50	0	14.39	14.41	14.19		
20	QPSK	1	1	14.43	14.46	14.33		
20	QPSK	1	26	14.36	14.21	14.11	16.1	0.0
20	QPSK	1	49	14.17	14.38	14.30		
20	QPSK	25	0	14.37	14.34	14.23		
20	QPSK	25	13	14.37	14.38	14.23	16.1	0.0
20	QPSK	25	26	14.24	14.18	14.27	16.1	0.0
20	QPSK	50	0	14.23	14.33	14.32		
20	16QAM	1	1	14.24	14.33	14.36		
20	64QAM	1	1	14.24	14.19	14.34	16.1	0.0
20	256QAM	1	1	14.15	14.37	14.36	16.1	0.0

PC2&3 n41 Ant5 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.95	13.89	13.76	15.7	0.0
100	PI/2 BPSK	1	137	13.81	13.99	13.98		
100	PI/2 BPSK	1	271	13.85	13.95	13.90		
100	PI/2 BPSK	135	0	13.96	13.92	13.86	15.7	0.0
100	PI/2 BPSK	135	69	13.83	13.94	13.80	15.7	0.0
100	PI/2 BPSK	135	138	13.97	13.86	13.88	15.7	0.0
100	PI/2 BPSK	270	0	13.80	14.01	13.92		
100	QPSK	1	1	13.92	14.07	13.99		
100	QPSK	1	137	13.90	13.95	13.87	15.7	0.0
100	QPSK	1	271	13.79	14.01	13.78		
100	QPSK	135	0	14.02	13.92	13.78		
100	QPSK	135	69	13.91	14.05	13.89	15.7	0.0
100	QPSK	135	138	13.79	13.95	13.94	15.7	0.0
100	QPSK	270	0	13.84	14.01	13.85		
100	16QAM	1	1	13.74	13.79	13.95		
100	64QAM	1	1	13.90	13.93	13.90	15.7	0.0
100	256QAM	1	1	13.86	13.90	13.85	15.7	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	13.96	14.01	13.88	15.7	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	13.88	14.02	13.83	15.7	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.86	13.99	13.84	15.7	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.93	13.89	13.88	15.7	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.83	13.90	13.92	15.7	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	14.00	13.99	13.94	15.7	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.81	14.04	13.84	15.7	0.0



n7 Ant6 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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	12.07	11.94	12.13	13.6	0.0	
20	PI/2 BPSK	1	53	12.18	12.17	12.12			
20	PI/2 BPSK	1	104	12.09	12.14	11.88			
20	PI/2 BPSK	50	0	12.07	12.14	12.16	13.6	0.0	
20	PI/2 BPSK	50	28	12.04	12.07	12.11	13.6	0.0	
20	PI/2 BPSK	50	56	12.18	12.17	12.10	13.6	0.0	
20	PI/2 BPSK	100	0	12.20	11.99	12.23			
20	QPSK	1	1	12.25	12.26	12.14			
20	QPSK	1	53	11.90	12.05	12.08	13.6	0.0	
20	QPSK	1	104	12.03	12.06	12.06			
20	QPSK	50	0	11.79	12.11	12.08			
20	QPSK	50	28	12.13	12.25	12.05	13.6	0.0	
20	QPSK	50	56	11.93	12.14	12.11	13.6	0.0	
20	QPSK	100	0	12.12	12.18	12.12			
20	16QAM	1	1	12.10	12.20	11.78			
20	64QAM	1	1	12.08	11.94	11.85	13.6	0.0	
20	256QAM	1	1	11.98	11.98	12.10	13.6	0.0	
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	12.15	12.13	12.09	13.6	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	12.07	12.09	12.11	13.6	0.0	
Channel				500600	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	12.10	12.13	12.07	13.6	0.0	

n66 Ant6 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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	16.07	15.99	15.84	17.5	0.0	
20	PI/2 BPSK	1	53	16.09	15.91	16.02			
20	PI/2 BPSK	1	104	15.90	16.14	15.78			
20	PI/2 BPSK	50	0	15.96	16.00	16.03	17.5	0.0	
20	PI/2 BPSK	50	28	15.86	16.09	15.83	17.5	0.0	
20	PI/2 BPSK	50	56	15.93	16.07	16.01	17.5	0.0	
20	PI/2 BPSK	100	0	16.03	16.04	16.08			
20	QPSK	1	1	16.02	16.22	15.89			
20	QPSK	1	53	15.97	16.07	16.03	17.5	0.0	
20	QPSK	1	104	16.03	16.14	15.97			
20	QPSK	50	0	16.02	16.12	15.97			
20	QPSK	50	28	15.91	16.16	16.05	17.5	0.0	
20	QPSK	50	56	15.84	15.99	15.91	17.5	0.0	
20	QPSK	100	0	15.92	16.09	15.98			
20	16QAM	1	1	15.99	16.10	15.99			
20	64QAM	1	1	15.96	16.00	15.93	17.5	0.0	
20	256QAM	1	1	15.92	16.06	16.04	17.5	0.0	
Channel				343600	349000	354600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	15.98	16.06	15.97	17.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	15.96	16.04	15.99	17.5	0.0	
Channel				342600	349000	355600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	15.88	15.93	15.98	17.5	0.0	



n38 Ant6 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				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	12.03	12.25	12.01	13.8	0.0
20	PI/2 BPSK	1	26	11.97	12.23	11.99		
20	PI/2 BPSK	1	49	12.00	12.10	12.03		
20	PI/2 BPSK	25	0	12.10	12.10	11.98	13.8	0.0
20	PI/2 BPSK	25	13	11.94	12.25	11.98	13.8	0.0
20	PI/2 BPSK	25	26	12.04	12.11	12.03	13.8	0.0
20	PI/2 BPSK	50	0	12.06	12.13	12.12		
20	QPSK	1	1	12.12	12.27	12.15		
20	QPSK	1	26	12.07	12.14	12.12	13.8	0.0
20	QPSK	1	49	12.07	12.25	12.06		
20	QPSK	25	0	12.10	12.15	11.98	13.8	0.0
20	QPSK	25	13	12.00	12.20	12.11	13.8	0.0
20	QPSK	25	26	12.03	12.10	12.08	13.8	0.0
20	QPSK	50	0	11.96	12.19	12.13		
20	16QAM	1	1	12.06	12.21	11.98	13.8	0.0
20	64QAM	1	1	12.02	12.23	11.97	13.8	0.0
20	256QAM	1	1	12.04	12.22	12.01	13.8	0.0

PC2&3 n41 Ant6 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.26	12.45	12.20	13.8	0.0
100	PI/2 BPSK	1	137	12.21	12.45	12.28		
100	PI/2 BPSK	1	271	12.21	12.36	12.18		
100	PI/2 BPSK	135	0	12.19	12.41	12.23	13.8	0.0
100	PI/2 BPSK	135	69	12.25	12.34	12.29	13.8	0.0
100	PI/2 BPSK	135	138	12.18	12.39	12.24	13.8	0.0
100	PI/2 BPSK	270	0	12.24	12.31	12.32		
100	QPSK	1	1	12.32	12.47	12.36		
100	QPSK	1	137	12.22	12.37	12.19	13.8	0.0
100	QPSK	1	271	12.16	12.38	12.26		
100	QPSK	135	0	12.23	12.36	12.29	13.8	0.0
100	QPSK	135	69	12.24	12.39	12.30	13.8	0.0
100	QPSK	135	138	12.22	12.34	12.28	13.8	0.0
100	QPSK	270	0	12.23	12.37	12.28		
100	16QAM	1	1	12.29	12.38	12.32	13.8	0.0
100	64QAM	1	1	12.23	12.41	12.19	13.8	0.0
100	256QAM	1	1	12.21	12.30	12.24	13.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	12.29	12.43	12.31	13.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	12.27	12.35	12.31	13.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	12.21	12.36	12.24	13.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	12.19	12.37	12.28	13.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	12.19	12.32	12.32	13.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	12.30	12.33	12.43	13.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	12.22	12.41	12.33	13.8	0.0



n38 Ant9 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				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	18.19	18.17	17.98	19.8	0.0
20	PI/2 BPSK	1	26	18.14	18.17	18.02		
20	PI/2 BPSK	1	49	18.18	18.19	18.13		
20	PI/2 BPSK	25	0	18.14	18.28	18.00	19.8	0.0
20	PI/2 BPSK	25	13	18.12	18.14	18.04	19.8	0.0
20	PI/2 BPSK	25	26	18.06	18.15	18.12	19.8	0.0
20	PI/2 BPSK	50	0	18.17	18.14	18.09		
20	QPSK	1	1	18.21	18.31	18.15		
20	QPSK	1	26	18.11	18.24	18.10	19.8	0.0
20	QPSK	1	49	18.07	18.13	18.03		
20	QPSK	25	0	18.18	18.26	18.08		
20	QPSK	25	13	18.08	18.20	18.07	19.8	0.0
20	QPSK	25	26	18.08	18.24	18.08	19.8	0.0
20	QPSK	50	0	18.16	18.24	17.97		
20	16QAM	1	1	18.10	18.19	18.08		
20	64QAM	1	1	18.06	18.26	18.05	19.8	0.0
20	256QAM	1	1	18.08	18.20	18.05	19.8	0.0

PC2&3 n41 Ant9 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.24	18.24	18.25	19.8	0.0
100	PI/2 BPSK	1	137	18.20	18.25	18.24		
100	PI/2 BPSK	1	271	18.20	18.34	18.32		
100	PI/2 BPSK	135	0	18.21	18.28	18.31	19.8	0.0
100	PI/2 BPSK	135	69	18.27	18.33	18.32	19.8	0.0
100	PI/2 BPSK	135	138	18.28	18.33	18.29	19.8	0.0
100	PI/2 BPSK	270	0	18.24	18.30	18.19		
100	QPSK	1	1	18.37	18.38	18.36		
100	QPSK	1	137	18.23	18.28	18.25	19.8	0.0
100	QPSK	1	271	18.27	18.26	18.31		
100	QPSK	135	0	18.22	18.24	18.20		
100	QPSK	135	69	18.26	18.31	18.21	19.8	0.0
100	QPSK	135	138	18.29	18.21	18.28	19.8	0.0
100	QPSK	270	0	18.24	18.35	18.21		
100	16QAM	1	1	18.21	18.36	18.21		
100	64QAM	1	1	18.33	18.31	18.32	19.8	0.0
100	256QAM	1	1	18.26	18.25	18.25	19.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	18.25	18.32	18.33	19.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	109	18.25	18.34	18.19	19.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	18.35	18.20	18.31	19.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	18.23	18.35	18.20	19.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	53	18.20	18.30	18.25	19.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	18.33	18.36	18.20	19.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	18.24	18.26	18.18	19.8	0.0



