



## Full&Default Power

GSM850 Ant0 Default												
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)			
TX Channel		128	189	251		128	189	251				
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	24.50				
GSM 1 Tx slot		32.53	32.77	32.65	33.50	23.53	23.77	23.65	24.50			
GPRS 1 Tx slots		32.47	32.60	32.57	33.50	23.47	23.60	23.57	24.50			
GPRS 2 Tx slots		28.74	28.81	28.66	30.00	22.74	22.81	22.66	24.00			
GPRS 3 Tx slots		27.07	27.26	26.89	28.50	22.81	23.00	22.63	24.24			
GPRS 4 Tx slots		25.98	25.91	25.75	27.50	22.88	22.91	22.75	24.50			
EDGE 1 Tx slot		27.45	27.28	27.00	27.50	18.15	18.28	18.00	18.50			
EDGE 2 Tx slots		24.39	24.35	24.20	25.00	18.39	18.35	18.20	19.00			
EDGE 3 Tx slots		22.13	22.24	22.16	23.50	17.87	17.98	17.90	19.24			
EDGE 4 Tx slots		21.38	21.48	21.28	22.50	18.38	18.48	18.28	19.50			

  

GSM1900 Ant0 Default												
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)			
TX Channel		512	661	810		512	661	810				
Frequency (MHz)		1850.2	1850	1909.8	1850.2	1850	1909.8	21.50				
GSM 1 Tx slot		29.49	29.69	29.65	30.50	20.49	20.69	20.65	21.50			
GPRS 1 Tx slot		29.49	29.61	29.67	30.50	20.49	20.61	20.57	21.50			
GPRS 2 Tx slots		25.66	25.77	25.74	26.70	19.66	19.77	19.74	20.70			
GPRS 3 Tx slots		23.77	24.06	23.88	25.00	19.51	19.80	19.62	20.74			
GPRS 4 Tx slots		22.58	22.72	22.71	24.00	19.58	19.72	19.71	21.00			
EDGE 1 Tx slot		25.87	26.04	25.85	26.80	16.87	17.04	16.85	17.80			
EDGE 2 Tx slots		22.88	23.21	23.06	24.10	16.88	17.21	17.06	18.10			
EDGE 3 Tx slots		21.74	21.89	21.86	23.10	17.48	17.63	17.60	18.84			
EDGE 4 Tx slots		19.97	20.12	19.99	21.30	16.97	17.12	16.99	18.30			

  

WCDMA II Ant0 Default					WCDMA IV Ant0 Default					WCDMA V Ant0 Default				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel		9662	9800	9938	1537	1638	1738	4357	4407	4468				
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	24.28	24.41	24.35	25.50	24.26	24.39	24.21	25.50	24.07	24.20	24.13	25.50	
3GPP Rel 99	RMC 12.2Kbps	24.33	24.45	24.40	25.50	24.37	24.46	24.26	25.50	24.15	24.23	24.21	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.22	23.38	23.25	24.00	23.32	23.37	23.20	24.00	23.10	23.27	23.23	24.00	
3GPP Rel 6	HSDPA Subtest-2	23.30	23.46	23.33	24.00	23.33	23.44	23.26	24.00	23.06	23.32	23.22	24.00	
3GPP Rel 6	HSDPA Subtest-3	22.84	22.97	22.90	23.50	22.87	22.95	22.78	23.50	22.63	22.88	22.81	23.50	
3GPP Rel 6	HSDPA Subtest-4	22.74	22.89	22.83	23.50	22.83	22.93	22.73	23.50	22.54	22.75	22.62	23.50	
3GPP Rel 8	DC-HSDPA Subtest-1	23.16	23.31	23.24	24.00	23.20	23.38	23.11	24.00	22.91	23.17	23.04	24.00	
3GPP Rel 8	DC-HSDPA Subtest-2	23.08	23.28	23.25	24.00	23.13	23.24	23.18	24.00	23.05	23.21	23.18	24.00	
3GPP Rel 8	DC-HSDPA Subtest-3	22.67	22.81	22.74	23.50	22.71	22.77	22.66	23.50	22.58	22.81	22.70	23.50	
3GPP Rel 8	DC-HSDPA Subtest-4	22.71	22.90	22.78	23.50	22.81	22.85	22.62	23.50	22.48	22.71	22.57	23.50	
3GPP Rel 6	HSUPA Subtest-1	23.31	23.43	23.34	24.00	23.35	23.41	23.26	24.00	23.21	23.41	23.38	24.00	
3GPP Rel 6	HSUPA Subtest-2	21.20	21.37	21.24	22.00	21.25	21.37	21.10	22.00	21.14	21.29	21.25	22.00	
3GPP Rel 6	HSUPA Subtest-3	22.24	22.33	22.20	23.00	22.25	22.34	22.10	23.00	22.22	22.45	22.36	23.00	
3GPP Rel 6	HSUPA Subtest-4	21.20	21.30	21.15	22.00	21.28	21.36	21.05	22.00	21.11	21.34	21.19	22.00	
3GPP Rel 6	HSUPA Subtest-5	23.30	23.44	23.39	24.00	23.36	23.45	23.25	24.00	23.15	23.37	23.30	24.00	



### Band 2 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								
Frequency (MHz)								
20	QPSK	1	0	1870	1890	1910	25	0
20	QPSK	1	49	23.93	24.07	23.94		
20	QPSK	1	99	23.81	23.91	23.94		
20	QPSK	50	0	22.93	23.07	22.93	24	1
20	QPSK	50	24	22.92	23.03	22.98		
20	QPSK	50	50	22.86	22.96	22.90		
20	QPSK	100	0	22.89	22.98	22.91	24	1
20	16QAM	1	0	22.91	23.01	22.99		
20	16QAM	1	49	22.83	22.98	22.81		
20	16QAM	1	99	22.96	22.97	22.97	23	2
20	16QAM	50	0	21.94	21.96	21.89		
20	16QAM	50	24	21.77	21.87	21.74		
20	16QAM	50	50	21.74	21.87	21.79	23	2
20	16QAM	100	0	21.93	21.98	21.93		
20	16QAM	1	0	21.87	21.95	21.88		
20	64QAM	1	49	21.76	21.87	21.74	23	2
20	64QAM	1	99	21.70	21.84	21.81		
20	64QAM	50	0	21.03	21.07	21.02		
20	64QAM	50	24	20.95	20.97	20.87	22	3
20	64QAM	50	50	20.88	21.02	20.99		
20	64QAM	100	0	21.03	21.04	20.91		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.93	24.02	24.01	25	0
15	QPSK	1	37	23.82	24.01	23.85		
15	QPSK	1	74	23.73	23.77	23.70		
15	QPSK	36	0	22.88	22.93	22.79	24	1
15	QPSK	36	20	22.79	22.90	22.87		
15	QPSK	36	39	22.80	22.90	22.86		
15	QPSK	75	0	22.82	22.94	22.80	24	1
15	16QAM	1	0	22.81	22.97	22.88		
15	16QAM	1	37	22.71	22.76	22.80		
15	16QAM	1	74	22.88	22.93	22.84	23	2
15	16QAM	36	0	21.80	21.87	21.76		
15	16QAM	36	20	21.83	21.83	21.63		
15	16QAM	36	39	21.71	21.77	21.72	23	2
15	16QAM	75	0	21.86	21.86	21.79		
15	64QAM	1	0	21.76	21.83	21.76		
15	64QAM	1	37	21.84	21.79	21.85	23	2
15	64QAM	1	74	21.61	21.73	21.78		
15	64QAM	36	0	20.95	20.99	20.89		
15	64QAM	36	20	20.90	20.94	20.92	22	3
15	64QAM	36	39	20.79	20.89	20.74		
15	64QAM	75	0	20.87	21.00	20.84		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.92	23.99	24.03	25	0
10	QPSK	1	25	23.89	24.04	23.81		
10	QPSK	1	49	23.66	23.77	23.68		
10	QPSK	25	0	22.89	23.02	22.84	24	1
10	QPSK	25	12	22.84	23.00	22.93		
10	QPSK	25	25	22.79	22.84	22.76		
10	QPSK	50	0	22.76	22.97	22.85	24	1
10	16QAM	1	0	22.83	22.97	22.87		
10	16QAM	1	25	22.76	22.86	22.76		
10	16QAM	1	49	22.85	22.88	22.72	23	2
10	16QAM	25	0	21.79	21.92	21.82		
10	16QAM	25	12	21.63	21.81	21.59		
10	16QAM	25	25	21.63	21.83	21.66	23	2
10	16QAM	50	0	21.83	21.87	21.88		
10	64QAM	1	0	21.75	21.81	21.83		
10	64QAM	1	25	21.66	21.79	21.78	23	2
10	64QAM	1	49	21.62	21.77	21.75		
10	64QAM	25	0	20.95	20.97	20.90		
10	64QAM	25	12	20.90	20.89	20.80	22	3
10	64QAM	25	25	20.81	20.89	20.84		
10	64QAM	50	0	20.93	20.94	20.77		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.90	24.06	23.94	25	0
5	QPSK	1	12	23.90	23.98	23.84		
5	QPSK	1	24	23.77	23.77	23.66		
5	QPSK	12	0	22.82	22.99	22.84	24	1
5	QPSK	12	7	22.85	22.88	22.92		
5	QPSK	12	13	22.72	22.88	22.78		
5	QPSK	25	0	22.78	22.85	22.85	24	1
5	16QAM	1	0	22.82	22.94	22.84		
5	16QAM	1	12	22.72	22.78	22.81		
5	16QAM	1	24	22.92	22.96	22.84	23	2
5	16QAM	12	0	21.86	21.92	21.77		
5	16QAM	12	7	21.73	21.78	21.62		
5	16QAM	12	13	21.61	21.76	21.68	23	2
5	16QAM	25	0	21.89	21.83	21.84		
5	64QAM	1	0	21.83	21.82	21.76		
5	64QAM	1	12	21.68	21.84	21.59	23	2
5	64QAM	1	24	21.65	21.76	21.70		
5	64QAM	12	0	20.91	21.00	20.97		
5	64QAM	12	7	20.86	20.93	20.85	22	3
5	64QAM	12	13	20.75	20.95	20.84		
5	64QAM	25	0	20.98	20.91	20.88		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.92	24.01	23.98	25	0
3	QPSK	1	8	23.87	24.04	23.82		
3	QPSK	1	14	23.73	23.81	23.67		
3	QPSK	8	0	22.84	22.93	22.89	24	1
3	QPSK	8	4	22.78	22.89	22.90		
3	QPSK	8	7	22.83	22.83	22.86		
3	QPSK	15	0	22.76	22.85	22.78	24	1
3	16QAM	1	0	22.88	22.87	22.86		
3	16QAM	1	8	22.69	22.81	22.84		
3	16QAM	1	14	22.84	22.91	22.77	23	2
3	16QAM	8	0	21.82	21.82	21.76		
3	16QAM	8	4	21.72	21.80	21.60		
3	16QAM	8	7	21.68	21.76	21.75	23	2
3	16QAM	15	0	21.79	21.92	21.78		
3	64QAM	1	0	21.83	21.87	21.78		
3	64QAM	1	8	21.66	21.79	21.68	23	2
3	64QAM	1	14	21.57	21.70	21.73		
3	64QAM	8	0	20.99	21.03	20.90		
3	64QAM	8	4	20.85	20.87	20.82	22	3
3	64QAM	8	7	20.84	20.87	20.73		
3	64QAM	15	0	20.95	20.92	20.84		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.87	24.09	23.93	25	0
1.4	QPSK	1	3	23.81	23.97	23.84		
1.4	QPSK	1	5	23.74	23.84	23.65		
1.4	QPSK	3	0	23.83	24.00	23.83	24	1
1.4	QPSK	3	1	23.78	23.98	23.87		
1.4	QPSK	3	3	23.73	23.85	23.82		
1.4	QPSK	6	0	22.76	22.89	22.82	24	1
1.4	16QAM	1	0	22.78	22.96	22.95		
1.4	16QAM	1	3	22.77	22.78	22.75		
1.4	16QAM	1	5	22.81	22.82	22.76	24	1
1.4	16QAM	3	0	22.88	22.84	22.78		
1.4	16QAM	3	1	22.71	22.74	22.62		
1.4	16QAM	3	3	22.66	22.80	22.69	23	2
1.4	16QAM	6	0	21.84	21.89	21.86		
1.4	64QAM	1	0	21.83	21.80	21.84		
1.4	64QAM	1	3	21.62	21.82	21.62	23	2
1.4	64QAM	1	5	21.59	21.75	21.75		
1.4	64QAM	3	0	21.89	22.03	21.88		
1.4	64QAM	3	1	21.83	21.83	21.83	22	3
1.4	64QAM	3	3	21.81	21.97	21.92		
1.4	64QAM	6	0	20.89	20.93	20.85		

### Band 4 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								
Frequency (MHz)								
20	QPSK	1	0	2050	2075	2030	25	0
20	QPSK	1	49	23.85	23.90	23.75		
20	QPSK	1	99	23.79	23.84	23.78		
20	QPSK	50	0	22.85	22.98	22.93	24	1
20	QPSK	50	24	22.90	22.96	22.93		
20	QPSK	50	50	22.79	22.93	22.81		
20	QPSK	100	0	22.91	23.00	22.93	24	1
20	16QAM	1	0	23.02	23.04	22.92		
20	16QAM	1	49	22.92	22.91	22.84		
20	16QAM	1	99	22.86	22.89	22.76	23	2
20	16QAM	50	0	21.79	21.87	21.75		
20	16QAM	50	24	21.70	21.73	21.66		
20	16QAM	50	50	21.69	21.83	21.68	23	2
20	16QAM	100	0	21.95	22.02	21.96		
20	64QAM	1	0	21.83	21.96	21.85		
20	64QAM	1	49	21.82	21.90	21.81	23	2
20	64QAM	1	99	21.71	21.82	21.72		
20	64QAM	50	0	20.81	20.90	20.84		
20	64QAM	50	24	20.87	20.89	20.81	22	3
20	64QAM	50	50	20.77	20.84	20.82		
20	64QAM	100	0	20.73	20.87	20.73		
Channel								
Frequency (MHz)								
15								



### Band 7 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								
Frequency (MHz)				2310	2335	2350		
20	QPSK	1	0	23.73	23.87	23.71		
20	QPSK	1	49	23.75	23.75	23.71	25	0
20	QPSK	1	99	23.80	23.69	23.62		
20	QPSK	50	0	22.81	22.83	22.81		
20	QPSK	50	24	22.72	22.82	22.62	24	1
20	QPSK	50	50	22.81	22.74	22.60		
20	QPSK	100	0	22.72	22.79	22.57		
20	16QAM	1	0	22.90	22.78	22.71		
20	16QAM	1	49	22.82	22.68	22.55	24	1
20	16QAM	1	99	22.70	22.66	22.54		
20	16QAM	50	0	21.92	21.86	21.83		
20	16QAM	50	24	21.82	21.74	21.69	23	2
20	16QAM	50	50	21.92	21.83	21.79		
20	16QAM	100	0	21.81	21.79	21.69		
20	64QAM	1	0	21.74	21.73	21.66		
20	64QAM	1	49	21.74	21.66	21.58	23	2
20	64QAM	1	99	21.68	21.64	21.56		
20	64QAM	50	0	20.82	20.82	20.70		
20	64QAM	50	24	20.81	20.69	20.58	22	3
20	64QAM	50	50	20.69	20.68	20.67		
20	64QAM	100	0	20.84	20.71	20.67		
Channel								
Frequency (MHz)				20825	21100	21375		
15	QPSK	1	0	23.69	23.76	23.67		
15	QPSK	1	37	23.62	23.60	23.61	25	0
15	QPSK	1	74	23.73	23.63	23.51		
15	QPSK	36	0	22.75	22.72	22.47		
15	QPSK	36	20	22.58	22.60	22.51	24	1
15	QPSK	36	39	22.69	22.70	22.48		
15	QPSK	75	0	22.74	22.58	22.52		
15	16QAM	1	0	22.85	22.64	22.61		
15	16QAM	1	37	22.67	22.59	22.46	24	1
15	16QAM	1	74	22.67	22.60	22.42		
15	16QAM	36	0	21.80	21.82	21.70		
15	16QAM	36	20	21.73	21.65	21.58	23	2
15	16QAM	36	39	21.81	21.73	21.72		
15	16QAM	75	0	21.69	21.69	21.64		
15	64QAM	1	0	21.68	21.63	21.62		
15	64QAM	1	37	21.62	21.52	21.44	23	2
15	64QAM	1	74	21.59	21.58	21.48		
15	64QAM	36	0	20.68	20.67	20.62		
15	64QAM	36	20	20.75	20.56	20.53	22	3
15	64QAM	36	39	20.84	20.62	20.60		
15	64QAM	75	0	20.77	20.63	20.63		
Channel								
Frequency (MHz)				20800	21100	21400		
10	QPSK	1	0	23.61	23.63	23.61		
10	QPSK	1	25	23.72	23.65	23.59	25	0
10	QPSK	1	49	23.66	23.60	23.52		
10	QPSK	25	0	22.68	22.70	22.46		
10	QPSK	25	12	22.57	22.53	22.50	24	1
10	QPSK	25	25	22.76	22.71	22.47		
10	QPSK	50	0	22.66	22.63	22.45		
10	16QAM	1	0	22.80	22.75	22.67		
10	16QAM	1	25	22.78	22.53	22.45	24	1
10	16QAM	1	49	22.66	22.63	22.49		
10	16QAM	25	0	21.81	21.79	21.78		
10	16QAM	25	12	21.68	21.66	21.65	23	2
10	16QAM	25	25	21.84	21.76	21.69		
10	16QAM	50	0	21.72	21.73	21.65		
10	64QAM	1	0	21.65	21.63	21.56	23	2
10	64QAM	1	25	21.69	21.58	21.44		
10	64QAM	1	49	21.61	21.59	21.50		
10	64QAM	25	0	20.73	20.72	20.61		
10	64QAM	25	12	20.71	20.54	20.53	22	3
10	64QAM	25	25	20.55	20.63	20.50		
10	64QAM	50	0	20.74	20.68	20.59		
Channel								
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	23.69	23.77	23.57		
5	QPSK	1	12	23.60	23.65	23.60	25	0
5	QPSK	1	24	23.71	23.58	23.55		
5	QPSK	12	0	22.67	22.68	22.58		
5	QPSK	12	7	22.61	22.58	22.48	24	1
5	QPSK	12	13	22.75	22.66	22.48		
5	QPSK	25	0	22.72	22.60	22.44		
5	16QAM	1	0	22.79	22.67	22.59		
5	16QAM	1	12	22.77	22.54	22.44	24	1
5	16QAM	1	24	22.61	22.61	22.44		
5	16QAM	12	0	21.88	21.83	21.78	23	2
5	16QAM	12	7	21.74	21.65	21.60		
5	16QAM	12	13	21.88	21.76	21.70		
5	16QAM	25	0	21.70	21.64	21.58		
5	64QAM	1	0	21.62	21.60	21.59	23	2
5	64QAM	1	12	21.63	21.62	21.47		
5	64QAM	1	24	21.60	21.52	21.42		
5	64QAM	12	0	20.71	20.70	20.60	22	3
5	64QAM	12	7	20.78	20.69	20.44		
5	64QAM	12	13	20.65	20.55	20.55		
5	64QAM	25	0	20.74	20.61	20.55		

### 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								
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.31	24.47	24.25		
10	QPSK	1	25	24.19	24.29	24.21	25.5	0
10	QPSK	1	49	24.33	24.37	24.25		
10	QPSK	25	0	23.26	23.35	23.28		
10	QPSK	25	12	23.20	23.21	23.12	24.5	1
10	QPSK	25	25	23.04	23.14	23.08		
10	QPSK	50	0	23.18	23.26	23.18		
10	16QAM	1	0	23.42	23.45	23.41		
10	16QAM	1	25	23.27	23.38	23.23	24.5	1
10	16QAM	1	49	23.34	23.37	23.25		
10	16QAM	25	0	22.43	22.56	22.46		
10	16QAM	25	12	22.39	22.47	22.33	23.5	2
10	16QAM	25	25	22.48	22.54	22.46		
10	16QAM	50	0	22.54	22.61	22.58		
10	64QAM	1	0	22.61	22.64	22.63		
10	64QAM	1	25	22.47	22.59	22.50	23.5	2
10	64QAM	1	49	22.52	22.53	22.59		
10	64QAM	25	0	21.55	21.56	21.50		
10	64QAM	25	12	21.39	21.50	21.43	22.5	3
10	64QAM	25	25	21.42	21.48	21.46		
10	64QAM	50	0	21.46	21.48	21.37		
Channel								
Frequency (MHz)				23035	23095	23155		
5	QPSK	1	0	24.19	24.40	24.14		
5	QPSK	1	12	24.07	24.15	24.14	25.5	0
5	QPSK	1	24	24.24	24.28	24.13		
5	QPSK	12	0	23.19	23.24	23.21		
5	QPSK	12	7	23.15	23.16	23.01	24.5	1
5	QPSK	12	13	22.95	23.07	22.99		
5	QPSK	25	0	23.10	23.19	23.09		
5	16QAM	1	0	23.30	23.35	23.34		
5	16QAM	1	12	23.17	23.24	23.18	24.5	1
5	16QAM	1	24	23.27	23.23	23.16		
5	16QAM	12	0	22.29	22.45	22.38		
5	16QAM	12	7	22.34	22.32	22.25	23.5	2
5	16QAM	12	13	22.30	22.41	22.34		
5	16QAM	25	0	22.51	22.57	22.49		
5	64QAM	1	0	22.52	22.59	22.51		
5	64QAM	1	12	22.33	22.48	22.44	23.5	2
5	64QAM	1	24	22.47	22.48	22.35		
5	64QAM	12	0	21.46	21.51	21.39		
5	64QAM	12	7	21.30	21.45	21.35	22.5	3
5	64QAM	12	13	21.35	21.38	21.42		
5	64QAM	25	0	21.34	21.35	21.23		
Channel								
Frequency (MHz)				23025	23095	23155		
3	QPSK	1	0	24.23	24.32	24.12		
3	QPSK	1	8	24.05	24.19	24.09	25.5	0
3	QPSK	1	14	24.27	24.34	24.20		
3	QPSK	8	0	23.23	23.28	23.19		
3	QPSK	8	4	23.06	23.06	23.06	24.5	1
3	QPSK	8	7	22.94	23.02	23.03		
3	QPSK	15	0	23.14	23.19	23.07		
3	16QAM	1	0	22.27	23.37	23.35		
3	16QAM	1	8	23.13	23.29	23.09	24.5	1
3	16QAM	1	14	23.20	23.29	23.10		



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									
Frequency (MHz)									
10	QPSK	1	0	24.23	24.35	24.27			
10	QPSK	1	25	24.21	24.32	24.27	25.5	0	
10	QPSK	1	49	24.16	24.20	24.15			
10	QPSK	25	0	23.35	23.42	23.28			
10	QPSK	25	12	23.27	23.36	23.29	24.5	1	
10	QPSK	25	25	23.35	23.40	23.30			
10	QPSK	50	0	23.22	23.35	23.23			
10	16QAM	1	0	23.31	23.38	23.27			
10	16QAM	1	25	23.28	23.29	23.14	24.5	1	
10	16QAM	1	49	23.20	23.32	23.31			
10	16QAM	25	0	22.49	22.52	22.41			
10	16QAM	25	12	22.39	22.42	22.39			
10	16QAM	25	25	22.29	22.43	22.35	23.5	2	
10	16QAM	50	0	22.42	22.48	22.44			
10	64QAM	1	0	22.56	22.61	22.54			
10	64QAM	1	25	22.47	22.52	22.45	23.5	2	
10	64QAM	1	49	22.53	22.57	22.44			
10	64QAM	25	0	21.38	21.45	21.34			
10	64QAM	25	12	21.39	21.41	21.28			
10	64QAM	25	25	21.37	21.39	21.38	22.5	3	
10	64QAM	50	0	21.48	21.55	21.44			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.16	24.35	24.15			
5	QPSK	1	12	24.18	24.25	24.19	25.5	0	
5	QPSK	1	24	24.07	24.15	24.09			
5	QPSK	12	0	23.21	23.37	23.24			
5	QPSK	12	7	23.18	23.30	23.23			
5	QPSK	12	13	23.30	23.31	23.19	24.5	1	
5	QPSK	25	0	23.11	23.31	23.14			
5	16QAM	1	0	23.22	23.29	23.11			
5	16QAM	1	12	23.22	23.24	23.14	24.5	1	
5	16QAM	1	24	23.17	23.19	23.22			
5	16QAM	12	0	22.37	22.47	22.34			
5	16QAM	12	7	22.35	22.28	22.30			
5	16QAM	12	13	22.25	22.37	22.20	23.5	2	
5	16QAM	25	0	22.39	22.34	22.35			
5	64QAM	1	0	22.47	22.49	22.50			
5	64QAM	1	12	22.35	22.42	22.34	23.5	2	
5	64QAM	1	24	22.42	22.49	22.31			
5	64QAM	12	0	21.24	21.35	21.26			
5	64QAM	12	7	21.28	21.31	21.16	22.5	3	
5	64QAM	12	13	21.32	21.25	21.30			
5	64QAM	25	0	21.40	21.42	21.31			

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									
Frequency (MHz)									
15	QPSK	1	0	24.49	24.65	24.52			
15	QPSK	1	37	24.45	24.51	24.47	25.5	0	
15	QPSK	1	74	24.50	24.57	24.55			
15	QPSK	36	0	23.46	23.59	23.56			
15	QPSK	36	20	23.47	23.57	23.51	24.5	1	
15	QPSK	36	39	23.41	23.45	23.33			
15	QPSK	75	0	23.44	23.47	23.40			
15	16QAM	1	0	23.60	23.63	23.60			
15	16QAM	1	37	23.45	23.58	23.48	24.5	1	
15	16QAM	1	74	23.45	23.54	23.44			
15	16QAM	36	0	22.58	22.63	22.50			
15	16QAM	36	20	22.47	22.52	22.43			
15	16QAM	36	39	22.50	22.55	22.45	23.5	2	
15	16QAM	75	0	22.48	22.51	22.44			
15	64QAM	1	0	22.57	22.68	22.56			
15	64QAM	1	37	22.47	22.60	22.51	23.5	2	
15	64QAM	1	74	22.57	22.58	22.46			
15	64QAM	36	0	21.52	21.51	21.49			
15	64QAM	36	20	21.41	21.49	21.40			
15	64QAM	36	39	21.53	21.54	21.44	22.5	3	
15	64QAM	75	0	21.40	21.47	21.43			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.40	24.59	24.44			
10	QPSK	1	25	24.38	24.40	24.39	25.5	0	
10	QPSK	1	49	24.45	24.46	24.40			
10	QPSK	25	0	23.43	23.54	23.47			
10	QPSK	25	12	23.39	23.48	23.38			
10	QPSK	25	25	23.37	23.34	23.29	24.5	1	
10	QPSK	50	0	23.38	23.40	23.33			
10	16QAM	1	0	23.55	23.59	23.48			
10	16QAM	1	25	23.33	23.53	23.40	24.5	1	
10	16QAM	1	49	23.34	23.40	23.38			
10	16QAM	25	0	22.48	22.51	22.47			
10	16QAM	25	12	22.37	22.46	22.47			
10	16QAM	25	25	22.43	22.44	22.31	23.5	2	
10	16QAM	50	0	22.41	22.43	22.39			
10	64QAM	1	0	22.53	22.61	22.46			
10	64QAM	1	25	22.37	22.51	22.36	23.5	2	
10	64QAM	1	49	22.43	22.46	22.49			
10	64QAM	25	0	21.45	21.47	21.39			
10	64QAM	25	12	21.32	21.42	21.35	22.5	3	
10	64QAM	25	25	21.46	21.44	21.31			
10	64QAM	50	0	21.27	21.39	21.31			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.37	24.61	24.45			
5	QPSK	1	12	24.31	24.46	24.32	25.5	0	
5	QPSK	1	24	24.39	24.49	24.44			
5	QPSK	12	0	23.34	23.51	23.50			
5	QPSK	12	7	23.41	23.43	23.36			
5	QPSK	12	13	23.26	23.40	23.23	24.5	1	
5	QPSK	25	0	23.33	23.52	23.25			
5	16QAM	1	0	23.51	23.57	23.54			
5	16QAM	1	12	23.41	23.43	23.36	24.5	1	
5	16QAM	1	24	23.34	23.41	23.29			
5	16QAM	12	0	22.52	22.56	22.43			
5	16QAM	12	7	22.35	22.47	22.30	23.5	2	
5	16QAM	12	13	22.37	22.45	22.38			
5	16QAM	25	0	22.43	22.36	22.36			
5	64QAM	1	0	22.52	22.60	22.52			
5	64QAM	1	12	22.41	22.46	22.45	23.5	2	
5	64QAM	1	24	22.41	22.50	22.46			
5	64QAM	12	0	21.42	21.57	21.43			
5	64QAM	12	7	21.37	21.45	21.25			
5	64QAM	12	13	21.40	21.44	21.37	22.5	3	
5	64QAM	25	0	21.29	21.39	21.31			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.40	24.60	24.40			
3	QPSK	1	8	24.33	24.47	24.41	25.5	0	
3	QPSK	1	14	24.27	24.53	24.50			
3	QPSK	8	0	23.36	23.45	23.41			
3	QPSK	8	4	23.41	23.43	23.44	24.5	1	
3	QPSK	8	7	23.28	23.42	23.19			
3	QPSK	15	0	23.41	23.41	23.35			
3	16QAM	1	0	23.56	23.60	23.48			
3	16QAM	1	8	23.31	23.55	23.34	24.5	1	
3	16QAM	1	14	23.42	23.51	23.39			
3	16QAM	8	0	22.44	22.58	22.43			
3	16QAM	8	4	22.35	22.37	22.39	23.5	2	
3	16QAM	8	7	22.44	22.46	22.41			
3	16QAM	15	0	22.37	22.41	22.33			
3	64QAM	1	0	22.42	22.55	22.46			
3	64QAM	1	8	22.33	22.52	22.43	23.5	2	
3	64QAM	1	14	22.47	22.52	22.50			
3	64QAM	8	0	21.43	21.47	21.38			
3	64QAM	8	4	21.39	21.43	21.31	22.5	3	
3	64QAM	8	7	21.39	21.43	21.30			
3	64QAM	15	0	21.27	21.35	21.34			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.45	24.56	24.40			
1.4	QPSK	1	3	24.35	24.46	24.39	25.5	0	
1.4	QPSK	1	5	24.44	24.50	24.50			
1.4	QPSK	3	0	24.38	24.53	24.51			
1.4	QPSK	3	1	24.35	24.45	24.43			
1.4	QPSK	3	3	24.35	24.39	24.27			



Band 38 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.15	24.23	24.07	25.5	0		
20	QPSK	1	49	24.07	24.12	23.98				
20	QPSK	1	99	23.94	24.08	23.98				
20	QPSK	50	0	23.15	23.26	23.17	24.5	1		
20	QPSK	50	24	23.11	23.20	23.13				
20	QPSK	50	50	23.11	23.24	23.15				
20	QPSK	100	0	23.17	23.21	23.07	24.5	1		
20	16QAM	1	0	23.03	23.18	23.12				
20	16QAM	1	49	22.99	23.08	23.03				
20	16QAM	1	99	22.95	23.06	22.98	23.5	2		
20	16QAM	50	0	22.29	22.42	22.31				
20	16QAM	50	24	22.22	22.35	22.31				
20	16QAM	50	50	22.34	22.38	22.25	23.5	2		
20	16QAM	100	0	22.32	22.37	22.32				
20	84QAM	1	0	22.13	22.24	22.20				
20	84QAM	1	49	22.07	22.16	22.06	23.5	2		
20	84QAM	1	99	22.16	22.20	22.14				
20	84QAM	50	0	21.32	21.40	21.29				
20	84QAM	50	24	21.19	21.28	21.15	22.5	3		
20	84QAM	50	50	21.23	21.32	21.20				
20	84QAM	100	0	21.27	21.32	21.25				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.10	24.14	24.03	25.5	0		
15	QPSK	1	37	24.00	24.08	23.90				
15	QPSK	1	74	23.91	23.93	23.89				
15	QPSK	36	0	23.00	23.21	23.04	24.5	1		
15	QPSK	36	20	23.04	23.17	23.10				
15	QPSK	36	39	23.07	23.12	23.09				
15	QPSK	75	0	23.04	23.08	23.00	24.5	1		
15	16QAM	1	0	22.94	23.05	23.07				
15	16QAM	1	37	22.91	22.95	22.92				
15	16QAM	1	74	22.86	23.03	22.88	23.5	2		
15	16QAM	36	0	22.19	22.36	22.24				
15	16QAM	36	20	22.10	22.21	22.22				
15	16QAM	36	39	22.29	22.24	22.10	23.5	2		
15	16QAM	75	0	22.27	22.29	22.21				
15	84QAM	1	0	22.05	22.10	22.11				
15	84QAM	1	37	21.95	22.02	21.94	23.5	2		
15	84QAM	1	74	22.04	22.08	22.09				
15	84QAM	36	0	21.22	21.32	21.14				
15	84QAM	36	20	21.08	21.22	21.12	22.5	3		
15	84QAM	36	39	21.10	21.19	21.07				
15	84QAM	75	0	21.16	21.21	21.21				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.08	24.15	24.02	25.5	0		
10	QPSK	1	25	23.98	24.02	23.95				
10	QPSK	1	49	23.90	23.93	23.89				
10	QPSK	25	0	23.01	23.22	23.05	24.5	1		
10	QPSK	25	12	23.07	23.14	23.05				
10	QPSK	25	25	22.99	23.18	23.05				
10	QPSK	50	0	23.12	23.13	23.01	24.5	1		
10	16QAM	1	0	22.92	23.08	23.05				
10	16QAM	1	25	22.91	22.94	22.92				
10	16QAM	1	49	22.81	22.98	22.88	23.5	2		
10	16QAM	25	0	22.25	22.29	22.22				
10	16QAM	25	12	22.12	22.28	22.21				
10	16QAM	25	25	22.29	22.32	22.11	23.5	2		
10	16QAM	50	0	22.19	22.27	22.21				
10	84QAM	1	0	22.04	22.16	22.05				
10	84QAM	1	25	21.94	22.04	21.92	23.5	2		
10	84QAM	1	49	22.03	22.15	22.10				
10	84QAM	25	0	21.23	21.27	21.20				
10	84QAM	25	12	21.13	21.20	21.09	22.5	3		
10	84QAM	25	25	21.12	21.19	21.09				
10	84QAM	50	0	21.17	21.27	21.11				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.10	24.14	23.96	25.5	0		
5	QPSK	1	12	23.93	24.02	23.90				
5	QPSK	1	24	23.90	23.95	23.83				
5	QPSK	12	0	23.02	23.15	23.05	24.5	1		
5	QPSK	12	7	23.08	23.13	23.07				
5	QPSK	12	13	23.05	23.21	23.11				
5	QPSK	25	0	23.05	23.12	22.97	24.5	1		
5	16QAM	1	0	22.99	23.06	23.06				
5	16QAM	1	12	22.96	23.01	22.98				
5	16QAM	1	24	22.85	22.99	22.90	23.5	2		
5	16QAM	12	0	22.18	22.32	22.24				
5	16QAM	12	7	22.10	22.29	22.24				
5	16QAM	12	13	22.29	22.26	22.16	23.5	2		
5	16QAM	25	0	22.21	22.28	22.19				
5	84QAM	1	0	22.03	22.21	22.12				
5	84QAM	1	12	21.97	22.11	21.95	23.5	2		
5	84QAM	1	24	22.02	22.05	22.06				
5	84QAM	12	0	21.20	21.33	21.26				
5	84QAM	12	7	21.11	21.21	21.06	22.5	3		
5	84QAM	12	13	21.19	21.21	21.08				
5	84QAM	25	0	21.19	21.23	21.17				

Band 41 Ant0 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	24.06	24.22	24.29	24.26	24.20	25.5	0		
20	QPSK	1	49	23.93	23.99	24.05	23.97	24.00				
20	QPSK	1	99	23.92	23.95	23.99	23.94	23.98				
20	QPSK	50	0	23.29	23.22	23.34	23.24	23.24	24.5	1		
20	QPSK	50	24	23.14	23.14	23.22	23.13	23.10				
20	QPSK	50	50	23.02	23.06	23.14	23.00	23.05				
20	QPSK	100	0	23.31	23.29	23.38	23.30	23.28	24.5	1		
20	16QAM	1	0	23.26	23.24	23.31	23.17	23.22				
20	16QAM	1	49	23.13	23.20	23.25	23.20	23.11				
20	16QAM	1	99	23.14	23.17	23.24	23.14	23.16	23.5	2		
20	16QAM	50	0	22.36	22.33	22.46	22.38	22.31				
20	16QAM	50	24	22.29	22.25	22.38	22.35	22.23				
20	16QAM	50	50	22.21	22.25	22.37	22.26	22.28	23.5	2		
20	16QAM	100	0	22.32	22.37	22.44	22.39	22.29				
20	84QAM	1	0	22.13	22.16	22.23	22.10	22.10				
20	84QAM	1	49	22.08	22.13	22.18	22.14	22.01	23.5	2		
20	84QAM	1	99	22.02	22.06	22.16	22.12	22.11				
20	84QAM	50	0	21.34	21.33	21.41	21.35	21.32				
20	84QAM	50	24	21.29	21.27	21.37	21.33	21.21	22.5	3		
20	84QAM	50	50	21.22	21.22	21.32	21.23	21.29				
20	84QAM	100	0	21.44	21.34	21.47	21.33	21.37				
Channel				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	23.92	24.12	24.18	24.21	24.06	26	0		
15	QPSK	1	37	23.84	23.87	23.93	23.86	23.85				
15	QPSK	1	74	23.87	23.91	23.87	23.84	23.90				
15	QPSK	36	0	23.23	23.21	23.20	23.18	23.15	24.5	1		
15	QPSK	36	20	23.09	23.10	23.09	23.00	23.00				
15	QPSK	36	39	22.94	23.00	23.07	22.91	23.01				
15	QPSK	75	0	23.17	23.20	23.24	23.22	23.15	24.5	1		
15	16QAM	1	0	23.19	23.14	23.26	23.08	23.16				
15	16QAM	1	37	23.07	23.14	23.20	23.06	23.01				
15	16QAM	1	74	23.04	23.09	23.12	23.10	23.12	23.5	2		
15	16QAM	36	0	22.26	22.26	22.41	22.29	22.28				
15	16QAM	36	20	22.23	22.12	22.34	22.30	22.18				
15	16QAM	36	39	22.13	22.15	22.33</						



GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.35	32.41	32.26	33.50	23.35	23.41	23.26	24.50
GPRS 1 Tx slot	32.31	32.37	32.13	33.50	23.31	23.37	23.13	24.50
GPRS 2 Tx slots	28.98	29.21	28.86	30.00	22.98	23.21	22.86	24.00
GPRS 3 Tx slots	27.10	27.17	27.01	28.50	22.84	22.91	22.75	24.24
GPRS 4 Tx slots	25.78	25.96	25.88	27.50	22.78	22.96	22.88	24.50
EDGE 1 Tx slot	26.82	26.97	26.93	27.50	17.82	17.97	17.93	18.50
EDGE 2 Tx slots	24.20	24.32	24.24	25.00	18.20	18.32	18.24	19.00
EDGE 3 Tx slots	22.51	22.58	22.54	23.50	18.25	18.32	18.28	19.24
EDGE 4 Tx slots	21.24	21.32	21.16	22.50	18.24	18.32	18.16	19.50

GSM1900 Ant1 Default

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)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.85	30.01	29.90	30.50	20.85	21.01	20.90	21.50
GPRS 1 Tx slot	29.76	29.98	29.86	30.50	20.76	20.98	20.86	21.50
GPRS 2 Tx slots	26.34	26.38	26.22	26.70	20.34	20.38	20.22	20.70
GPRS 3 Tx slots	24.21	24.29	24.15	25.00	19.95	20.03	19.89	20.74
GPRS 4 Tx slots	23.14	23.19	23.02	24.00	20.14	20.19	20.02	21.00
EDGE 1 Tx slot	26.10	26.24	26.16	26.80	17.10	17.24	17.16	17.80
EDGE 2 Tx slots	23.37	23.45	23.23	24.10	17.37	17.45	17.23	18.10
EDGE 3 Tx slots	21.76	21.97	21.84	23.00	17.50	17.71	17.58	18.74
EDGE 4 Tx slots	20.51	20.56	20.43	21.30	17.51	17.56	17.43	18.30

