

Full & Default Power Mode

GSM850 Ant1 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)	924.2	930.4	948.8	924.2	930.4	948.8	924.2	930.4	948.8
GSM 1 Tx slot	32.24	32.41	32.57	33.50	33.24	33.41	33.57	34.50	
GPRS 1 Tx slot	32.28	32.49	32.63	33.50	33.28	33.49	33.63	34.50	
GPRS 2 Tx slots	29.81	29.88	30.09	30.50	23.81	23.88	24.09	24.50	
GPRS 3 Tx slots	27.84	27.62	27.63	28.50	23.38	23.36	23.57	24.24	
GPRS 4 Tx slots	26.45	26.74	26.71	27.50	23.45	23.74	23.71	24.50	
EDGE 1 Tx slot	26.80	26.74	26.75	28.00	17.80	17.74	17.75	19.00	
EDGE 2 Tx slots	24.21	24.12	24.30	25.00	18.21	18.12	18.30	19.00	
EDGE 3 Tx slots	22.13	22.06	22.08	23.00	17.87	17.80	17.82	18.74	
EDGE 4 Tx slots	20.73	20.78	20.98	22.00	17.73	17.78	17.98	19.00	

GSM1900 Ant1 Default									
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	861	810		512	861	810		
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860	1909.8
GSM 1 Tx slot	28.78	29.04	29.21	30.50	19.78	20.04	20.21	21.50	
GPRS 1 Tx slot	28.78	29.03	29.16	30.50	19.78	20.03	20.16	21.50	
GPRS 2 Tx slots	26.01	26.26	26.42	27.50	20.01	20.26	20.42	21.50	
GPRS 3 Tx slots	24.26	24.21	24.58	25.00	20.00	19.95	20.32	21.24	
GPRS 4 Tx slots	23.15	23.44	23.41	24.50	20.15	20.44	20.41	21.50	
EDGE 1 Tx slot	25.84	25.76	26.13	27.00	16.84	16.76	17.13	18.00	
EDGE 2 Tx slots	22.70	22.53	22.86	24.00	16.70	16.53	16.96	18.00	
EDGE 3 Tx slots	20.97	20.71	21.12	22.00	16.71	16.45	16.86	17.74	
EDGE 4 Tx slots	20.04	20.06	20.19	21.00	17.04	17.06	17.19	18.00	

Band	TX Channel	WCDMA II Ant1 Default			Tune-up Limit (dBm)	WCDMA IV Ant1 Default			Tune-up Limit (dBm)	WCDMA V Ant1 Default			Tune-up Limit (dBm)
		9682	9400	9538		1312	1413	1513		4132	4182	4233	
	Rx Channel	9682	9600	9938		1537	1638	1738		4357	4407	4458	
	Frequency (MHz)	1852.4	1860	1909.8		1772.4	1782.2	1832.8		386.4	393.4	398.8	
3GPP Rel 9E	AMR 12.2Kbps	23.46	23.58	23.54	25.00	23.54	23.71	23.58	25.00	23.55	23.68	23.81	25.00
3GPP Rel 9E	RMC 12.2Kbps	23.54	23.65	23.64	25.00	23.76	23.77	23.67	25.00	23.58	23.69	23.65	25.00
3GPP Rel 6	HSDPA Subtest-1	22.48	22.55	22.53	24.00	22.64	22.79	22.75	24.00	22.68	22.75	22.71	24.00
3GPP Rel 6	HSDPA Subtest-2	22.50	22.53	22.41	24.00	22.59	22.70	22.64	24.00	22.63	22.66	22.66	24.00
3GPP Rel 6	HSDPA Subtest-3	21.95	22.08	22.06	23.50	22.15	22.25	22.15	23.50	22.15	22.19	22.19	23.50
3GPP Rel 6	HSDPA Subtest-4	21.93	22.05	21.93	23.50	22.13	22.19	22.13	23.50	22.12	22.21	22.11	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.42	22.50	22.51	24.00	22.66	22.69	22.60	24.00	22.63	22.68	22.68	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.41	22.45	22.41	24.00	22.57	22.65	22.63	24.00	22.54	22.58	22.53	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.92	22.06	21.96	23.50	22.05	22.20	22.05	23.50	22.02	22.19	22.03	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.87	21.99	21.91	23.50	22.01	22.06	22.08	23.50	22.00	22.14	22.04	23.50
3GPP Rel 6	HSUPA Subtest-1	22.36	22.41	22.39	24.00	22.47	22.60	22.57	24.00	22.49	22.62	22.60	24.00
3GPP Rel 6	HSUPA Subtest-2	20.46	20.61	20.55	22.00	20.84	20.71	20.62	22.00	20.69	20.77	20.61	22.00
3GPP Rel 6	HSUPA Subtest-3	21.58	21.68	21.58	23.00	21.72	21.81	21.76	23.00	21.72	21.73	21.75	23.00
3GPP Rel 6	HSUPA Subtest-4	20.38	20.55	20.38	22.00	20.55	20.68	20.58	22.00	20.59	20.69	20.60	22.00
3GPP Rel 6	HSUPA Subtest-5	22.39	22.47	22.38	24.00	22.58	22.65	22.57	24.00	22.59	22.63	22.64	24.00
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	19.98	20.13	20.06	21.00	20.22	20.34	20.26	21.50	20.18	20.36	20.20	21.50



Band 2 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.14	24.27	24.05				
20	QPSK	1	49	24.05	24.18	23.90	25.5	0		
20	QPSK	1	99	24.01	24.24	23.97				
20	QPSK	50	0	23.18	23.25	23.16				
20	QPSK	50	24	23.04	23.21	23.04	24.5	1		
20	QPSK	50	60	23.05	23.11	23.08				
20	QPSK	100	0	23.20	23.26	23.13				
20	16QAM	1	0	22.99	23.03	22.96				
20	16QAM	1	49	22.98	22.93	22.91	24.5	1		
20	16QAM	1	99	22.89	22.88	22.84				
20	16QAM	50	0	22.19	22.33	22.22				
20	16QAM	50	24	22.05	22.28	22.11				
20	16QAM	50	60	22.09	22.26	22.13	23.5	2		
20	16QAM	100	0	22.19	22.25	22.11				
20	64QAM	1	0	22.04	22.15	22.05				
20	64QAM	1	49	21.98	22.11	21.97	23.5	2		
20	64QAM	1	99	21.83	22.01	22.00				
20	64QAM	50	0	21.18	21.32	21.10				
20	64QAM	50	24	21.14	21.21	21.12	22.5	3		
20	64QAM	50	60	21.11	21.24	21.10				
20	64QAM	100	0	21.01	21.11	21.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.06	24.22	23.96				
15	QPSK	1	37	23.83	24.15	23.79	25.5	0		
15	QPSK	1	74	23.80	24.19	23.78				
15	QPSK	36	0	23.06	23.19	23.07				
15	QPSK	36	20	22.92	22.89	22.97	24.5	1		
15	QPSK	36	39	23.01	22.92	22.97				
15	QPSK	75	0	23.04	23.22	23.07				
15	16QAM	1	0	22.28	22.28	22.28				
15	16QAM	1	37	22.93	22.74	22.87	24.5	1		
15	16QAM	1	74	22.86	22.81	22.76				
15	16QAM	36	0	22.11	22.29	22.08				
15	16QAM	36	20	21.97	22.15	22.05	23.5	2		
15	16QAM	36	39	21.89	22.14	21.95				
15	16QAM	75	0	22.04	22.22	21.93				
15	16QAM	75	0	21.87	21.98	21.91	23.5	2		
15	64QAM	1	37	21.89	22.00	21.79				
15	64QAM	1	74	21.77	21.83	21.85				
15	64QAM	36	0	21.00	21.23	21.11				
15	64QAM	36	20	20.92	21.16	21.03	22.5	3		
15	64QAM	36	39	21.00	21.05	20.95				
15	64QAM	75	0	20.90	20.98	20.98				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.01	24.20	23.96				
10	QPSK	1	25	23.87	24.09	23.87	25.5	0		
10	QPSK	1	49	23.98	24.10	23.89				
10	QPSK	25	0	23.14	23.07	22.98				
10	QPSK	25	12	22.95	22.98	22.92	24.5	1		
10	QPSK	25	25	22.98	23.00	22.93				
10	QPSK	50	0	22.98	23.13	23.06				
10	16QAM	1	0	22.78	22.92	22.89				
10	16QAM	1	25	22.83	22.83	22.81	24.5	1		
10	16QAM	1	49	22.78	22.72	22.71				
10	16QAM	25	0	22.01	22.12	22.19				
10	16QAM	25	12	21.92	22.06	21.96	23.5	2		
10	16QAM	25	25	21.95	22.10	22.05				
10	16QAM	50	0	22.03	22.06	22.04				
10	64QAM	1	0	21.88	21.95	21.88				
10	64QAM	1	25	21.87	21.99	21.80	23.5	2		
10	64QAM	1	49	21.75	21.97	21.80				
10	64QAM	25	0	21.06	21.26	21.07				
10	64QAM	25	12	20.95	21.05	20.97	22.5	3		
10	64QAM	25	25	20.95	21.07	20.98				
10	64QAM	50	0	20.92	20.97	20.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.03	24.12	23.92				
5	QPSK	1	12	23.84	24.13	23.83	25.5	0		
5	QPSK	1	24	23.82	24.20	23.85				
5	QPSK	12	0	23.13	23.09	23.13				
5	QPSK	12	7	22.85	22.93	22.99	24.5	1		
5	QPSK	12	13	22.88	23.03	22.93				
5	QPSK	25	0	23.00	23.16	23.00				
5	16QAM	1	0	22.28	22.28	22.28				
5	16QAM	1	12	22.93	22.76	22.82	24.5	1		
5	16QAM	1	24	22.85	22.69	22.77				
5	16QAM	12	0	22.03	22.25	22.03				
5	16QAM	12	7	21.95	22.09	22.06	23.5	2		
5	16QAM	12	13	21.90	22.06	22.04				
5	16QAM	25	0	22.06	22.16	21.94				
5	16QAM	25	0	22.00	22.10	21.90	23.5	2		
5	64QAM	1	12	21.76	21.98	21.80				
5	64QAM	1	24	21.77	21.85	21.91				
5	64QAM	12	0	20.97	21.27	21.12				
5	64QAM	12	7	20.99	21.15	21.06	22.5	3		
5	64QAM	12	13	21.04	21.04	20.99				
5	64QAM	25	0	20.92	20.90	20.99				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.02	24.12	23.90				
3	QPSK	1	8	23.93	24.11	23.86	25.5	0		
3	QPSK	1	14	23.92	24.17	23.87				
3	QPSK	8	0	22.98	23.12	23.06				
3	QPSK	8	4	22.93	23.02	22.99	24.5	1		
3	QPSK	8	7	22.83	22.96	22.88				
3	QPSK	15	0	23.10	23.11	23.05				
3	16QAM	1	0	22.84	22.84	22.83				
3	16QAM	1	8	22.86	22.84	22.84	24.5	1		
3	16QAM	8	0	22.08	22.16	22.14				
3	16QAM	8	4	21.85	22.12	22.00	23.5	2		
3	16QAM	8	7	21.95	22.18	22.03				
3	16QAM	15	0	21.99	22.11	21.92				
3	64QAM	1	0	21.98	21.99	21.84				
3	64QAM	1	8	21.82	21.99	21.83	23.5	2		
3	64QAM	1	14	21.91	21.93	21.94				
3	64QAM	8	0	21.12	21.20	21.02				
3	64QAM	8	4	20.93	21.16	21.01	22.5	3		
3	64QAM	8	7	20.94	21.02	21.06				
3	64QAM	15	0	20.97	20.90	20.91				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.93	24.07	23.89				
1.4	QPSK	1	3	23.96	24.13	23.71	25.5	0		
1.4	QPSK	1	5	23.94	24.02	23.90				
1.4	QPSK	3	0	24.03	24.05	23.83				
1.4	QPSK	3	1	24.01	23.97	23.79				
1.4	QPSK	3	3	23.86	24.07	23.91	24.5	1		
1.4	QPSK	6	0	23.08	23.14	23.09				
1.4	16QAM	1	0	23.01	23.02	22.99				
1.4	16QAM	1	3	22.98	23.03	22.94	24.5	1		
1.4	16QAM	1	5	23.00	23.11	23.08				
1.4	16QAM	3	0	22.01	22.84	22.88				
1.4	16QAM	3	1	22.74	22.71	22.71	24.5	1		
1.4	16QAM	3	3	22.81	22.80	22.82				
1.4	16QAM	6	0	22.09	22.20	22.05	23.5	2		
1.4	64QAM	1	0	21.89	22.20	22.03				
1.4	64QAM	1	3	21.97	22.19	22.01				
1.4	64QAM	1	5	22.06	22.09	21.91	23.5	2		
1.4	64QAM	3	0	22.01	21.96	21.87				
1.4	64QAM	3	1	21.88	22.08	22.05				
1.4	64QAM	3	3	22.02	22.04	22.08	22.5	3		
1.4	64QAM	6	0	20.98	20.99	20.98				

Band 4 Ant1 Default										
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Band 13 Ant1 Default										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.34	24.19	24.13				
10	QPSK	1	25	24.31			25.5	0		
10	QPSK	1	49	24.23						
10	QPSK	25	0	23.31						
10	QPSK	25	12	23.16			24.5	1		
10	QPSK	25	25	23.27						
10	QPSK	50	0	23.32						
10	16QAM	1	0	23.31						
10	16QAM	1	25	23.18			24.5	1		
10	16QAM	1	49	23.28						
10	16QAM	25	0	22.31						
10	16QAM	25	12	22.17			23.5	2		
10	16QAM	25	25	22.26						
10	16QAM	50	0	22.36						
10	64QAM	1	0	22.23						
10	64QAM	1	25	22.10			23.5	2		
10	64QAM	1	49	22.20						
10	64QAM	25	0	21.37						
10	64QAM	25	12	21.31			22.5	3		
10	64QAM	25	25	21.26						
10	64QAM	50	0	21.29						
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.15	24.19	24.13				
5	QPSK	1	12	24.20	24.14	24.13				
5	QPSK	1	24	24.08	24.19	24.07				
5	QPSK	12	0	23.24	23.13	23.27				
5	QPSK	12	7	22.97	23.10	23.07	24.5	1		
5	QPSK	12	13	23.21	23.18	23.24				
5	QPSK	25	0	23.19	23.10	23.28				
5	16QAM	1	0	23.12	23.12	23.27				
5	16QAM	1	12	22.98	23.15	23.15	24.5	1		
5	16QAM	1	24	23.23	23.21	23.12				
5	16QAM	12	0	22.14	22.10	22.20				
5	16QAM	12	7	22.14	22.11	21.99	23.5	2		
5	16QAM	12	13	22.16	22.22	22.12				
5	16QAM	25	0	22.31	22.30	22.31				
5	64QAM	1	0	22.02	22.06	22.20				
5	64QAM	1	12	21.96	22.03	21.96	23.5	2		
5	64QAM	1	24	22.15	22.04	22.11				
5	64QAM	12	0	21.24	21.29	21.32				
5	64QAM	12	7	21.22	21.09	21.21	22.5	3		
5	64QAM	12	13	21.09	21.14	21.12				
5	64QAM	25	0	21.23	21.23	21.19				

Band 26 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26795					
Frequency (MHz)				821.5					
15	QPSK	1	0	24.02	24.41	24.19			
15	QPSK	1	37	23.92	24.29	24.14	25.5	0	
15	QPSK	1	74	23.97	24.28	24.08			
15	QPSK	36	0	22.98	23.11	23.06			
15	QPSK	36	20	22.97	23.00	23.00	24.5	1	
15	QPSK	36	39	22.86	22.97	23.01			
15	QPSK	75	0	23.01	23.15	23.14			
15	16QAM	1	0	23.02	23.17	23.11			
15	16QAM	1	37	22.87	23.03	23.06	24.5	1	
15	16QAM	1	74	22.93	23.08	23.04			
15	16QAM	36	0	22.02	22.20	22.00			
15	16QAM	36	20	21.91	22.12	21.95	23.5	2	
15	16QAM	36	39	21.94	22.16	21.96			
15	16QAM	75	0	21.87	22.17	22.02			
15	64QAM	1	0	22.02	22.12	22.13			
15	64QAM	1	37	21.92	22.00	22.02	23.5	2	
15	64QAM	1	74	21.99	22.04	22.05			
15	64QAM	36	0	20.83	21.04	20.83			
15	64QAM	36	20	20.78	20.94	20.85	22.5	3	
15	64QAM	36	39	20.69	21.04	20.90			
15	64QAM	75	0	20.68	21.08	21.08			
Channel				26740					
Frequency (MHz)				819					
10	QPSK	1	0	23.86	24.38	23.98			
10	QPSK	1	25	23.80	24.24	23.92	25.5	0	
10	QPSK	1	49	23.89	24.10	23.92			
10	QPSK	25	0	22.89	22.98	23.00			
10	QPSK	25	12	22.67	22.85	22.82	24.5	1	
10	QPSK	25	25	22.81	22.85	22.79			
10	QPSK	50	0	22.92	23.11	23.11			
10	16QAM	1	0	22.99	22.85	22.92			
10	16QAM	1	25	22.72	22.82	22.87	24.5	1	
10	16QAM	1	49	22.89	22.93	22.94			
10	16QAM	25	0	21.83	22.15	21.96			
10	16QAM	25	12	21.70	22.10	21.91	23.5	2	
10	16QAM	25	25	21.78	22.11	21.85			
10	16QAM	50	0	21.80	22.09	21.98			
10	64QAM	1	0	21.91	22.05	21.94			
10	64QAM	1	25	21.89	21.85	21.90	23.5	2	
10	64QAM	1	49	21.78	22.02	21.93			
10	64QAM	25	0	20.75	21.04	20.82			
10	64QAM	25	12	20.68	20.92	20.80	22.5	3	
10	64QAM	25	25	20.58	20.86	20.73			
10	64QAM	50	0	20.60	20.90	20.65			
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	23.82	24.26	24.13			
5	QPSK	1	12	23.81	24.26	24.08	25.5	0	
5	QPSK	1	24	23.83	24.15	23.93			
5	QPSK	12	0	22.95	23.03	22.91			
5	QPSK	12	7	22.80	22.88	22.90	24.5	1	
5	QPSK	12	13	22.78	22.83	22.86			
5	QPSK	25	0	22.88	23.04	22.99			
5	16QAM	1	0	22.85	23.01	22.91			
5	16QAM	1	12	22.66	22.93	23.00	24.5	1	
5	16QAM	1	24	22.82	22.87	23.00			
5	16QAM	12	0	21.96	22.26	21.80			
5	16QAM	12	7	21.74	21.93	21.84	23.5	2	
5	16QAM	12	13	21.90	21.96	21.83			
5	16QAM	25	0	21.82	22.03	21.88			
5	64QAM	1	0	21.85	21.98	21.91			
5	64QAM	1	12	21.86	21.95	21.98	23.5	2	
5	64QAM	1	24	21.92	21.84	22.02			
5	64QAM	12	0	20.61	20.86	20.85			
5	64QAM	12	7	20.69	20.75	20.75	22.5	3	
5	64QAM	12	13	20.65	20.88	20.84			
5	64QAM	25	0	20.73	20.99	20.98			
Channel				26705					
Frequency (MHz)				815.5					
3	QPSK	1	0	23.91	24.32	24.00			
3	QPSK	1	8	23.83	24.25	24.04	25.5	0	
3	QPSK	1	14	23.88	24.17	23.91			
3	QPSK	8	0	22.77	22.99	22.85			
3	QPSK	8	4	22.78	22.87	22.80	24.5	1	
3	QPSK	8	7	22.81	22.88	22.81			
3	QPSK	15	0	22.98	23.01	23.06			
3	16QAM	1	0	23.00	23.96	23.05			
3	16QAM	1	8	22.81	22.89	22.91	24.5	1	
3	16QAM	1	14	22.78	23.05	22.92			
3	16QAM	8	0	21.90	22.02	21.96			
3	16QAM	8	4	21.79	21.91	21.83	23.5	2	
3	16QAM	8	7	21.76	22.11	21.83			
3	16QAM	15	0	21.70	21.96	21.87			
3	64QAM	1	0	21.87	22.06	22.11			
3	64QAM	1	8	21.85	21.87	21.82	23.5	2	
3	64QAM	1	14	21.80	22.02	21.85			
3	64QAM	8	0	20.81	21.03	20.90			
3	64QAM	8	4	20.67	20.82	20.65	22.5	3	
3	64QAM	8	7	20.47	20.96	20.75			
3	64QAM	15	0	20.78	21.02	20.68			
Channel				26697					
Frequency (MHz)				814.7					
1.4	QPSK	1	0	23.93	24.26	23.99			
1.4	QPSK	1	3	23.74	24.09	23.94	25.5	0	
1.4	QPSK	1	5	23.92	24.10	24.02			

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 [dB]	MPR [dB]			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	24.01	24.12	24.08					
20	QPSK	1	49	23.91	24.02	24.01	25.5	0			
20	QPSK	1	99	23.88	24.06	23.98					
20	QPSK	50	0	23.01	23.11	23.06					
20	QPSK	50	24	22.98	22.96	22.98	24.5	1			
20	QPSK	50	50	22.86	23.07	22.93					
20	QPSK	100	0	23.04	23.09	22.97					
20	16QAM	1	0	22.86	23.07	23.01					
20	16QAM	1	49	22.92	22.83	22.85	24.5	1			
20	16QAM	1	99	22.77	22.93	22.84					
20	16QAM	50	0	22.07	22.12	22.06					
20	16QAM	50	24	22.04	21.99	22.01	23.5	2			
20	16QAM	50	50	22.00	22.06	21.98					
20	64QAM	1	0	22.11	22.22	22.18					
20	64QAM	1	49	22.00	22.12	22.09	23.5	2			
20	64QAM	1	99	21.87	22.02	22.03					
20	64QAM	50	0	21.10	21.20	21.15					
20	64QAM	50	24	21.01	21.08	21.08	22.5	3			
20	64QAM	50	50	20.99	21.12	21.08					
20	64QAM	100	0	21.07	21.19	21.10					
Channel				37825	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	23.90	23.94	23.90					
15	QPSK	1	37	23.88	23.90	23.84	26	0			
15	QPSK	1	74	23.85	23.98	23.82					
15	QPSK	36	0	22.87	22.93	22.89					
15	QPSK	36	20	22.92	22.81	22.81	24.5	1			
15	QPSK	36	39	22.86	22.88	22.87					
15	QPSK	75	0	22.98	22.91	22.98					
15	16QAM	1	0	22.83	23.02	22.92					
15	16QAM	1	37	22.77	22.73	22.76	24.5	1			
15	16QAM	1	74	22.66	22.90	22.73					
15	16QAM	36	0	21.94	21.90	21.87					
15	16QAM	36	20	21.97	21.78	21.86	23.5	2			
15	16QAM	36	39	21.81	22.02	21.93					
15	16QAM	75	0	21.83	22.03	22.05					
15	64QAM	1	0	22.07	22.08	22.14					
15	64QAM	1	37	21.88	21.91	22.01	23.5	2			
15	64QAM	1	74	21.84	21.97	21.84					
15	64QAM	36	0	21.01	21.00	21.02					
15	64QAM	36	39	20.80	20.87	20.90	22.5	3			
15	64QAM	36	39	20.90	20.91	21.04					
15	64QAM	75	0	20.86	21.16	21.06					
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	23.94	24.05	23.91					
10	QPSK	1	25	23.86	23.81	23.91	25.5	0			
10	QPSK	1	49	23.70	23.66	23.95					
10	QPSK	25	0	22.82	22.96	22.96					
10	QPSK	25	12	22.77	22.86	22.92	24.5	1			
10	QPSK	25	25	22.81	23.00	22.79					
10	QPSK	50	0	22.94	22.94	22.80					
10	16QAM	1	0	22.80	23.01	22.85					
10	16QAM	1	25	22.83	22.73	22.81	24.5	1			
10	16QAM	1	49	22.84	22.86	22.68					
10	16QAM	25	0	21.90	22.06	22.03					
10	16QAM	25	12	22.00	21.91	21.81	23.5	2			
10	16QAM	25	25	21.85	21.85	21.88					
10	16QAM	50	0	21.85	21.94	21.97					
10	64QAM	1	0	22.07	22.11	22.08					
10	64QAM	1	25	21.95	22.08	22.01	23.5	2			
10	64QAM	1	49	21.88	21.86	21.83					
10	64QAM	25	0	21.02	21.11	21.08					
10	64QAM	25	12	20.95	20.88	21.05					
10	64QAM	25	25	20.87	21.09	21.06	22.5	3			
10	64QAM	50	0	21.01	21.11	20.90					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	23.96	24.07	24.04					
5	QPSK	1	12	23.86	23.94	23.95	25.5	0			
5	QPSK	1	24	23.67	23.87	23.85					
5	QPSK	12	0	22.97	23.00	22.95					
5	QPSK	12	7	22.88	22.85	22.87	24.5	1			
5	QPSK	12	13	22.73	22.89	22.87					
5	QPSK	25	0	22.89	22.94	22.83					
5	16QAM	1	0	22.79	22.99	22.90					
5	16QAM	1	12	22.74	22.81	22.69	24.5	1			
5	16QAM	1	24	22.84	22.74	22.72					
5	16QAM	12	0	22.01	21.91	21.94					
5	16QAM	12	7	21.88	21.81	21.97	23.5	2			
5	16QAM	12	13	21.81	22.03	21.83					
5	16QAM	25	0	21.85	21.98	21.93					
5	64QAM	1	0	22.07	22.01	22.03	23.5	2			
5	64QAM	1	12	21.81	21.97	21.89					
5	64QAM	1	24	21.72	21.89	21.82					
5	64QAM	12	0	20.92	21.17	21.11					
5	64QAM	12	7	20.87	21.03	21.07	22.5	3			
5	64QAM	12	13	20.79	20.94	21.05					
5	64QAM	25	0	20.88	20.99	20.99					

Band 41 Ant1 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [dB]	MPR [dB]			
Channel				39750	40185	40620					
Frequency (MHz)				2506	2548.5	2593					
20	QPSK	1	0	23.91	23.98	24.15	24.09	24.06			
20	QPSK	1	49	23.84	23.85	24.12	24.01	23.95	25.5	0	
20	QPSK	1	99	23.80	23.89	24.01	23.97	23.96			
20	QPSK	50	0	23.04	23.09	23.14	23.11	23.09			
20	QPSK	50	24	22.91	23.00	23.05	23.03	22.94	24.5	1	
20	QPSK	50	50	22.98	22.98	23.01	23.04	22.98			
20	QPSK	100	0	22.95	23.03	23.07	22.92	22.98			
20	16QAM	1	0	23.05	22.99	23.10	22.97	22.99			
20	16QAM	1	49	22.93	22.85	23.03	22.85	22.87	24.5	1	
20	16QAM	1	99	22.99	22.95	23.04	22.91	22.82			
20	16QAM	50	0	21.88	21.94	21.97	21.90	21.91			
20	16QAM	50	24	21.74	21.86	21.85	21.75	21.85	23.5	2	
20	16QAM	50	50	21.76	21.88	21.88	21.84	21.77			
20	64QAM	100	0	22.00	22.03	22.09	22.04	21.98			
20	64QAM	1	49	22.08	21.97	22.05	22.01	22.04	23.5	2	
20	64QAM	1	99	21.98	21.96	22.06	21.97	22.04			
20	64QAM	50	0	21.04	20.99	21.08	20.98	21.02			
20	64QAM	50	24	20.98	20.89	20.93	20.95	20.89	22.5	3	
20	64QAM	50	50	20.93	20.85	20.99	20.83	20.76			
20	64QAM	100	0	20.98	21.01	21.10	20.98	20.98			
Channel				39725	40173	40620	41068	41516			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.70	23.79	24.06	23.91	23.86			
15	QPSK	1	37	23.78	23.70	24.07	23.81	23.83	26	0	
15	QPSK	1	74	23.61	23.68	23.84	23.81	23.77			
15	QPSK	36	0	22.84	22.92	22.98	23.00	22.90			
15	QPSK	36	20	22.86	22.92	22.99	22.95	22.84	24.5	1	
15	QPSK	36	39	22.91	22.88	22.91	22.86	22.86			
15	QPSK	75	0	22.82	22.82	23.04	22.89	22.76			
15	16QAM	1	0	22.86	22.89	22.96	22.89	22.76	24.5	1	
15	16QAM	1	37	22.80	22.82	22.91	22.63	22.76			
15	16QAM	1	74	22							



GSM850 Ant4 Default							
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	128	189	251		128	189	251
Frequency (MHz)	324.2	324.4	324.8	324.2	324.4	324.8	
GSM 1 Tx slot	32.56	32.47	32.57	33.50	23.55	23.47	23.57
GPRS 1 Tx slot	32.38	32.51	32.58	33.50	23.38	23.51	23.58
GPRS 2 Tx slots	30.53	30.42	30.54	31.00	24.53	24.42	24.54
GPRS 3 Tx slots	28.95	28.49	28.31	28.50	24.19	24.23	24.05
GPRS 4 Tx slots	27.22	27.15	27.16	28.00	24.22	24.15	24.16
EDGE 1 Tx slot	26.88	26.93	26.91	28.00	17.88	17.93	17.91
EDGE 2 Tx slots	24.33	24.31	24.29	26.50	18.33	18.31	18.29
EDGE 3 Tx slots	22.52	22.22	22.17	24.00	18.06	17.96	17.91
EDGE 4 Tx slots	20.59	20.68	20.57	22.00	17.59	17.68	17.57

GSM1900 Ant4 Default							
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	512	861	810		512	861	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	
GSM 1 Tx slot	28.87	28.98	29.27	30.00	19.87	19.98	20.27
GPRS 1 Tx slot	28.91	28.00	29.31	30.00	19.91	20.00	20.31
GPRS 2 Tx slots	26.05	26.45	26.43	27.50	20.05	20.49	20.43
GPRS 3 Tx slots	24.17	24.23	24.59	25.00	19.91	19.97	20.33
GPRS 4 Tx slots	22.87	22.77	23.07	23.50	19.67	19.77	20.07
EDGE 1 Tx slot	25.33	25.36	25.73	26.00	16.33	16.36	16.73
EDGE 2 Tx slots	22.27	22.39	22.44	22.50	16.27	16.39	16.44
EDGE 3 Tx slots	20.44	20.46	20.42	20.50	16.18	16.20	16.16
EDGE 4 Tx slots	19.40	19.33	19.46	19.50	16.40	16.33	16.46

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			WCDMA V		
	9262	9400	9538		1312	1413	1513	4132	4162	4233
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458	
Frequency (MHz)	1852.4	1869	1897.6	1722.4	1722.8	1742.8	4357	4364	4406	
3GPP Rel 99 AMR 12.2Kbps	23.59	23.70	23.60	25.00	23.56	23.75	23.65	25.00	23.53	
3GPP Rel 99 RMC 12.2Kbps	23.65	23.71	23.64	25.00	23.73	23.84	23.56	25.00	23.58	
3GPP Rel 6 HSDPA Subtest-1	22.53	22.72	22.86	24.00	22.59	22.68	22.65	24.00	22.65	
3GPP Rel 6 HSDPA Subtest-2	22.57	22.63	22.52	24.00	22.57	22.69	22.56	24.00	22.65	
3GPP Rel 6 HSDPA Subtest-3	22.10	22.25	22.21	23.50	22.05	22.14	22.14	23.50	22.01	
3GPP Rel 6 HSDPA Subtest-4	22.10	22.21	22.09	23.50	22.08	22.14	22.09	23.50	22.06	
3GPP Rel 8 DC-HSDPA Subtest-1	22.52	22.67	22.58	24.00	22.58	22.59	22.56	24.00	22.53	
3GPP Rel 8 DC-HSDPA Subtest-2	22.48	22.52	22.56	24.00	22.47	22.58	22.56	24.00	22.50	
3GPP Rel 8 DC-HSDPA Subtest-3	21.98	22.20	22.11	23.50	22.05	22.17	22.04	23.50	22.02	
3GPP Rel 8 DC-HSDPA Subtest-4	21.93	22.05	21.96	23.50	21.97	22.06	22.02	23.50	21.95	
3GPP Rel 6 HSUPA Subtest-1	22.46	22.56	22.53	24.00	22.44	22.55	22.47	24.00	22.41	
3GPP Rel 6 HSUPA Subtest-2	20.58	20.73	20.64	22.00	20.54	20.75	20.64	22.00	20.52	
3GPP Rel 6 HSUPA Subtest-3	21.71	21.82	21.70	23.00	21.67	21.74	21.62	23.00	21.65	
3GPP Rel 6 HSUPA Subtest-4	20.51	20.63	20.54	22.00	20.54	20.70	20.44	22.00	20.51	
3GPP Rel 6 HSUPA Subtest-5	22.53	22.61	22.52	24.00	22.46	22.64	22.48	24.00	22.53	
3GPP Rel 7 HSPA+ (MCSM) Subtest-1	20.13	20.22	20.14	21.50	20.14	20.25	20.12	21.50	20.13	