Reduced Power level for DSI 9

n5 Ant0 DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				831	836.5	839			
20	PI/2 BPSK	1	1	21.07	21.09	21.17	22.8	0.0	
20	PI/2 BPSK	1	53	21.03	21.17	21.09			
20	PI/2 BPSK	1	104	20.99	21.19	21.07			
20	PI/2 BPSK	50	0	21.09	21.21	21.17	22.8	0.0	
20	PI/2 BPSK	50	28	20.91	21.21	21.15	22.8	0.0	
20	PI/2 BPSK	50	56	20.96	21.18	21.13	22.8	0.0	
20	PI/2 BPSK	100	0	21.02	21.02	21.13			
20	QPSK	1	1	21.10	21.23	21.17			
20	QPSK	1	53	21.00	21.13	21.03	22.8	0.0	
20	QPSK	1	104	21.00	21.21	21.03			
20	QPSK	50	0	21.10	21.09	21.06			
20	QPSK	50	28	20.88	21.16	21.13	22.8	0.0	
20	QPSK	50	56	21.07	21.10	21.09	22.8	0.0	
20	QPSK	100	0	21.03	21.12	21.11			
20	16QAM	1	1	21.08	21.09	21.10			
20	64QAM	1	1	21.05	21.01	20.96	22.8	0.0	
20	256QAM	1	1	20.98	21.20	21.13	22.8	0.0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	20.98	21.07	21.07	22.8	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	20.97	21.21	21.17	22.8	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	13	20.98	21.13	20.97	22.8	0.0	



n7 Ant1 DSI9									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.22	17.27	17.35	18.7	0.0	
20	PI/2 BPSK	1	53	17.35	17.36	17.42			
20	PI/2 BPSK	1	104	17.33	17.31	17.36			
20	PI/2 BPSK	50	0	17.22	17.41	17.39	18.7	0.0	
20	PI/2 BPSK	50	28	17.29	17.35	17.35	18.7	0.0	
20	PI/2 BPSK	50	56	17.14	17.29	17.33	18.7	0.0	
20	PI/2 BPSK	100	0	17.19	17.23	17.27			
20	QPSK	1	1	17.33	17.44	17.40	18.7	0.0	
20	QPSK	1	53	17.14	17.42	17.33			
20	QPSK	1	104	17.21	17.29	17.31			
20	QPSK	50	0	17.35	17.27	17.23	18.7	0.0	
20	QPSK	50	28	17.28	17.42	17.36	18.7	0.0	
20	QPSK	50	56	17.25	17.34	17.34	18.7	0.0	
20	QPSK	100	0	17.16	17.37	17.29			
20	16QAM	1	1	17.32	17.35	17.31	18.7	0.0	
20	64QAM	1	1	17.31	17.29	17.25	18.7	0.0	
20	256QAM	1	1	17.30	17.34	17.37	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.21	17.34	17.37	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.19	17.29	17.43	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.28	17.41	17.40	18.7	0.0	

n66 Ant1 DSI9									
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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	17.14	17.32	17.19	19.0	0.0	
20	PI/2 BPSK	1	53	17.13	17.36	17.28			
20	PI/2 BPSK	1	104	17.13	17.36	17.28			
20	PI/2 BPSK	50	0	17.12	17.41	17.28	19.0	0.0	
20	PI/2 BPSK	50	28	17.12	17.34	17.21	19.0	0.0	
20	PI/2 BPSK	50	56	17.18	17.40	17.18	19.0	0.0	
20	PI/2 BPSK	100	0	17.18	17.31	17.22			
20	QPSK	1	1	17.27	17.44	17.34	19.0	0.0	
20	QPSK	1	53	17.13	17.40	17.28			
20	QPSK	1	104	17.24	17.37	17.25			
20	QPSK	50	0	17.19	17.33	17.20	19.0	0.0	
20	QPSK	50	28	17.22	17.41	17.23	19.0	0.0	
20	QPSK	50	56	17.20	17.36	17.30	19.0	0.0	
20	QPSK	100	0	17.12	17.40	17.30			
20	16QAM	1	1	17.19	17.26	17.18	19.0	0.0	
20	64QAM	1	1	17.15	17.34	17.30	19.0	0.0	
20	256QAM	1	1	17.25	17.35	17.19	19.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	17.23	17.34	17.17	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.14	17.30	17.32	19.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	17.17	17.40	17.19	19.0	0.0	



n38 Ant1 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	16.38	16.39	16.46	18.0	0.0
20	PI/2 BPSK	1	26	16.33	16.53	16.31		
20	PI/2 BPSK	1	49	16.30	16.44	16.35		
20	PI/2 BPSK	25	0	16.31	16.49	16.41	18.0	0.0
20	PI/2 BPSK	25	13	16.32	16.42	16.34	18.0	0.0
20	PI/2 BPSK	25	26	16.44	16.41	16.35	18.0	0.0
20	PI/2 BPSK	50	0	16.45	16.64	16.32		
20	QPSK	1	1	16.59	16.68	16.49	18.0	0.0
20	QPSK	1	26	16.43	16.53	16.31		
20	QPSK	1	49	16.43	16.57	16.34		
20	QPSK	25	0	16.34	16.49	16.31	18.0	0.0
20	QPSK	25	13	16.29	16.55	16.27	18.0	0.0
20	QPSK	25	26	16.43	16.48	16.45	18.0	0.0
20	QPSK	50	0	16.40	16.48	16.34		
20	16QAM	1	1	16.41	16.40	16.29	18.0	0.0
20	64QAM	1	1	16.37	16.38	16.48	18.0	0.0
20	256QAM	1	1	16.41	16.60	16.33	18.0	0.0

PC2&3 n41 Ant1 DSI9								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.41	16.60	16.42	18.0	0.0
100	PI/2 BPSK	1	137	16.38	16.58	16.42		
100	PI/2 BPSK	1	271	16.46	16.59	16.36		
100	PI/2 BPSK	135	0	16.42	16.57	16.39	18.0	0.0
100	PI/2 BPSK	135	69	16.41	16.67	16.37	18.0	0.0
100	PI/2 BPSK	135	138	16.50	16.54	16.41	18.0	0.0
100	PI/2 BPSK	270	0	16.36	16.67	16.39		
100	QPSK	1	1	16.54	16.70	16.53	18.0	0.0
100	QPSK	1	137	16.47	16.61	16.45		
100	QPSK	1	271	16.40	16.68	16.51		
100	QPSK	135	0	16.39	16.66	16.47	18.0	0.0
100	QPSK	135	69	16.43	16.67	16.45	18.0	0.0
100	QPSK	135	138	16.42	16.55	16.37	18.0	0.0
100	QPSK	270	0	16.37	16.59	16.50		
100	16QAM	1	1	16.39	16.53	16.49	18.0	0.0
100	64QAM	1	1	16.38	16.64	16.43	18.0	0.0
100	256QAM	1	1	16.36	16.53	16.35	18.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.52	16.63	16.41	18.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	16.45	16.53	16.40	18.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.40	16.55	16.38	18.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	16.44	16.62	16.47	18.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.37	16.67	16.36	18.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.65	16.70	16.38	18.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.50	16.65	16.48	18.0	0.0



n5 Ant2 DS19

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	20.84	20.90	20.83	22.5	0.0
20	PI/2 BPSK	1	53	20.82	20.87	20.77		
20	PI/2 BPSK	1	104	20.78	20.79	20.79		
20	PI/2 BPSK	50	0	20.88	20.91	20.81		
20	PI/2 BPSK	50	28	20.86	20.82	20.77		
20	PI/2 BPSK	50	56	20.88	20.80	20.85		
20	PI/2 BPSK	100	0	20.86	20.78	20.85	22.5	0.0
20	QPSK	1	1	20.85	20.93	20.88	22.5	0.0
20	QPSK	1	53	20.80	20.86	20.82		
20	QPSK	1	104	20.82	20.80	20.80		
20	QPSK	50	0	20.87	20.85	20.82		
20	QPSK	50	28	20.84	20.85	20.80		
20	QPSK	50	56	20.83	20.76	20.77		
20	QPSK	100	0	20.80	20.87	20.84	22.5	0.0
20	16QAM	1	1	20.81	20.90	20.77	22.5	0.0
20	64QAM	1	1	20.77	20.80	20.86	22.5	0.0
20	256QAM	1	1	20.79	20.84	20.82	22.5	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.75	20.85	20.79	22.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.86	20.85	20.79	22.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	20.76	20.85	20.79	22.5	0.0



n7 Ant5 DSI9

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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.64	16.64	16.59	18.3	0.0
20	PI/2 BPSK	1	53	16.74	16.71	16.60		
20	PI/2 BPSK	1	104	16.63	16.73	16.59		
20	PI/2 BPSK	50	0	16.64	16.73	16.50	18.3	0.0
20	PI/2 BPSK	50	28	16.63	16.71	16.54	18.3	0.0
20	PI/2 BPSK	50	56	16.69	16.66	16.62	18.3	0.0
20	PI/2 BPSK	100	0	16.74	16.73	16.58		
20	QPSK	1	1	16.72	16.75	16.62		
20	QPSK	1	53	16.68	16.63	16.50	18.3	0.0
20	QPSK	1	104	16.62	16.66	16.65		
20	QPSK	50	0	16.66	16.71	16.66		
20	QPSK	50	28	16.72	16.73	16.54	18.3	0.0
20	QPSK	50	56	16.72	16.71	16.54	18.3	0.0
20	QPSK	100	0	16.63	16.70	16.50		
20	16QAM	1	1	16.64	16.66	16.59		
20	64QAM	1	1	16.62	16.65	16.59	18.3	0.0
20	256QAM	1	1	16.63	16.64	16.51	18.3	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	16.69	16.62	16.51	18.3	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	16.71	16.71	16.58	18.3	0.0
Channel				500900	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	16.64	16.66	16.56	18.3	0.0



n38 Ant5 DSI9								
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				2580	2595	2610		
Frequency (MHz)								
20	PI/2 BPSK	1	1	17.11	17.19	17.18	18.8	0.0
20	PI/2 BPSK	1	26	17.09	17.26	17.06		
20	PI/2 BPSK	1	49	17.09	17.18	17.07		
20	PI/2 BPSK	25	0	17.23	17.25	17.14	18.8	0.0
20	PI/2 BPSK	25	13	17.13	17.18	17.08	18.8	0.0
20	PI/2 BPSK	25	26	17.19	17.25	17.04	18.8	0.0
20	PI/2 BPSK	50	0	17.16	17.23	17.04		
20	QPSK	1	1	17.22	17.28	17.16	18.8	0.0
20	QPSK	1	26	17.22	17.27	17.08		
20	QPSK	1	49	17.10	17.22	17.09		
20	QPSK	25	0	17.22	17.18	17.10	18.8	0.0
20	QPSK	25	13	17.13	17.27	17.03	18.8	0.0
20	QPSK	25	26	17.17	17.24	17.09	18.8	0.0
20	QPSK	50	0	17.22	17.24	17.13		
20	16QAM	1	1	17.11	17.22	17.11	18.8	0.0
20	64QAM	1	1	17.09	17.24	17.10	18.8	0.0
20	256QAM	1	1	17.10	17.20	17.12	18.8	0.0