WCDMA II Ant1 Default

WCDMA IV Ant1 Default

WCDMA V Ant1 Default

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.37	24.48	24.31	25.50	24.60	24.72	24.51	25.50	23.93	24.09	24.06	25.50
3GPP Rel 99	RMC 12.2Kbps	24.54	24.57	24.55	25.50	24.67	24.75	24.58	25.50	24.12	24.23	24.18	25.50
3GPP Rel 6	HSDPA Subtest-1	23.48	23.53	23.39	24.00	23.63	23.73	23.51	24.00	23.10	23.22	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	23.35	23.41	23.24	24.00	23.46	23.62	23.40	24.00	22.94	23.03	22.94	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	23.03	22.87	23.50	23.09	23.20	22.97	23.50	22.50	22.72	22.59	23.50
3GPP Rel 6	HSDPA Subtest-4	22.93	22.93	22.77	23.50	23.08	23.09	22.90	23.50	22.49	22.59	22.49	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.45	23.58	23.35	24.00	23.64	23.69	23.46	24.00	23.02	23.22	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.48	23.43	23.27	24.00	23.63	23.53	23.38	24.00	23.13	23.06	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.85	23.03	22.85	23.50	22.96	23.23	23.04	23.50	22.44	22.71	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.74	22.96	22.90	23.50	22.95	23.07	23.12	23.50	22.32	22.68	22.66	23.50
3GPP Rel 6	HSUPA Subtest-1	23.41	23.55	23.38	24.00	23.59	23.65	23.58	24.00	23.04	23.20	23.04	24.00
3GPP Rel 6	HSUPA Subtest-2	21.37	21.52	21.26	22.00	21.52	21.71	21.41	22.00	21.01	21.22	20.94	22.00
3GPP Rel 6	HSUPA Subtest-3	22.27	22.48	22.17	23.00	22.49	22.67	22.36	23.00	21.92	22.18	21.83	23.00
3GPP Rel 6	HSUPA Subtest-4	21.43	21.45	21.30	22.00	21.61	21.65	21.49	22.00	21.00	21.15	21.00	22.00
3GPP Rel 6	HSUPA Subtest-5	23.38	23.59	23.50	24.00	23.58	23.71	23.58	24.00	23.03	23.23	22.99	24.00



### 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)				18700	18900	19100		
20	QPSK	1	0	24.20	24.20	24.20	25	0
20	QPSK	1	49	24.07	24.17	24.12		
20	QPSK	1	99	23.93	24.03	23.97		
20	QPSK	50	0	23.12	23.18	23.10		
20	QPSK	50	24	23.08	23.12	23.04		
20	QPSK	50	50	22.98	23.04	22.93		
20	QPSK	100	0	22.97	23.11	23.02		
20	16QAM	1	0	23.17	23.24	23.12		
20	16QAM	1	49	23.05	23.09	22.96		
20	16QAM	1	99	22.99	23.14	23.00		
20	16QAM	50	0	22.08	22.14	22.06		
20	16QAM	50	24	21.89	22.02	21.99		
20	16QAM	50	50	21.94	22.05	21.96		
20	16QAM	100	0	21.97	22.04	21.93		
20	84QAM	1	0	22.10	22.23	22.14		
20	84QAM	1	49	21.99	22.13	22.00		
20	84QAM	1	99	22.01	22.10	22.05		
20	84QAM	50	0	21.05	21.19	21.12		
20	84QAM	50	24	21.03	21.16	21.07		
20	84QAM	50	50	20.99	21.11	21.04		
20	84QAM	100	0	21.04	21.10	21.04		
Channel								
Frequency (MHz)				18675	18900	19125		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.97	24.07	24.11		
15	QPSK	1	37	23.93	24.12	23.98		
15	QPSK	1	74	23.88	23.98	23.89		
15	QPSK	36	0	22.98	23.07	22.92		
15	QPSK	36	20	23.02	23.07	22.92		
15	QPSK	36	39	22.93	22.97	22.84		
15	QPSK	75	0	22.89	23.01	22.89		
15	16QAM	1	0	23.08	23.18	23.02		
15	16QAM	1	37	23.00	23.01	22.88		
15	16QAM	1	74	22.98	23.04	22.89		
15	16QAM	36	0	21.96	22.00	21.82		
15	16QAM	36	20	21.92	21.94	21.81		
15	16QAM	36	39	21.86	21.87	21.83		
15	16QAM	75	0	21.87	21.82	21.88		
15	16QAM	1	0	22.01	22.11	22.00		
15	84QAM	1	37	21.84	22.05	21.90		
15	84QAM	1	74	21.90	21.88	21.91		
15	84QAM	36	0	21.00	21.05	21.04		
15	84QAM	36	20	20.93	21.09	21.02		
15	84QAM	36	39	20.91	21.03	20.98		
15	84QAM	75	0	20.92	21.01	20.92		
Channel								
Frequency (MHz)				18550	18900	19150		
Frequency (MHz)				1855	1890	1915		
10	QPSK	1	0	24.08	24.08	24.06		
10	QPSK	1	25	24.03	24.07	23.98		
10	QPSK	1	49	23.85	23.98	23.83		
10	QPSK	25	0	22.98	23.04	23.03		
10	QPSK	25	12	22.95	23.06	22.95		
10	QPSK	25	25	22.82	22.97	22.84		
10	QPSK	50	0	22.98	23.06	22.96		
10	16QAM	1	0	23.07	23.20	23.01		
10	16QAM	1	25	22.95	23.03	22.85		
10	16QAM	1	49	23.00	23.09	22.92		
10	16QAM	25	0	21.95	22.08	21.94		
10	16QAM	25	12	21.76	21.89	21.84		
10	16QAM	25	25	21.90	21.90	21.91		
10	16QAM	50	0	21.90	21.94	21.89		
10	84QAM	1	25	21.92	22.18	22.11		
10	84QAM	1	49	21.96	22.00	21.90		
10	84QAM	25	0	20.92	21.12	21.03		
10	84QAM	25	12	20.92	21.07	21.00		
10	84QAM	25	25	20.86	21.08	20.93		
10	84QAM	50	0	20.98	21.02	20.92		
Channel								
Frequency (MHz)				18625	18900	19175		
Frequency (MHz)				1862.5	1880	1907.5		
5	QPSK	1	0	24.03	24.16	24.02		
5	QPSK	1	12	23.97	24.09	23.98		
5	QPSK	1	24	23.81	23.99	23.92		
5	QPSK	12	0	23.04	23.04	22.98		
5	QPSK	12	7	22.99	23.07	22.95		
5	QPSK	12	13	22.92	23.00	22.83		
5	QPSK	25	0	22.88	23.05	22.97		
5	16QAM	1	0	23.03	23.11	23.01		
5	16QAM	1	12	23.02	23.01	22.88		
5	16QAM	1	24	23.03	23.03	22.90		
5	16QAM	12	0	21.92	22.06	21.83		
5	16QAM	12	7	21.78	21.90	21.86		
5	16QAM	12	13	21.87	21.90	21.82		
5	16QAM	25	0	21.84	21.98	21.83		
5	84QAM	1	0	21.99	22.20	22.07		
5	84QAM	1	12	21.89	21.98	21.89		
5	84QAM	1	24	21.93	22.01	21.90		
5	84QAM	12	0	20.90	21.10	21.08		
5	84QAM	12	7	20.92	21.02	20.93		
5	84QAM	12	13	20.86	20.98	20.97		
5	84QAM	25	0	20.91	20.98	21.01		
Channel								
Frequency (MHz)				18615	18900	19185		
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.01	24.10	24.11		
3	QPSK	1	8	23.94	24.05	24.05		
3	QPSK	1	14	23.80	23.94	23.86		
3	QPSK	8	0	23.07	23.12	23.01		
3	QPSK	8	4	23.04	23.02	22.93		
3	QPSK	15	0	22.92	22.89	22.87		
3	QPSK	15	0	22.82	23.07	22.88		
3	16QAM	1	0	23.03	23.21	23.00		
3	16QAM	1	8	22.98	23.01	22.82		
3	16QAM	1	14	22.99	23.03	22.96		
3	16QAM	8	0	21.94	22.04	21.97		
3	16QAM	8	4	21.85	21.99	21.86		
3	16QAM	8	7	21.82	21.90	21.89		
3	16QAM	15	0	21.85	21.98	21.83		
3	84QAM	1	0	21.98	22.13	22.02		
3	84QAM	1	8	21.89	22.10	21.95		
3	84QAM	1	14	21.98	22.04	22.00		
3	84QAM	8	0	20.94	21.14	21.02		
3	84QAM	8	4	20.98	21.09	21.03		
3	84QAM	8	7	20.86	21.03	20.95		
3	84QAM	15	0	20.92	20.96	21.01		
Channel								
Frequency (MHz)				18507	18900	19093		
Frequency (MHz)				18507	1880	19093		
1.4	QPSK	1	0	24.00	24.10	24.02		
1.4	QPSK	1	3	23.96	24.12	24.01		
1.4	QPSK	1	5	23.79	23.97	23.86		
1.4	QPSK	3	0	23.99	24.14	23.98		
1.4	QPSK	3	1	23.98	24.00	23.97		
1.4	QPSK	3	3	23.86	23.99	23.89		
1.4	QPSK	6	0	22.83	23.00	22.92		
1.4	16QAM	1	0	23.11	23.17	23.07		
1.4	16QAM	1	3	22.90	23.04	22.93		
1.4	16QAM	1	5	22.97	23.05	22.89		
1.4	16QAM	3	0	23.02	23.00	22.92		
1.4	16QAM	3	1	22.83	22.89	22.85		
1.4	16QAM	3	3	22.90	22.93	22.82		
1.4	16QAM	6	0	21.88	22.01	21.86		
1.4	84QAM	1	0	22.01	22.17	22.02		
1.4	84QAM	1	3	21.89	22.10	21.86		
1.4	84QAM	1	5	21.87	21.97	21.93		
1.4	84QAM	3	0	21.98	22.11	22.07		
1.4	84QAM	3	1	21.89	22.03	21.96		
1.4	84QAM	3	3	21.94	22.04	22.00		
1.4	84QAM	6	0	20.93	21.02	20.97		

### 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)				20050	20175	20300		
20	QPSK	1	0	24.29	24.33	24.30		
20	QPSK	1	49	24.18	24.23	24.09		
20	QPSK	1	99	24.01	24.12	24.05		
20	QPSK	50	0	23.08	23.20	23.11		
20	QPSK	50	24	23.02	23.12	23.09		
20	QPSK	50	50	22.88	22.97	22.89		
20	QPSK	100	0	22.96	23.04	22.91		
20	16QAM	1	0	23.24	23.30	23.18		
20	16QAM	1	49	23.08	23.15	23.14		
20	16QAM	1	99	22.99	23.13	23.08		



### Band 7 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							20850	21100	21350		
Frequency (MHz)							20850	21100	21350		
20	QPSK	1	0	23.85	23.99	23.91					
20	QPSK	1	49	23.86	23.94	23.81	25	0			
20	QPSK	1	99	23.73	23.80	23.69					
20	QPSK	50	0	22.98	23.09	22.95					
20	QPSK	50	24	22.93	23.02	22.93	24	1			
20	QPSK	50	50	22.90	22.95	22.90					
20	QPSK	100	0	23.07	23.14	23.01					
20	16QAM	1	0	23.00	23.10	23.02					
20	16QAM	1	49	22.92	22.97	22.90	24	1			
20	16QAM	1	99	22.91	23.04	22.94					
20	16QAM	50	0	22.01	22.12	22.08					
20	16QAM	50	24	21.86	21.98	21.89					
20	16QAM	50	50	21.94	22.01	21.89	23	2			
20	16QAM	100	0	22.04	22.14	22.03					
20	64QAM	1	0	21.99	22.09	21.98					
20	64QAM	1	49	21.84	22.01	21.87	23	2			
20	64QAM	1	99	21.90	21.97	21.83					
20	64QAM	50	0	21.09	21.13	21.06					
20	64QAM	50	24	20.89	21.04	20.90					
20	64QAM	50	50	20.93	21.04	20.92	22	3			
20	64QAM	100	0	21.01	21.16	21.10					
Channel							20825	21100	21375		
Frequency (MHz)							20825	21100	21375		
15	QPSK	1	0	23.78	23.90	23.77					
15	QPSK	1	37	23.74	23.83	23.75	25	0			
15	QPSK	1	74	23.61	23.74	23.66					
15	QPSK	36	0	22.86	22.97	22.83					
15	QPSK	36	20	22.88	22.96	22.80	24	1			
15	QPSK	36	39	22.80	22.91	22.81					
15	QPSK	75	0	22.97	23.02	22.93					
15	16QAM	1	0	22.95	23.03	22.87					
15	16QAM	1	37	22.83	22.84	22.78	24	1			
15	16QAM	1	74	22.87	22.93	22.79					
15	16QAM	36	0	21.91	21.98	21.96					
15	16QAM	36	20	21.76	21.87	21.74	23	2			
15	16QAM	36	39	21.82	21.98	21.74					
15	16QAM	75	0	21.98	22.02	21.93					
15	64QAM	1	0	21.90	21.95	21.87					
15	64QAM	1	37	21.78	21.92	21.82	23	2			
15	64QAM	1	74	21.84	21.90	21.74					
15	64QAM	36	0	21.06	21.05	20.98					
15	64QAM	36	20	20.77	20.91	20.82					
15	64QAM	36	39	20.87	20.97	20.77	22	3			
15	64QAM	75	0	21.11	21.10	21.00					
Channel							20800	21100	21400		
Frequency (MHz)							20800	21100	21400		
10	QPSK	1	0	23.74	23.88	23.87					
10	QPSK	1	25	23.80	23.86	23.67	25	0			
10	QPSK	1	49	23.60	23.68	23.63					
10	QPSK	25	0	22.91	23.01	22.80					
10	QPSK	25	12	22.80	22.89	22.83	24	1			
10	QPSK	25	25	22.75	22.81	22.79					
10	QPSK	50	0	22.96	23.06	22.87					
10	16QAM	1	0	22.87	23.01	22.92					
10	16QAM	1	25	22.83	22.87	22.80	24	1			
10	16QAM	1	49	22.85	22.92	22.86					
10	16QAM	25	0	21.94	22.08	22.04					
10	16QAM	25	12	21.78	21.84	21.81					
10	16QAM	25	25	21.89	21.91	21.79	23	2			
10	16QAM	50	0	22.00	22.09	21.92					
10	64QAM	1	0	21.92	21.98	21.91					
10	64QAM	1	25	21.70	21.89	21.80	23	2			
10	64QAM	1	49	21.81	21.89	21.68					
10	64QAM	25	0	20.95	21.08	21.02					
10	64QAM	25	12	20.77	20.91	20.78					
10	64QAM	25	25	20.79	20.92	20.85	22	3			
10	64QAM	50	0	20.87	21.05	20.99					
Channel							20775	21100	21425		
Frequency (MHz)							20775	21100	21425		
5	QPSK	1	0	23.78	23.89	23.86					
5	QPSK	1	12	23.79	23.90	23.68	25	0			
5	QPSK	1	24	23.62	23.83	23.50					
5	QPSK	12	0	22.90	23.00	22.89					
5	QPSK	12	7	22.83	22.88	22.80	24	1			
5	QPSK	12	13	22.81	22.90	22.81					
5	QPSK	25	0	22.92	23.02	22.88					
5	16QAM	1	0	22.88	23.00	22.91					
5	16QAM	1	12	22.88	22.83	22.80	24	1			
5	16QAM	1	24	22.84	22.94	22.89					
5	16QAM	12	0	21.98	22.04	22.05					
5	16QAM	12	7	21.74	21.94	21.76	23	2			
5	16QAM	12	13	21.86	21.94	21.78					
5	16QAM	25	0	21.91	22.01	21.98					
5	64QAM	1	0	21.94	21.98	21.85					
5	64QAM	1	12	21.75	21.91	21.78	23	2			
5	64QAM	1	24	21.84	21.92	21.68					
5	64QAM	12	0	21.06	21.06	20.93					
5	64QAM	12	7	20.81	20.99	20.81					
5	64QAM	12	13	20.84	20.92	20.78	22	3			
5	64QAM	25	0	20.87	21.03	21.01					

### Band 12 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							23050	23095	23130		
Frequency (MHz)							23050	23095	23130		
10	QPSK	1	0	24.35	24.50	24.30					
10	QPSK	1	25	24.20	24.30	24.26	25.5	0			
10	QPSK	1	49	24.39	24.38	24.27					
10	QPSK	25	0	23.27	23.37	23.31					
10	QPSK	25	12	23.26	23.26	23.15	24.5	1			
10	QPSK	25	25	23.08	23.15	23.14					
10	QPSK	50	0	23.21	23.32	23.21					
10	16QAM	1	0	23.44	23.50	23.44					
10	16QAM	1	25	23.31	23.35	23.24	24.5	1			
10	16QAM	1	49	23.39	23.38	23.29					
10	16QAM	25	0	22.39	22.56	22.42					
10	16QAM	25	12	22.37	22.46	22.31					
10	16QAM	25	25	22.45	22.54	22.42	23.5	2			
10	16QAM	50	0	22.51	22.57	22.57					
10	64QAM	1	0	22.57	22.60	22.60					
10	64QAM	1	25	22.46	22.55	22.47	23.5	2			
10	64QAM	1	49	22.48	22.50	22.35					
10	64QAM	25	0	21.51	21.57	21.51					
10	64QAM	25	12	21.38	21.45	21.40	22.5	3			
10	64QAM	25	25	21.40	21.45	21.47					
10	64QAM	50	0	21.46	21.48	21.38					
Channel							23035	23095	23155		
Frequency (MHz)							23035	23095	23155		
5	QPSK	1	0	24.32	24.39	24.21					
5	QPSK	1	12	24.15	24.27	24.20	25.5	0			
5	QPSK	1	24	24.28	24.26	24.17					
5	QPSK	12	0	23.13	23.25	23.24					
5	QPSK	12	7	23.19	23.13	23.04	24.5	1			
5	QPSK	12	13	23.01	23.03	23.00					
5	QPSK	25	0	23.16	23.29	23.17					
5	16QAM	1	0	23.34	23.44	23.39					
5	16QAM	1	12	23.19	23.29	23.19	24.5	1			
5	16QAM	1	24	23.24	23.29	23.18					
5	16QAM	12	0	22.25	22.45	22.36					
5	16QAM	12	7	22.30	22.31	22.26	23.5	2			
5	16QAM	12	13	22.30	22.43	22.35					
5	16QAM	25	0	22.45	22.42	22.44					
5	64QAM	1	0	22.45	22.51	22.47					
5	64QAM	1	12	22.36	22.52	22.43	23.5	2			
5	64QAM	1	24	22.36	22.40	22.32					
5	64QAM	12	0	21.45	21.43	21.43					
5	64QAM	12	7	21.24	21.32	21.26	22.5	3			
5	64QAM	12	13	21.27	21.35	21.34					
5	64QAM	25	0	21.40	21.33	21.29					
Channel							23025	23095	23165		
Frequency (MHz)							23025	23095	23165		
3	QPSK	1	0	24.25	24.34	24.18					
3	QPSK	1	8	24.05	24.25	24.19	25.5	0			
3	QPSK	1	14	24.29	24.27	24.14					
3	QPSK	8	0	23.23	23.23	23.24					
3	QPSK	8	4	23.11	23.17	23.07	24.5	1			
3	QPSK	8	7	23.04	23.01	23.00					
3	QPS										





### Band 17 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.31	24.49	24.39	25.5	0
10	QPSK	1	25	24.20	24.44	24.39		
10	QPSK	1	49	24.30	24.28	24.24		
10	QPSK	25	0	23.49	23.55	23.42		
10	QPSK	25	12	23.41	23.51	23.38		
10	QPSK	25	25	23.50	23.50	23.39	24.5	1
10	QPSK	50	0	23.36	23.47	23.36		
10	16QAM	1	0	23.45	23.53	23.42		
10	16QAM	1	49	23.30	23.44	23.41		
10	16QAM	25	0	22.51	22.57	22.42		
10	16QAM	25	12	22.43	22.46	22.42	23.5	2
10	16QAM	25	25	22.33	22.45	22.38		
10	16QAM	50	0	22.45	22.52	22.43		
10	16QAM	1	0	22.59	22.60	22.54		
10	16QAM	1	25	22.48	22.53	22.45		
10	16QAM	1	49	22.36	22.51	22.46	22.5	3
10	16QAM	25	0	21.40	21.47	21.38		
10	16QAM	25	12	21.42	21.45	21.32		
10	16QAM	25	25	21.40	21.42	21.39		
10	16QAM	50	0	21.51	21.57	21.45		
Channel								
Frequency (MHz)								
5	QPSK	1	0	24.15	24.42	24.30	25.5	0
5	QPSK	1	12	24.19	24.33	24.23		
5	QPSK	1	24	24.14	24.21	24.18		
5	QPSK	12	0	23.38	23.43	23.31		
5	QPSK	12	7	23.32	23.41	23.29		
5	QPSK	12	13	23.30	23.41	23.33	24.5	1
5	QPSK	25	0	23.16	23.37	23.17		
5	16QAM	1	0	23.35	23.43	23.15		
5	16QAM	1	12	23.27	23.29	23.15		
5	16QAM	1	24	23.20	23.30	23.32		
5	16QAM	12	0	22.44	22.46	22.32	23.5	2
5	16QAM	12	7	22.24	22.28	22.31		
5	16QAM	12	13	22.19	22.38	22.25		
5	16QAM	25	0	22.28	22.34	22.36		
5	16QAM	25	12	22.40	22.38	22.41		
5	16QAM	1	0	22.45	22.50	22.47	23.5	2
5	16QAM	1	12	22.40	22.38	22.31		
5	16QAM	1	24	22.42	22.51	22.29		
5	16QAM	12	0	21.33	21.30	21.26		
5	16QAM	12	7	21.30	21.30	21.23		
5	16QAM	12	13	21.22	21.35	21.27	22.5	3
5	16QAM	25	0	21.32	21.30	21.36		

### Band 26 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.50	24.58	24.55	25.5	0		
15	QPSK	1	37	24.48	24.52	24.48				
15	QPSK	1	74	24.52	24.63	24.58				
15	QPSK	36	0	23.49	23.62	23.58				
15	QPSK	36	20	23.47	23.59	23.52				
15	QPSK	36	39	23.44	23.50	23.37	24.5	1		
15	QPSK	75	0	23.48	23.58	23.45				
15	16QAM	1	0	23.64	23.65	23.64				
15	16QAM	1	74	23.51	23.67	23.52				
15	16QAM	1	74	23.51	23.54	23.49				
15	16QAM	36	0	22.61	22.63	22.52	23.5	2		
15	16QAM	36	20	22.50	22.58	22.46				
15	16QAM	36	39	22.56	22.59	22.45				
15	16QAM	75	0	22.50	22.51	22.45				
15	16QAM	1	0	22.60	22.72	22.59				
15	16QAM	1	37	22.49	22.66	22.51	23.5	2		
15	16QAM	1	74	22.52	22.58	22.59				
15	16QAM	36	0	21.57	21.67	21.54				
15	16QAM	36	20	21.47	21.54	21.40				
15	16QAM	36	39	21.56	21.56	21.50				
15	16QAM	75	0	21.43	21.49	21.46	22.5	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.45	24.54	24.47			25.5	0
10	QPSK	1	25	24.42	24.41	24.38				
10	QPSK	1	49	24.49	24.49	24.52				
10	QPSK	25	0	23.42	23.57	23.52				
10	QPSK	25	12	23.33	23.55	23.46				
10	QPSK	25	25	23.31	23.39	23.30	24.5	1		
10	QPSK	50	0	23.43	23.45	23.31				
10	16QAM	1	0	23.50	23.60	23.56				
10	16QAM	1	25	23.45	23.49	23.42				
10	16QAM	1	49	23.39	23.50	23.40				
10	16QAM	25	0	22.57	22.55	22.47	23.5	2		
10	16QAM	25	12	22.42	22.43	22.37				
10	16QAM	25	25	22.50	22.54	22.38				
10	16QAM	50	0	22.40	22.48	22.40				
10	16QAM	1	0	22.51	22.66	22.53				
10	16QAM	1	25	22.35	22.56	22.44	23.5	2		
10	16QAM	1	49	22.48	22.46	22.53				
10	16QAM	25	0	21.50	21.59	21.41				
10	16QAM	25	12	21.40	21.49	21.29				
10	16QAM	25	25	21.44	21.52	21.40				
10	16QAM	50	0	21.50	21.57	21.32	22.5	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.40	24.61	24.43			25.5	0
5	QPSK	1	12	24.45	24.41	24.35				
5	QPSK	1	24	24.40	24.50	24.52				
5	QPSK	12	0	23.44	23.55	23.48				
5	QPSK	12	7	23.41	23.52	23.49				
5	QPSK	12	13	23.34	23.56	23.32	24.5	1		
5	QPSK	25	0	23.43	23.53	23.42				
5	16QAM	1	0	23.54	23.53	23.49				
5	16QAM	1	12	23.35	23.52	23.40				
5	16QAM	1	24	23.42	23.50	23.42				
5	16QAM	12	0	22.51	22.57	22.37	23.5	2		
5	16QAM	12	7	22.44	22.54	22.41				
5	16QAM	12	13	22.52	22.46	22.32				
5	16QAM	25	0	22.37	22.39	22.31				
5	16QAM	25	12	22.52	22.67	22.49				
5	16QAM	1	0	22.38	22.58	22.41	23.5	2		
5	16QAM	1	12	22.37	22.46	22.50				
5	16QAM	12	0	21.49	21.60	21.50				
5	16QAM	12	7	21.35	21.50	21.29				
5	16QAM	12	13	21.45	21.45	21.44				
5	16QAM	25	0	21.29	21.40	21.43	22.5	3		
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.46	24.59	24.41			25.5	0
3	QPSK	1	8	24.39	24.39	24.44				
3	QPSK	1	14	24.38	24.57	24.48				
3	QPSK	8	0	23.42	23.51	23.43				
3	QPSK	8	4	23.44	23.45	23.48				
3	QPSK	8	7	23.30	23.41	23.33	24.5	1		
3	QPSK	15	0	23.43	23.55	23.33				
3	16QAM	1	0	23.57	23.54	23.50				
3	16QAM	1	8	23.42	23.51	23.45				
3	16QAM	1	14	23.41	23.43	23.35				
3	16QAM	8	0	22.57	22.50	22.42	23.5	2		
3	16QAM	8	4	22.43	22.46	22.35				
3	16QAM	8	7	22.46	22.45	22.31				
3	16QAM	15	0	22.40	22.47	22.40				
3	16QAM	1	0	22.46	22.63	22.52				
3	16QAM	1	8	22.45	22.56	22.43	23.5	2		
3	16QAM	1	14	22.37	22.51	22.51				
3	16QAM	8	0	21.48	21.58	21.39				
3	16QAM	8	4	21.36	21.41	21.35				
3	16QAM	8	7	21.42	21.50	21.38				
3	16QAM	15	0	21.34	21.44	21.42	22.5	3		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.42	24.56	24.46			25.5	0
1.4	QPSK	1	3	24.34	24.41	24.38				
1.4	QPSK	1	5	24.45	24.49	24.50				
1.4	QPSK	3	0	24.35	24.49	24.44				
1.4	QPSK	3	1	24.33	24.47	24.46				
1.4	QPSK	3	1	24.31	24.41	24.29	24.5	1		
1.4	QPSK	6	0	23.37	23.47	23.31				
1.4	16QAM	1	0	23.56	23.59	23.59				
1.4	16QAM	1	3	23.37	23.58	23.40				
1.4	16QAM	1	5	23.39	23.44	23.35				
1.4	16QAM	3	0	23.57	23.55	23.38	24.5	1		
1.4	16QAM	3	1	23.43	23.53	23.31				
1.4	16QAM	3	3	23.51	23.47	23.36				
1.4	16QAM	6	0	22.45	22.43	22.37				
1.4	16QAM	1	0	22.48	22.67	22.52				
1.4	16QAM	1	3	22.37	22.56	22.40	23.5	2		
1.4	16QAM	1	5	22.40	22.49	22.52				
1.4	16QAM	3	0	22.49	22.63	22.48				
1.4	16QAM	3	1	22.38	22.40	22.29				
1.4	16QAM	3	3	22.42	22.51	22.39				
1.4	16QAM	6	0	21.40	21.44	21.40	22.5	3		

### Band 66 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	24.20	24.33	24.21	25	0
2								



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	24.31	24.41	24.37	25.5	0		
20	QPSK	1	49	24.23	24.34	24.20				
20	QPSK	1	99	24.12	24.25	24.19				
20	QPSK	50	0	23.32	23.38	23.25	24.5	1		
20	QPSK	50	24	23.14	23.27	23.18				
20	QPSK	50	50	23.25	23.34	23.27				
20	QPSK	100	0	23.27	23.35	23.26	24.5	1		
20	16QAM	1	0	23.25	23.39	23.27				
20	16QAM	1	49	23.21	23.31	23.17				
20	16QAM	1	99	23.23	23.36	23.30	23.5	2		
20	16QAM	50	0	22.26	22.33	22.22				
20	16QAM	50	24	22.13	22.25	22.12				
20	16QAM	50	50	22.17	22.25	22.13	23.5	2		
20	16QAM	100	0	22.28	22.38	22.25				
20	84QAM	1	0	22.13	22.22	22.17				
20	84QAM	1	49	22.02	22.15	22.09	23.5	2		
20	84QAM	1	99	21.96	22.08	21.98				
20	84QAM	50	0	21.14	21.28	21.22				
20	84QAM	50	24	21.02	21.15	21.08	22.5	3		
20	84QAM	50	50	21.09	21.19	21.07				
20	84QAM	100	0	21.20	21.32	21.20				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.27	24.27	24.24	25.5	0		
15	QPSK	1	37	24.15	24.30	24.13				
15	QPSK	1	74	23.99	24.19	24.05				
15	QPSK	36	0	23.29	23.32	23.13	24.5	1		
15	QPSK	36	20	23.08	23.23	23.09				
15	QPSK	36	39	23.21	23.24	23.22				
15	QPSK	75	0	23.19	23.29	23.12	24.5	1		
15	16QAM	1	0	23.18	23.28	23.16				
15	16QAM	1	37	23.15	23.20	23.04				
15	16QAM	1	74	23.09	23.29	23.17	23.5	2		
15	16QAM	36	0	22.16	22.19	22.11				
15	16QAM	36	20	22.07	22.13	22.06				
15	16QAM	36	39	22.13	22.19	22.01	23.5	2		
15	16QAM	75	0	22.21	22.30	22.13				
15	84QAM	1	0	22.00	22.08	22.07				
15	84QAM	1	37	21.87	22.12	22.00	23.5	2		
15	84QAM	1	74	21.82	22.05	21.87				
15	84QAM	36	0	21.05	21.21	21.11				
15	84QAM	36	20	20.92	21.06	20.95	22.5	3		
15	84QAM	36	39	21.01	21.04	21.03				
15	84QAM	75	0	21.07	21.22	21.12				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.27	24.37	24.23	25.5	0		
10	QPSK	1	25	24.16	24.22	24.09				
10	QPSK	1	49	23.97	24.20	24.14				
10	QPSK	25	0	23.19	23.25	23.19	24.5	1		
10	QPSK	25	12	23.00	23.24	23.09				
10	QPSK	25	25	23.17	23.27	23.15				
10	QPSK	50	0	23.15	23.26	23.18	24.5	1		
10	16QAM	1	0	23.16	23.35	23.18				
10	16QAM	1	25	23.16	23.17	23.10				
10	16QAM	1	49	23.16	23.30	23.17	23.5	2		
10	16QAM	25	0	22.15	22.26	22.14				
10	16QAM	25	12	22.01	22.21	22.06				
10	16QAM	25	25	22.06	22.19	21.98	23.5	2		
10	16QAM	50	0	22.24	22.25	22.20				
10	84QAM	1	0	22.04	22.11	22.13				
10	84QAM	1	25	21.95	22.00	21.98	23.5	2		
10	84QAM	1	49	21.89	21.97	21.92				
10	84QAM	25	0	21.11	21.25	21.12				
10	84QAM	25	12	20.89	21.07	21.04	22.5	3		
10	84QAM	25	25	21.01	21.04	20.94				
10	84QAM	50	0	21.13	21.27	21.07				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.22	24.32	24.25	25.5	0		
5	QPSK	1	12	24.16	24.20	24.07				
5	QPSK	1	24	24.01	24.20	24.13				
5	QPSK	12	0	23.27	23.28	23.19	24.5	1		
5	QPSK	12	7	23.11	23.22	23.12				
5	QPSK	12	13	23.14	23.31	23.21				
5	QPSK	25	0	23.13	23.30	23.22	24.5	1		
5	16QAM	1	0	23.10	23.29	23.20				
5	16QAM	1	12	23.12	23.27	23.10				
5	16QAM	1	24	23.16	23.23	23.23	23.5	2		
5	16QAM	12	0	22.13	22.27	22.15				
5	16QAM	12	7	22.03	22.11	21.98				
5	16QAM	12	13	22.02	22.15	22.05	23.5	2		
5	16QAM	25	0	22.13	22.25	22.13				
5	84QAM	1	0	22.01	22.18	22.08				
5	84QAM	1	12	21.95	22.05	22.02	23.5	2		
5	84QAM	1	24	21.81	22.02	21.88				
5	84QAM	12	0	21.01	21.19	21.18				
5	84QAM	12	7	20.91	21.11	21.01	22.5	3		
5	84QAM	12	13	20.99	21.12	20.97				
5	84QAM	25	0	21.13	21.20	21.11				

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	24.35	24.38	24.46	24.43	24.32	25.5	0		
20	QPSK	1	49	24.20	24.24	24.28	24.17	24.14				
20	QPSK	1	99	24.29	24.21	24.35	24.31	24.20				
20	QPSK	50	0	23.32	23.36	23.43	23.31	23.33	24.5	1		
20	QPSK	50	24	23.24	23.23	23.30	23.26	23.20				
20	QPSK	50	50	23.23	23.29	23.34	23.20	23.22				
20	QPSK	100	0	23.29	23.28	23.35	23.27	23.21	24.5	1		
20	16QAM	1	0	23.31	23.27	23.40	23.26	23.35				
20	16QAM	1	49	23.16	23.22	23.28	23.17	23.24				
20	16QAM	1	99	23.25	23.22	23.26	23.15	23.24	23.5	2		
20	16QAM	50	0	22.15	22.17	22.25	22.14	22.13				
20	16QAM	50	24	22.08	22.14	22.19	22.15	21.98				
20	16QAM	50	50	22.04	22.13	22.19	22.12	22.01	23.5	2		
20	16QAM	100	0	22.28	22.18	22.32	22.27	22.20				
20	84QAM	1	0	22.05	22.01	22.09	22.00	21.98				
20	84QAM	1	49	21.87	21.97	22.03	21.92	21.91	23.5	2		
20	84QAM	1	99	21.89	21.92	22.03	21.93	21.91				
20	84QAM	50	0	21.27	21.28	21.37	21.30	21.29				
20	84QAM	50	24	21.20	21.23	21.27	21.15	21.18	22.5	3		
20	84QAM	50	50	21.19	21.14	21.24	21.12	21.14				
20	84QAM	100	0	21.34	21.32	21.40	21.33	21.36				
Channel				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	24.28	24.26	24.40	24.39	24.26	26	0		
15	QPSK	1	37	24.14	24.15	24.16	24.03	23.99				
15	QPSK	1	74	24.16	24.16	24.29	24.22	24.10				
15	QPSK	36	0	23.28	23.31	23.39	23.19	23.27	24.5	1		
15	QPSK	36	20	23.18	23.13	23.19	23.15	23.14				
15	QPSK	36	39	23.18	23.16	23.30	23.11	23.14				
15	QPSK	75	0	23.24	23.17	23.23	23.17	23.11	24.5	1		
15	16QAM	1	0	23.28	23.23	23.31	23.22	23.23				
15	16QAM	1	37	23.05	23.14	23.13	23.13	23.12				
15	16QAM	1	74	23.11	23.11	23.18	23.10	23.17	23.5	2		
15	16QAM	36	0	22.05	22.10	22.11	22.08	22.07				
15	16QAM	36	20	22.00	22.11	22.11	22.10	21.88				
15	16QAM	36	39	21.92	22.09	22.14</						

## Reduced Power Mode for DSI 1

GSM850 Ant0 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)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.53	32.77	32.65	33.50	23.53	23.77	23.65	24.50
GPRS 1 Tx slot	32.47	32.60	32.57	33.50	23.47	23.60	23.57	24.50
GPRS 2 Tx slots	28.74	28.81	28.68	30.00	22.74	22.81	22.68	24.00
GPRS 3 Tx slots	27.07	27.26	26.89	28.50	22.81	23.00	22.63	24.24
GPRS 4 Tx slots	25.88	25.91	25.75	27.50	22.88	22.91	22.75	24.50
EDGE 1 Tx slot	27.15	27.28	27.00	27.50	18.15	18.28	18.00	18.50
EDGE 2 Tx slots	24.39	24.35	24.20	25.00	18.39	18.35	18.20	19.00
EDGE 3 Tx slots	22.13	22.24	22.16	23.50	17.87	17.98	17.90	19.24
EDGE 4 Tx slots	21.38	21.48	21.28	22.50	18.38	18.48	18.28	19.50

GSM1900 Ant0 Default								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	681	810		512	681	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.49	29.69	29.65	30.50	20.49	20.69	20.65	21.50
GPRS 1 Tx slot	29.49	29.61	29.57	30.50	20.49	20.61	20.57	21.50
GPRS 2 Tx slots	25.66	25.77	25.74	26.70	19.66	19.77	19.74	20.70
GPRS 3 Tx slots	23.77	24.06	23.88	25.00	19.51	19.80	19.62	20.74
GPRS 4 Tx slots	22.58	22.72	22.71	24.00	19.58	19.72	19.71	21.00
EDGE 1 Tx slot	25.87	26.04	25.85	26.80	16.87	17.04	16.85	17.80
EDGE 2 Tx slots	22.88	23.21	23.06	24.10	16.88	17.21	17.06	18.10
EDGE 3 Tx slots	21.74	21.89	21.86	23.10	17.48	17.63	17.60	18.84
EDGE 4 Tx slots	19.97	20.12	19.99	21.30	16.97	17.12	16.99	18.30

Band	WCDMA II Ant0 Default				Tune-up Limit (dBm)	WCDMA IV Ant0 Default			Tune-up Limit (dBm)	WCDMA V Ant0 Default			Tune-up Limit (dBm)
	9262	9400	9538			1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938		1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1862.4	1880	1907.6		1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	24.28	24.41	24.35	25.50	24.26	24.39	24.21	25.50	24.07	24.20	24.13	25.50
3GPP Rel 99	RMC 12.2Kbps	24.33	24.45	24.40	25.50	24.37	24.49	24.26	25.50	24.15	24.23	24.21	25.50
3GPP Rel 6	HSDPA Subtest-1	23.22	23.38	23.25	24.00	23.32	23.37	23.20	24.00	23.10	23.27	23.23	24.50
3GPP Rel 6	HSDPA Subtest-2	23.30	23.46	23.33	24.00	23.33	23.44	23.26	24.00	23.06	23.32	23.22	24.50
3GPP Rel 6	HSDPA Subtest-3	22.84	22.97	22.90	23.50	22.87	22.95	22.78	23.50	22.63	22.88	22.81	24.00
3GPP Rel 6	HSDPA Subtest-4	22.74	22.89	22.83	23.50	22.83	22.93	22.73	23.50	22.54	22.75	22.62	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.16	23.31	23.24	24.00	23.20	23.38	23.11	24.00	22.91	23.17	23.04	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.08	23.28	23.25	24.00	23.13	23.24	23.18	24.00	23.05	23.21	23.18	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.67	22.81	22.74	23.50	22.71	22.77	22.66	23.50	22.58	22.81	22.70	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.71	22.90	22.78	23.50	22.81	22.85	22.62	23.50	22.48	22.71	22.57	24.00
3GPP Rel 6	HSUPA Subtest-1	23.31	23.43	23.34	24.00	23.35	23.41	23.26	24.00	23.21	23.41	23.38	24.50
3GPP Rel 6	HSUPA Subtest-2	21.20	21.37	21.24	22.00	21.25	21.37	21.10	22.00	21.14	21.29	21.25	22.50
3GPP Rel 6	HSUPA Subtest-3	22.24	22.33	22.23	23.00	22.25	22.34	22.10	23.00	22.22	22.45	22.36	23.50
3GPP Rel 6	HSUPA Subtest-4	21.20	21.30	21.15	22.00	21.28	21.36	21.05	22.00	21.11	21.34	21.19	22.50
3GPP Rel 6	HSUPA Subtest-5	23.30	23.44	23.39	24.00	23.36	23.45	23.25	24.00	23.15	23.37	23.30	24.50