Band 2 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.14	24.25	24.21				
20	QPSK	1	49	24.17	24.18	24.03	25.5	0		
20	QPSK	1	99	24.04	24.22	24.17				
20	QPSK	50	0	23.00	23.12	22.95				
20	QPSK	50	24	23.04	23.06	22.96	24.5	1		
20	QPSK	50	50	22.92	23.00	22.92				
20	QPSK	100	0	22.89	23.00	22.90				
20	16QAM	1	0	23.18	23.15	23.08				
20	16QAM	1	49	23.20	23.00	23.14	24.5	1		
20	16QAM	1	99	23.22	23.21	23.16				
20	16QAM	50	0	21.91	22.09	22.06				
20	16QAM	50	24	22.02	22.06	21.90	23.5	2		
20	16QAM	50	50	22.09	22.05	21.99				
20	16QAM	100	0	22.09	21.91	22.23				
20	64QAM	1	0	21.95	22.00	22.03				
20	64QAM	1	49	22.11	22.02	21.94	23.5	2		
20	64QAM	1	99	21.98	22.11	22.15				
20	64QAM	50	0	21.10	21.19	21.13				
20	64QAM	50	24	21.12	21.05	21.14	22.5	3		
20	64QAM	50	50	21.22	21.16	21.10				
20	64QAM	100	0	21.03	21.08	21.14				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.01	24.20	24.13				
15	QPSK	1	37	24.10	23.99	24.00	25.5	0		
15	QPSK	1	74	23.90	24.16	24.14				
15	QPSK	36	0	22.83	23.05	22.92				
15	QPSK	36	20	22.94	22.87	22.77	24.5	1		
15	QPSK	36	39	22.85	22.97	22.90				
15	QPSK	75	0	22.67	22.87	22.79				
15	16QAM	1	0	23.05	23.01	22.98				
15	16QAM	1	37	23.13	23.02		24.5	1		
15	16QAM	1	74	23.05	23.18	23.07				
15	16QAM	36	0	21.71	22.05	21.85				
15	16QAM	36	20	21.85	21.89	21.80	23.5	2		
15	16QAM	36	39	21.96	22.01	21.85				
15	16QAM	75	0	21.88	21.75	22.05				
15	16QAM	75	0	21.92	21.80	21.99	23.5	2		
15	64QAM	1	37	21.93	21.96	21.81				
15	64QAM	1	74	21.89	22.03	22.00				
15	64QAM	36	0	21.03	20.99	21.01				
15	64QAM	36	20	20.91	20.98	21.05	22.5	3		
15	64QAM	36	39	21.18	21.12	20.96				
15	64QAM	75	0	20.90	21.01	20.96				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.99	24.05	24.01				
10	QPSK	1	25	24.12	24.02	23.98	25.5	0		
10	QPSK	1	49	23.92	24.16	23.96				
10	QPSK	25	0	22.82	23.05	22.73				
10	QPSK	25	12	22.92	22.88	22.79	24.5	1		
10	QPSK	25	25	22.89	22.85	22.78				
10	QPSK	50	0	22.70	22.81	22.75				
10	16QAM	1	0	23.15	22.99	22.90				
10	16QAM	1	25	23.02	22.81	22.95	24.5	1		
10	16QAM	1	49	23.16	23.15	23.12				
10	16QAM	25	0	21.98	21.97	21.99	23.5	2		
10	16QAM	25	12	22.00	21.86	21.73				
10	16QAM	25	25	21.91	21.97	21.97				
10	16QAM	50	0	21.92	21.81	22.06				
10	64QAM	1	0	21.90	21.91	21.89				
10	64QAM	1	25	21.92	21.98	21.74	23.5	2		
10	64QAM	1	49	21.92	22.01	21.96				
10	64QAM	1	99	21.92	21.93	21.94	23.5	2		
10	64QAM	25	0	20.93	21.03	20.94				
10	64QAM	25	12	21.09	20.97	20.97	22.5	3		
10	64QAM	25	25	21.17	21.10	20.88				
10	64QAM	50	0	20.81	20.87	21.03				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.97	24.19	24.01				
5	QPSK	1	14	24.14	24.04	24.00	25.5	0		
5	QPSK	1	28	23.93	24.17	24.11				
5	QPSK	12	0	22.90	23.05	22.85				
5	QPSK	12	7	22.98	22.90	22.84	24.5	1		
5	QPSK	12	13	22.86	23.03	22.89				
5	QPSK	25	0	22.81	22.86	22.80				
5	16QAM	1	0	23.08	22.98	22.99				
5	16QAM	1	12	23.01	22.83	22.98	24.5	1		
5	16QAM	1	24	23.20	23.18	23.14				
5	16QAM	12	0	21.77	21.88	21.89				
5	16QAM	12	7	21.89	21.94	21.78	23.5	2		
5	16QAM	12	13	21.90	21.89	21.90				
5	16QAM	25	0	21.94	21.83	22.08				
5	16QAM	25	0	21.78	21.84	21.82	23.5	2		
5	64QAM	1	12	22.07	21.89	21.79				
5	64QAM	1	24	21.90	21.93	21.99	23.5	2		
5	64QAM	12	0	21.01	21.09	20.91				
5	64QAM	12	7	21.04	20.90	21.09	22.5	3		
5	64QAM	12	13	21.19	20.84	21.08				
5	64QAM	25	0	20.97	21.02	21.01				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.94	24.08	24.00				
3	QPSK	1	8	24.13	24.03	23.96	25.5	0		
3	QPSK	1	14	23.97	24.06	23.95				
3	QPSK	8	0	22.85	23.07	22.78				
3	QPSK	8	7	22.90	22.82	22.86	24.5	1		
3	QPSK	8	7	22.82	22.95	22.88				
3	QPSK	15	0	22.78	22.95	22.84				
3	16QAM	1	0	23.01	23.08	22.92				
3	16QAM	1	8	23.06	22.84	22.92	24.5	1		
3	16QAM	8	0	21.87	21.95	21.97				
3	16QAM	8	4	21.98	22.00	21.69	23.5	2		
3	16QAM	8	7	21.89	21.96	21.81				
3	16QAM	15	0	21.89	21.74	22.13				
3	64QAM	1	0	21.80	21.79	21.97				
3	64QAM	1	8	22.04	21.88	21.85	23.5	2		
3	64QAM	1	14	21.85	21.96	21.82				
3	64QAM	8	0	20.94	21.14	20.96				
3	64QAM	8	4	21.09	20.98	21.11	22.5	3		
3	64QAM	8	7	21.12	21.08	20.96				
3	64QAM	15	0	20.92	20.99	21.10				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.07	24.19	24.06				
1.4	QPSK	1	3	24.01	24.08	24.01	25.5	0		
1.4	QPSK	1	5	23.95	24.02	23.99				
1.4	QPSK	3	0	24.12	24.20	24.05				
1.4	QPSK	3	1	24.06	24.01	23.83				
1.4	QPSK	3	3	23.97	24.00	23.99	24.5	1		
1.4	QPSK	6	0	22.86	22.93	22.82				
1.4	16QAM	1	0	22.83	22.98	22.86				
1.4	16QAM	1	3	22.98	23.04	22.77	24.5	1		
1.4	16QAM	1	5	22.69	22.81	22.83				
1.4	16QAM	3	0	23.08	22.95	22.98				
1.4	16QAM	3	1	23.17	22.88	23.04	23.5	2		
1.4	16QAM	3	3	23.06	23.04	23.11				
1.4	16QAM	6	0	21.85	21.99	21.99	23.5	2		
1.4	64QAM	1	0	21.82	22.01	21.75				
1.4	64QAM	1	3	22.03	21.88	21.85	23.5	2		
1.4	64QAM	1	5	22.04	21.88	22.12				
1.4	64QAM	3	0	21.74	21.92	21.95				
1.4	64QAM	3	1	22.04	21.96	21.82	22.5	3		
1.4	64QAM	3	3	21.88	21.91	22.11				
1.4	64QAM	6	0	20.91	21.15					



Band 13 Ant4 Default										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.24	24.24	24.14				
10	QPSK	1	25	24.05	24.05	24.15	25.5	0		
10	QPSK	1	49	24.23	24.23	24.13				
10	QPSK	25	0	23.17	23.17	23.16	24.5	1		
10	QPSK	25	12	22.96	22.96	22.98				
10	QPSK	25	25	22.99	22.99	22.97				
10	QPSK	50	0	23.06	23.06	23.01				
10	16QAM	1	0	23.18	23.18	23.15	24.5	1		
10	16QAM	1	25	23.07	23.07	23.10				
10	16QAM	1	49	23.04	23.04	23.14				
10	16QAM	25	0	22.06	22.06	22.21	23.5	2		
10	16QAM	25	12	22.07	22.07	22.12				
10	16QAM	25	25	22.18	22.18	22.12				
10	16QAM	50	0	22.11	22.11	22.18				
10	64QAM	1	0	22.34	22.34	22.24	23.5	2		
10	64QAM	1	25	22.45	22.45	22.28				
10	64QAM	1	49	22.43	22.43	22.28				
10	64QAM	25	0	21.32	21.32	21.31	22.5	3		
10	64QAM	25	12	21.23	21.23	21.27				
10	64QAM	25	25	21.43	21.43	21.16				
10	64QAM	50	0	21.28	21.28	21.13				
Channel				23205 23230 23255						
Frequency (MHz)				779.5 782 784.5						
5	QPSK	1	0	24.05	24.10	24.14	25.5	0		
5	QPSK	1	12	23.89	24.01	23.96				
5	QPSK	1	24	24.06	24.11	24.11				
5	QPSK	12	0	23.14	22.98	22.98	24.5	1		
5	QPSK	12	7	22.87	22.86	22.85				
5	QPSK	12	13	22.85	22.92	22.88				
5	QPSK	25	0	22.99	23.00	22.96	24.5	1		
5	16QAM	1	0	23.04	23.04	22.99				
5	16QAM	1	12	22.93	23.03	22.85	24.5	1		
5	16QAM	1	24	22.83	22.84	22.99				
5	16QAM	12	0	21.99	21.91	21.85	23.5	2		
5	16QAM	12	7	21.97	21.97	21.89				
5	16QAM	12	13	22.02	21.99	22.07				
5	16QAM	25	0	21.96	22.02	21.92				
5	64QAM	1	0	22.16	22.24	22.15	23.5	2		
5	64QAM	1	12	22.30	22.40	22.23				
5	64QAM	1	24	22.38	22.29	22.23				
5	64QAM	12	0	21.16	21.11	21.12	22.5	3		
5	64QAM	12	7	21.10	21.17	21.03				
5	64QAM	12	13	21.25	21.21	21.23				
5	64QAM	25	0	21.08	21.19	21.08				

Band 26 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765 26895 26925					
Frequency (MHz)				821.5 831 841.5					
15	QPSK	1	0	24.06	24.28	24.12	25.5	0	
15	QPSK	1	37	24.03	24.19	24.04			
15	QPSK	1	74	24.09	24.07	24.17			
15	QPSK	36	0	23.06	23.18	23.16	24.5	1	
15	QPSK	36	20	23.14	23.13	23.08			
15	QPSK	36	39	23.08	22.98	23.06			
15	QPSK	75	0	23.15	23.16	23.01			
15	16QAM	1	0	23.19	23.33	23.15	24.5	1	
15	16QAM	1	37	23.13	23.28	23.31			
15	16QAM	1	74	23.23	23.27	23.14			
15	16QAM	36	0	22.08	22.24	22.21	23.5	2	
15	16QAM	36	20	22.07	22.33	22.02			
15	16QAM	36	39	22.05	22.20	22.12			
15	16QAM	75	0	22.19	22.37	22.18			
15	64QAM	1	0	22.05	22.12	22.06	23.5	2	
15	64QAM	1	37	22.13	22.08	22.10			
15	64QAM	1	74	22.12	22.10	22.07			
15	64QAM	36	0	21.13	21.16	21.16	22.5	3	
15	64QAM	36	20	21.17	21.27	21.12			
15	64QAM	36	39	21.12	21.19	21.16			
15	64QAM	75	0	21.12	21.20	21.13			
Channel				26740 26865 26890					
Frequency (MHz)				819 831.5 844					
10	QPSK	1	0	24.02	24.12	23.96	25.5	0	
10	QPSK	1	25	23.99	24.11	23.94			
10	QPSK	1	49	23.88	23.92	23.99			
10	QPSK	25	0	23.03	22.97	22.99	24.5	1	
10	QPSK	25	12	22.98	22.94	23.03			
10	QPSK	25	25	22.90	22.81	22.93			
10	QPSK	50	0	23.09	23.14	22.98	24.5	1	
10	16QAM	1	0	22.00	22.04	21.99	23.5	2	
10	16QAM	1	25	22.96	23.02	22.99			
10	16QAM	1	49	23.14	23.21	22.96			
10	16QAM	25	0	21.92	22.13	22.13	23.5	2	
10	16QAM	25	12	22.04	22.18	21.96			
10	16QAM	25	25	21.99	22.12	21.99			
10	16QAM	50	0	22.08	22.32	22.00	23.5	2	
10	64QAM	1	0	21.99	22.01	21.91	22.5	3	
10	64QAM	1	25	22.10	21.90	22.04			
10	64QAM	1	49	22.05	21.93	22.02			
10	64QAM	25	0	20.93	20.98	20.75	22.5	3	
10	64QAM	25	12	20.97	21.14	20.95			
10	64QAM	25	25	21.03	21.03	21.09			
10	64QAM	50	0	20.95	21.01	21.01			
Channel				26715 26845 27015					
Frequency (MHz)				816.5 831.5 846.5					
5	QPSK	1	0	23.91	24.23	23.90	25.5	0	
5	QPSK	1	12	23.83	24.01	24.00			
5	QPSK	1	24	23.89	24.02	24.11			
5	QPSK	12	0	22.90	23.10	23.10	24.5	1	
5	QPSK	12	7	22.94	22.97	23.04			
5	QPSK	12	13	23.02	22.78	22.96			
5	QPSK	25	0	23.09	23.06	22.93	24.5	1	
5	16QAM	1	0	23.11	23.27	23.03			
5	16QAM	1	12	22.96	23.22	23.14	23.5	2	
5	16QAM	1	24	23.20	23.13	22.98			
5	16QAM	12	0	21.92	22.16	22.14	23.5	2	
5	16QAM	12	7	22.05	22.30	21.93			
5	16QAM	12	13	21.89	22.11	22.06			
5	16QAM	25	0	22.18	22.27	22.09	23.5	2	
5	64QAM	1	0	22.01	21.97	21.89	23.5	2	
5	64QAM	1	12	22.00	21.96	21.90			
5	64QAM	1	24	22.05	22.03	21.87			
5	64QAM	12	0	21.08	21.01	20.75	22.5	3	
5	64QAM	12	7	21.12	21.11	21.10			
5	64QAM	12	13	20.92	21.07	21.12			
5	64QAM	25	0	21.06	21.07	21.08			
Channel				26705 26865 27025					
Frequency (MHz)				815.5 831.5 847.5					
3	QPSK	1	0	23.84	24.12	24.00	25.5	0	
3	QPSK	1	8	23.82	24.10	24.01			
3	QPSK	1	14	24.07	23.92	24.05			
3	QPSK	8	0	23.02	23.04	23.13	24.5	1	
3	QPSK	8	4	22.93	23.06	22.87			
3	QPSK	8	7	23.01	22.87	23.03			
3	QPSK	15	0	23.04	23.11	22.86	24.5	1	
3	16QAM	1	0	23.03	23.24	23.11			
3	16QAM	1	8	23.11	23.10	23.22			
3	16QAM	1	14	23.15	23.13	23.11	23.5	2	
3	16QAM	8	0	22.01	22.08	22.13			
3	16QAM	8	4	21.85	22.14	21.85			
3	16QAM	8	7	21.84	22.08	21.92			
3	16QAM	15	0	22.13	22.21	22.12	23.5	2	
3	64QAM	1	0	22.02	22.02	21.91			
3	64QAM	1	8	21.94	21.94	22.03	23.5	2	
3	64QAM	1	14	21.98	21.91	21.89			
3	64QAM	8	0	21.02	21.00	20.78	22.5	3	
3	64QAM	8	4	21.10	21.06	21.00			
3	64QAM	8	7	20.92	20.98	21.08			
3	64QAM	15	0	2					



Band 38 Ant4 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [dB]	MPR [dB]			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	24.07	24.25	24.21					
20	QPSK	1	49	24.23	24.18	24.12		25.5	0		
20	QPSK	1	99	24.03	24.11	24.20					
20	QPSK	50	0	23.27	23.34	23.30					
20	QPSK	50	24	23.09	23.11	23.13		24.5	1		
20	QPSK	50	50	23.14	23.26	23.23					
20	QPSK	100	0	23.20	23.32	23.29					
20	16QAM	1	0	23.10	23.29	23.21		24.5	1		
20	16QAM	1	49	23.11	23.31	23.14					
20	16QAM	1	99	23.16	23.23	23.24					
20	16QAM	50	0	22.48	22.48	22.26					
20	16QAM	50	24	22.43	22.52	22.39		23.5	2		
20	16QAM	50	50	22.33	22.43	22.41					
20	16QAM	100	0	22.44	22.42	22.21					
20	64QAM	1	0	22.14	22.36	22.26					
20	64QAM	1	49	22.29	22.31	22.33		23.5	2		
20	64QAM	1	99	22.21	22.30	22.21					
20	64QAM	50	0	21.11	21.30	21.22					
20	64QAM	50	24	21.28	21.22	21.30		22.5	3		
20	64QAM	50	50	21.27	21.31	21.33					
20	64QAM	100	0	21.44	21.45	21.24					
Channel				37825	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	23.93	24.18	24.07		26.5	0		
15	QPSK	1	37	24.11	24.01	23.95					
15	QPSK	1	74	23.88	23.83	24.12					
15	QPSK	36	0	23.21	23.12	23.19					
15	QPSK	36	20	23.01	22.97	23.03		24.5	1		
15	QPSK	36	39	22.95	23.07	23.09					
15	QPSK	75	0	23.17	23.36	23.24					
15	16QAM	1	0	22.97	23.11	23.18		24.5	1		
15	16QAM	1	37	22.92	23.22	23.11					
15	16QAM	1	74	23.12	23.17	23.06					
15	16QAM	36	0	22.31	22.45	22.20					
15	16QAM	36	20	22.27	22.35	22.23		23.5	2		
15	16QAM	36	39	22.18	22.40	22.38					
15	16QAM	75	0	22.40	22.24	22.09					
15	64QAM	1	0	22.06	22.33	22.08					
15	64QAM	1	37	22.09	22.19	22.22		23.5	2		
15	64QAM	1	74	22.13	22.10	21.99					
15	64QAM	36	0	20.93	21.22	21.04					
15	64QAM	36	20	21.21	21.10	21.19		22.5	3		
15	64QAM	36	39	21.17	21.19	21.04					
15	64QAM	75	0	21.35	21.38	21.08					
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	24.01	24.22	24.13		25.5	0		
10	QPSK	1	25	24.12	24.07	23.94					
10	QPSK	1	49	23.90	24.00	23.99					
10	QPSK	25	0	23.11	23.19	23.20					
10	QPSK	25	12	23.04	22.95	23.09		24.5	1		
10	QPSK	25	25	23.08	23.15	23.01					
10	QPSK	50	0	22.99	23.29	23.15					
10	16QAM	1	0	23.04	23.22	23.16		24.5	1		
10	16QAM	1	25	23.08	23.23	23.08					
10	16QAM	1	49	22.98	23.20	23.04					
10	16QAM	25	0	22.42	22.30	22.24					
10	16QAM	25	12	22.27	22.41	22.20		23.5	2		
10	16QAM	25	25	22.16	22.26	22.19					
10	16QAM	50	0	22.37	22.39	22.07					
10	64QAM	1	0	22.10	22.26	22.06					
10	64QAM	1	25	22.08	22.26	22.26		23.5	2		
10	64QAM	1	49	22.16	22.19	22.03					
10	64QAM	25	0	21.06	21.24	21.10					
10	64QAM	25	12	21.25	21.02	21.12		22.5	3		
10	64QAM	25	25	21.10	21.11	21.09					
10	64QAM	50	0	21.24	21.33	21.11					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	23.95	24.16	24.17		26.5	0		
5	QPSK	1	12	24.10	24.01	23.97					
5	QPSK	1	24	23.94	24.03	24.07					
5	QPSK	12	0	23.15	23.31	23.26					
5	QPSK	12	7	23.00	22.89	22.96		24.5	1		
5	QPSK	12	13	23.07	23.15	23.13					
5	QPSK	25	0	22.99	23.21	23.26					
5	16QAM	1	0	22.93	23.22	23.04					
5	16QAM	1	12	22.92	23.10	22.97		24.5	1		
5	16QAM	1	24	23.00	23.09	23.21					
5	16QAM	12	0	22.45	22.45	22.11					
5	16QAM	12	7	22.32	22.44	22.29		23.5	2		
5	16QAM	12	13	22.21	22.30	22.34					
5	16QAM	25	0	22.33	22.32	22.00					
5	64QAM	1	0	22.01	22.32	22.23					
5	64QAM	1	12	22.17	22.21	22.23		23.5	2		
5	64QAM	1	24	22.10	22.23	22.11					
5	64QAM	12	0	20.93	21.28	21.19					
5	64QAM	12	7	21.20	21.15	21.12		22.5	3		
5	64QAM	12	13	21.20	21.13	21.05					
5	64QAM	25	0	21.42	21.29	21.17					

Band 41 Ant4 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up [dB]	MPR [dB]		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2548.5	2593	2636.5	2680			
20	QPSK	1	0	23.92	24.20	24.30	23.96	24.02			
20	QPSK	1	49	24.16	24.11	24.26	24.01	23.96		25.5	0
20	QPSK	1	99	24.09	24.18	24.16	23.96	24.09			
20	QPSK	50	0	23.26	23.23	23.35	23.22	23.23			
20	QPSK	50	24	23.23	23.26	23.19	23.32	23.21		24.5	1
20	QPSK	50	50	23.19	23.30	23.28	23.13	23.30			
20	QPSK	100	0	23.19	23.11	23.26	23.13	23.17			
20	16QAM	1	0	23.25	23.23	23.28	23.39	23.40		24.5	1
20	16QAM	1	49	23.29	23.23	23.28	23.36	23.33			
20	16QAM	1	99	23.35	23.17	23.41	23.36	23.36			
20	16QAM	50	0	22.15	22.06	22.22	22.01	22.09			
20	16QAM	50	24	22.10	22.04	22.21	22.10	22.06		23.5	2
20	16QAM	50	50	22.23	22.03	22.27	22.04	22.01			
20	16QAM	100	0	22.26	22.11	22.25	22.22	22.06			
20	64QAM	1	0	22.33	22.15	22.32	22.11	22.33			
20	64QAM	1	49	22.12	22.30	22.37	22.21	22.16		23.5	2
20	64QAM	1	99	22.33	22.21	22.44	22.25	22.23			
20	64QAM	50	0	21.43	21.40	21.48	21.39	21.41			
20	64QAM	50	24	21.35	21.29	21.47	21.28	21.49		22.5	3
20	64QAM	50	50	21.46	21.30	21.59	21.31	21.27			
20	64QAM	100	0	21.25	21.34	21.35	21.14	21.26			
Channel				39725	40173	40620	41068	41615			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.90	24.13	24.07	23.82	23.92		26	0
15	QPSK	1	37	23.95	24.20	23.90	23.93	23.91			
15	QPSK	1	74	24.02	24.03	23.98	23.75	24.03			
15	QPSK	36	0	23.09	23.32	23.20	23.06	23.16			
15	QPSK	36	20	23.04	23.17	23.12	23.28	22.91		24.5	1
15	QPSK	36	39	22.99	23.19	23.13	23.03	23.11		</	



Reduced Power Mode for DSI1

GSM850 Ant1 Default								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	150	180	251		150	180	251	
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6	848.6	
GSM 1 Tx slot	32.24	32.41	32.57	33.50	23.24	23.41	23.57	24.50
GPRS 1 Tx slot	32.28	32.49	32.63	33.50	23.28	23.49	23.63	24.50
GPRS 2 Tx slots	29.81	29.88	30.08	30.50	23.81	23.88	24.09	24.50
GPRS 3 Tx slots	27.64	27.92	27.83	28.50	23.38	23.39	23.57	24.24
GPRS 4 Tx slots	26.45	26.74	26.71	27.50	23.45	23.74	23.71	24.50
EDGE 1 Tx slot	26.80	26.74	26.75	28.00	17.80	17.74	17.75	18.00
EDGE 2 Tx slots	24.21	24.12	24.30	23.00	18.21	18.12	18.30	18.00
EDGE 3 Tx slots	22.13	22.06	22.08	23.00	17.87	17.80	17.82	18.74
EDGE 4 Tx slots	20.73	20.76	20.98	22.00	17.73	17.78	17.98	18.00

GSM1900 Ant1 Default								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1523.2	1650	1803.2	1523.2	1650	1803.2	1803.2	
GSM 1 Tx slot	28.78	29.04	29.21	30.50	19.78	20.04	20.21	21.50
GPRS 1 Tx slot	28.78	29.03	29.18	30.50	19.78	20.03	20.18	21.50
GPRS 2 Tx slots	26.01	26.26	26.42	27.50	20.01	20.26	20.42	21.50
GPRS 3 Tx slots	24.26	24.21	24.38	25.50	20.00	19.95	20.32	21.24
GPRS 4 Tx slots	23.15	23.44	23.41	24.50	20.15	20.44	20.41	21.50
EDGE 1 Tx slot	25.84	25.76	26.13	27.00	16.84	16.76	17.13	18.00
EDGE 2 Tx slots	22.70	22.53	22.96	24.00	16.70	16.53	16.96	18.00
EDGE 3 Tx slots	20.87	20.71	21.12	22.00	16.71	16.45	16.86	17.74
EDGE 4 Tx slots	20.04	20.06	20.18	21.00	17.04	17.06	17.18	18.00

Band	WCDMA II Ant1 Default			Tune-up Limit (dBm)	WCDMA IV Ant1 Default			WCDMA V Ant1 Default			Tune-up Limit (dBm)	
	9062	9600	9538		1312	1413	1513	4132	4182	4233		
Frequency (MHz)	1852.4	1880	1907.8	1523.2	1597	1693	1798	4352	4407	4466		
IGPP Rel 99 AMR 12.2kbps	23.46	23.58	23.54	25.00	23.54	23.71	23.58	25.00	23.55	23.68	23.61	25.00
IGPP Rel 99 RMC 12.2kbps	23.54	23.65	23.64	25.00	23.76	23.77	23.67	25.00	23.56	23.69	23.65	25.00
IGPP Rel 6 HSDPA Subtest-1	22.48	22.55	22.53	24.00	22.64	22.79	22.75	24.00	22.68	22.75	22.71	24.00
IGPP Rel 6 HSDPA Subtest-2	22.50	22.53	22.41	24.00	22.59	22.70	22.64	24.00	22.63	22.66	22.66	24.00
IGPP Rel 6 HSDPA Subtest-3	21.95	22.08	22.06	23.50	22.15	22.25	22.15	23.50	22.15	22.19	22.19	23.50
IGPP Rel 6 HSDPA Subtest-4	21.93	22.05	21.93	23.50	22.13	22.19	22.13	23.50	22.12	22.21	22.11	23.50
IGPP Rel 8 DC-HSDPA Subtest-1	22.42	22.50	22.51	24.00	22.66	22.89	22.80	24.00	22.63	22.68	22.66	24.00
IGPP Rel 8 DC-HSDPA Subtest-2	22.41	22.45	22.41	24.00	22.57	22.65	22.63	24.00	22.54	22.58	22.53	24.00
IGPP Rel 8 DC-HSDPA Subtest-3	21.92	22.06	21.96	23.50	22.05	22.20	22.05	23.50	22.02	22.19	22.03	23.50
IGPP Rel 8 DC-HSDPA Subtest-4	21.87	21.99	21.91	23.50	22.01	22.08	22.08	23.50	22.00	22.14	22.04	23.50
IGPP Rel 8 HSUPA Subtest-1	22.38	22.41	22.38	24.00	22.47	22.60	22.57	24.00	22.48	22.62	22.60	24.00
IGPP Rel 6 HSUPA Subtest-2	20.46	20.61	20.55	22.00	20.64	20.71	20.62	22.00	20.69	20.77	20.61	22.00
IGPP Rel 6 HSUPA Subtest-3	21.58	21.68	21.56	23.00	21.72	21.81	21.76	23.00	21.72	21.73	21.75	23.00
IGPP Rel 6 HSUPA Subtest-4	20.38	20.55	20.38	22.00	20.55	20.68	20.59	22.00	20.59	20.69	20.60	22.00
IGPP Rel 6 HSUPA Subtest-5	22.38	22.47	22.38	24.00	22.58	22.65	22.57	24.00	22.59	22.63	22.64	24.00
IGPP Rel 7 HSPA+ (16QAM) Subtest-1	19.98	20.13	20.06	21.50	20.22	20.34	20.26	21.50	20.16	20.36	20.20	21.50



Band 2 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.14	24.27	24.05				
20	QPSK	1	49	24.05	24.18	23.90	25.5	0		
20	QPSK	1	99	24.01	24.24	23.97				
20	QPSK	50	0	23.18	23.25	23.16				
20	QPSK	50	24	23.04	23.21	23.04	24.5	1		
20	QPSK	50	60	23.05	23.11	23.08				
20	QPSK	100	0	23.20	23.26	23.13				
20	16QAM	1	0	22.99	23.03	22.96				
20	16QAM	1	49	22.96	22.93	22.91	24.5	1		
20	16QAM	1	99	22.89	22.88	22.84				
20	16QAM	50	0	22.19	22.33	22.22				
20	16QAM	50	24	22.05	22.26	22.11				
20	16QAM	50	60	22.09	22.26	22.13	23.5	2		
20	16QAM	100	0	22.19	22.25	22.11				
20	64QAM	1	0	22.04	22.15	22.05				
20	64QAM	1	49	21.98	22.11	21.97	23.5	2		
20	64QAM	1	99	21.83	22.01	22.00				
20	64QAM	50	0	21.18	21.32	21.20				
20	64QAM	50	24	21.14	21.21	21.12	22.5	3		
20	64QAM	50	60	21.11	21.24	21.10				
20	64QAM	100	0	21.01	21.11	21.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.06	24.22	23.96				
15	QPSK	1	37	23.83	24.15	23.79	25.5	0		
15	QPSK	1	74	23.80	24.19	23.78				
15	QPSK	36	0	23.06	23.19	23.07				
15	QPSK	36	20	22.92	22.89	22.97	24.5	1		
15	QPSK	36	39	23.01	22.92	22.97				
15	QPSK	75	0	23.04	23.22	23.07				
15	16QAM	1	0	22.28	22.28	22.28	24.5	1		
15	16QAM	1	37	22.93	22.74	22.87				
15	16QAM	1	74	22.86	22.81	22.76	24.5	2		
15	16QAM	36	0	22.11	22.29	22.08				
15	16QAM	36	20	21.97	22.15	22.05	23.5	2		
15	16QAM	36	39	21.99	22.14	21.95				
15	16QAM	75	0	22.04	22.22	21.93				
15	16QAM	1	0	21.87	21.98	21.91	24.5	1		
15	64QAM	1	37	21.89	22.00	21.79	23.5	2		
15	64QAM	1	74	21.77	21.83	21.85				
15	64QAM	36	0	21.00	21.23	21.11				
15	64QAM	36	20	20.92	21.16	21.03	22.5	3		
15	64QAM	36	39	21.00	21.05	20.95				
15	64QAM	75	0	20.90	20.98	20.98				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.01	24.20	23.96				
10	QPSK	1	25	23.87	24.09	23.87	25.5	0		
10	QPSK	1	49	23.88	24.10	23.88				
10	QPSK	25	0	23.14	23.07	22.98				
10	QPSK	25	12	22.95	22.96	22.92	24.5	1		
10	QPSK	25	25	22.98	23.00	22.93				
10	QPSK	50	0	22.98	23.13	23.06				
10	16QAM	1	0	22.78	22.92	22.89				
10	16QAM	1	25	22.83	22.83	22.81	24.5	1		
10	16QAM	1	49	22.78	22.72	22.71				
10	16QAM	25	0	22.01	22.22	22.19				
10	16QAM	25	12	21.92	22.06	21.96	23.5	2		
10	16QAM	25	25	21.95	22.10	22.05				
10	16QAM	50	0	22.03	22.06	22.04				
10	64QAM	1	0	21.88	21.95	21.88				
10	64QAM	1	25	21.87	21.99	21.80	23.5	2		
10	64QAM	1	49	21.75	21.87	21.80				
10	64QAM	25	0	21.26	21.37	21.07				
10	64QAM	25	12	20.95	21.05	20.92	22.5	3		
10	64QAM	25	25	20.95	21.07	20.98				
10	64QAM	50	0	20.92	20.97	20.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.03	24.12	23.92				
5	QPSK	1	12	23.84	24.13	23.83	25.5	0		
5	QPSK	1	24	23.82	24.20	23.85				
5	QPSK	12	0	23.13	23.09	23.13				
5	QPSK	12	7	22.85	22.93	22.99	24.5	1		
5	QPSK	12	13	22.88	23.03	22.93				
5	QPSK	25	0	23.00	23.16	23.00				
5	16QAM	1	0	22.28	22.28	22.28	24.5	1		
5	16QAM	1	12	22.93	22.76	22.82				
5	16QAM	1	24	22.85	22.69	22.77	24.5	1		
5	16QAM	12	0	22.03	22.25	22.03				
5	16QAM	12	7	21.95	22.09	22.06	23.5	2		
5	16QAM	12	13	21.90	22.06	22.04				
5	16QAM	25	0	22.06	22.16	21.94				
5	64QAM	1	0	22.00	22.10	21.90	23.5	2		
5	64QAM	1	12	21.76	21.98	21.80				
5	64QAM	1	24	21.77	21.85	21.91				
5	64QAM	12	0	20.97	21.27	21.12				
5	64QAM	12	7	20.99	21.15	21.06	22.5	3		
5	64QAM	12	13	21.04	21.04	20.99				
5	64QAM	25	0	20.92	20.90	20.99				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.02	24.12	23.90				
3	QPSK	1	8	23.83	24.11	23.86	25.5	0		
3	QPSK	1	14	23.82	24.17	23.87				
3	QPSK	8	0	22.98	23.12	23.06				
3	QPSK	8	4	22.93	23.02	22.98	24.5	1		
3	QPSK	8	7	22.83	22.96	22.88				
3	QPSK	15	0	23.10	23.11	23.05				
3	16QAM	1	0	22.84	22.84	22.83				
3	16QAM	1	8	22.86	22.84	22.84	24.5	1		
3	16QAM	8	0	22.08	22.16	22.14				
3	16QAM	8	4	21.85	22.12	22.00	23.5	2		
3	16QAM	8	7	21.95	22.18	22.03				
3	16QAM	15	0	21.99	22.11	21.92				
3	64QAM	1	0	21.98	21.99	21.84				
3	64QAM	1	8	21.82	21.99	21.83	23.5	2		
3	64QAM	1	14	21.91	21.83	21.94				
3	64QAM	8	0	21.12	21.20	21.02				
3	64QAM	8	4	20.93	21.16	21.01	22.5	3		
3	64QAM	8	7	20.94	21.02	21.06				
3	64QAM	15	0	20.97	20.90	20.91				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.93	24.07	23.89				
1.4	QPSK	1	3	23.96	24.13	23.71	25.5	0		
1.4	QPSK	1	5	23.94	24.02	23.90				
1.4	QPSK	3	0	24.03	24.05	23.83				
1.4	QPSK	3	1	24.01	23.97	23.79	24.5	1		
1.4	QPSK	3	3	23.86	24.07	23.91				
1.4	QPSK	6	0	23.08	23.14	23.09				
1.4	16QAM	1	0	23.01	23.02	22.99	24.5	1		
1.4	16QAM	1	3	22.98	23.03	22.94				
1.4	16QAM	1	5	23.00	23.11	23.08	24.5	1		
1.4	16QAM	3	0	22.01	22.04	22.88				
1.4	16QAM	3	1	22.74	22.71	22.71				
1.4	16QAM	3	3	22.81	22.80	22.82	23.5	2		
1.4	16QAM	6	0	22.09	22.20	22.05				
1.4	64QAM	1	0	21.89	22.20	22.03				
1.4	64QAM	1	3	21.97	22.19	22.01	23.5	2		
1.4	64QAM	1	5	22.06	22.09	21.91				
1.4	64QAM	3	0	22.01	21.96	21.87				
1.4	64QAM	3	1	21.88	22.08	22.05	22.5	3		
1.4	64QAM	3	3	22.02	22.04	22.08				
1.4	64QAM	6	0	20.98	20.99	20.98	22.5	3		



Band 13 Ant1 Default										
BW (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.34	24.19	24.13				
10	QPSK	1	25	24.31			25.5	0		
10	QPSK	1	49	24.23						
10	QPSK	25	0	23.31						
10	QPSK	25	12	23.16			24.5	1		
10	QPSK	25	25	23.27						
10	QPSK	50	0	23.32						
10	16QAM	1	0	23.31						
10	16QAM	1	25	23.18			24.5	1		
10	16QAM	1	49	23.28						
10	16QAM	25	0	22.31						
10	16QAM	25	12	22.17			23.5	2		
10	16QAM	25	25	22.26						
10	16QAM	50	0	22.36						
10	64QAM	1	0	22.23						
10	64QAM	1	25	22.10			23.5	2		
10	64QAM	1	49	22.20						
10	64QAM	25	0	21.37						
10	64QAM	25	12	21.31			22.5	3		
10	64QAM	25	25	21.26						
10	64QAM	50	0	21.29						
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.15	24.19	24.13				
5	QPSK	1	12	24.20	24.14	24.13				
5	QPSK	1	24	24.08	24.19	24.07				
5	QPSK	12	0	23.24	23.13	23.27				
5	QPSK	12	7	22.97	23.10	23.07	24.5	1		
5	QPSK	12	13	23.21	23.18	23.24				
5	QPSK	25	0	23.19	23.10	23.29				
5	16QAM	1	0	23.12	23.12	23.27				
5	16QAM	1	12	22.98	23.15	23.15	24.5	1		
5	16QAM	1	24	23.23	23.21	23.12				
5	16QAM	12	0	22.14	22.10	22.20				
5	16QAM	12	7	22.14	22.11	21.99	23.5	2		
5	16QAM	12	13	22.16	22.22	22.12				
5	16QAM	25	0	22.31	22.30	22.31				
5	64QAM	1	0	22.02	22.06	22.20				
5	64QAM	1	12	21.96	22.03	21.96	23.5	2		
5	64QAM	1	24	22.15	22.04	22.11				
5	64QAM	12	0	21.34	21.29	21.32				
5	64QAM	12	7	21.22	21.09	21.21	22.5	3		
5	64QAM	12	13	21.09	21.14	21.12				
5	64QAM	25	0	21.23	21.23	21.19				