PC2&3 n41 Ant5 DSI9								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.20	17.31	17.19	18.8	0.0
100	PI/2 BPSK	1	137	17.26	17.24	17.13		
100	PI/2 BPSK	1	271	17.14	17.24	17.14		
100	PI/2 BPSK	135	0	17.22	17.25	17.24	18.8	0.0
100	PI/2 BPSK	135	69	17.21	17.27	17.11	18.8	0.0
100	PI/2 BPSK	135	138	17.17	17.31	17.19	18.8	0.0
100	PI/2 BPSK	270	0	17.25	17.30	17.16		
100	QPSK	1	1	17.24	17.37	17.22	18.8	0.0
100	QPSK	1	137	17.20	17.22	17.21		
100	QPSK	1	271	17.25	17.24	17.17		
100	QPSK	135	0	17.22	17.26	17.17	18.8	0.0
100	QPSK	135	69	17.11	17.32	17.24	18.8	0.0
100	QPSK	135	138	17.18	17.23	17.12	18.8	0.0
100	QPSK	270	0	17.16	17.30	17.14		
100	16QAM	1	1	17.19	17.26	17.23	18.8	0.0
100	64QAM	1	1	17.23	17.28	17.22	18.8	0.0
100	256QAM	1	1	17.18	17.26	17.25	18.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.19	17.21	17.21	18.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.16	17.25	17.23	18.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.21	17.25	17.21	18.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.11	17.24	17.21	18.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.19	17.26	17.16	18.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.22	17.29	17.20	18.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.12	17.34	17.23	18.8	0.0



n7 Ant6 DSI9									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	14.93	15.03	14.86	16.2	0.0	
20	PI/2 BPSK	1	53	14.93	14.97	14.84			
20	PI/2 BPSK	1	104	14.89	15.04	14.95			
20	PI/2 BPSK	50	0	14.87	15.00	14.86	16.2	0.0	
20	PI/2 BPSK	50	28	14.96	15.03	14.99	16.2	0.0	
20	PI/2 BPSK	50	56	14.95	15.00	14.91	16.2	0.0	
20	PI/2 BPSK	100	0	14.96	14.95	14.92	16.2	0.0	
20	QPSK	1	1	14.96	15.09	15.01	16.2	0.0	
20	QPSK	1	53	14.95	15.02	14.95			
20	QPSK	1	104	14.86	15.00	14.94			
20	QPSK	50	0	14.80	15.02	15.00	16.2	0.0	
20	QPSK	50	28	14.88	15.05	15.00	16.2	0.0	
20	QPSK	50	56	14.90	14.98	14.82	16.2	0.0	
20	QPSK	100	0	15.00	15.03	14.91	16.2	0.0	
20	16QAM	1	1	14.94	15.02	14.90	16.2	0.0	
20	64QAM	1	1	14.95	15.01	14.90	16.2	0.0	
20	256QAM	1	1	14.98	15.07	14.97	16.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	14.90	15.06	14.88	16.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	14.83	14.99	14.90	16.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	14.88	15.01	14.90	16.2	0.0	

n66 Ant6 DSI9									
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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	18.82	18.89	18.78	20.2	0.0	
20	PI/2 BPSK	1	53	18.85	18.83	18.77			
20	PI/2 BPSK	1	104	18.81	18.87	18.75			
20	PI/2 BPSK	50	0	18.76	18.79	18.80	20.2	0.0	
20	PI/2 BPSK	50	28	18.87	18.86	18.80	20.2	0.0	
20	PI/2 BPSK	50	56	18.79	18.82	18.67	20.2	0.0	
20	PI/2 BPSK	100	0	18.76	18.87	18.67	20.2	0.0	
20	QPSK	1	1	18.85	18.91	18.79	20.2	0.0	
20	QPSK	1	53	18.82	18.90	18.76			
20	QPSK	1	104	18.80	18.82	18.79			
20	QPSK	50	0	18.75	18.85	18.73	20.2	0.0	
20	QPSK	50	28	18.80	18.90	18.75	20.2	0.0	
20	QPSK	50	56	18.81	18.89	18.81	20.2	0.0	
20	QPSK	100	0	18.80	18.87	18.70	20.2	0.0	
20	16QAM	1	1	18.82	18.90	18.75	20.2	0.0	
20	64QAM	1	1	18.79	18.89	18.68	20.2	0.0	
20	256QAM	1	1	18.85	18.78	18.67	20.2	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	18.75	18.82	18.77	20.2	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	18.72	18.80	18.71	20.2	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	18.85	18.86	18.77	20.2	0.0	



n38 Ant6 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	14.58	14.71	14.64	16.4	0.0
20	PI/2 BPSK	1	26	14.60	14.63	14.53		
20	PI/2 BPSK	1	49	14.72	14.75	14.58		
20	PI/2 BPSK	25	0	14.66	14.69	14.66	16.4	0.0
20	PI/2 BPSK	25	13	14.67	14.71	14.61	16.4	0.0
20	PI/2 BPSK	25	26	14.58	14.64	14.63	16.4	0.0
20	PI/2 BPSK	50	0	14.66	14.69	14.58		
20	QPSK	1	1	14.71	14.76	14.64		
20	QPSK	1	26	14.74	14.68	14.64	16.4	0.0
20	QPSK	1	49	14.61	14.72	14.66		
20	QPSK	25	0	14.71	14.68	14.59		
20	QPSK	25	13	14.71	14.72	14.66	16.4	0.0
20	QPSK	25	26	14.63	14.66	14.56	16.4	0.0
20	QPSK	50	0	14.59	14.68	14.61		
20	16QAM	1	1	14.63	14.75	14.67		
20	64QAM	1	1	14.69	14.64	14.63	16.4	0.0
20	256QAM	1	1	14.74	14.68	14.62	16.4	0.0

PC2&3 n41 Ant6 DSI9								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.86	14.96	14.78	16.4	0.0
100	PI/2 BPSK	1	137	14.87	14.96	14.79		
100	PI/2 BPSK	1	271	14.87	14.91	14.91		
100	PI/2 BPSK	135	0	14.89	14.91	14.92	16.4	0.0
100	PI/2 BPSK	135	69	14.95	14.89	14.84	16.4	0.0
100	PI/2 BPSK	135	138	14.85	14.98	14.88	16.4	0.0
100	PI/2 BPSK	270	0	14.94	14.99	14.85		
100	QPSK	1	1	14.93	15.00	14.90		
100	QPSK	1	137	14.86	14.98	14.86	16.4	0.0
100	QPSK	1	271	14.92	14.96	14.89		
100	QPSK	135	0	14.89	14.92	14.89		
100	QPSK	135	69	14.84	14.95	14.78	16.4	0.0
100	QPSK	135	138	14.80	14.91	14.80	16.4	0.0
100	QPSK	270	0	14.86	14.99	14.81		
100	16QAM	1	1	14.83	14.89	14.92		
100	64QAM	1	1	14.96	14.96	14.86	16.4	0.0
100	256QAM	1	1	14.82	14.90	14.90	16.4	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	14.81	14.91	14.78	16.4	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	14.95	14.89	14.85	16.4	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	14.82	14.88	14.87	16.4	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	14.82	14.89	14.81	16.4	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	14.93	14.97	14.86	16.4	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	14.90	14.88	14.86	16.4	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	14.84	14.91	14.86	16.4	0.0



n38 Ant9 DSI9								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	18.73	18.76	18.69	20.1	0.0
20	PI/2 BPSK	1	26	18.59	18.71	18.67		
20	PI/2 BPSK	1	49	18.66	18.70	18.67		
20	PI/2 BPSK	25	0	18.71	18.73	18.63	20.1	0.0
20	PI/2 BPSK	25	13	18.61	18.71	18.69	20.1	0.0
20	PI/2 BPSK	25	26	18.66	18.76	18.75	20.1	0.0
20	PI/2 BPSK	50	0	18.73	18.76	18.65	20.1	0.0
20	QPSK	1	1	18.70	18.82	18.73	20.1	0.0
20	QPSK	1	26	18.71	18.77	18.69		
20	QPSK	1	49	18.66	18.70	18.62		
20	QPSK	25	0	18.59	18.81	18.73	20.1	0.0
20	QPSK	25	13	18.69	18.79	18.72	20.1	0.0
20	QPSK	25	26	18.61	18.80	18.70	20.1	0.0
20	QPSK	50	0	18.65	18.79	18.61	20.1	0.0
20	16QAM	1	1	18.63	18.75	18.73	20.1	0.0
20	64QAM	1	1	18.69	18.79	18.74	20.1	0.0
20	256QAM	1	1	18.64	18.72	18.71	20.1	0.0

PC3&2 n41 Ant6 DSI9								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.91	18.86	18.74	20.1	0.0
100	PI/2 BPSK	1	137	18.91	18.87	18.85		
100	PI/2 BPSK	1	271	18.97	18.94	18.81		
100	PI/2 BPSK	135	0	18.92	18.92	18.77	20.1	0.0
100	PI/2 BPSK	135	69	18.92	18.95	18.77	20.1	0.0
100	PI/2 BPSK	135	138	18.86	18.88	18.85	20.1	0.0
100	PI/2 BPSK	270	0	18.83	18.87	18.79		
100	QPSK	1	1	18.84	18.98	18.78		
100	QPSK	1	137	18.87	18.85	18.86	20.1	0.0
100	QPSK	1	271	18.83	18.91	18.84	20.1	0.0
100	QPSK	135	0	18.93	18.89	18.87	20.1	0.0
100	QPSK	135	69	18.85	18.97	18.90	20.1	0.0
100	QPSK	135	138	18.91	18.86	18.77	20.1	0.0
100	QPSK	270	0	18.84	18.95	18.76		
100	16QAM	1	1	18.96	18.93	18.88		
100	64QAM	1	1	18.90	18.96	18.84	20.1	0.0
100	256QAM	1	1	18.92	18.99	18.90	20.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	18.85	18.87	18.87	20.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	18.85	18.95	18.81	20.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	18.90	18.89	18.84	20.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	18.85	18.94	18.87	20.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	18.94	18.92	18.77	20.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	18.90	18.88	18.92	20.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	18.86	18.96	18.82	20.1	0.0



Reduced Power level for DSI11

n5 Ant0 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167600		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.73	21.79	21.76	23.5	0.0
20	PI/2 BPSK	1	53	21.77	21.84	21.75		
20	PI/2 BPSK	1	104	21.79	21.79	21.85		
20	PI/2 BPSK	50	0	21.73	21.82	21.73	23.5	0.0
20	PI/2 BPSK	50	28	21.86	21.87	21.78	23.5	0.0
20	PI/2 BPSK	50	56	21.79	21.81	21.85	23.5	0.0
20	PI/2 BPSK	100	0	21.72	21.87	21.75		
20	QPSK	1	1	21.84	21.81	21.76		
20	QPSK	1	53	21.72	21.81	21.75	23.5	0.0
20	QPSK	1	104	21.81	21.85	21.75		
20	QPSK	50	0	21.81	21.83	21.76	23.5	0.0
20	QPSK	50	28	21.73	21.89	21.78	23.5	0.0
20	QPSK	50	56	21.76	21.78	21.77	23.5	0.0
20	QPSK	100	0	21.73	21.86	21.70		
20	16QAM	1	1	21.86	21.83	21.74		
20	64QAM	1	1	21.79	21.85	21.84	23.5	0.0
20	256QAM	1	1	21.84	21.76	21.73	23.5	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	40	21.85	21.80	21.75	23.5	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	26	21.77	21.83	21.67	23.5	0.0
Channel				165300	167300	169300		
Frequency (MHz)				823.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	13	21.83	21.75	21.67	23.5	0.0



n7 Ant1 DSI11									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.75	17.84	17.83	19.4	0.0	
20	PI/2 BPSK	1	53	17.77	17.80	17.96			
20	PI/2 BPSK	1	104	17.81	17.84	17.84			
20	PI/2 BPSK	50	0	17.78	17.92	17.89	19.4	0.0	
20	PI/2 BPSK	50	28	17.78	17.90	17.79	19.4	0.0	
20	PI/2 BPSK	50	56	17.59	17.72	17.84	19.4	0.0	
20	PI/2 BPSK	100	0	17.64	17.69	17.77			
20	QPSK	1	1	17.90	18.02	17.83			
20	QPSK	1	53	17.70	17.93	17.87	19.4	0.0	
20	QPSK	1	104	17.78	17.78	17.88			
20	QPSK	50	0	17.79	17.85	17.71			
20	QPSK	50	28	17.81	17.95	17.93	19.4	0.0	
20	QPSK	50	56	17.68	17.78	17.84	19.4	0.0	
20	QPSK	100	0	17.59	17.90	17.74			
20	16QAM	1	1	17.84	17.81	17.77			
20	64QAM	1	1	17.86	17.80	17.77	19.4	0.0	
20	256QAM	1	1	17.73	17.92	17.91	19.4	0.0	
Channel				501600	507000	512600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	17.79	17.75	17.79	19.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.79	17.87	17.88	19.4	0.0	
Channel				500600	507000	513600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	17.78	17.77	17.81	19.4	0.0	