### Band 2 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								
Frequency (MHz)				18700	18900	19100		
20	QPSK	1	0	23.98	24.93	25.88		
20	QPSK	1	49	23.93	24.07	23.94	25	0
20	QPSK	1	99	23.81	23.91	23.78		
20	QPSK	50	0	22.93	23.07	22.93		
20	QPSK	50	24	22.92	23.03	22.98	24	1
20	QPSK	50	50	22.86	22.96	22.90		
20	QPSK	100	0	22.89	22.98	22.91		
20	16QAM	1	0	22.91	23.01	22.99		
20	16QAM	1	49	22.83	22.98	22.87	24	1
20	16QAM	1	99	22.96	22.97	22.87		
20	16QAM	50	0	21.94	21.96	21.89		
20	16QAM	50	24	21.77	21.87	21.74		
20	16QAM	50	50	21.74	21.87	21.79	23	2
20	16QAM	100	0	21.93	21.98	21.93		
20	84QAM	1	0	21.87	21.95	21.88		
20	84QAM	1	49	21.76	21.87	21.74	23	2
20	84QAM	1	99	21.76	21.82	21.76		
20	84QAM	50	0	21.03	21.07	21.02		
20	84QAM	50	24	20.95	20.97	20.87	22	3
20	84QAM	50	50	20.88	21.02	20.99		
20	84QAM	100	0	21.03	21.04	20.91		
Channel								
Frequency (MHz)				18675	18900	19125		
15	QPSK	1	0	23.93	24.02	24.01		
15	QPSK	1	37	23.82	24.01	23.85	25	0
15	QPSK	1	74	23.73	23.77	23.70		
15	QPSK	36	0	22.88	22.93	22.79		
15	QPSK	36	20	22.79	22.90	22.87	24	1
15	QPSK	36	39	22.80	22.90	22.86		
15	QPSK	75	0	22.82	22.94	22.80		
15	16QAM	1	0	22.81	22.97	22.88		
15	16QAM	1	37	22.71	22.76	22.80	24	1
15	16QAM	1	74	22.88	22.93	22.84		
15	16QAM	36	0	21.80	21.87	21.76		
15	16QAM	36	20	21.71	21.74	21.72	23	2
15	16QAM	36	39	21.71	21.77	21.72		
15	16QAM	75	0	21.86	21.86	21.79		
15	84QAM	1	0	21.76	21.83	21.76		
15	84QAM	1	37	21.64	21.79	21.65	23	2
15	84QAM	1	74	21.61	21.73	21.76		
15	84QAM	36	0	20.95	20.99	20.89		
15	84QAM	36	20	20.90	20.94	20.74		
15	84QAM	36	39	20.79	20.90	20.82	22	3
15	84QAM	75	0	21.00	21.00	20.83		
Channel								
Frequency (MHz)				18550	18900	19150		
10	QPSK	1	0	23.92	23.99	24.03		
10	QPSK	1	25	23.89	24.04	23.81	25	0
10	QPSK	1	49	23.66	23.77	23.68		
10	QPSK	25	0	22.89	23.02	22.84		
10	QPSK	25	12	22.84	23.00	22.93	24	1
10	QPSK	25	25	22.79	22.84	22.78		
10	QPSK	50	0	22.76	22.91	22.81		
10	16QAM	1	0	21.83	22.97	22.87		
10	16QAM	1	25	22.72	22.86	22.76	24	1
10	16QAM	1	49	22.85	22.88	22.72		
10	16QAM	25	0	21.79	21.92	21.82		
10	16QAM	25	12	21.63	21.81	21.59	23	2
10	16QAM	25	25	21.63	21.83	21.66		
10	16QAM	50	0	21.83	21.87	21.88		
10	84QAM	1	0	21.75	21.81	21.83		
10	84QAM	1	25	21.66	21.79	21.70	23	2
10	84QAM	1	49	21.62	21.77	21.75		
10	84QAM	25	0	20.95	20.97	20.90		
10	84QAM	25	12	20.90	20.89	20.80	22	3
10	84QAM	25	25	20.81	20.99	20.84		
10	84QAM	50	0	20.93	20.94	20.77		
Channel								
Frequency (MHz)				18625	18900	19175		
5	QPSK	1	0	23.90	24.06	23.94		
5	QPSK	1	12	23.90	23.98	23.84	25	0
5	QPSK	1	24	23.77	23.77	23.65		
5	QPSK	12	0	22.82	22.96	22.84		
5	QPSK	12	7	22.85	22.88	22.92	24	1
5	QPSK	12	13	22.72	22.88	22.78		
5	QPSK	25	0	22.78	22.85	22.85		
5	16QAM	1	0	22.82	22.94	22.84		
5	16QAM	1	12	22.72	22.78	22.84	24	1
5	16QAM	1	24	22.92	22.86	22.81		
5	16QAM	12	0	21.81	21.92	21.77		
5	16QAM	12	7	21.73	21.78	21.62	23	2
5	16QAM	12	13	21.61	21.76	21.68		
5	16QAM	25	0	21.89	21.83	21.84		
5	84QAM	1	0	21.83	21.82	21.76		
5	84QAM	1	12	21.68	21.84	21.59	23	2
5	84QAM	1	24	21.65	21.76	21.70		
5	84QAM	12	0	20.91	21.00	20.97		
5	84QAM	12	7	20.97	20.93	20.85	22	3
5	84QAM	12	13	20.75	20.95	20.84		
5	84QAM	25	0	20.98	20.91	20.88		
Channel								
Frequency (MHz)				18615	18900	19185		
3	QPSK	1	0	23.92	24.01	23.98		
3	QPSK	1	8	23.87	24.04	23.82	25	0
3	QPSK	1	14	23.73	23.81	23.67		
3	QPSK	8	0	22.84	22.93	22.89		
3	QPSK	8	4	22.76	22.89	22.80	24	1
3	QPSK	15	0	22.83	22.83	22.86		
3	QPSK	15	0	22.76	22.85	22.78		
3	16QAM	1	0	22.88	22.87	22.86		
3	16QAM	1	8	22.69	22.81	22.84	24	1
3	16QAM	1	14	22.84	22.91	22.77		
3	16QAM	8	0	21.82	21.82	21.76		
3	16QAM	8	4	21.72	21.80	21.60	23	2
3	16QAM	8	7	21.68	21.76	21.75		
3	16QAM	15	0	21.79	21.92	21.78		
3	84QAM	1	0	21.83	21.87	21.76		
3	84QAM	1	8	21.66	21.79	21.68	23	2
3	84QAM	1	14	21.57	21.70	21.73		
3	84QAM	8	0	20.99	21.03	20.90		
3	84QAM	8	4	20.85	20.87	20.82	22	3
3	84QAM	8	7	20.84	20.87	20.80		
3	84QAM	15	0	20.95	20.92	20.94		
Channel								
Frequency (MHz)				18570	18900	19030		
1.4	QPSK	1	0	23.87	24.09	23.92		
1.4	QPSK	1	3	23.81	23.97	23.84	25	0
1.4	QPSK	1	5	23.74	23.84	23.65		
1.4	QPSK	3	0	23.83	24.00	23.83		
1.4	QPSK	3	1	23.78	23.98	23.87	24	1
1.4	QPSK	3	3	23.73	23.85	23.82		
1.4	QPSK	6	0	22.76	22.89	22.82		
1.4	16QAM	1	0	22.78	22.96	22.95		
1.4	16QAM	1	3	22.77	22.76	22.75	24	1
1.4	16QAM	1	5	22.81	22.76	22.76		
1.4	16QAM	3	0	22.88	22.84	22.78		
1.4	16QAM	3	1	22.71	22.74	22.62	23	2
1.4	16QAM	3	3	22.66	22.80	22.69		
1.4	16QAM	6	0	21.84	21.89	21.86	23	2
1.4	84QAM	1	0	21.83	21.80	21.84		
1.4	84QAM	1	3	21.62	21.82	21.62	23	2
1.4	84QAM	1	5	21.56	21.75	21.59		
1.4	84QAM	3	0	21.89	22.03	21.88		
1.4	84QAM	3	1	21.83	21.83	21.83	23	2
1.4	84QAM	3	3	21.81	21.97	21.92		
1.4	84QAM	6	0	20.89	20.93	20.85	22	3

### Band 4 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								
Frequency (MHz)				20050	20175	20300		
20	QPSK	1	0	23.91	23.92	23.97		
20	QPSK	1	49	23.85	23.90	23.75	25	0
20	QPSK	1	99	23.79	23.84	23.78		
20	QPSK	50	0	22.85	22.98	22.93		
20	QPSK	50	24	22.90	22.96	22.93	24	1
20	QPSK	50	50	22.79	22.93	22.81		
20	QPSK	100	0	22.91	23.00	22.93		
20	16QAM	1	0	23.02	23.04	22.92		
20	16QAM	1	49	22.91	22.91	22.87	24	1
20	16QAM	1	99	22.86	22.89	22.78		
20	16QAM							



### Band 7 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							20850	21100	21350		
Frequency (MHz)							2510	2535	2560		
20	QPSK	1	0	23.73	23.87	23.71	25	0			
20	QPSK	1	49	23.75	23.75	23.71					
20	QPSK	1	99	23.80	23.69	23.62					
20	QPSK	50	0	22.81	22.83	22.61	24	1			
20	QPSK	50	24	22.72	22.82	22.62					
20	QPSK	50	50	22.81	22.74	22.60					
20	QPSK	100	0	22.72	22.79	22.57					
20	16QAM	1	0	22.90	22.78	22.71	24	1			
20	16QAM	1	49	22.82	22.58	22.55					
20	16QAM	1	99	22.70	22.66	22.54					
20	16QAM	50	0	21.92	21.86	21.83	23	2			
20	16QAM	50	24	21.82	21.74	21.69					
20	16QAM	50	50	21.92	21.83	21.79					
20	16QAM	100	0	21.81	21.79	21.69					
20	84QAM	1	0	21.74	21.73	21.66	23	2			
20	84QAM	1	49	21.74	21.66	21.58					
20	84QAM	99	21.88	21.84	21.58						
20	84QAM	50	0	20.82	20.82	20.70	22	3			
20	84QAM	50	24	20.81	20.69	20.58					
20	84QAM	50	50	20.69	20.68	20.67					
20	84QAM	100	0	20.84	20.71	20.67					
Channel							20825	21100	21375		
Frequency (MHz)							2507.5	2535	2562.5		
15	QPSK	1	0	23.69	23.76	23.67	25	0			
15	QPSK	1	37	23.62	23.60	23.61					
15	QPSK	1	74	23.73	23.63	23.51					
15	QPSK	38	20	22.58	22.60	22.51	24	1			
15	QPSK	38	39	22.69	22.70	22.46					
15	QPSK	75	0	22.74	22.58	22.52					
15	16QAM	1	0	22.85	22.64	22.61	24	1			
15	16QAM	1	37	22.67	22.59	22.46					
15	16QAM	1	74	22.67	22.60	22.42					
15	16QAM	36	0	21.80	21.82	21.70	23	2			
15	16QAM	36	20	21.73	21.65	21.58					
15	16QAM	36	39	21.81	21.73	21.72					
15	16QAM	75	0	21.89	21.69	21.64	23	2			
15	84QAM	1	0	21.68	21.63	21.62					
15	84QAM	1	37	21.62	21.52	21.44	23	2			
15	84QAM	1	74	21.59	21.58	21.46					
15	84QAM	36	0	20.68	20.67	20.62	22	3			
15	84QAM	36	20	20.75	20.56	20.55					
15	84QAM	36	39	20.84	20.62	20.60					
15	84QAM	75	0	20.77	20.65	20.63					
Channel							20800	21100	21400		
Frequency (MHz)							2502.5	2535	2567.5		
10	QPSK	1	0	23.81	23.83	23.61	25	0			
10	QPSK	1	25	23.72	23.65	23.59					
10	QPSK	1	49	23.66	23.60	23.52					
10	QPSK	25	0	22.68	22.70	22.46	24	1			
10	QPSK	25	12	22.57	22.53	22.50					
10	QPSK	25	25	22.76	22.71	22.47					
10	QPSK	50	0	22.86	22.80	22.45	24	1			
10	16QAM	1	0	22.80	22.75	22.67					
10	16QAM	1	25	22.78	22.53	22.45	24	1			
10	16QAM	1	49	22.66	22.63	22.49					
10	16QAM	25	0	21.81	21.79	21.78	23	2			
10	16QAM	25	12	21.68	21.66	21.65					
10	16QAM	25	25	21.84	21.76	21.69					
10	16QAM	50	0	21.72	21.73	21.65	23	2			
10	84QAM	1	0	21.65	21.63	21.56					
10	84QAM	1	25	21.69	21.58	21.44	23	2			
10	84QAM	1	49	21.61	21.50	21.50					
10	84QAM	25	0	20.73	20.72	20.61	22	3			
10	84QAM	25	12	20.71	20.54	20.53					
10	84QAM	25	25	20.55	20.63	20.58					
10	84QAM	50	0	20.74	20.68	20.59					
Channel							20775	21100	21425		
Frequency (MHz)							2502.5	2535	2567.5		
5	QPSK	1	0	23.69	23.77	23.57	25	0			
5	QPSK	1	12	23.80	23.66	23.60					
5	QPSK	1	24	23.71	23.58	23.55					
5	QPSK	12	0	22.67	22.68	22.58	24	1			
5	QPSK	12	7	22.61	22.58	22.48					
5	QPSK	12	13	22.75	22.66	22.48					
5	QPSK	25	0	22.72	22.60	22.44					
5	16QAM	1	0	22.79	22.67	22.59	24	1			
5	16QAM	1	12	22.77	22.54	22.44					
5	16QAM	1	24	22.61	22.61	22.44					
5	16QAM	12	0	21.88	21.83	21.78	23	2			
5	16QAM	12	7	21.74	21.65	21.60					
5	16QAM	12	13	21.88	21.76	21.70					
5	16QAM	25	0	21.70	21.64	21.56	23	2			
5	84QAM	1	0	21.62	21.60	21.59					
5	84QAM	1	12	21.63	21.62	21.47					
5	84QAM	1	24	21.60	21.52	21.42	23	2			
5	84QAM	12	0	20.71	20.70	20.60					
5	84QAM	12	7	20.78	20.59	20.44	22	3			
5	84QAM	12	13	20.65	20.55	20.55					
5	84QAM	25	0	20.74	20.61	20.55					

### 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							23050	23095	23130		
Frequency (MHz)							707.5	711.5	715.5		
10	QPSK	1	0	24.31	24.47	24.25	25.5	0			
10	QPSK	1	25	24.19	24.29	24.21					
10	QPSK	1	49	24.33	24.37	24.25					
10	QPSK	25	0	23.26	23.35	23.25	24.5	1			
10	QPSK	25	12	23.20	23.21	23.12					
10	QPSK	25	25	23.04	23.14	23.08					
10	QPSK	50	0	23.18	23.26	23.18					
10	16QAM	1	0	23.42	23.45	23.41	24.5	1			
10	16QAM	1	25	23.27	23.36	23.23					
10	16QAM	1	49	23.34	23.37	23.25					
10	16QAM	25	0	22.43	22.56	22.46	23.5	2			
10	16QAM	25	12	22.39	22.47	22.33					
10	16QAM	25	25	22.48	22.54	22.46					
10	16QAM	50	0	22.54	22.61	22.58					
10	84QAM	1	0	22.61	22.64	22.63	23.5	2			
10	84QAM	1	25	22.47	22.59	22.50					
10	84QAM	1	49	22.56	22.53	22.39					
10	84QAM	25	0	21.56	21.56	21.50	22.5	3			
10	84QAM	25	12	21.39	21.50	21.43					
10	84QAM	25	25	21.42	21.48	21.46					
10	84QAM	50	0	21.46	21.48	21.37					
Channel							23035	23095	23155		
Frequency (MHz)							701.5	707.5	713.5		
5	QPSK	1	0	24.19	24.40	24.14	25.5	0			
5	QPSK	1	12	24.07	24.15	24.14					
5	QPSK	1	24	24.24	24.28	24.13					
5	QPSK	12	0	23.16	23.24	23.21	24.5	1			
5	QPSK	12	7	23.15	23.16	23.01					
5	QPSK	12	13	23.95	23.07	22.99					
5	QPSK	25	0	23.10	23.19	23.09					
5	16QAM	1	0	23.30	23.35	23.34	24.5	1			
5	16QAM	1	12	23.17	23.24	23.18					
5	16QAM	1	24	23.27	23.23	23.16					
5	16QAM	12	0	22.29	22.45	22.38	23.5	2			
5	16QAM	12	7	22.34	22.32	22.25					
5	16QAM	12	13	22.30	22.41	22.34					
5	16QAM	25	0	22.51	22.57	22.49	23.5	2			
5	84QAM	1	0	22.52	22.59	22.51					
5	84QAM	1	12	22.33	22.48	22.44	23.5	2			
5	84QAM	1	24	22.47	22.48	22.35					
5	84QAM	12	0	21.46	21.51	21.39	22.5	3			
5	84QAM	12	7	21.30	21.45	21.35					
5	84QAM	12	13	21.35	21.38	21.42					
5	84QAM	25	0	21.34	21.35	21.33					
Channel							23025	23095	23165		
Frequency (MHz)							700.5	707.5	714.5		
3	QPSK	1	0	24.23	24.32	24.12	25.5	0			
3	QPSK	1	8	24.05	24.19	24.09					
3	QPSK	1	14	24.27	24.34	24.20					
3	QPSK	8	0	23.23	23.28	23.19	24.5	1			
3	QPSK	8	4	23.06	23.06	23.06					
3	QPSK	8	7	22.94	23.02	23.03					
3	QPSK	15	0	23.14	23.19	23.07	24.5	1			



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									
Frequency (MHz)									
10	QPSK	1	0	24.23	24.29	24.27	25.5	0	
10	QPSK	1	25	24.21	24.32	24.27			
10	QPSK	1	49	24.16	24.20	24.15			
10	QPSK	25	0	23.35	23.42	23.28			
10	QPSK	25	12	23.27	23.36	23.29			
10	QPSK	25	25	23.35	23.40	23.30			
10	QPSK	50	0	23.22	23.35	23.23			
10	16QAM	1	0	23.31	23.38	23.27			
10	16QAM	1	25	23.28	23.29	23.14			
10	16QAM	1	49	23.20	23.32	23.31			
10	16QAM	25	0	22.49	22.52	22.41			
10	16QAM	25	12	22.39	22.42	22.39			
10	16QAM	25	25	22.29	22.43	22.35			
10	16QAM	50	0	22.42	22.48	22.44			
10	64QAM	1	0	22.56	22.61	22.54			
10	64QAM	1	25	22.47	22.52	22.45			
10	64QAM	1	49	22.53	22.57	22.44			
10	64QAM	25	0	21.38	21.45	21.34			
10	64QAM	25	12	21.39	21.41	21.28			
10	64QAM	25	25	21.37	21.39	21.38			
10	64QAM	50	0	21.48	21.55	21.44			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.16	24.35	24.15	25.5	0	
5	QPSK	1	12	24.18	24.25	24.19			
5	QPSK	1	24	24.07	24.15	24.09			
5	QPSK	12	0	23.21	23.37	23.24			
5	QPSK	12	7	23.18	23.30	23.23			
5	QPSK	12	13	23.30	23.31	23.19			
5	QPSK	25	0	23.11	23.31	23.14			
5	16QAM	1	0	23.22	23.29	23.11			
5	16QAM	1	12	23.22	23.24	23.11			
5	16QAM	1	24	23.17	23.19	23.22			
5	16QAM	12	0	22.37	22.37	22.44			
5	16QAM	12	7	22.35	22.38	22.30			
5	16QAM	12	13	22.25	22.37	22.20			
5	16QAM	25	0	22.39	22.34	22.35			
5	64QAM	1	0	22.47	22.49	22.50			
5	64QAM	1	12	22.35	22.42	22.34			
5	64QAM	1	24	22.42	22.49	22.31			
5	64QAM	12	0	21.24	21.35	21.26			
5	64QAM	12	7	21.28	21.31	21.16			
5	64QAM	12	13	21.32	21.25	21.30			
5	64QAM	25	0	21.40	21.42	21.31			

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									
Frequency (MHz)									
15	QPSK	1	0	24.49	24.65	24.52	25.5	0	
15	QPSK	1	37	24.45	24.51	24.47			
15	QPSK	1	74	24.50	24.57	24.55			
15	QPSK	36	0	23.46	23.59	23.56			
15	QPSK	36	20	23.47	23.57	23.51			
15	QPSK	36	39	23.41	23.45	23.33			
15	QPSK	75	0	23.44	23.47	23.40			
15	16QAM	1	0	23.60	23.63	23.60			
15	16QAM	1	37	23.44	23.56	23.48			
15	16QAM	1	74	23.45	23.54	23.44			
15	16QAM	36	0	22.58	22.63	22.50			
15	16QAM	36	20	22.47	22.52	22.43			
15	16QAM	36	39	22.50	22.55	22.45			
15	16QAM	75	0	22.48	22.51	22.44			
15	64QAM	1	0	22.57	22.68	22.56			
15	64QAM	1	37	22.47	22.60	22.51			
15	64QAM	1	74	22.51	22.58	22.56			
15	64QAM	36	0	21.52	21.61	21.49			
15	64QAM	36	20	21.41	21.49	21.40			
15	64QAM	36	39	21.53	21.54	21.44			
15	64QAM	75	0	21.40	21.47	21.43			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.40	24.59	24.44	25.5	0	
10	QPSK	1	25	24.38	24.40	24.39			
10	QPSK	1	49	24.45	24.46	24.40			
10	QPSK	25	0	23.43	23.54	23.47			
10	QPSK	25	12	23.39	23.48	23.36			
10	QPSK	25	25	23.37	23.34	23.29			
10	QPSK	50	0	23.38	23.40	23.33			
10	16QAM	1	0	23.55	23.59	23.48			
10	16QAM	1	25	23.33	23.53	23.40			
10	16QAM	1	49	23.34	23.40	23.38			
10	16QAM	25	0	22.48	22.51	22.47			
10	16QAM	25	12	22.43	22.43	22.37			
10	16QAM	25	25	22.43	22.44	22.31			
10	16QAM	50	0	22.41	22.43	22.39			
10	64QAM	1	0	22.53	22.61	22.46			
10	64QAM	1	25	22.37	22.51	22.36			
10	64QAM	1	49	22.43	22.46	22.49			
10	64QAM	25	0	21.45	21.47	21.39			
10	64QAM	25	12	21.32	21.42	21.35			
10	64QAM	25	25	21.46	21.44	21.31			
10	64QAM	50	0	21.37	21.38	21.34			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.37	24.61	24.45	25.5	0	
5	QPSK	1	12	24.31	24.46	24.32			
5	QPSK	1	24	24.39	24.49	24.44			
5	QPSK	12	0	23.34	23.51	23.50			
5	QPSK	12	7	23.41	23.43	23.36			
5	QPSK	12	13	23.26	23.40	23.32			
5	QPSK	25	0	23.33	23.32	23.25			
5	16QAM	1	0	23.51	23.57	23.54			
5	16QAM	1	12	23.41	23.43	23.36			
5	16QAM	1	24	23.34	23.41	23.29			
5	16QAM	12	0	22.52	22.56	22.43			
5	16QAM	12	7	22.35	22.47	22.30			
5	16QAM	12	13	22.37	22.45	22.38			
5	16QAM	25	0	22.43	22.36	22.36			
5	64QAM	1	0	22.52	22.60	22.45			
5	64QAM	1	12	22.41	22.46	22.45			
5	64QAM	1	24	22.41	22.50	22.46			
5	64QAM	12	0	21.42	21.57	21.43			
5	64QAM	12	7	21.37	21.45	21.25			
5	64QAM	12	13	21.40	21.44	21.37			
5	64QAM	25	0	21.29	21.39	21.31			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.40	24.60	24.40	25.5	0	
3	QPSK	1	8	24.33	24.47	24.41			
3	QPSK	1	14	24.37	24.53	24.50			
3	QPSK	8	0	23.36	23.45	23.41			
3	QPSK	8	4	23.41	23.43	23.44			
3	QPSK	8	7	23.28	23.42	23.19			
3	QPSK	15	0	23.41	23.41	23.35			
3	16QAM	1	0	23.56	23.60	23.48			
3	16QAM	1	8	23.31	23.55	23.34			
3	16QAM	1	14	23.42	23.51	23.39			
3	16QAM	8	0	22.44	22.58	22.43			
3	16QAM	8	4	22.35	22.37	22.39			
3	16QAM	8	7	22.44	22.46	22.41			
3	16QAM	15	0	22.37	22.41	22.33			
3	64QAM	1	0	22.42	22.55	22.46			
3	64QAM	1	8	22.33	22.52	22.43			
3	64QAM	1	14	22.47	22.52	22.50			
3	64QAM	8	0	21.43	21.47	21.38			
3	64QAM	8	4	21.38	21.43	21.31			
3	64QAM	8	7	21.39	21.43	21.30			
3	64QAM	15	0	21.27	21.35	21.34			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.45	24.56	24.40	25.5	0	
1.4	QPSK	1	3	24.35	24.46	24.39			
1.4	QPSK	1	5	24.44	24.50	24.50			
1.4	QPSK	3	0	24.38	24.53	24.51			
1.4	QPSK	3	1	24.35	24.45	24.43			
1.4	QPSK	3	3	24.35	24.39	24.27			
1.4	QPSK	6	0	23.38	23.40	23.29			
1.4	16QAM	1	0	23.46	23.58	23.55			
1.4	16QAM	1	3	23.29	23.47	23.38			
1.4	16QAM	1	5	23.39	23.51	23.33			
1.4	16QAM	3	0	23.48	23.49	23.36			
1.4	16QAM	3	1	23.34	23.39	23.40			
1.4	16QAM	3	3	23.39	23.42	23.35			
1.4	64QAM	6	0	22.37	22.45	22.37			
1.4	64QAM	1	0	22.52	22.59	22.53			
1.4	64QAM	1	3	22.35	22.50	22.40			
1.4	64QAM	3	0	22.37	22.47	22.45			
1.4	64QAM	3	1	22.35	22.37	22.33			
1.4	64QAM	3	3	22.39	22.42	22.38			
1.4	64QAM	6	0	21.32	21.34	21.36			

Band 66 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									
Frequency (MHz)									
20	QPSK	1	0	23.93	23.94	23.70	25	0	
20	QPSK	1	49	23.91	23.93	23.79			
20	QPSK	1	99	23.78	23.81	23.80			
20	QPSK	50	0	22.81	22.96	22.90			
20	QPSK	50	24	22.75	22.88	22.82			
20	QPSK	50	50	22.76	22.77	22.70			
20	QPSK	100	0	22.79	22.91	22.87			
20	16QAM	1	0	22.87	23.00	22.96			
20	16QAM	1	49	22.73	22.97	22.85			
20	16QAM	1	99	22.90	22.97				



Band 38 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.15	24.23	24.07	25.5	0		
20	QPSK	1	49	24.07	24.12	23.98				
20	QPSK	1	99	23.94	24.08	23.98				
20	QPSK	50	0	23.15	23.26	23.17	24.5	1		
20	QPSK	50	24	23.11	23.20	23.13				
20	QPSK	50	50	23.11	23.24	23.15				
20	QPSK	100	0	23.17	23.21	23.07	24.5	1		
20	16QAM	1	0	23.03	23.18	23.12				
20	16QAM	1	49	22.99	23.08	23.03				
20	16QAM	1	99	22.95	23.06	22.98	23.5	2		
20	16QAM	50	0	22.29	22.42	22.31				
20	16QAM	50	24	22.22	22.35	22.31				
20	16QAM	50	50	22.34	22.38	22.25	23.5	2		
20	16QAM	100	0	22.32	22.37	22.32				
20	84QAM	1	0	22.13	22.24	22.20				
20	84QAM	1	49	22.07	22.16	22.06	23.5	2		
20	84QAM	1	99	22.16	22.20	22.14				
20	84QAM	50	0	21.32	21.40	21.29				
20	84QAM	50	24	21.19	21.28	21.15	22.5	3		
20	84QAM	50	50	21.23	21.32	21.20				
20	84QAM	100	0	21.27	21.32	21.25				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.10	24.14	24.03	25.5	0		
15	QPSK	1	37	24.00	24.08	23.90				
15	QPSK	1	74	23.91	23.93	23.89				
15	QPSK	36	0	23.00	23.21	23.04	24.5	1		
15	QPSK	36	20	23.04	23.17	23.10				
15	QPSK	36	39	23.07	23.12	23.09				
15	QPSK	75	0	23.04	23.08	23.00	24.5	1		
15	16QAM	1	0	22.94	23.05	23.07				
15	16QAM	1	37	22.91	22.95	22.92				
15	16QAM	1	74	22.86	23.03	22.88	23.5	2		
15	16QAM	36	0	22.19	22.36	22.24				
15	16QAM	36	20	22.10	22.21	22.22				
15	16QAM	36	39	22.29	22.24	22.10	23.5	2		
15	16QAM	75	0	22.27	22.29	22.21				
15	84QAM	1	0	22.05	22.10	22.11				
15	84QAM	1	37	21.95	22.02	21.94	23.5	2		
15	84QAM	1	74	22.04	22.08	22.09				
15	84QAM	36	0	21.22	21.32	21.14				
15	84QAM	36	20	21.08	21.22	21.12	22.5	3		
15	84QAM	36	39	21.10	21.19	21.07				
15	84QAM	75	0	21.16	21.21	21.21				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.08	24.15	24.02	25.5	0		
10	QPSK	1	25	23.98	24.02	23.95				
10	QPSK	1	49	23.90	23.93	23.89				
10	QPSK	25	0	23.01	23.22	23.05	24.5	1		
10	QPSK	25	12	23.07	23.14	23.05				
10	QPSK	25	25	22.99	23.18	23.05				
10	QPSK	50	0	23.12	23.13	23.01	24.5	1		
10	16QAM	1	0	22.92	23.08	23.05				
10	16QAM	1	25	22.91	22.94	22.92				
10	16QAM	1	49	22.81	22.98	22.88	23.5	2		
10	16QAM	25	0	22.25	22.29	22.22				
10	16QAM	25	12	22.12	22.28	22.21				
10	16QAM	25	25	22.29	22.32	22.11	23.5	2		
10	16QAM	50	0	22.19	22.27	22.21				
10	84QAM	1	0	22.04	22.16	22.05				
10	84QAM	1	25	21.94	22.04	21.92	23.5	2		
10	84QAM	1	49	22.03	22.15	22.10				
10	84QAM	25	0	21.23	21.27	21.20				
10	84QAM	25	12	21.13	21.20	21.09	22.5	3		
10	84QAM	25	25	21.12	21.19	21.09				
10	84QAM	50	0	21.17	21.27	21.11				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.10	24.14	23.96	25.5	0		
5	QPSK	1	12	23.93	24.02	23.90				
5	QPSK	1	24	23.90	23.95	23.83				
5	QPSK	12	0	23.02	23.15	23.05	24.5	1		
5	QPSK	12	7	23.08	23.13	23.07				
5	QPSK	12	13	23.05	23.21	23.11				
5	QPSK	25	0	23.05	23.12	22.97	24.5	1		
5	16QAM	1	0	22.99	23.06	23.06				
5	16QAM	1	12	22.96	23.01	22.98				
5	16QAM	1	24	22.85	22.99	22.90	23.5	2		
5	16QAM	12	0	22.18	22.32	22.24				
5	16QAM	12	7	22.10	22.29	22.24				
5	16QAM	12	13	22.29	22.26	22.16	23.5	2		
5	16QAM	25	0	22.21	22.28	22.19				
5	84QAM	1	0	22.03	22.21	22.12				
5	84QAM	1	12	21.97	22.11	21.95	23.5	2		
5	84QAM	1	24	22.02	22.05	22.06				
5	84QAM	12	0	21.20	21.33	21.26				
5	84QAM	12	7	21.11	21.21	21.06	22.5	3		
5	84QAM	12	13	21.19	21.21	21.08				
5	84QAM	25	0	21.19	21.23	21.17				

Band 41 Ant0 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	24.06	24.22	24.29	24.26	24.20	25.5	0		
20	QPSK	1	49	23.93	23.99	24.05	23.97	24.00				
20	QPSK	1	99	23.92	23.95	23.99	23.94	23.98				
20	QPSK	50	0	23.29	23.22	23.34	23.24	23.24	24.5	1		
20	QPSK	50	24	23.14	23.14	23.22	23.13	23.10				
20	QPSK	50	50	23.02	23.06	23.14	23.00	23.05				
20	QPSK	100	0	23.31	23.29	23.38	23.30	23.28	24.5	1		
20	16QAM	1	0	23.26	23.24	23.31	23.17	23.22				
20	16QAM	1	49	23.13	23.20	23.25	23.20	23.11				
20	16QAM	1	99	23.14	23.17	23.24	23.14	23.16	23.5	2		
20	16QAM	50	0	22.36	22.33	22.46	22.38	22.31				
20	16QAM	50	24	22.29	22.25	22.38	22.35	22.23				
20	16QAM	50	50	22.21	22.25	22.37	22.26	22.28	23.5	2		
20	16QAM	100	0	22.32	22.37	22.44	22.39	22.29				
20	84QAM	1	0	22.13	22.16	22.23	22.10	22.10				
20	84QAM	1	49	22.08	22.13	22.18	22.14	22.01	23.5	2		
20	84QAM	1	99	22.02	22.06	22.16	22.12	22.11				
20	84QAM	50	0	21.34	21.33	21.41	21.35	21.32				
20	84QAM	50	24	21.29	21.27	21.37	21.33	21.21	22.5	3		
20	84QAM	50	50	21.22	21.22	21.32	21.23	21.29				
20	84QAM	100	0	21.44	21.34	21.47	21.33	21.37				
Channel				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	23.92	24.12	24.18	24.21	24.06	26	0		
15	QPSK	1	37	23.84	23.87	23.93	23.86	23.85				
15	QPSK	1	74	23.87	23.91	23.87	23.84	23.90				
15	QPSK	36	0	23.23	23.21	23.20	23.18	23.15	24.5	1		
15	QPSK	36	20	23.09	23.10	23.09	23.00	23.00				
15	QPSK	36	39	22.94	23.00	23.07	22.91	23.01				
15	QPSK	75	0	23.17	23.20	23.24	23.22	23.15	24.5	1		
15	16QAM	1	0	23.19	23.14	23.26	23.08	23.16				
15	16QAM	1	37	23.07	23.14	23.20	23.06	23.01				
15	16QAM	1	74	23.04	23.09	23.12	23.10	23.12	23.5	2		
15	16QAM	36	0	22.26	22.28	22.41	22.29	22.28				
15	16QAM	36	20	22.23	22.12	22.34	22.30	22.18				
15	16QAM	36	39	22.13	22.15	22.33</						



GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.35	32.41	32.26	33.50	23.35	23.41	23.26	24.50
GPRS 1 Tx slot	32.31	32.37	32.13	33.50	23.31	23.37	23.13	24.50
GPRS 2 Tx slots	28.98	29.21	28.86	30.00	22.98	23.21	22.86	24.00
GPRS 3 Tx slots	27.10	27.17	27.01	28.50	22.84	22.91	22.75	24.24
GPRS 4 Tx slots	25.78	25.96	25.88	27.50	22.78	22.96	22.88	24.50
EDGE 1 Tx slot	26.82	26.97	26.93	27.50	17.82	17.97	17.93	18.50
EDGE 2 Tx slots	24.20	24.32	24.24	25.00	18.20	18.32	18.24	19.00
EDGE 3 Tx slots	22.51	22.58	22.54	23.50	18.25	18.32	18.28	19.24
EDGE 4 Tx slots	21.24	21.32	21.16	22.50	18.24	18.32	18.16	19.50

GSM1900 Ant1 DSI1

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)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.82	25.99	25.85	26.50	16.82	16.99	16.85	17.50
GPRS 1 Tx slot	25.74	25.92	25.77	26.50	16.74	16.92	16.77	17.50
GPRS 2 Tx slots	22.04	22.27	22.07	23.00	16.04	16.27	16.07	17.00
GPRS 3 Tx slots	20.25	20.46	20.30	21.40	15.99	16.20	16.04	17.14
GPRS 4 Tx slots	19.09	19.32	19.16	20.50	16.09	16.32	16.16	17.50
EDGE 1 Tx slot	25.77	25.96	25.82	26.50	16.77	16.96	16.82	17.50
EDGE 2 Tx slots	22.08	22.25	22.11	23.00	16.08	16.25	16.11	17.00
EDGE 3 Tx slots	20.18	20.43	20.24	21.50	15.92	16.17	15.98	17.24
EDGE 4 Tx slots	18.93	19.18	19.05	20.50	15.93	16.18	16.05	17.50

WCDMA II Ant1 DSI1

WCDMA IV Ant1 DSI1

WCDMA V Ant1 Default

Band	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	14.85	14.98	14.72	16.00	16.32	16.38	16.24	17.00	23.93	24.09	24.06	25.50
3GPP Rel 99	RMC 12.2Kbps	15.00	15.04	14.85	16.00	16.42	16.47	16.32	17.00	24.12	24.23	24.18	25.50
3GPP Rel 6	HSDPA Subtest-1	14.03	14.06	13.94	15.00	15.39	15.39	15.31	16.00	23.10	23.22	23.15	24.50
3GPP Rel 6	HSDPA Subtest-2	13.88	13.96	13.91	15.00	15.34	15.58	15.30	16.00	22.94	23.03	22.94	24.50
3GPP Rel 6	HSDPA Subtest-3	13.53	13.51	13.46	14.50	14.99	14.91	14.73	15.50	22.50	22.72	22.59	24.00
3GPP Rel 6	HSDPA Subtest-4	13.49	13.63	13.45	14.50	14.85	14.91	14.90	15.50	22.49	22.59	22.49	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.06	14.03	13.95	15.00	15.29	15.62	15.23	16.00	23.02	23.22	23.03	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	13.86	14.01	13.87	15.00	15.45	15.57	15.30	16.00	23.13	23.06	22.94	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	13.32	13.50	13.32	14.50	14.95	15.06	14.76	15.50	22.44	22.71	22.55	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.51	13.53	13.34	14.50	15.04	15.06	14.81	15.50	22.32	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-1	13.88	14.03	13.91	15.00	15.37	15.55	15.21	16.00	23.04	23.20	23.04	24.50
3GPP Rel 6	HSUPA Subtest-2	12.00	12.07	11.86	13.00	13.43	13.60	13.34	14.00	21.01	21.22	21.04	22.50
3GPP Rel 6	HSUPA Subtest-3	12.98	13.13	12.91	14.00	14.42	14.54	14.37	15.00	21.92	22.18	21.83	23.50
3GPP Rel 6	HSUPA Subtest-4	11.91	11.99	11.79	13.00	13.40	13.51	13.22	14.00	21.00	21.15	21.00	22.50
3GPP Rel 6	HSUPA Subtest-5	13.89	13.98	14.01	15.00	15.47	15.53	15.29	16.00	23.03	23.23	22.99	24.50