Band 26 Ant1 Default									
BW (MHz)	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26275					
Frequency (MHz)				821.5					
15	QPSK	1	0	24.02	24.41	24.19			
15	QPSK	1	37	23.92	24.29	24.14	25.5	0	
15	QPSK	1	74	23.97	24.28	24.08			
15	QPSK	36	0	22.98	23.11	23.06			
15	QPSK	36	20	22.97	23.00	23.00	24.5	1	
15	QPSK	36	39	22.86	22.97	23.01			
15	QPSK	75	0	23.01	23.15	23.14			
15	16QAM	1	0	23.02	23.17	23.11			
15	16QAM	1	37	22.87	23.03	23.06	24.5	1	
15	16QAM	1	74	22.93	23.08	23.04			
15	16QAM	36	0	22.02	22.20	22.00			
15	16QAM	36	20	21.91	22.12	21.95	23.5	2	
15	16QAM	36	39	21.94	22.16	21.96			
15	16QAM	75	0	21.87	22.17	22.02			
15	64QAM	1	0	22.02	22.12	22.13			
15	64QAM	1	37	21.92	22.00	22.02	23.5	2	
15	64QAM	1	74	21.99	22.04	22.05			
15	64QAM	36	0	20.83	21.04	20.83			
15	64QAM	36	20	20.78	20.94	20.85	22.5	3	
15	64QAM	36	39	20.69	21.04	20.90			
15	64QAM	75	0	20.88	21.08	21.08			
Channel				26280					
Frequency (MHz)				819					
10	QPSK	1	0	23.86	24.38	23.98			
10	QPSK	1	25	23.80	24.24	23.92	25.5	0	
10	QPSK	1	49	23.89	24.10	23.92			
10	QPSK	25	0	22.89	22.98	23.00			
10	QPSK	25	12	22.67	22.85	22.82	24.5	1	
10	QPSK	25	25	22.81	22.85	22.79			
10	QPSK	50	0	22.92	23.11	23.11			
10	16QAM	1	0	22.99	22.85	22.92			
10	16QAM	1	25	22.72	22.82	22.87	24.5	1	
10	16QAM	1	49	22.89	22.93	22.94			
10	16QAM	25	0	21.83	22.15	21.96			
10	16QAM	25	12	21.70	22.10	21.91	23.5	2	
10	16QAM	25	25	21.78	22.11	21.85			
10	16QAM	50	0	21.80	22.09	21.98			
10	64QAM	1	0	21.91	22.05	21.94			
10	64QAM	1	25	21.89	21.85	21.90	23.5	2	
10	64QAM	1	49	21.78	22.02	21.93			
10	64QAM	25	0	20.75	21.04	20.82			
10	64QAM	25	12	20.68	20.92	20.80	22.5	3	
10	64QAM	25	25	20.58	20.86	20.73			
10	64QAM	50	0	20.60	20.85	20.65			
Channel				26275					
Frequency (MHz)				816.5					
5	QPSK	1	0	23.82	24.26	24.13			
5	QPSK	1	12	23.81	24.26	24.08	25.5	0	
5	QPSK	1	24	23.83	24.15	23.93			
5	QPSK	12	0	22.95	23.03	22.91			
5	QPSK	12	7	22.80	22.88	22.90	24.5	1	
5	QPSK	12	13	22.78	22.83	22.86			
5	QPSK	25	0	22.88	23.04	22.99			
5	16QAM	1	0	22.85	23.01	22.91			
5	16QAM	1	12	22.66	22.93	23.00	24.5	1	
5	16QAM	1	24	22.82	22.87	23.00			
5	16QAM	12	0	21.96	22.05	21.80			
5	16QAM	12	7	21.74	21.93	21.84	23.5	2	
5	16QAM	12	13	21.90	21.96	21.83			
5	16QAM	25	0	21.82	22.03	21.88			
5	64QAM	1	0	21.85	21.98	21.91			
5	64QAM	1	12	21.86	21.95	21.98	23.5	2	
5	64QAM	1	24	21.92	21.84	22.02			
5	64QAM	12	0	20.61	20.86	20.65			
5	64QAM	12	7	20.69	20.75	20.75	22.5	3	
5	64QAM	12	13	20.65	20.88	20.84			
5	64QAM	25	0	20.73	20.99	20.98			
Channel				26280					
Frequency (MHz)				815.5					
3	QPSK	1	0	23.91	24.32	24.00			
3	QPSK	1	8	23.83	24.25	24.04	25.5	0	
3	QPSK	1	14	23.88	24.17	23.91			
3	QPSK	8	0	22.77	22.99	22.85			
3	QPSK	8	4	22.78	22.87	22.80	24.5	1	
3	QPSK	8	7	22.81	22.88	22.81			
3	QPSK	15	0	22.98	23.01	23.06			
3	16QAM	1	0	23.00	23.96	23.05			
3	16QAM	1	8	22.81	22.89	22.91	24.5	1	
3	16QAM	1	14	22.78	23.05	22.92			
3	16QAM	8	0	21.90	22.02	21.96			
3	16QAM	8	4	21.79	21.91	21.83	23.5	2	
3	16QAM	8	7	21.76	22.11	21.83			
3	16QAM	15	0	21.70	21.96	21.87			
3	64QAM	1	0	21.87	22.06	22.11			
3	64QAM	1	8	21.85	21.87	21.82	23.5	2	
3	64QAM	1	14	21.80	22.02	21.85			
3	64QAM	8	0	20.81	21.03	20.90			
3	64QAM	8	4	20.67	20.82	20.65	22.5	3	
3	64QAM	8	7	20.47	20.96	20.75			
3	64QAM	15	0	20.78	21.02	20.68			
Channel				26997					
Frequency (MHz)				814.7					
1.4	QPSK	1	0	23.93	24.26	23.99			
1.4	QPSK	1	3	23.74	24.09	23.94	25.5	0	
1.4	QPSK	1	5	23.92	24.10	24.02			

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 [MHz]	MPR [dB]		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.01	24.12	24.08				
20	QPSK	1	49	23.91	24.02	24.01		25.5	0	
20	QPSK	1	99	23.88	24.06	23.98				
20	QPSK	50	0	23.01	23.11	23.06				
20	QPSK	50	24	22.98	22.96	22.98		24.5	1	
20	QPSK	50	50	22.86	23.07	22.93				
20	QPSK	100	0	23.04	23.09	22.97				
20	16QAM	1	0	22.86	23.07	23.01				
20	16QAM	1	49	22.92	22.83	22.85		24.5	1	
20	16QAM	1	99	22.77	22.93	22.84				
20	16QAM	50	0	22.07	22.12	22.06				
20	16QAM	50	24	22.04	21.99	22.01		23.5	2	
20	16QAM	50	50	22.00	22.06	21.98				
20	16QAM	100	0	22.00	22.11	22.08				
20	64QAM	1	0	22.11	22.22	22.18				
20	64QAM	1	49	22.00	22.12	22.09		23.5	2	
20	64QAM	1	99	21.87	22.02	22.03				
20	64QAM	50	0	21.10	21.20	21.15				
20	64QAM	50	24	21.01	21.08	21.08		22.5	3	
20	64QAM	50	50	20.99	21.12	21.08				
20	64QAM	100	0	21.07	21.19	21.10				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.90	23.94	23.90				
15	QPSK	1	37	23.88	23.90	23.84		26	0	
15	QPSK	1	74	23.85	23.98	23.82				
15	QPSK	36	0	22.87	22.93	22.89				
15	QPSK	36	20	22.92	22.81	22.81		24.5	1	
15	QPSK	36	39	22.86	22.88	22.87				
15	QPSK	75	0	22.98	22.91	22.88				
15	16QAM	1	0	22.83	23.02	22.92				
15	16QAM	1	37	22.77	22.73	22.76		24.5	1	
15	16QAM	1	74	22.66	22.90	22.73				
15	16QAM	36	0	21.94	21.90	21.87				
15	16QAM	36	20	21.97	21.78	21.86		23.5	2	
15	16QAM	36	39	21.81	22.02	21.93				
15	16QAM	75	0	21.83	22.03	22.05				
15	64QAM	1	0	22.07	22.08	22.14				
15	64QAM	1	37	21.88	21.91	22.01		23.5	2	
15	64QAM	1	74	21.84	21.97	21.84				
15	64QAM	36	0	21.01	21.00	21.02				
15	64QAM	36	39	20.80	20.87	20.90		22.5	3	
15	64QAM	36	39	20.90	20.91	21.04				
15	64QAM	75	0	20.86	21.16	21.06				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.94	24.00	23.94				
10	QPSK	1	25	23.86	23.81	23.91		25.5	0	
10	QPSK	1	49	23.70	23.66	23.95				
10	QPSK	25	0	22.82	22.96	22.96				
10	QPSK	25	12	22.77	22.86	22.92		24.5	1	
10	QPSK	25	25	22.81	23.00	22.79				
10	QPSK	50	0	22.94	22.94	22.80				
10	16QAM	1	0	22.80	23.01	22.85				
10	16QAM	1	25	22.83	22.73	22.81		24.5	1	
10	16QAM	1	49	22.84	22.86	22.68				
10	16QAM	25	0	21.90	22.06	22.03				
10	16QAM	25	12	22.00	21.91	21.81		23.5	2	
10	16QAM	25	25	21.85	21.85	21.88				
10	16QAM	50	0	21.85	21.94	21.97				
10	64QAM	1	0	22.07	22.11	22.08				
10	64QAM	1	25	21.95	22.08	22.01		23.5	2	
10	64QAM	1	49	21.88	21.86	21.83				
10	64QAM	25	0	21.02	21.11	21.08				
10	64QAM	25	12	20.95	20.88	21.05		22.5	3	
10	64QAM	25	25	20.87	21.09	21.06				
10	64QAM	50	0	21.01	21.11	20.90				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.98	24.07	24.04				
5	QPSK	1	12	23.86	23.94	23.95		25.5	0	
5	QPSK	1	24	23.67	23.87	23.85				
5	QPSK	12	0	22.97	23.00	22.95				
5	QPSK	12	7	22.88	22.85	22.87		24.5	1	
5	QPSK	12	13	22.73	22.89	22.87				
5	16QAM	1	0	22.79	22.99	22.90				
5	16QAM	1	12	22.74	22.81	22.69		24.5	1	
5	16QAM	1	24	22.84	22.74	22.72				
5	16QAM	12	0	22.01	21.91	21.94				
5	16QAM	12	7	21.88	21.81	21.97		23.5	2	
5	16QAM	12	13	21.81	22.03	21.83				
5	16QAM	25	0	21.85	21.98	21.93				
5	64QAM	1	0	22.07	22.01	22.03		23.5	2	
5	64QAM	1	12	21.81	21.97	21.89				
5	64QAM	1	24	21.72	21.89	21.82				
5	64QAM	12	0	20.92	21.17	21.11				
5	64QAM	12	7	20.87	21.03	21.07		22.5	3	
5	64QAM	12	13	20.79	20.94	21.05				
5	64QAM	25	0	20.88	20.99	20.99				

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [MHz]	MPR [dB]		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2548.5	2593				
20	QPSK	1	0	23.91	23.98	24.15				
20	QPSK	1	49	23.84	23.85	24.12		25.5	0	
20	QPSK	1	99	23.80	23.89	24.01				
20	QPSK	50	0	23.04	23.09	23.14				
20	QPSK	50	24	22.91	23.00	23.05		24.5	1	
20	QPSK	50	50	22.98	22.98	23.01				
20	QPSK	100	0	22.95	23.03	23.07				
20	16QAM	1	0	23.05	22.99	23.10				
20	16QAM	1	49	22.93	22.85	23.03		24.5	1	
20	16QAM	1	99	22.99	22.95	23.04				
20	16QAM	50	0	21.88	21.94	21.97				
20	16QAM	50	24	21.74	21.86	21.85		23.5	2	
20	16QAM	50	50	21.76	21.88	21.88				
20	16QAM	100	0	22.00	22.03	22.09				
20	64QAM	1	0	22.12	22.04	22.18				
20	64QAM	1	49	22.08	21.97	22.05		23.5	2	
20	64QAM	1	99	21.98	21.96	22.06				
20	64QAM	50	0	21.04	20.99	21.08				
20	64QAM	50	24	20.98	20.89	20.93		22.5	3	
20	64QAM	50	50	20.93	20.85	20.99				
20	64QAM	100	0	20.98	21.01	21.10				
Channel				39725	40173	40620				
Frequency (MHz)				2503.5	2548.3	2593				
15	QPSK	1	0	23.70	23.79	24.06				
15	QPSK	1	37	23.78	23.70	24.07		26	0	
15	QPSK	1	74	23.61	23.68	23.84				
15	QPSK	36	0	22.84	22.92	22.98				
15	QPSK	36	20	22.86	22.92	22.99		24.5	1	
15	QPSK	36	39	22.91	22.88	22.91				
15	QPSK	75	0	22.82	22.82	23.04				
15	16QAM	1	0	22.86	22.89	22.89				
15	16QAM	1	37	22.80	22.82	22.91		24.5	1	
15	16QAM	1	74	22.94	22.78	22.89				
15	16QAM	36	0	21.70	21.79	21.83				
15	16QAM	36	20	21.52	21.79	21.88		23.5	2	
15	16QAM	36	39	21.85	21.80	21.75</				

GSM850 An4 DSH1									
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)	182.2	183.4	183.8	30.00	19.12	19.24	19.18	21.00	
GSM 1 Tx slot	29.00	29.18	29.28	30.00	20.00	20.18	20.28	21.00	
GPRS 1 Tx slot	29.02	29.22	29.32	30.00	20.02	20.22	20.32	21.00	
GPRS 2 Tx slots	25.85	25.94	25.94	27.50	19.85	19.94	19.94	21.50	
GPRS 3 Tx slots	23.57	23.74	23.74	25.50	18.31	18.48	18.48	21.24	
GPRS 4 Tx slots	22.54	22.71	22.71	24.50	18.54	19.57	19.51	21.50	
EDGE 1 Tx slot	23.14	23.14	23.03	24.50	14.14	14.14	14.03	15.50	
EDGE 2 Tx slots	20.45	20.67	20.51	22.00	14.45	14.67	14.51	18.00	
EDGE 3 Tx slots	18.01	18.04	18.07	20.00	13.75	13.78	13.91	15.74	
EDGE 4 Tx slots	18.92	17.10	18.74	18.50	13.92	14.10	13.74	15.50	

GSM1900 An4 Default									
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	861	810		512	861	810		
Frequency (MHz)	1850.2	1860	1909.8	30.00	18.50	18.60	18.50	21.00	
GSM 1 Tx slot	28.87	28.98	29.27	30.00	19.87	19.98	20.27	21.00	
GPRS 1 Tx slot	28.91	29.00	29.31	30.00	19.91	20.00	20.31	21.00	
GPRS 2 Tx slots	26.05	26.48	26.43	27.50	20.05	20.48	20.43	21.50	
GPRS 3 Tx slots	24.17	24.23	24.59	25.00	19.91	19.97	20.33	20.74	
GPRS 4 Tx slots	22.87	22.77	23.07	23.50	19.87	19.77	20.07	20.50	
EDGE 1 Tx slot	25.33	25.38	25.73	26.00	16.33	16.38	16.73	17.00	
EDGE 2 Tx slots	22.27	22.39	22.44	22.50	16.27	16.39	16.44	16.50	
EDGE 3 Tx slots	20.44	20.46	20.42	20.50	16.18	16.20	16.16	16.24	
EDGE 4 Tx slots	19.40	19.33	19.46	19.50	16.40	16.33	16.46	16.50	

Band	WCDMA II An4 DSH1			WCDMA IV An4 DSH1			WCDMA V An4 DSH1		
	9262	9400	9538	1312	1413	1513	4132	4182	4233
Tx Channel	9662	9800	9938	1537	1638	1739	4357	4407	4458
Rx Channel	9662	9800	9938	1537	1638	1739	4357	4407	4458
Frequency (MHz)	1852.4	1860	1869.8	1742.4	1732.2	1742.2	3564	3564	3568
3GPP Rel 99	AMR 12.2kbps	17.75	17.82	17.72	19.00	13.96	14.15	14.05	15.50
3GPP Rel 99	RMC 12.2kbps	17.80	17.85	17.74	19.00	14.03	14.23	13.93	15.50
3GPP Rel 6	HSDPA Subtest-1	16.63	16.85	18.77	18.00	12.94	13.08	13.04	14.50
3GPP Rel 6	HSDPA Subtest-2	16.70	16.79	16.87	18.00	12.97	13.05	12.96	14.50
3GPP Rel 6	HSDPA Subtest-3	16.25	16.41	16.31	17.50	12.44	12.51	12.52	14.00
3GPP Rel 6	HSDPA Subtest-4	16.20	16.37	16.21	17.50	12.48	12.49	12.50	14.00
3GPP Rel 6	DC-HSDPA Subtest-1	16.86	16.79	16.71	18.00	12.94	12.99	12.94	14.50
3GPP Rel 6	DC-HSDPA Subtest-2	16.58	16.65	16.69	18.00	12.94	12.95	12.96	14.50
3GPP Rel 6	DC-HSDPA Subtest-3	16.08	16.36	16.27	17.50	12.45	12.56	12.44	14.00
3GPP Rel 6	DC-HSDPA Subtest-4	16.03	16.16	16.11	17.50	12.35	12.47	12.39	14.00
3GPP Rel 6	HSUPA Subtest-1	16.60	16.68	16.64	18.00	12.83	12.91	12.84	14.50
3GPP Rel 6	HSUPA Subtest-2	14.69	14.85	14.80	18.00	10.90	11.11	11.02	12.50
3GPP Rel 6	HSUPA Subtest-3	15.84	15.98	15.84	17.00	12.04	12.13	11.98	13.50
3GPP Rel 6	HSUPA Subtest-4	14.85	14.76	14.65	16.00	10.89	11.09	10.80	12.50
3GPP Rel 6	HSUPA Subtest-5	16.63	16.71	16.66	18.00	12.82	13.02	12.84	14.50
3GPP Rel 7	HSPA+ (eHSPA) Subtest-1	14.25	14.33	14.25	15.50	10.48	10.65	10.52	12.00



Band 2 Ant4 DSI1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
18600 18900 19150										
Frequency (MHz)										
20	QPSK	1	0	18.05	18.16	18.15				
20	QPSK	1	49	18.03	18.14	17.89	19.5	0		
20	QPSK	1	99	17.92	18.15	18.14				
20	QPSK	50	0	18.04	18.12	18.08				
20	QPSK	50	24	18.09	18.11	17.90	19.5	0		
20	QPSK	50	74	17.85	18.11	18.10				
20	QPSK	100	0	18.08	18.09	18.08				
20	16QAM	1	0	18.02	18.08	17.98				
20	16QAM	1	49	17.92	18.12	18.04	19.5	0		
20	16QAM	1	99	18.07	18.14	18.12				
20	16QAM	50	0	18.14	18.06	17.94				
20	16QAM	50	24	17.85	18.11	18.10	19.5	0		
20	16QAM	50	74	18.05	18.14	18.12				
20	16QAM	100	0	18.13	18.10	17.93				
20	64QAM	1	0	17.92	18.15	18.12				
20	64QAM	1	49	18.01	18.13	18.09	19.5	0		
20	64QAM	1	99	18.08	18.09	17.94				
20	64QAM	50	0	17.91	18.12	18.02				
20	64QAM	50	24	18.09	18.04	18.08	19.5	0		
20	64QAM	50	74	17.85	18.05	17.96				
20	64QAM	100	0	17.94	18.15	18.04				
Channel										
18675 18900 19125										
Frequency (MHz)										
15	QPSK	1	0	17.85	18.00	18.07				
15	QPSK	1	37	17.97	18.02	17.80	19.5	0		
15	QPSK	1	74	17.76	18.08	18.02				
15	QPSK	36	0	17.98	18.06	17.98				
15	QPSK	36	20	18.04	17.97	17.84	19.5	0		
15	QPSK	36	39	17.81	17.96	17.96				
15	QPSK	75	0	17.84	17.96	17.93				
15	16QAM	1	0	17.87	18.02	17.92				
15	16QAM	1	37	17.82	18.02	17.96	19.5	0		
15	16QAM	1	74	18.01	18.00	18.10				
15	16QAM	36	0	18.00	17.95	17.85				
15	16QAM	36	20	17.85	18.00	18.00	19.5	0		
15	16QAM	36	39	17.83	18.02	18.01				
15	16QAM	75	0	18.06	17.97	17.95				
15	16QAM	75	0	17.82	18.11	18.06	19.5	0		
15	64QAM	1	37	17.96	18.03	17.96				
15	64QAM	1	74	17.96	18.03	17.83				
15	64QAM	36	0	17.82	18.08	17.88				
15	64QAM	36	20	17.97	17.88	18.04	19.5	0		
15	64QAM	36	39	17.87	18.09	17.98				
15	64QAM	75	0	17.85	18.03	17.95				
Channel										
18850 18900 19150										
Frequency (MHz)										
10	QPSK	1	0	17.93	18.09	18.08				
10	QPSK	1	25	17.92	18.01	17.74	19.5	0		
10	QPSK	1	49	17.85	18.07	18.00				
10	QPSK	25	0	17.88	18.06	18.00				
10	QPSK	25	12	18.04	17.95	17.82	19.5	0		
10	QPSK	25	25	17.86	18.07	17.92				
10	QPSK	50	0	17.99	18.00	18.01				
10	16QAM	1	0	17.88	18.02	17.88				
10	16QAM	1	25	17.78	18.04	18.00	19.5	0		
10	16QAM	1	49	18.02	18.04	18.10				
10	16QAM	25	0	18.07	17.95	17.90				
10	16QAM	25	12	17.77	17.96	17.95	19.5	0		
10	16QAM	25	25	17.95	18.06	18.03				
10	16QAM	50	0	18.06	18.01	17.79				
10	64QAM	1	0	17.83	18.04	17.97				
10	64QAM	1	25	17.86	17.97	17.97	19.5	0		
10	64QAM	1	49	18.01	17.99	17.86				
10	64QAM	25	0	17.87	18.03	17.86				
10	64QAM	25	12	17.88	18.12	18.02	19.5	0		
10	64QAM	25	25	17.99	17.95	17.91				
10	64QAM	50	0	17.81	18.00	17.93				
Channel										
18825 18900 19175										
Frequency (MHz)										
5	QPSK	1	0	17.83	18.00	18.05				
5	QPSK	1	12	17.84	18.01	17.76	19.5	0		
5	QPSK	1	24	17.78	18.05	18.06				
5	QPSK	12	0	17.99	17.99	18.02				
5	QPSK	12	7	18.04	18.06	17.81	19.5	0		
5	QPSK	12	13	17.92	17.95	17.83				
5	QPSK	25	0	18.01	18.03	18.04				
5	16QAM	1	0	17.82	18.01	17.98				
5	16QAM	1	12	17.87	18.07	17.90	19.5	0		
5	16QAM	1	24	17.95	18.07	18.07				
5	16QAM	12	0	18.05	18.01	17.87				
5	16QAM	12	7	17.87	18.05	17.97	19.5	0		
5	16QAM	12	13	17.94	18.04	18.03				
5	16QAM	25	0	18.08	17.99	17.82				
5	64QAM	1	0	17.78	18.10	18.01				
5	64QAM	1	12	17.90	18.04	18.05	19.5	0		
5	64QAM	1	24	17.93	18.04	17.80				
5	64QAM	12	0	17.88	17.98	17.96				
5	64QAM	12	7	18.02	18.11	17.93	19.5	0		
5	64QAM	12	13	18.02	17.94	17.90				
5	64QAM	25	0	17.85	18.07	17.93				
Channel										
18915 18900 19165										
Frequency (MHz)										
3	QPSK	1	0	17.92	18.08	18.03				
3	QPSK	1	8	17.95	18.07	17.76	19.5	0		
3	QPSK	1	14	17.77	18.06	18.01				
3	QPSK	8	0	17.83	17.97	17.99				
3	QPSK	8	4	17.99	18.02	17.78	19.5	0		
3	QPSK	8	7	17.91	17.96	17.85				
3	QPSK	15	0	17.99	18.03	17.97				
3	16QAM	1	0	17.83	18.00	17.83				
3	16QAM	1	8	17.86	18.04	17.96	19.5	0		
3	16QAM	1	14	17.84	18.02	18.03				
3	16QAM	8	0	18.10	18.00	17.80				
3	16QAM	8	4	17.84	18.02	17.95	19.5	0		
3	16QAM	8	7	17.89	18.07	18.04				
3	16QAM	15	0	18.04	18.01	17.88				
3	64QAM	1	0	17.83	18.05	18.01				
3	64QAM	1	8	17.85	17.97	17.98	19.5	0		
3	64QAM	1	14	18.00	18.01	17.86				
3	64QAM	8	0	17.77	18.05	17.91				
3	64QAM	8	4	18.00	18.08	17.98	19.5	0		
3	64QAM	8	7	17.93	17.89	17.82				
3	64QAM	15	0	17.83	18.09	17.91				
Channel										
18607 18900 19193										
Frequency (MHz)										
1.4	QPSK	1	0	17.83	18.06	18.10				
1.4	QPSK	1	3	17.87	18.04	17.78	19.5	0		
1.4	QPSK	1	5	17.85	18.08	18.07				
1.4	QPSK	3	0	17.86	18.04	17.93				
1.4	QPSK	3	1	17.84	18.00	17.82				
1.4	QPSK	3	3	17.81	18.05	17.99	19.5	0		
1.4	QPSK	6	0	17.85	17.98	17.93				
1.4	16QAM	1	0	17.80	18.01	17.96				
1.4	16QAM	1	3	17.83	18.02	17.85	19.5	0		
1.4	16QAM	1	5	17.96	18.06	18.10				
1.4	16QAM	3	0	18.02	17.86	17.88				
1.4	16QAM	3	1	17.79	17.97	17.98	19.5	0		
1.4	16QAM	3	3	18.00	18.04	17.97				
1.4	16QAM	6	0	17.85	18.02	17.79				
1.4	64QAM	1	0	17.76	18.05	18.07				
1.4	64QAM	1	3	17.95	18.05	17.98	19.5	0		
1.4	64QAM	1	5	18.00	17.94	17.88				
1.4	64QAM	3	0	17.76	18.04	17.90				
1.4	64QAM	3	1	17.87	18.15	18.				



Band 13 Ant4 Default										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.24	24.10	24.14				
10	QPSK	1	25	24.05	24.05	24.05	25.5	0		
10	QPSK	1	49	24.23	24.23	24.23				
10	QPSK	25	0	23.17	23.17	23.17	24.5	1		
10	QPSK	25	12	22.96	22.96	22.96				
10	QPSK	25	25	22.99	22.99	22.99				
10	QPSK	50	0	23.06	23.06	23.06				
10	16QAM	1	0	23.18	23.18	23.18	24.5	1		
10	16QAM	1	25	23.07	23.07	23.07				
10	16QAM	1	49	23.04	23.04	23.04				
10	16QAM	25	0	22.06	22.06	22.06	23.5	2		
10	16QAM	25	12	22.07	22.07	22.07				
10	16QAM	25	25	22.18	22.18	22.18				
10	16QAM	50	0	22.11	22.11	22.11				
10	16QAM	1	0	22.34	22.34	22.34	23.5	2		
10	16QAM	1	25	22.45	22.45	22.45				
10	16QAM	1	49	22.43	22.43	22.43				
10	16QAM	25	0	21.32	21.32	21.32	22.5	3		
10	16QAM	25	12	21.23	21.23	21.23				
10	16QAM	25	25	21.43	21.43	21.43				
10	16QAM	50	0	21.28	21.28	21.28				
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.05	24.10	24.14				
5	QPSK	1	12	23.89	24.01	23.96	25.5	0		
5	QPSK	1	24	24.06	24.11	24.11				
5	QPSK	12	0	23.14	22.98	22.98				
5	QPSK	12	7	22.87	22.86	22.85	24.5	1		
5	QPSK	12	13	22.85	22.92	22.88				
5	QPSK	25	0	22.99	23.00	22.99				
5	16QAM	1	0	23.04	23.04	22.99	24.5	1		
5	16QAM	1	12	22.93	23.03	22.85				
5	16QAM	1	24	22.83	22.84	22.99				
5	16QAM	12	0	21.99	21.91	21.85	23.5	2		
5	16QAM	12	7	21.97	21.97	21.89				
5	16QAM	12	13	22.02	21.99	22.07				
5	16QAM	25	0	21.96	22.02	21.92				
5	16QAM	1	0	22.16	22.24	22.15	23.5	2		
5	16QAM	1	12	22.30	22.40	22.23				
5	16QAM	1	24	22.38	22.29	22.23				
5	16QAM	12	0	21.16	21.11	21.12	22.5	3		
5	16QAM	12	7	21.10	21.17	21.03				
5	16QAM	12	13	21.25	21.21	21.23				
5	16QAM	25	0	21.08	21.19	21.08				

Band 26 Ant4 DS11									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765					
Frequency (MHz)				821.5					
15	QPSK	1	0	21.81	22.11	21.93	23.5	0	
15	QPSK	1	37	21.83	22.05	21.88			
15	QPSK	1	74	21.84	22.02	21.88			
15	QPSK	36	0	21.87	22.09	21.91	23.5	0	
15	QPSK	36	20	21.86	22.08	21.87			
15	QPSK	36	39	21.88	22.03	21.93			
15	QPSK	75	0	21.82	22.09	21.91			
15	16QAM	1	0	21.88	22.05	21.93	23.5	0	
15	16QAM	1	37	21.81	22.05	21.91			
15	16QAM	1	74	21.85	22.10	21.89			
15	16QAM	36	0	21.82	22.07	21.88	23.5	0	
15	16QAM	36	20	21.81	22.04	21.90			
15	16QAM	36	39	21.85	22.01	21.88			
15	16QAM	75	0	21.87	22.07	21.93			
15	16QAM	1	0	21.77	22.00	21.92	23.5	0	
15	16QAM	1	37	21.84	22.05	21.92			
15	16QAM	1	74	21.86	22.06	21.92			
15	16QAM	36	0	21.82	22.07	21.88	22.5	1	
15	16QAM	36	20	21.81	22.04	21.92			
15	16QAM	36	39	21.87	21.47	21.32			
15	16QAM	36	39	21.32	21.39	21.36			
15	16QAM	75	0	21.32	21.40	21.33			
Channel				26740					
Frequency (MHz)				819					
10	QPSK	1	0	21.73	21.99	21.80	23.5	0	
10	QPSK	1	25	21.76	21.92	21.80			
10	QPSK	1	49	21.70	21.93	21.75			
10	QPSK	25	0	21.77	21.98	21.79	23.5	0	
10	QPSK	25	12	21.80	21.98	21.83			
10	QPSK	25	25	21.79	21.88	21.85			
10	QPSK	50	0	21.73	22.01	21.79	23.5	0	
10	16QAM	1	0	21.76	21.95	21.78	23.5	0	
10	16QAM	1	25	21.76	21.94	21.85			
10	16QAM	1	49	21.70	21.94	21.76			
10	16QAM	25	0	21.76	22.02	21.78	23.5	0	
10	16QAM	25	12	21.73	21.96	21.82			
10	16QAM	25	25	21.70	21.94	21.81			
10	16QAM	50	0	21.78	21.96	21.83	23.5	0	
10	16QAM	1	0	21.75	21.91	21.88			
10	16QAM	1	25	21.73	21.92	21.78	23.5	0	
10	16QAM	1	49	21.73	21.98	21.80			
10	16QAM	25	0	21.27	21.27	20.99	22.5	1	
10	16QAM	25	12	21.30	21.37	21.27			
10	16QAM	25	25	21.23	21.31	21.20			
10	16QAM	50	0	21.27	21.27	21.17			
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	21.76	21.99	21.85	23.5	0	
5	QPSK	1	12	21.73	21.98	21.74			
5	QPSK	1	24	21.71	21.95	21.78			
5	QPSK	12	0	21.75	21.95	21.78	23.5	0	
5	QPSK	12	7	21.72	22.04	21.78			
5	QPSK	12	13	21.83	21.92	21.87			
5	QPSK	25	0	21.75	21.93	21.77	23.5	0	
5	16QAM	1	0	21.75	21.91	21.79			
5	16QAM	1	12	21.71	21.95	21.85	23.5	0	
5	16QAM	1	24	21.77	22.01	21.78			
5	16QAM	12	0	21.72	21.93	21.76	23.5	0	
5	16QAM	12	7	21.71	21.91	21.80			
5	16QAM	12	13	21.72	21.88	21.78			
5	16QAM	25	0	21.82	21.99	21.80	23.5	0	
5	16QAM	1	0	21.76	21.88	21.81			
5	16QAM	1	12	21.72	21.93	21.83	23.5	0	
5	16QAM	1	24	21.80	22.01	21.83			
5	16QAM	12	0	21.18	21.20	21.06	22.5	1	
5	16QAM	12	7	21.27	21.37	21.22			
5	16QAM	12	13	21.25	21.35	21.26			
5	16QAM	25	0	21.27	21.31	21.24			
Channel				26705					
Frequency (MHz)				815.5					
3	QPSK	1	0	21.77	22.00	21.84	23.5	0	
3	QPSK	1	8	21.77	21.94	21.82			
3	QPSK	1	14	21.78	21.91	21.78			
3	QPSK	8	0	21.73	21.96	21.80	23.5	0	
3	QPSK	8	4	21.80	22.04	21.75			
3	QPSK	8	7	21.73	21.88	21.86			
3	QPSK	15	0	21.76	21.95	21.86	23.5	0	
3	16QAM	1	0	21.76	21.97	21.89			
3	16QAM	1	8	21.72	21.99	21.86	23.5	0	
3	16QAM	1	14	21.80	22.05	21.75			
3	16QAM	8	0	21.77	21.99	21.75	23.5	0	
3	16QAM	8	4	21.76	21.94	21.80			
3	16QAM	8	7	21.71	21.89	21.81			
3	16QAM	15	0	21.72	22.00	21.88	23.5	0	
3	16QAM	1	0	21.76	21.93	21.85			
3	16QAM	1	8	21.79	21.98	21.83	23.5	0	
3	16QAM	1	14	21.81	21.96	21.81			
3	16QAM	8	0	21.28	21.32	21.10	22.5	1	
3	16QAM	8	4	21.30	21.39	21.21			
3	16QAM	8	7	21.25	21.28	21.27			
3	16QAM	15	0	21.22	21.29	21			