n66 Ant1 DSI11									
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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	17.93	17.92	17.84	19.7	0.0	
20	PI/2 BPSK	1	53	17.98	18.00	17.80			
20	PI/2 BPSK	1	104	17.96	17.95	17.94			
20	PI/2 BPSK	50	0	18.01	17.95	17.91	19.7	0.0	
20	PI/2 BPSK	50	28	17.95	17.91	17.88	19.7	0.0	
20	PI/2 BPSK	50	56	18.01	18.03	17.85	19.7	0.0	
20	PI/2 BPSK	100	0	17.90	18.01	17.85			
20	QPSK	1	1	17.99	18.06	17.92			
20	QPSK	1	53	17.94	17.96	17.80	19.7	0.0	
20	QPSK	1	104	17.91	18.05	17.79			
20	QPSK	50	0	17.88	17.96	17.82			
20	QPSK	50	28	17.97	18.05	17.94	19.7	0.0	
20	QPSK	50	56	17.91	17.95	17.83	19.7	0.0	
20	QPSK	100	0	17.90	18.00	17.84			
20	16QAM	1	1	17.93	18.00	17.91			
20	64QAM	1	1	17.90	18.05	17.79	19.7	0.0	
20	256QAM	1	1	17.83	17.91	17.88	19.7	0.0	
Channel				343600	349000	354600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	17.99	17.93	17.90	19.7	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.89	18.02	17.85	19.7	0.0	
Channel				342600	349000	355600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	17.88	18.05	17.80	19.7	0.0	



n38 Ant1 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.17	17.22	17.15	18.7	0.0
20	PI/2 BPSK	1	26	17.17	17.17	17.26		
20	PI/2 BPSK	1	49	17.10	17.19	17.17		
20	PI/2 BPSK	25	0	17.12	17.24	17.22	18.7	0.0
20	PI/2 BPSK	25	13	17.11	17.21	17.15	18.7	0.0
20	PI/2 BPSK	25	26	17.14	17.25	17.20	18.7	0.0
20	PI/2 BPSK	50	0	17.12	17.16	17.22		
20	QPSK	1	1	17.20	17.28	17.26	18.7	0.0
20	QPSK	1	26	17.17	17.18	17.20		
20	QPSK	1	49	17.18	17.21	17.20		
20	QPSK	25	0	17.19	17.22	17.13	18.7	0.0
20	QPSK	25	13	17.17	17.26	17.19	18.7	0.0
20	QPSK	25	26	17.10	17.19	17.21	18.7	0.0
20	QPSK	50	0	17.17	17.25	17.23		
20	16QAM	1	1	17.17	17.16	17.27	18.7	0.0
20	64QAM	1	1	17.09	17.16	17.22	18.7	0.0
20	256QAM	1	1	17.07	17.18	17.11	18.7	0.0

PC2&3 n41 Ant1 DSI11								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.20	17.29	17.21	18.7	0.0
100	PI/2 BPSK	1	137	17.21	17.32	17.20		
100	PI/2 BPSK	1	271	17.19	17.24	17.23		
100	PI/2 BPSK	135	0	17.14	17.21	17.13	18.7	0.0
100	PI/2 BPSK	135	69	17.13	17.25	17.21	18.7	0.0
100	PI/2 BPSK	135	138	17.18	17.21	17.20	18.7	0.0
100	PI/2 BPSK	270	0	17.24	17.23	17.13		
100	QPSK	1	1	17.25	17.34	17.23	18.7	0.0
100	QPSK	1	137	17.24	17.25	17.11		
100	QPSK	1	271	17.19	17.25	17.15		
100	QPSK	135	0	17.12	17.29	17.22	18.7	0.0
100	QPSK	135	69	17.21	17.32	17.23	18.7	0.0
100	QPSK	135	138	17.19	17.29	17.13	18.7	0.0
100	QPSK	270	0	17.21	17.29	17.19		
100	16QAM	1	1	17.25	17.23	17.10	18.7	0.0
100	64QAM	1	1	17.19	17.32	17.14	18.7	0.0
100	256QAM	1	1	17.15	17.29	17.13	18.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.14	17.24	17.19	18.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.14	17.28	17.11	18.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.23	17.24	17.15	18.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.18	17.23	17.19	18.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.21	17.33	17.16	18.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.26	17.30	17.34	18.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.16	17.22	17.24	18.7	0.0



n5 Ant2 DSI11

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	21.33	21.37	21.26	23.2	0.0
20	PI/2 BPSK	1	53	21.30	21.39	21.27		
20	PI/2 BPSK	1	104	21.30	21.41	21.31		
20	PI/2 BPSK	50	0	21.27	21.43	21.24	23.2	0.0
20	PI/2 BPSK	50	28	21.33	21.36	21.28	23.2	0.0
20	PI/2 BPSK	50	56	21.35	21.37	21.27	23.2	0.0
20	PI/2 BPSK	100	0	21.32	21.45	21.29		
20	QPSK	1	1	21.41	21.50	21.37		
20	QPSK	1	53	21.34	21.44	21.26	23.2	0.0
20	QPSK	1	104	21.30	21.36	21.29		
20	QPSK	50	0	21.35	21.44	21.30		
20	QPSK	50	28	21.35	21.42	21.30	23.2	0.0
20	QPSK	50	56	21.34	21.43	21.31	23.2	0.0
20	QPSK	100	0	21.29	21.38	21.24		
20	16QAM	1	1	21.32	21.37	21.28		
20	64QAM	1	1	21.31	21.43	21.26	23.2	0.0
20	256QAM	1	1	21.31	21.37	21.22	23.2	0.0
Channel				166800	167300	168300	Tune-up limit	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	21.31	21.35	21.29	23.2	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826	836.5	844	(dBm)	(dB)
10	QPSK	1	1	21.28	21.35	21.24	23.2	0.0
Channel				165300	167300	169300	Tune-up limit	MPR
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	21.31	21.37	21.31	23.2	0.0



n7 Ant5 DSI11

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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	17.21	17.31	17.17	19.0	0.0
20	PI/2 BPSK	1	53	17.26	17.31	17.25		
20	PI/2 BPSK	1	104	17.26	17.28	17.23		
20	PI/2 BPSK	50	0	17.28	17.31	17.24	19.0	0.0
20	PI/2 BPSK	50	28	17.20	17.25	17.25	19.0	0.0
20	PI/2 BPSK	50	56	17.26	17.32	17.21	19.0	0.0
20	PI/2 BPSK	100	0	17.26	17.29	17.16		
20	QPSK	1	1	17.32	17.37	17.28		
20	QPSK	1	53	17.22	17.28	17.19	19.0	0.0
20	QPSK	1	104	17.29	17.29	17.25		
20	QPSK	50	0	17.24	17.27	17.23		
20	QPSK	50	28	17.28	17.30	17.25	19.0	0.0
20	QPSK	50	56	17.22	17.29	17.20	19.0	0.0
20	QPSK	100	0	17.25	17.28	17.18		
20	16QAM	1	1	17.21	17.30	17.16		
20	64QAM	1	1	17.20	17.31	17.25	19.0	0.0
20	256QAM	1	1	17.26	17.31	17.25	19.0	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	17.27	17.28	17.21	19.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	17.21	17.26	17.17	19.0	0.0
Channel				500900	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	17.22	17.30	17.26	19.0	0.0



n38 Ant5 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	17.65	17.77	17.67	19.5	0.0
20	PI/2 BPSK	1	26	17.68	17.75	17.64		
20	PI/2 BPSK	1	49	17.68	17.75	17.64	19.5	0.0
20	PI/2 BPSK	25	0	17.66	17.71	17.64		
20	PI/2 BPSK	25	13	17.71	17.76	17.69	19.5	0.0
20	PI/2 BPSK	25	26	17.70	17.71	17.68		
20	PI/2 BPSK	50	0	17.72	17.74	17.70	19.5	0.0
20	QPSK	1	1	17.76	17.81	17.76		
20	QPSK	1	26	17.66	17.71	17.73	19.5	0.0
20	QPSK	1	49	17.73	17.73	17.68		
20	QPSK	25	0	17.70	17.70	17.66	19.5	0.0
20	QPSK	25	13	17.65	17.75	17.74		
20	QPSK	25	26	17.72	17.74	17.67	19.5	0.0
20	QPSK	50	0	17.70	17.73	17.68		
20	16QAM	1	1	17.73	17.70	17.67	19.5	0.0
20	64QAM	1	1	17.72	17.73	17.73		
20	256QAM	1	1	17.68	17.79	17.71	19.5	0.0

PC2&3 n41 Ant5 DSI11								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.77	17.82	17.75	19.5	0.0
100	PI/2 BPSK	1	137	17.79	17.86	17.69		
100	PI/2 BPSK	1	271	17.83	17.85	17.67	19.5	0.0
100	PI/2 BPSK	135	0	17.75	17.82	17.67		
100	PI/2 BPSK	135	69	17.79	17.85	17.75	19.5	0.0
100	PI/2 BPSK	135	138	17.74	17.87	17.72		
100	PI/2 BPSK	270	0	17.74	17.85	17.69	19.5	0.0
100	QPSK	1	1	17.86	17.90	17.78		
100	QPSK	1	137	17.83	17.83	17.73	19.5	0.0
100	QPSK	1	271	17.76	17.87	17.71		
100	QPSK	135	0	17.77	17.82	17.69	19.5	0.0
100	QPSK	135	69	17.79	17.87	17.66		
100	QPSK	135	138	17.78	17.78	17.72	19.5	0.0
100	QPSK	270	0	17.80	17.83	17.74		
100	16QAM	1	1	17.83	17.87	17.73	19.5	0.0
100	64QAM	1	1	17.76	17.78	17.71		
100	256QAM	1	1	17.83	17.83	17.69	19.5	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	17.84	17.81	17.70	19.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	17.84	17.85	17.74	19.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	17.74	17.84	17.75	19.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	17.76	17.85	17.68	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	17.82	17.83	17.67	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	17.88	17.90	17.76	19.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	17.83	17.82	17.72	19.5	0.0



n7 Ant6 DSI11									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.46	15.53	15.37	16.9	0.0	
20	PI/2 BPSK	1	53	15.44	15.50	15.37			
20	PI/2 BPSK	1	104	15.47	15.48	15.43			
20	PI/2 BPSK	50	0	15.40	15.45	15.36	16.9	0.0	
20	PI/2 BPSK	50	28	15.44	15.48	15.40	16.9	0.0	
20	PI/2 BPSK	50	56	15.45	15.48	15.42	16.9	0.0	
20	PI/2 BPSK	100	0	15.40	15.46	15.36			
20	PI/2 BPSK	1	1	15.54	15.60	15.48			
20	QPSK	1	53	15.41	15.46	15.40	16.9	0.0	
20	QPSK	1	104	15.42	15.48	15.41			
20	QPSK	50	0	15.48	15.50	15.40			
20	QPSK	50	28	15.49	15.53	15.40	16.9	0.0	
20	QPSK	50	56	15.42	15.50	15.34	16.9	0.0	
20	QPSK	100	0	15.49	15.52	15.39			
20	16QAM	1	1	15.45	15.53	15.38			
20	64QAM	1	1	15.46	15.53	15.33	16.9	0.0	
20	256QAM	1	1	15.45	15.53	15.38	16.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	16.9	0.0	
15	QPSK	1	40	15.40	15.52	15.42	16.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	16.9	0.0	
10	QPSK	1	26	15.45	15.52	15.38	16.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	16.9	0.0	
5	QPSK	1	13	15.44	15.46	15.41	16.9	0.0	