### Band 2 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								
Frequency (MHz)								
20	QPSK	0	0	15.07	15.29	15.13		
20	QPSK	1	49	15.05	15.05	15.15	16	0
20	QPSK	1	99	15.03	15.16	15.16		
20	QPSK	50	0	15.12	15.24	15.05		
20	QPSK	50	24	15.06	15.17	15.13	16	0
20	QPSK	50	50	15.12	15.06	15.08		
20	QPSK	100	0	14.93	15.14	15.06		
20	16QAM	1	0	15.08	15.19	15.07		
20	16QAM	1	49	15.04	15.21	15.14	16	0
20	16QAM	1	99	15.01	15.17	15.11		
20	16QAM	50	0	15.05	15.02	15.03		
20	16QAM	50	24	14.96	15.15	15.05	16	0
20	16QAM	50	50	15.01	15.12	15.11		
20	16QAM	100	0	15.12	15.17	15.10		
20	8QAM	1	0	15.04	15.14	15.03		
20	8QAM	1	49	15.15	15.22	15.17	16	0
20	8QAM	1	99	15.10	15.06	15.14		
20	8QAM	50	0	15.04	15.19	15.04		
20	8QAM	50	24	15.11	15.16	15.00	16	0
20	8QAM	50	50	15.03	15.17	15.06		
20	8QAM	100	0	14.94	15.14	15.02		
Channel								
Frequency (MHz)								
15	QPSK	1	0	14.97	15.25	15.09		
15	QPSK	1	37	14.93	14.98	15.03	16	0
15	QPSK	1	74	14.94	15.13	15.12		
15	QPSK	36	0	15.01	15.16	14.92		
15	QPSK	36	20	14.97	15.10	15.07	16	0
15	QPSK	36	39	15.06	15.07	15.09		
15	QPSK	75	0	15.06	15.14	15.00		
15	16QAM	1	0	14.94	15.13	14.92		
15	16QAM	1	37	14.90	15.17	15.02	16	0
15	16QAM	1	74	14.97	15.02	15.07		
15	16QAM	36	0	15.00	14.94	14.98		
15	16QAM	36	20	14.82	15.09	14.98	16	0
15	16QAM	36	39	14.94	15.01	14.99		
15	16QAM	75	0	15.02	15.09	15.03		
15	8QAM	1	0	15.01	15.05	14.93		
15	8QAM	1	37	15.04	15.18	15.03	16	0
15	8QAM	1	74	15.01	14.94	15.04		
15	8QAM	36	0	14.93	15.09	14.92		
15	8QAM	36	20	15.06	15.11	14.93	16	0
15	8QAM	36	39	14.88	15.14	14.99		
15	8QAM	75	0	14.97	15.08	15.02		
Channel								
Frequency (MHz)								
10	QPSK	1	0	14.98	15.15	14.98		
10	QPSK	1	25	15.01	14.97	15.05	16	0
10	QPSK	1	49	14.97	15.02	15.10		
10	QPSK	25	0	15.08	15.09	14.99		
10	QPSK	25	12	14.94	15.05	15.09	16	0
10	QPSK	25	25	15.02	15.07	15.03		
10	QPSK	50	0	14.91	15.08	15.00		
10	16QAM	1	0	14.96	15.10	14.95		
10	16QAM	1	25	14.91	15.17	15.10	16	0
10	16QAM	1	49	14.93	15.14	15.04		
10	16QAM	25	0	14.95	14.91	14.93		
10	16QAM	25	12	14.85	15.06	14.95	16	0
10	16QAM	25	25	14.97	15.01	14.97		
10	16QAM	50	0	15.03	15.06	15.02		
10	8QAM	1	0	14.91	15.03	14.92		
10	8QAM	1	25	15.03	15.12	15.08	16	0
10	8QAM	1	49	15.04	14.97	15.05		
10	8QAM	25	0	14.94	15.07	14.91		
10	8QAM	25	12	14.86	15.01	14.91	16	0
10	8QAM	25	25	14.92	15.06	14.93		
10	8QAM	50	0	14.83	15.08	15.05		
Channel								
Frequency (MHz)								
5	QPSK	1	0	14.99	15.25	15.09		
5	QPSK	1	12	14.99	14.99	15.01	16	0
5	QPSK	1	24	14.90	15.09	15.08		
5	QPSK	12	0	15.03	15.20	14.97		
5	QPSK	12	7	15.02	15.02	14.98	16	0
5	QPSK	25	0	14.97	15.06	15.01		
5	QPSK	25	0	14.97	15.12	15.01		
5	16QAM	1	0	14.97	15.16	15.02		
5	16QAM	1	12	14.94	15.13	15.05	16	0
5	16QAM	1	24	14.97	15.14	15.06		
5	16QAM	12	0	14.96	14.91	14.95		
5	16QAM	12	7	14.86	15.03	14.91	16	0
5	16QAM	12	13	14.92	15.08	15.01		
5	16QAM	25	0	14.98	15.12	14.97		
5	8QAM	1	0	15.01	15.05	14.94		
5	8QAM	1	12	15.11	15.16	15.07	16	0
5	8QAM	1	24	14.98	14.97	15.05		
5	8QAM	12	0	14.96	15.10	14.90		
5	8QAM	12	7	15.02	15.01	14.92	16	0
5	8QAM	12	13	14.94	15.14	14.91		
5	8QAM	25	0	14.84	14.96	15.08		
Channel								
Frequency (MHz)								
3	QPSK	1	0	14.92	15.20	14.99		
3	QPSK	1	8	14.95	14.93	15.05	16	0
3	QPSK	1	14	14.92	15.10	15.02		
3	QPSK	8	0	15.06	15.10	14.97		
3	QPSK	8	4	14.95	15.03	14.99	16	0
3	QPSK	8	7	15.05	15.01	15.03		
3	QPSK	15	0	14.89	15.13	14.93		
3	16QAM	1	0	14.94	15.05	14.96		
3	16QAM	1	8	15.00	15.07	14.99	16	0
3	16QAM	1	14	14.87	15.07	15.05		
3	16QAM	8	0	14.93	14.96	14.96		
3	16QAM	8	4	14.94	15.01	14.94	16	0
3	16QAM	8	7	14.88	15.04	15.03		
3	16QAM	15	0	15.01	15.09	15.06		
3	8QAM	1	0	14.91	15.06	14.99		
3	8QAM	1	8	15.02	15.16	15.09	16	0
3	8QAM	1	14	14.97	15.01	15.03		
3	8QAM	8	0	14.99	15.13	14.94		
3	8QAM	8	4	15.06	15.04	14.99	16	0
3	8QAM	8	7	14.90	15.07	15.00		
3	8QAM	15	0	14.83	15.09	15.00		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	14.94	15.20	15.07		
1.4	QPSK	1	3	14.94	15.02	15.12	16	0
1.4	QPSK	1	5	14.97	15.09	15.09		
1.4	QPSK	3	0	15.08	15.16	14.94		
1.4	QPSK	3	1	14.93	15.02	15.05	16	0
1.4	QPSK	3	3	15.00	14.93	14.98		
1.4	QPSK	6	0	14.96	15.13	14.94	16	0
1.4	16QAM	1	0	15.04	15.12	14.98		
1.4	16QAM	1	3	14.96	15.13	14.99	16	0
1.4	16QAM	1	5	14.92	15.09	15.01		
1.4	16QAM	3	0	14.90	14.96	14.96		
1.4	16QAM	3	1	14.99	15.11	14.96	16	0
1.4	16QAM	3	3	14.89	15.06	15.03		
1.4	16QAM	6	0	15.04	15.05	15.05	16	0
1.4	8QAM	1	0	14.96	15.10	14.90		
1.4	8QAM	1	3	15.02	15.19	15.09	16	0
1.4	8QAM	1	5	14.98	14.99	15.08		
1.4	8QAM	3	0	14.96	15.06	14.97		
1.4	8QAM	3	1	15.02	15.10	14.99	16	0
1.4	8QAM	3	3	14.90	15.10	14.95		
1.4	8QAM	6	0	14.87	15.10	15.05	16	0

### Band 4 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								
Frequency (MHz)								
20	QPSK	1	0	16.52	16.55	16.44		
20	QPSK	1	49	16.45	16.44	16.38	17	0
20	QPSK	1	99	16.33	16.47	16.27		
20	QPSK	50	0	16.35	16.51	16.39		
20	QPSK	50	24	16.50	16.49	16.31	17	0
20	QPSK	50	50	16.41	16.47	16.28		
20	QPSK	100	0	16.34	16.49	16.35		
20	16QAM	1	0	16.50	16.36	16.38		
20	16QAM	1	49	16.45	16.45	16.33	17	0
20	16QAM	1	99	16.43	16.53	16.38		
20	16QAM	50	0	16.33	16.40	16.43		
20	16QAM	50	24	16.49	16.45	16.37	17	0
20	16QAM	50	50	16.51	16.39	16.42		
20	16QAM	100	0	16.38	16.53	16.38		
20								



### Band 7 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								
Frequency (MHz)				20650	21100	21350		
20	QPSK	1	0	16.07	16.20	16.04		
20	QPSK	1	49	16.09	16.04	15.99	17	0
20	QPSK	1	99	16.03	16.11	15.91		
20	QPSK	50	0	16.07	16.16	15.94		
20	QPSK	50	24	16.00	16.11	15.96	17	0
20	QPSK	50	50	15.95	16.15	15.92		
20	QPSK	100	0	16.00	16.01	15.93		
20	16QAM	1	0	16.02	16.02	15.88		
20	16QAM	1	49	15.97	16.09	15.92	17	0
20	16QAM	1	99	15.91	16.16	15.94		
20	16QAM	50	0	15.96	16.09	15.95		
20	16QAM	50	24	15.98	16.16	16.01	17	0
20	16QAM	50	50	16.07	16.04	15.99		
20	16QAM	100	0	16.00	16.01	15.93		
20	84QAM	1	0	15.95	16.10	15.85		
20	84QAM	1	49	15.96	16.06	15.96	17	0
20	84QAM	1	99	16.00	16.11	15.89		
20	84QAM	50	0	15.97	16.07	15.97		
20	84QAM	50	24	15.98	16.09	16.00	17	0
20	84QAM	50	50	15.98	16.05	16.06		
20	84QAM	100	0	15.98	16.02	15.96		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	15.99	16.10	15.93		
15	QPSK	1	37	16.03	15.90	15.88	17	0
15	QPSK	1	74	15.94	15.98	15.83		
15	QPSK	36	0	16.00	16.06	15.88		
15	QPSK	36	20	15.94	16.03	15.89	17	0
15	QPSK	36	39	15.83	16.06	15.78		
15	QPSK	75	0	15.87	16.02	15.87		
15	16QAM	1	0	15.94	15.90	15.77		
15	16QAM	1	37	15.84	15.98	15.80	17	0
15	16QAM	1	74	15.88	16.01	15.87		
15	16QAM	36	0	15.93	16.02	15.91		
15	16QAM	36	20	15.86	16.11	15.91	17	0
15	16QAM	36	39	15.97	15.89	15.93		
15	16QAM	75	0	15.94	15.93	15.86		
15	84QAM	1	0	15.91	15.96	15.72		
15	84QAM	1	37	15.82	15.93	15.86	17	0
15	84QAM	1	74	15.96	16.01	15.83		
15	84QAM	36	0	15.91	15.93	15.83		
15	84QAM	36	20	15.93	16.05	15.93	17	0
15	84QAM	36	39	15.90	15.96	15.99		
15	84QAM	75	0	15.98	16.02	15.87		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.95	16.10	15.95		
10	QPSK	1	25	15.98	15.91	15.94	17	0
10	QPSK	1	49	15.91	16.01	15.84		
10	QPSK	25	0	16.00	16.04	15.84		
10	QPSK	25	12	15.89	15.97	15.84	17	0
10	QPSK	25	25	15.83	15.99	15.79		
10	QPSK	50	0	15.86	15.95	15.87		
10	16QAM	1	0	15.90	15.87	15.75		
10	16QAM	1	25	15.83	15.97	15.84	17	0
10	16QAM	1	49	15.81	16.10	15.84		
10	16QAM	25	0	15.86	15.95	15.86		
10	16QAM	25	12	15.89	16.04	15.87	17	0
10	16QAM	25	25	16.02	15.93	15.90		
10	16QAM	50	0	15.91	15.96	15.81		
10	84QAM	1	0	15.86	16.05	15.76		
10	84QAM	1	25	15.87	15.96	15.81	17	0
10	84QAM	1	49	15.88	16.00	15.81		
10	84QAM	25	0	15.84	16.03	15.92		
10	84QAM	25	12	15.88	16.04	15.92	17	0
10	84QAM	25	25	15.92	15.99	15.92		
10	84QAM	50	0	15.88	16.02	15.89		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	15.95	16.06	15.94		
5	QPSK	1	12	15.97	15.93	15.93	17	0
5	QPSK	1	24	15.91	16.08	15.81		
5	QPSK	12	0	16.03	16.11	15.81		
5	QPSK	12	7	15.87	15.99	15.83	17	0
5	QPSK	12	13	15.81	16.10	15.77		
5	QPSK	25	0	15.91	16.01	15.86		
5	16QAM	1	0	15.91	15.88	15.83		
5	16QAM	1	12	15.84	15.97	15.81	17	0
5	16QAM	1	24	15.84	16.07	15.87		
5	16QAM	12	0	15.89	16.03	15.82		
5	16QAM	12	7	15.83	16.04	15.96	17	0
5	16QAM	12	13	15.95	15.94	15.95		
5	16QAM	25	0	15.86	15.91	15.89		
5	84QAM	1	0	15.89	15.95	15.73		
5	84QAM	1	12	15.92	15.94	15.81	17	0
5	84QAM	1	24	15.93	16.00	15.79		
5	84QAM	12	0	15.90	15.94	15.85		
5	84QAM	12	7	15.89	15.96	15.91	17	0
5	84QAM	12	13	15.91	15.97	15.97		
5	84QAM	25	0	15.97	16.03	15.87		

### Band 12 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)				23000	23096	23190		
10	QPSK	1	0	24.35	24.50	24.30		
10	QPSK	1	25	24.20	24.30	24.26	25.5	0
10	QPSK	1	49	24.39	24.38	24.27		
10	QPSK	25	0	23.27	23.37	23.31		
10	QPSK	25	12	23.26	23.26	23.15	24.5	1
10	QPSK	25	25	23.08	23.15	23.14		
10	16QAM	50	0	23.21	23.33	23.21		
10	16QAM	1	0	23.44	23.50	23.44		
10	16QAM	1	25	23.31	23.38	23.24	24.5	1
10	16QAM	1	49	23.39	23.38	23.29		
10	16QAM	25	0	22.39	22.56	22.42		
10	16QAM	25	12	22.37	22.46	22.31	23.5	2
10	16QAM	25	25	22.45	22.54	22.42		
10	84QAM	50	0	22.51	22.57	22.57		
10	84QAM	1	0	22.57	22.60	22.60		
10	84QAM	1	25	22.46	22.55	22.47	23.5	2
10	84QAM	1	49	22.48	22.50	22.35		
10	84QAM	25	0	21.51	21.57	21.51		
10	84QAM	25	12	21.38	21.45	21.40	22.5	3
10	84QAM	25	25	21.40	21.45	21.47		
10	84QAM	50	0	21.46	21.48	21.36		
Channel				23035	23095	23155		
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.32	24.39	24.21		
5	QPSK	1	12	24.15	24.27	24.20	25.5	0
5	QPSK	1	24	24.28	24.26	24.17		
5	QPSK	12	0	23.13	23.25	23.24		
5	QPSK	12	7	23.19	23.13	23.04	24.5	1
5	QPSK	12	13	23.01	23.03	23.00		
5	QPSK	25	0	23.16	23.29	23.17		
5	16QAM	1	0	23.34	23.44	23.39		
5	16QAM	1	12	23.19	23.29	23.19	24.5	1
5	16QAM	1	24	23.24	23.29	23.18		
5	16QAM	12	0	22.25	22.45	22.36		
5	16QAM	12	7	22.30	22.31	22.26	23.5	2
5	16QAM	12	13	22.30	22.43	22.35		
5	16QAM	25	0	22.45	22.42	22.44		
5	84QAM	1	0	22.45	22.51	22.47		
5	84QAM	1	12	22.36	22.52	22.43	23.5	2
5	84QAM	1	24	22.36	22.40	22.32		
5	84QAM	12	0	21.45	21.43	21.43		
5	84QAM	12	7	21.24	21.32	21.26	22.5	3
5	84QAM	12	13	21.27	21.35	21.34		
5	84QAM	25	0	21.40	21.40	21.37		
Channel				23025	23095	23165		
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.25	24.34	24.18		
3	QPSK	1	8	24.05	24.25	24.19	25.5	0
3	QPSK	1	14	24.29	24.27	24.14		
3	QPSK	6	0	23.23	23.23	23.24		
3	QPSK	6	4	23.11	23.17	23.07	24.5	1
3	QPSK	6	7	23.04	23.05	23.00		
3	QPSK	15	0	23.09	23.19	23.08		
3	16QAM							



Band 17 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23760	23800			
Frequency (MHz)				705	710	715			
10	QPSK	1	0	24.31	24.49	24.39			
10	QPSK	1	25	24.30	24.44	24.39	25.5	0	
10	QPSK	1	49	24.24	24.28	24.24			
10	QPSK	25	0	23.49	23.55	23.42			
10	QPSK	25	12	23.41	23.51	23.38	24.5	1	
10	QPSK	25	25	23.50	23.50	23.39			
10	16QAM	50	0	23.36	23.47	23.38			
10	16QAM	1	0	23.45	23.53	23.42			
10	16QAM	1	25	23.41	23.42	23.23	24.5	1	
10	16QAM	1	49	23.30	23.44	23.41			
10	16QAM	25	0	22.51	22.57	22.42			
10	16QAM	25	12	22.43	22.46	22.42	23.5	2	
10	16QAM	25	25	22.33	22.45	22.38			
10	16QAM	50	0	22.45	22.52	22.43			
10	64QAM	1	0	22.59	22.80	22.54			
10	64QAM	1	25	22.48	22.53	22.42	23.5	2	
10	64QAM	1	49	22.56	22.61	22.46			
10	64QAM	25	0	21.40	21.47	21.38			
10	64QAM	25	12	21.42	21.45	21.32	22.5	3	
10	64QAM	25	25	21.40	21.42	21.39			
10	64QAM	50	0	21.51	21.57	21.45			
Channel				23765	23760	23825			
Frequency (MHz)				705.5	710	715.5			
5	QPSK	1	0	24.15	24.42	24.30			
5	QPSK	1	12	24.19	24.33	24.23	25.5	0	
5	QPSK	1	24	24.14	24.21	24.18			
5	QPSK	12	0	23.36	23.43	23.31			
5	QPSK	12	7	23.32	23.41	23.29	24.5	1	
5	QPSK	12	13	23.30	23.41	23.35			
5	QPSK	25	0	23.16	23.37	23.17			
5	16QAM	1	0	23.35	23.43	23.24			
5	16QAM	1	12	23.27	23.29	23.15	24.5	1	
5	16QAM	1	24	23.20	23.30	23.27			
5	16QAM	12	0	22.44	22.46	22.32			
5	16QAM	12	7	22.24	22.28	22.31	23.5	2	
5	16QAM	12	13	22.19	22.36	22.25			
5	16QAM	25	0	22.29	22.34	22.36			
5	64QAM	1	0	22.45	22.50	22.47			
5	64QAM	1	12	22.40	22.38	22.31	23.5	2	
5	64QAM	1	24	22.42	22.51	22.29			
5	64QAM	12	0	21.33	21.30	21.26			
5	64QAM	12	7	21.30	21.30	21.23	22.5	3	
5	64QAM	12	13	21.22	21.35	21.27			
5	64QAM	25	0	21.32	21.30	21.36			

Band 26 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26760	26865	26965			
Frequency (MHz)				815	831.5	847.5			
15	QPSK	1	0	24.50	24.66	24.55			
15	QPSK	1	37	24.48	24.52	24.48	25.5	0	
15	QPSK	1	74	24.52	24.63	24.58			
15	QPSK	36	0	23.49	23.62	23.58			
15	QPSK	36	20	23.47	23.59	23.52	24.5	1	
15	QPSK	36	39	23.44	23.50	23.37			
15	16QAM	75	0	22.50	22.51	22.45			
15	16QAM	1	0	23.64	23.65	23.64			
15	16QAM	1	37	23.49	23.63	23.52	24.5	1	
15	16QAM	1	74	23.51	23.54	23.49			
15	16QAM	36	0	22.61	22.63	22.52			
15	16QAM	36	20	22.50	22.58	22.46	23.5	2	
15	16QAM	36	39	22.56	22.59	22.45			
15	64QAM	75	0	22.80	22.72	22.59			
15	64QAM	1	37	22.49	22.66	22.51	23.5	2	
15	64QAM	1	74	22.52	22.58	22.59			
15	64QAM	36	0	21.57	21.67	21.54			
15	64QAM	36	20	21.47	21.54	21.40	22.5	3	
15	64QAM	36	39	21.56	21.56	21.50			
15	64QAM	75	0	21.43	21.49	21.46			
Channel				26710	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.45	24.54	24.47			
10	QPSK	1	25	24.42	24.41	24.38	25.5	0	
10	QPSK	1	49	24.49	24.49	24.52			
10	QPSK	25	0	23.42	23.57	23.52			
10	QPSK	25	12	23.33	23.55	23.46	24.5	1	
10	QPSK	25	25	23.31	23.39	23.30			
10	QPSK	50	0	23.43	23.45	23.31			
10	16QAM	1	0	23.50	23.60	23.56			
10	16QAM	1	25	23.45	23.49	23.42	24.5	1	
10	16QAM	1	49	23.39	23.50	23.40			
10	16QAM	25	0	22.57	22.55	22.47			
10	16QAM	25	12	22.41	22.46	22.37	23.5	2	
10	16QAM	25	25	22.50	22.54	22.38			
10	16QAM	50	0	22.40	22.48	22.40			
10	64QAM	1	0	22.51	22.66	22.53			
10	64QAM	1	25	22.35	22.56	22.44	23.5	2	
10	64QAM	1	49	22.48	22.46	22.53			
10	64QAM	25	0	21.50	21.59	21.41			
10	64QAM	25	12	21.40	21.49	21.29	22.5	3	
10	64QAM	25	25	21.44	21.52	21.40			
10	64QAM	50	0	21.35	21.32	21.32			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.40	24.61	24.43			
5	QPSK	1	12	24.45	24.41	24.35	25.5	0	
5	QPSK	1	24	24.40	24.50	24.52			
5	QPSK	12	0	23.44	23.55	23.48			
5	QPSK	12	7	23.41	23.52	23.49	24.5	1	
5	QPSK	12	13	23.42	23.46	23.39			
5	QPSK	25	0	23.43	23.43	23.42			
5	16QAM	1	0	23.54	23.53	23.49			
5	16QAM	1	12	23.35	23.52	23.40	24.5	1	
5	16QAM	1	24	23.42	23.50	23.42			
5	16QAM	12	0	22.51	22.57	22.37			
5	16QAM	12	7	22.44	22.54	22.41	23.5	2	
5	16QAM	12	13	22.52	22.46	22.32			
5	16QAM	25	0	22.37	22.39	22.31			
5	64QAM	1	0	22.52	22.67	22.49			
5	64QAM	1	12	22.39	22.58	22.41	23.5	2	
5	64QAM	1	24	22.37	22.46	22.50			
5	64QAM	12	0	21.49	21.60	21.50			
5	64QAM	12	7	21.35	21.50	21.29	22.5	3	
5	64QAM	12	13	21.45	21.45	21.44			
5	64QAM	25	0	21.29	21.40	21.43			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.46	24.59	24.41			
3	QPSK	1	8	24.39	24.39	24.44	25.5	0	
3	QPSK	1	14	24.38	24.57	24.48			
3	QPSK	8	0	23.42	23.51	23.43			
3	QPSK	8	4	23.44	23.45	23.48	24.5	1	
3	QPSK	8	7	23.41	23.45	23.33			
3	QPSK	15	0	23.43	23.55	23.33			
3	16QAM	1	0	23.57	23.54	23.50			
3	16QAM	1	8	23.42	23.51	23.45	24.5	1	
3	16QAM	1	14	23.41	23.43	23.35			
3	16QAM	8	0	22.57	22.50	22.42			
3	16QAM	8	4	22.43	22.46	22.35	23.5	2	
3	16QAM	8	7	22.46	22.45	22.31			
3	16QAM	15	0	22.40	22.47	22.40			
3	64QAM	1	0	22.46	22.63	22.52			
3	64QAM	1	8	22.45	22.56	22.43	23.5	2	
3	64QAM	1	14	22.37	22.51	22.51			
3	64QAM	8	0	21.48	21.58	21.39			
3	64QAM	8	4	21.36	21.41	21.35	22.5	3	
3	64QAM	8	7	21.42	21.50	21.38			
3	64QAM	15	0	21.34	21.44	21.42			
Channel				26697	26865	27033			



Band 38 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	17.04	17.11	17.06	18	0		
20	QPSK	1	49	16.72	16.93	16.72				
20	QPSK	1	99	16.81	16.88	16.85				
20	QPSK	50	0	16.79	16.97	16.73	18	0		
20	QPSK	50	24	16.76	16.96	16.86				
20	QPSK	50	50	16.59	16.83	16.74				
20	QPSK	100	0	16.84	16.88	16.87	18	0		
20	16QAM	1	0	16.74	16.81	16.73				
20	16QAM	1	49	16.72	16.85	16.80				
20	16QAM	1	99	16.69	16.92	16.69	18	0		
20	16QAM	50	0	16.68	16.92	16.86				
20	16QAM	50	24	16.65	16.87	16.79				
20	16QAM	50	50	16.83	16.92	16.91	18	0		
20	16QAM	100	0	16.64	16.79	16.70				
20	84QAM	1	0	16.61	16.84	16.74				
20	84QAM	1	49	16.81	16.88	16.79	18	0		
20	84QAM	1	99	16.67	16.89	16.73				
20	84QAM	50	0	16.81	16.89	16.86				
20	84QAM	50	24	16.73	16.96	16.92	18	0		
20	84QAM	50	50	16.72	16.85	16.81				
20	84QAM	100	0	16.74	16.97	16.79				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	16.78	17.02	16.93	18	0		
15	QPSK	1	37	16.75	16.88	16.94				
15	QPSK	1	74	16.77	16.99	16.95				
15	QPSK	36	0	16.87	17.04	16.85	18	0		
15	QPSK	36	20	16.76	17.02	16.95				
15	QPSK	36	39	16.78	16.94	16.97				
15	QPSK	75	0	16.78	16.94	16.88	18	0		
15	16QAM	1	0	16.76	16.98	16.81				
15	16QAM	1	37	16.90	16.95	16.94				
15	16QAM	1	74	16.74	16.95	16.93	18	0		
15	16QAM	36	0	16.89	16.95	16.88				
15	16QAM	36	20	16.90	17.00	16.91				
15	16QAM	36	39	16.74	16.97	16.81	18	0		
15	16QAM	75	0	16.90	16.93	16.85				
15	84QAM	1	0	16.86	16.90	16.81				
15	84QAM	1	37	16.77	17.05	16.82	18	0		
15	84QAM	1	74	16.84	17.01	16.89				
15	84QAM	36	0	16.82	16.92	16.88				
15	84QAM	36	20	16.91	16.91	16.88	18	0		
15	84QAM	36	39	16.78	16.89	16.95				
15	84QAM	75	0	16.86	17.03	16.85				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	16.88	16.88	16.83	18	0		
10	QPSK	1	25	16.82	16.92	16.89				
10	QPSK	1	49	16.80	16.92	16.98				
10	QPSK	25	0	16.79	17.02	16.93	18	0		
10	QPSK	25	12	16.76	16.94	16.87				
10	QPSK	25	25	16.76	17.01	16.83				
10	QPSK	50	0	16.78	17.02	16.84	18	0		
10	16QAM	1	0	16.89	17.02	16.80				
10	16QAM	1	25	16.82	16.99	16.94				
10	16QAM	1	49	16.76	17.03	16.88	18	0		
10	16QAM	25	0	16.88	16.92	16.85				
10	16QAM	25	12	16.75	16.89	16.82				
10	16QAM	25	25	16.76	16.98	16.83	18	0		
10	16QAM	50	0	16.76	16.94	16.82				
10	84QAM	1	0	16.75	16.97	16.95				
10	84QAM	1	25	16.90	17.01	16.87	18	0		
10	84QAM	1	49	16.90	17.01	16.83				
10	84QAM	25	0	16.75	16.97	16.91				
10	84QAM	25	12	16.75	16.98	16.91	18	0		
10	84QAM	25	25	16.84	17.01	16.92				
10	84QAM	50	0	16.79	17.02	16.95				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	16.82	17.02	16.95	18	0		
5	QPSK	1	12	16.78	16.92	16.84				
5	QPSK	1	24	16.84	16.97	16.92				
5	QPSK	12	0	16.75	17.00	16.92	18	0		
5	QPSK	12	7	16.77	16.95	16.87				
5	QPSK	12	13	16.83	17.02	16.88				
5	QPSK	25	0	16.78	16.98	16.92	18	0		
5	16QAM	1	0	16.87	16.94	16.95				
5	16QAM	1	12	16.81	16.98	16.84				
5	16QAM	1	24	16.84	16.99	16.88	18	0		
5	16QAM	12	0	16.77	16.92	16.95				
5	16QAM	12	7	16.91	16.88	16.86				
5	16QAM	12	13	16.77	17.04	16.94	18	0		
5	16QAM	25	0	16.85	16.89	16.90				
5	84QAM	1	0	16.89	16.95	16.80				
5	84QAM	1	12	16.88	17.00	16.89	18	0		
5	84QAM	1	24	16.92	16.98	16.89				
5	84QAM	12	0	16.85	17.02	16.98				
5	84QAM	12	7	16.90	16.89	16.91	18	0		
5	84QAM	12	13	16.76	17.04	16.93				
5	84QAM	25	0	16.90	16.99	16.89				

Band 41 Ant1 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	16.96	17.11	17.17	17.06	17.12	18	0
20	QPSK	1	49	16.92	16.88	17.01	16.92	17.05		
20	QPSK	1	99	16.87	16.94	17.02	16.89	17.04		
20	QPSK	50	0	16.84	16.89	17.12	16.86	17.05	18	0
20	QPSK	50	24	16.83	17.00	17.02	16.91	17.02		
20	QPSK	50	50	16.80	16.87	17.05	16.88	17.00		
20	QPSK	100	0	16.82	16.97	17.05	16.94	16.91	18	0
20	16QAM	1	0	16.92	16.91	17.02	17.03	16.97		
20	16QAM	1	49	16.87	16.97	17.10	16.84	16.91		
20	16QAM	1	99	16.84	16.98	17.08	16.89	17.03	18	0
20	16QAM	50	0	16.89	16.93	16.93	16.88	17.01		
20	16QAM	50	24	16.83	16.88	17.03	16.86	16.92		
20	16QAM	50	50	16.85	16.85	17.00	16.91	17.05	18	0
20	16QAM	100	0	16.79	16.92	17.09	16.85	16.96		
20	84QAM	1	0	16.84	16.94	16.94	16.90	17.10		
20	84QAM	1	49	16.80	16.92	17.08	16.94	16.92	18	0
20	84QAM	1	99	16.87	16.99	17.08	16.89	17.05		
20	84QAM	50	0	16.86	16.99	17.08	16.93	16.92		
20	84QAM	50	24	16.81	16.87	17.06	16.89	17.01	18	0
20	84QAM	50	50	16.91	17.06	17.08	17.01	17.03		
20	84QAM	100	0	16.80	16.94	17.08	16.84	17.05		
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	16.88	16.97	17.04	17.02	17.13	18	0
15	QPSK	1	37	16.84	16.75	16.96	16.82	16.94		
15	QPSK	1	74	16.81	16.84	16.95	16.85	16.97		
15	QPSK	36	0	16.71	16.76	17.01	16.79	17.00	18	0
15	QPSK	36	20	16.79	16.91	16.87	16.85	16.93		
15	QPSK	36	39	16.66	16.73	16.96	16.80	16.93		
15	QPSK	75	0	16.76	16.88	17.00	16.88	16.83	18	0
15	16QAM	1	0	16.77	16.86	16.97	16.99	16.91		
15	16QAM	1	37	16.83	16.86	16.98	16.78	16.76		
15	16QAM	1	74	16.75	16.92	16.97	16.81	16.89	18	0
15	16QAM	36	0	16.77	16.79	16.84	16.84	16.98		
15	16QAM	36	20	16.72	16.74	16.94	16.72	16.80		
15	16QAM	36	39	16.78	16.72	16.91	16.77	16.99	18	0
15	16QAM	75	0	16.67	16.87	16.94	16.72	16.83		
15	84QAM	1	0	16.72	16.85	16.79	16.86	16.98		
15	84QAM	1	37	16.68	16.80	16.96	16.80	16.89	18	0
15	84QAM	1	74	16.73	16.93	16.99	16.86	16.95		
15	84QAM	36	0	16.81	16.90	16.98	16.85	16.89		
15	84QAM	36	20	16.78	16.81	17.01	16.84	16.96	18	0
15	84QAM	36	39</							



## Reduced Power Mode for DSI 2

GSM850 Ant0 Default									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.53	32.77	32.65	33.50	23.53	23.77	23.65	24.50	
GPRS 1 Tx slot	32.47	32.60	32.57	33.50	23.47	23.60	23.57	24.50	
GPRS 2 Tx slots	28.74	28.81	28.66	30.00	22.74	22.81	22.66	24.00	
GPRS 3 Tx slots	27.07	27.26	26.89	28.50	22.81	23.00	22.63	24.24	
GPRS 4 Tx slots	25.88	25.91	25.75	27.50	22.88	22.91	22.75	24.50	
EDGE 1 Tx slot	27.45	27.28	27.00	27.50	18.15	18.38	18.00	18.50	
EDGE 2 Tx slots	24.39	24.35	24.20	25.00	18.39	18.35	18.20	19.00	
EDGE 3 Tx slots	22.13	22.24	22.16	23.50	17.87	17.98	17.90	19.24	
EDGE 4 Tx slots	21.38	21.48	21.28	22.50	18.38	18.48	18.28	19.50	

  

GSM1900 Ant0 Default									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.49	29.69	29.65	30.50	20.49	20.69	20.65	21.50	
GPRS 1 Tx slot	29.49	29.61	29.57	30.50	20.49	20.61	20.57	21.50	
GPRS 2 Tx slots	25.66	25.77	25.74	26.70	19.66	19.77	19.74	20.70	
GPRS 3 Tx slots	23.77	24.06	23.88	25.00	19.51	19.80	19.62	20.74	
GPRS 4 Tx slots	22.58	22.72	22.71	24.00	19.68	19.72	19.71	21.00	
EDGE 1 Tx slot	25.87	26.04	25.85	26.80	16.87	17.04	16.85	17.80	
EDGE 2 Tx slots	22.88	23.21	23.06	24.10	16.88	17.21	17.06	18.10	
EDGE 3 Tx slots	21.74	21.89	21.86	23.10	17.48	17.63	17.60	18.84	
EDGE 4 Tx slots	19.97	20.12	19.99	21.30	16.97	17.12	16.99	18.30	

  

Band	WCDMA II Ant0 Default				WCDMA IV Ant0 Default				WCDMA V Ant0 Default				
	WCDMA II	WCDMA II	WCDMA II	Tune-up Limit (dBm)	WCDMA IV	WCDMA IV	WCDMA IV	Tune-up Limit (dBm)	WCDMA V	WCDMA V	WCDMA V	Tune-up Limit (dBm)	
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.28	24.41	24.35	25.50	24.26	24.39	24.21	25.50	24.07	24.20	24.13	25.50
3GPP Rel 99	RMC 12.2Kbps	24.33	24.45	24.40	25.50	24.37	24.46	24.26	25.50	24.15	24.23	24.21	25.50
3GPP Rel 6	HSDPA Subtest-1	23.22	23.38	23.25	24.00	23.32	23.37	23.20	24.00	23.10	23.27	23.23	24.00
3GPP Rel 6	HSDPA Subtest-2	23.30	23.46	23.33	24.00	23.33	23.44	23.26	24.00	23.06	23.32	23.22	24.00
3GPP Rel 6	HSDPA Subtest-3	22.84	22.87	22.90	23.50	22.87	22.85	22.78	23.50	22.63	22.88	22.81	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.89	22.83	23.50	22.83	22.83	22.73	23.50	22.54	22.75	22.62	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.16	23.31	23.24	24.00	23.20	23.38	23.11	24.00	22.91	23.17	23.04	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.08	23.28	23.25	24.00	23.13	23.24	23.18	24.00	23.05	23.21	23.18	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.67	22.81	22.74	23.50	22.71	22.77	22.66	23.50	22.58	22.81	22.70	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.71	22.90	22.78	23.50	22.81	22.85	22.62	23.50	22.48	22.71	22.67	23.50
3GPP Rel 6	HSUPA Subtest-1	23.31	23.43	23.34	24.00	23.35	23.41	23.26	24.00	23.21	23.41	23.38	24.00
3GPP Rel 6	HSUPA Subtest-2	21.20	21.37	21.24	22.00	21.25	21.37	21.10	22.00	21.14	21.29	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	22.24	22.33	22.20	23.00	22.25	22.34	22.10	23.00	22.22	22.45	22.36	23.00
3GPP Rel 6	HSUPA Subtest-4	21.20	21.30	21.15	22.00	21.28	21.36	21.05	22.00	21.11	21.34	21.19	22.00
3GPP Rel 6	HSUPA Subtest-5	23.30	23.44	23.39	24.00	23.36	23.45	23.25	24.00	23.15	23.37	23.30	24.00