Band 38 Ant4 DS1I											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [dB]	MPR [dB]			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	20.03	20.23	20.14					
20	QPSK	1	49	19.89	20.08	20.02	21.5	0			
20	QPSK	1	99	19.87	20.13	20.04					
20	QPSK	50	0	19.92	20.21	20.05					
20	QPSK	50	24	19.97	20.19	20.00	21.5	0			
20	QPSK	50	50	19.91	20.18	19.99					
20	QPSK	100	0	19.92	20.17	20.03					
20	16QAM	1	0	19.93	20.06	20.01					
20	16QAM	1	49	19.95	19.91	19.99	21.5	0			
20	16QAM	1	99	20.00	19.91	19.97					
20	16QAM	50	0	20.00	19.98	19.94					
20	16QAM	50	24	19.93	19.94	19.96	21.5	0			
20	16QAM	50	50	19.93	19.92	19.90					
20	16QAM	100	0	19.96	19.94	19.96					
20	64QAM	1	0	19.84	20.00	19.94					
20	64QAM	1	49	19.90	19.86	19.87	21.5	0			
20	64QAM	1	99	19.87	19.88	19.90					
20	64QAM	50	0	19.89	19.87	19.86					
20	64QAM	50	24	19.95	19.94	19.84	21.5	0			
20	64QAM	50	50	19.92	19.91	19.85					
20	64QAM	100	0	19.89	19.84	19.90					
Channel				37825	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	19.96	20.12	20.01					
15	QPSK	1	37	19.84	19.92	19.90	21.5	0			
15	QPSK	1	74	19.82	20.05	19.96					
15	QPSK	36	0	19.76	20.13	19.89					
15	QPSK	36	20	19.82	20.12	19.91	21.5	0			
15	QPSK	36	39	19.82	20.03	19.85					
15	QPSK	75	0	19.86	20.04	19.86					
15	16QAM	1	0	19.84	19.95	19.86					
15	16QAM	1	37	19.81	19.77	19.92	21.5	0			
15	16QAM	1	74	19.84	19.83	19.83					
15	16QAM	36	0	19.86	19.88	19.83					
15	16QAM	36	20	19.76	19.86	19.86	21.5	0			
15	16QAM	36	39	19.79	19.86	19.75					
15	16QAM	75	0	19.80	19.82	19.85					
15	64QAM	1	0	19.76	19.94	19.89					
15	64QAM	1	37	19.81	19.81	19.74	21.5	0			
15	64QAM	1	74	19.71	19.72	19.81					
15	64QAM	36	0	19.81	19.71	19.78					
15	64QAM	36	20	19.87	19.86	19.72	21.5	0			
15	64QAM	36	39	19.82	19.77	19.77					
15	64QAM	75	0	19.84	19.71	19.75					
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	19.99	20.07	20.00					
10	QPSK	1	25	19.80	19.88	19.86	21.5	0			
10	QPSK	1	49	19.80	20.08	19.96					
10	QPSK	25	0	19.87	20.14	19.91					
10	QPSK	25	12	19.88	20.08	19.93	21.5	0			
10	QPSK	25	25	19.78	20.06	19.95					
10	QPSK	50	0	19.85	20.10	19.90					
10	16QAM	1	0	19.77	19.93	19.95					
10	16QAM	1	25	19.83	19.81	19.84	21.5	0			
10	16QAM	1	49	19.89	19.76	19.93					
10	16QAM	25	0	19.87	19.88	19.82					
10	16QAM	25	12	19.78	19.87	19.78	21.5	0			
10	16QAM	25	25	19.81	19.76	19.77					
10	16QAM	50	0	19.83	19.81	19.84					
10	64QAM	1	0	19.79	19.87	19.83					
10	64QAM	1	25	19.83	19.78	19.76	21.5	0			
10	64QAM	1	49	19.72	19.81	19.74					
10	64QAM	25	0	19.84	19.74	19.76					
10	64QAM	25	12	19.83	19.74	19.76	21.5	0			
10	64QAM	25	25	19.81	19.77	19.83					
10	64QAM	50	0	19.81	19.82	19.80					
10	64QAM	50	0	19.76	19.81	19.71	21.5	0			
10	64QAM	1	25	19.69	19.74	19.80					
10	64QAM	1	49	19.86	19.75	19.72					
10	64QAM	25	0	19.83	19.74	19.76	21.5	0			
10	64QAM	25	12	19.69	19.82	19.77					
10	64QAM	25	25	19.70	19.78	19.76					
10	64QAM	50	0	19.71	19.69	19.72	21.5	0			
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	19.92	20.16	20.05					
5	QPSK	1	12	19.74	20.02	19.86	21.5	0			
5	QPSK	1	24	19.77	20.08	19.94					
5	QPSK	12	0	19.85	20.16	19.94					
5	QPSK	12	7	19.91	20.04	19.86	21.5	0			
5	QPSK	12	13	19.81	20.07	19.85					
5	QPSK	25	0	19.86	20.12	19.96					
5	16QAM	1	0	19.78	19.99	19.96					
5	16QAM	1	12	19.82	19.79	19.91	21.5	0			
5	16QAM	1	24	19.84	19.75	19.82					
5	16QAM	12	0	19.87	19.86	19.86					
5	16QAM	12	7	19.79	19.79	19.85	21.5	0			
5	16QAM	12	13	19.88	19.82	19.80					
5	16QAM	25	0	19.89	19.78	19.80					
5	64QAM	1	0	19.76	19.88	19.87					
5	64QAM	1	12	19.83	19.76	19.75	21.5	0			
5	64QAM	1	24	19.78	19.75	19.83					
5	64QAM	12	0	19.77	19.80	19.79					
5	64QAM	12	7	19.75	19.76	19.73	21.5	0			
5	64QAM	12	13	19.81	19.84	19.73					
5	64QAM	25	0	19.77	19.75	19.75					

Band 41 Ant4 DS1I											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up [dB]	MPR [dB]			
Channel				39750	40185	40620					
Frequency (MHz)				2506	2548.5	2593					
20	QPSK	1	0	19.99	20.24	20.36	20.18	20.14			
20	QPSK	1	49	19.92	20.20	20.30	20.05	20.08	21.5	0	
20	QPSK	1	99	19.89	20.13	20.21	20.12	20.03			
20	QPSK	50	0	20.01	20.16	20.35	20.03	20.32			
20	QPSK	50	24	20.01	20.18	20.25	20.08	20.04	21.5	0	
20	QPSK	50	50	20.03	20.09	20.28	20.11	20.00			
20	QPSK	100	0	20.25	20.19	20.31	20.02	20.06			
20	16QAM	1	0	19.98	19.92	20.00	19.89	19.92			
20	16QAM	1	49	19.94	19.93	19.93	19.92	19.89	21.5	0	
20	16QAM	1	99	19.95	19.90	19.98	19.94	19.96			
20	16QAM	50	0	19.93	20.00	20.00	19.90	19.93			
20	16QAM	50	24	19.98	19.92	19.92	19.96	19.96	21.5	0	
20	16QAM	50	50	19.90	19.98	19.92	19.98	19.98			
20	16QAM	100	0	19.91	19.93	19.98	19.92	19.90			
20	64QAM	1	0	19.83	19.86	19.87	19.84	19.82			
20	64QAM	1	49	19.81	19.87	19.82	19.90	19.81	21.5	0	
20	64QAM	1	99	19.91	19.83	19.88	19.92	19.81			
20	64QAM	50	0	19.92	19.88	19.82	19.90	19.89			
20	64QAM	50	24	19.82	19.85	19.89	19.88	19.84	21.5	0	
20	64QAM	50	50	19.81	19.81	19.84	19.84	19.84			
20	64QAM	100	0	19.82	19.88	19.84	19.84	19.81			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.5	2593	2637.8	2682.5			
15	QPSK	1	0	19.83	20.27	20.10	20.03	20.09			
15</											

Reduced Power Mode for DS13

GSM850 Ant1 DS13							
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	195	199	201		195	199	201
Frequency (MHz)	824.2	830.4	836.6	824.2	830.4	836.6	
GSM 1 Tx slot	28.05	27.88	27.84	29.00	19.05	18.88	18.84
GPRS 1 Tx slot	28.10	27.91	27.89	29.00	19.10	18.91	18.89
GPRS 2 Tx slots	25.15	25.19	25.18	26.00	19.15	19.19	19.18
GPRS 3 Tx slots	22.40	22.82	22.54	24.00	18.14	18.39	18.28
GPRS 4 Tx slots	21.40	21.52	21.56	23.00	18.49	18.52	18.58
EDGE 1 Tx slot	21.92	22.04	21.92	23.50	12.92	13.04	12.92
EDGE 2 Tx slots	19.47	19.85	19.58	20.50	13.47	13.85	13.59
EDGE 3 Tx slots	17.99	17.79	17.86	18.50	13.73	13.53	13.62
EDGE 4 Tx slots	16.19	16.14	16.15	17.50	13.19	13.14	13.15

GSM1900 Ant1 DS13							
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	512	661	810		512	661	810
Frequency (MHz)	1500.2	1630	1800.8	1500.2	1630	1800.8	
GSM 1 Tx slot	28.05	28.31	28.29	29.50	19.05	19.31	19.29
GPRS 1 Tx slot	25.55	25.97	25.81	27.00	19.55	19.97	19.81
GPRS 2 Tx slots	23.87	23.88	23.92	24.50	19.41	19.62	19.66
GPRS 3 Tx slots	22.37	22.61	22.86	23.00	19.37	19.61	19.66
EDGE 1 Tx slot	24.82	24.33	24.64	26.50	15.82	15.33	15.64
EDGE 2 Tx slots	21.54	21.21	21.59	22.00	15.54	15.21	15.59
EDGE 3 Tx slots	19.48	19.12	19.49	20.00	15.20	14.88	15.23
EDGE 4 Tx slots	18.56	18.41	18.45	19.00	15.56	15.41	15.45

Band	WCDMA # Ant1 DS13			Tune-up Limit (dBm)	WCDMA IV Ant1 DS13			WCDMA V Ant1 Ant1		
	9262	9400	9538		1312	1413	1513	4132	4182	4233
Rx Channel	9662	9800	9938	937	1038	1138	4337	4407	4468	
Frequency (MHz)	1852.4	1860	1907.6	1722.4	1732.6	1752.6	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.17	21.32	21.25	22.50	21.24	21.32	21.20	22.50	23.55	
3GPP Rel 99 RMC 12.2Kbps	21.24	21.38	21.28	22.50	21.42	21.43	21.38	22.50	23.56	
3GPP Rel 6 HSDPA Subtest-1	20.16	20.26	20.21	21.50	20.25	20.40	20.35	21.50	22.68	
3GPP Rel 6 HSDPA Subtest-2	20.19	20.22	20.14	21.50	20.27	20.30	20.24	21.50	22.63	
3GPP Rel 6 HSDPA Subtest-3	19.67	19.77	19.72	21.00	19.77	19.86	19.81	21.00	22.15	
3GPP Rel 6 HSDPA Subtest-4	19.58	19.76	19.65	21.00	19.72	19.89	19.75	21.00	22.21	
3GPP Rel 8 DC-HSDPA Subtest-1	20.08	20.18	20.20	21.50	20.25	20.28	20.26	21.50	22.63	
3GPP Rel 8 DC-HSDPA Subtest-2	20.09	20.14	20.13	21.50	20.20	20.25	20.28	21.50	22.54	
3GPP Rel 8 DC-HSDPA Subtest-3	19.56	19.77	19.59	21.00	19.73	19.79	19.75	21.00	22.19	
3GPP Rel 8 DC-HSDPA Subtest-4	19.57	19.68	19.59	21.00	19.72	19.73	19.74	21.00	22.14	
3GPP Rel 6 HSUPA Subtest-1	20.06	20.10	20.12	21.50	20.17	20.30	20.18	21.50	22.45	
3GPP Rel 6 HSUPA Subtest-2	18.19	18.27	18.28	19.50	18.33	18.42	18.25	19.50	20.69	
3GPP Rel 6 HSUPA Subtest-3	19.32	19.39	19.29	20.50	19.34	19.43	19.40	20.50	21.72	
3GPP Rel 6 HSUPA Subtest-4	18.04	18.19	18.10	19.50	18.14	18.30	18.27	19.50	20.69	
3GPP Rel 6 HSUPA Subtest-5	20.05	20.11	20.03	21.50	20.19	20.29	20.17	21.50	22.59	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.66	17.80	17.69	19.00	17.62	18.01	17.96	19.00	20.16	



Band 2 Ant1 DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.50	21.73	21.49				
20	QPSK	1	49	21.50	21.63	21.45	23	0		
20	QPSK	1	99	21.50	21.66	21.42				
20	QPSK	50	0	21.55	21.72	21.50				
20	QPSK	50	24	21.51	21.59	21.40	23	0		
20	QPSK	50	50	21.52	21.62	21.46				
20	QPSK	100	0	21.54	21.70	21.46				
20	16QAM	1	0	21.51	21.68	21.45				
20	16QAM	1	49	21.59	21.66	21.43	23	0		
20	16QAM	1	99	21.51	21.72	21.43				
20	16QAM	50	0	21.54	21.65	21.50				
20	16QAM	50	24	21.51	21.62	21.41	23	0		
20	16QAM	50	50	21.55	21.62	21.46				
20	16QAM	100	0	21.57	21.67	21.46				
20	64QAM	1	0	21.50	21.65	21.45				
20	64QAM	1	49	21.58	21.65	21.44	23	0		
20	64QAM	1	99	21.53	21.62	21.42				
20	64QAM	50	0	20.97	21.11	20.98				
20	64QAM	50	24	20.93	21.00	20.91	22.5	0.5		
20	64QAM	50	50	20.90	21.03	20.89				
20	64QAM	100	0	20.80	20.90	20.84				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.46	21.63	21.38				
15	QPSK	1	37	21.34	21.52	21.30	23	0		
15	QPSK	1	74	21.50	21.54	21.34				
15	QPSK	36	0	21.50	21.60	21.43				
15	QPSK	36	20	21.47	21.53	21.31	23	0		
15	QPSK	36	39	21.42	21.56	21.33				
15	QPSK	75	0	21.46	21.60	21.31				
15	16QAM	1	0	21.43	21.54	21.34				
15	16QAM	1	37	21.47	21.53	21.32	23	0		
15	16QAM	1	74	21.38	21.66	21.30				
15	16QAM	36	0	21.47	21.54	21.39				
15	16QAM	36	20	21.39	21.56	21.26	23	0		
15	16QAM	36	39	21.47	21.53	21.31				
15	16QAM	75	0	21.41	21.53	21.36				
15	16QAM	1	0	21.41	21.58	21.32				
15	16QAM	1	37	21.52	21.60	21.32	23	0		
15	16QAM	1	74	21.47	21.53	21.36				
15	64QAM	1	0	20.86	21.02	20.85				
15	64QAM	36	20	20.77	20.86	20.83	22.5	0.5		
15	64QAM	36	39	20.80	20.90	20.76				
15	64QAM	75	0	20.76	20.76	20.71				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.51	21.67	21.44				
10	QPSK	1	25	21.34	21.49	21.33	23	0		
10	QPSK	1	49	21.52	21.52	21.30				
10	QPSK	25	0	21.41	21.60	21.40				
10	QPSK	25	12	21.47	21.57	21.36	23	0		
10	QPSK	25	25	21.38	21.55	21.33				
10	QPSK	50	0	21.45	21.58	21.35				
10	16QAM	1	0	21.40	21.55	21.29				
10	16QAM	1	25	21.46	21.54	21.33	23	0		
10	16QAM	1	49	21.44	21.62	21.33				
10	16QAM	25	0	21.41	21.54	21.46				
10	16QAM	25	12	21.45	21.50	21.27	23	0		
10	16QAM	25	25	21.47	21.47	21.30				
10	16QAM	50	0	21.49	21.57	21.38				
10	64QAM	1	0	21.44	21.59	21.35				
10	64QAM	1	25	21.42	21.60	21.39	23	0		
10	64QAM	1	49	21.48	21.62	21.33				
10	64QAM	25	0	21.43	21.54	21.46				
10	64QAM	25	12	21.45	21.51	21.41	23	0		
10	64QAM	25	25	21.38	21.54	21.42				
10	64QAM	50	0	21.32	21.57	21.41				
10	64QAM	1	0	21.42	21.55	21.41				
10	64QAM	1	25	21.41	21.62	21.49	23	0		
10	64QAM	1	49	21.30	21.65	21.38				
10	64QAM	1	24	21.34	21.56	21.41	23	0		
10	64QAM	1	37	21.38	21.57	21.49				
10	64QAM	1	74	21.35	21.60	21.48				
10	64QAM	36	0	21.28	21.28	21.25				
10	64QAM	36	20	21.30	21.40	20.84	22.5	0.5		
10	64QAM	36	39	21.30	21.03	20.94				
10	64QAM	75	0	21.29	21.17	21.00				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.35	21.63	21.43				
5	QPSK	1	12	21.31	21.55	21.40	23	0		
5	QPSK	1	24	21.33	21.63	21.38				
5	QPSK	12	0	21.44	21.56	21.34				
5	QPSK	12	7	21.34	21.64	21.34	23	0		
5	QPSK	12	13	21.35	21.58	21.45				
5	QPSK	25	0	21.31	21.62	21.41				
5	16QAM	1	0	21.37	21.46	21.41				
5	16QAM	1	12	21.41	21.55	21.40	23	0		
5	16QAM	1	24	21.29	21.56	21.41				
5	16QAM	12	0	21.30	21.60	21.53				
5	16QAM	12	7	21.34	21.59	21.43	23	0		
5	16QAM	12	13	21.33	21.51	21.37				
5	16QAM	25	0	21.31	21.56	21.43				
5	16QAM	25	12	21.34	21.50	21.38	23	0		
5	64QAM	1	0	21.24	21.62	21.48				
5	64QAM	1	24	21.31	21.61	21.42				
5	64QAM	12	0	21.34	21.25	21.01	22.5	0.5		
5	64QAM	12	7	21.28	21.11	20.86				
5	64QAM	12	13	20.89	21.03	20.96	22.5	0.5		
5	64QAM	25	0	21.30	21.13	21.01				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.30	21.62	21.39				
3	QPSK	1	8	21.30	21.56	21.46	23	0		
3	QPSK	1	14	21.26	21.61	21.36				
3	QPSK	8	0	21.42	21.63	21.43				
3	QPSK	8	4	21.30	21.54	21.47	23	0		
3	QPSK	8	7	21.36	21.59	21.51				
3	QPSK	15	0	21.28	21.59	21.38				
3	16QAM	1	0	21.42	21.53	21.44				
3	16QAM	1	8	21.39	21.60	21.44	23	0		
3	16QAM	1	14	21.37	21.57	21.42				
3	16QAM	3	0	21.38	21.65	21.46	23	0		
3	16QAM	3	1	21.30	21.63	21.43				
3	16QAM	3	1	21.33	21.18	20.98				
3	16QAM	8	4	21.26	21.64	21.48	23	0		
3	16QAM	8	7	21.34	21.54	21.49				
3	16QAM	15	0	21.32	21.55	21.41				
3	64QAM	1	0	21.43	21.50	21.42				
3	64QAM	1	8	21.37	21.60	21.47	23	0		
3	64QAM	1	14	21.30	21.63	21.43				
3	64QAM	3	0	21.33	21.18	20.98				
3	64QAM	8	4	21.20	21.08	20.93	22.5	0.5		
3	64QAM	8	7	21.20	21.08	20.94				
3	64QAM	15	0	21.27	21.12	20.98				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.33	21.60	21.38				
1.4	QPSK	1	3	21.36	21.60	21.40				
1.4	QPSK	1	5	21.24	21.57	21.41	23	0		
1.4	QPSK	3	0	21.39	21.60	21.37				
1.4	QPSK	3	1	21.37	21.57	21.42				
1.4	QPSK	3	3	21.38	21.60	21.42	23	0		
1.4	QPSK	6	0	21.38	21.65	21.46				
1.4	16QAM	1	0	21.37	21.53	21.39				
1.4	16QAM	1	3	21.49	21.53	21.30	23	0		
1.4	16QAM									

Band 13 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				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.34	24.34	24.13				
10	QPSK	1	25	24.31	24.31	24.13	25.5	0		
10	QPSK	1	49	24.23	24.23	24.13				
10	QPSK	25	0	23.31	23.31	23.06				
10	QPSK	25	12	23.16	23.16	23.06	24.5	1		
10	QPSK	25	25	23.27	23.27	23.06				
10	QPSK	50	0	23.32	23.32	23.14				
10	16QAM	1	0	23.31	23.31	23.11				
10	16QAM	1	25	23.18	23.18	23.06	24.5	1		
10	16QAM	1	49	23.28	23.28	23.04				
10	16QAM	25	0	22.31	22.31	22.00				
10	16QAM	25	12	22.17	22.17	22.00	23.5	2		
10	16QAM	25	25	22.26	22.26	22.00				
10	16QAM	50	0	22.36	22.36	22.02				
10	64QAM	1	0	22.23	22.23	22.13				
10	64QAM	1	25	22.10	22.10	22.02	23.5	2		
10	64QAM	1	49	22.20	22.20	22.06				
10	64QAM	25	0	21.37	21.37	21.03				
10	64QAM	25	12	21.31	21.31	21.03	22.5	3		
10	64QAM	25	25	21.26	21.26	21.03				
10	64QAM	50	0	21.29	21.29	21.08				
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.15	24.19	24.13				
5	QPSK	1	12	24.20	24.14	24.13	25.5	0		
5	QPSK	1	24	24.08	24.19	24.07				
5	QPSK	12	0	23.24	23.13	23.27				
5	QPSK	12	7	22.97	23.10	23.07	24.5	1		
5	QPSK	12	13	23.21	23.18	23.24				
5	QPSK	25	0	23.19	23.10	23.28				
5	16QAM	1	0	23.12	23.12	23.27				
5	16QAM	1	12	22.98	23.15	23.15	24.5	1		
5	16QAM	1	24	23.23	23.21	23.12				
5	16QAM	12	0	22.14	22.10	22.20				
5	16QAM	12	7	22.14	22.11	21.99	23.5	2		
5	16QAM	12	13	22.16	22.22	22.12				
5	16QAM	25	0	22.31	22.30	22.31				
5	64QAM	1	0	22.02	22.06	22.20				
5	64QAM	1	12	21.96	22.03	21.96	23.5	2		
5	64QAM	1	24	22.15	22.04	22.11				
5	64QAM	12	0	21.34	21.29	21.32				
5	64QAM	12	7	21.22	21.09	21.21	22.5	3		
5	64QAM	12	13	21.09	21.14	21.12				
5	64QAM	25	0	21.23	21.23	21.19				

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				26785					
Frequency (MHz)				821.5					
15	QPSK	1	0	24.02	24.41	24.19			
15	QPSK	1	37	23.92	24.29	24.14	25.5	0	
15	QPSK	1	74	23.97	24.28	24.08			
15	QPSK	36	0	22.98	23.11	23.06			
15	QPSK	36	20	22.87	23.00	23.00	24.5	1	
15	QPSK	36	39	22.86	22.97	23.01			
15	QPSK	75	0	23.01	23.15	23.14			
15	16QAM	1	0	23.02	23.17	23.11			
15	16QAM	1	37	22.87	23.03	23.06	24.5	1	
15	16QAM	1	74	22.93	23.08	23.04			
15	16QAM	36	0	22.02	22.20	22.00			
15	16QAM	36	20	21.91	22.12	21.95	23.5	2	
15	16QAM	36	39	21.94	22.16	21.96			
15	16QAM	75	0	21.87	22.17	22.02			
15	64QAM	1	0	22.02	22.12	22.13			
15	64QAM	1	37	21.92	22.00	22.02	23.5	2	
15	64QAM	1	74	21.99	22.04	22.05			
15	64QAM	36	0	20.78	20.94	20.85			
15	64QAM	36	39	20.69	21.04	20.90	22.5	3	
15	64QAM	75	0	20.88	21.08	21.08			
Channel				26740					
Frequency (MHz)				819					
10	QPSK	1	0	23.86	24.38	23.98			
10	QPSK	1	25	23.80	24.24	23.92	25.5	0	
10	QPSK	1	49	23.89	24.10	23.92			
10	QPSK	25	0	22.89	22.98	23.00			
10	QPSK	25	12	22.67	22.85	22.82	24.5	1	
10	QPSK	25	25	22.81	22.85	22.79			
10	QPSK	50	0	22.92	23.11	23.11			
10	16QAM	1	0	23.85	24.25	23.92			
10	16QAM	1	25	22.72	22.82	22.87	24.5	1	
10	16QAM	1	49	22.89	22.93	22.94			
10	16QAM	25	0	21.83	22.15	21.96			
10	16QAM	25	12	21.70	22.10	21.91	23.5	2	
10	16QAM	25	25	21.78	22.11	21.85			
10	16QAM	50	0	21.80	22.09	21.98			
10	64QAM	1	0	21.91	22.05	21.94			
10	64QAM	1	25	21.89	21.85	21.90	23.5	2	
10	64QAM	1	49	21.78	22.02	21.93			
10	64QAM	25	0	20.75	21.04	20.82			
10	64QAM	25	12	20.68	20.92	20.80	22.5	3	
10	64QAM	25	25	20.58	20.86	20.73			
10	64QAM	50	0	20.60	20.80	20.65			
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	23.82	24.26	24.13			
5	QPSK	1	12	23.81	24.26	24.08	25.5	0	
5	QPSK	1	24	23.83	24.15	23.93			
5	QPSK	12	0	22.95	23.03	22.91			
5	QPSK	12	7	22.80	22.88	22.90	24.5	1	
5	QPSK	12	13	22.78	22.83	22.86			
5	QPSK	25	0	22.88	23.04	22.99			
5	16QAM	1	0	22.85	23.01	22.91			
5	16QAM	1	12	22.66	22.93	23.00	24.5	1	
5	16QAM	1	24	22.82	22.87	23.00			
5	16QAM	12	0	21.96	22.26	21.80			
5	16QAM	12	7	21.74	21.93	21.84	23.5	2	
5	16QAM	12	13	21.90	21.96	21.83			
5	16QAM	25	0	21.82	22.03	21.88			
5	64QAM	1	0	21.85	21.98	21.91			
5	64QAM	1	12	21.86	21.95	21.98	23.5	2	
5	64QAM	1	24	21.82	21.84	22.02			
5	64QAM	12	0	20.61	20.86	20.85			
5	64QAM	12	7	20.69	20.75	20.75	22.5	3	
5	64QAM	12	13	20.65	20.88	20.84			
5	64QAM	25	0	20.73	20.99	20.98			
Channel				26705					
Frequency (MHz)				815.5					
3	QPSK	1	0	23.91	24.32	24.00			
3	QPSK	1	8	23.85	24.25	24.04	25.5	0	
3	QPSK	1	14	23.88	24.17	23.91			
3	QPSK	8	0	22.77	22.99	22.85			
3	QPSK	8	4	22.78	22.87	22.80	24.5	1	
3	QPSK	8	7	22.81	22.88	22.81			
3	QPSK	15	0	22.98	23.01	23.06			
3	16QAM	1	0	23.00	23.96	23.05			
3	16QAM	1	8	22.81	22.89	22.91	24.5	1	
3	16QAM	1	14	22.78	23.05	22.92			
3	16QAM	8	0	21.90	22.02	21.96			
3	16QAM	8	4	21.79	21.91	21.83	23.5	2	
3	16QAM	8	7	21.76	22.11	21.83			
3	16QAM	15	0	21.70	21.98	21.87			
3	64QAM	1	0	21.87	22.06	22.11			
3	64QAM	1	8	21.85	21.87	21.82	23.5	2	
3	64QAM	1	14	21.80	22.02	21.85			
3	64QAM	8	0	20.81	21.03	20.90			
3	64QAM	8	4	20.67	20.82	20.65	22.5	3	
3	64QAM	8	7	20.47	20.96	20.75			
3	64QAM	15	0	20.78	21.02	20.98			
Channel				26697					
Frequency (MHz)				814.7					
1.4	QPSK	1	0	23.93	24.26	23.99			
1									



Band 38 Ant1 DS13											
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	22.34	22.53	22.37					
20	QPSK	1	49	22.45	22.50	22.41			24	0	
20	QPSK	1	99	22.35	22.45	22.44					
20	QPSK	50	0	22.33	22.50	22.37					
20	QPSK	50	24	22.36	22.47	22.34			24	0	
20	QPSK	50	50	22.34	22.44	22.45					
20	QPSK	100	0	22.30	22.46	22.40					
20	16QAM	1	0	22.27	22.48	22.38			24	0	
20	16QAM	1	49	22.30	22.41	22.44					
20	16QAM	1	99	22.34	22.45	22.36					
20	16QAM	50	0	21.54	21.86	21.56					
20	16QAM	50	24	21.56	21.46	21.45			23	1	
20	16QAM	50	50	21.53	21.54	21.53					
20	16QAM	100	0	21.46	21.66	21.55					
20	64QAM	1	0	21.67	21.67	21.71					
20	64QAM	1	49	21.52	21.68	21.62			23	1	
20	64QAM	1	99	21.32	21.46	21.56					
20	64QAM	50	0	21.10	21.20	21.15					
20	64QAM	50	24	21.01	21.09	21.09			22	2	
20	64QAM	50	50	20.99	21.12	21.08					
20	64QAM	100	0	21.07	21.19	21.10					
Channel				37925	38000	38175					
Frequency (MHz)				2577.5	2595	2612.5					
15	QPSK	1	0	22.33	22.45	22.30			24	0	
15	QPSK	1	37	22.36	22.37	22.34					
15	QPSK	1	74	22.23	22.23	22.35					
15	QPSK	36	0	22.35	22.43	22.35			24	0	
15	QPSK	36	20	22.30	22.37	22.31					
15	QPSK	36	39	22.26	22.31	22.38					
15	QPSK	75	0	22.22	22.33	22.36					
15	16QAM	1	0	22.14	22.37	22.37					
15	16QAM	1	37	22.13	22.42	22.35			24	0	
15	16QAM	1	74	22.22	22.23	22.27					
15	16QAM	36	0	21.43	21.55	21.43					
15	16QAM	36	20	21.43	21.35	21.42					
15	16QAM	36	39	21.44	21.51	21.35			23	1	
15	16QAM	75	0	21.32	21.55	21.45					
15	64QAM	1	0	21.46	21.62	21.57					
15	64QAM	1	37	21.37	21.58	21.41			23	1	
15	64QAM	1	74	21.33	21.43	21.42					
15	64QAM	36	0	21.03	21.10	21.01					
15	64QAM	36	20	20.96	21.00	20.94			22	2	
15	64QAM	36	39	20.91	21.00	20.99					
15	64QAM	75	0	21.03	21.14	21.00					
Channel				37800	38000	38200					
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	22.34	22.41	22.34			24	0	
10	QPSK	1	25	22.24	22.39	22.32					
10	QPSK	1	49	22.19	22.26	22.42					
10	QPSK	25	0	22.37	22.32	22.29					
10	QPSK	25	12	22.25	22.43	22.26			24	0	
10	QPSK	25	25	22.37	22.34	22.40					
10	QPSK	50	0	22.13	22.29	22.31					
10	16QAM	1	0	22.28	22.37	22.32			24	0	
10	16QAM	1	25	22.20	22.44	22.29					
10	16QAM	1	49	22.27	22.34	22.32					
10	16QAM	25	0	21.51	21.55	21.50					
10	16QAM	25	12	21.44	21.36	21.34					
10	16QAM	25	25	21.35	21.51	21.34			23	1	
10	16QAM	50	0	21.34	21.55	21.54					
10	64QAM	1	0	21.42	21.61	21.58					
10	64QAM	1	25	21.51	21.49	21.47			23	1	
10	64QAM	1	49	21.26	21.46	21.47					
10	64QAM	25	0	21.03	21.09	21.06					
10	64QAM	25	12	20.95	21.03	21.01			22	2	
10	64QAM	25	25	20.92	21.04	20.96					
10	64QAM	50	0	20.94	21.04	21.00					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	22.32	22.46	22.49			24	0	
5	QPSK	1	12	22.36	22.48	22.44					
5	QPSK	1	24	22.28	22.43	22.43					
5	QPSK	12	0	22.28	22.43	22.39			24	0	
5	QPSK	12	7	22.28	22.50	22.32					
5	QPSK	12	13	22.38	22.44	22.38					
5	QPSK	25	0	22.27	22.46	22.51			24	0	
5	16QAM	1	0	22.24	22.44	22.35					
5	16QAM	1	12	22.30	22.42	22.34			24	0	
5	16QAM	1	24	22.27	22.39	22.45					
5	16QAM	12	0	21.38	21.54	21.58					
5	16QAM	12	7	21.37	21.41	21.37			23	1	
5	16QAM	12	13	21.45	21.38	21.44					
5	16QAM	25	0	21.38	21.54	21.55					
5	64QAM	1	0	21.54	21.56	21.57					
5	64QAM	1	12	21.37	21.47	21.47			23	1	
5	64QAM	1	24	21.18	21.39	21.50					
5	64QAM	12	0	21.02	21.10	21.08					
5	64QAM	12	7	20.88	21.04	21.02			22	2	
5	64QAM	12	13	20.92	21.07	21.02					
5	64QAM	25	0	20.97	21.04	20.94					

Band 41 Ant1 DS13											
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620					
Frequency (MHz)				2506	2549.5	2593					
20	QPSK	1	0	22.47	22.34	22.56			24	0	
20	QPSK	1	49	22.32	22.34	22.48					
20	QPSK	1	99	22.45	22.30	22.48					
20	QPSK	50	0	22.32	22.31	22.53					
20	QPSK	50	24	22.34	22.29	22.42			24	0	
20	QPSK	50	50	22.44	22.31	22.52					
20	QPSK	100	0	22.36	22.33	22.49					
20	16QAM	1	0	22.41	22.29	22.50			24	0	
20	16QAM	1	49	22.42	22.31	22.53					
20	16QAM	1	99	22.42	22.31	22.53					
20	16QAM	50	0	22.13	22.14	22.17					
20	16QAM	50	24	22.10	22.06	22.05			23.5	0.5	
20	16QAM	50	50	22.03	22.08	22.08					
20	16QAM	100	0	22.17	22.23	22.29					
20	64QAM	1	0	22.30	22.24	22.38					
20	64QAM	1	49	22.23	22.17	22.25			23.5	0.5	
20	64QAM	1	99	22.18	22.16	22.26					
20	64QAM	50	0	21.10	21.19	21.28					
20	64QAM	50	24	21.02	21.09	21.13			22.5	1.5	
20	64QAM	50	50	21.07	21.05	21.19					
20	64QAM	100	0	21.21	21.21	21.30					
Channel				39725	40173	40620					
Frequency (MHz)				2503.5	2548.3	2593					
15	QPSK	1	0	22.29	22.27	22.47			24	0	
15	QPSK	1	37	22.29	22.30	22.43					
15	QPSK	1	74	22.41	22.26	22.42					
15	QPSK	36	0	22.24	22.22	22.49			24	0	
15	QPSK	36	20	22.34	22.34	22.32					
15	QPSK	36	39	22.37	22.25	22.48					
15	QPSK	75	0	22.31	22.27	22.40					
15	16QAM	1	0	22.33	22.24	22.46			24	0	
15	16QAM	1	37	22.34	22.23	22.37					
15	16QAM	1	74	22.38	22.24	22.47					
15	16QAM	36	0	22.10	22.06	22.09					
15	16QAM	36	20	22.06	22.00	21.96					

GSM850 An4 DSS								
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)	25.2	31.4	41.3	33.0	32.2	37.4	47.3	24.00
GSM 1 Tx slot	31.84	32.04	31.82	33.00	22.84	23.04	22.82	24.00
GPRS 1 Tx slots	29.39	29.32	29.42	30.50	23.39	23.32	23.42	24.50
GPRS 2 Tx slots	27.90	27.91	27.92	29.00	22.74	22.75	22.86	24.74
GPRS 3 Tx slots	25.80	25.71	25.72	27.50	22.80	22.73	22.72	24.50
EDGE 1 Tx slot	26.46	26.45	26.40	27.50	17.46	17.45	17.40	18.50
EDGE 2 Tx slots	22.84	23.01	22.87	24.50	18.84	17.01	18.87	18.50
EDGE 3 Tx slots	21.01	21.02	21.02	23.00	16.75	16.76	16.76	16.74
EDGE 4 Tx slots	20.32	20.42	20.17	21.50	17.32	17.62	17.17	18.50

GSM1900 An4 DSS								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	27.84	27.82	28.20	28.50	18.84	18.82	19.20	20.50
GPRS 1 Tx slot	27.87	27.86	28.23	28.50	18.87	18.86	19.23	20.50
GPRS 2 Tx slots	25.69	26.05	26.02	27.00	19.69	20.05	20.02	21.00
GPRS 3 Tx slots	23.47	23.58	23.87	24.50	19.21	19.32	19.61	20.24
GPRS 4 Tx slots	22.24	22.25	22.74	23.00	19.24	19.25	19.74	20.00
EDGE 1 Tx slot	24.51	24.43	24.69	25.50	15.51	15.43	15.69	16.50
EDGE 2 Tx slots	21.28	21.13	21.44	22.00	15.28	15.13	15.44	16.00
EDGE 3 Tx slots	19.32	19.24	19.52	20.00	15.06	14.98	15.26	15.74
EDGE 4 Tx slots	18.65	18.56	18.69	19.00	15.65	15.56	15.69	16.00

Band	WCDMA I An4 DSS			Tune-up Limit (dBm)	WCDMA IV An4 DSS			WCDMA V An4 An4			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513	4132	4162	4233		
Rx Channel	9662	9800	9938		1537	1638	1738	4357	4407	4458		
Frequency (MHz)	1852.2	1869	1877.8	1772.4	1782.3	1782.3		435.4	439.4	446.6		
3GPP Rel 99 AMR 12.2Kbps	19.22	19.34	19.24	20.50	17.54	17.78	17.64	19.00	23.53	23.66	23.71	25.00
3GPP Rel 99 RMC 12.2Kbps	19.32	19.37	19.29	20.50	17.76	17.84	17.53	19.00	23.58	23.73	23.72	25.00
3GPP Rel 6 HSDPA Subtest-1	18.17	18.36	18.31	19.50	16.87	16.69	16.67	18.00	22.65	22.62	22.60	24.00
3GPP Rel 6 HSDPA Subtest-2	18.20	18.30	18.14	19.50	16.60	16.69	16.54	18.00	22.65	22.70	22.50	24.00
3GPP Rel 6 HSDPA Subtest-3	17.74	17.92	17.84	19.00	16.02	16.12	16.17	17.50	22.01	22.21	22.23	23.50
3GPP Rel 6 HSDPA Subtest-4	17.73	17.84	17.74	19.00	16.10	16.12	16.08	17.50	22.06	22.17	22.00	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.14	18.31	18.22	19.50	16.55	16.67	16.54	18.00	22.53	22.63	22.60	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.10	18.18	18.19	19.50	16.45	16.54	16.57	18.00	22.50	22.54	22.51	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	17.80	17.85	17.76	19.00	16.07	16.16	16.01	17.50	22.03	22.22	22.02	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	17.61	17.68	17.62	19.00	15.99	16.06	16.04	17.50	21.95	22.15	22.05	23.50
3GPP Rel 6 HSUPA Subtest-1	18.08	18.21	18.18	19.50	16.44	16.55	16.50	18.00	22.41	22.52	22.46	24.00
3GPP Rel 6 HSUPA Subtest-2	18.21	18.38	18.26	17.50	14.52	14.76	14.64	16.00	20.52	20.72	20.63	22.00
3GPP Rel 6 HSUPA Subtest-3	17.37	17.49	17.35	18.50	15.64	15.73	15.62	17.00	21.65	21.82	21.63	23.00
3GPP Rel 6 HSUPA Subtest-4	16.14	16.30	16.17	17.50	14.51	14.70	14.47	16.00	20.51	20.69	20.55	22.00
3GPP Rel 6 HSUPA Subtest-5	18.19	18.28	18.18	19.50	16.46	16.66	16.50	18.00	22.53	22.61	22.55	24.00
3GPP Rel 7 HSPA+ (MCM) Subtest-1	15.76	15.85	15.76	17.00	14.15	14.24	14.13	15.50	20.13	20.24	20.17	21.50