n66 Ant6 DSI11									
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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	19.37	19.45	19.35	20.9	0.0	
20	PI/2 BPSK	1	53	19.38	19.47	19.35			
20	PI/2 BPSK	1	104	19.37	19.45	19.35			
20	PI/2 BPSK	50	0	19.37	19.47	19.35	20.9	0.0	
20	PI/2 BPSK	50	28	19.38	19.46	19.36	20.9	0.0	
20	PI/2 BPSK	50	56	19.36	19.45	19.34			
20	PI/2 BPSK	100	0	19.37	19.46	19.36			
20	QPSK	1	1	19.47	19.56	19.45	20.9	0.0	
20	QPSK	1	53	19.36	19.47	19.35			
20	QPSK	1	104	19.37	19.46	19.34			
20	QPSK	50	0	19.37	19.46	19.35	20.9	0.0	
20	QPSK	50	28	19.37	19.47	19.35	20.9	0.0	
20	QPSK	50	56	19.38	19.46	19.35			
20	QPSK	100	0	19.38	19.46	19.35			
20	16QAM	1	1	19.37	19.45	19.36	20.9	0.0	
20	64QAM	1	1	19.36	19.46	19.35	20.9	0.0	
20	256QAM	1	1	19.38	19.46	19.36	20.9	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	20.9	0.0	
15	QPSK	1	40	19.37	19.46	19.35	20.9	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	20.9	0.0	
10	QPSK	1	26	19.37	19.46	19.34	20.9	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	20.9	0.0	
5	QPSK	1	13	19.36	19.46	19.34	20.9	0.0	



n38 Ant6 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	15.26	15.35	15.24	17.1	0.0
20	PI/2 BPSK	1	26	15.25	15.34	15.23		
20	PI/2 BPSK	1	49	15.25	15.36	15.25		
20	PI/2 BPSK	25	0	15.26	15.36	15.25	17.1	0.0
20	PI/2 BPSK	25	13	15.24	15.35	15.24	17.1	0.0
20	PI/2 BPSK	25	26	15.26	15.36	15.23	17.1	0.0
20	PI/2 BPSK	50	0	15.25	15.34	15.24		
20	PI/2 BPSK	1	1	15.30	15.40	15.29		
20	QPSK	1	26	15.25	15.36	15.23	17.1	0.0
20	QPSK	1	49	15.26	15.35	15.25		
20	QPSK	25	0	15.25	15.34	15.24		
20	QPSK	25	13	15.26	15.36	15.24	17.1	0.0
20	QPSK	25	26	15.26	15.34	15.25	17.1	0.0
20	QPSK	50	0	15.25	15.35	15.24		
20	16QAM	1	1	15.25	15.35	15.24		
20	64QAM	1	1	15.11	15.22	15.24	17.1	0.0
20	256QAM	1	1	15.18	15.36	15.24	17.1	0.0

PC2&3 n41 Ant6 DSI11								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.17	15.34	15.36	17.1	0.0
100	PI/2 BPSK	1	137	15.18	15.48	15.53		
100	PI/2 BPSK	1	271	15.12	15.41	15.47		
100	PI/2 BPSK	135	0	15.30	15.48	15.34	17.1	0.0
100	PI/2 BPSK	135	69	15.14	15.35	15.34	17.1	0.0
100	PI/2 BPSK	135	138	15.23	15.40	15.36	17.1	0.0
100	PI/2 BPSK	270	0	15.23	15.34	15.33		
100	PI/2 BPSK	1	1	15.34	15.54	15.52		
100	QPSK	1	137	15.22	15.51	15.37	17.1	0.0
100	QPSK	1	271	15.15	15.32	15.38		
100	QPSK	135	0	15.21	15.40	15.32		
100	QPSK	135	69	15.29	15.44	15.40	17.1	0.0
100	QPSK	135	138	15.28	15.42	15.14	17.1	0.0
100	QPSK	270	0	15.20	15.40	15.39		
100	16QAM	1	1	15.20	15.36	15.50		
100	64QAM	1	1	15.14	15.51	15.40	17.1	0.0
100	256QAM	1	1	15.24	15.39	15.45	17.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	15.27	15.48	15.41	17.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	15.35	15.37	15.34	17.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	15.12	15.53	15.50	17.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	15.36	15.50	15.47	17.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	15.31	15.49	15.49	17.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	15.33	15.43	15.50	17.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	15.21	15.53	15.43	17.1	0.0



n38 Ant9 DSI11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	19.17	19.20	18.98	20.8	0.0
20	PI/2 BPSK	1	26	19.10	19.21	19.20		
20	PI/2 BPSK	1	49	19.15	19.20	19.07		
20	PI/2 BPSK	25	0	19.06	19.19	19.09	20.8	0.0
20	PI/2 BPSK	25	13	19.20	19.23	19.04	20.8	0.0
20	PI/2 BPSK	25	26	19.12	19.26	19.14	20.8	0.0
20	PI/2 BPSK	50	0	19.10	19.19	19.17		
20	QPSK	1	1	19.23	19.28	19.20		
20	QPSK	1	26	19.05	19.23	19.12	20.8	0.0
20	QPSK	1	49	19.25	19.23	19.09		
20	QPSK	25	0	19.14	19.19	19.16		
20	QPSK	25	13	19.16	19.24	19.08	20.8	0.0
20	QPSK	25	26	19.11	19.20	19.11	20.8	0.0
20	QPSK	50	0	19.12	19.15	19.05		
20	16QAM	1	1	19.17	19.17	19.00		
20	64QAM	1	1	19.16	19.11	19.03	20.8	0.0
20	256QAM	1	1	19.21	19.22	19.09	20.8	0.0

PC2&3 n41 Ant9 DSI11								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.23	19.38	19.08	20.8	0.0
100	PI/2 BPSK	1	137	19.16	19.45	19.23		
100	PI/2 BPSK	1	271	19.16	19.45	19.16		
100	PI/2 BPSK	135	0	19.25	19.27	19.18	20.8	0.0
100	PI/2 BPSK	135	69	19.29	19.42	19.19	20.8	0.0
100	PI/2 BPSK	135	138	19.28	19.30	19.11	20.8	0.0
100	PI/2 BPSK	270	0	19.19	19.27	19.14		
100	QPSK	1	1	19.29	19.48	19.30		
100	QPSK	1	137	19.30	19.38	19.27	20.8	0.0
100	QPSK	1	271	19.19	19.27	19.29		
100	QPSK	135	0	19.13	19.30	19.28		
100	QPSK	135	69	19.21	19.33	19.17	20.8	0.0
100	QPSK	135	138	19.15	19.31	19.20	20.8	0.0
100	QPSK	270	0	19.17	19.28	19.12		
100	16QAM	1	1	19.13	19.34	19.26		
100	64QAM	1	1	19.15	19.29	19.11	20.8	0.0
100	256QAM	1	1	19.13	19.31	19.27	20.8	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	19.11	19.27	19.29	20.8	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	19.15	19.40	19.18	20.8	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	19.13	19.38	19.11	20.8	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	19.30	19.27	19.23	20.8	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	19.19	19.36	19.28	20.8	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	19.30	19.28	19.41	20.8	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	19.20	19.26	19.31	20.8	0.0



Reduced Power level for DSI 13

n5 Ant0 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	22.8	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.08	21.27	21.13		
20	PI/2 BPSK	1	53	21.21	21.07	21.07	22.8	0.0
20	PI/2 BPSK	1	104	21.03	21.26	21.05		
20	PI/2 BPSK	50	0	21.02	21.15	21.12		
20	PI/2 BPSK	50	28	21.10	21.19	21.07	22.8	0.0
20	PI/2 BPSK	50	56	21.04	21.29	21.12		
20	PI/2 BPSK	100	0	21.06	21.17	21.05		
20	QPSK	1	1	21.13	21.34	21.25	22.8	0.0
20	QPSK	1	53	21.06	21.18	21.13		
20	QPSK	1	104	21.10	21.15	21.06		
20	QPSK	50	0	21.18	21.17	21.09	22.8	0.0
20	QPSK	50	28	21.08	21.28	21.21		
20	QPSK	50	56	21.09	21.25	21.09		
20	QPSK	100	0	21.03	21.20	21.15	22.8	0.0
20	16QAM	1	1	21.15	21.20	21.18		
20	64QAM	1	1	21.13	21.17	21.07		
20	256QAM	1	1	21.11	21.14	21.05	22.8	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	40	21.08	21.13	21.09	22.8	0.0
Channel				165800	167300	168800	22.8	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	26	21.11	21.10	21.15		
Channel				165300	167300	169300	22.8	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	13	21.08	21.12	21.03		



n7 Ant1 DSI13									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	16.90	16.99	16.79	18.7	0.0	
20	PI/2 BPSK	1	53	17.03	16.88	16.79			
20	PI/2 BPSK	1	104	16.99	16.93	16.87			
20	PI/2 BPSK	50	0	16.86	16.92	16.84	18.7	0.0	
20	PI/2 BPSK	50	28	16.89	16.97	16.76	18.7	0.0	
20	PI/2 BPSK	50	56	17.03	17.03	16.87	18.7	0.0	
20	PI/2 BPSK	100	0	17.02	16.90	16.78	18.7	0.0	
20	QPSK	1	1	16.96	17.06	17.03	18.7	0.0	
20	QPSK	1	53	16.95	16.94	16.80			
20	QPSK	1	104	16.77	16.84	16.78			
20	QPSK	50	0	16.96	17.00	16.90	18.7	0.0	
20	QPSK	50	28	16.77	17.02	16.98	18.7	0.0	
20	QPSK	50	56	16.89	17.01	16.87	18.7	0.0	
20	QPSK	100	0	16.99	17.00	16.97	18.7	0.0	
20	16QAM	1	1	16.92	16.91	16.97	18.7	0.0	
20	64QAM	1	1	16.91	16.92	16.76	18.7	0.0	
20	256QAM	1	1	16.81	16.89	16.79	18.7	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	16.84	16.88	16.96	18.7	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	16.85	16.93	16.94	18.7	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	13	16.88	16.89	16.93	18.7	0.0	

n66 Ant1 DSI13									
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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	17.40	17.34	17.26	19.0	0.0	
20	PI/2 BPSK	1	53	17.41	17.38	17.23			
20	PI/2 BPSK	1	104	17.60	17.52	17.26			
20	PI/2 BPSK	50	0	17.47	17.52	17.22	19.0	0.0	
20	PI/2 BPSK	50	28	17.41	17.39	17.32	19.0	0.0	
20	PI/2 BPSK	50	56	17.44	17.52	17.31	19.0	0.0	
20	PI/2 BPSK	100	0	17.45	17.47	17.33	19.0	0.0	
20	QPSK	1	1	17.33	17.62	17.60	19.0	0.0	
20	QPSK	1	53	17.41	17.42	17.28			
20	QPSK	1	104	17.32	17.31	17.31			
20	QPSK	50	0	17.56	17.50	17.32	19.0	0.0	
20	QPSK	50	28	17.26	17.61	17.52	19.0	0.0	
20	QPSK	50	56	17.47	17.47	17.42	19.0	0.0	
20	QPSK	100	0	17.46	17.60	17.37	19.0	0.0	
20	16QAM	1	1	17.38	17.36	17.42	19.0	0.0	
20	64QAM	1	1	17.45	17.35	17.23	19.0	0.0	
20	256QAM	1	1	17.27	17.30	17.32	19.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	17.30	17.54	17.42	19.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	17.24	17.52	17.48	19.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	13	17.22	17.48	17.53	19.0	0.0	



n38 Ant1 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	16.46	16.56	16.34	18.0	0.0
20	PI/2 BPSK	1	26	16.47	16.35	16.34		
20	PI/2 BPSK	1	49	16.54	16.36	16.40		
20	PI/2 BPSK	25	0	16.33	16.37	16.31	18.0	0.0
20	PI/2 BPSK	25	13	16.45	16.50	16.25	18.0	0.0
20	PI/2 BPSK	25	26	16.46	16.54	16.42	18.0	0.0
20	PI/2 BPSK	50	0	16.55	16.36	16.24		
20	QPSK	1	1	16.59	16.62	16.53	18.0	0.0
20	QPSK	1	26	16.43	16.38	16.22		
20	QPSK	1	49	16.22	16.36	16.20		
20	QPSK	25	0	16.42	16.51	16.46	18.0	0.0
20	QPSK	25	13	16.28	16.56	16.50	18.0	0.0
20	QPSK	25	26	16.39	16.43	16.38	18.0	0.0
20	QPSK	50	0	16.41	16.49	16.42		
20	16QAM	1	1	16.37	16.37	16.47	18.0	0.0
20	64QAM	1	1	16.42	16.41	16.31	18.0	0.0
20	256QAM	1	1	16.24	16.36	16.28	18.0	0.0