### Band 2 Ant0 Default

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	23.98	24.03	24.06	25	0	
20	QPSK	1	49	23.93	24.07	23.94			
20	QPSK	1	99	23.81	23.91	23.78			
20	QPSK	50	0	22.93	23.07	22.93	24	1	
20	QPSK	50	24	22.92	23.03	22.98			
20	QPSK	50	50	22.86	22.96	22.90			
20	QPSK	100	0	22.89	22.98	22.91	24	1	
20	16QAM	1	0	22.91	23.01	22.95			
20	16QAM	1	49	22.83	22.96	22.87			
20	16QAM	1	99	22.86	22.97	22.87	23	2	
20	16QAM	50	0	21.94	21.96	21.89			
20	16QAM	50	24	21.77	21.87	21.74			
20	16QAM	50	50	21.74	21.87	21.79	23	2	
20	16QAM	100	0	21.93	21.98	21.93			
20	16QAM	100	0	21.87	21.95	21.88			
20	64QAM	1	0	21.76	21.87	21.74	23	2	
20	64QAM	1	49	21.70	21.84	21.81			
20	64QAM	1	99	21.03	21.07	21.02			
20	64QAM	50	0	21.03	21.07	21.02	22	3	
20	64QAM	50	24	20.95	20.97	20.87			
20	64QAM	50	50	20.88	21.02	20.99			
20	64QAM	100	0	21.03	21.04	20.91	25	0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.93	24.02	24.01	25	0	
15	QPSK	1	37	23.82	24.01	23.85			
15	QPSK	1	74	23.73	23.77	23.70			
15	QPSK	36	0	22.88	22.93	22.79	24	1	
15	QPSK	36	20	22.79	22.90	22.87			
15	QPSK	36	39	22.80	22.90	22.86			
15	QPSK	75	0	22.82	22.94	22.80	24	1	
15	16QAM	1	0	22.81	22.97	22.88			
15	16QAM	1	37	22.71	22.76	22.80			
15	16QAM	1	74	22.88	22.93	22.84	23	2	
15	16QAM	36	0	21.80	21.87	21.76			
15	16QAM	36	20	21.79	21.77	21.72			
15	16QAM	36	39	21.71	21.77	21.72	23	2	
15	16QAM	75	0	21.86	21.86	21.79			
15	64QAM	1	0	21.76	21.83	21.76			
15	64QAM	1	37	21.64	21.79	21.65	23	2	
15	64QAM	1	74	21.61	21.73	21.78			
15	64QAM	36	0	20.95	20.99	20.89			
15	64QAM	36	20	20.90	20.94	20.74	22	3	
15	64QAM	36	39	20.79	20.88	20.82			
15	64QAM	75	0	20.97	21.00	20.83			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.92	23.99	24.03	25	0	
10	QPSK	1	25	23.89	24.04	23.81			
10	QPSK	1	49	23.66	23.77	23.68			
10	QPSK	25	0	22.89	23.02	22.84	24	1	
10	QPSK	25	12	22.74	23.00	22.93			
10	QPSK	25	25	22.89	22.84	22.78			
10	QPSK	50	0	22.96	22.91	22.85	24	1	
10	16QAM	1	0	22.83	22.97	22.87			
10	16QAM	1	25	22.76	22.86	22.78			
10	16QAM	1	49	22.85	22.88	22.72	23	2	
10	16QAM	25	0	21.79	21.92	21.82			
10	16QAM	25	12	21.63	21.81	21.59			
10	16QAM	25	25	21.63	21.83	21.66	23	2	
10	16QAM	50	0	21.83	21.87	21.88			
10	64QAM	1	0	21.75	21.81	21.83			
10	64QAM	1	25	21.66	21.79	21.70	23	2	
10	64QAM	1	49	21.62	21.77	21.75			
10	64QAM	25	0	20.95	20.97	20.90			
10	64QAM	25	12	20.90	20.89	20.80	22	3	
10	64QAM	25	25	20.81	20.99	20.84			
10	64QAM	50	0	20.93	20.94	20.74			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.90	24.06	23.94	25	0	
5	QPSK	1	12	23.90	23.98	23.84			
5	QPSK	1	25	23.77	23.77	23.65			
5	QPSK	12	0	22.82	22.96	22.84	24	1	
5	QPSK	12	7	22.85	22.88	22.92			
5	QPSK	12	13	22.72	22.88	22.78			
5	QPSK	25	0	22.78	22.85	22.85	24	1	
5	16QAM	1	0	22.82	22.94	22.84			
5	16QAM	1	12	22.72	22.78	22.84			
5	16QAM	1	24	22.92	22.96	22.81	23	2	
5	16QAM	12	0	21.86	21.92	21.77			
5	16QAM	12	7	21.73	21.78	21.62			
5	16QAM	12	13	21.61	21.76	21.68	23	2	
5	16QAM	25	0	21.89	21.83	21.84			
5	64QAM	1	0	21.83	21.82	21.76			
5	64QAM	1	12	21.68	21.84	21.59	23	2	
5	64QAM	1	24	21.65	21.76	21.70			
5	64QAM	12	0	20.91	21.00	20.97			
5	64QAM	12	7	20.92	20.93	20.85	22	3	
5	64QAM	12	13	20.75	20.95	20.84			
5	64QAM	25	0	20.98	20.91	20.88			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.92	24.01	23.98	25	0	
3	QPSK	1	8	23.87	24.04	23.82			
3	QPSK	1	14	23.73	23.81	23.67			
3	QPSK	8	0	22.74	22.93	22.85	24	1	
3	QPSK	8	4	22.76	22.89	22.89			
3	QPSK	8	8	22.83	22.83	22.86			
3	QPSK	15	0	22.76	22.85	22.78	24	1	
3	16QAM	1	0	22.88	22.87	22.86			
3	16QAM	1	8	22.69	22.81	22.84			
3	16QAM	1	14	22.84	22.91	22.77	23	2	
3	16QAM	8	0	21.82	21.82	21.76			
3	16QAM	8	4	21.72	21.80	21.60			
3	16QAM	8	7	21.68	21.76	21.75	23	2	
3	16QAM	15	0	21.79	21.92	21.78			
3	64QAM	1	0	21.83	21.87	21.76			
3	64QAM	1	8	21.66	21.79	21.68	23	2	
3	64QAM	1	14	21.57	21.70	21.73			
3	64QAM	8	0	20.99	21.03	20.90			
3	64QAM	8	4	20.85	20.87	20.82	22	3	
3	64QAM	8	7	20.84	20.87	20.84			
3	64QAM	15	0	20.96	20.92	20.90			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.87	24.09	23.93	25	0	
1.4	QPSK	1	3	23.81	23.97	23.84			
1.4	QPSK	1	5	23.74	23.84	23.65			
1.4	QPSK	3	0	23.83	24.00	23.83	24	1	
1.4	QPSK	3	1	23.78	23.98	23.87			
1.4	QPSK	3	3	23.73	23.85	23.82			
1.4	QPSK	6	0	22.76	22.89	22.82	24	1	
1.4	16QAM	1	0	22.78	22.96	22.95			
1.4	16QAM	1	3	22.77	22.76	22.75			
1.4	16QAM	1	5	22.81	22.82	22.78	24	1	
1.4	16QAM	3	0	22.88	22.84	22.78			
1.4	16QAM	3	1	22.71	22.74	22.62			
1.4	16QAM	3	3	22.66	22.80	22.69	23	2	
1.4	16QAM	6	0	21.84	21.89	21.86			
1.4	64QAM	1	0	21.83	21.80	21.84			
1.4	64QAM	1	3	21.62	21.82	21.82	23	2	
1.4	64QAM	1	5	21.59	21.75	21.59			
1.4	64QAM	3	0	21.89	22.03	21.88			
1.4	64QAM	3	1	21.83	21.83	21.83	23	2	
1.4	64QAM	3	3	21.81	21.97	21.92			
1.4	64QAM	6	0	20.89	20.93	20.85			

### Band 4 Ant0 Default

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	23.91	24.03	23.91	25	0
20	QPSK	1	49	23.85	23.90	23.75		
20	QPSK	1	99	23.79	23.84	23.78		
20	QPSK	50	0	22.85	22.98	22.93	24	1
20	QPSK	50	24	22.90	22.96	22.93		
20	QPSK	50	50	22.79	22.93	22.81		
20	QPSK	100	0	22.91	23.00	22.93	24	1
20	16QAM	1	0	23.02	23.04	22.92		
20	16QAM	1	49	22.91	22.82	22.84		
20	16QAM	1	99	22.86	22.89	22.78	23	2
20	16QAM	50	0	21.79	21.87	21.75		
20	16QAM	50	24	21.70	21.73	21.66		
20	16QAM	50	50	21.69	21.83	21.68	23	2
20	16QAM	100	0	21.95	22.02	21.96		
20	64QAM	1	0	21.93	21.96	21.85		
20	64QAM	1	49	21.82	21.90	21.81	23	2
20	64QAM	1	99	21.71	21.82	21.72		
20	64QAM	50	0	20.81	20.90	20.84		
20	64QAM	50	24	20.87	20.89	20.87	22	3
20	64QAM	50	50	2				



### Band 7 Ant0 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							20850	21100	21350
Frequency (MHz)							20850	21100	21350
20	QPSK	1	0	22.83	22.89	22.77	24	0	
20	QPSK	1	49	22.70	22.76	22.66			
20	QPSK	1	99	22.59	22.72	22.67			
20	QPSK	50	0	22.76	22.85	22.57	24	0	
20	QPSK	50	24	22.68	22.79	22.63			
20	QPSK	50	50	22.82	22.76	22.61			
20	QPSK	100	0	22.70	22.74	22.58	24	0	
20	16QAM	1	0	22.80	22.78	22.66			
20	16QAM	1	49	22.73	22.83	22.77			
20	16QAM	1	99	22.68	22.85	22.58	23	1	
20	16QAM	50	0	21.93	21.86	21.81			
20	16QAM	50	24	21.82	21.74	21.69			
20	16QAM	50	50	21.88	21.86	21.82	23	1	
20	16QAM	100	0	21.79	21.79	21.70			
20	64QAM	1	0	21.76	21.71	21.69			
20	64QAM	1	49	21.71	21.64	21.56	23	1	
20	64QAM	1	99	21.65	21.63	21.58			
20	64QAM	50	0	20.80	20.77	20.70			
20	64QAM	50	24	20.80	20.70	20.61	22	2	
20	64QAM	50	50	20.70	20.66	20.68			
20	64QAM	100	0	20.85	20.67	20.66			
Channel							20825	21100	21375
Frequency (MHz)							20825	21100	21375
15	QPSK	1	0	22.74	22.78	22.66	24	0	
15	QPSK	1	37	22.61	22.61	22.60			
15	QPSK	1	74	22.47	22.61	22.57			
15	QPSK	36	0	22.69	22.75	22.43	24	0	
15	QPSK	36	20	22.57	22.70	22.58			
15	QPSK	36	39	22.76	22.82	22.55			
15	QPSK	75	0	22.59	22.68	22.48	24	0	
15	16QAM	1	0	22.73	22.73	22.52			
15	16QAM	1	37	22.60	22.55	22.57			
15	16QAM	1	74	22.62	22.53	22.55	23	1	
15	16QAM	36	0	21.88	21.73	21.74			
15	16QAM	36	20	21.71	21.66	21.59			
15	16QAM	36	39	21.84	21.73	21.77	23	1	
15	16QAM	75	0	21.68	21.64	21.55			
15	64QAM	1	0	21.67	21.65	21.64			
15	64QAM	1	37	21.62	21.54	21.48	23	1	
15	64QAM	1	74	21.56	21.53	21.52			
15	64QAM	36	0	20.70	20.73	20.64			
15	64QAM	36	20	20.70	20.64	20.53	22	2	
15	64QAM	36	39	20.58	20.52	20.54			
15	64QAM	75	0	20.79	20.58	20.54			
Channel							20800	21100	21400
Frequency (MHz)							20800	21100	21400
10	QPSK	1	0	22.79	22.76	22.69	24	0	
10	QPSK	1	25	22.64	22.67	22.52			
10	QPSK	1	49	22.51	22.65	22.61			
10	QPSK	25	0	22.66	22.74	22.42	24	0	
10	QPSK	25	12	22.60	22.66	22.50			
10	QPSK	25	25	22.73	22.70	22.55			
10	QPSK	50	0	22.80	22.83	22.45	24	0	
10	16QAM	1	0	22.70	22.71	22.59			
10	16QAM	1	25	22.84	22.59	22.48			
10	16QAM	1	49	22.61	22.60	22.49	23	1	
10	16QAM	25	0	21.79	21.72	21.68			
10	16QAM	25	12	21.72	21.65	21.57			
10	16QAM	25	25	21.79	21.80	21.73	23	1	
10	16QAM	50	0	21.68	21.70	21.59			
10	64QAM	1	0	21.73	21.68	21.64			
10	64QAM	1	25	21.64	21.54	21.51	23	1	
10	64QAM	1	49	21.56	21.57	21.46			
10	64QAM	25	0	20.75	20.71	20.58			
10	64QAM	25	12	20.74	20.58	20.47	22	2	
10	64QAM	25	25	20.67	20.52	20.56			
10	64QAM	50	0	20.70	20.63	20.62			
Channel							20775	21100	21425
Frequency (MHz)							20775	21100	21425
5	QPSK	1	0	22.72	22.84	22.68	24	0	
5	QPSK	1	12	22.84	22.82	22.59			
5	QPSK	1	24	22.47	22.67	22.54			
5	QPSK	12	0	22.66	22.72	22.42	24	0	
5	QPSK	12	7	22.54	22.70	22.54			
5	QPSK	12	13	22.78	22.63	22.53			
5	QPSK	25	0	22.61	22.69	22.45	24	0	
5	16QAM	1	0	22.76	22.74	22.53			
5	16QAM	1	12	22.70	22.51	22.52			
5	16QAM	1	24	22.80	22.58	22.48	23	1	
5	16QAM	12	0	21.81	21.77	21.75			
5	16QAM	12	7	21.70	21.67	21.62			
5	16QAM	12	13	21.84	21.83	21.72	23	1	
5	16QAM	25	0	21.75	21.66	21.64			
5	64QAM	1	0	21.73	21.62	21.56			
5	64QAM	1	12	21.60	21.53	21.48	23	1	
5	64QAM	1	24	21.58	21.60	21.46			
5	64QAM	12	0	20.67	20.67	20.58			
5	64QAM	12	7	20.66	20.60	20.56	22	2	
5	64QAM	12	13	20.62	20.58	20.62			
5	64QAM	25	0	20.76	20.55	20.56			

### 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							23060	23095	23130
Frequency (MHz)							23060	23095	23130
10	QPSK	1	0	24.31	24.47	24.25	25.5	0	
10	QPSK	1	25	24.19	24.29	24.21			
10	QPSK	1	49	24.33	24.37	24.25			
10	QPSK	25	0	23.26	23.35	23.28	24.5	1	
10	QPSK	25	12	23.20	23.21	23.12			
10	QPSK	25	25	23.04	23.14	23.08			
10	QPSK	50	0	23.18	23.26	23.18	24.5	1	
10	16QAM	1	0	23.42	23.45	23.41			
10	16QAM	1	25	23.27	23.35	23.23			
10	16QAM	1	49	23.34	23.37	23.25	23.5	2	
10	16QAM	25	0	22.43	22.56	22.46			
10	16QAM	25	12	22.39	22.47	22.33			
10	16QAM	25	25	22.48	22.54	22.46	23.5	2	
10	16QAM	50	0	22.54	22.61	22.58			
10	64QAM	1	0	22.61	22.64	22.63			
10	64QAM	1	25	22.47	22.59	22.50	23.5	2	
10	64QAM	1	49	22.52	22.53	22.39			
10	64QAM	25	0	21.55	21.56	21.50			
10	64QAM	25	12	21.39	21.50	21.43	22.5	3	
10	64QAM	25	25	21.42	21.48	21.46			
10	64QAM	50	0	21.46	21.48	21.37			
Channel							23035	23095	23155
Frequency (MHz)							23035	23095	23155
5	QPSK	1	0	24.19	24.40	24.14	25.5	0	
5	QPSK	1	12	24.07	24.15	24.14			
5	QPSK	1	24	24.24	24.28	24.13			
5	QPSK	12	0	23.19	23.24	23.21	24.5	1	
5	QPSK	12	7	23.15	23.16	23.01			
5	QPSK	12	13	23.95	23.07	22.99			
5	QPSK	25	0	23.10	23.19	23.09	24.5	1	
5	16QAM	1	0	23.30	23.35	23.34			
5	16QAM	1	12	23.17	23.24	23.18			
5	16QAM	1	24	23.27	23.23	23.16	23.5	2	
5	16QAM	12	0	22.29	22.45	22.38			
5	16QAM	12	7	22.34	22.32	22.25			
5	16QAM	12	13	22.39	22.41	22.34	23.5	2	
5	16QAM	25	0	22.51	22.57	22.49			
5	64QAM	1	0	22.52	22.59	22.51			
5	64QAM	1	12	22.33	22.48	22.44	23.5	2	
5	64QAM	1	24	22.47	22.48	22.35			
5	64QAM	12	0	21.46	21.51	21.39			
5	64QAM	12	7	21.30	21.45	21.35	22.5	3	
5	64QAM	12	13	21.35	21.38	21.42			
5	64QAM	25	0	21.34	21.35	21.23			
Channel							23025	23095	23165
Frequency (MHz)							23025	23095	23165
3	QPSK	1	0	24.23	24.32	24.12	25.5	0	
3	QPSK	1	8	24.05	24.19	24.09			
3	QPSK	1	14	24.27	24.34	24.20			
3	QPSK	8	0	23.23	23.28	23.19	24.5	1	
3	QPSK	8	4	23.06	23.06	23.06			
3	QPSK	8	7	22.94	23.02	23.03			
3	QPSK	15	0	23.14	23.19	23.07	24.5	1	
3	16QAM	1	0	23.27	23.37	23.35			
3	16QAM	1	8	23.13	23.29	23.09			
3	16QAM	1	14	23.20	23.29	23.10	23.5	2	
3	16QAM	8	0	22.39	22.45	22.33			
3	16QAM	8	4	22.27	22.36	22.19			
3	16QAM	8	7	22.40	22.44	22.39	23.5	2	
3	16QAM	15	0	22.40	22.53	22.49			
3	64QAM	1	0	22.56	22.54	22.59			
3	64QAM								





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)				707	710	711				
10	QPSK	1	0	24.23	24.39	24.27				
10	QPSK	1	25	24.21	24.32	24.27	25.5	0		
10	QPSK	1	49	24.16	24.20	24.15				
10	QPSK	25	0	23.35	23.42	23.28				
10	QPSK	25	12	23.27	23.36	23.29	24.5	1		
10	QPSK	25	25	23.35	23.40	23.30				
10	QPSK	50	0	23.22	23.35	23.23				
10	16QAM	1	0	23.31	23.38	23.27				
10	16QAM	1	25	23.28	23.29	23.14	24.5	1		
10	16QAM	1	49	23.20	23.32	23.31				
10	16QAM	25	0	22.49	22.52	22.41				
10	16QAM	25	12	22.39	22.42	22.39	23.5	2		
10	16QAM	25	25	22.29	22.43	22.35				
10	16QAM	50	0	22.42	22.48	22.44				
10	64QAM	1	0	22.56	22.61	22.54				
10	64QAM	1	25	22.47	22.52	22.45	23.5	2		
10	64QAM	1	49	22.53	22.57	22.44				
10	64QAM	25	0	21.38	21.45	21.34				
10	64QAM	25	12	21.39	21.41	21.28	22.5	3		
10	64QAM	25	25	21.37	21.39	21.38				
10	64QAM	50	0	21.48	21.55	21.44				
Channel				23755	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	24.16	24.35	24.15				
5	QPSK	1	12	24.18	24.25	24.19	25.5	0		
5	QPSK	1	24	24.07	24.15	24.09				
5	QPSK	12	0	23.21	23.37	23.24				
5	QPSK	12	7	23.18	23.30	23.23	24.5	1		
5	QPSK	12	13	23.30	23.31	23.19				
5	QPSK	25	0	23.11	23.31	23.14				
5	16QAM	1	0	23.22	23.29	23.14				
5	16QAM	1	12	23.22	23.24	23.11	24.5	1		
5	16QAM	1	24	23.17	23.19	23.22				
5	16QAM	12	0	22.37	22.47	22.34				
5	16QAM	12	7	22.35	22.28	22.30	23.5	2		
5	16QAM	12	13	22.25	22.37	22.20				
5	16QAM	25	0	22.39	22.34	22.35				
5	64QAM	1	0	22.47	22.49	22.50				
5	64QAM	1	12	22.35	22.42	22.34	23.5	2		
5	64QAM	1	24	22.42	22.49	22.31				
5	64QAM	12	0	21.24	21.35	21.26				
5	64QAM	12	7	21.28	21.31	21.16	22.5	3		
5	64QAM	12	13	21.32	21.25	21.30				
5	64QAM	25	0	21.40	21.42	21.31				

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	24.49	24.58	24.52				
15	QPSK	1	37	24.45	24.51	24.47	25.5	0		
15	QPSK	1	74	24.50	24.57	24.55				
15	QPSK	36	0	23.46	23.59	23.56				
15	QPSK	36	20	23.47	23.57	23.51	24.5	1		
15	QPSK	36	39	23.41	23.45	23.33				
15	QPSK	75	0	23.44	23.47	23.40				
15	16QAM	1	0	23.60	23.65	23.60				
15	16QAM	1	37	23.44	23.56	23.48	24.5	1		
15	16QAM	1	74	23.45	23.54	23.44				
15	16QAM	36	0	22.58	22.63	22.50				
15	16QAM	36	20	22.47	22.52	22.43	23.5	2		
15	16QAM	36	39	22.50	22.55	22.45				
15	16QAM	75	0	22.48	22.51	22.44				
15	64QAM	1	0	22.57	22.68	22.56				
15	64QAM	1	37	22.47	22.60	22.51	23.5	2		
15	64QAM	1	74	22.51	22.58	22.56				
15	64QAM	36	0	21.52	21.61	21.49				
15	64QAM	36	20	21.41	21.49	21.40	22.5	3		
15	64QAM	36	39	21.53	21.54	21.44				
15	64QAM	75	0	21.40	21.47	21.43				
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	24.40	24.59	24.44				
10	QPSK	1	25	24.38	24.40	24.39	25.5	0		
10	QPSK	1	49	24.45	24.46	24.40				
10	QPSK	25	0	23.43	23.54	23.47				
10	QPSK	25	12	23.39	23.48	23.36	24.5	1		
10	QPSK	25	25	23.37	23.34	23.29				
10	QPSK	50	0	23.38	23.40	23.33				
10	16QAM	1	0	23.55	23.59	23.48				
10	16QAM	1	25	23.33	23.53	23.40	24.5	1		
10	16QAM	1	49	23.34	23.40	23.38				
10	16QAM	25	0	22.48	22.51	22.47				
10	16QAM	25	12	22.46	22.46	22.31	23.5	2		
10	16QAM	25	25	22.43	22.44	22.31				
10	16QAM	50	0	22.41	22.43	22.39				
10	64QAM	1	0	22.53	22.61	22.46				
10	64QAM	1	25	22.37	22.51	22.36	23.5	2		
10	64QAM	1	49	22.43	22.46	22.49				
10	64QAM	25	0	21.45	21.47	21.39				
10	64QAM	25	12	21.32	21.42	21.35	22.5	3		
10	64QAM	25	25	21.46	21.44	21.31				
10	64QAM	50	0	21.37	21.38	21.34				
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	24.37	24.61	24.45				
5	QPSK	1	12	24.31	24.46	24.32	25.5	0		
5	QPSK	1	24	24.39	24.49	24.44				
5	QPSK	12	0	23.34	23.51	23.50				
5	QPSK	12	7	23.41	23.43	23.36	24.5	1		
5	QPSK	12	13	23.26	23.40	23.26				
5	QPSK	25	0	23.33	23.32	23.25				
5	16QAM	1	0	23.51	23.57	23.54				
5	16QAM	1	12	23.41	23.43	23.36	24.5	1		
5	16QAM	1	24	23.34	23.41	23.29				
5	16QAM	12	0	22.52	22.56	22.43				
5	16QAM	12	7	22.35	22.47	22.30	23.5	2		
5	16QAM	12	13	22.37	22.45	22.38				
5	16QAM	25	0	22.43	22.36	22.36				
5	64QAM	1	0	22.52	22.60	22.52				
5	64QAM	1	12	22.41	22.46	22.45	23.5	2		
5	64QAM	1	24	22.41	22.50	22.46				
5	64QAM	12	0	21.42	21.57	21.43				
5	64QAM	12	7	21.37	21.45	21.25	22.5	3		
5	64QAM	12	13	21.40	21.44	21.37				
5	64QAM	25	0	21.29	21.39	21.31				
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	24.40	24.60	24.40				
3	QPSK	1	8	24.33	24.47	24.41	25.5	0		
3	QPSK	1	14	24.37	24.53	24.50				
3	QPSK	8	0	23.36	23.45	23.41				
3	QPSK	8	4	23.41	23.43	23.44	24.5	1		
3	QPSK	8	7	23.28	23.42	23.19				
3	QPSK	15	0	23.41	23.41	23.35				
3	16QAM	1	0	23.56	23.60	23.48				
3	16QAM	1	8	23.31	23.55	23.34	24.5	1		
3	16QAM	1	14	23.42	23.51	23.39				
3	16QAM	8	0	22.44	22.58	22.43				
3	16QAM	8	4	22.35	22.37	22.39	23.5	2		
3	16QAM	8	7	22.44	22.46	22.41				
3	16QAM	15	0	22.37	22.41	22.33				
3	64QAM	1	0	22.42	22.55	22.46				
3	64QAM	1	8	22.33	22.52	22.43	23.5	2		
3	64QAM	1	14	22.47	22.52	22.50				
3	64QAM	8	0	21.43	21.47	21.38				
3	64QAM	8	4	21.38	21.43	21.31	22.5	3		
3	64QAM	8	7	21.39	21.43	21.30				
3	64QAM	15	0	21.27	21.35	21.34				
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	24.45	24.56	24.40				
1.4	QPSK	1	3	24.35	24.46	24.39	25.5	0		
1.4	QPSK	1	5	24.44	24.50	24.50				
1.4	QPSK	3	0	24.38	24.53	24.51				
1.4	QPSK	3	1	24.35	24.45	24.43	24.5	1		
1.4	QPSK	3	1	24.35	24.39	24.27				
1.4	QPSK	6	0	23.38	23.40	23.29				
1.4	16QAM	1	0	23.46	23.58	23.55				
1.4	16QAM	1	3	23.29	23.47	23.38	24.5	1		
1.4	16QAM	1	5	23.39	23.51	23.33				
1.4										





Band 38 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.15	24.23	24.07	25.5	0		
20	QPSK	1	49	24.07	24.12	23.98				
20	QPSK	1	99	23.94	24.08	23.98				
20	QPSK	50	0	23.15	23.26	23.17	24.5	1		
20	QPSK	50	24	23.11	23.20	23.13				
20	QPSK	50	50	23.11	23.24	23.15				
20	QPSK	100	0	23.17	23.21	23.07	24.5	1		
20	16QAM	1	0	23.03	23.18	23.12				
20	16QAM	1	49	22.99	23.08	23.03				
20	16QAM	1	99	22.95	23.06	22.98	23.5	2		
20	16QAM	50	0	22.29	22.42	22.31				
20	16QAM	50	24	22.22	22.35	22.31				
20	16QAM	50	50	22.34	22.38	22.25	23.5	2		
20	16QAM	100	0	22.32	22.37	22.32				
20	84QAM	1	0	22.13	22.24	22.20				
20	84QAM	1	49	22.07	22.16	22.06	23.5	2		
20	84QAM	1	99	22.16	22.20	22.14				
20	84QAM	50	0	21.32	21.40	21.29				
20	84QAM	50	24	21.19	21.28	21.15	22.5	3		
20	84QAM	50	50	21.23	21.32	21.20				
20	84QAM	100	0	21.27	21.32	21.25				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.10	24.14	24.03	25.5	0		
15	QPSK	1	37	24.00	24.08	23.90				
15	QPSK	1	74	23.91	23.93	23.89				
15	QPSK	36	0	23.00	23.21	23.04	24.5	1		
15	QPSK	36	20	23.04	23.17	23.10				
15	QPSK	36	39	23.07	23.12	23.09				
15	QPSK	75	0	23.04	23.08	23.00	24.5	1		
15	16QAM	1	0	22.94	23.05	23.07				
15	16QAM	1	37	22.91	22.95	22.92				
15	16QAM	1	74	22.86	23.03	22.88	23.5	2		
15	16QAM	36	0	22.19	22.36	22.24				
15	16QAM	36	20	22.10	22.21	22.22				
15	16QAM	36	39	22.29	22.24	22.10	23.5	2		
15	16QAM	75	0	22.27	22.29	22.21				
15	84QAM	1	0	22.05	22.10	22.11				
15	84QAM	1	37	21.95	22.02	21.94	23.5	2		
15	84QAM	1	74	22.04	22.08	22.09				
15	84QAM	36	0	21.22	21.32	21.14				
15	84QAM	36	20	21.08	21.22	21.12	22.5	3		
15	84QAM	36	39	21.10	21.19	21.07				
15	84QAM	75	0	21.16	21.21	21.21				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.08	24.15	24.02	25.5	0		
10	QPSK	1	25	23.98	24.02	23.95				
10	QPSK	1	49	23.90	23.93	23.89				
10	QPSK	25	0	23.01	23.22	23.05	24.5	1		
10	QPSK	25	12	23.07	23.14	23.05				
10	QPSK	25	25	22.99	23.18	23.05				
10	QPSK	50	0	23.12	23.13	23.01	24.5	1		
10	16QAM	1	0	22.92	23.08	23.05				
10	16QAM	1	25	22.91	22.94	22.92				
10	16QAM	1	49	22.81	22.98	22.88	23.5	2		
10	16QAM	25	0	22.25	22.29	22.22				
10	16QAM	25	12	22.12	22.28	22.21				
10	16QAM	25	25	22.29	22.32	22.11	23.5	2		
10	16QAM	50	0	22.19	22.27	22.21				
10	84QAM	1	0	22.04	22.16	22.05				
10	84QAM	1	25	21.94	22.04	21.92	23.5	2		
10	84QAM	1	49	22.03	22.15	22.10				
10	84QAM	25	0	21.23	21.27	21.20				
10	84QAM	25	12	21.13	21.20	21.09	22.5	3		
10	84QAM	25	25	21.12	21.19	21.09				
10	84QAM	50	0	21.17	21.27	21.11				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.10	24.14	23.96	25.5	0		
5	QPSK	1	12	23.93	24.02	23.90				
5	QPSK	1	24	23.90	23.95	23.83				
5	QPSK	12	0	23.02	23.15	23.05	24.5	1		
5	QPSK	12	7	23.08	23.13	23.07				
5	QPSK	12	13	23.05	23.21	23.11				
5	QPSK	25	0	23.05	23.12	22.97	24.5	1		
5	16QAM	1	0	22.99	23.06	23.06				
5	16QAM	1	12	22.96	23.01	22.98				
5	16QAM	1	24	22.85	22.99	22.90	23.5	2		
5	16QAM	12	0	22.18	22.32	22.24				
5	16QAM	12	7	22.10	22.29	22.24				
5	16QAM	12	13	22.29	22.26	22.16	23.5	2		
5	16QAM	25	0	22.21	22.28	22.19				
5	84QAM	1	0	22.03	22.21	22.12				
5	84QAM	1	12	21.97	22.11	21.95	23.5	2		
5	84QAM	1	24	22.02	22.05	22.06				
5	84QAM	12	0	21.20	21.33	21.26				
5	84QAM	12	7	21.11	21.21	21.06	22.5	3		
5	84QAM	12	13	21.19	21.21	21.08				
5	84QAM	25	0	21.19	21.23	21.17				

Band 41 Ant0 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	24.06	24.22	24.29	24.26	24.20	25.5	0		
20	QPSK	1	49	23.93	23.99	24.05	23.97	24.00				
20	QPSK	1	99	23.92	23.95	23.99	23.94	23.98				
20	QPSK	50	0	23.29	23.22	23.34	23.24	23.24	24.5	1		
20	QPSK	50	24	23.14	23.14	23.22	23.13	23.10				
20	QPSK	50	50	23.02	23.06	23.14	23.00	23.05				
20	QPSK	100	0	23.31	23.29	23.38	23.30	23.28	24.5	1		
20	16QAM	1	0	23.26	23.24	23.31	23.17	23.22				
20	16QAM	1	49	23.13	23.20	23.25	23.20	23.11				
20	16QAM	1	99	23.14	23.17	23.24	23.14	23.16	23.5	2		
20	16QAM	50	0	22.36	22.33	22.46	22.38	22.31				
20	16QAM	50	24	22.29	22.25	22.38	22.35	22.23				
20	16QAM	50	50	22.21	22.25	22.37	22.26	22.28	23.5	2		
20	16QAM	100	0	22.32	22.37	22.44	22.39	22.29				
20	84QAM	1	0	22.13	22.16	22.23	22.10	22.10				
20	84QAM	1	49	22.08	22.13	22.18	22.14	22.01	23.5	2		
20	84QAM	1	99	22.02	22.06	22.16	22.12	22.11				
20	84QAM	50	0	21.34	21.33	21.41	21.35	21.32				
20	84QAM	50	24	21.29	21.27	21.37	21.33	21.21	22.5	3		
20	84QAM	50	50	21.22	21.22	21.32	21.23	21.29				
20	84QAM	100	0	21.44	21.34	21.47	21.33	21.37				
Channel				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	23.92	24.12	24.18	24.21	24.06	26	0		
15	QPSK	1	37	23.84	23.87	23.93	23.86	23.85				
15	QPSK	1	74	23.87	23.91	23.87	23.84	23.90				
15	QPSK	36	0	23.23	23.21	23.20	23.18	23.15	24.5	1		
15	QPSK	36	20	23.09	23.10	23.09	23.00	23.00				
15	QPSK	36	39	22.94	23.00	23.07	22.91	23.01				
15	QPSK	75	0	23.17	23.20	23.24	23.22	23.15	24.5	1		
15	16QAM	1	0	23.19	23.14	23.26	23.08	23.16				
15	16QAM	1	37	23.07	23.14	23.20	23.06	23.01				
15	16QAM	1	74	23.04	23.09	23.12	23.10	23.12	23.5	2		
15	16QAM	36	0	22.26	22.28	22.41	22.29	22.28				
15	16QAM	36	20	22.23	22.12	22.34	22.30	22.18				
15	16QAM	36	39	22.13	22.15	22.33</						



GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.35	32.41	32.26	33.50	23.35	23.41	23.26	24.50
GPRS 1 Tx slot	32.31	32.37	32.13	33.50	23.31	23.37	23.13	24.50
GPRS 2 Tx slots	28.98	29.21	28.86	30.00	22.98	23.21	22.86	24.00
GPRS 3 Tx slots	27.10	27.17	27.01	28.50	22.84	22.91	22.75	24.24
GPRS 4 Tx slots	25.78	25.96	25.88	27.50	22.78	22.96	22.88	24.50
EDGE 1 Tx slot	26.82	26.97	26.93	27.50	17.82	17.97	17.93	18.50
EDGE 2 Tx slots	24.20	24.32	24.24	25.00	18.20	18.32	18.24	19.00
EDGE 3 Tx slots	22.51	22.58	22.54	23.50	18.25	18.32	18.28	19.24
EDGE 4 Tx slots	21.24	21.32	21.16	22.50	18.24	18.32	18.16	19.50

GSM1900 Ant1 Default

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)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.85	30.01	29.90	30.50	20.85	21.01	20.90	21.50
GPRS 1 Tx slot	29.76	29.98	29.86	30.50	20.76	20.98	20.86	21.50
GPRS 2 Tx slots	26.34	26.38	26.22	26.70	20.34	20.38	20.22	20.70
GPRS 3 Tx slots	24.21	24.29	24.15	25.00	19.95	20.03	19.89	20.74
GPRS 4 Tx slots	23.14	23.19	23.02	24.00	20.14	20.19	20.02	21.00
EDGE 1 Tx slot	26.10	26.24	26.16	26.80	17.10	17.24	17.16	17.80
EDGE 2 Tx slots	23.37	23.45	23.23	24.10	17.37	17.45	17.23	18.10
EDGE 3 Tx slots	21.76	21.97	21.84	23.10	17.50	17.71	17.58	18.84
EDGE 4 Tx slots	20.51	20.56	20.43	21.30	17.51	17.56	17.43	18.30

WCDMA II Ant1 DS1Z

WCDMA IV Ant1 Default

WCDMA V Ant1 Default

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.34	23.40	23.28	24.50	24.60	24.72	24.51	25.50	23.93	24.09	24.06	25.50
3GPP Rel 99	RMC 12.2Kbps	23.41	23.46	23.39	24.50	24.67	24.75	24.58	25.50	24.12	24.23	24.18	25.50
3GPP Rel 6	HSDPA Subtest-1	22.42	22.43	22.30	24.00	23.63	23.73	23.51	24.00	23.10	23.22	23.15	24.00
3GPP Rel 6	HSDPA Subtest-2	22.31	22.33	22.12	24.00	23.46	23.62	23.40	24.00	22.94	23.03	22.94	24.00
3GPP Rel 6	HSDPA Subtest-3	21.78	21.97	21.77	23.50	23.09	23.20	22.97	23.50	22.50	22.72	22.59	23.50
3GPP Rel 6	HSDPA Subtest-4	21.87	21.82	21.74	23.50	23.08	23.09	22.90	23.50	22.49	22.59	22.49	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.33	22.41	22.30	24.00	23.64	23.69	23.46	24.00	23.02	23.22	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.39	22.30	22.12	24.00	23.63	23.53	23.38	24.00	23.13	23.06	22.94	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.80	21.96	21.82	23.50	22.96	23.23	23.04	23.50	22.44	22.71	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.64	21.92	21.77	23.50	22.95	23.07	23.12	23.50	22.32	22.68	22.66	23.50
3GPP Rel 6	HSUPA Subtest-1	22.28	22.44	22.30	24.00	23.59	23.65	23.58	24.00	23.04	23.20	23.04	24.00
3GPP Rel 6	HSUPA Subtest-2	20.33	20.44	20.21	22.00	21.52	21.71	21.41	22.00	21.01	21.22	20.94	22.00
3GPP Rel 6	HSUPA Subtest-3	21.15	21.37	21.06	23.00	22.49	22.67	22.36	23.00	21.92	22.18	21.83	23.00
3GPP Rel 6	HSUPA Subtest-4	20.30	20.35	20.26	22.00	21.61	21.65	21.49	22.00	21.00	21.15	21.00	22.00
3GPP Rel 6	HSUPA Subtest-5	22.29	22.52	22.38	24.00	23.58	23.71	23.58	24.00	23.03	23.23	22.99	24.00



### Band 2 Ant1 DSI2

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel				18700	18900	19100		
Frequency (MHz)				18700	18900	19100		
20	QPSK	1	0	23.23	23.33	23.43	24	0
20	QPSK	1	49	23.11	23.22	23.06		
20	QPSK	1	99	23.20	23.26	23.12		
20	QPSK	50	0	23.13	23.19	23.09		
20	QPSK	50	24	23.04	23.09	23.04	24	0
20	QPSK	50	50	23.00	23.04	22.92		
20	QPSK	100	0	22.99	23.14	23.05		
20	16QAM	1	0	23.18	23.20	23.10		
20	16QAM	1	49	23.06	23.04	22.95	24	0
20	16QAM	1	99	23.09	23.12	23.02		
20	16QAM	50	0	22.10	22.16	22.07		
20	16QAM	50	24	21.90	22.02	21.98	23	1
20	16QAM	50	50	21.95	22.07	21.93		
20	16QAM	100	0	21.95	21.99	21.88		
20	64QAM	1	0	22.06	22.20	22.11		
20	64QAM	1	49	21.98	22.16	22.00	23	1
20	64QAM	1	99	21.93	22.07	21.92		
20	64QAM	50	0	21.01	21.17	21.15		
20	64QAM	50	24	21.06	21.12	21.04	22	2
20	64QAM	50	50	20.96	21.12	21.03		
20	64QAM	100	0	20.99	21.11	21.02		
Channel				18675	18900	19125		
Frequency (MHz)				18675	18900	19125		
15	QPSK	1	0	23.20	23.21	23.10	24	0
15	QPSK	1	37	23.00	23.13	22.99		
15	QPSK	1	74	23.08	23.21	23.02		
15	QPSK	36	0	23.08	23.13	22.98	24	0
15	QPSK	36	20	22.94	22.98	23.00		
15	QPSK	36	39	22.87	22.96	22.80		
15	QPSK	75	0	22.86	23.05	23.00		
15	16QAM	1	0	23.14	23.15	22.98		
15	16QAM	1	37	22.93	22.89	22.88	24	0
15	16QAM	1	74	22.97	23.03	22.93		
15	16QAM	36	0	22.00	22.12	22.01		
15	16QAM	36	20	21.91	21.96	21.85	23	1
15	16QAM	36	39	21.89	22.00	21.89		
15	16QAM	75	0	21.88	21.88	21.76		
15	64QAM	1	0	21.94	22.16	22.00		
15	64QAM	1	37	21.94	22.09	21.97	23	1
15	64QAM	1	74	21.92	22.01	21.92		
15	64QAM	36	0	20.98	21.10	21.05		
15	64QAM	36	20	20.92	20.98	20.95	22	2
15	64QAM	36	39	20.90	21.04	20.97		
15	64QAM	75	0	20.95	21.01	20.90		
Channel				18550	18900	19150		
Frequency (MHz)				18550	18900	19150		
10	QPSK	1	0	23.10	23.19	23.02	24	0
10	QPSK	1	25	23.07	23.14	22.96		
10	QPSK	1	49	23.13	23.19	22.99		
10	QPSK	25	0	23.03	23.14	22.95	24	0
10	QPSK	25	12	22.93	22.99	22.92		
10	QPSK	25	25	22.92	22.92	22.87		
10	QPSK	50	0	22.87	23.06	22.96		
10	16QAM	1	0	23.14	23.08	22.96	24	0
10	16QAM	1	25	23.04	22.92	22.83		
10	16QAM	1	49	23.03	23.04	22.94		
10	16QAM	25	0	21.99	22.04	22.01	23	1
10	16QAM	25	12	21.79	21.95	21.89		
10	16QAM	25	25	21.90	22.03	21.84		
10	16QAM	50	0	21.81	21.95	21.73		
10	16QAM	50	1	21.92	22.08	22.04	23	1
10	64QAM	1	0	21.91	22.02	21.90		
10	64QAM	1	49	21.92	22.01	21.90		
10	64QAM	25	0	20.90	21.05	21.07		
10	64QAM	25	12	20.93	21.04	20.94	22	2
10	64QAM	25	25	20.83	21.03	21.00		
10	64QAM	50	0	20.86	21.04	20.93		
Channel				18625	18900	19175		
Frequency (MHz)				18625	18900	19175		
5	QPSK	1	0	23.15	23.24	23.06	24	0
5	QPSK	1	12	23.05	23.16	22.98		
5	QPSK	1	25	23.00	23.12	23.00		
5	QPSK	12	0	23.00	23.04	22.97	24	0
5	QPSK	12	7	22.97	23.06	22.90		
5	QPSK	12	13	22.86	22.89	22.80		
5	QPSK	25	0	22.88	23.06	23.01		
5	16QAM	1	0	23.04	23.06	23.03		
5	16QAM	1	12	23.04	22.91	22.82	24	0
5	16QAM	1	24	22.92	23.06	22.91		
5	16QAM	12	0	21.96	22.11	21.97	23	1
5	16QAM	12	7	21.85	21.90	21.90		
5	16QAM	12	13	21.86	22.01	21.89		
5	16QAM	25	0	21.84	21.89	21.85		
5	64QAM	1	0	21.97	22.08	22.05		
5	64QAM	1	12	21.85	22.06	21.85	23	1
5	64QAM	1	24	21.92	21.94	21.93		
5	64QAM	12	0	20.92	21.06	21.07		
5	64QAM	12	7	20.92	21.06	21.07	22	2
5	64QAM	12	13	20.87	21.03	20.94		
5	64QAM	25	0	20.95	21.05	20.99		
Channel				18615	18900	19185		
Frequency (MHz)				18615	18900	19185		
3	QPSK	1	0	23.10	23.24	23.02	24	0
3	QPSK	1	8	23.08	23.16	22.93		
3	QPSK	1	14	23.17	23.11	23.01		
3	QPSK	8	0	23.05	23.14	22.94	24	0
3	QPSK	8	4	22.96	22.97	23.02		
3	QPSK	8	7	22.97	22.95	22.86		
3	QPSK	15	0	22.85	23.04	22.95		
3	16QAM	1	0	23.13	23.15	22.99		
3	16QAM	1	8	23.04	22.93	22.91	24	0
3	16QAM	1	14	23.05	23.07	22.98		
3	16QAM	8	0	22.07	22.02	22.00		
3	16QAM	8	4	21.76	21.93	21.86	23	1
3	16QAM	8	7	21.84	21.94	21.81		
3	16QAM	15	0	21.82	21.93	21.79		
3	64QAM	1	0	21.98	22.12	22.07		
3	64QAM	1	8	21.84	22.03	21.91	23	1
3	64QAM	1	14	21.86	21.95	21.89		
3	64QAM	8	0	20.96	21.12	21.01		
3	64QAM	8	4	21.03	21.01	20.99	22	2
3	64QAM	8	7	20.91	21.08	20.91		
3	64QAM	15	0	20.90	21.00	20.87		
Channel				18507	18900	19055		
Frequency (MHz)				18507	18900	19055		
1.4	QPSK	1	0	23.10	23.20	23.02	24	0
1.4	QPSK	1	3	23.00	23.11	22.97		
1.4	QPSK	1	5	23.13	23.18	23.05		
1.4	QPSK	3	0	23.08	23.10	22.95	25	0
1.4	QPSK	3	1	22.95	22.98	22.90		
1.4	QPSK	3	3	22.91	22.97	22.82		
1.4	QPSK	6	0	22.94	23.09	22.90	24	0
1.4	16QAM	1	0	23.04	23.17	23.07		
1.4	16QAM	1	3	23.05	23.03	22.90		
1.4	16QAM	1	5	22.95	23.01	22.97		
1.4	16QAM	3	0	23.00	23.07	23.00	24	0
1.4	16QAM	3	1	22.79	22.97	22.92		
1.4	16QAM	3	3	22.81	22.94	22.89		
1.4	16QAM	6	0	21.91	21.84	21.77	23	1
1.4	64QAM	1	0	21.96	22.07	22.02		
1.4	64QAM	1	3	21.91	22.03	21.90		
1.4	64QAM	1	5	21.92	21.93	21.79		
1.4	64QAM	3	0	21.96	22.08	22.10	23	1
1.4	64QAM	3	1	21.93	21.98	21.94		
1.4	64QAM	3	3	21.90	22.04	21.92		
1.4	64QAM	6	0	20.95	21.00	20.91	22	2