Band 2 Ant4 DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1870	1880	1900					
20	QPSK	1	0	18.06	18.25	18.15					
20	QPSK	1	49	18.09	18.17	18.15	19.5	0			
20	QPSK	1	99	18.08	18.20	18.13					
20	QPSK	50	0	18.06	18.22	18.16					
20	QPSK	50	24	18.06	18.21	18.17	19.5	0			
20	QPSK	50	50	18.08	18.16	18.12					
20	QPSK	100	0	18.10	18.17	18.13					
20	16QAM	1	0	18.08	18.19	18.13					
20	16QAM	1	49	18.09	18.19	18.14	19.5	0			
20	16QAM	1	99	18.09	18.17	18.15					
20	16QAM	50	0	18.06	18.22	18.17					
20	16QAM	50	24	18.09	18.16	18.17	19.5	0			
20	16QAM	50	50	18.08	18.17	18.15					
20	16QAM	100	0	18.07	18.19	18.17					
20	64QAM	1	0	18.09	18.20	18.18					
20	64QAM	1	49	18.10	18.16	18.16	19.5	0			
20	64QAM	1	99	18.08	18.19	18.15					
20	64QAM	50	0	18.06	18.22	18.17					
20	64QAM	50	24	18.09	18.16	18.17	19.5	0			
20	64QAM	50	50	18.07	18.17	18.14					
20	64QAM	100	0	18.06	18.16	18.15					
Channel											
Frequency (MHz)				1875	1880	1902.5					
15	QPSK	1	0	17.84	18.12	18.08					
15	QPSK	1	37	17.88	18.05	18.05	18.5	0			
15	QPSK	1	74	17.99	18.09	18.03					
15	QPSK	36	0	17.88	18.12	18.07					
15	QPSK	36	20	17.88	18.12	18.05	19.5	0			
15	QPSK	36	39	17.97	18.08	18.04					
15	QPSK	75	0	17.89	18.06	18.03					
15	16QAM	1	0	17.88	18.06	18.06					
15	16QAM	1	37	17.88	18.09	18.03	19.5	0			
15	16QAM	1	74	18.00	18.08	18.05					
15	16QAM	36	0	17.88	18.12	18.08					
15	16QAM	36	20	17.88	18.03	18.05	19.5	0			
15	16QAM	36	39	17.97	18.09	18.05					
15	16QAM	75	0	17.89	18.06	18.05					
15	16QAM	75	0	18.02	18.12	18.09	19.5	0			
15	64QAM	1	37	18.02	18.04	18.07					
15	64QAM	1	74	17.95	18.12	18.08					
15	64QAM	36	0	17.88	18.04	18.07					
15	64QAM	36	20	17.87	18.05	18.05	19.5	0			
15	64QAM	36	39	18.01	18.07	18.06					
15	64QAM	75	0	17.89	18.03	18.05					
Channel											
Frequency (MHz)				1885	1880	19150					
10	QPSK	1	0	17.95	18.15	18.08					
10	QPSK	1	25	17.99	18.05	18.04	19.5	0			
10	QPSK	1	49	17.96	18.09	18.06					
10	QPSK	25	0	17.88	18.11	18.07					
10	QPSK	25	12	17.97	18.07	18.06	19.5	0			
10	QPSK	25	25	17.96	18.06	18.01					
10	QPSK	50	0	17.99	18.05	18.03					
10	16QAM	1	0	17.95	18.07	18.04					
10	16QAM	1	25	18.01	18.09	18.04	19.5	0			
10	16QAM	1	49	18.01	18.09	18.08					
10	16QAM	25	0	17.87	18.11	18.05					
10	16QAM	25	12	18.01	18.09	18.09	19.5	0			
10	16QAM	25	25	17.95	18.05	18.06					
10	16QAM	50	0	17.99	18.11	18.06					
10	64QAM	1	0	17.99	18.09	18.11					
10	64QAM	1	25	18.01	18.03	18.05	19.5	0			
10	64QAM	1	49	17.97	18.11	18.05					
10	64QAM	25	0	17.98	18.12	18.08					
10	64QAM	25	12	17.98	18.09	18.09	19.5	0			
10	64QAM	25	25	17.99	18.07	18.08					
10	64QAM	50	0	17.98	18.06	18.02					
Channel											
Frequency (MHz)				1882.5	1880	1917.5					
5	QPSK	1	0	17.86	18.12	18.07					
5	QPSK	1	14	17.88	18.07	18.05	18.5	0			
5	QPSK	1	24	18.01	18.12	18.06					
5	QPSK	12	0	17.87	18.12	18.08					
5	QPSK	12	7	17.88	18.14	18.06	19.5	0			
5	QPSK	12	13	18.01	18.09	18.04					
5	QPSK	25	0	18.01	18.10	18.01					
5	16QAM	1	0	17.88	18.06	18.01					
5	16QAM	1	12	17.98	18.09	18.06	19.5	0			
5	16QAM	1	24	17.99	18.10	18.04					
5	16QAM	12	0	17.99	18.06	18.03					
5	16QAM	12	7	18.01	18.03	18.04	19.5	0			
5	16QAM	12	13	17.87	18.08	18.05					
5	16QAM	25	0	17.85	18.08	18.08					
5	16QAM	25	0	17.98	18.12	18.08	19.5	0			
5	64QAM	1	12	18.00	18.05	18.07					
5	64QAM	1	24	18.01	18.08	18.02					
5	64QAM	12	0	17.88	18.05	18.05					
5	64QAM	12	7	17.87	18.05	18.02	19.5	0			
5	64QAM	12	13	18.01	18.07	18.07					
5	64QAM	25	0	17.94	18.06	18.06					
Channel											
Frequency (MHz)				1891.5	1890	1918.5					
3	QPSK	1	0	17.88	18.16	18.04					
3	QPSK	1	8	18.00	18.09	18.02	19.5	0			
3	QPSK	1	14	17.88	18.10	18.04					
3	QPSK	8	0	17.87	18.11	18.06					
3	QPSK	8	4	17.85	18.11	18.05	19.5	0			
3	QPSK	8	7	17.96	18.06	18.02					
3	QPSK	15	0	17.98	18.09	18.01					
3	16QAM	1	0	17.87	18.08	18.03					
3	16QAM	1	8	18.00	18.10	18.06	19.5	0			
3	16QAM	8	0	17.89	18.07	18.06					
3	16QAM	8	4	18.02	18.06	18.09	19.5	0			
3	16QAM	8	7	18.00	18.08	18.02					
3	16QAM	15	0	17.87	18.08	18.05					
3	64QAM	1	0	17.87	18.11	18.09					
3	64QAM	1	8	17.89	18.08	18.06	19.5	0			
3	64QAM	1	14	17.87	18.07	18.06					
3	64QAM	8	0	17.97	18.09	18.06					
3	64QAM	8	4	17.99	18.06	18.02	19.5	0			
3	64QAM	8	7	17.98	18.11	18.09					
3	64QAM	15	0	17.87	18.06	18.04					
Channel											
Frequency (MHz)				1890.7	1890	19193					
1.4	QPSK	1	0	17.86	18.15	18.02					
1.4	QPSK	1	3	18.00	18.09	18.03	19.5	0			
1.4	QPSK	1	5	17.88	18.10	18.05					
1.4	QPSK	3	0	17.89	18.10	18.09					
1.4	QPSK	3	1	17.87	18.12	18.09					
1.4	QPSK	3	3	18.01	18.07	18.00	19.5	0			
1.4	QPSK	6	0	18.00	18.05	18.05					
1.4	16QAM	1	0	17.89	18.07	18.06					
1.4	16QAM	1	3	17.87	18.08	18.02	19.5	0			
1.4	16QAM	1	5	18.01	18.08	18.03					
1.4	16QAM	3	0	17.83	18.14	18.10					
1.4	16QAM	3	1	17.88	18.05	18.06	19.5	0			
1.4	16QAM	3	3	18.01	18.06	18.07					
1.4	16QAM	6	0	17.87	18.11	18.08					
1.4	64QAM	1	0	17.89	18.07	18.06					
1.4	64QAM	1	3	17.88	18.05	18.04	19.5	0			
1.4	64QAM	1	5	17.88	18.10	18.04					
1.4	64QAM	3	0	17.86	18.07	18.02					
1.4	64QAM	3									

Band 13 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.24	24.24	24.14				
10	QPSK	1	25	24.05	24.05	24.15	25.5	0		
10	QPSK	1	49	24.23	24.23	24.14				
10	QPSK	25	0	23.17	23.17	23.16	24.5	1		
10	QPSK	25	12	22.96	22.96	22.96				
10	QPSK	25	25	22.99	22.99	22.99				
10	QPSK	50	0	23.06	23.06	23.06				
10	16QAM	1	0	23.18	23.18	23.15				
10	16QAM	1	25	23.07	23.07	23.15	24.5	1		
10	16QAM	1	49	23.04	23.04	23.14				
10	16QAM	25	0	22.06	22.06	22.21				
10	16QAM	25	12	22.07	22.07	22.22				
10	16QAM	25	25	22.18	22.18	22.22	23.5	2		
10	16QAM	50	0	22.11	22.11	22.22				
10	64QAM	1	0	22.34	22.34	22.26				
10	64QAM	1	25	22.45	22.45	22.26	23.5	2		
10	64QAM	1	49	22.43	22.43	22.27				
10	64QAM	25	0	21.32	21.32	21.23				
10	64QAM	25	12	21.23	21.23	21.23				
10	64QAM	25	25	21.43	21.43	21.23	22.5	3		
10	64QAM	50	0	21.28	21.28	21.23				
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.05	24.10	24.14				
5	QPSK	1	12	23.89	24.01	23.96	25.5	0		
5	QPSK	1	24	24.06	24.11	24.11				
5	QPSK	12	0	23.14	22.98	22.98				
5	QPSK	12	7	22.87	22.86	22.85	24.5	1		
5	QPSK	12	13	22.85	22.92	22.88				
5	QPSK	25	0	22.99	23.00	22.96				
5	16QAM	1	0	23.04	23.04	22.99				
5	16QAM	1	12	22.93	23.03	22.85	24.5	1		
5	16QAM	1	24	22.83	22.84	22.99				
5	16QAM	12	0	21.99	21.91	21.85				
5	16QAM	12	7	21.97	21.97	21.89	23.5	2		
5	16QAM	12	13	22.02	21.99	22.07				
5	16QAM	25	0	21.96	22.02	21.92				
5	64QAM	1	0	22.16	22.24	22.15				
5	64QAM	1	12	22.30	22.40	22.23	23.5	2		
5	64QAM	1	24	22.38	22.29	22.23				
5	64QAM	12	0	21.16	21.11	21.12				
5	64QAM	12	7	21.10	21.17	21.03	22.5	3		
5	64QAM	12	13	21.25	21.21	21.23				
5	64QAM	25	0	21.08	21.19	21.08				

Band 26 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765					
Frequency (MHz)				821.5					
15	QPSK	1	0	24.06	24.28	24.12			
15	QPSK	1	37	24.03	24.19	24.04	25.5	0	
15	QPSK	1	74	24.09	24.07	24.17			
15	QPSK	36	0	23.06	23.18	23.16			
15	QPSK	36	20	23.14	23.13	23.08	24.5	1	
15	QPSK	36	39	23.08	22.96	23.06			
15	QPSK	75	0	23.15	23.16	23.01			
15	16QAM	1	0	23.19	23.33	23.15			
15	16QAM	1	37	23.13	23.28	23.31	24.5	1	
15	16QAM	1	74	23.23	23.27	23.14			
15	16QAM	36	0	22.08	22.24	22.21			
15	16QAM	36	20	22.07	22.33	22.02	23.5	2	
15	16QAM	36	39	22.05	22.20	22.12			
15	16QAM	75	0	22.19	22.37	22.18			
15	64QAM	1	0	22.05	22.12	22.06			
15	64QAM	1	37	22.13	22.08	22.10	23.5	2	
15	64QAM	1	74	22.12	22.10	22.07			
15	64QAM	36	0	21.13	21.16	20.95			
15	64QAM	36	20	21.17	21.27	21.12	22.5	3	
15	64QAM	36	39	21.12	21.19	21.16			
15	64QAM	75	0	21.12	21.20	21.13			
Channel				26740					
Frequency (MHz)				819					
10	QPSK	1	0	24.02	24.12	23.96			
10	QPSK	1	25	23.99	24.11	23.94	25.5	0	
10	QPSK	1	49	23.88	23.92	23.99			
10	QPSK	25	0	23.03	22.97	22.99			
10	QPSK	25	12	22.98	22.94	23.03	24.5	1	
10	QPSK	25	25	22.90	22.81	22.93			
10	QPSK	50	0	23.09	23.14	22.98			
10	16QAM	1	0	22.00	22.04	21.98			
10	16QAM	1	25	22.99	23.22	22.99	24.5	1	
10	16QAM	1	49	23.14	23.21	22.96			
10	16QAM	25	0	21.92	22.13	22.13			
10	16QAM	25	12	22.04	22.18	21.96	23.5	2	
10	16QAM	25	25	21.99	22.12	21.99			
10	16QAM	50	0	22.08	22.32	22.00			
10	64QAM	1	0	21.99	22.01	21.91			
10	64QAM	1	25	22.10	21.90	22.04	23.5	2	
10	64QAM	1	49	22.05	21.93	22.02			
10	64QAM	25	0	20.93	20.98	20.75			
10	64QAM	25	12	20.97	21.14	20.95	22.5	3	
10	64QAM	25	25	21.03	21.03	21.09			
10	64QAM	50	0	21.06	21.11	21.01			
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	23.91	24.23	23.90			
5	QPSK	1	12	23.83	24.01	24.00	25.5	0	
5	QPSK	1	24	23.89	24.02	24.11			
5	QPSK	12	0	22.90	23.10	23.10			
5	QPSK	12	7	23.04	22.97	23.04	24.5	1	
5	QPSK	12	13	23.02	22.78	22.96			
5	QPSK	25	0	23.09	23.06	22.93			
5	16QAM	1	0	23.11	23.27	23.03			
5	16QAM	1	12	22.96	23.22	23.14	24.5	1	
5	16QAM	1	24	23.20	23.13	22.98			
5	16QAM	12	0	21.92	22.16	22.14			
5	16QAM	12	7	22.05	22.30	21.93	23.5	2	
5	16QAM	12	13	21.89	22.11	22.06			
5	16QAM	25	0	22.18	22.27	22.09			
5	64QAM	1	0	22.01	21.97	21.89			
5	64QAM	1	12	22.00	21.96	21.90	23.5	2	
5	64QAM	1	24	22.05	22.03	21.97			
5	64QAM	12	0	21.98	21.01	20.75			
5	64QAM	12	7	21.12	21.11	21.10	22.5	3	
5	64QAM	12	13	20.92	21.07	21.12			
5	64QAM	25	0	21.06	21.07	21.08			
Channel				26705					
Frequency (MHz)				815.5					
3	QPSK	1	0	23.84	24.12	24.00			
3	QPSK	1	8	23.82	24.10	24.00	25.5	0	
3	QPSK	1	14	24.07	23.92	24.05			
3	QPSK	8	0	23.02	23.04	23.13			
3	QPSK	8	4	22.93	23.06	22.87	24.5	1	
3	QPSK	8	7	23.01	22.87	23.03			
3	QPSK	15	0	23.04	23.11	22.86			
3	16QAM	1	0	23.03	23.24	23.11			
3	16QAM	1	8	23.11	23.10	23.22	24.5	1	
3	16QAM	1	14	23.15	23.13	23.11			
3	16QAM	8	0	22.01	22.08	22.13			
3	16QAM	8	4	21.85	22.14	21.85	23.5	2	
3	16QAM	8	7	21.84	22.08	21.92			
3	16QAM	15	0	22.13	22.21	22.12			
3	64QAM	1	0	22.02	22.02	21.91			
3	64QAM	1	8	21.94	21.94	22.03	23.5	2	
3	64QAM	1	14	21.98	21.91	21.89			
3	64QAM	8	0	21.02	21.00	20.78			
3	64QAM	8	4	21.10	21.06	21.00	22.5	3	
3	64QAM	8	7	20.92	20.98	21.08			
3	64QAM	15	0	21.06	21.04	21.07			
Channel				26697					
Frequency (MHz)				814.7					



Band 38 Ant4 DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2585	2610				
20	QPSK	1	0	20.50	20.71	20.54				
20	QPSK	1	49	20.47	20.58	20.62	22	0		
20	QPSK	1	99	20.49	20.59	20.59				
20	QPSK	50	0	20.42	20.57	20.58				
20	QPSK	50	24	20.41	20.64	20.57	22	0		
20	QPSK	50	50	20.42	20.59	20.59				
20	QPSK	100	0	20.40	20.60	20.56				
20	16QAM	1	0	20.41	20.61	20.63				
20	16QAM	1	49	20.46	20.60	20.56	22	0		
20	16QAM	1	99	20.43	20.70	20.59				
20	16QAM	50	0	20.52	20.67	20.55				
20	16QAM	50	24	20.41	20.61	20.61	22	0		
20	16QAM	50	50	20.40	20.62	20.64				
20	16QAM	100	0	20.43	20.65	20.66				
20	64QAM	1	0	20.49	20.62	20.62				
20	64QAM	1	49	20.50	20.63	20.54	22	0		
20	64QAM	1	99	20.46	20.63	20.56				
20	64QAM	50	0	20.47	20.67	20.62				
20	64QAM	50	24	20.42	20.67	20.58	22	0		
20	64QAM	50	50	20.40	20.62	20.62				
20	64QAM	100	0	20.50	20.59	20.63				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.39	20.57	20.42				
15	QPSK	1	37	20.37	20.43	20.55	22	0		
15	QPSK	1	74	20.33	20.51	20.47				
15	QPSK	36	0	20.37	20.56	20.46				
15	QPSK	36	20	20.30	20.54	20.51	22	0		
15	QPSK	36	39	20.35	20.50	20.50				
15	QPSK	75	0	20.35	20.47	20.40				
15	16QAM	1	0	20.27	20.53	20.48				
15	16QAM	1	37	20.38	20.56	20.41	22	0		
15	16QAM	1	74	20.37	20.57	20.49				
15	16QAM	36	0	20.46	20.61	20.42				
15	16QAM	36	20	20.27	20.51	20.48	22	0		
15	16QAM	36	39	20.25	20.52	20.56				
15	16QAM	75	0	20.36	20.58	20.55				
15	64QAM	1	0	20.34	20.57	20.54				
15	64QAM	1	37	20.44	20.52	20.50	22	0		
15	64QAM	1	74	20.40	20.57	20.48				
15	64QAM	36	0	20.32	20.62	20.48				
15	64QAM	36	20	20.34	20.55	20.43	22	0		
15	64QAM	36	39	20.33	20.47	20.48				
15	64QAM	75	0	20.43	20.54	20.51				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.38	20.63	20.43				
10	QPSK	1	25	20.42	20.43	20.52	22	0		
10	QPSK	1	49	20.36	20.46	20.51				
10	QPSK	25	0	20.31	20.54	20.45				
10	QPSK	25	12	20.27	20.50	20.49	22	0		
10	QPSK	25	25	20.31	20.43	20.52				
10	QPSK	50	0	20.29	20.50	20.42				
10	16QAM	1	0	20.26	20.48	20.50				
10	16QAM	1	25	20.42	20.47	20.42	22	0		
10	16QAM	1	49	20.39	20.65	20.49				
10	16QAM	25	0	20.46	20.63	20.39				
10	16QAM	25	12	20.28	20.50	20.49	22	0		
10	16QAM	25	25	20.29	20.57	20.57				
10	16QAM	50	0	20.30	20.50	20.51				
10	64QAM	1	0	20.43	20.56	20.48				
10	64QAM	1	25	20.35	20.53	20.44	22	0		
10	64QAM	1	49	20.32	20.51	20.46				
10	64QAM	25	0	20.33	20.53	20.56				
10	64QAM	25	12	20.32	20.55	20.44	22	0		
10	64QAM	25	25	20.31	20.51	20.52				
10	64QAM	50	0	20.36	20.52	20.50				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.37	20.60	20.48				
5	QPSK	1	12	20.35	20.53	20.50	22	0		
5	QPSK	1	24	20.37	20.54	20.46				
5	QPSK	12	0	20.28	20.54	20.44				
5	QPSK	12	7	20.33	20.48	20.51	22	0		
5	QPSK	12	13	20.31	20.53	20.54				
5	QPSK	25	0	20.35	20.44	20.46				
5	16QAM	1	0	20.30	20.54	20.55				
5	16QAM	1	12	20.43	20.50	20.44	22	0		
5	16QAM	1	24	20.38	20.58	20.49				
5	16QAM	12	0	20.39	20.52	20.45				
5	16QAM	12	7	20.29	20.50	20.56	22	0		
5	16QAM	12	13	20.32	20.55	20.54				
5	16QAM	25	0	20.29	20.50	20.58				
5	64QAM	1	0	20.37	20.57	20.55				
5	64QAM	1	12	20.43	20.57	20.46	22	0		
5	64QAM	1	24	20.32	20.50	20.44				
5	64QAM	12	0	20.38	20.53	20.54				
5	64QAM	12	7	20.28	20.52	20.49	22	0		
5	64QAM	12	13	20.35	20.52	20.54				
5	64QAM	25	0	20.42	20.47	20.48				

Band 41 Ant4 DSI3										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620				
Frequency (MHz)				2506	2549.5	2593				
20	QPSK	1	0	20.68	20.86	20.60				
20	QPSK	1	49	20.54	20.79	20.70	22	0		
20	QPSK	1	99	20.64	20.80	20.61				
20	QPSK	50	0	20.65	20.82	20.66				
20	QPSK	50	24	20.61	20.78	20.61	22	0		
20	QPSK	50	50	20.59	20.74	20.65				
20	QPSK	100	0	20.52	20.73	20.68				
20	16QAM	1	0	20.46	20.72	20.64				
20	16QAM	1	49	20.50	20.73	20.66	22	0		
20	16QAM	1	99	20.61	20.76	20.60				
20	16QAM	50	0	20.55	20.72	20.63				
20	16QAM	50	24	20.57	20.77	20.62	22	0		
20	16QAM	50	50	20.53	20.75	20.66				
20	16QAM	100	0	20.54	20.76	20.64				
20	64QAM	1	0	20.67	20.82	20.61				
20	64QAM	1	49	20.59	20.78	20.71	22	0		
20	64QAM	1	99	20.57	20.73	20.66				
20	64QAM	50	0	20.58	20.73	20.61				
20	64QAM	50	24	20.62	20.81	20.62	22	0		
20	64QAM	50	50	20.61	20.81	20.70				
20	64QAM	100	0	20.62	20.79	20.64				
Channel				39725	40173	40620				
Frequency (MHz)				2503.5	2548.3	2593				
15	QPSK	1	0	20.48	20.68	20.43				
15	QPSK	1	37	20.31	20.56	20.51	22	0		
15	QPSK	1	74	20.38	20.64	20.37				
15	QPSK	36	0	20.48	20.57	20.52				
15	QPSK	36	20	20.36	20.62	20.36	22	0		
15	QPSK	36	39	20.34	20.49	20.39				
15	QPSK	75	0	20.30	20.49	20.42				
15	16QAM	1	0	20.28	20.52	20.45				
15	16QAM	1	37	20.30	20.57	20.43	22	0		
15	16QAM	1	74	20.47	20.55	20.37				
15	16QAM	36	0	20.44	20.65	20.29				
15	16QAM	36	20	20.36	20.62	20.43	22	0		
15	16QAM	36	39							



Reduced Power Mode for DSI4

GSM850 Ant1 Default									
GSM850 TX Channel	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)	
	128	188	251		128	188	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.24	32.41	32.57	33.50	23.24	23.41	23.57	24.50	
GPRS 1 Tx slot	32.28	32.49	32.63	33.50	23.28	23.49	23.63	24.50	
GPRS 2 Tx slots	29.81	29.88	30.09	30.50	23.81	23.88	24.09	24.50	
GPRS 3 Tx slots	27.64	27.62	27.83	28.50	23.38	23.36	23.57	24.24	
GPRS 4 Tx slots	26.45	26.74	26.71	27.50	23.45	23.74	23.71	24.50	
EDGE 1 Tx slot	26.80	26.74	26.75	28.00	17.80	17.74	17.75	18.00	
EDGE 2 Tx slots	24.21	24.12	24.30	25.00	18.21	18.12	18.30	19.00	
EDGE 3 Tx slots	22.13	22.06	22.08	23.00	17.87	17.80	17.82	18.74	
EDGE 4 Tx slots	20.73	20.78	20.98	22.00	17.73	17.78	17.98	18.00	

GSM1900 Ant1 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)	1852.2	1868	1884.8		1852.2	1868	1884.8		
GSM 1 Tx slot	28.78	29.04	29.21	30.50	19.78	20.04	20.21	21.50	
GPRS 1 Tx slot	28.78	29.03	29.16	30.50	19.78	20.03	20.16	21.50	
GPRS 2 Tx slots	26.01	26.26	26.42	27.50	20.01	20.26	20.42	21.50	
GPRS 3 Tx slots	24.28	24.21	24.58	25.00	19.95	20.35	21.24		
GPRS 4 Tx slots	23.15	23.44	23.41	24.50	20.15	20.44	20.41	21.50	
EDGE 1 Tx slot	25.84	25.70	28.13	27.00	16.84	16.76	17.13	18.00	
EDGE 2 Tx slots	22.70	22.53	22.98	24.00	16.70	16.53	16.98	18.00	
EDGE 3 Tx slots	20.97	20.71	21.12	22.00	16.71	16.45	16.86	17.74	
EDGE 4 Tx slots	20.04	20.06	20.19	21.00	17.04	17.06	17.19	18.00	

Band	WCDMA II Ant1 Default				WCDMA IV Ant1 Default				WCDMA V Ant1 Default			
	WCDMA II			Tune-up Limit (dbm)	WCDMA IV			Tune-up Limit (dbm)	WCDMA V			Tune-up Limit (dbm)
Rx Channel	9902	9900	9938		1312	1513	1513		4192	4192	4232	
Frequency (MHz)	1852.4	1868	1907.8		1537	1638	1738		4367	4407	4468	
3GPP Rel 99 AMR 12.2kbps	23.46	23.58	23.54	25.00	23.54	23.71	23.58	25.00	23.55	23.68	23.61	25.00
3GPP Rel 99 RMC 12.2kbps	23.54	23.65	23.64	25.00	23.76	23.77	23.67	25.00	23.94	23.68	23.65	25.00
3GPP Rel 6 HSDPA Subtest-1	22.48	22.55	22.53	24.00	22.64	22.79	22.75	24.00	22.68	22.75	22.71	24.00
3GPP Rel 6 HSDPA Subtest-2	22.50	22.53	22.41	24.00	22.59	22.70	22.64	24.00	22.63	22.68	22.66	24.00
3GPP Rel 6 HSDPA Subtest-3	21.95	22.08	22.08	23.50	22.15	22.25	22.15	23.50	22.15	22.19	22.19	23.50
3GPP Rel 6 HSDPA Subtest-4	21.93	22.05	21.93	23.50	22.13	22.19	22.13	23.50	22.12	22.21	22.11	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	22.42	22.50	22.51	24.00	22.68	22.69	22.60	24.00	22.63	22.68	22.68	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	22.41	22.45	22.41	24.00	22.57	22.65	22.63	24.00	22.54	22.58	22.53	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	21.92	22.05	21.98	23.50	22.05	22.20	22.05	23.50	22.05	22.05	22.03	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	21.87	21.99	21.81	23.50	22.01	22.08	22.08	23.50	22.00	22.14	22.04	23.50
3GPP Rel 6 HSUPA Subtest-1	22.38	22.41	22.39	24.00	22.47	22.60	22.57	24.00	22.49	22.82	22.80	24.00
3GPP Rel 6 HSUPA Subtest-2	20.49	20.61	20.55	22.00	20.64	20.71	20.62	22.00	20.69	20.77	20.61	22.00
3GPP Rel 6 HSUPA Subtest-3	21.58	21.68	21.56	23.00	21.72	21.81	21.76	23.00	21.72	21.78	21.75	23.00
3GPP Rel 6 HSUPA Subtest-4	20.38	20.55	20.38	22.00	20.55	20.68	20.58	22.00	20.59	20.69	20.60	22.00
3GPP Rel 6 HSUPA Subtest-5	22.39	22.47	22.38	24.00	22.58	22.65	22.57	24.00	22.59	22.63	22.64	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.98	20.13	20.08	21.50	20.22	20.34	20.28	21.50	20.16	20.38	20.20	21.50



Band 2 Ant1 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.14	24.27	24.05				
20	QPSK	1	49	24.05	24.18	23.90	25.5	0		
20	QPSK	1	99	24.01	24.24	23.97				
20	QPSK	50	0	23.18	23.25	23.16				
20	QPSK	50	24	23.04	23.21	23.04	24.5	1		
20	QPSK	50	60	23.05	23.11	23.08				
20	QPSK	100	0	23.20	23.26	23.13				
20	16QAM	1	0	22.99	23.03	22.96				
20	16QAM	1	49	22.98	22.93	22.91	24.5	1		
20	16QAM	1	99	22.89	22.88	22.84				
20	16QAM	50	0	22.19	22.33	22.22				
20	16QAM	50	24	22.05	22.26	22.11				
20	16QAM	50	60	22.09	22.26	22.13	23.5	2		
20	16QAM	100	0	22.19	22.25	22.11				
20	64QAM	1	0	22.04	22.15	22.05				
20	64QAM	1	49	21.98	22.11	21.97	23.5	2		
20	64QAM	1	99	21.83	22.01	22.00				
20	64QAM	50	0	21.18	21.32	21.20				
20	64QAM	50	24	21.14	21.21	21.12	22.5	3		
20	64QAM	50	60	21.11	21.24	21.10				
20	64QAM	100	0	21.01	21.11	21.05				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.06	24.22	23.96				
15	QPSK	1	37	23.83	24.15	23.79	25.5	0		
15	QPSK	1	74	23.80	24.19	23.78				
15	QPSK	36	0	23.06	23.19	23.07				
15	QPSK	36	20	22.92	22.89	22.97	24.5	1		
15	QPSK	36	39	23.01	22.92	22.97				
15	QPSK	75	0	23.04	23.22	23.07				
15	16QAM	1	0	22.28	22.48	22.83				
15	16QAM	1	37	22.93	22.74	22.87	24.5	1		
15	16QAM	1	74	22.86	22.81	22.76				
15	16QAM	36	0	22.11	22.29	22.08				
15	16QAM	36	20	21.97	22.15	22.05	23.5	2		
15	16QAM	36	39	21.89	22.14	21.95				
15	16QAM	75	0	22.04	22.22	21.93				
15	16QAM	75	0	21.87	21.98	21.91	23.5	2		
15	64QAM	1	37	21.89	22.00	21.79				
15	64QAM	1	74	21.77	21.83	21.85				
15	64QAM	36	0	21.00	21.23	21.11				
15	64QAM	36	20	20.92	21.16	21.03	22.5	3		
15	64QAM	36	39	21.00	21.05	20.95				
15	64QAM	75	0	20.90	20.98	20.98				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.01	24.20	23.96				
10	QPSK	1	25	23.87	24.09	23.87	25.5	0		
10	QPSK	1	49	23.98	24.10	23.89				
10	QPSK	25	0	23.14	23.07	22.98				
10	QPSK	25	12	22.95	22.96	22.92	24.5	1		
10	QPSK	25	25	22.98	23.00	22.93				
10	QPSK	50	0	22.98	23.13	23.06				
10	16QAM	1	0	22.78	22.92	22.89				
10	16QAM	1	25	22.83	22.83	22.81	24.5	1		
10	16QAM	1	49	22.78	22.72	22.71				
10	16QAM	25	0	22.01	22.22	22.19				
10	16QAM	25	12	21.92	22.06	21.96	23.5	2		
10	16QAM	25	25	21.95	22.10	22.05				
10	16QAM	50	0	22.03	22.06	22.04				
10	64QAM	1	0	21.88	21.95	21.88				
10	64QAM	1	25	21.87	21.99	21.80	23.5	2		
10	64QAM	1	49	21.75	21.97	21.80				
10	64QAM	25	0	21.26	21.35	21.07				
10	64QAM	25	12	20.95	21.05	20.92	22.5	3		
10	64QAM	25	25	20.95	21.07	20.98				
10	64QAM	50	0	20.92	20.97	20.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.03	24.12	23.92				
5	QPSK	1	12	23.84	24.13	23.83	25.5	0		
5	QPSK	1	24	23.82	24.20	23.85				
5	QPSK	12	0	23.13	23.09	23.13				
5	QPSK	12	7	22.85	22.93	22.99	24.5	1		
5	QPSK	12	13	22.88	23.13	22.93				
5	QPSK	25	0	23.00	23.06	23.00				
5	16QAM	1	0	22.28	22.48	22.81				
5	16QAM	1	12	22.93	22.76	22.82	24.5	1		
5	16QAM	1	24	22.85	22.69	22.77				
5	16QAM	12	0	22.03	22.25	22.03				
5	16QAM	12	7	21.95	22.09	22.06	23.5	2		
5	16QAM	12	13	21.90	22.06	22.04				
5	16QAM	25	0	22.06	22.16	21.94				
5	16QAM	25	0	22.00	22.10	21.90	23.5	2		
5	64QAM	1	12	21.76	21.98	21.80				
5	64QAM	1	24	21.77	21.85	21.91				
5	64QAM	12	0	20.97	21.27	21.12				
5	64QAM	12	7	20.99	21.15	21.06	22.5	3		
5	64QAM	12	13	21.04	21.04	20.90				
5	64QAM	25	0	20.92	20.90	20.99				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.02	24.12	23.90				
3	QPSK	1	8	23.93	24.11	23.86	25.5	0		
3	QPSK	1	14	23.92	24.17	23.87				
3	QPSK	8	0	22.98	23.12	23.06				
3	QPSK	8	4	22.93	23.02	22.98	24.5	1		
3	QPSK	8	7	22.83	22.96	22.88				
3	QPSK	15	0	23.10	23.11	23.05				
3	16QAM	1	0	22.84	22.84	22.83				
3	16QAM	1	8	22.86	22.84	22.84	24.5	1		
3	16QAM	8	0	22.08	22.16	22.14				
3	16QAM	8	4	21.85	22.12	22.00	23.5	2		
3	16QAM	8	7	21.95	22.18	22.03				
3	16QAM	15	0	21.99	22.11	21.92				
3	64QAM	1	0	21.98	21.99	21.84				
3	64QAM	1	8	21.82	21.99	21.83	23.5	2		
3	64QAM	1	14	21.91	21.93	21.84				
3	64QAM	8	0	21.12	21.20	21.02				
3	64QAM	8	4	20.93	21.16	21.01	22.5	3		
3	64QAM	8	7	20.94	21.02	21.06				
3	64QAM	15	0	20.97	20.90	20.91				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	23.93	24.07	23.89				
1.4	QPSK	1	3	23.96	24.13	23.71	25.5	0		
1.4	QPSK	1	5	23.94	24.02	23.90				
1.4	QPSK	3	0	24.03	24.05	23.83				
1.4	QPSK	3	1	24.01	23.97	23.79				
1.4	QPSK	3	3	23.86	24.07	23.91	24.5	1		
1.4	QPSK	6	0	23.08	23.14	23.09				
1.4	16QAM	1	0	23.01	23.02	22.99				
1.4	16QAM	1	3	22.98	23.03	22.94	24.5	1		
1.4	16QAM	1	5	23.00	23.11	23.08				
1.4	16QAM	3	0	22.01	22.84	22.88				
1.4	16QAM	3	1	22.74	22.71	22.71	24.5	1		
1.4	16QAM	3	3	22.81	22.80	22.82				
1.4	16QAM	6	0	22.09	22.20	22.05	23.5	2		
1.4	64QAM	1	0	21.89	22.20	22.03				
1.4	64QAM	1	3	21.97	22.19	22.01				
1.4	64QAM	1	5	22.06	22.09	21.91	23.5	2		
1.4	64QAM	3	0	22.01	21.96	21.87				
1.4	64QAM	3	1	21.88	22.08	22.05				
1.4	64QAM	3	3	22.02	22.04	22.08	22.5	3		
1.4	64QAM	6	0	20.98	20.99	20.98				