PC2&3 n41 Ant1 DSI13								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.31	16.41	16.31	18.0	0.0
100	PI/2 BPSK	1	137	16.35	16.39	16.30		
100	PI/2 BPSK	1	271	16.30	16.34	16.29		
100	PI/2 BPSK	135	0	16.34	16.34	16.29	18.0	0.0
100	PI/2 BPSK	135	69	16.29	16.39	16.34	18.0	0.0
100	PI/2 BPSK	135	138	16.30	16.31	16.29	18.0	0.0
100	PI/2 BPSK	270	0	16.29	16.34	16.29		
100	QPSK	1	1	16.55	16.65	16.54	18.0	0.0
100	QPSK	1	137	16.32	16.42	16.36		
100	QPSK	1	271	16.30	16.40	16.31		
100	QPSK	135	0	16.35	16.45	16.34	18.0	0.0
100	QPSK	135	69	16.43	16.51	16.43	18.0	0.0
100	QPSK	135	138	16.40	16.50	16.42	18.0	0.0
100	QPSK	270	0	16.42	16.53	16.44		
100	16QAM	1	1	16.29	16.33	16.28	18.0	0.0
100	64QAM	1	1	16.43	16.52	16.38	18.0	0.0
100	256QAM	1	1	16.34	16.42	16.31	18.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	16.43	16.51	16.48	18.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	16.45	16.52	16.43	18.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	16.43	16.51	16.43	18.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	67	16.46	16.55	16.43	18.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	16.41	16.60	16.44	18.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	16.44	16.48	16.50	18.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	16.41	16.58	16.46	18.0	0.0



n5 Ant2 DSI13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				831	836.5	839		
20	PI/2 BPSK	1	1	18.65	18.75	18.68	20.4	0.0
20	PI/2 BPSK	1	53	18.76	18.61	18.66		
20	PI/2 BPSK	1	104	18.73	18.66	18.66		
20	PI/2 BPSK	50	0	18.69	18.73	18.77		
20	PI/2 BPSK	50	28	18.77	18.77	18.61		
20	PI/2 BPSK	50	56	18.75	18.85	18.72		
20	PI/2 BPSK	100	0	18.70	18.71	18.60	20.4	0.0
20	QPSK	1	1	18.85	18.92	18.67	20.4	0.0
20	QPSK	1	53	18.63	18.75	18.66		
20	QPSK	1	104	18.70	18.71	18.76		
20	QPSK	50	0	18.63	18.67	18.62		
20	QPSK	50	28	18.77	18.69	18.73		
20	QPSK	50	56	18.66	18.65	18.68		
20	QPSK	100	0	18.71	18.75	18.60	20.4	0.0
20	16QAM	1	1	18.66	18.63	18.80	20.4	0.0
20	64QAM	1	1	18.76	18.68	18.64	20.4	0.0
20	256QAM	1	1	18.61	18.79	18.68	20.4	0.0
Channel				166300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	18.72	18.86	18.61	20.4	0.0
Channel				165300	167300	169300		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	18.75	18.84	18.56	20.4	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	18.71	18.75	18.51	20.4	0.0



n7 Ant5 DSI13

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				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	13.79	13.89	13.83	15.4	0.0
20	PI/2 BPSK	1	53	13.86	13.70	13.77		
20	PI/2 BPSK	1	104	13.77	13.75	13.98		
20	PI/2 BPSK	50	0	13.74	13.83	13.92	15.4	0.0
20	PI/2 BPSK	50	28	13.90	13.89	13.65	15.4	0.0
20	PI/2 BPSK	50	56	13.93	13.93	13.78	15.4	0.0
20	PI/2 BPSK	100	0	13.84	13.77	13.71		
20	QPSK	1	1	13.98	14.07	14.02		
20	QPSK	1	53	13.79	13.87	13.80	15.4	0.0
20	QPSK	1	104	13.76	13.76	13.86		
20	QPSK	50	0	13.71	13.91	13.90		
20	QPSK	50	28	13.89	14.02	13.82	15.4	0.0
20	QPSK	50	56	13.75	13.79	13.80	15.4	0.0
20	QPSK	100	0	13.74	13.90	13.66		
20	16QAM	1	1	13.82	13.70	13.84		
20	64QAM	1	1	13.87	13.73	13.70	15.4	0.0
20	256QAM	1	1	13.99	13.86	13.83	15.4	0.0
Channel				501600	507000	512600	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	40	13.90	13.99	13.92	15.4	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	26	13.93	14.02	13.85	15.4	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	13	13.85	13.98	13.85	15.4	0.0



n38 Ant5 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	13.64	13.68	13.71	15.4	0.0
20	PI/2 BPSK	1	26	13.84	13.61	13.69		
20	PI/2 BPSK	1	49	13.78	13.66	13.80		
20	PI/2 BPSK	25	0	13.70	13.70	13.85	15.4	0.0
20	PI/2 BPSK	25	13	13.79	13.76	13.66	15.4	0.0
20	PI/2 BPSK	25	26	13.72	13.90	13.77	15.4	0.0
20	PI/2 BPSK	50	0	13.66	13.77	13.64		
20	QPSK	1	1	13.80	13.92	13.69		
20	QPSK	1	26	13.63	13.82	13.65	15.4	0.0
20	QPSK	1	49	13.62	13.65	13.74		
20	QPSK	25	0	13.65	13.86	13.86		
20	QPSK	25	13	13.77	13.91	13.68	15.4	0.0
20	QPSK	25	26	13.73	13.63	13.68	15.4	0.0
20	QPSK	50	0	13.66	13.75	13.62		
20	16QAM	1	1	13.73	13.69	13.87		
20	64QAM	1	1	13.80	13.75	13.63	15.4	0.0
20	256QAM	1	1	13.59	13.72	13.62	15.4	0.0

PC2&3 n41 Ant5 DSI13								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.18	13.21	13.25	15.0	0.0
100	PI/2 BPSK	1	137	13.37	13.16	13.22		
100	PI/2 BPSK	1	271	13.30	13.21	13.23		
100	PI/2 BPSK	135	0	13.17	13.18	13.37	15.0	0.0
100	PI/2 BPSK	135	69	13.35	13.33	13.10	15.0	0.0
100	PI/2 BPSK	135	138	13.28	13.37	13.23	15.0	0.0
100	PI/2 BPSK	270	0	13.20	13.29	13.14		
100	QPSK	1	1	13.39	13.46	13.33		
100	QPSK	1	137	13.09	13.39	13.13	15.0	0.0
100	QPSK	1	271	13.09	13.16	13.17		
100	QPSK	135	0	13.11	13.35	13.43		
100	QPSK	135	69	13.32	13.44	13.10	15.0	0.0
100	QPSK	135	138	13.18	13.18	13.20	15.0	0.0
100	QPSK	270	0	13.13	13.32	13.12		
100	16QAM	1	1	13.17	13.13	13.30		
100	64QAM	1	1	13.31	13.28	13.18	15.0	0.0
100	256QAM	1	1	13.17	13.22	13.07	15.0	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	13.30	13.41	13.24	15.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	13.24	13.40	13.20	15.0	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	13.24	13.31	13.28	15.0	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	13.22	13.43	13.18	15.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	13.30	13.37	13.16	15.0	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	13.33	13.45	13.30	15.0	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	13.23	13.35	13.24	15.0	0.0



n7 Ant6 DSI13									
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				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	11.41	11.43	11.56	12.9	0.0	
20	PI/2 BPSK	1	53	11.57	11.34	11.42			
20	PI/2 BPSK	1	104	11.56	11.47	11.57			
20	PI/2 BPSK	50	0	11.56	11.54	11.58	12.9	0.0	
20	PI/2 BPSK	50	28	11.66	11.51	11.49	12.9	0.0	
20	PI/2 BPSK	50	56	11.46	11.66	11.60	12.9	0.0	
20	PI/2 BPSK	100	0	11.39	11.58	11.39			
20	QPSK	1	1	11.69	11.80	11.74	12.9	0.0	
20	QPSK	1	53	11.46	11.55	11.51			
20	QPSK	1	104	11.48	11.53	11.52			
20	QPSK	50	0	11.47	11.65	11.60	12.9	0.0	
20	QPSK	50	28	11.58	11.69	11.44	12.9	0.0	
20	QPSK	50	56	11.59	11.46	11.55	12.9	0.0	
20	QPSK	100	0	11.44	11.50	11.43			
20	16QAM	1	1	11.59	11.49	11.62	12.9	0.0	
20	64QAM	1	1	11.54	11.55	11.44	12.9	0.0	
20	256QAM	1	1	11.44	11.48	11.45	12.9	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	12.9	0.0	
15	QPSK	1	40	11.62	11.78	11.56	12.9	0.0	
Channel				501000	507000	513000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	12.9	0.0	
10	QPSK	1	26	11.60	11.63	11.69	12.9	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	12.9	0.0	
5	QPSK	1	13	11.57	11.74	11.72	12.9	0.0	

n66 Ant6 DSI13									
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				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	15.20	15.19	15.13	16.8	0.0	
20	PI/2 BPSK	1	53	15.41	15.12	15.11			
20	PI/2 BPSK	1	104	15.21	15.17	15.32			
20	PI/2 BPSK	50	0	15.18	15.15	15.31	16.8	0.0	
20	PI/2 BPSK	50	28	15.37	15.26	15.14	16.8	0.0	
20	PI/2 BPSK	50	56	15.14	15.28	15.20	16.8	0.0	
20	PI/2 BPSK	100	0	15.15	15.26	15.11			
20	QPSK	1	1	15.29	15.44	15.15	16.8	0.0	
20	QPSK	1	53	15.06	15.30	15.09			
20	QPSK	1	104	15.05	15.15	15.21			
20	QPSK	50	0	15.17	15.38	15.29	16.8	0.0	
20	QPSK	50	28	15.20	15.42	15.22	16.8	0.0	
20	QPSK	50	56	15.20	15.09	15.25	16.8	0.0	
20	QPSK	100	0	15.20	15.24	15.06			
20	16QAM	1	1	15.26	15.17	15.30	16.8	0.0	
20	64QAM	1	1	15.32	15.28	15.18	16.8	0.0	
20	256QAM	1	1	15.33	15.17	15.08	16.8	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	16.8	0.0	
15	QPSK	1	40	15.16	15.27	15.28	16.8	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	16.8	0.0	
10	QPSK	1	26	15.26	15.38	15.21	16.8	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	16.8	0.0	
5	QPSK	1	13	15.13	15.40	15.26	16.8	0.0	



n38 Ant6 DSI13								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	11.50	11.53	11.42	13.1	0.0
20	PI/2 BPSK	1	26	11.47	11.51	11.55		
20	PI/2 BPSK	1	49	11.47	11.61	11.49	13.1	0.0
20	PI/2 BPSK	25	0	11.58	11.48	11.64		
20	PI/2 BPSK	25	13	11.49	11.43	11.54	13.1	0.0
20	PI/2 BPSK	25	26	11.47	11.48	11.45		
20	PI/2 BPSK	50	0	11.60	11.60	11.62	13.1	0.0
20	PI/2 BPSK	1	1	11.52	11.67	11.61		
20	QPSK	1	26	11.53	11.48	11.61	13.1	0.0
20	QPSK	1	49	11.64	11.65	11.56		
20	QPSK	25	0	11.55	11.56	11.47	13.1	0.0
20	QPSK	25	13	11.57	11.64	11.58		
20	QPSK	25	26	11.46	11.48	11.60	13.1	0.0
20	QPSK	50	0	11.48	11.53	11.46		
20	16QAM	1	1	11.48	11.47	11.43	13.1	0.0
20	64QAM	1	1	11.51	11.60	11.46		
20	256QAM	1	1	11.44	11.48	11.44	13.1	0.0