### Band 4 Ant1 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch./Freq.	Middle Ch./Freq.	High Ch./Freq.		
Channel				20050	20175	20300		
Frequency (MHz)				20050	20175	20300		
20	QPSK	1	0	24.29	24.33	24.30	25	0
20	QPSK	1	49	24.18	24.23	24.09		
20	QPSK	1	99	24.01	24.12	24.05		
20	QPSK	50	0	23.08	23.20	23.11		
20	QPSK	50	24	23.02	23.12	23.09	24	1
20	QPSK	50	50	22.88	22.97	22.89		
20	QPSK	100	0	22.96	23.04	22.91		
20	16QAM	1	0	23.24	23.30	23.18		
20	16QAM	1	49	23.08	23.15	23.14	24	1
20	16QAM	1	99	22.99	23.15	23.08		
20	16QAM	50	0	22.11	22.16	22.07		
20	16QAM	50	24	22.10	22.24	22.15	23	2
20	16QAM	50	50	22.02	22.12	21.97		
20	16QAM	100	0	21.88	22.01	21.89		
20	64QAM	1	0	22.19	22.25	22.17		
20	64QAM	1	49	22.09	22.19	22.13	23	2
20	64QAM	1	99	22.08	22.14	21.99		
20	64QAM	50	0	21.24	21.28	21.18		
20	64QAM	50	24	21.22	21.33	21.28	22	3
20	64QAM	50	50	21.11	21.20	21.10		
20	64QAM	100	0	21.19	21.27	21.05		
Channel				20025	20175	20325		
Frequency (MHz)				20025	20175	20325		
15	QPSK	1	0	24.15	24.25	24.00	25	0
15	QPSK	1	37	24.04	24.14	23.97		
15	QPSK	1	74	23.92	24.08	24.02		



### Band 7 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)				20850	21100	21350		
20	QPSK	1	0	23.83	23.93	23.91	25	0
20	QPSK	1	49	23.86	23.94	23.81		
20	QPSK	1	99	23.73	23.80	23.69		
20	QPSK	50	0	22.98	23.09	22.95		
20	QPSK	50	24	22.93	23.02	22.93	24	1
20	QPSK	50	50	22.90	22.95	22.90		
20	QPSK	100	0	23.07	23.14	23.01		
20	16QAM	1	0	23.00	23.10	23.02		
20	16QAM	1	49	22.92	22.97	22.90	24	1
20	16QAM	1	99	22.91	23.04	22.94		
20	16QAM	50	0	22.01	22.12	22.08		
20	16QAM	50	24	21.86	21.98	21.89	23	2
20	16QAM	50	50	21.94	22.01	21.89		
20	16QAM	100	0	22.04	22.14	22.03		
20	16QAM	1	0	21.99	22.09	21.98		
20	64QAM	1	49	21.84	22.01	21.87	23	2
20	64QAM	1	99	21.90	21.97	21.83		
20	64QAM	50	0	21.09	21.13	21.06		
20	64QAM	50	24	20.89	21.04	20.90	22	3
20	64QAM	50	50	20.93	21.04	20.92		
20	64QAM	100	0	21.01	21.16	21.10		
Channel								
Frequency (MHz)				20825	21100	21375		
15	QPSK	1	0	23.78	23.90	23.77	25	0
15	QPSK	1	37	23.74	23.83	23.75		
15	QPSK	1	74	23.61	23.74	23.66		
15	QPSK	36	0	22.96	22.97	22.83	24	1
15	QPSK	36	20	22.88	22.99	22.89		
15	QPSK	36	39	22.80	22.91	22.81		
15	QPSK	75	0	22.97	23.02	22.93		
15	16QAM	1	0	22.95	23.03	22.87		
15	16QAM	1	37	22.83	22.84	22.78	24	1
15	16QAM	1	74	22.87	22.93	22.79		
15	16QAM	36	0	21.91	21.98	21.96	23	2
15	16QAM	36	20	21.76	21.87	21.74		
15	16QAM	36	39	21.82	21.98	21.74		
15	16QAM	75	0	21.98	22.02	21.93		
15	64QAM	1	0	21.90	21.95	21.87	23	2
15	64QAM	1	37	21.78	21.92	21.82		
15	64QAM	1	74	21.84	21.90	21.71		
15	64QAM	36	0	21.06	21.05	20.98		
15	64QAM	36	20	20.77	20.91	20.82	22	3
15	64QAM	36	39	20.87	20.97	20.77		
15	64QAM	75	0	20.91	21.11	21.00		
Channel								
Frequency (MHz)				20800	21100	21400		
10	QPSK	1	0	23.74	23.88	23.87	25	0
10	QPSK	1	25	23.80	23.86	23.67		
10	QPSK	1	49	23.60	23.68	23.63		
10	QPSK	25	0	22.91	23.01	22.80	24	1
10	QPSK	25	12	22.80	22.89	22.83		
10	QPSK	25	25	22.75	22.81	22.79		
10	QPSK	50	0	22.98	23.06	22.87		
10	16QAM	1	0	22.87	23.01	22.93	24	1
10	16QAM	1	25	22.83	22.87	22.80		
10	16QAM	1	49	22.85	22.92	22.86		
10	16QAM	25	0	21.94	22.08	22.04	23	2
10	16QAM	25	12	21.78	21.84	21.81		
10	16QAM	25	25	21.89	21.91	21.79		
10	16QAM	50	0	22.00	22.09	21.92		
10	64QAM	1	0	21.92	21.98	21.91	23	2
10	64QAM	1	25	21.70	21.89	21.80		
10	64QAM	1	49	21.81	21.88	21.68		
10	64QAM	25	0	20.95	21.08	21.02	22	3
10	64QAM	25	12	20.77	20.91	20.78		
10	64QAM	25	25	20.79	20.92	20.85		
10	64QAM	50	0	20.87	21.05	20.99		
Channel								
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	23.78	23.89	23.86	25	0
5	QPSK	1	12	23.79	23.90	23.68		
5	QPSK	1	24	23.62	23.68	23.59		
5	QPSK	12	0	22.90	23.00	22.89	24	1
5	QPSK	12	7	22.83	22.88	22.80		
5	QPSK	12	13	22.81	22.90	22.81		
5	QPSK	25	0	22.92	23.02	22.88		
5	16QAM	1	0	22.88	23.00	22.91		
5	16QAM	1	12	22.88	22.83	22.80	24	1
5	16QAM	1	24	22.84	22.94	22.89		
5	16QAM	12	0	21.98	22.04	22.05	23	2
5	16QAM	12	7	21.74	21.94	21.76		
5	16QAM	12	13	21.86	21.94	21.78		
5	16QAM	25	0	21.91	22.01	21.98		
5	64QAM	1	0	21.94	21.98	21.85	23	2
5	64QAM	1	12	21.75	21.91	21.78		
5	64QAM	1	24	21.84	21.92	21.68		
5	64QAM	12	0	21.06	21.06	20.93	22	3
5	64QAM	12	7	20.81	20.99	20.81		
5	64QAM	12	13	20.84	20.92	20.78		
5	64QAM	25	0	20.87	21.03	21.01		

### Band 12 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)				23060	23095	23130		
10	QPSK	1	0	24.35	24.50	24.30	25.5	0
10	QPSK	1	25	24.20	24.30	24.26		
10	QPSK	1	49	24.39	24.38	24.27		
10	QPSK	25	0	23.27	23.37	23.31	24.5	1
10	QPSK	25	12	23.26	23.26	23.15		
10	QPSK	25	25	23.08	23.15	23.14		
10	QPSK	50	0	23.21	23.32	23.21		
10	16QAM	1	0	23.44	23.50	23.44	24.5	1
10	16QAM	1	25	23.31	23.38	23.24		
10	16QAM	1	49	23.39	23.38	23.29		
10	16QAM	25	0	22.39	22.56	22.42	23.5	2
10	16QAM	25	12	22.37	22.46	22.31		
10	16QAM	25	25	22.45	22.54	22.42		
10	16QAM	50	0	22.51	22.57	22.57		
10	64QAM	1	0	22.57	22.60	22.60		
10	64QAM	1	25	22.46	22.55	22.47	23.5	2
10	64QAM	1	49	22.48	22.50	22.35		
10	64QAM	25	0	21.51	21.57	21.51	22.5	3
10	64QAM	25	12	21.38	21.45	21.40		
10	64QAM	25	25	21.40	21.45	21.47		
10	64QAM	50	0	21.46	21.48	21.38		
Channel								
Frequency (MHz)				23035	23095	23155		
5	QPSK	1	0	24.32	24.39	24.21	25.5	0
5	QPSK	1	12	24.15	24.27	24.20		
5	QPSK	1	24	24.28	24.26	24.17		
5	QPSK	12	0	23.13	23.25	23.24	24.5	1
5	QPSK	12	7	23.19	23.13	23.04		
5	QPSK	12	13	23.01	23.03	23.00		
5	QPSK	25	0	23.16	23.29	23.17		
5	16QAM	1	0	23.34	23.44	23.39	24.5	1
5	16QAM	1	12	23.19	23.29	23.19		
5	16QAM	1	24	23.24	23.29	23.18		
5	16QAM	12	0	22.25	22.45	22.36	23.5	2
5	16QAM	12	7	22.30	22.31	22.26		
5	16QAM	12	13	22.30	22.43	22.35		
5	16QAM	25	0	22.45	22.42	22.44		
5	64QAM	1	0	22.45	22.51	22.47	23.5	2
5	64QAM	1	12	22.36	22.52	22.43		
5	64QAM	1	24	22.36	22.40	22.32		
5	64QAM	12	0	21.45	21.43	21.43	22.5	3
5	64QAM	12	7	21.24	21.32	21.26		
5	64QAM	12	13	21.27	21.35	21.34		
5	64QAM	25	0	21.40	21.33	21.22		
Channel								
Frequency (MHz)				23025	23095	23165		
3	QPSK	1	0	24.25	24.34	24.18	25.5	0
3	QPSK	1	8	24.05	24.25	24.19		
3	QPSK	1	14	24.29	24.27	24.14		
3	QPSK	8	0	23.23	23.23	23.24	24.5	1
3	QPSK	8	4	23.11	23.17	23.07		
3	QPSK	8	7	23.04	23.01	23.00		
3	QPSK	15	0	23.09	23.19	23.08	24.5	1
3	16QAM	1	0	23.40	23.95	23.35		
3	16QAM	1	8	23.26	23.25	23.10		
3	16QAM	1	14	23.30	23.29	23.25		



Band 17 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	24.31	24.49	24.39			
10	QPSK	1	25	24.30	24.44	24.38	25.5	0	
10	QPSK	1	49	24.24	24.28	24.24			
10	QPSK	25	0	23.49	23.55	23.42			
10	QPSK	25	12	23.41	23.51	23.38	24.5	1	
10	QPSK	25	25	23.50	23.50	23.39			
10	QPSK	50	0	23.36	23.47	23.36			
10	16QAM	1	0	23.45	23.53	23.42			
10	16QAM	1	25	23.41	23.42	23.23	24.5	1	
10	16QAM	1	49	23.30	23.44	23.41			
10	16QAM	25	0	22.51	22.57	22.42			
10	16QAM	25	12	22.43	22.46	22.42			
10	16QAM	25	25	22.33	22.45	22.38	23.5	2	
10	16QAM	50	0	22.45	22.52	22.43			
10	64QAM	1	0	22.59	22.60	22.54			
10	64QAM	1	25	22.48	22.53	22.45	23.5	2	
10	64QAM	1	49	22.58	22.61	22.46			
10	64QAM	25	0	21.40	21.47	21.38			
10	64QAM	25	12	21.42	21.45	21.32			
10	64QAM	25	25	21.40	21.42	21.39	22.5	3	
10	64QAM	50	0	21.51	21.57	21.45			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.15	24.42	24.30			
5	QPSK	1	12	24.19	24.33	24.23	25.5	0	
5	QPSK	1	24	24.14	24.21	24.18			
5	QPSK	12	0	23.36	23.43	23.31			
5	QPSK	12	7	23.32	23.41	23.29	24.5	1	
5	QPSK	12	13	23.30	23.41	23.33			
5	QPSK	25	0	23.16	23.37	23.17			
5	16QAM	1	0	23.35	23.43	23.24			
5	16QAM	1	12	23.27	23.29	23.15	24.5	1	
5	16QAM	1	24	23.20	23.30	23.37			
5	16QAM	12	0	22.44	22.46	22.32			
5	16QAM	12	7	22.24	22.28	22.31	23.5	2	
5	16QAM	12	13	22.19	22.36	22.26			
5	16QAM	25	0	22.28	22.34	22.35			
5	64QAM	1	0	22.45	22.50	22.47			
5	64QAM	1	12	22.40	22.38	22.31	23.5	2	
5	64QAM	1	24	22.42	22.51	22.29			
5	64QAM	12	0	21.33	21.30	21.26			
5	64QAM	12	7	21.30	21.30	21.23	22.5	3	
5	64QAM	12	13	21.22	21.35	21.27			
5	64QAM	25	0	21.32	21.30	21.36			

Band 26 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.50	24.58	24.55			
15	QPSK	1	37	24.48	24.52	24.48	25.5	0	
15	QPSK	1	74	24.52	24.63	24.58			
15	QPSK	36	0	23.49	23.62	23.58			
15	QPSK	36	20	23.47	23.59	23.52	24.5	1	
15	QPSK	36	39	23.44	23.50	23.37			
15	QPSK	75	0	23.48	23.58	23.45			
15	16QAM	1	0	23.64	23.65	23.64			
15	16QAM	1	37	22.49	22.66	22.51	24.5	1	
15	16QAM	1	74	22.52	22.58	22.59			
15	16QAM	1	74	23.51	23.54	23.49			
15	16QAM	36	0	22.61	22.63	22.52			
15	16QAM	36	20	22.60	22.58	22.46	23.5	2	
15	16QAM	36	39	22.56	22.59	22.45			
15	16QAM	75	0	22.50	22.51	22.45			
15	64QAM	1	0	22.60	22.72	22.59			
15	64QAM	1	37	22.49	22.66	22.51	23.5	2	
15	64QAM	1	74	22.52	22.57	22.52			
15	64QAM	36	0	21.57	21.67	21.54			
15	64QAM	36	20	21.47	21.54	21.40	22.5	3	
15	64QAM	36	39	21.56	21.56	21.50			
15	64QAM	75	0	21.43	21.49	21.46			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.45	24.54	24.47			
10	QPSK	1	25	24.42	24.41	24.38	25.5	0	
10	QPSK	1	49	24.49	24.49	24.52			
10	QPSK	25	0	23.42	23.57	23.52			
10	QPSK	25	12	23.33	23.55	23.46	24.5	1	
10	QPSK	25	25	23.31	23.39	23.30			
10	QPSK	50	0	23.43	23.45	23.31			
10	16QAM	1	0	23.50	23.60	23.56			
10	16QAM	1	25	23.45	23.49	23.42	24.5	1	
10	16QAM	1	49	23.39	23.50	23.40			
10	16QAM	25	0	22.57	22.55	22.47			
10	16QAM	25	12	22.46	22.46	22.37	23.5	2	
10	16QAM	25	25	22.50	22.54	22.38			
10	16QAM	50	0	22.40	22.48	22.40			
10	64QAM	1	0	22.51	22.66	22.53			
10	64QAM	1	25	22.35	22.56	22.44	23.5	2	
10	64QAM	1	49	22.48	22.46	22.53			
10	64QAM	25	0	21.50	21.59	21.41			
10	64QAM	25	12	21.40	21.49	21.29	22.5	3	
10	64QAM	25	25	21.44	21.52	21.40			
10	64QAM	50	0	21.55	21.57	21.43			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.40	24.61	24.43			
5	QPSK	1	12	24.45	24.41	24.35	25.5	0	
5	QPSK	1	24	24.40	24.50	24.52			
5	QPSK	12	0	23.44	23.55	23.48			
5	QPSK	12	7	23.41	23.52	23.49	24.5	1	
5	QPSK	12	13	23.34	23.36	23.32			
5	QPSK	25	0	23.33	23.33	23.42			
5	16QAM	1	0	23.54	23.53	23.49			
5	16QAM	1	12	23.35	23.52	23.40	24.5	1	
5	16QAM	1	24	23.42	23.50	23.42			
5	16QAM	12	0	22.51	22.57	22.37			
5	16QAM	12	7	22.44	22.54	22.41	23.5	2	
5	16QAM	12	13	22.52	22.46	22.32			
5	16QAM	25	0	22.37	22.39	22.31			
5	64QAM	1	0	22.52	22.67	22.49			
5	64QAM	1	12	22.39	22.58	22.41	23.5	2	
5	64QAM	1	24	22.37	22.46	22.50			
5	64QAM	12	0	21.49	21.60	21.50			
5	64QAM	12	7	21.35	21.50	21.29	22.5	3	
5	64QAM	12	13	21.45	21.45	21.44			
5	64QAM	25	0	21.29	21.40	21.43			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.46	24.59	24.41			
3	QPSK	1	8	24.39	24.39	24.44	25.5	0	
3	QPSK	1	14	24.38	24.57	24.48			
3	QPSK	8	0	23.42	23.51	23.43			
3	QPSK	8	4	23.44	23.45	23.48	24.5	1	
3	QPSK	8	7	23.30	23.41	23.33			
3	QPSK	15	0	23.43	23.55	23.33			
3	16QAM	1	0	23.57	23.54	23.50			
3	16QAM	1	8	23.42	23.51	23.45	24.5	1	
3	16QAM	1	14	23.41	23.43	23.35			
3	16QAM	8	0	22.57	22.50	22.42			
3	16QAM	8	4	22.43	22.46	22.35	23.5	2	
3	16QAM	8	7	22.46	22.45	22.31			
3	16QAM	15	0	22.40	22.47	22.40			
3	64QAM	1	0	22.46	22.63	22.52			
3	64QAM	1	8	22.45	22.56	22.43	23.5	2	
3	64QAM	1	14	22.37	22.51	22.51			
3	64QAM	8	0	21.48	21.58	21.39			
3	64QAM	8	4	21.36	21.41	21.35	22.5	3	
3	64QAM	8	7	21.42	21.50	21.38			
3	64QAM	15	0	21.34	21.44	21.42			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.56	24.46			
1.4	QPSK	1	3	24.34	24.41	24.38	25.5	0	
1.4	QPSK	1	5	24.45	24.49	24.50			
1.4	QPSK	3	0	24.35	24.49	24.44			
1.4	QPSK	3	1	24.33	24.47	24.49			
1.4	QPSK	3	1	24.31	24.41	24.29	24.5	1	
1.4	QPSK	6	0	23.37	23.47	23.31			
1.4	16QAM	1	0	23.56	23.59	23.59			
1.4	16QAM	1	3	23.37	23.58	23.40			
1.4	16QAM	1	5	23.39	23.44	23.35	24.5	1	
1.4	16QAM	3	0	23.57	23.55	23.38			
1.4	16QAM	3	1	23.43	23.53	23.31			
1.4	16QAM	3	3	23.51	23.47	23.36			
1.4	16QAM	6	0	22.45	22.43	22.37	23.5	2	
1.4	64QAM	1	0	22.48	22.67	22.52			
1.4	64QAM	1	3	22.37	22.56	22.40			
1.4	64QAM	1	5	22.40	22.4				



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	24.31	24.41	24.37	25.5	0		
20	QPSK	1	49	24.23	24.34	24.20				
20	QPSK	1	99	24.12	24.25	24.19				
20	QPSK	50	0	23.32	23.38	23.25	24.5	1		
20	QPSK	50	24	23.14	23.27	23.18				
20	QPSK	50	50	23.25	23.34	23.27				
20	QPSK	100	0	23.27	23.35	23.26	24.5	1		
20	16QAM	1	0	23.25	23.39	23.27				
20	16QAM	1	49	23.21	23.31	23.17				
20	16QAM	1	99	23.23	23.36	23.30	23.5	2		
20	16QAM	50	0	22.26	22.33	22.22				
20	16QAM	50	24	22.13	22.25	22.12				
20	16QAM	50	50	22.17	22.25	22.13	23.5	2		
20	16QAM	100	0	22.28	22.38	22.25				
20	84QAM	1	0	22.13	22.22	22.17				
20	84QAM	1	49	22.02	22.15	22.09	23.5	2		
20	84QAM	1	99	21.96	22.08	21.98				
20	84QAM	50	0	21.14	21.28	21.22				
20	84QAM	50	24	21.02	21.15	21.08	22.5	3		
20	84QAM	50	50	21.09	21.19	21.07				
20	84QAM	100	0	21.20	21.32	21.20				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.27	24.27	24.24	25.5	0		
15	QPSK	1	37	24.15	24.30	24.13				
15	QPSK	1	74	23.99	24.19	24.05				
15	QPSK	36	0	23.29	23.32	23.13	24.5	1		
15	QPSK	36	20	23.08	23.23	23.09				
15	QPSK	36	39	23.21	23.24	23.22				
15	QPSK	75	0	23.19	23.29	23.12	24.5	1		
15	16QAM	1	0	23.18	23.28	23.16				
15	16QAM	1	37	23.15	23.20	23.04				
15	16QAM	1	74	23.09	23.29	23.17	23.5	2		
15	16QAM	36	0	22.16	22.19	22.11				
15	16QAM	36	20	22.07	22.13	22.06				
15	16QAM	36	39	22.13	22.19	22.01	23.5	2		
15	16QAM	75	0	22.21	22.30	22.13				
15	84QAM	1	0	22.00	22.08	22.07				
15	84QAM	1	37	21.87	22.12	22.00	23.5	2		
15	84QAM	1	74	21.82	22.05	21.87				
15	84QAM	36	0	21.05	21.21	21.11				
15	84QAM	36	20	20.92	21.06	20.95	22.5	3		
15	84QAM	36	39	21.01	21.04	21.03				
15	84QAM	75	0	21.07	21.22	21.12				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.27	24.37	24.23	25.5	0		
10	QPSK	1	25	24.16	24.22	24.09				
10	QPSK	1	49	23.97	24.20	24.14				
10	QPSK	25	0	23.19	23.25	23.19	24.5	1		
10	QPSK	25	12	23.00	23.24	23.09				
10	QPSK	25	25	23.17	23.27	23.15				
10	QPSK	50	0	23.15	23.26	23.18	24.5	1		
10	16QAM	1	0	23.16	23.35	23.18				
10	16QAM	1	25	23.16	23.17	23.10				
10	16QAM	1	49	23.16	23.30	23.17	23.5	2		
10	16QAM	25	0	22.15	22.26	22.14				
10	16QAM	25	12	22.01	22.21	22.06				
10	16QAM	25	25	22.06	22.19	21.98	23.5	2		
10	16QAM	50	0	22.24	22.25	22.20				
10	84QAM	1	0	22.04	22.11	22.13				
10	84QAM	1	25	21.95	22.00	21.98	23.5	2		
10	84QAM	1	49	21.89	21.97	21.92				
10	84QAM	25	0	21.11	21.25	21.12				
10	84QAM	25	12	20.89	21.07	21.04	22.5	3		
10	84QAM	25	25	21.01	21.04	20.94				
10	84QAM	50	0	21.13	21.27	21.07				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.22	24.32	24.25	25.5	0		
5	QPSK	1	12	24.16	24.20	24.07				
5	QPSK	1	24	24.01	24.20	24.13				
5	QPSK	12	0	23.27	23.28	23.19	24.5	1		
5	QPSK	12	7	23.11	23.22	23.12				
5	QPSK	12	13	23.14	23.31	23.21				
5	QPSK	25	0	23.13	23.30	23.22	24.5	1		
5	16QAM	1	0	23.10	23.29	23.20				
5	16QAM	1	12	23.12	23.27	23.10				
5	16QAM	1	24	23.16	23.23	23.23	23.5	2		
5	16QAM	12	0	22.13	22.27	22.15				
5	16QAM	12	7	22.03	22.11	21.98				
5	16QAM	12	13	22.02	22.15	22.05	23.5	2		
5	16QAM	25	0	22.13	22.25	22.13				
5	84QAM	1	0	22.01	22.18	22.08				
5	84QAM	1	12	21.95	22.05	22.02	23.5	2		
5	84QAM	1	24	21.81	22.02	21.88				
5	84QAM	12	0	21.01	21.19	21.18				
5	84QAM	12	7	20.91	21.11	21.01	22.5	3		
5	84QAM	12	13	20.99	21.12	20.97				
5	84QAM	25	0	21.13	21.20	21.11				

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	24.35	24.38	24.46	24.43	24.32	25.5	0		
20	QPSK	1	49	24.20	24.24	24.28	24.17	24.14				
20	QPSK	1	99	24.29	24.21	24.35	24.31	24.20				
20	QPSK	50	0	23.32	23.36	23.43	23.31	23.33	24.5	1		
20	QPSK	50	24	23.24	23.23	23.30	23.26	23.20				
20	QPSK	50	50	23.23	23.29	23.34	23.20	23.22				
20	QPSK	100	0	23.29	23.28	23.35	23.27	23.21	24.5	1		
20	16QAM	1	0	23.31	23.27	23.40	23.26	23.35				
20	16QAM	1	49	23.16	23.22	23.28	23.17	23.24				
20	16QAM	1	99	23.25	23.22	23.26	23.15	23.24	23.5	2		
20	16QAM	50	0	22.15	22.17	22.25	22.14	22.13				
20	16QAM	50	24	22.08	22.14	22.19	22.15	21.98				
20	16QAM	50	50	22.04	22.13	22.19	22.12	22.01	23.5	2		
20	16QAM	100	0	22.28	22.18	22.32	22.27	22.20				
20	84QAM	1	0	22.05	22.01	22.09	22.00	21.98				
20	84QAM	1	49	21.87	21.97	22.03	21.92	21.91	23.5	2		
20	84QAM	1	99	21.89	21.92	22.03	21.93	21.91				
20	84QAM	50	0	21.27	21.28	21.37	21.30	21.29				
20	84QAM	50	24	21.20	21.23	21.27	21.15	21.18	22.5	3		
20	84QAM	50	50	21.19	21.14	21.24	21.12	21.14				
20	84QAM	100	0	21.34	21.32	21.40	21.33	21.36				
Channel				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5				
15	QPSK	1	0	24.28	24.26	24.40	24.39	24.26	26	0		
15	QPSK	1	37	24.14	24.15	24.16	24.03	23.99				
15	QPSK	1	74	24.16	24.16	24.29	24.22	24.10				
15	QPSK	36	0	23.28	23.31	23.39	23.19	23.27	24.5	1		
15	QPSK	36	20	23.18	23.13	23.19	23.15	23.14				
15	QPSK	36	39	23.18	23.16	23.30	23.11	23.14				
15	QPSK	75	0	23.24	23.17	23.23	23.17	23.11	24.5	1		
15	16QAM	1	0	23.28	23.23	23.31	23.22	23.23				
15	16QAM	1	37	23.05	23.14	23.13	23.13	23.12				
15	16QAM	1	74	23.11	23.11	23.18	23.10	23.17	23.5	2		
15	16QAM	36	0	22.05	22.10	22.11	22.08	22.07				
15	16QAM	36	20	22.00	22.11	22.11	22.10	21.88				
15	16QAM	36	39	21.92	22.09	22.14</						



## Reduced Power Mode for DSI 4

GSM850 Ant0 Default									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.53	32.77	32.65	33.50	23.53	23.77	23.65	24.50	
GPRS 1 Tx slots	32.47	32.60	32.57	33.50	23.47	23.60	23.57	24.50	
GPRS 2 Tx slots	28.74	28.81	28.66	30.00	22.74	22.81	22.66	24.00	
GPRS 3 Tx slots	27.07	27.26	26.89	28.50	22.81	23.00	22.63	24.24	
GPRS 4 Tx slots	25.58	25.91	25.75	27.50	22.88	22.91	22.75	24.50	
EDGE 1 Tx slot	27.15	27.28	27.00	27.50	18.15	18.28	18.00	18.50	
EDGE 2 Tx slots	24.39	24.35	24.20	25.00	18.39	18.35	18.20	19.00	
EDGE 3 Tx slots	22.13	22.24	22.16	23.50	17.87	17.98	17.90	19.24	
EDGE 4 Tx slots	21.38	21.48	21.28	22.50	18.38	18.48	18.28	19.50	

  

GSM1900 Ant0 DSI4									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
Frequency (MHz)	1850.2	1850	1909.8		1850.2	1850	1909.8		
GSM 1 Tx slot	27.42	27.76	27.65	28.50	18.42	18.76	18.65	19.50	
GPRS 1 Tx slot	27.57	27.70	27.61	28.50	18.57	18.70	18.61	19.50	
GPRS 2 Tx slots	23.66	23.91	23.68	25.00	17.66	17.91	17.68	19.00	
GPRS 3 Tx slots	21.70	21.85	21.90	23.00	17.44	17.59	17.64	18.74	
GPRS 4 Tx slots	20.53	20.48	20.65	21.50	17.53	17.48	17.65	18.50	
EDGE 1 Tx slot	25.87	26.04	25.85	26.80	16.87	17.04	16.85	17.80	
EDGE 2 Tx slots	22.88	23.21	23.06	24.10	16.88	17.21	17.06	18.10	
EDGE 3 Tx slots	21.74	21.89	21.86	23.00	17.48	17.63	17.60	18.74	
EDGE 4 Tx slots	19.97	20.12	19.99	21.30	16.97	17.12	16.99	18.30	

  

Band	WCDMA II Ant0 DSI4			Tune-up Limit (dBm)	WCDMA IV Ant0 DSI4			Tune-up Limit (dBm)	WCDMA V Ant0 Default			Tune-up Limit (dBm)
	WCDMA II	WCDMA II	WCDMA II		WCDMA IV	WCDMA IV	WCDMA IV		WCDMA V	WCDMA V	WCDMA V	
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4468	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	20.22	20.49	20.32	21.50	21.39	21.51	21.41	22.50	24.07	24.20	24.13	25.50
3GPP Rel 99 RMC 12.2Kbps	20.47	20.58	20.41	21.50	21.40	21.54	21.46	22.50	24.15	24.23	24.21	25.50
3GPP Rel 6 HSDPA Subtest-1	19.20	19.37	19.16	20.50	20.37	20.56	20.42	21.50	23.10	23.27	23.23	24.50
3GPP Rel 6 HSDPA Subtest-2	19.22	19.54	19.42	20.50	20.39	20.61	20.45	21.50	23.06	23.32	23.22	24.50
3GPP Rel 6 HSDPA Subtest-3	18.78	18.98	18.90	20.00	19.93	19.98	20.01	21.00	22.63	22.88	22.81	24.00
3GPP Rel 6 HSDPA Subtest-4	18.74	18.86	18.80	20.00	19.87	20.03	19.91	21.00	22.54	22.75	22.62	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	19.12	19.31	19.20	20.50	20.47	20.49	20.38	21.50	22.91	23.17	23.04	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	19.06	19.19	19.27	20.50	20.33	20.52	20.44	21.50	23.05	23.21	23.18	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	18.61	18.75	18.81	20.00	19.97	20.10	20.02	21.00	22.58	22.81	22.70	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	18.73	18.99	18.87	20.00	19.89	19.98	20.03	21.00	22.48	22.71	22.57	24.00
3GPP Rel 6 HSUPA Subtest-1	19.37	19.37	19.42	20.50	20.40	20.56	20.45	21.50	23.21	23.41	23.38	24.50
3GPP Rel 6 HSUPA Subtest-2	17.28	17.30	17.17	18.50	18.90	18.55	18.93	19.50	21.14	21.29	21.25	22.50
3GPP Rel 6 HSUPA Subtest-3	18.15	18.27	18.28	19.50	19.94	19.97	19.89	20.50	22.22	22.45	22.36	23.50
3GPP Rel 6 HSUPA Subtest-4	17.28	17.29	17.13	18.50	18.91	18.51	18.95	19.50	21.11	21.34	21.19	22.50
3GPP Rel 6 HSUPA Subtest-5	19.23	19.36	19.38	20.50	20.33	20.57	20.43	21.50	23.15	23.37	23.30	24.50



### Band 2 Ant0 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				18700	18900	19100		
20	QPSK	1	0	20.58	20.58	20.58	21.5	0
20	QPSK	1	49	20.45	20.59	20.53		
20	QPSK	1	99	20.44	20.68	20.58		
20	QPSK	50	0	20.43	20.71	20.51		
20	QPSK	50	24	20.42	20.58	20.61	21.5	0
20	QPSK	50	50	20.47	20.68	20.49		
20	QPSK	100	0	20.43	20.68	20.60		
20	16QAM	1	0	20.46	20.67	20.48		
20	16QAM	1	49	20.40	20.58	20.63	21.5	0
20	16QAM	1	99	20.47	20.58	20.40		
20	16QAM	50	0	20.44	20.60	20.65		
20	16QAM	50	24	20.44	20.58	20.58	21.5	0
20	16QAM	50	50	20.51	20.59	20.63	21.5	0
20	16QAM	100	0	20.57	20.68	20.62		
20	84QAM	1	0	20.41	20.57	20.58		
20	84QAM	1	49	20.55	20.73	20.58	21.5	0
20	84QAM	1	99	20.46	20.71	20.58		
20	84QAM	50	0	20.42	20.56	20.53		
20	84QAM	50	24	20.51	20.87	20.54	21.5	0
20	84QAM	50	50	20.51	20.65	20.61		
20	84QAM	100	0	20.46	20.68	20.49		
Channel								
Frequency (MHz)				18675	18900	19125		
15	QPSK	1	0	20.48	20.66	20.52	21.5	0
15	QPSK	1	37	20.32	20.48	20.40		
15	QPSK	1	74	20.29	20.49	20.47		
15	QPSK	36	0	20.32	20.54	20.42		
15	QPSK	36	39	20.40	20.50	20.54	21.5	0
15	QPSK	36	39	20.33	20.61	20.38		
15	QPSK	75	0	20.42	20.66	20.47		
15	16QAM	1	0	20.28	20.59	20.37		
15	16QAM	1	37	20.24	20.55	20.50	21.5	0
15	16QAM	1	74	20.30	20.47	20.44		
15	16QAM	36	0	20.41	20.57	20.47		
15	16QAM	36	39	20.32	20.54	20.42	21.5	0
15	16QAM	36	39	20.38	20.50	20.46		
15	16QAM	75	0	20.46	20.52	20.59		
15	84QAM	1	0	20.28	20.42	20.48		
15	84QAM	1	37	20.45	20.68	20.39	21.5	0
15	84QAM	1	74	20.41	20.66	20.45		
15	84QAM	36	0	20.37	20.49	20.46		
15	84QAM	36	39	20.37	20.56	20.51	21.5	0
15	84QAM	36	39	20.46	20.40	20.48		
15	84QAM	75	0	20.40	20.60	20.47		
Channel								
Frequency (MHz)				18550	18900	19150		
10	QPSK	1	0	20.45	20.61	20.53	21.5	0
10	QPSK	1	25	20.31	20.53	20.50		
10	QPSK	1	49	20.40	20.64	20.54		
10	QPSK	25	0	20.29	20.70	20.33		
10	QPSK	25	12	20.29	20.44	20.56	21.5	0
10	QPSK	25	25	20.34	20.85	20.37		
10	QPSK	50	0	20.26	20.94	20.35		
10	16QAM	1	0	20.35	20.54	20.35		
10	16QAM	1	25	20.24	20.55	20.59	21.5	0
10	16QAM	1	49	20.31	20.47	20.40		
10	16QAM	25	0	20.27	20.58	20.55		
10	16QAM	25	12	20.32	20.49	20.41	21.5	0
10	16QAM	25	25	20.41	20.45	20.59		
10	16QAM	50	0	20.50	20.51	20.57		
10	84QAM	1	0	20.23	20.42	20.52	21.5	0
10	84QAM	1	25	20.46	20.71	20.63		
10	84QAM	1	49	20.44	20.56	20.38		
10	84QAM	25	0	20.43	20.46	20.42		
10	84QAM	25	12	20.36	20.53	20.40	21.5	0
10	84QAM	25	25	20.42	20.60	20.55		
10	84QAM	50	0	20.33	20.52	20.30		
Channel								
Frequency (MHz)				18625	18900	19175		
5	QPSK	1	0	20.54	20.68	20.62	21.5	0
5	QPSK	1	12	20.39	20.63	20.46		
5	QPSK	1	24	20.37	20.81	20.55		
5	QPSK	12	0	20.31	20.89	20.34		
5	QPSK	12	7	20.39	20.54	20.56	21.5	0
5	QPSK	12	13	20.30	20.57	20.39		
5	QPSK	25	0	20.37	20.49	20.44		
5	16QAM	1	0	20.38	20.58	20.38		
5	16QAM	1	12	20.31	20.47	20.56	21.5	0
5	16QAM	1	24	20.37	20.41	20.36		
5	16QAM	12	0	20.44	20.48	20.63		
5	16QAM	12	7	20.32	20.56	20.55	21.5	0
5	16QAM	12	13	20.41	20.52	20.51		
5	16QAM	25	0	20.49	20.59	20.47		
5	84QAM	1	0	20.32	20.48	20.49		
5	84QAM	1	12	20.49	20.67	20.46	21.5	0
5	84QAM	1	24	20.31	20.62	20.42		
5	84QAM	12	0	20.46	20.40	20.41		
5	84QAM	12	7	20.44	20.51	20.61	21.5	0
5	84QAM	12	13	20.37	20.52	20.50		
5	84QAM	25	0	20.43	20.53	20.38		
Channel								
Frequency (MHz)				18615	18900	19185		
3	QPSK	1	0	20.46	20.69	20.55	21.5	0
3	QPSK	1	8	20.39	20.48	20.38		
3	QPSK	1	14	20.36	20.59	20.45		
3	QPSK	8	0	20.32	20.59	20.49		
3	QPSK	8	4	20.23	20.51	20.55	21.5	0
3	QPSK	8	7	20.41	20.81	20.41		
3	QPSK	15	0	20.40	20.63	20.54		
3	16QAM	1	0	20.40	20.50	20.47		
3	16QAM	1	8	20.23	20.55	20.54	21.5	0
3	16QAM	1	14	20.45	20.39	20.39		
3	16QAM	8	0	20.34	20.52	20.60		
3	16QAM	8	4	20.36	20.40	20.40	21.5	0
3	16QAM	8	7	20.39	20.40	20.55		
3	16QAM	15	0	20.44	20.54	20.60		
3	84QAM	1	0	20.40	20.48	20.47		
3	84QAM	1	8	20.53	20.70	20.40	21.5	0
3	84QAM	1	14	20.43	20.65	20.42		
3	84QAM	8	0	20.29	20.51	20.41		
3	84QAM	8	4	20.40	20.59	20.36	21.5	0
3	84QAM	8	7	20.40	20.57	20.53		
3	84QAM	15	0	20.41	20.67	20.46		
Channel								
Frequency (MHz)				18507	18900	19093		
1.4	QPSK	1	0	20.45	20.61	20.50	21.5	0
1.4	QPSK	1	3	20.28	20.52	20.34		
1.4	QPSK	1	5	20.32	20.65	20.46		
1.4	QPSK	3	0	20.27	20.62	20.44		
1.4	QPSK	3	1	20.41	20.52	20.60	21.5	0
1.4	QPSK	3	3	20.37	20.58	20.46		
1.4	QPSK	6	0	20.42	20.57	20.42		
1.4	16QAM	1	0	20.30	20.48	20.43		
1.4	16QAM	1	3	20.24	20.46	20.46	21.5	0
1.4	16QAM	1	5	20.29	20.46	20.34		
1.4	16QAM	3	0	20.37	20.55	20.53		
1.4	16QAM	3	1	20.40	20.48	20.45	21.5	0
1.4	16QAM	3	3	20.34	20.52	20.46		
1.4	16QAM	6	0	20.47	20.63	20.51		
1.4	84QAM	1	0	20.24	20.50	20.44		
1.4	84QAM	1	3	20.37	20.64	20.44	21.5	0
1.4	84QAM	1	5	20.34	20.59	20.59		
1.4	84QAM	3	0	20.44	20.43	20.52		
1.4	84QAM	3	1	20.44	20.57	20.44	21.5	0
1.4	84QAM	3	3	20.39	20.51	20.59		
1.4	84QAM	6	0	20.30	20.67	20.34	21.5	0