Band 4 Ant1 Default										
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Band 13 Ant1 Default										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.34	24.19	24.13				
10	QPSK	1	25	24.31			25.5	0		
10	QPSK	1	49	24.23						
10	QPSK	25	0	23.31						
10	QPSK	25	12	23.16			24.5	1		
10	QPSK	25	25	23.27						
10	QPSK	50	0	23.32						
10	16QAM	1	0	23.31						
10	16QAM	1	25	23.18			24.5	1		
10	16QAM	1	49	23.28						
10	16QAM	25	0	22.31						
10	16QAM	25	12	22.17			23.5	2		
10	16QAM	25	25	22.26						
10	16QAM	50	0	22.36						
10	64QAM	1	0	22.23						
10	64QAM	1	25	22.10			23.5	2		
10	64QAM	1	49	22.20						
10	64QAM	25	0	21.37						
10	64QAM	25	12	21.31			22.5	3		
10	64QAM	25	25	21.26						
10	64QAM	50	0	21.29						
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.15	24.19	24.13				
5	QPSK	1	12	24.20	24.14	24.13				
5	QPSK	1	24	24.08	24.19	24.07				
5	QPSK	12	0	23.24	23.13	23.27				
5	QPSK	12	7	22.97	23.10	23.07	24.5	1		
5	QPSK	12	13	23.21	23.18	23.24				
5	QPSK	25	0	23.19	23.10	23.28				
5	16QAM	1	0	23.12	23.12	23.27				
5	16QAM	1	12	22.98	23.15	23.15	24.5	1		
5	16QAM	1	24	23.23	23.21	23.12				
5	16QAM	12	0	22.14	22.10	22.20				
5	16QAM	12	7	22.14	22.11	21.99	23.5	2		
5	16QAM	12	13	22.16	22.22	22.12				
5	16QAM	25	0	22.31	22.30	22.31				
5	64QAM	1	0	22.02	22.06	22.20				
5	64QAM	1	12	21.96	22.03	21.96	23.5	2		
5	64QAM	1	24	22.15	22.04	22.11				
5	64QAM	12	0	21.24	21.29	21.32				
5	64QAM	12	7	21.22	21.09	21.21	22.5	3		
5	64QAM	12	13	21.09	21.14	21.12				
5	64QAM	25	0	21.23	21.23	21.19				

Band 26 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765					
Frequency (MHz)				821.5					
15	QPSK	1	0	24.02	24.41	24.19			
15	QPSK	1	37	23.92	24.29	24.14	25.5	0	
15	QPSK	1	74	23.97	24.28	24.08			
15	QPSK	36	0	22.98	23.11	23.06			
15	QPSK	36	20	22.97	23.00	23.00	24.5	1	
15	QPSK	36	39	22.86	22.97	23.01			
15	QPSK	75	0	23.01	23.15	23.14			
15	16QAM	1	0	23.02	23.17	23.11			
15	16QAM	1	37	22.87	23.03	23.06	24.5	1	
15	16QAM	1	74	22.93	23.08	23.04			
15	16QAM	36	0	22.02	22.20	22.00			
15	16QAM	36	20	21.91	22.12	21.95	23.5	2	
15	16QAM	36	39	21.94	22.16	21.96			
15	16QAM	75	0	21.87	22.17	22.02			
15	64QAM	1	0	22.02	22.12	22.13			
15	64QAM	1	37	21.92	22.00	22.02	23.5	2	
15	64QAM	1	74	21.99	22.04	22.05			
15	64QAM	36	0	20.78	20.94	20.85			
15	64QAM	36	39	20.69	21.04	20.90	22.5	3	
15	64QAM	75	0	20.88	21.08	21.08			
Channel				26876					
Frequency (MHz)				819					
10	QPSK	1	0	23.86	24.38	23.98			
10	QPSK	1	25	23.80	24.24	23.92	25.5	0	
10	QPSK	1	49	23.89	24.10	23.92			
10	QPSK	25	0	22.89	22.98	23.00			
10	QPSK	25	12	22.67	22.85	22.82	24.5	1	
10	QPSK	25	25	22.81	22.85	22.79			
10	QPSK	50	0	22.92	23.11	23.11			
10	16QAM	1	0	22.99	22.85	22.92			
10	16QAM	1	25	22.72	22.82	22.87	24.5	1	
10	16QAM	1	49	22.89	22.93	22.94			
10	16QAM	25	0	21.83	22.15	21.96			
10	16QAM	25	12	21.70	22.10	21.91	23.5	2	
10	16QAM	25	25	21.78	22.11	21.85			
10	16QAM	50	0	21.80	22.09	21.98			
10	64QAM	1	0	21.91	22.05	21.94			
10	64QAM	1	25	21.89	21.85	21.90	23.5	2	
10	64QAM	1	49	21.78	22.02	21.93			
10	64QAM	25	0	20.75	21.04	20.82			
10	64QAM	25	12	20.68	20.92	20.80	22.5	3	
10	64QAM	25	25	20.58	20.86	20.73			
10	64QAM	50	0	20.60	20.90	20.65			
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	23.82	24.26	24.13			
5	QPSK	1	12	23.81	24.26	24.08	25.5	0	
5	QPSK	1	24	23.83	24.15	23.93			
5	QPSK	12	0	22.95	23.03	22.91			
5	QPSK	12	7	22.80	22.88	22.90	24.5	1	
5	QPSK	12	13	22.78	22.83	22.86			
5	QPSK	25	0	22.88	23.04	22.99			
5	16QAM	1	0	22.85	23.01	22.91			
5	16QAM	1	12	22.66	22.93	23.00	24.5	1	
5	16QAM	1	24	22.82	22.87	23.00			
5	16QAM	12	0	21.96	22.26	21.80			
5	16QAM	12	7	21.74	21.93	21.84	23.5	2	
5	16QAM	12	13	21.90	21.96	21.83			
5	16QAM	25	0	21.82	22.03	21.88			
5	64QAM	1	0	21.85	21.98	21.91			
5	64QAM	1	12	21.86	21.95	21.98	23.5	2	
5	64QAM	1	24	21.82	21.84	22.02			
5	64QAM	12	0	20.61	20.86	20.85			
5	64QAM	12	7	20.69	20.75	20.75	22.5	3	
5	64QAM	12	13	20.65	20.88	20.84			
5	64QAM	25	0	20.73	20.99	20.98			
Channel				26805					
Frequency (MHz)				815.5					
3	QPSK	1	0	23.91	24.32	24.00			
3	QPSK	1	8	23.85	24.25	24.04	25.5	0	
3	QPSK	1	14	23.88	24.17	23.91			
3	QPSK	8	0	22.77	22.99	22.85			
3	QPSK	8	4	22.78	22.87	22.80	24.5	1	
3	QPSK	8	7	22.81	22.88	22.81			
3	QPSK	15	0	22.98	23.01	23.06			
3	16QAM	1	0	23.00	23.96	23.05			
3	16QAM	1	8	22.81	22.89	22.91	24.5	1	
3	16QAM	1	14	22.78	23.05	22.92			
3	16QAM	8	0	21.90	22.02	21.96			
3	16QAM	8	4	21.79	21.91	21.83	23.5	2	
3	16QAM	8	7	21.76	22.11	21.83			
3	16QAM	15	0	21.70	21.96	21.87			
3	64QAM	1	0	21.87	22.06	22.11			
3	64QAM	1	8	21.85	21.87	21.82	23.5	2	
3	64QAM	1	14	21.80	22.02	21.85			
3	64QAM	8	0	20.81	21.03	20.90			
3	64QAM	8	4	20.67	20.82	20.65	22.5	3	
3	64QAM	8	7	20.47	20.96	20.75			
3	64QAM	15	0	20.78	21.02	20.68			
Channel				26897					
Frequency (MHz)				814.7					
1.4	QPSK	1	0	23.93	24.26	23.99			
1.4	QPSK	1	3	23.74	24.09	23.94	25.5	0	
1.4	QPSK	1	5	23.92	24.10	24.02			
1.4	QPSK	3	0	23.95	24.29	24.03	</		

Band 38 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.01	24.12	24.08			
20	QPSK	1	49	23.91	24.02	24.01	25.5	0	
20	QPSK	1	99	23.86	24.06	23.98			
20	QPSK	50	0	23.01	23.11	23.06			
20	QPSK	50	24	22.98	22.96	22.98	24.5	1	
20	QPSK	50	50	22.86	23.07	22.93			
20	QPSK	100	0	23.04	23.09	22.97			
20	16QAM	1	0	22.86	23.07	23.01			
20	16QAM	1	49	22.92	22.83	22.85	24.5	1	
20	16QAM	1	99	22.77	22.93	22.84			
20	16QAM	50	0	22.07	22.12	22.06			
20	16QAM	50	24	22.04	21.99	22.01	23.5	2	
20	16QAM	50	50	22.00	22.06	21.88			
20	16QAM	100	0	22.00	22.11	22.08			
20	84QAM	1	0	22.11	22.22	22.18			
20	84QAM	1	49	22.00	22.12	22.09	23.5	2	
20	84QAM	1	99	21.87	22.02	22.03			
20	84QAM	50	0	21.10	21.20	21.15			
20	84QAM	50	24	21.01	21.08	21.08	22.5	3	
20	84QAM	50	50	20.90	21.12	21.08			
20	84QAM	100	0	21.07	21.19	21.10			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.90	23.94	23.90			
15	QPSK	1	37	23.86	23.90	23.84	25.5	0	
15	QPSK	1	74	23.85	23.98	23.82			
15	QPSK	36	0	22.87	22.93	22.89			
15	QPSK	36	20	22.92	22.81	22.81	24.5	1	
15	QPSK	36	39	22.86	22.86	22.87			
15	QPSK	75	0	22.98	22.91	22.88			
15	16QAM	1	0	22.83	23.02	22.92			
15	16QAM	1	37	22.77	22.73	22.76	24.5	1	
15	16QAM	1	74	22.66	22.96	22.73			
15	16QAM	36	0	21.94	21.90	21.87			
15	16QAM	36	20	21.97	21.78	21.86	23.5	2	
15	16QAM	36	39	21.81	22.02	21.93			
15	16QAM	75	0	21.93	22.03	22.05			
15	84QAM	1	0	22.07	22.08	22.14			
15	84QAM	1	37	21.86	21.91	22.01	23.5	2	
15	84QAM	1	74	21.84	21.97	21.84			
15	84QAM	36	0	21.01	21.00	21.02			
15	84QAM	36	20	20.80	20.87	20.90	22.5	3	
15	84QAM	36	39	20.90	20.91	21.04			
15	84QAM	75	0	20.86	21.16	21.06			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.84	24.09				
10	QPSK	1	25	23.86	23.81	23.91	25.5	0	
10	QPSK	1	49	23.70	23.86	23.95			
10	QPSK	25	0	22.82	22.96	22.99			
10	QPSK	25	12	22.77	22.86	22.92	24.5	1	
10	QPSK	25	25	22.81	23.00	22.79			
10	QPSK	50	0	22.94	22.94	22.80			
10	16QAM	1	0	22.80	23.01	22.85			
10	16QAM	1	25	22.83	22.73	22.81	24.5	1	
10	16QAM	1	49	22.84	22.86	22.68			
10	16QAM	25	0	21.90	22.06	22.03			
10	16QAM	25	12	22.00	21.91	21.81	23.5	2	
10	16QAM	25	25	21.85	21.85	21.88			
10	16QAM	50	0	21.85	21.94	21.97			
10	84QAM	1	0	22.07	22.11	22.08	23.5	2	
10	84QAM	1	25	21.95	22.08	22.01			
10	84QAM	1	49	21.88	21.80	21.83			
10	84QAM	25	0	21.02	21.11	21.08	22.5	3	
10	84QAM	25	12	20.95	20.88	21.05			
10	84QAM	25	25	20.87	21.09	21.06			
10	84QAM	50	0	21.01	21.11	20.90			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.98	24.07	24.04			
5	QPSK	1	12	23.86	23.94	23.95	25.5	0	
5	QPSK	1	24	23.87	23.87	23.85			
5	QPSK	12	0	22.97	23.00	22.95			
5	QPSK	12	7	22.88	22.85	22.87	24.5	1	
5	QPSK	12	13	22.73	22.89	22.87			
5	QPSK	25	0	22.80	22.94	22.83			
5	16QAM	1	0	22.79	22.99	22.90			
5	16QAM	1	12	22.74	22.81	22.69	24.5	1	
5	16QAM	1	24	22.64	22.74	22.72			
5	16QAM	12	0	22.01	21.91	21.94			
5	16QAM	12	7	21.88	21.81	21.97	23.5	2	
5	16QAM	12	13	21.81	22.03	21.83			
5	16QAM	25	0	21.85	21.98	21.83			
5	84QAM	1	0	22.07	22.01	22.03	23.5	2	
5	84QAM	1	12	21.81	21.97	21.89			
5	84QAM	1	24	21.72	21.89	21.82			
5	84QAM	12	0	20.92	21.17	21.11			
5	84QAM	12	7	20.87	21.03	21.07	22.5	3	
5	84QAM	12	13	20.79	20.94	21.05			
5	84QAM	25	0	20.86	20.98	20.99			

Band 41 Ant1 Default										
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.91	23.98	24.15	24.09	24.06		
20	QPSK	1	49	23.84	23.85	24.12	24.01	23.95	25.5	0
20	QPSK	1	99	23.80	23.89	24.01	23.97	23.85		
20	QPSK	50	0	23.04	23.09	23.14	23.11	23.09		
20	QPSK	50	24	22.91	23.00	23.05	23.03	22.94	24.5	1
20	QPSK	50	50	22.98	22.98	23.01	23.04	22.98		
20	QPSK	100	0	22.95	23.03	23.07	22.92	22.98		
20	16QAM	1	0	23.05	22.99	23.10	22.97	22.96		
20	16QAM	1	49	22.93	22.85	23.03	22.85	22.87	24.5	1
20	16QAM	1	99	22.99	22.95	23.04	22.91	22.82		
20	16QAM	50	0	21.88	21.94	21.97	21.90	21.91		
20	16QAM	50	24	21.74	21.86	21.85	21.75	21.85	23.5	2
20	16QAM	50	50	21.76	21.88	21.88	21.84	21.77		
20	16QAM	100	0	22.00	22.03	22.09	22.04	21.98		
20	84QAM	1	0	22.12	22.04	22.18	22.09	22.10		
20	84QAM	1	49	22.08	21.97	22.05	22.01	22.04	23.5	2
20	84QAM	1	99	21.98	21.96	22.06	21.97	22.04		
20	84QAM	50	0	21.04	20.99	21.08	20.98	21.02		
20	84QAM	50	24	20.98	20.89	20.93	20.95	20.89	22.5	3
20	84QAM	50	50	20.83	20.85	20.93	20.84	20.94		
20	84QAM	100	0	20.98	21.01	21.10	20.98	20.98		
Channel				39725	40173	40620	41058	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.70	23.79	24.06	23.91	23.86		
15	QPSK	1	37	23.78	23.70	24.07	23.81	23.83	26	0
15	QPSK	1	74	23.61	23.68	23.84	23.81	23.77		
15	QPSK	36	0	22.94	22.92	22.98	23.00	22.90		
15	QPSK	36	20	22.82	22.81	22.89	22.85	22.84	24.5	1
15	QPSK	36	39	22.91	22.88	22.91	22.86	22.86		
15	QPSK	75	0	22.82	22.82	23.04	22.89	22.78		
15	16QAM	1	0	22.86	22.90	22.96	22.89	22.76		
15	16QAM	1	37	22.80	22.82	22.91	22.63	22.76	24.5	1
15	16QAM	1	74	22.84	22.78	22.89	22.85	22.84		
15	16QAM	36	0	21.70	21.79	21.88	21.74	21.88		
15	16QAM	36	20	21.52	21.79	21.68	21.60	2		



GSM850 An4 Default								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	32.2	32.4	32.8	32.2	32.4	32.8	32.2	32.4
GSM 1 Tx slot	32.56	32.47	32.57	33.50	23.35	23.47	23.57	24.50
GPRS 1 Tx slot	32.38	32.51	32.58	33.50	23.38	23.51	23.58	24.50
GPRS 2 Tx slots	30.53	30.42	30.54	31.00	24.53	24.42	24.54	25.00
GPRS 3 Tx slots	28.95	28.49	28.31	28.50	24.19	24.23	24.05	25.24
GPRS 4 Tx slots	27.22	27.15	27.16	28.00	24.22	24.15	24.16	25.00
EDGE 1 Tx slot	26.88	26.93	26.91	28.00	17.88	17.93	17.91	19.00
EDGE 2 Tx slots	24.33	24.31	24.29	26.50	18.33	18.31	18.29	19.50
EDGE 3 Tx slots	22.52	22.22	22.17	24.00	18.06	17.96	17.91	19.74
EDGE 4 Tx slots	20.59	20.68	20.57	22.00	17.59	17.68	17.57	19.00

GSM1900 An4 Default								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	861	810		512	861	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	28.87	28.98	29.27	30.00	19.87	19.98	20.27	21.00
GPRS 1 Tx slot	28.91	29.00	29.31	30.00	19.91	20.00	20.31	21.00
GPRS 2 Tx slots	26.05	26.45	26.43	27.50	20.05	20.49	20.43	21.50
GPRS 3 Tx slots	24.17	24.23	24.59	25.00	19.91	19.97	20.33	20.74
GPRS 4 Tx slots	22.87	22.77	23.07	23.50	19.87	19.77	20.07	20.50
EDGE 1 Tx slot	25.33	25.36	25.73	26.00	18.33	18.36	18.73	17.00
EDGE 2 Tx slots	22.27	22.39	22.44	22.50	16.27	16.39	16.44	16.50
EDGE 3 Tx slots	20.44	20.46	20.42	20.50	16.18	16.20	16.16	16.24
EDGE 4 Tx slots	19.40	19.33	19.46	19.50	16.40	16.33	16.46	16.50

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	4132	4162	4233	
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458		
Frequency (MHz)	1852.2	1869	1897.8	1722.4	1722.3	1722.3	435.4	435.4	446.6		
3GPP Rel 99 AMR 12.2Kbps	23.59	23.70	23.60	25.00	21.69	21.79	21.76	23.00	23.53	23.66	23.71
3GPP Rel 99 RMC 12.2Kbps	23.65	23.71	23.64	25.00	21.81	21.93	21.69	23.58	23.73	23.72	25.00
3GPP Rel 6 HSDPA Subtest-1	22.53	22.72	22.86	24.00	20.67	20.72	20.76	22.00	22.65	22.62	24.00
3GPP Rel 6 HSDPA Subtest-2	22.57	22.63	22.52	24.00	20.66	20.62	20.62	22.00	22.65	22.70	22.50
3GPP Rel 6 HSDPA Subtest-3	22.10	22.25	22.21	23.50	20.18	20.19	20.28	21.50	22.01	22.21	22.23
3GPP Rel 6 HSDPA Subtest-4	22.10	22.21	22.09	23.50	20.16	20.28	20.17	21.50	22.06	22.17	22.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.52	22.67	22.58	24.00	20.63	20.63	20.65	22.00	22.53	22.63	22.60
3GPP Rel 8 DC-HSDPA Subtest-2	22.48	22.52	22.56	24.00	20.61	20.64	20.69	22.00	22.50	22.54	22.51
3GPP Rel 8 DC-HSDPA Subtest-3	21.98	22.20	22.11	23.50	20.09	20.31	20.11	21.50	22.03	22.22	22.02
3GPP Rel 8 DC-HSDPA Subtest-4	21.93	22.05	21.96	23.50	20.01	20.19	20.08	21.50	21.95	22.15	22.05
3GPP Rel 6 HSUPA Subtest-1	22.46	22.56	22.53	24.00	20.55	20.60	20.59	22.00	22.41	22.52	22.46
3GPP Rel 6 HSUPA Subtest-2	20.58	20.73	20.64	22.00	18.67	18.85	18.76	20.00	20.52	20.72	20.63
3GPP Rel 6 HSUPA Subtest-3	21.71	21.82	21.70	23.00	19.74	19.78	19.75	21.00	21.65	21.82	21.63
3GPP Rel 6 HSUPA Subtest-4	20.51	20.63	20.54	22.00	18.61	18.84	18.53	20.00	20.51	20.69	20.55
3GPP Rel 6 HSUPA Subtest-5	22.53	22.61	22.52	24.00	20.54	20.75	20.52	22.00	22.53	22.61	22.55
3GPP Rel 7 HSPA+ (MIMO) Subtest-1	20.13	20.22	20.14	21.50	18.26	18.31	18.15	19.50	20.13	20.24	20.17



Band 2 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)	
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.14	24.25	24.21				
20	QPSK	1	49	24.17	24.18	24.03		25.5	0	
20	QPSK	1	99	24.04	24.22	24.17				
20	QPSK	50	0	23.00	23.12	22.95				
20	QPSK	50	24	23.04	23.00	22.96		24.5	1	
20	QPSK	50	50	22.92	23.06	22.92				
20	QPSK	100	0	22.89	23.00	22.90				
20	16QAM	1	0	23.18	23.15	23.08				
20	16QAM	1	49	23.20	23.00	23.14		24.5	1	
20	16QAM	1	99	23.22	23.21	23.16				
20	16QAM	50	0	21.91	22.09	22.06				
20	16QAM	50	24	22.02	22.05	21.90		23.5	2	
20	16QAM	50	50	22.09	22.05	21.99				
20	16QAM	100	0	22.09	21.91	22.23				
20	64QAM	1	0	21.95	22.00	22.03				
20	64QAM	1	49	22.11	22.02	21.94		23.5	2	
20	64QAM	1	99	21.98	22.11	22.15				
20	64QAM	50	0	21.10	21.19	21.13				
20	64QAM	50	24	21.12	21.05	21.14		22.5	3	
20	64QAM	50	50	21.22	21.16	21.10				
20	64QAM	100	0	21.03	21.08	21.14				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.01	24.20	24.13				
15	QPSK	1	37	24.10	23.99	24.00		25.5	0	
15	QPSK	1	74	23.90	24.16	24.14				
15	QPSK	36	0	22.83	23.05	22.92				
15	QPSK	36	20	22.94	22.87	22.77		24.5	1	
15	QPSK	36	39	22.85	22.97	22.90				
15	QPSK	75	0	22.67	22.87	22.79				
15	16QAM	1	0	23.05	23.00	22.83				
15	16QAM	1	37	23.13	23.02			24.5	1	
15	16QAM	1	74	23.05	23.18	23.07				
15	16QAM	36	0	21.71	22.05	21.85				
15	16QAM	36	20	21.85	21.89	21.80		23.5	2	
15	16QAM	36	39	21.96	22.01	21.85				
15	16QAM	75	0	21.88	21.75	22.05				
15	16QAM	75	0	21.92	21.80	21.99		23.5	2	
15	64QAM	1	37	21.93	21.96	21.81				
15	64QAM	1	74	21.89	22.03	22.00				
15	64QAM	36	0	21.03	20.99	21.01				
15	64QAM	36	20	20.91	20.98	21.05		22.5	3	
15	64QAM	36	39	21.18	21.12	20.96				
15	64QAM	75	0	20.90	21.01	20.96				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.99	24.05	24.01				
10	QPSK	1	25	24.12	24.02	23.98		25.5	0	
10	QPSK	1	49	23.92	24.16	23.96				
10	QPSK	25	0	22.82	23.05	22.73				
10	QPSK	25	12	22.92	22.98	22.79		24.5	1	
10	QPSK	25	25	22.89	22.85	22.79				
10	QPSK	50	0	22.70	22.81	22.75				
10	16QAM	1	0	23.15	22.99	22.90				
10	16QAM	1	25	23.02	22.81	22.95		24.5	1	
10	16QAM	1	49	23.16	23.15	23.12				
10	16QAM	25	0	21.91	21.97	21.97		23.5	2	
10	16QAM	25	12	21.92	21.81	22.06				
10	16QAM	25	25	21.91	21.97	21.97				
10	16QAM	50	0	21.92	21.81	22.06				
10	64QAM	1	0	21.90	21.91	21.89		23.5	2	
10	64QAM	1	25	21.92	21.98	21.74				
10	64QAM	1	49	21.92	22.01	21.96				
10	64QAM	25	0	20.93	21.00	20.94				
10	64QAM	25	12	21.09	20.97	20.97		22.5	3	
10	64QAM	25	25	21.17	21.10	20.88				
10	64QAM	50	0	20.81	20.87	21.03				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.97	24.19	24.01				
5	QPSK	1	14	24.14	24.04	24.00		25.5	0	
5	QPSK	1	24	23.93	24.17	24.11				
5	QPSK	12	0	22.90	23.05	22.85				
5	QPSK	12	7	22.98	22.90	22.84		24.5	1	
5	QPSK	12	13	22.82	23.03	22.89				
5	QPSK	25	0	22.81	22.86	22.80				
5	16QAM	1	0	22.98	22.98	22.99				
5	16QAM	1	12	23.01	22.83	22.98		24.5	1	
5	16QAM	1	24	23.20	23.18	23.14				
5	16QAM	12	0	21.77	21.88	21.89				
5	16QAM	12	7	21.89	21.94	21.78		23.5	2	
5	16QAM	12	13	21.90	21.89	21.90				
5	16QAM	25	0	21.94	21.83	22.08				
5	16QAM	25	0	21.78	21.84	21.82		23.5	2	
5	64QAM	1	12	22.07	21.89	21.79				
5	64QAM	1	24	21.90	21.93	21.99				
5	64QAM	12	0	21.01	21.09	20.91		22.5	3	
5	64QAM	12	7	21.04	20.90	21.09				
5	64QAM	12	13	21.19	20.84	21.08				
5	64QAM	25	0	20.97	21.02	21.01				
Channel										
Frequency (MHz)										
3	QPSK	1	0	23.94	24.08	24.00				
3	QPSK	1	8	24.13	24.03	23.96		25.5	0	
3	QPSK	1	14	23.97	24.06	23.95				
3	QPSK	8	0	22.95	23.07	22.78				
3	QPSK	8	7	22.90	22.82	22.86		24.5	1	
3	QPSK	8	7	22.82	22.95	22.88				
3	QPSK	15	0	22.78	22.95	22.84				
3	16QAM	1	0	23.61	23.08	22.92				
3	16QAM	1	8	23.06	22.84	22.92		24.5	1	
3	16QAM	8	0	21.87	21.95	21.97				
3	16QAM	8	4	21.98	22.00	21.69		23.5	2	
3	16QAM	8	7	21.89	21.96	21.81				
3	16QAM	15	0	21.89	21.74	22.13				
3	64QAM	1	0	21.80	21.79	21.97				
3	64QAM	1	8	22.04	21.88	21.85		23.5	2	
3	64QAM	1	14	21.85	21.96	22.02				
3	64QAM	8	0	20.94	21.14	20.96				
3	64QAM	8	4	21.09	20.96	21.11		22.5	3	
3	64QAM	8	7	21.12	21.08	20.96				
3	64QAM	15	0	20.92	20.99	21.10				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.07	24.19	24.06				
1.4	QPSK	1	3	24.01	24.08	23.81		25.5	0	
1.4	QPSK	1	5	23.95	24.02	23.99				
1.4	QPSK	3	0	24.12	24.20	24.05				
1.4	QPSK	3	1	24.06	24.01	23.83				
1.4	QPSK	3	3	23.97	24.00	23.99				
1.4	QPSK	6	0	22.86	22.95	22.82		24.5	1	
1.4	16QAM	1	0	22.83	22.98	22.86				
1.4	16QAM	1	3	22.98	23.04	22.77				
1.4	16QAM	1	5	22.69	22.81	22.83		24.5	1	
1.4	16QAM	3	0	23.08	22.95	22.98				
1.4	16QAM	3	1	23.17	22.88	23.04				
1.4	16QAM	3	3	23.06	23.04	23.11				
1.4	16QAM	6	0	21.95	21.99	22.02		23.5	2	
1.4	64QAM	1	0	21.82	22.01	21.75				
1.4	64QAM	1	3	22.03	21.88	21.85				
1.4	64QAM	1	5	22.04	21.88	22.12		23.5	2	
1.4	64QAM	3	0	21.74	21.92	21.95				
1.4	64QAM	3	1	22.04	21.96	21.82				
1.4	64QAM	3	3	21.86	21.91	22.11				
1.4	64QAM	6	0	20.91	21.15	20.93		22.5	3	

Band 4 DSI4										
BW (



Band 13 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.24	24.24	24.14				
10	QPSK	1	25	24.05	24.05	24.15	25.5	0		
10	QPSK	1	49	24.23	24.23	24.13				
10	QPSK	25	0	23.17	23.17	23.16	24.5	1		
10	QPSK	25	12	22.96	22.96	22.98				
10	QPSK	25	25	22.99	22.99	22.97				
10	QPSK	50	0	23.06	23.06	23.01				
10	16QAM	1	0	23.18	23.18	23.15	24.5	1		
10	16QAM	1	25	23.07	23.07	23.13				
10	16QAM	1	49	23.04	23.04	23.14				
10	16QAM	25	0	22.06	22.06	22.21	23.5	2		
10	16QAM	25	12	22.07	22.07	22.12				
10	16QAM	25	25	22.18	22.18	22.12				
10	16QAM	50	0	22.11	22.11	22.18				
10	64QAM	1	0	22.34	22.34	22.06	23.5	2		
10	64QAM	1	25	22.45	22.45	22.10				
10	64QAM	1	49	22.43	22.43	22.07				
10	64QAM	25	0	21.32	21.32	21.11	22.5	3		
10	64QAM	25	12	21.23	21.23	21.12				
10	64QAM	25	25	21.43	21.43	21.16				
10	64QAM	50	0	21.28	21.28	21.13				
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.05	24.10	24.14				
5	QPSK	1	12	23.89	24.01	23.96	25.5	0		
5	QPSK	1	24	24.06	24.11	24.11				
5	QPSK	12	0	23.14	22.98	22.98	24.5	1		
5	QPSK	12	7	22.87	22.86	22.85				
5	QPSK	12	13	22.85	22.92	22.88				
5	QPSK	25	0	22.99	23.00	22.96	24.5	1		
5	16QAM	1	0	23.04	23.04	22.99	24.5	1		
5	16QAM	1	12	22.93	23.03	22.85				
5	16QAM	1	24	22.83	22.84	22.99				
5	16QAM	12	0	21.99	21.91	21.85	23.5	2		
5	16QAM	12	7	21.97	21.97	21.89				
5	16QAM	12	13	22.02	21.99	22.07				
5	16QAM	25	0	21.96	22.02	21.92	23.5	2		
5	64QAM	1	0	22.16	22.24	22.15	23.5	2		
5	64QAM	1	12	22.30	22.40	22.23				
5	64QAM	1	24	22.38	22.29	22.23				
5	64QAM	12	0	21.16	21.11	21.12	22.5	3		
5	64QAM	12	7	21.10	21.17	21.03				
5	64QAM	12	13	21.25	21.21	21.23				
5	64QAM	25	0	21.08	21.19	21.08				

Band 26 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765					
Frequency (MHz)				821.5					
15	QPSK	1	0	24.06	24.28	24.12			
15	QPSK	1	37	24.03	24.19	24.04	25.5	0	
15	QPSK	1	74	24.09	24.07	24.17			
15	QPSK	36	0	23.06	23.18	23.16	24.5	1	
15	QPSK	36	20	23.14	23.13	23.08			
15	QPSK	36	39	23.08	22.98	23.06			
15	QPSK	75	0	23.15	23.16	23.01	24.5	1	
15	16QAM	1	0	23.19	23.33	23.15	24.5	1	
15	16QAM	1	37	23.13	23.28	23.31			
15	16QAM	1	74	23.23	23.27	23.14			
15	16QAM	36	0	22.08	22.24	22.21	23.5	2	
15	16QAM	36	20	22.07	22.33	22.02			
15	16QAM	36	39	22.05	22.20	22.12			
15	16QAM	75	0	22.19	22.37	22.18	23.5	2	
15	64QAM	1	0	22.05	22.12	22.06	23.5	2	
15	64QAM	1	37	22.13	22.08	22.10			
15	64QAM	1	74	22.12	22.10	22.07			
15	64QAM	36	0	21.13	21.16	20.85	22.5	3	
15	64QAM	36	20	21.17	21.27	21.12			
15	64QAM	36	39	21.12	21.19	21.16			
15	64QAM	75	0	21.12	21.20	21.13			
Channel				26740					
Frequency (MHz)				819					
10	QPSK	1	0	24.02	24.12	23.96			
10	QPSK	1	25	23.99	24.11	23.94	25.5	0	
10	QPSK	1	49	23.88	23.92	23.99			
10	QPSK	25	0	23.03	22.97	22.99	24.5	1	
10	QPSK	25	12	22.98	22.94	23.03			
10	QPSK	25	25	22.90	22.81	22.93			
10	QPSK	50	0	23.09	23.14	22.98	24.5	1	
10	16QAM	1	0	22.00	22.04	21.99	24.5	1	
10	16QAM	1	25	22.96	23.02	22.92			
10	16QAM	1	49	23.14	23.21	22.96			
10	16QAM	25	0	21.92	22.13	22.13	23.5	2	
10	16QAM	25	12	22.04	22.18	21.96			
10	16QAM	25	25	21.99	22.12	21.99			
10	16QAM	50	0	22.08	22.32	22.00	23.5	2	
10	64QAM	1	0	21.01	21.01	21.01	23.5	2	
10	64QAM	1	25	22.10	21.90	22.04			
10	64QAM	1	49	22.05	21.93	22.02			
10	64QAM	25	0	20.93	20.98	20.75	22.5	3	
10	64QAM	25	12	20.97	21.14	20.95			
10	64QAM	25	25	21.03	21.03	21.09			
10	64QAM	50	0	20.95	21.01	21.01			
Channel				26715					
Frequency (MHz)				816.5					
5	QPSK	1	0	23.91	24.23	23.90			
5	QPSK	1	12	23.83	24.01	24.00	25.5	0	
5	QPSK	1	24	23.89	24.02	24.11			
5	QPSK	12	0	22.90	23.10	23.10	24.5	1	
5	QPSK	12	7	23.04	22.97	23.04			
5	QPSK	12	13	23.02	22.78	22.96			
5	QPSK	25	0	23.09	23.06	22.93	24.5	1	
5	16QAM	1	0	23.11	23.27	23.03	24.5	1	
5	16QAM	1	12	22.96	23.22	23.14			
5	16QAM	1	24	23.20	23.13	22.98			
5	16QAM	12	0	21.92	22.16	22.14	23.5	2	
5	16QAM	12	7	22.05	22.30	21.93			
5	16QAM	12	13	21.89	22.11	22.06			
5	16QAM	25	0	22.18	22.27	22.09	23.5	2	
5	64QAM	1	0	22.01	21.97	21.89	23.5	2	
5	64QAM	1	12	22.00	21.96	21.90			
5	64QAM	1	24	22.05	22.03	21.87			
5	64QAM	12	0	21.08	21.01	20.75	22.5	3	
5	64QAM	12	7	21.12	21.11	21.10			
5	64QAM	12	13	20.92	21.07	21.12			
5	64QAM	25	0	21.06	21.07	21.08			
Channel				26705					
Frequency (MHz)				815.5					
3	QPSK	1	0	23.84	24.12	24.00			
3	QPSK	1	8	23.82	24.10	24.00	25.5	0	
3	QPSK	1	14	24.07	23.92	24.05			
3	QPSK	8	0	23.02	23.04	23.13	24.5	1	
3	QPSK	8	4	22.93	23.06	22.87			
3	QPSK	8	7	23.01	22.87	23.03			
3	QPSK	15	0	23.04	23.11	22.86	24.5	1	
3	16QAM	1	8	23.03	23.24	23.11	24.5	1	
3	16QAM	1	14	23.15	23.13	23.11			
3	16QAM	8	0	22.01	22.08	22.13	23.5	2	
3	16QAM	8	4	21.85	22.14	21.85			
3	16QAM	8	7	21.84	22.08	21.92			
3	16QAM	15	0	22.13	22.21	22.12	22.5	3	
3	64QAM	1	8	22.02	22.02	21.91			
3	64QAM	1	8	21.94	21.94	22.03			
3	64QAM	1	14	21.98	21.91	21.89			
3	64QAM	8	0	21.02	21.00	20.78	22.5	3	
3	64QAM	8	4	21.10	21.06	21.00			
3	64QAM	8	7	20.92	20.98	21.08			
3	64QAM	15	0	21.06	21.04	21.07			
Channel				26697					
Frequency (MHz)				814.7					
1.4	QPSK	1	0	2					