PC2&3 n41 Ant6 DSI13								
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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	11.56	11.62	11.49	13.1	0.0
100	PI/2 BPSK	1	137	11.45	11.58	11.61		
100	PI/2 BPSK	1	271	11.45	11.73	11.50	13.1	0.0
100	PI/2 BPSK	135	0	11.60	11.49	11.58		
100	PI/2 BPSK	135	69	11.55	11.48	11.61	13.1	0.0
100	PI/2 BPSK	135	138	11.46	11.51	11.54		
100	PI/2 BPSK	270	0	11.60	11.62	11.72	13.1	0.0
100	PI/2 BPSK	1	1	11.58	11.75	11.71		
100	QPSK	1	137	11.55	11.57	11.62	13.1	0.0
100	QPSK	1	271	11.63	11.65	11.61		
100	QPSK	135	0	11.58	11.54	11.57	13.1	0.0
100	QPSK	135	69	11.54	11.66	11.63		
100	QPSK	135	138	11.47	11.46	11.59	13.1	0.0
100	QPSK	270	0	11.46	11.55	11.52		
100	16QAM	1	1	11.56	11.44	11.49	13.1	0.0
100	64QAM	1	1	11.55	11.70	11.51		
100	256QAM	1	1	11.48	11.56	11.44	13.1	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	11.49	11.60	11.63	13.1	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	109	11.44	11.73	11.62	13.1	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	81	11.46	11.70	11.56	13.1	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	67	11.53	11.60	11.64	13.1	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	11.50	11.67	11.59	13.1	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	11.53	11.69	11.70	13.1	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	11.43	11.59	11.60	13.1	0.0



n38 Ant9 DSI13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	PI/2 BPSK	1	1	17.69	17.73	17.67	19.1	0.0	
20	PI/2 BPSK	1	26	17.67	17.72	17.74			
20	PI/2 BPSK	1	49	17.80	17.70	17.67			
20	PI/2 BPSK	25	0	17.70	17.74	17.69	19.1	0.0	
20	PI/2 BPSK	25	13	17.63	17.76	17.74	19.1	0.0	
20	PI/2 BPSK	25	26	17.69	17.72	17.71	19.1	0.0	
20	PI/2 BPSK	50	0	17.72	17.73	17.66			
20	QPSK	1	1	17.81	17.83	17.68			
20	QPSK	1	26	17.72	17.80	17.76	19.1	0.0	
20	QPSK	1	49	17.72	17.60	17.68			
20	QPSK	25	0	17.68	17.71	17.70			
20	QPSK	25	13	17.72	17.81	17.74	19.1	0.0	
20	QPSK	25	26	17.70	17.63	17.71	19.1	0.0	
20	QPSK	50	0	17.64	17.77	17.61			
20	16QAM	1	1	17.81	17.64	17.80			
20	64QAM	1	1	17.73	17.77	17.59	19.1	0.0	
20	256QAM	1	1	17.78	17.79	17.66	19.1	0.0	

PC2&3 n41 Ant9 DSI13									
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				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.59	17.84	17.72	19.1	0.0	
100	PI/2 BPSK	1	137	17.78	17.58	17.66			
100	PI/2 BPSK	1	271	17.67	17.71	17.55			
100	PI/2 BPSK	135	0	17.64	17.81	17.68	19.1	0.0	
100	PI/2 BPSK	135	69	17.71	17.66	17.63	19.1	0.0	
100	PI/2 BPSK	135	138	17.62	17.81	17.74			
100	PI/2 BPSK	270	0	17.71	17.55	17.61			
100	QPSK	1	1	17.66	17.85	17.63	19.1	0.0	
100	QPSK	1	137	17.78	17.66	17.79			
100	QPSK	1	271	17.53	17.70	17.77			
100	QPSK	135	0	17.72	17.68	17.72	19.1	0.0	
100	QPSK	135	69	17.67	17.82	17.59	19.1	0.0	
100	QPSK	135	138	17.64	17.46	17.35			
100	QPSK	270	0	17.58	17.77	17.62			
100	16QAM	1	1	17.61	17.63	17.71	19.1	0.0	
100	64QAM	1	1	17.69	17.56	17.52	19.1	0.0	
100	256QAM	1	1	17.68	17.55	17.67	19.1	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	17.59	17.76	17.57	19.1	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	17.50	17.81	17.60	19.1	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	17.62	17.78	17.55	19.1	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	17.62	17.76	17.49	19.1	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	17.51	17.79	17.52	19.1	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	17.66	17.70	17.58	19.1	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	17.60	17.68	17.48	19.1	0.0	



WLAN/Bluetooth Power

2.4GHz WLAN		Full Power Body Station								Head SAR Standalone & Simultaneous								Body Worn & Holster & Handheld SAR Simultaneous													
		Art 8		Art 11		Art 8+11		Note	SISO-Art8		SISO-Art11		Note	MIMO-Art8		MIMO-Art11		Note	SISO-Art8		SISO-Art11		Note	MIMO-Art8		MIMO-Art11		Note			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Duty Cycle %	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Duty Cycle %	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Duty Cycle %	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Duty Cycle %	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Duty Cycle %		
802.11b 1Mbps	1	2412	14.65	16.50	14.62	16.50	17.64	19.5	100.00	12.66	13.00	12.55	13.00	100.00	9.92	10.00	9.85	10.00	12.8	13.0	14.66	16.00	14.62	16.00	100.00	12.93	13.00	12.87	13.00	15.9	16.0
	6	2437	14.65	16.50	14.56	16.50	17.61	19.5	100.00	12.65	13.00	12.52	13.00	100.00	9.64	10.00	9.57	10.00	12.6	13.0	14.65	16.00	14.56	16.00	100.00	12.99	13.00	12.96	13.00	16.0	16.0
	11	2462	14.59	16.50	14.51	16.50	17.55	19.5	100.00	12.59	13.00	12.44	13.00	100.00	9.67	10.00	9.53	10.00	12.6	13.0	14.59	16.00	14.51	16.00	100.00	12.97	13.00	12.95	13.00	16.0	16.0
	1	2412	13.42	15.00	13.27	15.00	16.35	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	6	2437	13.59	15.00	13.52	15.00	16.59	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	11	2462	13.52	15.00	13.45	15.00	16.52	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	1	2412	16.51	18.50	16.71	18.50	19.65	21.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	6	2437	16.52	17.50	16.52	17.50	18.52	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	11	2462	14.22	15.00	14.00	15.00	17.11	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	1	2412	12.01	14.00	12.30	14.00	15.20	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	6	2437	15.41	17.00	15.46	17.00	18.44	20.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
	11	2462	15.88	17.50	15.65	17.50	18.71	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0
1	2412	13.11	15.00	13.32	15.00	16.22	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	12.18	14.00	12.29	14.00	15.24	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	9.69	11.00	11.06	13.00	13.43	15.1	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	11.00	11.00	11.00	11.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	11.14	13.00	11.45	13.00	14.30	16.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	9.10	11.00	9.45	11.00	12.28	14.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	11.00	11.00	11.00	11.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	12.02	13.00	12.47	14.00	15.25	16.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	13.38	15.00	13.45	15.00	16.42	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	13.42	17.00	13.47	17.00	18.48	20.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	16.52	17.50	16.67	17.50	19.12	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	13.39	15.00	13.41	15.00	16.40	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	12.45	14.00	12.38	14.00	15.42	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	10.26	12.00	11.14	13.00	13.72	15.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	12.00	12.00	12.00	12.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	11.29	13.00	11.47	13.00	14.36	16.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	9.26	11.00	9.48	11.00	12.36	14.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	11.00	11.00	11.00	11.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	11.01	13.00	11.45	13.00	14.24	16.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	12.52	14.80	12.80	14.50	15.66	17.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	14.30	14.30	14.30	14.30	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	12.39	14.00	12.32	14.00	15.36	17.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	14.00	14.00	14.00	14.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	11.02	13.00	11.15	13.00	14.09	16.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	13.00	13.00	13.00	13.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	13.41	15.00	13.41	15.00	16.41	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	15.05	17.00	15.46	17.00	18.36	20.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
11	2462	15.53	17.50	15.91	17.50	18.72	20.5	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	16.00	16.00	16.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
1	2412	13.28	15.00	13.20	15.00	16.24	18.0	100.00	13.00	13.00	13.00	13.00	100.00	10.00	10.00	10.00	10.00	13.0	13.0	15.00	16.00	15.00	16.00	100.00	13.00	13.00	13.00	13.00	16.0	16.0	
6	2437	12.36	14.00	12.16	14.00	1																									