### Band 4 Ant0 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20050	20175	20300		
20	QPSK	1	0	21.08	21.12	21.05	22	0
20	QPSK	1	49	20.94	21.04	20.89		
20	QPSK	1	99	21.04	21.10	20.88		
20	QPSK	50	0	21.02	21.07	20.77		
20	QPSK	50	24	21.00	21.03	20.86	22	0
20	QPSK	50	50	20.94	21.05	20.81		
20	QPSK	100	0	20.88	20.96	20.83		
20	16QAM	1	0	20.99	20.99	20.89		
20	16QAM	1	49	20.89	20.95	20.80	22	0
20	16QAM	1						





### Band 7 Ant0 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							2510	2535	2550
Frequency (MHz)							20850	21100	21350
20	QPSK	1	0	17.58	17.81	17.85	19	0	
20	QPSK	1	49	17.54	17.59	17.52			
20	QPSK	1	99	17.59	17.71	17.56			
20	QPSK	50	0	17.47	17.77	17.71	19	0	
20	QPSK	50	24	17.50	17.61	17.69			
20	QPSK	50	50	17.53	17.66	17.66			
20	QPSK	100	0	17.44	17.88	17.64	19	0	
20	16QAM	1	0	17.54	17.87	17.83			
20	16QAM	1	49	17.51	17.79	17.74			
20	16QAM	1	99	17.52	17.70	17.58	19	0	
20	16QAM	50	0	17.46	17.68	17.69			
20	16QAM	50	24	17.60	17.65	17.60			
20	16QAM	50	50	17.57	17.68	17.69	19	0	
20	16QAM	100	0	17.58	17.79	17.65			
20	84QAM	1	0	17.59	17.57	17.54			
20	84QAM	1	49	17.48	17.89	17.73	19	0	
20	84QAM	1	99	17.62	17.74	17.85			
20	84QAM	50	0	17.55	17.68	17.67			
20	84QAM	50	24	17.56	17.59	17.58	19	0	
20	84QAM	50	50	17.51	17.62	17.72			
20	84QAM	100	0	17.50	17.65	17.65			
Channel							20825	21100	21375
Frequency (MHz)							2507.5	2535	2562.5
15	QPSK	1	0	17.48	17.87	17.57	19	0	
15	QPSK	1	37	17.51	17.44	17.45			
15	QPSK	1	74	17.45	17.81	17.49			
15	QPSK	38	0	17.33	17.84	17.87	19	0	
15	QPSK	38	20	17.40	17.57	17.55			
15	QPSK	38	39	17.48	17.57	17.59			
15	QPSK	75	0	17.40	17.82	17.59	19	0	
15	16QAM	1	0	17.41	17.56	17.54			
15	16QAM	1	37	17.42	17.76	17.60			
15	16QAM	1	74	17.49	17.55	17.50	19	0	
15	16QAM	36	0	17.32	17.85	17.85			
15	16QAM	36	20	17.35	17.56	17.49			
15	16QAM	38	0	17.51	17.54	17.55	19	0	
15	16QAM	38	39	17.47	17.66	17.64			
15	16QAM	75	0	17.53	17.42	17.51			
15	84QAM	1	37	17.43	17.85	17.59	19	0	
15	84QAM	1	74	17.49	17.70	17.52			
15	84QAM	36	0	17.43	17.84	17.61			
15	84QAM	36	20	17.48	17.52	17.48	19	0	
15	84QAM	38	39	17.39	17.56	17.67			
15	84QAM	75	0	17.42	17.50	17.50			
Channel							20800	21100	21400
Frequency (MHz)							2502.5	2535	2567.5
10	QPSK	1	0	17.47	17.72	17.61	19	0	
10	QPSK	1	25	17.44	17.48	17.37			
10	QPSK	1	49	17.54	17.67	17.48			
10	QPSK	25	0	17.35	17.67	17.61	19	0	
10	QPSK	25	12	17.40	17.50	17.59			
10	QPSK	25	25	17.45	17.54	17.57			
10	QPSK	50	0	17.38	17.59	17.53	19	0	
10	16QAM	1	0	17.40	17.58	17.53			
10	16QAM	1	25	17.38	17.89	17.63			
10	16QAM	1	49	17.48	17.67	17.45	19	0	
10	16QAM	25	0	17.36	17.63	17.66			
10	16QAM	25	12	17.53	17.60	17.50			
10	16QAM	25	25	17.53	17.57	17.62	19	0	
10	16QAM	50	0	17.51	17.67	17.60			
10	84QAM	1	0	17.55	17.47	17.42			
10	84QAM	1	25	17.37	17.56	17.69	19	0	
10	84QAM	1	49	17.49	17.81	17.52			
10	84QAM	25	0	17.46	17.60	17.61			
10	84QAM	25	12	17.45	17.54	17.54	19	0	
10	84QAM	25	25	17.44	17.51	17.64			
10	84QAM	50	0	17.41	17.61	17.57			
Channel							20775	21100	21425
Frequency (MHz)							2502.5	2535	2567.5
5	QPSK	1	0	17.48	17.70	17.64	19	0	
5	QPSK	1	12	17.40	17.47	17.44			
5	QPSK	1	24	17.50	17.62	17.51			
5	QPSK	12	0	17.38	17.73	17.63	19	0	
5	QPSK	12	7	17.37	17.51	17.56			
5	QPSK	12	13	17.43	17.52	17.59			
5	QPSK	25	0	17.36	17.61	17.50	19	0	
5	16QAM	1	0	17.50	17.61	17.52			
5	16QAM	1	12	17.37	17.75	17.63			
5	16QAM	1	24	17.39	17.62	17.45	19	0	
5	16QAM	12	0	17.31	17.81	17.57			
5	16QAM	12	7	17.49	17.59	17.51			
5	16QAM	12	13	17.50	17.60	17.56	19	0	
5	16QAM	25	0	17.44	17.67	17.61			
5	84QAM	1	0	17.53	17.43	17.39			
5	84QAM	1	12	17.39	17.55	17.65	19	0	
5	84QAM	1	24	17.48	17.71	17.50			
5	84QAM	12	0	17.45	17.57	17.59			
5	84QAM	12	7	17.41	17.55	17.49	19	0	
5	84QAM	12	13	17.45	17.54	17.61			
5	84QAM	25	0	17.37	17.53	17.60			

### 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							23050	23095	23130
Frequency (MHz)							707.5	717.5	711
10	QPSK	1	0	24.31	24.47	24.25	25.5	0	
10	QPSK	1	25	24.19	24.29	24.21			
10	QPSK	1	49	24.33	24.37	24.25			
10	QPSK	25	0	23.26	23.35	23.28	24.5	1	
10	QPSK	25	12	23.20	23.21	23.12			
10	QPSK	25	25	23.04	23.14	23.08			
10	QPSK	50	0	23.18	23.26	23.18	24.5	1	
10	16QAM	1	0	23.42	23.45	23.41			
10	16QAM	1	25	23.27	23.35	23.23			
10	16QAM	1	49	23.34	23.37	23.25	23.5	2	
10	16QAM	25	0	22.43	22.56	22.46			
10	16QAM	25	12	22.39	22.47	22.33			
10	16QAM	25	25	22.48	22.54	22.46	23.5	2	
10	16QAM	50	0	22.54	22.61	22.58			
10	84QAM	1	0	22.61	22.64	22.63			
10	84QAM	1	25	22.47	22.59	22.50	23.5	2	
10	84QAM	1	49	22.52	22.53	22.59			
10	84QAM	25	0	21.56	21.56	21.50			
10	84QAM	25	12	21.39	21.50	21.43	22.5	3	
10	84QAM	25	25	21.42	21.48	21.46			
10	84QAM	50	0	21.46	21.48	21.37			
Channel							23035	23095	23155
Frequency (MHz)							701.5	707.5	713.5
5	QPSK	1	0	24.19	24.40	24.14	25.5	0	
5	QPSK	1	12	24.07	24.15	24.14			
5	QPSK	1	24	24.24	24.28	24.13			
5	QPSK	12	0	23.15	23.24	23.21	24.5	1	
5	QPSK	12	7	23.15	23.16	23.01			
5	QPSK	12	13	23.05	23.07	22.99			
5	QPSK	25	0	23.10	23.19	23.09	24.5	1	
5	16QAM	1	0	23.30	23.35	23.34			
5	16QAM	1	12	23.17	23.24	23.18			
5	16QAM	1	24	23.27	23.23	23.16	23.5	2	
5	16QAM	12	0	22.29	22.45	22.38			
5	16QAM	12	7	22.34	22.32	22.25			
5	16QAM	12	13	22.30	22.41	22.34	23.5	2	
5	16QAM	25	0	22.51	22.57	22.49			
5	84QAM	1	0	22.52	22.59	22.51			
5	84QAM	1	12	22.33	22.48	22.44	23.5	2	
5	84QAM	1	24	22.47	22.48	22.35			
5	84QAM	12	0	21.46	21.51	21.39			
5	84QAM	12	7	21.30	21.45	21.35	22.5	3	
5	84QAM	12	13	21.35	21.38	21.42			
5	84QAM	25	0	21.34	21.35	21.29			
Channel							23025	23095	23165
Frequency (MHz)							700.5	707.5	714.5
3	QPSK	1	0	24.23	24.32	24.12	25.5	0	
3	QPSK	1	8	24.05	24.19	24.09			
3	QPSK	1	14	24.27	24.34	24.20			
3	QPSK	8	0	23.23	23.28	23.19	24.5	1	
3	QPSK	8	4	23.06	23.06	23.06			
3	QPSK	8	7	22.94	23.02	23.03			
3	QPSK	15	0	23.38	23.19	23.07	24.5	1	
3	16QAM	1	0	23.27	23.37	23.35			
3	16QAM	1	8	23.13	23.29	23.09			
3	16QAM	1	14	23.20	23.29	23.10	23.5	2	
3	16QAM	8	0	22.39	22.45	22.33			
3	16QAM	8	4	22.27	22.36	22.19			
3	16QAM	8	7	22.40	22.44	22.39	23.5	2	
3	16QAM	15	0	22.40	22.53	22.49			
3	84QAM	1	0	22.56	22.54	22.59			
3	84QAM	1	8						



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												
Frequency (MHz)												
10	QPSK	1	0	24.23	24.39	24.27	25.5	0				
10	QPSK	1	25	24.21	24.32	24.27						
10	QPSK	1	49	24.16	24.20	24.15						
10	QPSK	25	0	23.35	23.42	23.28						
10	QPSK	25	12	23.27	23.36	23.29						
10	QPSK	25	25	23.35	23.40	23.33	24.5	1				
10	QPSK	50	0	23.22	23.35	23.20						
10	16QAM	1	0	23.31	23.38	23.27						
10	16QAM	1	25	23.28	23.32	23.14						
10	16QAM	1	49	23.20	23.32	23.31						
10	16QAM	25	0	22.49	22.52	22.41	23.5	2				
10	16QAM	25	12	22.39	22.42	22.39						
10	16QAM	25	25	22.29	22.43	22.45						
10	16QAM	50	0	22.42	22.48	22.34						
10	16QAM	1	0	22.56	22.61	22.54						
10	16QAM	1	25	22.47	22.52	22.45	23.5	2				
10	16QAM	1	49	22.53	22.57	22.44						
10	16QAM	25	0	21.38	21.45	21.34						
10	16QAM	25	12	21.39	21.41	21.28						
10	16QAM	25	25	21.37	21.39	21.28						
10	16QAM	50	0	21.48	21.55	21.44	22.5	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.16	24.35	24.15				25.5	0	
5	QPSK	1	12	24.18	24.25	24.19						
5	QPSK	1	24	24.07	24.15	24.09						
5	QPSK	12	0	23.21	23.37	23.24						
5	QPSK	12	7	23.18	23.30	23.23						
5	QPSK	12	13	23.30	23.31	23.19	24.5	1				
5	QPSK	25	0	23.11	23.31	23.14						
5	16QAM	1	0	23.22	23.29	23.11						
5	16QAM	1	12	23.22	23.24	23.11						
5	16QAM	1	24	23.17	23.19	23.22						
5	16QAM	12	0	22.37	22.47	22.34	23.5	2				
5	16QAM	12	7	22.35	22.38	22.30						
5	16QAM	12	13	22.25	22.37	22.20						
5	16QAM	25	0	22.39	22.34	22.35						
5	16QAM	1	0	22.47	22.49	22.50						
5	16QAM	1	12	22.35	22.42	22.34	23.5	2				
5	16QAM	1	24	22.42	22.49	22.31						
5	16QAM	12	0	21.24	21.35	21.26						
5	16QAM	12	7	21.28	21.31	21.16						
5	16QAM	12	13	21.32	21.25	21.30						
5	16QAM	25	0	21.40	21.42	21.31	22.5	3				

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												
Frequency (MHz)												
15	QPSK	1	0	24.49	24.65	24.52	25.5	0				
15	QPSK	1	37	24.45	24.51	24.47						
15	QPSK	1	74	24.50	24.57	24.55						
15	QPSK	36	0	23.46	23.59	23.56						
15	QPSK	36	20	23.47	23.57	23.51						
15	QPSK	36	39	23.41	23.45	23.33	24.5	1				
15	QPSK	75	0	23.44	23.47	23.40						
15	16QAM	1	0	23.60	23.63	23.60						
15	16QAM	1	37	23.44	23.56	23.48						
15	16QAM	1	74	23.45	23.54	23.44						
15	16QAM	36	0	22.58	22.63	22.50	23.5	2				
15	16QAM	36	20	22.47	22.52	22.43						
15	16QAM	36	39	22.50	22.55	22.45						
15	16QAM	75	0	22.48	22.51	22.44						
15	16QAM	1	0	22.57	22.68	22.56						
15	16QAM	1	37	22.47	22.60	22.51	23.5	2				
15	16QAM	1	74	22.51	22.58	22.56						
15	16QAM	36	0	21.52	21.61	21.49						
15	16QAM	36	20	21.41	21.49	21.40						
15	16QAM	36	39	21.53	21.54	21.44						
15	16QAM	75	0	21.40	21.47	21.43	22.5	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.59	24.44				25.5	0	
10	QPSK	1	25	24.38	24.40	24.39						
10	QPSK	1	49	24.45	24.46	24.40						
10	QPSK	25	0	23.43	23.54	23.47						
10	QPSK	25	12	23.39	23.48	23.36						
10	QPSK	25	25	23.37	23.34	23.29	24.5	1				
10	QPSK	50	0	23.38	23.40	23.33						
10	16QAM	1	0	23.55	23.59	23.48						
10	16QAM	1	25	23.33	23.53	23.40						
10	16QAM	1	49	23.34	23.40	23.38						
10	16QAM	25	0	22.48	22.51	22.47	23.5	2				
10	16QAM	25	12	22.43	22.44	22.31						
10	16QAM	25	25	22.43	22.44	22.31						
10	16QAM	50	0	22.41	22.43	22.39						
10	16QAM	1	0	22.53	22.61	22.46						
10	16QAM	1	25	22.37	22.51	22.36	23.5	2				
10	16QAM	1	49	22.43	22.46	22.49						
10	16QAM	25	0	21.45	21.47	21.39						
10	16QAM	25	12	21.32	21.42	21.35						
10	16QAM	25	25	21.46	21.44	21.31						
10	16QAM	50	0	21.37	21.38	21.34	22.5	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.37	24.61	24.45				25.5	0	
5	QPSK	1	12	24.31	24.46	24.32						
5	QPSK	1	24	24.39	24.49	24.44						
5	QPSK	12	0	23.34	23.51	23.50						
5	QPSK	12	7	23.41	23.43	23.36						
5	QPSK	12	13	23.26	23.40	23.23	24.5	1				
5	QPSK	25	0	23.33	23.32	23.25						
5	16QAM	1	0	23.51	23.57	23.54						
5	16QAM	1	12	23.41	23.43	23.36						
5	16QAM	1	24	23.34	23.41	23.29						
5	16QAM	12	0	22.52	22.56	22.43	23.5	2				
5	16QAM	12	7	22.35	22.47	22.30						
5	16QAM	12	13	22.37	22.45	22.38						
5	16QAM	25	0	22.43	22.36	22.36						
5	16QAM	1	0	22.52	22.60	22.52						
5	16QAM	1	12	22.41	22.46	22.45	23.5	2				
5	16QAM	1	24	22.41	22.50	22.46						
5	16QAM	12	0	21.42	21.57	21.43						
5	16QAM	12	7	21.37	21.45	21.25						
5	16QAM	12	13	21.40	21.44	21.37						
5	16QAM	25	0	21.29	21.39	21.31	22.5	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.40	24.60	24.40				25.5	0	
3	QPSK	1	8	24.33	24.47	24.41						
3	QPSK	1	14	24.37	24.53	24.50						
3	QPSK	8	0	23.36	23.45	23.41						
3	QPSK	8	4	23.41	23.43	23.44						
3	QPSK	8	7	23.28	23.42	23.19	24.5	1				
3	QPSK	15	0	23.41	23.41	23.35						
3	16QAM	1	0	23.56	23.60	23.48						
3	16QAM	1	8	23.31	23.55	23.34						
3	16QAM	1	14	23.42	23.51	23.39						
3	16QAM	8	0	22.44	22.58	22.43	23.5	2				
3	16QAM	8	4	22.35	22.37	22.39						
3	16QAM	8	7	22.44	22.46	22.41						
3	16QAM	15	0	22.37	22.41	22.33						
3	16QAM	1	0	22.42	22.55	22.46						
3	16QAM	1	8	22.33	22.52	22.43	23.5	2				
3	16QAM	1	14	22.47	22.52	22.50						
3	16QAM	8	0	21.43	21.47	21.38						
3	16QAM	8	4	21.38	21.43	21.31						
3	16QAM	8	7	21.39	21.43	21.30						
3	16QAM	15	0	21.27	21.35	21.34	22.5	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.45	24.56	24.40				25.5	0	
1.4	QPSK	1	3	24.35	24.46	24.39						
1.4	QPSK	1	5	24.44	24.50	24.50						
1.4	QPSK	3	0	24.38	24.53	24.51						
1.4	QPSK	3	1	24.35	24.45	24.43						
1.4	QPSK	3	3	24.35	24.39	24.27	24.5	1				
1.4	QPSK	6	0	23.38	23.40	23.29						
1.4	16QAM	1	0	23.46	23.58	23.55						
1.4	16QAM	1	3	23.29	23.47	23.38						
1.4	16QAM	1	5	23.39	23.51	23.33						
1.4	16QAM	3	0	23.48	23.49	23.36	24.5	1				
1.4	16QAM	3	1	23.34	23.39	23.40						
1.4	16QAM	3	3	23.39	23.42	23.35						
1.4	16QAM	6	0	22.37	22.45	22.37						
1.4	16QAM	1	0	22.52	22.59	22.53						
1.4	16QAM	1	3	22.35	22.50	22.40	23.5	2				
1.4	16QAM	3	0	22.37	22.47	22.45						
1.4	16QAM	3	1	22.35	22.37	22.33						
1.4	16QAM	3	3	22.39	22.42	22.38						
1.4	16QAM	6	0	21.32	21.34	21.36						

Band 66 Ant0 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			



Band 38 Ant0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.85	19.87	19.71	21	0		
20	QPSK	1	49	19.74	19.79	19.62				
20	QPSK	1	99	19.73	19.86	19.61				
20	QPSK	50	0	19.73	19.78	19.52	21	0		
20	QPSK	50	24	19.66	19.76	19.53				
20	QPSK	50	50	19.70	19.69	19.62				
20	QPSK	100	0	19.67	19.72	19.65	21	0		
20	16QAM	1	0	19.76	19.79	19.65				
20	16QAM	1	49	19.74	19.74	19.66				
20	16QAM	1	99	19.75	19.77	19.60	21	0		
20	16QAM	50	0	19.71	19.81	19.63				
20	16QAM	50	24	19.75	19.76	19.68				
20	16QAM	50	50	19.79	19.78	19.61	21	0		
20	16QAM	100	0	19.76	19.70	19.58				
20	84QAM	1	0	19.72	19.79	19.55				
20	84QAM	1	49	19.69	19.70	19.55	21	0		
20	84QAM	1	99	19.84	19.81	19.70				
20	84QAM	50	0	19.75	19.81	19.52				
20	84QAM	50	24	19.76	19.84	19.55	21	0		
20	84QAM	50	50	19.82	19.68	19.55				
20	84QAM	100	0	19.82	19.72	19.63				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.79	19.69	19.60	21	0		
15	QPSK	1	37	19.68	19.70	19.54				
15	QPSK	1	74	19.58	19.83	19.45				
15	QPSK	36	0	19.67	19.76	19.51	21	0		
15	QPSK	36	20	19.53	19.63	19.35				
15	QPSK	36	39	19.54	19.62	19.47				
15	QPSK	75	0	19.56	19.62	19.53	21	0		
15	16QAM	1	0	19.70	19.76	19.47				
15	16QAM	1	37	19.63	19.60	19.49				
15	16QAM	1	74	19.74	19.69	19.51	21	0		
15	16QAM	36	0	19.56	19.76	19.55				
15	16QAM	36	20	19.68	19.65	19.61				
15	16QAM	36	39	19.74	19.69	19.43	21	0		
15	16QAM	75	0	19.66	19.63	19.51				
15	84QAM	1	0	19.54	19.66	19.53				
15	84QAM	1	37	19.58	19.52	19.54	21	0		
15	84QAM	1	74	19.67	19.62	19.61				
15	84QAM	36	0	19.65	19.71	19.44				
15	84QAM	36	20	19.57	19.75	19.47	21	0		
15	84QAM	36	39	19.66	19.50	19.41				
15	84QAM	75	0	19.68	19.59	19.57				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.81	19.74	19.60	21	0		
10	QPSK	1	25	19.67	19.63	19.55				
10	QPSK	1	49	19.62	19.76	19.49				
10	QPSK	25	0	19.66	19.61	19.36	21	0		
10	QPSK	25	12	19.52	19.66	19.38				
10	QPSK	25	25	19.57	19.52	19.60				
10	QPSK	50	0	19.59	19.66	19.51	21	0		
10	16QAM	1	0	19.70	19.64	19.63				
10	16QAM	1	25	19.59	19.62	19.64				
10	16QAM	1	49	19.61	19.58	19.53	21	0		
10	16QAM	25	0	19.60	19.75	19.53				
10	16QAM	25	12	19.71	19.67	19.61				
10	16QAM	25	25	19.71	19.75	19.51	21	0		
10	16QAM	50	0	19.73	19.64	19.44				
10	84QAM	1	0	19.66	19.71	19.39				
10	84QAM	1	25	19.56	19.63	19.43	21	0		
10	84QAM	1	49	19.74	19.78	19.61				
10	84QAM	25	0	19.62	19.77	19.40				
10	84QAM	25	12	19.70	19.76	19.40	21	0		
10	84QAM	25	25	19.68	19.61	19.48				
10	84QAM	50	0	19.74	19.58	19.56				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.81	19.72	19.69	21	0		
5	QPSK	1	12	19.64	19.69	19.54				
5	QPSK	1	24	19.55	19.82	19.43				
5	QPSK	12	0	19.68	19.71	19.37	21	0		
5	QPSK	12	7	19.47	19.62	19.37				
5	QPSK	12	13	19.58	19.65	19.53				
5	QPSK	25	0	19.49	19.63	19.46	21	0		
5	16QAM	1	0	19.72	19.73	19.54				
5	16QAM	1	12	19.71	19.58	19.49				
5	16QAM	1	24	19.59	19.65	19.51	21	0		
5	16QAM	12	0	19.54	19.72	19.50				
5	16QAM	12	7	19.69	19.70	19.56				
5	16QAM	12	13	19.77	19.71	19.43	21	0		
5	16QAM	25	0	19.74	19.64	19.44				
5	84QAM	1	0	19.55	19.75	19.50				
5	84QAM	1	12	19.54	19.61	19.40	21	0		
5	84QAM	1	24	19.75	19.78	19.56				
5	84QAM	12	0	19.71	19.72	19.43				
5	84QAM	12	7	19.69	19.66	19.39	21	0		
5	84QAM	12	13	19.77	19.55	19.40				
5	84QAM	25	0	19.68	19.54	19.55				

Band 41 Ant0 DSI4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	19.83	19.78	19.92	19.72	19.88	21	0		
20	QPSK	1	49	19.72	19.71	19.85	19.67	19.64				
20	QPSK	1	99	19.73	19.80	19.81	19.70	19.75				
20	QPSK	50	0	19.79	19.74	19.86	19.57	19.82	21	0		
20	QPSK	50	24	19.84	19.70	19.75	19.61	19.80				
20	QPSK	50	50	19.68	19.67	19.71	19.65	19.75				
20	QPSK	100	0	19.77	19.67	19.81	19.69	19.76	21	0		
20	16QAM	1	0	19.83	19.70	19.80	19.65	19.66				
20	16QAM	1	49	19.78	19.71	19.85	19.65	19.68				
20	16QAM	1	99	19.74	19.77	19.84	19.58	19.72	21	0		
20	16QAM	50	0	19.70	19.75	19.87	19.56	19.81				
20	16QAM	50	24	19.87	19.65	19.84	19.70	19.81				
20	16QAM	50	50	19.70	19.67	19.89	19.63	19.83	21	0		
20	16QAM	100	0	19.70	19.76	19.80	19.55	19.67				
20	84QAM	1	0	19.79	19.72	19.76	19.75	19.78				
20	84QAM	1	49	19.70	19.67	19.79	19.67	19.85	21	0		
20	84QAM	1	99	19.82	19.61	19.88	19.58	19.71				
20	84QAM	50	0	19.66	19.71	19.76	19.65	19.67				
20	84QAM	50	24	19.85	19.55	19.81	19.49	19.85	21	0		
20	84QAM	50	50	19.64	19.71	19.78	19.64	19.79				
20	84QAM	100	0	19.84	19.57	19.78	19.73	19.75				
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.68	19.73	19.82	19.57	19.85	21	0		
15	QPSK	1	37	19.66	19.63	19.71	19.54	19.54				
15	QPSK	1	74	19.63	19.67	19.69	19.58	19.60				
15	QPSK	36	0	19.74	19.59	19.76	19.47	19.71	21	0		
15	QPSK	36	20	19.77	19.61	19.66	19.50	19.66				
15	QPSK	36	39	19.58	19.58	19.58	19.61	19.71				
15	QPSK	75	0	19.68	19.59	19.68	19.61	19.62	21	0		
15	16QAM	1	0	19.75	19.62	19.77	19.52	19.52				
15	16QAM	1	37	19.70	19.65	19.70	19.58	19.55				
15	16QAM	1	74	19.68	19.74	19.77	19.51	19.66	21	0		
15	16QAM	36	0	19.61	19.70	19.79	19.48	19.68				
15	16QAM	36	20	19.80	19.57	19.71	19.65	19.76				
15	16QAM	36	39	19.61	19.56	19.79	19.51	19.71	21	0		
15	16QAM	75	0	19.66	19.69	19.66						



GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	178	189	251		178	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.35	32.41	32.26	33.50	23.35	23.41	23.26	24.50
GPRS 1 Tx slot	32.31	32.37	32.13	33.50	23.31	23.37	23.13	24.50
GPRS 2 Tx slots	28.98	29.21	28.86	30.00	22.98	23.21	22.86	24.00
GPRS 3 Tx slots	27.10	27.17	27.01	28.50	22.84	22.91	22.75	24.24
GPRS 4 Tx slots	25.78	25.96	25.88	27.50	22.78	22.96	22.88	24.50
EDGE 1 Tx slot	26.82	26.97	26.93	27.50	17.82	17.97	17.93	18.50
EDGE 2 Tx slots	24.20	24.32	24.24	25.00	18.20	18.32	18.24	19.00
EDGE 3 Tx slots	22.51	22.58	22.54	23.50	18.25	18.32	18.28	19.24
EDGE 4 Tx slots	21.24	21.32	21.16	22.50	18.24	18.32	18.16	19.50

GSM1900 Ant1 DS13

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)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.08	28.23	28.04	28.50	19.08	19.23	19.04	19.50
GPRS 1 Tx slot	27.98	28.12	28.00	28.50	18.98	19.12	19.00	19.50
GPRS 2 Tx slots	24.21	24.23	24.17	25.00	18.21	18.23	18.17	19.00
GPRS 3 Tx slots	22.38	22.54	22.50	23.50	18.12	18.28	18.24	19.24
GPRS 4 Tx slots	21.22	21.32	21.25	22.00	18.22	18.32	18.25	19.00
EDGE 1 Tx slot	26.10	26.24	26.16	26.80	17.10	17.24	17.16	17.80
EDGE 2 Tx slots	23.37	23.45	23.23	24.10	17.37	17.45	17.23	18.10
EDGE 3 Tx slots	21.76	21.97	21.84	23.10	17.50	17.71	17.58	18.84
EDGE 4 Tx slots	20.51	20.56	20.43	21.30	17.51	17.56	17.43	18.30

WCDMA II Ant1 DS13

WCDMA IV Ant1 DS13

WCDMA V Ant1 Default

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	16.81	16.89	16.71	18.00	19.20	19.32	19.03	20.00	23.93	24.09	24.06	25.50
3GPP Rel 99	RMC 12.2Kbps	16.95	16.97	16.90	18.00	19.25	19.34	19.13	20.00	24.12	24.23	24.18	25.50
3GPP Rel 6	HSDPA Subtest-1	15.96	16.01	15.79	17.00	18.32	18.37	18.06	19.00	23.10	23.22	23.15	24.50
3GPP Rel 6	HSDPA Subtest-2	15.83	15.90	15.71	17.00	18.25	18.37	18.04	19.00	22.94	23.03	22.94	24.50
3GPP Rel 6	HSDPA Subtest-3	15.36	15.48	15.39	16.50	17.79	17.84	17.63	18.50	22.50	22.72	22.59	24.00
3GPP Rel 6	HSDPA Subtest-4	15.36	15.44	15.23	16.50	17.66	17.85	17.72	18.50	22.49	22.59	22.49	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	15.95	16.07	15.88	17.00	18.20	18.39	18.20	19.00	23.02	23.22	23.03	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	15.91	15.85	15.75	17.00	18.30	18.29	18.21	19.00	23.13	23.06	22.94	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	15.36	15.54	15.33	16.50	17.83	17.82	17.66	18.50	22.44	22.71	22.55	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	15.21	15.39	15.33	16.50	17.81	17.83	17.67	18.50	22.32	22.68	22.66	24.00
3GPP Rel 6	HSUPA Subtest-1	15.89	15.98	15.87	17.00	18.21	18.32	18.12	19.00	23.04	23.20	23.04	24.50
3GPP Rel 6	HSUPA Subtest-2	13.80	13.92	13.68	15.00	16.72	16.89	16.71	17.00	21.01	21.22	21.04	22.50
3GPP Rel 6	HSUPA Subtest-3	14.74	14.89	14.58	16.00	17.31	17.32	17.21	18.00	21.92	22.18	21.83	23.50
3GPP Rel 6	HSUPA Subtest-4	13.84	13.86	13.77	15.00	16.70	16.79	16.66	17.00	21.00	21.15	21.00	22.50
3GPP Rel 6	HSUPA Subtest-5	15.86	16.03	16.00	17.00	18.17	18.30	18.06	19.00	23.03	23.23	22.99	24.50



### Band 2 Ant1 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1870	1890	1910		
20	QPSK	1	0	17.24	17.24	17.24	18	0
20	QPSK	1	49	17.08	17.04	17.00		
20	QPSK	1	99	17.18	17.12	17.11		
20	QPSK	50	0	17.01	17.25	17.02		
20	QPSK	50	24	17.06	17.15	17.05	18	0
20	QPSK	50	50	17.02	17.11	17.08		
20	QPSK	100	0	17.05	17.06	17.05		
20	16QAM	1	0	17.07	17.03	17.09		
20	16QAM	1	49	16.94	17.23	16.98	18	0
20	16QAM	1	99	17.17	17.19	17.04		
20	16QAM	50	0	17.13	17.09	16.91		
20	16QAM	50	24	17.03	17.08	16.88	18	0
20	16QAM	50	50	17.14	17.10	17.08		
20	16QAM	100	0	17.12	17.08	16.99		
20	84QAM	1	0	17.17	17.21	16.90		
20	84QAM	1	49	17.18	16.99	17.01	18	0
20	84QAM	1	99	17.11	17.13	16.92		
20	84QAM	50	0	17.09	17.11	17.03		
20	84QAM	50	24	17.07	17.09	16.93	18	0
20	84QAM	50	50	16.93	17.05	16.99		
20	84QAM	100	0	16.97	17.07	17.00		
Channel								
Frequency (MHz)				18675	18900	19125		
15	QPSK	1	0	17.16	17.23	17.01	18	0
15	QPSK	1	37	17.04	16.97	16.89		
15	QPSK	1	74	17.07	17.05	17.05		
15	QPSK	36	20	16.93	17.18	16.98	18	0
15	QPSK	36	20	17.01	17.09	16.95		
15	QPSK	36	39	16.97	17.08	17.05		
15	QPSK	75	0	16.91	17.00	16.95	18	0
15	16QAM	1	0	16.97	16.97	17.01		
15	16QAM	1	37	16.88	17.17	16.89	18	0
15	16QAM	1	74	17.08	17.08	16.97		
15	16QAM	36	0	17.00	17.04	16.84	18	0
15	16QAM	36	20	16.93	16.96	16.98		
15	16QAM	36	39	17.00	17.01	17.03		
15	16QAM	75	0	17.08	17.03	16.94	18	0
15	16QAM	1	0	17.07	17.07	16.78		
15	84QAM	1	37	17.09	16.91	16.94	18	0
15	84QAM	1	74	16.96	16.99	16.83		
15	84QAM	36	0	17.01	17.07	16.99	18	0
15	84QAM	36	20	17.02	17.05	16.86		
15	84QAM	36	39	16.80	16.98	16.96		
15	84QAM	75	0	16.91	17.02	16.95	18	0
Channel								
Frequency (MHz)				18550	18900	19150		
10	QPSK	1	0	17.24	17.17	17.09	18	0
10	QPSK	1	25	16.99	17.01	16.93		
10	QPSK	1	49	17.08	16.97	17.07		
10	QPSK	25	0	16.89	17.13	16.94	18	0
10	QPSK	25	12	17.02	17.06	16.95		
10	QPSK	25	25	16.97	17.04	17.04		
10	QPSK	50	0	17.06	16.94	16.94	18	0
10	16QAM	1	0	17.04	16.97	16.95		
10	16QAM	1	25	16.80	17.11	16.86	18	0
10	16QAM	1	49	17.10	17.11	16.97		
10	16QAM	25	0	17.00	17.05	16.83	18	0
10	16QAM	25	12	16.99	17.03	16.82		
10	16QAM	25	25	17.03	16.95	16.94		
10	16QAM	50	0	17.08	17.02	16.85	18	0
10	84QAM	1	0	17.12	17.10	16.82	18	0
10	84QAM	1	25	17.12	16.90	16.97		
10	84QAM	1	49	17.01	17.00	16.80		
10	84QAM	25	0	17.04	17.05	16.97	18	0
10	84QAM	25	12	16.93	17.04	16.78		
10	84QAM	25	25	16.80	16.95	16.87		
10	84QAM	50	0	16.85	16.94	16.87	18	0
Channel								
Frequency (MHz)				18625	18900	19175		
5	QPSK	1	0	17.23	17.19	17.07	18	0
5	QPSK	1	12	16.96	16.96	16.88		
5	QPSK	1	24	17.03	17.08	17.08		
5	QPSK	12	0	16.93	17.13	16.89	18	0
5	QPSK	12	7	16.97	17.07	16.94		
5	QPSK	12	13	16.92	16.98	16.96		
5	QPSK	25	0	17.01	17.03	16.91	18	0
5	16QAM	1	0	16.97	16.89	17.03		
5	16QAM	1	12	16.89	17.17	16.90	18	0
5	16QAM	1	24	17.11	17.09	16.89		
5	16QAM	12	0	17.12	17.04	16.97	18	0
5	16QAM	12	7	16.99	16.94	16.81		
5	16QAM	12	13	17.05	16.95	16.98		
5	16QAM	25	0	16.99	16.93	16.92	18	0
5	84QAM	1	0	17.05	17.08	16.79		
5	84QAM	1	12	17.10	16.85	16.90	18	0
5	84QAM	1	24	17.01	17.03	16.88		
5	84QAM	12	0	16.98	16.98	16.91	18	0
5	84QAM	12	7	16.87	17.05	16.90		
5	84QAM	12	13	16.89	16.94	16.93		
5	84QAM	25	0	16.91	16.88	16.93	18	0
Channel								
Frequency (MHz)				18615	18900	19185		
3	QPSK	1	0	17.19	17.18	17.01	18	0
3	QPSK	1	8	16.99	17.00	16.89		
3	QPSK	1	14	17.07	17.08	17.03		
3	QPSK	8	0	16.87	17.18	16.88	18	0
3	QPSK	8	4	16.96	17.05	16.94		
3	QPSK	8	7	16.97	16.97	16.97		
3	QPSK	15	0	17.00	16.97	16.90	18	0
3	16QAM	1	0	17.04	16.96	17.05		
3	16QAM	1	8	16.83	17.13	16.84	18	0
3	16QAM	1	14	17.05	17.15	16.90		
3	16QAM	8	0	17.01	16.97	16.86	18	0
3	16QAM	8	4	16.93	16.95	16.82		
3	16QAM	8	7	17.06	16.97	17.02		
3	16QAM	15	0	17.09	16.97	16.92	18	0
3	84QAM	1	0	17.11	17.17	16.79		
3	84QAM	1	8	17.13	16.90	16.93	18	0
3	84QAM	1	14	16.99	16.98	16.80		
3	84QAM	8	0	17.02	17.05	16.96	18	0
3	84QAM	8	4	17.03	16.95	16.78		
3	84QAM	8	7	16.86	16.98	16.90		
3	84QAM	15	0	16.91	16.92	16.87	18	0
Channel								
Frequency (MHz)				18570	18900	19039		
1.4	QPSK	1	0	17.20	17.21	17.06	18	0
1.4	QPSK	1	3	16.98	16.82	16.90		
1.4	QPSK	1	5	17.12	17.00	17.04		
1.4	QPSK	3	0	16.98	17.17	16.98	18	0
1.4	QPSK	3	1	17.03	17.02	16.91		
1.4	QPSK	3	3	16.93	17.02	17.04		
1.4	QPSK	6	0	16.94	17.01	16.91	18	0
1.4	16QAM	1	0	16.99	16.92	16.95		
1.4	16QAM	1	3	16.84	17.11	16.97	18	0
1.4	16QAM	1	5	17.13	17.14	17.01		
1.4	16QAM	3	0	17.09	16.96	16.79	18	0
1.4	16QAM	3	1	16.92	16.94	16.84		
1.4	16QAM	3	3	17.08	16.99	17.02	18	0
1.4	16QAM	6	0	17.04	17.00	16.86		
1.4	84QAM	1	0	17.14	17.15	16.77	18	0
1.4	84QAM	1	3	17.11	16.88	16.88		
1.4	84QAM	1	5	16.97	17.06	16.90	18	0
1.4	84QAM	3	0	17.05	16.98	16.91		
1.4	84QAM	3	1	17.00	16.99	16.87		
1.4	84QAM	3	3	16.84	16.94	16.88	18	0
1.4	84QAM	6	0	16.91	17.00	16.87		