Band 38 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.07	24.25	24.21			
20	QPSK	1	49	24.23	24.18	24.12	25.5	0	
20	QPSK	1	99	24.03	24.11	24.20			
20	QPSK	50	0	23.27	23.34	23.30			
20	QPSK	50	24	23.09	23.11	23.13	24.5	1	
20	QPSK	50	50	23.14	23.26	23.23			
20	QPSK	100	0	23.20	23.32	23.29			
20	16QAM	1	0	23.10	23.29	23.21	24.5	1	
20	16QAM	1	49	23.11	23.31	23.14			
20	16QAM	1	99	23.16	23.23	23.24			
20	16QAM	50	0	22.48	22.48	22.28			
20	16QAM	50	24	22.43	22.52	22.39	23.5	2	
20	16QAM	50	50	22.33	22.43	22.41			
20	16QAM	100	0	22.44	22.42	22.21			
20	64QAM	1	0	22.14	22.36	22.26			
20	64QAM	1	49	22.29	22.31	22.33	23.5	2	
20	64QAM	1	99	22.21	22.30	22.21			
20	64QAM	50	0	21.11	21.30	21.22			
20	64QAM	50	24	21.28	21.22	21.30	22.5	3	
20	64QAM	50	50	21.27	21.31	21.30			
20	64QAM	100	0	21.44	21.45	21.24			
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.5	2695	2612.5			
15	QPSK	1	0	23.93	24.18	24.07	25.5	0	
15	QPSK	1	37	24.11	24.01	23.95			
15	QPSK	1	74	23.88	23.93	24.12			
15	QPSK	36	0	23.21	23.12	23.19	24.5	1	
15	QPSK	36	20	23.01	22.97	23.03			
15	QPSK	36	39	22.95	23.07	23.09			
15	QPSK	75	0	23.17	23.30	23.24			
15	16QAM	1	0	22.97	23.11	23.18	24.5	1	
15	16QAM	1	37	22.92	23.22	23.11			
15	16QAM	1	74	23.12	23.17	23.06			
15	16QAM	36	0	22.31	22.45	22.20	23.5	2	
15	16QAM	36	20	22.27	22.35	22.23			
15	16QAM	36	39	22.18	22.40	22.38			
15	16QAM	75	0	22.40	22.24	22.09			
15	64QAM	1	0	22.06	22.33	22.08	23.5	2	
15	64QAM	1	37	22.39	22.19	22.22			
15	64QAM	1	74	22.13	22.10	21.99			
15	64QAM	36	0	20.93	21.22	21.04	22.5	3	
15	64QAM	36	20	21.21	21.10	21.19			
15	64QAM	36	39	21.17	21.19	21.04			
15	64QAM	75	0	21.35	21.38	21.08			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675	2695	2615			
10	QPSK	1	0	24.01	24.22	24.13	25.5	0	
10	QPSK	1	25	24.12	24.07	23.94			
10	QPSK	1	49	23.90	24.00	23.99			
10	QPSK	25	0	23.11	23.19	23.20	24.5	1	
10	QPSK	25	12	23.04	22.95	23.09			
10	QPSK	25	25	23.08	23.15	23.01			
10	QPSK	50	0	22.99	23.29	23.15			
10	QPSK	1	0	23.04	23.22	23.16	24.5	1	
10	16QAM	1	25	23.08	23.23	23.06			
10	16QAM	1	49	22.96	23.20	23.04			
10	16QAM	25	0	22.42	22.30	22.24	23.5	2	
10	16QAM	25	12	22.27	22.41	22.20			
10	16QAM	25	25	22.16	22.26	22.19			
10	16QAM	50	0	22.37	22.39	22.07			
10	64QAM	1	0	22.10	22.28	22.06	23.5	2	
10	64QAM	1	25	22.08	22.28	22.28			
10	64QAM	1	49	22.18	22.19	22.03			
10	64QAM	25	0	21.06	21.24	21.10	22.5	3	
10	64QAM	25	12	21.25	21.02	21.12			
10	64QAM	25	25	21.10	21.11	21.06			
10	64QAM	50	0	21.24	21.33	21.11			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2672.5	2695	2617.5			
5	QPSK	1	0	23.90	24.18	24.17	25.5	0	
5	QPSK	1	12	24.10	24.01	23.97			
5	QPSK	1	24	23.94	24.03	24.07			
5	QPSK	12	0	23.15	23.31	23.26	24.5	1	
5	QPSK	12	7	23.00	22.89	22.96			
5	QPSK	12	13	23.07	23.15	23.13			
5	QPSK	25	0	22.88	23.21	23.28	24.5	1	
5	16QAM	1	0	22.93	23.22	23.04			
5	16QAM	1	12	22.92	23.10	22.97	24.5	1	
5	16QAM	1	24	23.00	23.09	23.21			
5	16QAM	12	0	22.45	22.45	22.11			
5	16QAM	12	7	22.32	22.44	22.29	23.5	2	
5	16QAM	12	13	22.21	22.30	22.34			
5	16QAM	25	0	22.33	22.32	22.00			
5	64QAM	1	0	22.01	22.32	22.23	23.5	2	
5	64QAM	1	12	22.17	22.21	22.23			
5	64QAM	1	24	22.10	22.23	22.11			
5	64QAM	12	0	20.93	21.28	21.19	22.5	3	
5	64QAM	12	7	21.20	21.15	21.12			
5	64QAM	12	13	21.20	21.13	21.05			
5	64QAM	25	0	21.42	21.29	21.17			

Band 41 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.92	24.30	24.20	23.96	24.02	25.5	0
20	QPSK	1	49	24.16	24.26	24.11	24.01	23.96		
20	QPSK	1	99	24.09	24.16	24.18	23.96	24.09		
20	QPSK	50	0	23.26	23.35	23.23	23.22	23.23	24.5	1
20	QPSK	50	24	23.23	23.19	23.26	23.32	23.11		
20	QPSK	50	50	23.19	23.26	23.30	23.13	23.30		
20	QPSK	100	0	23.19	23.26	23.11	23.13	23.17		
20	16QAM	1	0	23.35	23.38	23.23	23.39	23.40	24.5	1
20	16QAM	1	49	23.29	23.28	23.23	23.36	23.33		
20	16QAM	1	99	23.35	23.41	23.17	23.36	23.36		
20	16QAM	50	0	22.15	22.22	22.06	22.01	22.09	23.5	2
20	16QAM	50	24	22.10	22.21	22.04	22.10	22.06		
20	16QAM	50	50	22.23	22.27	22.03	22.04	22.01		
20	16QAM	100	0	22.26	22.25	22.11	22.22	22.06		
20	64QAM	1	0	22.33	22.32	22.15	22.11	22.33	23.5	2
20	64QAM	1	49	22.12	22.37	22.30	22.21	22.16		
20	64QAM	1	99	22.33	22.44	22.21	22.25	22.23		
20	64QAM	50	0	21.43	21.48	21.40	21.39	21.41	22.5	3
20	64QAM	50	24	21.35	21.47	21.29	21.28	21.49		
20	64QAM	50	50	21.46	21.59	21.40	21.31	21.27		
20	64QAM	100	0	21.25	21.35	21.34	21.14	21.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.90	24.13	24.07	23.82	23.92	26	0
15	QPSK	1	37	23.95	24.20	23.90	23.93	23.91		
15	QPSK	1	74	24.02	24.03	23.98	23.75	24.03		
15	QPSK	36	0	23.09	23.32	23.20	23.06	23.16	24.5	1
15	QPSK	36	20	23.04	23.17	23.12	23.28	22.91		
15	QPSK	36	39	22.99	23.19	23.13	23.03	23.11		
15	QPSK	75	0	23.15	23.17	22.98	22.95	22.99		
15	16QAM	1	0	23.13	23.34	23.06	23.17	23.37	24.5	1
15	16QAM	1	37	23.15	23.21	23.09	23.08	23.14		
15	16QAM	1	74	23.22	23.34	23.13	23.22	23.15		
15	16QAM	36	0	21.97	22.16	21.85	21.94	21.98	23.5	2
15	16QAM									

Reduced Power Mode for DSIS

GSM850 Ant1 DSIS								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	163	187	251		163	187	251	
Frequency (MHz)	854.2	836.4	848.8	854.2	836.4	848.8		
GSM 1 Tx slot	28.05	27.88	27.84	28.00	19.05	18.88	18.84	20.00
GPRS 1 Tx slot	28.10	27.91	27.89	28.00	19.10	18.91	18.89	20.00
GPRS 2 Tx slots	25.15	25.19	25.18	28.00	19.15	19.19	19.18	20.00
GPRS 3 Tx slots	22.40	22.62	22.54	24.00	18.14	18.36	18.28	19.74
GPRS 4 Tx slots	21.49	21.52	21.56	23.00	18.49	18.52	18.56	20.00
EDGE 1 Tx slot	21.92	22.04	21.92	23.50	12.92	13.04	12.92	14.50
EDGE 2 Tx slots	19.47	19.85	19.59	23.50	13.47	13.85	13.59	14.50
EDGE 3 Tx slots	17.99	17.79	17.88	18.50	13.73	13.53	13.62	14.24
EDGE 4 Tx slots	16.19	16.14	16.15	17.50	13.19	13.14	13.15	14.50

GSM1900 Ant1 DSIS								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	1512	861	810		1512	861	810	
Frequency (MHz)	1852.2	1850	1853.2	1852.2	1851	1851.8		
GSM 1 Tx slot	28.01	28.29	29.22	29.60	19.01	19.29	19.22	20.50
GPRS 1 Tx slot	28.05	28.31	28.29	28.50	19.05	19.31	19.29	20.50
GPRS 2 Tx slots	25.55	25.97	25.81	27.00	19.55	19.97	19.81	21.00
GPRS 3 Tx slots	23.87	23.88	23.52	24.50	18.41	19.62	19.66	20.24
GPRS 4 Tx slots	22.37	22.81	22.66	23.00	18.37	19.81	19.66	20.00
EDGE 1 Tx slot	24.52	24.33	24.64	25.50	15.52	15.33	15.64	16.50
EDGE 2 Tx slots	21.54	21.21	21.59	22.00	15.54	15.21	15.59	16.00
EDGE 3 Tx slots	18.46	18.12	18.48	20.00	15.20	14.86	15.23	16.74
EDGE 4 Tx slots	18.58	18.41	18.45	19.00	15.66	15.41	15.45	16.00

Band	WCDMA # Ant1 DSIS				WCDMA IV Ant1 DSIS			WCDMA V Ant1 Default				
	9000	9400	9538	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)
TX Channel	9602	9600	9598		1527	1603	1738		4329	4407	4486	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1752.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.17	21.32	21.25	22.50	21.24	21.32	21.20	22.50	23.55	23.68	23.81	25.00
3GPP Rel 99 RMC 12.2Kbps	21.24	21.38	21.28	22.50	21.42	21.43	21.36	22.50	23.56	23.65	23.65	26.00
3GPP Rel 6 HSDPA Subtest-1	20.16	20.29	20.21	21.50	20.25	20.40	20.35	21.50	22.68	22.75	22.71	24.00
3GPP Rel 6 HSDPA Subtest-2	20.19	20.22	20.14	21.50	20.27	20.30	20.24	21.50	22.63	22.66	22.66	24.00
3GPP Rel 6 HSDPA Subtest-3	19.67	19.77	19.72	21.00	19.77	19.98	19.81	21.00	22.15	22.19	22.19	23.50
3GPP Rel 6 HSDPA Subtest-4	19.58	19.76	19.65	21.00	19.72	19.89	19.75	21.00	22.12	22.21	22.11	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	20.08	20.16	20.20	21.50	20.25	20.28	20.26	21.50	22.63	22.68	22.66	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	20.09	20.14	20.13	21.50	20.20	20.25	20.26	21.50	22.54	22.58	22.53	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	19.58	19.77	19.59	21.00	19.73	19.79	19.75	21.00	22.02	22.19	22.03	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	19.57	19.68	19.58	21.00	19.72	19.73	19.74	21.00	22.00	22.14	22.04	23.50
3GPP Rel 6 HSUPA Subtest-1	20.09	20.10	20.12	21.50	20.17	20.30	20.18	21.50	22.65	22.62	22.60	24.00
3GPP Rel 6 HSUPA Subtest-2	18.19	18.27	18.28	19.50	18.33	18.42	18.25	19.50	20.69	20.77	20.81	22.00
3GPP Rel 6 HSUPA Subtest-3	19.32	19.39	19.29	20.50	19.34	19.43	19.40	20.50	21.72	21.73	21.75	23.00
3GPP Rel 6 HSUPA Subtest-4	18.04	18.19	18.10	19.50	18.14	18.30	18.27	19.50	20.58	20.69	20.60	22.00
3GPP Rel 6 HSUPA Subtest-5	20.05	20.11	20.03	21.50	20.19	20.28	20.17	21.50	22.59	22.63	22.64	24.00
3GPP Rel 7 HSPA+ (MCGM) Subtest-1	17.66	17.80	17.69	18.00	17.62	18.01	17.86	19.00	20.16	20.36	20.20	21.50



Band 2 Ant1 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.50	21.73	21.49				
20	QPSK	1	49	21.50	21.63	21.45	23	0		
20	QPSK	1	99	21.50	21.66	21.42	23	0		
20	QPSK	50	0	21.55	21.72	21.50				
20	QPSK	50	24	21.51	21.59	21.40	23	0		
20	QPSK	50	50	21.52	21.62	21.46	23	0		
20	QPSK	100	0	21.54	21.70	21.46				
20	16QAM	1	0	21.51	21.68	21.45				
20	16QAM	1	49	21.59	21.66	21.43	23	0		
20	16QAM	1	99	21.51	21.72	21.43	23	0		
20	16QAM	50	0	21.54	21.65	21.50				
20	16QAM	50	24	21.55	21.62	21.46	23	0		
20	16QAM	100	0	21.57	21.67	21.46				
20	64QAM	1	0	21.50	21.65	21.45				
20	64QAM	1	49	21.58	21.65	21.44	23	0		
20	64QAM	1	99	21.53	21.62	21.42	23	0		
20	64QAM	50	0	20.97	21.11	20.98				
20	64QAM	50	24	20.93	21.00	20.91	22.5	0.5		
20	64QAM	50	50	20.90	21.03	20.89	22.5	0.5		
20	64QAM	100	0	20.80	20.90	20.84				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.46	21.63	21.38				
15	QPSK	1	37	21.34	21.52	21.30	23	0		
15	QPSK	1	74	21.50	21.54	21.34	23	0		
15	QPSK	36	0	21.50	21.60	21.43				
15	QPSK	36	20	21.47	21.53	21.31	23	0		
15	QPSK	36	39	21.42	21.56	21.33	23	0		
15	QPSK	75	0	21.46	21.60	21.31				
15	16QAM	1	0	21.44	21.54	21.34				
15	16QAM	1	37	21.47	21.53	21.32	23	0		
15	16QAM	1	74	21.38	21.66	21.30	23	0		
15	16QAM	36	0	21.47	21.54	21.39				
15	16QAM	36	20	21.39	21.56	21.26	23	0		
15	16QAM	36	39	21.47	21.53	21.31	23	0		
15	16QAM	75	0	21.41	21.53	21.36				
15	16QAM	1	0	21.41	21.58	21.32				
15	64QAM	1	37	21.52	21.60	21.32	23	0		
15	64QAM	1	74	21.47	21.53	21.36	23	0		
15	64QAM	36	0	20.86	21.02	20.85				
15	64QAM	36	20	20.77	20.86	20.83	22.5	0.5		
15	64QAM	36	39	20.80	20.90	20.76	22.5	0.5		
15	64QAM	75	0	20.76	20.76	20.71				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.51	21.67	21.44				
10	QPSK	1	25	21.34	21.49	21.33	23	0		
10	QPSK	1	49	21.52	21.52	21.30	23	0		
10	QPSK	25	0	21.41	21.60	21.40				
10	QPSK	25	12	21.47	21.57	21.36	23	0		
10	QPSK	25	25	21.38	21.55	21.33	23	0		
10	QPSK	50	0	21.45	21.58	21.35				
10	16QAM	1	0	21.40	21.55	21.29				
10	16QAM	1	25	21.46	21.54	21.33	23	0		
10	16QAM	1	49	21.44	21.62	21.33	23	0		
10	16QAM	25	0	21.41	21.54	21.46				
10	16QAM	25	12	21.45	21.50	21.27	23	0		
10	16QAM	25	25	21.47	21.47	21.30	23	0		
10	16QAM	50	0	21.49	21.57	21.38				
10	64QAM	1	0	21.44	21.59	21.35				
10	64QAM	1	25	21.42	21.60	21.39	23	0		
10	64QAM	1	49	21.31	21.55	21.40	23	0		
10	64QAM	12	0	21.41	21.54	21.46				
10	64QAM	12	12	21.34	21.65	21.41	23	0		
10	64QAM	12	25	21.38	21.54	21.42	23	0		
10	64QAM	50	0	21.32	21.57	21.41				
10	64QAM	1	0	21.42	21.55	21.41				
10	64QAM	1	25	21.41	21.62	21.49	23	0		
10	64QAM	1	49	21.30	21.65	21.38	23	0		
10	64QAM	1	24	21.34	21.57	21.41	23	0		
10	64QAM	25	12	21.25	21.50	20.84	22.5	0.5		
10	64QAM	25	25	21.23	21.11	20.90	22.5	0.5		
10	64QAM	50	0	21.29	21.23	21.05				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.35	21.60	21.43				
5	QPSK	1	12	21.31	21.55	21.50	23	0		
5	QPSK	1	24	21.33	21.63	21.38	23	0		
5	QPSK	12	0	21.44	21.56	21.34				
5	QPSK	12	7	21.34	21.64	21.34	23	0		
5	QPSK	12	13	21.35	21.68	21.45	23	0		
5	QPSK	25	0	21.31	21.62	21.41				
5	16QAM	1	0	21.37	21.66	21.41				
5	16QAM	1	12	21.41	21.55	21.40	23	0		
5	16QAM	1	24	21.29	21.56	21.41	23	0		
5	16QAM	12	0	21.30	21.60	21.53				
5	16QAM	12	7	21.34	21.59	21.43	23	0		
5	16QAM	12	13	21.33	21.51	21.37	23	0		
5	16QAM	25	0	21.31	21.56	21.43				
5	16QAM	25	12	21.34	21.50	21.38	23	0		
5	64QAM	1	12	21.41	21.62	21.48	23	0		
5	64QAM	1	24	21.31	21.61	21.42	23	0		
5	64QAM	12	0	21.34	21.25	21.01	22.5	0.5		
5	64QAM	12	7	21.28	21.11	20.86	22.5	0.5		
5	64QAM	12	13	20.89	21.03	20.96	22.5	0.5		
5	64QAM	25	0	21.30	21.13	21.01				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.30	21.62	21.39				
3	QPSK	1	8	21.30	21.56	21.46	23	0		
3	QPSK	1	14	21.26	21.61	21.36	23	0		
3	QPSK	8	0	21.42	21.63	21.43				
3	QPSK	8	7	21.30	21.54	21.37	23	0		
3	QPSK	8	7	21.36	21.59	21.51	23	0		
3	QPSK	15	0	21.28	21.59	21.38				
3	16QAM	1	0	21.42	21.53	21.44				
3	16QAM	1	8	21.39	21.60	21.44	23	0		
3	16QAM	1	14	21.33	21.56	21.33	23	0		
3	16QAM	8	0	21.38	21.54	21.49				
3	16QAM	8	4	21.36	21.64	21.48	23	0		
3	16QAM	8	7	21.34	21.54	21.49	23	0		
3	16QAM	15	0	21.32	21.55	21.41				
3	64QAM	1	0	21.43	21.50	21.42				
3	64QAM	1	8	21.37	21.60	21.47	23	0		
3	64QAM	1	14	21.30	21.63	21.43	23	0		
3	64QAM	8	0	21.33	21.16	20.98				
3	64QAM	8	4	21.20	21.08	20.93	22.5	0.5		
3	64QAM	8	7	21.20	21.08	20.94	22.5	0.5		
3	64QAM	15	0	21.27	21.12	20.98				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.33	21.60	21.40				
1.4	QPSK	1	3	21.36	21.60	21.40	23	0		
1.4	QPSK	1	5	21.24	21.57	21.41	23	0		
1.4	QPSK	3	0	21.39	21.60	21.37				
1.4	QPSK	3	1	21.37	21.67	21.42				
1.4	QPSK	3	3	21.38	21.60	21.36	23	0		
1.4	QPSK	6	0	21.38	21.65	21.46				
1.4	16QAM	1	0	21.37	21.53	21.36				
1.4	16QAM	1	3	21.49	21.53	21.30	23	0		
1.4	16QAM	1	5	21.46	21.58	21.31	23	0		
1.4	16QAM	3	0	21.44	21.54	21.35				
1.4	16QAM	3	1	21.44	21.51	21.29	23	0		
1.4	16QAM	3	3	21.48	21.58	21.41	23	0		
1.4										



Band 13 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				23259						
Frequency (MHz)				782						
10	QPSK	1	0	24.34	24.13	24.13				
10	QPSK	1	25	24.31	24.13	24.13	25.5	0		
10	QPSK	1	49	24.23	24.13	24.13				
10	QPSK	25	0	23.31	23.10	23.10				
10	QPSK	25	12	23.16	23.10	23.10	24.5	1		
10	QPSK	25	25	23.27	23.10	23.10				
10	QPSK	50	0	23.32	23.10	23.10				
10	16QAM	1	0	23.31	23.10	23.10				
10	16QAM	1	25	23.18	23.10	23.10	24.5	1		
10	16QAM	1	49	23.28	23.10	23.10				
10	16QAM	25	0	22.31	22.10	22.10				
10	16QAM	25	12	22.17	22.10	22.10	23.5	2		
10	16QAM	25	25	22.26	22.10	22.10				
10	16QAM	50	0	22.36	22.10	22.10				
10	64QAM	1	0	22.23	22.10	22.10				
10	64QAM	1	25	22.10	22.10	22.10	23.5	2		
10	64QAM	1	49	22.20	22.10	22.10				
10	64QAM	25	0	21.37	21.10	21.10				
10	64QAM	25	12	21.31	21.10	21.10	22.5	3		
10	64QAM	25	25	21.26	21.10	21.10				
10	64QAM	50	0	21.29	21.10	21.10				
Channel				23205						
Frequency (MHz)				779.5						
5	QPSK	1	0	24.15	24.19	24.13				
5	QPSK	1	12	24.20	24.14	24.13	25.5	0		
5	QPSK	1	24	24.08	24.19	24.07				
5	QPSK	12	0	23.24	23.13	23.27				
5	QPSK	12	7	22.97	23.10	23.07	24.5	1		
5	QPSK	12	13	23.21	23.18	23.24				
5	QPSK	25	0	23.19	23.10	23.28				
5	16QAM	1	0	23.12	23.12	23.27				
5	16QAM	1	12	22.98	23.15	23.15	24.5	1		
5	16QAM	1	24	23.23	23.21	23.12				
5	16QAM	12	0	22.14	22.10	22.20				
5	16QAM	12	7	22.14	22.11	21.99	23.5	2		
5	16QAM	12	13	22.16	22.22	22.12				
5	16QAM	25	0	22.31	22.30	22.31				
5	64QAM	1	0	22.02	22.06	22.20				
5	64QAM	1	12	21.96	22.03	21.96	23.5	2		
5	64QAM	1	24	22.15	22.04	22.11				
5	64QAM	12	0	21.34	21.29	21.32				
5	64QAM	12	7	21.22	21.09	21.21	22.5	3		
5	64QAM	12	13	21.09	21.14	21.12				
5	64QAM	25	0	21.23	21.23	21.19				

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						
Frequency (MHz)				821.5						
15	QPSK	1	0	24.02	24.41	24.19				
15	QPSK	1	37	23.92	24.29	24.14	25.5	0		
15	QPSK	1	74	23.97	24.28	24.08				
15	QPSK	36	0	22.98	23.11	23.06				
15	QPSK	36	20	22.97	23.00	23.00	24.5	1		
15	QPSK	36	39	22.86	22.97	23.01				
15	QPSK	75	0	23.01	23.15	23.14				
15	16QAM	1	0	23.02	23.17	23.11				
15	16QAM	1	37	22.87	23.03	23.06	24.5	1		
15	16QAM	1	74	22.93	23.08	23.04				
15	16QAM	36	0	22.02	22.20	22.00				
15	16QAM	36	20	21.91	22.12	21.95	23.5	2		
15	16QAM	36	39	21.94	22.16	21.96				
15	16QAM	75	0	21.87	22.17	22.02				
15	64QAM	1	0	22.02	22.12	22.13				
15	64QAM	1	37	21.92	22.00	22.02	23.5	2		
15	64QAM	1	74	21.99	22.04	22.05				
15	64QAM	36	0	20.78	20.94	20.85				
15	64QAM	36	39	20.69	21.04	20.90	22.5	3		
15	64QAM	75	0	20.88	21.08	21.08				
Channel				26780						
Frequency (MHz)				819						
10	QPSK	1	0	23.86	24.38	23.98				
10	QPSK	1	25	23.80	24.24	23.92	25.5	0		
10	QPSK	1	49	23.89	24.10	23.92				
10	QPSK	25	0	22.89	22.98	23.00				
10	QPSK	25	12	22.67	22.85	22.82	24.5	1		
10	QPSK	25	25	22.81	22.85	22.79				
10	QPSK	50	0	22.92	23.11	23.11				
10	16QAM	1	0	23.80	24.25	23.92				
10	16QAM	1	25	22.72	22.82	22.87	24.5	1		
10	16QAM	1	49	22.89	22.93	22.94				
10	16QAM	25	0	21.83	22.15	21.96				
10	16QAM	25	12	21.70	22.10	21.91	23.5	2		
10	16QAM	25	25	21.78	22.11	21.85				
10	16QAM	50	0	21.80	22.09	21.98				
10	64QAM	1	0	21.91	22.05	21.94				
10	64QAM	1	25	21.89	21.85	21.90	23.5	2		
10	64QAM	1	49	21.78	22.02	21.93				
10	64QAM	25	0	20.75	21.04	20.82				
10	64QAM	25	12	20.68	20.92	20.80	22.5	3		
10	64QAM	25	25	20.58	20.86	20.73				
10	64QAM	50	0	20.60	20.80	20.65				
Channel				26715						
Frequency (MHz)				816.5						
5	QPSK	1	0	23.82	24.26	24.13				
5	QPSK	1	12	23.81	24.26	24.08	25.5	0		
5	QPSK	1	24	23.83	24.15	23.93				
5	QPSK	12	0	22.95	23.03	22.91				
5	QPSK	12	7	22.80	22.88	22.90	24.5	1		
5	QPSK	12	13	22.78	22.83	22.86				
5	QPSK	25	0	22.88	23.04	22.99				
5	16QAM	1	0	22.85	23.01	22.91				
5	16QAM	1	12	22.66	22.93	23.00	24.5	1		
5	16QAM	1	24	22.82	22.87	23.00				
5	16QAM	12	0	21.96	22.05	21.80				
5	16QAM	12	7	21.74	21.93	21.84	23.5	2		
5	16QAM	12	13	21.90	21.96	21.83				
5	16QAM	25	0	21.82	22.03	21.88				
5	64QAM	1	0	21.85	21.98	21.91				
5	64QAM	1	12	21.86	21.95	21.98	23.5	2		
5	64QAM	1	24	21.92	21.84	22.02				
5	64QAM	12	0	20.61	20.86	20.85				
5	64QAM	12	7	20.69	20.75	20.75	22.5	3		
5	64QAM	12	13	20.65	20.88	20.84				
5	64QAM	25	0	20.73	20.99	20.98				
Channel				26705						
Frequency (MHz)				815.5						
3	QPSK	1	0	23.91	24.32	24.00				
3	QPSK	1	8	23.83	24.25	24.04	25.5	0		
3	QPSK	1	14	23.88	24.17	23.91				
3	QPSK	8	0	22.77	22.99	22.85				
3	QPSK	8	4	22.78	22.87	22.80	24.5	1		
3	QPSK	8	7	22.81	22.88	22.81				
3	QPSK	15	0	22.98	23.01	23.06				
3	16QAM	1	0	23.00	23.96	23.05				
3	16QAM	1	8	22.81	22.89	22.91	24.5	1		
3	16QAM	1	14	22.78	23.05	22.92				
3	16QAM	8	0	21.90	22.02	21.96				
3	16QAM	8	4	21.79	21.91	21.83	23.5	2		
3	16QAM	8	7	21.76	22.11	21.83				
3	16QAM	15	0	21.70	21.98	21.87				
3	64QAM	1	0	21.87	22.06	22.11				
3	64QAM	1	8	21.85	21.87	21.82	23.5	2		
3	64QAM	1								

Band 38 Ant1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.34	22.53	22.37	24	0		
20	QPSK	1	49	22.45	22.50	22.41				
20	QPSK	1	99	22.35	22.45	22.44				
20	QPSK	50	0	22.33	22.50	22.37	24	0		
20	QPSK	50	24	22.36	22.47	22.34				
20	QPSK	50	50	22.34	22.44	22.45				
20	QPSK	100	0	22.30	22.46	22.40	24	0		
20	16QAM	1	0	22.27	22.48	22.36				
20	16QAM	1	49	22.30	22.41	22.44				
20	16QAM	1	99	22.34	22.45	22.36	23	1		
20	16QAM	50	0	21.54	21.66	21.56				
20	16QAM	50	24	21.56	21.46	21.45				
20	16QAM	50	50	21.53	21.54	21.53	23	1		
20	16QAM	100	0	21.46	21.66	21.55				
20	16QAM	1	0	21.67	21.67	21.71				
20	64QAM	1	49	21.52	21.68	21.62	23	1		
20	64QAM	1	99	21.32	21.46	21.56				
20	64QAM	50	0	21.10	21.20	21.15				
20	64QAM	50	24	21.01	21.09	21.09	22	2		
20	64QAM	50	50	20.99	21.12	21.08				
20	64QAM	100	0	21.07	21.19	21.10				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.33	22.45	22.30	24	0		
15	QPSK	1	37	22.36	22.37	22.34				
15	QPSK	1	74	22.23	22.23	22.35				
15	QPSK	36	0	22.35	22.43	22.35	24	0		
15	QPSK	36	20	22.30	22.37	22.21				
15	QPSK	36	39	22.26	22.31	22.38				
15	QPSK	75	0	22.22	22.33	22.36	24	0		
15	16QAM	1	0	22.14	22.37	22.37				
15	16QAM	1	37	22.13	22.42	22.35				
15	16QAM	1	74	22.22	22.23	22.27	23	1		
15	16QAM	36	0	21.43	21.55	21.43				
15	16QAM	36	20	21.43	21.35	21.42				
15	16QAM	36	39	21.44	21.51	21.35	23	1		
15	16QAM	75	0	21.32	21.55	21.45				
15	64QAM	1	0	21.46	21.62	21.57				
15	64QAM	1	37	21.37	21.58	21.41	23	1		
15	64QAM	1	74	21.33	21.43	21.42				
15	64QAM	36	0	21.03	21.10	21.01				
15	64QAM	36	20	20.96	21.00	20.94	22	2		
15	64QAM	36	39	20.91	21.00	20.99				
15	64QAM	75	0	21.03	21.14	21.00				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.34	22.41	22.24	24	0		
10	QPSK	1	25	22.24	22.39	22.32				
10	QPSK	1	49	22.19	22.26	22.42				
10	QPSK	25	0	22.37	22.32	22.29	24	0		
10	QPSK	25	12	22.25	22.43	22.26				
10	QPSK	25	25	22.37	22.34	22.40				
10	QPSK	50	0	22.13	22.29	22.31	24	0		
10	16QAM	1	0	22.28	22.37	22.32				
10	16QAM	1	25	22.20	22.44	22.29				
10	16QAM	1	49	22.27	22.34	22.32	24	0		
10	16QAM	25	0	21.51	21.55	21.50				
10	16QAM	25	12	21.44	21.36	21.34				
10	16QAM	25	25	21.35	21.51	21.34	23	1		
10	16QAM	50	0	21.34	21.55	21.54				
10	64QAM	1	0	21.42	21.61	21.58				
10	64QAM	1	25	21.51	21.49	21.47	23	1		
10	64QAM	1	49	21.26	21.46	21.47				
10	64QAM	25	0	21.03	21.09	21.08				
10	64QAM	25	12	20.95	21.03	21.01	22	2		
10	64QAM	25	25	20.92	21.04	20.96				
10	64QAM	50	0	20.94	21.04	21.00				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.32	22.46	22.49	24	0		
5	QPSK	1	12	22.36	22.48	22.44				
5	QPSK	1	24	22.28	22.43	22.43				
5	QPSK	12	0	22.28	22.43	22.39	24	0		
5	QPSK	12	7	22.28	22.50	22.32				
5	QPSK	12	13	22.38	22.44	22.38				
5	QPSK	25	0	22.27	22.46	22.51	24	0		
5	16QAM	1	0	22.24	22.44	22.35				
5	16QAM	1	12	22.30	22.42	22.34				
5	16QAM	1	24	22.27	22.39	22.45	24	0		
5	16QAM	12	0	21.35	21.54	21.58				
5	16QAM	12	7	21.37	21.41	21.37				
5	16QAM	12	13	21.45	21.38	21.44	23	1		
5	16QAM	25	0	21.38	21.54	21.55				
5	64QAM	1	0	21.54	21.56	21.57				
5	64QAM	1	12	21.37	21.47	21.47	23	1		
5	64QAM	1	24	21.18	21.39	21.50				
5	64QAM	12	0	21.02	21.10	21.08				
5	64QAM	12	7	20.88	21.04	21.02	22	2		
5	64QAM	12	13	20.92	21.07	21.02				
5	64QAM	25	0	20.97	21.04	20.94				