5.2Ghz WLAN		Full Power										Body Standalone										Head SAR Standalone & simultaneous										Body Worn & Handheld SAR simultaneous									
Mode	Channel	Frequency (MHz)	Act 7		Act 11		Act 7+11		Duty Cycle %	Act 7		Act 11		Act 7+11		Duty Cycle %	Act 7		Act 11		Act 7+11		Duty Cycle %	Act 7		Act 11		Act 7+11		Duty Cycle %											
			Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit		Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit		Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit		Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit		Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit							
802.11a 8Mbps	38	5180	14.65	16.50	14.92	15.00	17.79	18.8	100.00	16.50	15.00	18.8	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	40	5200	16.87	18.50	14.94	15.00	18.83	20.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	44	5220	15.01	17.00	14.85	15.00	17.93	19.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
802.11a-HT20 MCS0	38	5180	14.50	16.50	14.76	15.00	17.69	18.8	100.00	16.50	15.00	18.8	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	40	5200	16.05	18.00	14.62	15.00	18.30	19.8	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	44	5220	15.04	17.00	14.91	15.00	17.98	19.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
802.11a-HT40 MCS0	38	5180	11.58	13.00	12.84	13.00	15.26	16.0	100.00	11.58	13.00	12.84	13.00	15.26	16.0	100.00	11.58	13.00	12.84	13.00	15.26	16.0	100.00	11.58	13.00	12.84	13.00	15.3	16.0	100.00											
	40	5200	15.12	16.50	14.95	15.00	18.04	18.8	100.00	15.12	16.50	14.95	15.00	18.04	18.8	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	13.00	14.00	13.00	14.00	14.00	14.00	17.0	100.00										
	44	5220	16.04	18.00	14.71	15.00	18.43	19.8	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
802.11ac-VHT20 MCS0	44	5220	15.16	17.00	14.94	15.00	18.00	19.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	48	5240	15.07	17.00	14.89	15.00	17.98	19.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	48	5240	15.99	17.00	15.86	15.00	15.27	16.0	100.00	11.59	13.00	12.85	13.00	15.27	16.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	13.00	14.00	13.00	14.00	14.00	14.00	17.0	100.00										
802.11ac-VHT40 MCS0	48	5240	15.16	17.00	14.90	15.00	18.00	19.1	100.00	15.16	17.00	14.90	15.00	18.00	19.1	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	42	5210	9.75	11.50	10.85	11.50	13.22	14.5	100.00	11.50	11.50	11.50	14.5	100.00	9.75	11.50	10.85	11.50	13.2	14.5	100.00	11.50	11.50	11.50	14.0	100.00	11.50	11.50	14.5	100.00											
	38	5180	14.54	16.50	14.91	15.00	17.73	18.8	100.00	16.50	15.00	18.8	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
802.11ac-HE20 MCS0	40	5200	16.12	18.00	14.83	15.00	18.52	19.8	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	44	5220	15.11	17.00	14.98	15.00	18.05	19.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	38	5180	11.98	13.00	12.95	13.00	15.45	16.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	100.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	16.0	100.00									
802.11ac-HE40 MCS0	46	5230	15.95	17.00	14.96	15.00	18.48	19.1	100.00	17.00	15.00	19.1	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	42	5210	9.82	11.50	10.70	11.50	13.28	14.5	100.00	11.00	11.00	14.0	11.00	11.00	14.0	100.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	14.5	100.00										
	38	5180	9.45	11.00	9.24	11.00	12.35	14.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	100.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	14.0	100.00										
802.11ac-HE20 MCS0 RU28	40	5200	9.40	11.00	8.15	11.00	12.28	14.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	100.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	14.0	100.00										
	44	5220	9.48	11.00	9.98	11.00	12.93	14.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	100.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	14.0	100.00										
	48	5240	9.85	11.00	9.12	11.00	12.30	14.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	100.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	14.0	100.00										
802.11ac-HE20 MCS0 RU52	38	5180	11.35	13.00	11.22	13.00	14.29	16.0	100.00	13.00	13.00	13.00	16.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	11.00	11.00	14.0	13.00	13.00	13.00	13.00	13.00	13.00	16.0	100.00										
	40	5200	11.32	13.00	11.25	13.00	14.29	16.0	100.00	13.00	13.00	13.00	16.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	11.00	11.00	14.0	13.00	13.00	13.00	13.00	13.00	13.00	16.0	100.00										
	44	5220	12.22	14.00	12.01	14.00	15.12	17.0	100.00	14.00	14.00	17.0	11.00	11.00	14.0	100.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
802.11ac-HE20 MCS0 RU108	48	5240	12.31	14.00	12.02	14.00	15.17	17.0	100.00	14.00	14.00	17.0	11.00	11.00	14.0	100.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	38	5180	11.38	13.00	11.35	13.00	14.29	16.0	100.00	13.00	13.00	13.00	16.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	11.00	11.00	14.0	13.00	13.00	13.00	13.00	13.00	13.00	16.0	100.00										
	40	5200	11.44	13.00	11.38	13.00	14.41	16.0	100.00	13.00	13.00	13.00	16.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	11.00	11.00	14.0	13.00	13.00	13.00	13.00	13.00	13.00	16.0	100.00										
802.11ac-HE40 MCS0 RU142	44	5220	14.29	16.00	13.02	15.00	16.70	18.5	100.00	16.00	15.00	18.5	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	48	5240	14.40	16.00	13.04	15.00	16.77	18.5	100.00	16.00	15.00	18.5	11.00	11.00	14.0	100.00	14.00	11.00	14.0	11.00	14.0	11.00	14.0	14.00	14.00	14.00	14.00	14.00	14.00	17.0	100.00										
	38	5180	11.28	13.00	11.02	13.00	14.14	16.0	100.00	13.00	13.00	13.00	16.0	100.00	11.00	11.00	14.0	11.00	11.00	14.0	11.00	11.00	14.0	13.00	13.00	13.00	13.00	13.00	13.00	16.0	100.00										
802.11ac-HE20 MCS0 RU184	46	5230	14.02	16.00	13.05	15.00	16.56	18.5	100.00	16.00	15.00	18.5	11.00	11.00	14.0	100.0																									



5 GHz WLAN		Full Power										Body Stations										Head SAR Standalone & simultaneous										Body Worn & Handheld SAR simultaneous									
Mode	Channel	Frequency (MHz)	Act 7		Act 11		Act 7+11		Note	Act 7		Act 11		Act 7+11		Note	Act 7		Act 11		Act 7+11		Note	Act 7		Act 11		Act 7+11		Note											
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit					
802.11a BSSps	100	5500	16.64	17.00	14.98	15.00	18.32	19.4		15.28	17.00	14.98	15.00	18.12	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	116	5860	16.11	18.00	14.83	15.00	18.52	19.8		15.42	17.00	14.83	15.00	18.14	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	124	5620	16.05	18.00	14.07	15.00	18.41	19.8		15.18	17.00	14.67	15.00	17.93	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	132	5660	16.02	18.00	14.91	15.00	18.50	19.8		15.23	17.00	14.91	15.00	18.07	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	140	5700	11.05	13.00	13.05	13.00	14.58	16.0		11.05	13.00	12.05	13.00	14.58	16.0		11.00	11.00	11.00	11.00	14.0	14.0	14.0		13.00	13.00	13.00	13.00	16.0	16.0	100.00										
	144	5720	11.06	13.00	12.15	13.00	14.64	16.0		11.08	13.00	12.15	13.00	14.64	16.0		11.00	11.00	11.00	11.00	14.0	14.0	14.0		13.00	13.00	13.00	13.00	16.0	16.0	100.00										
	150	5550	15.02	17.00	14.82	15.00	17.92	19.1		17.00	17.00	15.00	15.00	18.1	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	116	5880	15.52	17.50	14.85	15.00	18.20	19.4		17.00	17.00	15.00	15.00	19.1	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	124	5620	15.70	17.50	14.64	15.00	18.20	19.4		17.00	17.00	15.00	15.00	19.1	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	132	5660	16.08	18.00	14.95	15.00	18.55	19.8		17.00	17.00	15.00	15.00	19.1	19.1		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00										
	140	5700	10.76	12.50	11.11	12.50	13.94	15.5		12.50	12.50	11.50	11.50	13.94	15.5		11.00	11.00	11.00	11.00	14.0	14.0	14.0		12.50	12.50	12.50	12.50	15.5	15.5	100.00										
	144	5720	10.58	12.50	11.26	12.50	13.96	15.5		12.50	12.50	11.26	11.26	13.96	15.5		11.00	11.00	11.00	11.00	14.0	14.0	14.0		12.50	12.50	12.50	12.50	15.5	15.5	100.00										
150	5910	12.88	14.00	13.30	14.00	16.14	17.0		14.00	14.00	13.00	13.00	17.0	17.0		11.00	11.00	11.00	11.00	14.0	14.0	14.0		14.00	14.00	14.00	14.00	17.0	17.0	100.00											
116	5550	15.12	16.50	14.98	15.00	18.05	18.8		16.50	16.50	15.00	15.00	18.8	18.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
128	5630	13.51	15.50	14.95	15.00	17.29	18.3		15.50	15.50	14.00	14.00	18.3	18.3	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
134	5670	12.99	14.50	13.85	15.00	16.33	17.8		14.50	14.50	13.00	13.00	17.8	17.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
140	5700	15.01	17.00	14.80	15.00	17.95	19.1		17.00	17.00	15.00	15.00	19.1	19.1	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
116	5880	15.55	17.50	14.91	15.00	18.24	19.4		17.00	17.00	15.00	15.00	19.1	19.1	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
124	5620	15.53	17.50	14.76	15.00	18.16	19.4		17.00	17.00	15.00	15.00	19.1	19.1	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
132	5660	16.11	18.00	14.97	15.00	18.58	19.8		17.00	17.00	15.00	15.00	19.1	19.1	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
140	5700	10.75	12.50	11.15	12.50	13.95	15.5		12.50	12.50	11.50	11.50	13.95	15.5		11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	12.50	12.50	12.50	12.50	15.5	15.5	100.00											
144	5720	10.62	12.50	11.26	12.50	13.96	15.5		12.50	12.50	11.26	11.26	13.96	15.5		11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	12.50	12.50	12.50	12.50	15.5	15.5	100.00											
150	5910	12.92	14.00	13.15	14.00	16.04	17.0		14.00	14.00	13.00	13.00	17.0	17.0	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
116	5550	15.20	16.50	14.97	15.00	18.09	18.8		16.50	16.50	15.00	15.00	18.8	18.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
128	5630	13.56	15.50	14.96	15.00	17.31	18.3		15.50	15.50	14.00	14.00	18.3	18.3	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
134	5670	13.01	14.50	13.74	15.00	16.39	17.8		14.50	14.50	13.00	13.00	17.8	17.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
140	5700	14.56	16.50	14.73	15.00	17.64	18.8		16.50	16.50	15.00	15.00	18.8	18.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
144	5720	10.62	12.50	11.26	12.50	13.96	15.5		12.50	12.50	11.26	11.26	13.96	15.5		11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	12.50	12.50	12.50	12.50	15.5	15.5	100.00											
150	5910	12.92	14.00	13.15	14.00	16.04	17.0		14.00	14.00	13.00	13.00	17.0	17.0	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
116	5550	15.20	16.50	14.97	15.00	18.09	18.8		16.50	16.50	15.00	15.00	18.8	18.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
128	5630	13.56	15.50	14.96	15.00	17.31	18.3		15.50	15.50	14.00	14.00	18.3	18.3	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
134	5670	13.01	14.50	13.74	15.00	16.39	17.8		14.50	14.50	13.00	13.00	17.8	17.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
140	5700	14.56	16.50	14.73	15.00	17.64	18.8		16.50	16.50	15.00	15.00	18.8	18.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
144	5720	10.62	12.50	11.26	12.50	13.96	15.5		12.50	12.50	11.26	11.26	13.96	15.5		11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	12.50	12.50	12.50	12.50	15.5	15.5	100.00											
150	5910	12.92	14.00	13.15	14.00	16.04	17.0		14.00	14.00	13.00	13.00	17.0	17.0	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											
116	5550	15.20	16.50	14.97	15.00	18.09	18.8		16.50	16.50	15.00	15.00	18.8	18.8	Not Required	11.00	11.00	11.00	11.00	14.0	14.0	14.0	Not Required	14.00	14.00	14.00	14.00	17.0	17.0	100.00											



BT BR/EDR Ant8

Mode	Channel	Frequency (MHz)	DH5		2DH5		3DH5	
			Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit
BR / EDR	CH 00	2402	14.55	16.50	11.08	12.50	11.15	12.50
	CH 39	2441	15.10	16.50	11.98	13.00	12.33	13.00
	CH 78	2480	16.03	18.00	12.77	13.00	12.89	13.00

BT BR/EDR Ant11

Mode	Channel	Frequency (MHz)	DH5		2DH5		3DH5	
			Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit	Average power (dBm)	Tune Up Limit
BR / EDR	CH 00	2402	15.83	16.50	13.11	13.50	13.23	13.50
	CH 39	2441	15.36	16.50	12.22	13.50	12.41	13.50
	CH 78	2480	15.04	16.50	12.49	13.50	12.32	13.50

BLE_1M Ant8

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.03
	CH 19	2440	7.13
	CH 39	2480	5.77
Tune-up Limit			9.00

BLE_1M Ant11

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.18
	CH 19	2440	6.42
	CH 39	2480	6.29
Tune-up Limit			8.00

BLE_2M Ant8

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.02
	CH 19	2440	7.27
	CH 39	2480	6.01
Tune-up Limit			9.00

BLE_2M Ant11

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.30
	CH 19	2440	6.41
	CH 39	2480	6.49
Tune-up Limit			8.00