### Band 4 Ant1 DSI4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20050	20175	20300		
20	QPSK	1	0	19.64	19.64	19.68	20	0
20	QPSK	1	49	19.55	19.56	19.48		
20	QPSK	1	99	19.41	19.44	19.39		
20	QPSK	50	0	19.50	19.53	19.50	20	0
20	QPSK	50	24	19.47	19.50	19.32		
20	QPSK	50	50	19.52	19.47	19.47		
20	QPSK	100	0	19.50	19.57	19.47		
20	16QAM	1	0	19.56	19.49	19.43	20	0
20	16QAM	1	49	19.51	19.59	19.40		
20	16QAM	1	99	19				



Band 7 Ant1 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.85	18.00	18.03			
20	QPSK	1	49	17.86	18.01	17.90	19	0	
20	QPSK	1	99	17.77	17.93	17.96			
20	QPSK	50	0	17.72	17.99	17.81			
20	QPSK	50	24	17.77	17.93	17.88	19	0	
20	QPSK	50	50	17.80	17.94	17.87			
20	QPSK	100	0	17.86	17.96	17.86			
20	16QAM	1	0	17.88	17.87	17.82			
20	16QAM	1	49	17.75	18.00	17.83	19	0	
20	16QAM	1	99	17.83	17.93	17.83			
20	16QAM	50	0	17.86	18.03	17.88			
20	16QAM	50	24	17.72	17.90	17.96	19	0	
20	16QAM	50	50	17.84	18.01	17.79			
20	16QAM	100	0	17.73	17.91	17.83			
20	64QAM	1	0	17.72	17.87	17.79			
20	64QAM	1	49	17.73	17.88	17.79	19	0	
20	64QAM	1	99	17.79	17.86	17.81			
20	64QAM	50	0	17.76	17.90	17.89			
20	64QAM	50	24	17.79	17.99	17.81	19	0	
20	64QAM	50	50	17.88	18.03	17.86			
20	64QAM	100	0	17.74	17.95	17.83			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.84	18.00	17.83			
15	QPSK	1	37	17.86	18.03	17.80	19	0	
15	QPSK	1	74	17.85	18.00	17.92			
15	QPSK	36	0	17.85	18.01	17.79			
15	QPSK	36	20	17.81	18.03	17.85	19	0	
15	QPSK	36	39	17.83	17.86	17.95			
15	QPSK	75	0	17.73	17.90	17.93			
15	16QAM	1	0	17.84	18.00	17.82			
15	16QAM	1	37	17.81	17.91	17.90	19	0	
15	16QAM	1	74	17.88	18.00	17.79			
15	16QAM	36	0	17.80	18.00	17.83			
15	16QAM	36	20	17.85	17.94	17.97	19	0	
15	16QAM	36	39	17.82	17.99	17.87			
15	16QAM	75	0	17.76	17.89	17.90			
15	64QAM	1	0	17.86	18.00	17.90			
15	64QAM	1	37	17.87	17.99	17.96	19	0	
15	64QAM	1	74	17.72	17.96	17.83			
15	64QAM	36	0	17.83	17.94	17.80			
15	64QAM	36	20	17.80	17.97	17.95	19	0	
15	64QAM	36	39	17.73	17.92	17.94			
15	64QAM	75	0	17.73	17.94	17.87			
Channel				20950	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.83	17.94	17.82			
10	QPSK	1	25	17.72	18.03	17.83	19	0	
10	QPSK	1	49	17.84	17.97	17.82			
10	QPSK	25	0	17.86	17.89	17.84			
10	QPSK	25	12	17.85	17.92	17.79	19	0	
10	QPSK	25	25	17.82	17.98	17.96			
10	QPSK	50	0	17.88	17.91	17.86			
10	16QAM	1	0	17.77	18.00	17.93			
10	16QAM	1	25	17.80	17.95	17.87	19	0	
10	16QAM	1	49	17.88	17.98	17.86			
10	16QAM	25	0	17.76	17.90	17.84			
10	16QAM	25	12	17.72	17.88	17.89	19	0	
10	16QAM	25	25	17.86	18.02	17.83			
10	16QAM	50	0	17.76	18.03	17.88			
10	64QAM	1	0	17.78	17.94	17.92			
10	64QAM	1	25	17.84	18.00	17.92	19	0	
10	64QAM	1	49	17.79	17.96	17.84			
10	64QAM	25	0	17.88	18.01	17.89			
10	64QAM	25	12	17.84	17.90	17.89	19	0	
10	64QAM	25	25	17.82	17.91	17.80			
10	64QAM	50	0	17.77	18.04	17.94			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.73	17.97	17.81			
5	QPSK	1	12	17.77	18.01	17.92	19	0	
5	QPSK	1	24	17.71	17.88	17.86			
5	QPSK	12	0	17.84	17.97	17.88			
5	QPSK	12	7	17.73	17.87	17.96	19	0	
5	QPSK	12	13	17.87	18.03	17.85			
5	QPSK	25	0	17.72	18.04	17.90			
5	16QAM	1	0	17.87	17.90	17.80			
5	16QAM	1	12	17.76	17.89	17.90	19	0	
5	16QAM	1	24	17.74	17.87	17.86			
5	16QAM	12	0	17.73	18.00	17.91			
5	16QAM	12	7	17.77	17.94	17.95	19	0	
5	16QAM	12	13	17.76	17.98	17.81			
5	16QAM	25	0	17.85	18.01	17.83			
5	64QAM	1	0	17.83	17.98	17.95			
5	64QAM	1	12	17.88	18.03	17.85	19	0	
5	64QAM	1	24	17.75	17.90	17.82			
5	64QAM	12	0	17.76	17.93	17.80			
5	64QAM	12	7	17.80	17.91	17.86	19	0	
5	64QAM	12	13	17.81	17.87	17.81			
5	64QAM	25	0	17.72	17.88	17.96			

Band 12 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				7011	7075	7111			
Frequency (MHz)				23060	23095	23130			
10	QPSK	1	0	24.35	24.50	24.30			
10	QPSK	1	25	24.20	24.30	24.26	25.5	0	
10	QPSK	1	49	24.39	24.38	24.27			
10	QPSK	25	0	23.27	23.37	23.31			
10	QPSK	25	12	23.26	23.26	23.15	24.5	1	
10	QPSK	25	25	23.08	23.15	23.14			
10	QPSK	50	0	23.21	23.32	23.21			
10	16QAM	1	0	23.44	23.50	23.44			
10	16QAM	1	25	23.31	23.38	23.24	24.5	1	
10	16QAM	1	49	23.39	23.38	23.29			
10	16QAM	25	0	22.39	22.56	22.42			
10	16QAM	25	12	22.37	22.46	22.31	23.5	2	
10	16QAM	25	25	22.45	22.54	22.42			
10	16QAM	50	0	22.51	22.57	22.57			
10	64QAM	1	0	22.57	22.60	22.60			
10	64QAM	1	25	22.46	22.55	22.47	23.5	2	
10	64QAM	1	49	22.48	22.50	22.35			
10	64QAM	25	0	21.51	21.57	21.51			
10	64QAM	25	12	21.38	21.45	21.40	22.5	3	
10	64QAM	25	25	21.40	21.45	21.47			
10	64QAM	50	0	21.46	21.48	21.36			
Channel				23035	23095	23155			
Frequency (MHz)				7015	7075	7135			
5	QPSK	1	0	24.32	24.39	24.21			
5	QPSK	1	12	24.15	24.27	24.20	25.5	0	
5	QPSK	1	24	24.28	24.26	24.17			
5	QPSK	12	0	23.13	23.25	23.24			
5	QPSK	12	7	23.19	23.13	23.04	24.5	1	
5	QPSK	12	13	23.01	23.03	23.00			
5	QPSK	25	0	23.16	23.29	23.17			
5	16QAM	1	0	23.34	23.44	23.39			
5	16QAM	1	12	23.19	23.29	23.19	24.5	1	
5	16QAM	1	24	23.24	23.29	23.18			
5	16QAM	12	0	22.25	22.45	22.36			
5	16QAM	12	7	22.30	22.31	22.26	23.5	2	
5	16QAM	12	13	22.30	22.43	22.35			
5	16QAM	25	0	22.45	22.42	22.44			
5	64QAM	1	0	22.45	22.51	22.47			
5	64QAM	1	12	22.36	22.52	22.43	23.5	2	
5	64QAM	1	24	22.36	22.40	22.32			
5	64QAM	12	0	21.45	21.43	21.43			
5	64QAM	12	7	21.24	21.32	21.26	22.5	3	
5	64QAM	12	13	21.27	21.35	21.34			
5	64QAM	25	0	21.40	21.33	21.22			



Band 17 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.31	24.43	24.39			
10	QPSK	1	25	24.30	24.44	24.39	25.5	0	
10	QPSK	1	49	24.24	24.28	24.24			
10	QPSK	25	0	23.49	23.55	23.42			
10	QPSK	25	12	23.41	23.51	23.38	24.5	1	
10	QPSK	25	25	23.50	23.50	23.39			
10	QPSK	50	0	23.36	23.47	23.36			
10	16QAM	1	0	23.45	23.53	23.42			
10	16QAM	1	25	23.41	23.42	23.23	24.5	1	
10	16QAM	1	49	23.30	23.44	23.41			
10	16QAM	25	0	22.51	22.57	22.42			
10	16QAM	25	12	22.43	22.46	22.42			
10	16QAM	25	25	22.33	22.45	22.38	23.5	2	
10	16QAM	50	0	22.45	22.52	22.43			
10	64QAM	1	0	22.59	22.60	22.54			
10	64QAM	1	25	22.48	22.53	22.45	23.5	2	
10	64QAM	1	49	22.56	22.61	22.46			
10	64QAM	25	0	21.40	21.47	21.36			
10	64QAM	25	12	21.42	21.45	21.32	22.5	3	
10	64QAM	25	25	21.40	21.42	21.39			
10	64QAM	50	0	21.51	21.57	21.45			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.15	24.42	24.30			
5	QPSK	1	12	24.19	24.33	24.23	25.5	0	
5	QPSK	1	24	24.14	24.21	24.18			
5	QPSK	12	0	23.36	23.43	23.31			
5	QPSK	12	7	23.32	23.41	23.29	24.5	1	
5	QPSK	12	13	23.30	23.41	23.33			
5	QPSK	25	0	23.16	23.37	23.17			
5	16QAM	1	0	23.35	23.43	23.24			
5	16QAM	1	12	23.27	23.29	23.15	24.5	1	
5	16QAM	1	24	23.20	23.30	23.27			
5	16QAM	12	0	22.44	22.46	22.32			
5	16QAM	12	7	22.24	22.28	22.31	23.5	2	
5	16QAM	12	13	22.19	22.36	22.25			
5	16QAM	25	0	22.28	22.34	22.36			
5	64QAM	1	0	22.45	22.50	22.47			
5	64QAM	1	12	22.40	22.38	22.21	23.5	2	
5	64QAM	1	24	22.42	22.51	22.29			
5	64QAM	12	0	21.33	21.30	21.26			
5	64QAM	12	7	21.30	21.30	21.23	22.5	3	
5	64QAM	12	13	21.22	21.35	21.27			
5	64QAM	25	0	21.32	21.50	21.36			

Band 26 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.50	24.68	24.55			
15	QPSK	1	37	24.48	24.52	24.48	25.5	0	
15	QPSK	1	74	24.52	24.63	24.58			
15	QPSK	36	0	23.49	23.62	23.58			
15	QPSK	36	20	23.47	23.59	23.52	24.5	1	
15	QPSK	36	39	23.44	23.50	23.37			
15	QPSK	75	0	23.48	23.58	23.45			
15	16QAM	1	0	23.64	23.65	23.64			
15	16QAM	1	37	23.49	23.63	23.52	24.5	1	
15	16QAM	1	74	23.51	23.54	23.49			
15	16QAM	36	0	22.61	22.63	22.52			
15	16QAM	36	20	22.50	22.58	22.46	23.5	2	
15	16QAM	36	39	22.56	22.59	22.45			
15	16QAM	75	0	22.50	22.51	22.45			
15	64QAM	1	0	22.60	22.72	22.59			
15	64QAM	1	37	22.49	22.66	22.51	23.5	2	
15	64QAM	1	74	22.52	22.58	22.59			
15	64QAM	36	0	21.57	21.57	21.54			
15	64QAM	36	20	21.47	21.54	21.40	22.5	3	
15	64QAM	36	39	21.56	21.56	21.50			
15	64QAM	75	0	21.43	21.49	21.46			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.45	24.54	24.47			
10	QPSK	1	25	24.42	24.41	24.38	25.5	0	
10	QPSK	1	49	24.49	24.49	24.52			
10	QPSK	25	0	23.43	23.57	23.52			
10	QPSK	25	12	23.33	23.55	23.48	24.5	1	
10	QPSK	25	25	23.31	23.39	23.30			
10	QPSK	50	0	23.43	23.45	23.31			
10	16QAM	1	0	23.50	23.60	23.56			
10	16QAM	1	25	23.45	23.49	23.42	24.5	1	
10	16QAM	1	49	23.39	23.50	23.40			
10	16QAM	25	0	22.57	22.55	22.47			
10	16QAM	25	12	22.43	22.46	22.37	23.5	2	
10	16QAM	25	25	22.50	22.54	22.38			
10	16QAM	50	0	22.40	22.48	22.40			
10	64QAM	1	0	22.51	22.66	22.53			
10	64QAM	1	25	22.35	22.56	22.44	23.5	2	
10	64QAM	1	49	22.48	22.46	22.53			
10	64QAM	25	0	21.50	21.59	21.41			
10	64QAM	25	12	21.40	21.49	21.29	22.5	3	
10	64QAM	25	25	21.44	21.52	21.40			
10	64QAM	50	0	21.35	21.37	21.32			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.40	24.61	24.43			
5	QPSK	1	12	24.45	24.41	24.35	25.5	0	
5	QPSK	1	24	24.40	24.50	24.52			
5	QPSK	12	0	23.44	23.55	23.48			
5	QPSK	12	7	23.41	23.52	23.49	24.5	1	
5	QPSK	12	13	23.34	23.36	23.32			
5	QPSK	25	0	23.43	23.43	23.42			
5	16QAM	1	0	23.45	23.53	23.49	24.5	1	
5	16QAM	1	12	23.35	23.32	23.40			
5	16QAM	1	24	23.42	23.50	23.42			
5	16QAM	12	0	22.51	22.57	22.37			
5	16QAM	12	7	22.44	22.54	22.41	23.5	2	
5	16QAM	12	13	22.52	22.46	22.32			
5	16QAM	25	0	22.37	22.39	22.31			
5	64QAM	1	0	22.52	22.67	22.49	23.5	2	
5	64QAM	1	12	22.30	22.46	22.41			
5	64QAM	1	24	22.37	22.46	22.50			
5	64QAM	12	0	21.49	21.60	21.50			
5	64QAM	12	7	21.35	21.50	21.29	22.5	3	
5	64QAM	12	13	21.45	21.45	21.44			
5	64QAM	25	0	21.29	21.40	21.43			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.46	24.59	24.41			
3	QPSK	1	8	24.38	24.39	24.44	25.5	0	
3	QPSK	1	14	24.39	24.57	24.48			
3	QPSK	8	0	23.42	23.51	23.43			
3	QPSK	8	4	23.44	23.45	23.48	24.5	1	
3	QPSK	8	7	23.30	23.41	23.33			
3	QPSK	15	0	23.43	23.55	23.33			
3	16QAM	1	0	23.57	23.54	23.50			
3	16QAM	1	8	23.42	23.51	23.45	24.5	1	
3	16QAM	1	14	23.41	23.43	23.35			
3	16QAM	8	0	22.57	22.50	22.42			
3	16QAM	8	4	22.43	22.46	22.35	23.5	2	
3	16QAM	8	7	22.46	22.45	22.31			
3	16QAM	15	0	22.40	22.47	22.40			
3	64QAM	1	0	22.46	22.63	22.52			
3	64QAM	1	8	22.45	22.56	22.43	23.5	2	
3	64QAM	1	14	22.37	22.51	22.51			
3	64QAM	8	0	21.48	21.58	21.39			
3	64QAM	8	4	21.36	21.41	21.35	22.5	3	
3	64QAM	8	7	21.42	21.50	21.38			
3	64QAM	15	0	21.34	21.44	21.42			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.42	24.56	24.46			
1.4	QPSK	1	3	24.34	24.41	24.38	25.5	0	
1.4	QPSK	1	5	24.45	24.49	24.50			
1.4	QPSK	3	0	24.35	24.49	24.44			
1.4	QPSK	3	1	24.33	24.47	24.49			
1.4	QPSK	3	3	24.31	24.41				





Band 38 Ant1 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	18.87	19.00	18.92	20	0		
20	QPSK	1	49	18.71	18.91	18.71				
20	QPSK	1	99	18.72	18.76	18.72				
20	QPSK	50	0	18.74	18.85	18.79	20	0		
20	QPSK	50	24	18.80	18.83	18.76				
20	QPSK	50	50	18.71	18.75	18.80				
20	QPSK	100	0	18.70	18.74	18.73	20	0		
20	16QAM	1	0	18.79	18.82	18.79				
20	16QAM	1	49	18.78	18.88	18.81				
20	16QAM	1	99	18.69	18.80	18.74	20	0		
20	16QAM	50	0	18.78	18.79	18.75				
20	16QAM	50	24	18.75	18.92	18.81				
20	16QAM	50	50	18.69	18.82	18.69	20	0		
20	16QAM	100	0	18.81	18.88	18.72				
20	84QAM	1	0	18.64	18.89	18.80				
20	84QAM	1	49	18.69	18.87	18.71	20	0		
20	84QAM	1	99	18.64	18.81	18.78				
20	84QAM	50	0	18.69	18.76	18.79				
20	84QAM	50	24	18.79	18.90	18.82	20	0		
20	84QAM	50	50	18.79	18.80	18.80				
20	84QAM	100	0	18.77	18.78	18.78				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	18.79	18.84	18.72	20	0		
15	QPSK	1	37	18.80	18.82	18.69				
15	QPSK	1	74	18.67	18.84	18.82				
15	QPSK	36	0	18.75	18.91	18.72	20	0		
15	QPSK	36	20	18.66	18.86	18.75				
15	QPSK	36	39	18.77	18.81	18.70				
15	QPSK	75	0	18.75	18.80	18.77	20	0		
15	16QAM	1	0	18.66	18.83	18.68				
15	16QAM	1	37	18.73	18.82	18.71				
15	16QAM	1	74	18.76	18.89	18.80	20	0		
15	16QAM	36	0	18.73	18.83	18.77				
15	16QAM	36	20	18.70	18.88	18.78				
15	16QAM	36	39	18.74	18.86	18.82	20	0		
15	16QAM	75	0	18.74	18.80	18.81				
15	84QAM	1	0	18.65	18.93	18.85				
15	84QAM	1	37	18.74	18.90	18.81	20	0		
15	84QAM	1	74	18.80	18.83	18.82				
15	84QAM	36	0	18.79	18.85	18.73				
15	84QAM	36	20	18.67	18.90	18.78	20	0		
15	84QAM	36	39	18.77	18.94	18.68				
15	84QAM	75	0	18.66	18.93	18.84				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	18.72	18.78	18.73	20	0		
10	QPSK	1	25	18.68	18.79	18.84				
10	QPSK	1	49	18.80	18.92	18.68				
10	QPSK	25	0	18.79	18.91	18.79	20	0		
10	QPSK	25	12	18.79	18.93	18.71				
10	QPSK	25	25	18.74	18.86	18.73				
10	QPSK	50	0	18.69	18.85	18.77	20	0		
10	16QAM	1	0	18.74	18.84	18.79				
10	16QAM	1	25	18.65	18.87	18.85				
10	16QAM	1	49	18.81	18.84	18.70	20	0		
10	16QAM	25	0	18.79	18.88	18.70				
10	16QAM	25	12	18.76	18.91	18.75				
10	16QAM	25	25	18.71	18.84	18.84	20	0		
10	16QAM	50	0	18.78	18.79	18.79				
10	84QAM	1	0	18.72	18.82	18.68				
10	84QAM	1	25	18.63	18.76	18.74	20	0		
10	84QAM	1	49	18.74	18.77	18.79				
10	84QAM	25	0	18.80	18.79	18.82				
10	84QAM	25	12	18.74	18.89	18.75	20	0		
10	84QAM	25	25	18.73	18.84	18.72				
10	84QAM	50	0	18.73	18.91	18.81				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	18.76	18.91	18.70	20	0		
5	QPSK	1	12	18.81	18.86	18.69				
5	QPSK	1	24	18.69	18.79	18.69				
5	QPSK	12	0	18.68	18.92	18.71	20	0		
5	QPSK	12	7	18.63	18.94	18.81				
5	QPSK	12	13	18.73	18.85	18.81				
5	QPSK	25	0	18.74	18.92	18.79	20	0		
5	16QAM	1	0	18.76	18.81	18.85				
5	16QAM	1	12	18.67	18.82	18.85				
5	16QAM	1	24	18.65	18.94	18.77	20	0		
5	16QAM	12	0	18.78	18.94	18.77				
5	16QAM	12	7	18.80	18.83	18.84				
5	16QAM	12	13	18.69	18.79	18.79	20	0		
5	16QAM	25	0	18.74	18.89	18.77				
5	84QAM	1	0	18.81	18.84	18.76				
5	84QAM	1	12	18.64	18.85	18.72	20	0		
5	84QAM	1	24	18.69	18.87	18.84				
5	84QAM	12	0	18.72	18.90	18.80				
5	84QAM	12	7	18.64	18.93	18.82	20	0		
5	84QAM	12	13	18.66	18.91	18.74				
5	84QAM	25	0	18.74	18.90	18.71				

Band 41 Ant1 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.79	18.82	19.06	18.95	19.01	20	0
20	QPSK	1	49	18.59	18.59	18.85	18.86	18.93		
20	QPSK	1	99	18.69	18.62	18.83	18.85	18.84		
20	QPSK	50	0	18.67	18.72	18.89	18.84	18.83	20	0
20	QPSK	50	24	18.67	18.68	18.81	18.84	18.85		
20	QPSK	50	50	18.60	18.70	18.88	18.75	18.78		
20	QPSK	100	0	18.66	18.63	18.76	18.71	18.61	20	0
20	16QAM	1	0	18.61	18.60	18.96	18.75	18.81		
20	16QAM	1	49	18.58	18.63	18.90	18.73	18.78		
20	16QAM	1	99	18.71	18.63	18.88	18.71	18.89	20	0
20	16QAM	50	0	18.71	18.70	18.99	18.77	18.81		
20	16QAM	50	24	18.71	18.66	18.95	18.83	18.84		
20	16QAM	50	50	18.73	18.73	19.00	18.73	18.92	20	0
20	16QAM	100	0	18.63	18.73	18.92	18.77	18.83		
20	84QAM	1	0	18.71	18.75	18.97	18.87	18.91		
20	84QAM	1	49	18.56	18.69	18.85	18.86	18.87	20	0
20	84QAM	1	99	18.60	18.68	18.93	18.81	18.86		
20	84QAM	50	0	18.65	18.69	18.87	18.73	18.81		
20	84QAM	50	24	18.70	18.64	18.93	18.88	18.85	20	0
20	84QAM	50	50	18.59	18.73	18.82	18.88	18.90		
20	84QAM	100	0	18.72	18.72	18.85	18.88	18.90		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5		
15	QPSK	1	0	18.63	18.69	18.90	18.84	18.95	20	0
15	QPSK	1	37	18.60	18.71	18.93	18.77	18.95		
15	QPSK	1	74	18.61	18.62	18.86	18.83	18.80		
15	QPSK	36	0	18.67	18.69	18.84	18.74	18.95	20	0
15	QPSK	36	20	18.68	18.58	18.82	18.88	18.89		
15	QPSK	36	39	18.64	18.69	18.86	18.87	18.84		
15	QPSK	75	0	18.61	18.68	18.86	18.72	18.85	20	0
15	16QAM	1	0	18.63	18.73	18.99	18.73	18.83		
15	16QAM	1	37	18.64	18.68	18.97	18.86	18.94		
15	16QAM	1	74	18.72	18.65	18.92	18.83	18.84	20	0
15	16QAM	36	0	18.59	18.74	18.91	18.82	18.89		
15	16QAM	36	20	18.65	18.69	18.88	18.82	18.91		
15	16QAM	36	39	18.59	18.75	18.97	18.81	18.86	20	0
15	16QAM	75	0	18.62	18.60	18.82	18.84	18.94		
15	84QAM	1	0	18.65	18.67	18.91	18.75	18.84		
15	84QAM	1	37	18.60	18.66	18.98	18.76	18.81	20	0
15	84QAM	1	74	18.62	18.66	18.83	18.75	18.92		
15	84QAM	36	0	18.72	18.72	18.91	18.85	18.94		
15	84QAM	36	20	18.59	18.68	18.95	18.74	18.81	20	0
15	84QAM	36	39	18.59	18.60	18.87	18.80			





## Uplink CA Power

Ant 0 Full

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.23	25.00
21100	21298	QPSK	1	99	1	0	23.33	25.00
21350	21152	QPSK	1	0	1	99	23.31	25.00

Ant 0 Full&DSI2

CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	24.07	25.50	
37901	38099	QPSK	1	99	1	0	24.21	25.50	
38150	37952	QPSK	1	0	1	99	24.11	25.50	

Ant 1 Full&DSI2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.50	25.00
21100	21298	QPSK	1	99	1	0	23.53	25.00
21350	21152	QPSK	1	0	1	99	23.48	25.00
20850	21048	QPSK	50	50	50	0	23.48	25.00
21100	21298	QPSK	50	50	50	0	23.51	25.00
21350	21152	QPSK	50	0	50	50	23.47	25.00

Ant 1 Full&DSI2

CA_38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	1	99	1	0	24.18	25.50	
37901	38099	QPSK	1	99	1	0	24.25	25.50	
38150	37952	QPSK	1	0	1	99	24.16	25.50	



Ant 0 DSI2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.63	24.00
21100	21298	QPSK	1	99	1	0	22.68	24.00
21350	21152	QPSK	1	0	1	99	22.57	24.00

Ant 0 DSI4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.46	19.00
21100	21298	QPSK	1	99	1	0	17.60	19.00
21350	21152	QPSK	1	0	1	99	17.54	19.00

Ant 1 DSI1

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.87	17.00
21100	21298	QPSK	1	99	1	0	16.09	17.00
21350	21152	QPSK	1	0	1	99	15.95	17.00
20850	21048	QPSK	50	50	50	0	15.89	17.00
21100	21298	QPSK	50	50	50	0	16.01	17.00
21350	21152	QPSK	50	0	50	50	15.91	17.00

Ant 1 DSI4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.97	19.00
21100	21298	QPSK	1	99	1	0	18.03	19.00
21350	21152	QPSK	1	0	1	99	17.90	19.00
20850	21048	QPSK	50	50	50	0	17.82	19.00
21100	21298	QPSK	50	50	50	0	18.00	19.00
21350	21152	QPSK	50	0	50	50	17.87	19.00

Ant 0 DSI4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.77	21.00
37901	38099	QPSK	1	99	1	0	19.87	21.00
38150	37952	QPSK	1	0	1	99	19.79	21.00

Ant 1 DSI1

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	16.85	18.00
37901	38099	QPSK	1	99	1	0	16.95	18.00
38150	37952	QPSK	1	0	1	99	16.84	18.00

Ant 1 DSI4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	18.75	20.00
37901	38099	QPSK	1	99	1	0	18.76	20.00
38150	37952	QPSK	1	0	1	99	17.72	20.00



2CA DL

CA List	PCC							SCC				Power				
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW	DL Freq. (MHz)	DL	DL Antenna Configuration	With CA Tx Power (dBm)	Without CA Tx Power (dBm)	
CA_2C	Band 2	Av00	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		24.08	24.13
	Band 2	Av11	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		24.09	24.20
CA_2A-2A	Band 2	Av00	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		24.02	24.13
	Band 2	Av11	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		24.02	24.20
CA_2A-4A	Band 2	Av00	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		23.90	24.13
	Band 2	Av11	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		24.06	24.20
	Band 4	Av00	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		23.84	24.02
	Band 4	Av11	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		24.19	24.33
CA_2A-5A	Band 2	Av00	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		23.94	24.13
	Band 2	Av11	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		24.00	24.20
	Band 5	Av00	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.21	24.32
	Band 5	Av11	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.16	24.31
CA_2A-7A	Band 2	Av00	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100		24.07	24.13
	Band 2	Av11	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100		24.02	24.20
	Band 7	Av00	20M	2535	21100	QPSK	1	0		Band 2	20M	1960	900		23.55	23.72
	Band 7	Av11	20M	2535	21100	QPSK	1	0		Band 2	20M	1960	900		23.89	23.99
CA_4A-5A	Band 4	Av00	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.85	24.02
	Band 4	Av11	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		24.16	24.33
	Band 5	Av00	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.17	24.32
	Band 5	Av11	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		24.16	24.31
CA_4A-7A	Band 4	Av00	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100		23.82	24.02
	Band 4	Av11	20M	1732.5	20175	QPSK	1	0		Band 7	20M	2655	3100		24.22	24.33
	Band 7	Av00	20M	2535	21100	QPSK	1	0		Band 4	20M	2132.5	2175		23.61	23.72
	Band 7	Av11	20M	2535	21100	QPSK	1	0		Band 4	20M	2132.5	2175		23.92	23.99
CA_5A-7A	Band 5	Av00	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100		24.14	24.32
	Band 5	Av11	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100		24.18	24.31
	Band 7	Av00	20M	2535	21100	QPSK	1	0		Band 5	10M	881.5	2525		23.63	23.72
	Band 7	Av11	20M	2535	21100	QPSK	1	0		Band 5	10M	881.5	2525		23.87	23.99
CA_5A-41A	Band 5	Av00	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620		24.22	24.32
	Band 5	Av11	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620		24.22	24.31
CA_7C	Band 7	Av00	20M	2535	21100	QPSK	1	0		Band 7	20M	2544.8	3298		23.60	23.72
	Band 7	Av11	20M	2535	21100	QPSK	1	0		Band 7	20M	2544.8	3298		23.90	23.99
CA_7A-7A	Band 7	Av00	20M	2535	21100	QPSK	1	0		Band 7	5M	2687.5	3425		23.54	23.72
	Band 7	Av11	20M	2535	21100	QPSK	1	0		Band 7	5M	2687.5	3425		23.86	23.99
CA_12A-66A	Band 12	Av00	10M	707.5	23095	QPSK	1	0		Band 66	20M	2156	66986		24.32	24.47
	Band 12	Av11	10M	707.5	23095	QPSK	1	0		Band 66	20M	2156	66986		24.37	24.50
	Band 66	Av00	20M	1745	132322	QPSK	1	0		Band 12	10M	737.5	5095		23.92	24.04
	Band 66	Av11	20M	1745	132322	QPSK	1	0		Band 12	10M	737.5	5095		24.29	24.36
CA_38C	Band 38	Av00	20M	2580	37850	QPSK	1	0		Band 38	20M	2599.8	38048		24.05	24.23
	Band 38	Av11	20M	2580	37850	QPSK	1	0		Band 38	20M	2599.8	38048		24.31	24.41
CA_41C	Band 41	Av00	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		24.22	24.29
	Band 41	Av11	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		24.29	24.46
CA_41A-41A	Band 41	Av00	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		24.19	24.29
	Band 41	Av11	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		24.33	24.46
CA_66B	Band 66	Av00	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		23.85	24.04
	Band 66	Av11	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		24.20	24.36
CA_66C	Band 66	Av00	20M	1745	132322	QPSK	1	0		Band 66	20M	2164.8	66984		23.86	24.04
	Band 66	Av11	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		24.29	24.36
CA_66A-66A	Band 66	Av00	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		23.92	24.04
	Band 66	Av11	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		24.28	24.36



## WLAN/Bluetooth Power

2.4GHz WLAN				Ant 3 Receiver Off		for Head Receiver On		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.83	20.00	17.34	18.50	97.80
		6	2437	18.56	20.00	17.14	18.50	
		11	2462	18.69	20.00	17.22	18.50	
	802.11g 6Mbps	1	2412	17.74	18.50		18.50	96.97
		6	2437	17.52	18.50		18.50	
		11	2462	16.33	17.50		17.50	
802.11n-HT20 MCS0	1	2412	17.62	18.50		18.50	96.77	
	6	2437	17.51	18.50		18.50		
	11	2462	15.25	16.50		16.50		

5.2GHz WLAN				Ant 3 Receiver Off		for Head Receiver On		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.12	15.00		14.50	97.46
		40	5200	13.92	15.00		14.50	
		44	5220	13.77	15.00		14.50	
		48	5240	13.83	15.00		14.50	
	802.11n-HT20 MCS0	36	5180	13.78	15.00		14.50	97.30
		40	5200	13.86	15.00		14.50	
		44	5220	13.54	14.50		14.50	
	802.11n-HT40 MCS0	48	5240	13.48	14.50		14.50	94.68
		38	5190	13.96	15.00	13.58	14.50	
	802.11ac-VHT20 MCS0	46	5230	13.75	15.00	13.47	14.50	97.31
		36	5180	13.82	15.00		14.50	
		40	5200	13.90	15.00		14.50	
44		5220	13.57	14.50		14.50		
802.11ac-VHT40 MCS0	48	5240	13.53	14.50		14.50	94.74	
	38	5190	13.99	15.00		14.50		
802.11ac-VHT80 MCS0	46	5230	13.81	15.00		14.50	89.24	

5.3GHz WLAN				Ant 3 Receiver Off		for Head Receiver On		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.76	15.00		14.50	97.46
		56	5280	13.59	15.00		14.50	
		60	5300	13.46	15.00		14.50	
		64	5320	13.40	15.00		14.50	
	802.11n-HT20 MCS0	52	5260	13.68	15.00		14.50	97.30
		56	5280	13.45	15.00		14.50	
		60	5300	13.28	14.50		14.50	
	802.11n-HT40 MCS0	64	5320	13.41	14.50		14.50	94.68
		54	5270	13.55	15.00		14.50	
	802.11ac-VHT20 MCS0	62	5310	13.56	15.00		14.50	97.31
		52	5260	13.70	15.00		14.50	
		56	5280	13.48	15.00		14.50	
		60	5300	13.31	14.50		14.50	
	802.11ac-VHT40 MCS0	64	5320	13.44	14.50		14.50	94.74
		54	5270	13.62	15.00		14.50	
	802.11ac-VHT80 MCS0	62	5310	13.58	15.00		14.50	89.24
802.11ac-VHT80 MCS0	58	5290	13.63	15.00	13.48	14.50	89.24	

5.5GHz WLAN				Ant 3 Receiver Off		for Head Receiver On		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	12.77	13.50		12.50	97.46
		116	5580	12.59	13.50		12.50	
		124	5620	12.46	13.50		12.50	
		132	5660	12.60	13.50		12.50	
		140	5700	12.67	13.50		12.50	
	802.11n-HT20 MCS0	100	5500	12.40	13.50		12.50	97.30
		116	5580	12.30	13.50		12.50	
		124	5620	12.25	13.50		12.50	
		132	5660	12.36	13.50		12.50	
		140	5700	12.47	13.50		12.50	
	802.11n-HT40 MCS0	102	5510	12.97	14.00		12.50	94.68
		110	5550	12.80	14.00		12.50	
		126	5630	12.68	14.00		12.50	
		134	5670	12.80	14.00		12.50	
	802.11ac-VHT20 MCS0	100	5500	12.44	13.50		12.50	97.31
		116	5580	12.31	13.50		12.50	
		124	5620	12.28	13.50		12.50	
		132	5660	12.40	13.50		12.50	
	802.11ac-VHT40 MCS0	140	5700	12.51	13.50		12.50	94.74
		102	5510	13.01	14.00		12.50	
110		5550	12.82	14.00		12.50		
126		5630	12.71	14.00		12.50		
802.11ac-VHT80 MCS0	134	5670	12.84	14.00		12.50	89.24	
	106	5530	11.55	12.50	11.55	12.50		
	122	5610	12.41	13.50	11.48	12.50		

5.8GHz WLAN				Ant 3 Receiver Off		for Head Receiver On		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.72	14.50		13.00	97.46
		157	5785	13.77	14.50		13.00	
		165	5825	13.49	14.50		13.00	
	802.11n-HT20 MCS0	149	5745	13.63	14.50		13.00	97.30
		157	5785	13.57	14.50		13.00	
		165	5825	13.33	14.50		13.00	
	802.11n-HT40 MCS0	151	5755	14.08	15.00		13.00	94.68
		159	5795	13.85	15.00		13.00	
	802.11ac-VHT20 MCS0	149	5745	13.68	14.50		13.00	97.31
		157	5785	13.60	14.50		13.00	
		165	5825	13.36	14.50		13.00	
	802.11ac-VHT40 MCS0	151	5755	14.09	15.00		13.00	94.74
		159	5795	13.89	15.00		13.00	
	802.11ac-VHT80 MCS0	155	5775	13.63	14.50	12.32	13.00	89.24

**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.81	3.68	3.65
	CH 39	2441	11.11	3.83	3.83
	CH 78	2480	10.88	4.27	4.29
Tune-up Limit			12.5	5	5

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-1.58
	CH 19	2440	-1.63
	CH 39	2480	-1.82
Tune-up Limit			0