Band 41 Ant1 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.47	22.34	22.56	22.43	22.38	24	0		
20	QPSK	1	49	22.32	22.34	22.48	22.45	22.38				
20	QPSK	1	99	22.45	22.30	22.48	22.45	22.40				
20	QPSK	50	0	22.32	22.31	22.53	22.42	22.35	24	0		
20	QPSK	50	24	22.34	22.29	22.42	22.41	22.39				
20	QPSK	50	50	22.44	22.31	22.52	22.45	22.37				
20	QPSK	100	0	22.36	22.33	22.49	22.43	22.42	24	0		
20	16QAM	1	0	22.41	22.29	22.50	22.40	22.43				
20	16QAM	1	49	22.42	22.32	22.42	22.41	22.40				
20	16QAM	1	99	22.42	22.31	22.53	22.38	22.40	23.5	0.5		
20	16QAM	50	0	22.13	22.14	22.17	22.10	22.11				
20	16QAM	50	24	22.10	22.06	22.05	21.95	22.05				
20	16QAM	50	50	22.03	22.08	22.08	22.04	21.97	23.5	0.5		
20	16QAM	100	0	22.17	22.23	22.29	22.24	22.18				
20	64QAM	1	0	22.30	22.24	22.38	22.29	22.30				
20	64QAM	1	49	22.23	22.17	22.25	22.21	22.24	23.5	0.5		
20	64QAM	1	99	22.18	22.16	22.26	22.17	22.24				
20	64QAM	50	0	21.10	21.19	21.28	21.18	21.22				
20	64QAM	50	24	21.02	21.09	21.13	21.15	21.09	22.5	1.5		
20	64QAM	50	50	21.07	21.05	21.19	21.03	21.14				
20	64QAM	100	0	21.21	21.21	21.30	21.18	21.18				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	22.29	22.27	22.47	22.34	22.30	24	0		
15	QPSK	1	37	22.29	22.30	22.43	22.37	22.29				
15	QPSK	1	74	22.41	22.26	22.42	22.36	22.34				
15	QPSK	36	0	22.24	22.22	22.49	22.38	22.26	24	0		
15	QPSK	36	20	22.25	22.24	22.34	22.36	22.32				
15	QPSK	36	39	22.37	22.25	22.48	22.39	22.29				
15	QPSK	75	0	22.31	22.27	22.40	22.35	22.38	24	0		
15	16QAM	1	0	22.33	22.24	22.46	22.37	22.38				
15	16QAM	1	37	22.34	22.23	22.37	22.37	22.33				
15	16QAM	1	74	22.38	22.24	22.47	22.30	22.35	23.5	0.5		
15	16QAM	36	0	22.10	22.06	22.09	22.05	22.08				
15	16QAM	36	20	22.06	22.00	21.96	21.91	21.97				
15	16QAM	36										

GSM850 An4 DSS16									
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)	124.2	134.4	141.8	124.2	134.4	141.8	124.2	134.4	141.8
GSM 1 Tx slot	29.00	29.18	29.28	30.00	20.00	20.18	20.28	21.00	
GPRS 1 Tx slot	29.02	29.22	29.32	30.00	20.02	20.22	20.32	21.00	
GPRS 2 Tx slots	25.85	25.94	25.94	27.50	19.85	19.94	19.94	21.50	
GPRS 3 Tx slots	23.57	23.74	23.74	25.50	19.31	19.49	19.49	21.24	
GPRS 4 Tx slots	22.34	22.57	22.51	24.50	19.24	19.27	19.51	21.50	
EDGE 1 Tx slot	23.14	23.14	23.03	24.50	14.14	14.14	14.03	15.50	
EDGE 2 Tx slots	20.45	20.67	20.51	22.00	14.45	14.67	14.51	16.00	
EDGE 3 Tx slots	18.01	18.04	18.07	20.90	13.75	13.78	13.81	15.74	
EDGE 4 Tx slots	16.92	17.10	16.74	19.50	13.92	14.10	13.74	15.50	

GSM1900 An4 DSS16									
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860	1909.8
GSM 1 Tx slot	27.84	27.82	28.20	29.50	18.84	18.82	19.20	20.50	
GPRS 1 Tx slot	27.87	27.96	28.33	29.50	18.87	18.96	19.33	20.50	
GPRS 2 Tx slots	25.69	26.05	26.02	27.00	19.69	20.05	20.02	21.00	
GPRS 3 Tx slots	23.47	23.58	23.87	24.50	19.21	19.32	19.61	20.24	
GPRS 4 Tx slots	22.24	22.25	22.74	23.00	19.24	19.25	19.74	20.00	
EDGE 1 Tx slot	24.51	24.43	24.69	25.50	15.51	15.43	15.69	16.50	
EDGE 2 Tx slots	21.28	21.13	21.44	22.00	15.28	15.13	15.44	16.00	
EDGE 3 Tx slots	19.32	19.24	19.52	20.00	15.06	14.98	15.26	15.74	
EDGE 4 Tx slots	18.65	18.58	18.69	19.00	15.65	15.58	15.69	16.00	

Band	WCDMA II An4 DSS16			WCDMA IV An4 DSS16			WCDMA V An4 DSS16			Tune-up Limit (dBm)		
	9282	9400	9638	1312	1413	1513	4132	4182	4233			
TX Channel	9282	9500	9638	1537	1638	1738	4357	4407	4458			
Rx Channel	1850.2	1860	1909.8	1722.4	1722.9	1762.2	406.8	430.4	345.6			
Frequency (MHz)	1850.2	1860	1909.8	1722.4	1722.9	1762.2	406.8	430.4	345.6			
3GPP Rel 99 AMR 12.2Kbps	17.75	17.82	17.72	19.00	13.06	14.15	14.05	15.50	22.11	22.32	22.29	23.50
3GPP Rel 99 RMC 12.2Kbps	17.80	17.85	17.74	19.00	14.03	14.23	13.93	15.50	22.22	22.33	22.30	23.50
3GPP Rel 6 HSDPA Subtest-1	16.63	16.85	16.77	18.00	12.94	13.08	13.04	14.50	21.40	21.29	21.40	22.50
3GPP Rel 6 HSDPA Subtest-2	16.70	16.79	16.67	18.00	12.97	13.05	12.96	14.50	21.24	21.40	21.24	22.50
3GPP Rel 6 HSDPA Subtest-3	16.25	16.41	16.31	17.50	12.44	12.51	12.52	14.00	20.82	20.87	20.83	22.00
3GPP Rel 6 HSDPA Subtest-4	16.20	16.37	16.21	17.50	12.48	12.49	12.50	14.00	20.83	20.95	20.86	22.00
3GPP Rel 6 DC-HSDPA Subtest-1	16.66	16.79	16.71	18.00	12.94	12.99	12.94	14.50	21.36	21.43	21.34	22.50
3GPP Rel 6 DC-HSDPA Subtest-2	16.58	16.65	16.69	18.00	12.84	12.95	12.96	14.50	21.25	21.45	21.22	22.50
3GPP Rel 6 DC-HSDPA Subtest-3	16.08	16.36	16.27	17.50	12.45	12.56	12.44	14.00	20.71	20.92	20.80	22.00
3GPP Rel 6 DC-HSDPA Subtest-4	16.03	16.16	16.11	17.50	12.35	12.47	12.39	14.00	20.65	20.77	20.76	22.00
3GPP Rel 6 HSUPA Subtest-1	16.60	16.88	16.64	18.00	12.63	12.91	12.84	14.50	21.16	21.33	21.34	22.50
3GPP Rel 6 HSUPA Subtest-2	14.69	14.85	14.80	16.00	10.89	11.11	11.02	12.50	19.34	19.53	19.33	20.50
3GPP Rel 6 HSUPA Subtest-3	15.84	15.98	15.84	17.00	12.04	12.13	11.98	13.50	20.44	20.57	20.49	21.50
3GPP Rel 6 HSUPA Subtest-4	14.65	14.76	14.65	16.00	10.89	11.09	10.80	12.50	19.22	19.28	19.34	20.50
3GPP Rel 6 HSUPA Subtest-5	16.63	16.71	16.66	18.00	12.82	13.02	12.84	14.50	21.38	21.36	21.27	22.50
3GPP Rel 7 HSPA+ (MCSAM) Subtest-1	14.25	14.33	14.25	15.50	10.66	10.65	10.52	12.00	18.93	18.95	18.86	20.00



Band 2 Ant4 DSI5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.05	18.16	18.15				
20	QPSK	1	49	18.03	18.14	17.89	19.5	0		
20	QPSK	1	99	17.92	18.15	18.14				
20	QPSK	50	0	18.04	18.12	18.08				
20	QPSK	50	24	18.09	18.11	17.90	19.5	0		
20	QPSK	50	74	18.05	18.11	18.10				
20	QPSK	100	0	18.08	18.09	18.08				
20	16QAM	1	0	18.02	18.08	17.98				
20	16QAM	1	49	17.92	18.12	18.04	19.5	0		
20	16QAM	1	99	18.07	18.14	18.12				
20	16QAM	50	0	18.14	18.06	17.94				
20	16QAM	50	24	17.93	18.11	18.06	19.5	0		
20	16QAM	50	74	18.05	18.14	18.12				
20	16QAM	100	0	18.13	18.10	17.93				
20	64QAM	1	0	17.92	18.15	18.12				
20	64QAM	1	49	18.01	18.13	18.09	19.5	0		
20	64QAM	1	99	18.08	18.09	17.92				
20	64QAM	50	0	17.91	18.12	18.04				
20	64QAM	50	24	18.09	18.04	18.08	19.5	0		
20	64QAM	50	74	18.08	18.05	17.96				
20	64QAM	100	0	17.94	18.15	18.04				
Channel										
Frequency (MHz)										
15	QPSK	1	0	17.85	18.03	18.07				
15	QPSK	1	37	17.97	18.02	17.80	19.5	0		
15	QPSK	1	74	17.76	18.08	18.02				
15	QPSK	36	0	17.98	18.06	17.98				
15	QPSK	36	20	18.04	17.97	17.84	19.5	0		
15	QPSK	36	39	17.81	17.96	17.96				
15	QPSK	75	0	17.84	17.96	17.93				
15	16QAM	1	0	17.87	18.02	17.96				
15	16QAM	1	37	17.82	18.02	17.82	19.5	0		
15	16QAM	1	74	18.01	18.00	18.10				
15	16QAM	36	0	18.00	17.95	17.85				
15	16QAM	36	20	17.85	18.06	18.00	19.5	0		
15	16QAM	36	39	17.83	18.02	18.01				
15	16QAM	75	0	18.06	17.97	17.95				
15	16QAM	75	0	17.82	18.11	18.06				
15	64QAM	1	37	17.96	18.03	17.96	19.5	0		
15	64QAM	1	74	17.96	18.03	17.83				
15	64QAM	36	0	17.82	18.08	17.88				
15	64QAM	36	20	17.97	17.88	18.04	19.5	0		
15	64QAM	36	39	17.87	18.09	17.98				
15	64QAM	75	0	17.85	18.03	17.95				
Channel										
Frequency (MHz)										
10	QPSK	1	0	17.93	18.09	18.08				
10	QPSK	1	25	17.92	18.01	17.74	19.5	0		
10	QPSK	1	49	17.85	18.07	18.00				
10	QPSK	25	0	17.88	18.06	18.00				
10	QPSK	25	12	18.04	17.95	17.82	19.5	0		
10	QPSK	25	25	17.86	18.07	17.92				
10	QPSK	50	0	17.99	18.00	18.01				
10	16QAM	1	0	17.88	18.02	17.88				
10	16QAM	1	25	17.86	18.04	18.00	19.5	0		
10	16QAM	1	49	18.02	18.04	18.10				
10	16QAM	25	0	18.07	17.95	17.90				
10	16QAM	25	12	17.77	17.96	17.95	19.5	0		
10	16QAM	25	25	17.95	18.06	18.03				
10	16QAM	50	0	18.06	18.01	17.79				
10	64QAM	1	0	17.83	18.04	17.97				
10	64QAM	1	25	17.86	17.97	17.97	19.5	0		
10	64QAM	1	49	18.01	17.99	17.86				
10	64QAM	25	0	17.87	18.03	17.86				
10	64QAM	25	12	17.88	18.12	18.02				
10	64QAM	25	25	17.99	17.95	17.91				
10	64QAM	50	0	17.81	18.00	17.93				
Channel										
Frequency (MHz)										
5	QPSK	1	0	17.83	18.00	18.05				
5	QPSK	1	12	17.84	18.01	17.76	19.5	0		
5	QPSK	1	24	17.78	18.05	18.06				
5	QPSK	12	0	17.99	17.99	18.02				
5	QPSK	12	7	18.04	18.06	17.81	19.5	0		
5	QPSK	12	13	17.92	17.95	17.83				
5	QPSK	25	0	18.01	18.03	18.04				
5	16QAM	1	0	17.92	18.04	17.98				
5	16QAM	1	12	17.87	18.07	17.90	19.5	0		
5	16QAM	1	24	17.95	18.07	18.07				
5	16QAM	12	0	18.05	18.01	17.87				
5	16QAM	12	7	17.87	18.05	17.97	19.5	0		
5	16QAM	12	13	17.94	18.04	18.03				
5	16QAM	25	0	18.08	17.99	17.82				
5	64QAM	1	0	17.78	18.10	18.01				
5	64QAM	1	12	17.90	18.04	18.05	19.5	0		
5	64QAM	1	24	17.93	18.04	17.80				
5	64QAM	12	0	17.88	17.98	17.96				
5	64QAM	12	7	18.02	18.11	17.93	19.5	0		
5	64QAM	12	13	18.02	17.94	17.90				
5	64QAM	25	0	17.85	18.07	17.93				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.92	18.08	18.03				
3	QPSK	1	8	17.85	18.07	17.76	19.5	0		
3	QPSK	1	14	17.77	18.06	18.01				
3	QPSK	8	0	17.83	17.97	17.99				
3	QPSK	8	4	17.99	18.02	17.78	19.5	0		
3	QPSK	8	7	17.91	17.96	17.85				
3	QPSK	15	0	17.99	18.03	17.97				
3	16QAM	1	0	17.83	18.00	17.83				
3	16QAM	1	8	17.86	18.04	17.96	19.5	0		
3	16QAM	1	14	17.84	18.02	18.03				
3	16QAM	8	0	18.10	18.00	17.80				
3	16QAM	8	4	17.84	18.02	17.95	19.5	0		
3	16QAM	8	7	17.89	18.07	18.04				
3	16QAM	15	0	18.04	18.01	17.88				
3	64QAM	1	0	17.83	18.05	18.01				
3	64QAM	1	8	17.85	17.97	17.98	19.5	0		
3	64QAM	1	14	18.00	18.01	17.80				
3	64QAM	8	0	17.77	18.05	17.91				
3	64QAM	8	4	18.00	18.08	17.98	19.5	0		
3	64QAM	8	7	17.93	17.89	17.82				
3	64QAM	15	0	17.83	18.09	17.91				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	17.83	18.06	18.10				
1.4	QPSK	1	3	17.87	18.04	17.78	19.5	0		
1.4	QPSK	1	5	17.85	18.08	18.07				
1.4	QPSK	3	0	17.86	18.04	17.93				
1.4	QPSK	3	1	17.84	18.00	17.82				
1.4	QPSK	3	3	17.81	18.05	17.99	19.5	0		
1.4	QPSK	6	0	17.85	17.98	17.93				
1.4	16QAM	1	0	17.80	18.01	17.96				
1.4	16QAM	1	3	17.83	18.02	17.85	19.5	0		
1.4	16QAM	1	5	17.96	18.06	18.10				
1.4	16QAM	3	0	18.02	17.86	17.88				
1.4	16QAM	3	1	17.79	17.97	17.98	19.5	0		
1.4	16QAM	3	3	18.00	18.04	17.97				
1.4	16QAM	6	0	17.82	17.99	17.90				
1.4	64QAM	1	0	17.78	18.05	18.07				
1.4	64QAM	1	3	17.95	18.05	17.98	19.5	0		
1.4	64QAM	1	5	18.00	17.94	17.88				
1.4	64QAM	3	0	17.76	18.04	17.90				
1.4	64QAM	3	1	17.87	18.15	18.03	19.5	0		
1.4	64QAM	3	3	17.99	17.99	17.81				
1.4	64QAM	6	0	17.87	18.05	17.95	19.5	0</		



Band 13 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel 23259									
Frequency (MHz) 782									
10	QPSK	1	0	24.24	24.10	24.14			
10	QPSK	1	25	24.05	24.05	24.05	25.5	0	
10	QPSK	1	49	24.23	24.23	24.23			
10	QPSK	25	0	23.17	23.17	23.17	24.5	1	
10	QPSK	25	12	22.96	22.96	22.96			
10	QPSK	25	25	22.99	22.99	22.99			
10	QPSK	50	0	23.06	23.06	23.06			
10	16QAM	1	0	23.18	23.18	23.18	24.5	1	
10	16QAM	1	25	23.07	23.07	23.07			
10	16QAM	1	49	23.04	23.04	23.04			
10	16QAM	25	0	22.06	22.06	22.06	23.5	2	
10	16QAM	25	12	22.07	22.07	22.07			
10	16QAM	25	25	22.18	22.18	22.18			
10	16QAM	50	0	22.11	22.11	22.11			
10	64QAM	1	0	22.34	22.34	22.34	23.5	2	
10	64QAM	1	25	22.45	22.45	22.45			
10	64QAM	1	49	22.43	22.43	22.43			
10	64QAM	25	0	21.32	21.32	21.32	22.5	3	
10	64QAM	25	12	21.23	21.23	21.23			
10	64QAM	25	25	21.43	21.43	21.43			
10	64QAM	50	0	21.28	21.28	21.28			
Channel 23205									
Frequency (MHz) 782									
5	QPSK	1	0	24.05	24.10	24.14			
5	QPSK	1	12	23.89	24.01	23.96	25.5	0	
5	QPSK	1	24	24.06	24.11	24.11			
5	QPSK	12	0	23.14	22.98	22.98	24.5	1	
5	QPSK	12	7	22.87	22.86	22.85			
5	QPSK	12	13	22.85	22.92	22.88			
5	QPSK	25	0	22.99	23.00	22.99			
5	16QAM	1	0	23.04	23.04	22.99	24.5	1	
5	16QAM	1	12	22.93	23.03	22.85			
5	16QAM	1	24	22.83	22.84	22.99			
5	16QAM	12	0	21.99	21.91	21.85	23.5	2	
5	16QAM	12	7	21.97	21.97	21.89			
5	16QAM	12	13	22.02	21.99	22.07			
5	16QAM	25	0	21.96	22.02	21.92			
5	64QAM	1	0	22.16	22.24	22.15	23.5	2	
5	64QAM	1	12	22.30	22.40	22.23			
5	64QAM	1	24	22.38	22.29	22.23			
5	64QAM	12	0	21.16	21.11	21.12	22.5	3	
5	64QAM	12	7	21.10	21.17	21.03			
5	64QAM	12	13	21.25	21.21	21.23			
5	64QAM	25	0	21.08	21.19	21.08			

Band 26 Ant4 DS15									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel 26275									
Frequency (MHz) 821.85									
15	QPSK	1	0	21.81	22.11	21.93			
15	QPSK	1	37	21.83	22.05	21.88	23.5	0	
15	QPSK	1	74	21.84	22.02	21.88			
15	QPSK	36	0	21.87	22.09	21.91			
15	QPSK	36	20	21.86	22.08	21.87	23.5	0	
15	QPSK	36	39	21.88	22.03	21.93			
15	QPSK	75	0	21.82	22.09	21.91			
15	16QAM	1	0	21.88	22.05	21.93	23.5	0	
15	16QAM	1	37	21.81	22.05	21.91			
15	16QAM	1	74	21.85	22.10	21.89			
15	16QAM	36	0	21.82	22.07	21.88	23.5	0	
15	16QAM	36	20	21.81	22.04	21.90			
15	16QAM	36	39	21.85	22.01	21.88			
15	16QAM	75	0	21.87	22.07	21.93			
15	64QAM	1	0	21.77	22.00	21.92	23.5	0	
15	64QAM	1	37	21.84	22.05	21.92			
15	64QAM	1	74	21.86	22.06	21.92			
15	64QAM	36	0	21.82	22.07	21.88	22.5	1	
15	64QAM	36	20	21.37	21.47	21.32			
15	64QAM	36	39	21.32	21.39	21.36			
15	64QAM	75	0	21.32	21.40	21.33			
Channel 26740									
Frequency (MHz) 819									
10	QPSK	1	0	21.73	21.99	21.80			
10	QPSK	1	25	21.76	21.92	21.80	23.5	0	
10	QPSK	1	49	21.70	21.93	21.75			
10	QPSK	25	0	21.77	21.98	21.79			
10	QPSK	25	12	21.80	21.98	21.83	23.5	0	
10	QPSK	25	25	21.79	21.88	21.85			
10	QPSK	50	0	21.73	22.01	21.79			
10	16QAM	1	0	21.76	21.95	21.78	23.5	0	
10	16QAM	1	25	21.76	21.94	21.85			
10	16QAM	1	49	21.70	21.94	21.76			
10	16QAM	25	0	21.76	22.02	21.78			
10	16QAM	25	12	21.73	21.96	21.82	23.5	0	
10	16QAM	25	25	21.70	21.94	21.81			
10	16QAM	50	0	21.78	21.96	21.83			
10	64QAM	1	0	21.75	21.91	21.88	23.5	0	
10	64QAM	1	25	21.73	21.92	21.78			
10	64QAM	1	49	21.73	21.98	21.80			
10	64QAM	25	0	21.27	21.27	20.99	22.5	1	
10	64QAM	25	12	21.30	21.37	21.27			
10	64QAM	25	25	21.23	21.31	21.20			
10	64QAM	50	0	21.27	21.27	21.17			
Channel 26715									
Frequency (MHz) 816.5									
5	QPSK	1	0	21.76	21.99	21.85			
5	QPSK	1	12	21.73	21.98	21.74	23.5	0	
5	QPSK	1	24	21.71	21.95	21.78			
5	QPSK	12	0	21.75	21.95	21.78	23.5	0	
5	QPSK	12	7	21.72	22.04	21.78			
5	QPSK	12	13	21.83	21.92	21.87			
5	QPSK	25	0	21.75	21.93	21.77			
5	16QAM	1	0	21.75	21.91	21.79	23.5	0	
5	16QAM	1	12	21.71	21.95	21.85			
5	16QAM	1	24	21.77	22.01	21.78			
5	16QAM	12	0	21.72	21.93	21.76	23.5	0	
5	16QAM	12	7	21.71	21.91	21.80			
5	16QAM	12	13	21.72	21.88	21.78			
5	16QAM	25	0	21.82	21.99	21.80			
5	64QAM	1	0	21.76	21.88	21.81	23.5	0	
5	64QAM	1	12	21.72	21.93	21.83			
5	64QAM	1	24	21.80	22.01	21.83			
5	64QAM	12	0	21.18	21.20	21.06	22.5	1	
5	64QAM	12	7	21.27	21.37	21.22			
5	64QAM	12	13	21.25	21.35	21.26			
5	64QAM	25	0	21.27	21.31	21.24			
Channel 26705									
Frequency (MHz) 815.5									
3	QPSK	1	0	21.77	22.00	21.84			
3	QPSK	1	8	21.77	21.94	21.82	23.5	0	
3	QPSK	1	14	21.78	21.91	21.78			
3	QPSK	8	0	21.73	21.96	21.80	23.5	0	
3	QPSK	8	4	21.80	22.04	21.75			
3	QPSK	8	7	21.73	21.88	21.86			
3	QPSK	15	0	21.76	21.95	21.86			
3	16QAM	1	0	21.76	21.97	21.89	23.5	0	
3	16QAM	1	8	21.72	21.99	21.86			
3	16QAM	1	14	21.80	22.05	21.75			
3	16QAM	8	0	21.77	21.99	21.75	23.5	0	
3	16QAM	8	4	21.76	21.94	21.80			
3	16QAM	8	7	21.71	21.89	21.81			
3	16QAM	15	0	21.72	22.00	21.88			
3	64QAM	1	0	21.76	21.93	21.85	23.5	0	
3	64QAM	1	8	21.79	21.98	21.83			
3	64QAM	1	14	21.81	21.96	21.81			
3	64QAM	8	0	21.28	21.32	21.10	22.5	1	
3	64QAM	8	4	21.30	21.39	21.21			
3	64QAM	8	7	21.25	21.28	21.27			
3	64QAM	15	0	21.22	21.29	21.29			
Channel 26997									
Frequency (MHz) 814.7									
1.4	QPSK	1	0	21.70	21.96	21.79			
1.4	QPSK	1	3	21.79	21.97	21.78	23.5	0	
1.4	QPSK	1	5	21.76	21.94	21.80			
1.4	QPSK	3	0	21.82	22.05				



Band 38 Ant4 DSI5										
BW [MHz]	Modulat Ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.50	20.71	20.54				
20	QPSK	1	49	20.47	20.58	20.62	22	0		
20	QPSK	1	99	20.49	20.59	20.59				
20	QPSK	50	0	20.42	20.67	20.58				
20	QPSK	50	24	20.41	20.64	20.57				
20	QPSK	50	50	20.42	20.59	20.59	22	0		
20	QPSK	100	0	20.40	20.60	20.56				
20	16QAM	1	0	20.41	20.61	20.63				
20	16QAM	1	49	20.48	20.60	20.56	22	0		
20	16QAM	1	99	20.43	20.70	20.59				
20	16QAM	50	0	20.52	20.67	20.55				
20	16QAM	50	24	20.41	20.61	20.61	22	0		
20	16QAM	50	50	20.40	20.62	20.64				
20	16QAM	100	0	20.43	20.65	20.66				
20	84QAM	1	0	20.48	20.62	20.62				
20	84QAM	1	49	20.50	20.63	20.54	22	0		
20	84QAM	1	99	20.46	20.63	20.56				
20	84QAM	50	0	20.47	20.67	20.62				
20	84QAM	50	24	20.42	20.67	20.58	22	0		
20	84QAM	50	50	20.40	20.62	20.60				
20	84QAM	100	0	20.50	20.59	20.63				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.39	20.57	20.42				
15	QPSK	1	37	20.37	20.43	20.55	22	0		
15	QPSK	1	74	20.33	20.51	20.47				
15	QPSK	36	0	20.37	20.56	20.46				
15	QPSK	36	20	20.39	20.54	20.49	22	0		
15	QPSK	36	39	20.35	20.50	20.50				
15	QPSK	75	0	20.35	20.47	20.40				
15	16QAM	1	0	20.27	20.53	20.48				
15	16QAM	1	37	20.38	20.56	20.41	22	0		
15	16QAM	1	74	20.37	20.57	20.49				
15	16QAM	36	0	20.48	20.61	20.42				
15	16QAM	36	20	20.27	20.51	20.48	22	0		
15	16QAM	36	39	20.25	20.52	20.56				
15	16QAM	75	0	20.36	20.58	20.55				
15	84QAM	1	0	20.34	20.57	20.54				
15	84QAM	1	37	20.44	20.52	20.50	22	0		
15	84QAM	1	74	20.40	20.57	20.48				
15	84QAM	36	0	20.32	20.62	20.48				
15	84QAM	36	20	20.34	20.55	20.43	22	0		
15	84QAM	36	39	20.33	20.47	20.48				
15	84QAM	75	0	20.43	20.54	20.51				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.38	20.63	20.43				
10	QPSK	1	25	20.42	20.43	20.52	22	0		
10	QPSK	1	49	20.38	20.46	20.51				
10	QPSK	25	0	20.31	20.54	20.45				
10	QPSK	25	12	20.27	20.50	20.49	22	0		
10	QPSK	25	25	20.31	20.43	20.52				
10	QPSK	50	0	20.29	20.56	20.42				
10	16QAM	1	0	20.28	20.48	20.50				
10	16QAM	1	25	20.42	20.47	20.42	22	0		
10	16QAM	1	49	20.39	20.65	20.49				
10	16QAM	25	0	20.46	20.63	20.39				
10	16QAM	25	12	20.28	20.50	20.49	22	0		
10	16QAM	25	25	20.29	20.57	20.57				
10	84QAM	1	0	20.30	20.50	20.61				
10	84QAM	1	25	20.43	20.56	20.48	22	0		
10	84QAM	1	49	20.32	20.51	20.46				
10	84QAM	25	0	20.33	20.53	20.56				
10	84QAM	25	12	20.32	20.55	20.44	22	0		
10	84QAM	25	25	20.31	20.51	20.52				
10	84QAM	50	0	20.36	20.52	20.50				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.37	20.60	20.48				
5	QPSK	1	12	20.35	20.53	20.50	22	0		
5	QPSK	1	24	20.37	20.54	20.46				
5	QPSK	12	0	20.28	20.54	20.44				
5	QPSK	12	7	20.33	20.48	20.51	22	0		
5	QPSK	12	13	20.31	20.53	20.54				
5	QPSK	25	0	20.35	20.44	20.46				
5	16QAM	1	0	20.30	20.54	20.55				
5	16QAM	1	12	20.43	20.50	20.44	22	0		
5	16QAM	1	24	20.38	20.58	20.49				
5	16QAM	12	0	20.39	20.52	20.45				
5	16QAM	12	7	20.29	20.50	20.56	22	0		
5	16QAM	12	13	20.32	20.55	20.54				
5	16QAM	25	0	20.29	20.50	20.58				
5	84QAM	1	0	20.37	20.57	20.55				
5	84QAM	1	12	20.43	20.57	20.46	22	0		
5	84QAM	1	24	20.32	20.50	20.44				
5	84QAM	12	0	20.38	20.53	20.54				
5	84QAM	12	7	20.28	20.52	20.49	22	0		
5	84QAM	12	13	20.35	20.52	20.54				
5	84QAM	25	0	20.42	20.47	20.48				

Band 41 Ant4 DSI5										
BW [MHz]	Modulat Ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.68	20.60	20.86	20.71	20.71		
20	QPSK	1	49	20.54	20.70	20.79	20.60	20.57	22	0
20	QPSK	1	99	20.64	20.61	20.80	20.64	20.64		
20	QPSK	50	0	20.65	20.68	20.82	20.64	20.64		
20	QPSK	50	24	20.61	20.61	20.78	20.53	20.57	22	0
20	QPSK	50	50	20.59	20.65	20.74	20.55	20.58		
20	QPSK	100	0	20.52	20.68	20.73	20.57	20.56		
20	16QAM	1	0	20.46	20.64	20.72	20.50	20.56		
20	16QAM	1	49	20.50	20.66	20.73	20.55	20.55	22	0
20	16QAM	1	99	20.61	20.60	20.78	20.56	20.53		
20	16QAM	50	0	20.55	20.63	20.72	20.47	20.52		
20	16QAM	50	24	20.57	20.62	20.77	20.60	20.60	22	0
20	16QAM	50	50	20.53	20.66	20.75	20.59	20.52		
20	16QAM	100	0	20.67	20.64	20.81	20.62	20.60		
20	84QAM	1	0	20.67	20.61	20.82	20.63	20.64		
20	84QAM	1	49	20.59	20.71	20.78	20.63	20.59	22	0
20	84QAM	1	99	20.57	20.66	20.73	20.51	20.55		
20	84QAM	50	0	20.58	20.61	20.73	20.56	20.55		
20	84QAM	50	24	20.62	20.62	20.81	20.65	20.64	22	0
20	84QAM	50	50	20.67	20.61	20.82	20.62	20.60		
20	84QAM	100	0	20.62	20.64	20.79	20.63	20.63		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.48	20.68	20.43	20.52	20.50		
15	QPSK	1	37	20.31	20.56	20.51	20.42	20.32	22	0
15	QPSK	1	74	20.38	20.64	20.37	20.45	20.48		
15	QPSK	36	0	20.48	20.57	20.52	20.41	20.41		
15	QPSK	36	20	20.39	20.54	20.36	20.49	20.41	22	0
15	QPSK	36	39	20.34	20.49	20.39	20.35	20.39		
15	QPSK	75	0	20.30	20.49	20.42	20.36	20.35		
15	16QAM	1	0	20.28	20.52	20.45	20.30	20.42		
15	16QAM	1	37	20.30	20.57	20.43	20.41	20.34	22	

Avt 6		Full power			Head Simultaneous			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.70	19.50	14.73	16.50	98.95
		6	2437	17.50	19.90	14.05	16.50	
		11	2462	16.90	19.90	13.89	15.90	
802.11g 6Mbps	6	1	2412	15.10	17.00		16.50	97.92
		11	2462	14.20	16.00		16.00	
		1	2412	14.60	16.90		16.90	
802.11n-HT20 MCS0	6	1	2412	14.60	16.90		16.90	98.13
		11	2462	13.40	15.00		15.00	

Avt 6		Full power			Hotspot Standalone		Hotspot Simultaneous		Head Standalone		Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5190	13.52	15.50	13.10	15.00	13.50	12.00	9.00	9.00	9.00	98.09
		40	5200	13.53	15.50	13.12	15.00	13.50	12.00	9.00	9.00	9.00	
		44	5220	13.56	15.50	13.17	15.00	13.50	12.00	9.00	9.00	9.00	
		48	5240	13.55	15.50	13.07	15.00	13.50	12.00	9.00	9.00	9.00	
	802.11n-HT20 MCS0	36	5190	13.52	15.50	13.10	15.00	13.50	12.00	9.00	9.00	9.00	97.95
		40	5200	13.54	15.50			13.50	12.00	9.00	9.00	9.00	
		44	5220	13.63	15.50	15.00	15.00	13.50	12.00	9.00	9.00	9.00	
		48	5240	13.57	15.50	15.00	15.00	13.50	12.00	9.00	9.00	9.00	
	802.11n-HT40 MCS0	38	5190	12.57	14.50	14.50	14.50	13.50	12.00	9.00	9.00	9.00	94.90
		46	5230	12.81	14.50	14.50	14.50	13.50	12.00	9.00	9.00	9.00	
	802.11ac-VHT20 MCS0	36	5190	13.51	15.50	15.00	15.00	13.50	12.00	9.00	9.00	9.00	98.47
		40	5200	13.52	15.50	15.00	15.00	13.50	12.00	9.00	9.00	9.00	
44		5220	13.57	15.50	15.00	15.00	13.50	12.00	9.00	9.00	9.00		
48		5240	13.53	15.50	15.00	15.00	13.50	12.00	9.00	9.00	9.00		
802.11ac-VHT40 MCS0	38	5190	12.55	14.50	14.50	14.50	13.50	12.00	9.00	9.00	9.00	93.88	
	46	5230	12.58	14.50	14.50	14.50	13.50	12.00	9.00	9.00	9.00		
802.11ac-VHT80 MCS0	42	5210	11.71	13.90	13.90	11.71	13.90	10.23	12.00	7.25	9.00	92.94	

Avt 6		Full power			Head Standalone		Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.3GHz WLAN	802.11a 6Mbps	52	5280	13.56	15.50	12.00	9.00	98.09	
		56	5280	13.53	15.50	12.00	9.00		
		60	5300	13.54	15.50	12.00	9.00		
		64	5320	13.69	15.50	12.00	9.00		
802.11n-HT20 MCS0	52	5280	13.52	15.50	12.00	9.00	97.95		
	56	5280	13.53	15.50	12.00	9.00			
	60	5300	13.51	15.50	12.00	9.00			
	64	5320	13.58	15.50	12.00	9.00			
802.11n-HT40 MCS0	54	5270	12.98	14.50	12.00	9.00	94.90		
	62	5310	12.97	14.50	12.00	9.00			
802.11ac-VHT20 MCS0	52	5280	13.51	15.50	12.00	9.00	98.47		
	56	5280	13.52	15.50	12.00	9.00			
	60	5300	13.50	15.50	12.00	9.00			
	64	5320	13.55	15.50	12.00	9.00			
802.11ac-VHT40 MCS0	54	5270	12.92	14.50	12.00	9.00	93.88		
	62	5310	12.92	14.50	12.00	9.00			
802.11ac-VHT80 MCS0	58	5290	11.80	13.90	10.25	12.00	7.91	9.00	92.94

Avt 6		Full power			Head Standalone		Head Simultaneous		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.3GHz WLAN	802.11a 6Mbps	100	5900	13.68	15.50	13.00	10.00	98.09	
		116	5980	13.51	15.50	13.00	10.00		
		124	5620	13.50	15.50	13.00	10.00		
		132	5660	13.53	15.50	13.00	10.00		
	802.11n-HT20 MCS0	100	5900	13.52	15.50	13.00	10.00	97.95	
		116	5980	13.54	15.50	13.00	10.00		
		124	5620	13.52	15.50	13.00	10.00		
		132	5660	13.51	15.50	13.00	10.00		
	802.11n-HT40 MCS0	102	5910	12.69	14.50	13.00	10.00	94.90	
		110	5950	12.62	14.50	13.00	10.00		
		126	5630	12.57	14.50	13.00	10.00		
		134	5670	12.74	14.50	13.00	10.00		
802.11ac-VHT20 MCS0	100	5900	13.51	15.50	13.00	10.00	98.47		
	116	5980	13.52	15.50	13.00	10.00			
	124	5620	13.51	15.50	13.00	10.00			
	132	5660	13.50	15.50	13.00	10.00			
802.11ac-VHT40 MCS0	102	5910	12.49	14.50	13.00	10.00	93.88		
	110	5950	12.60	14.50	13.00	10.00			
	126	5630	12.54	14.50	13.00	10.00			
	134	5670	12.70	14.50	13.00	10.00			
802.11ac-VHT80 MCS0	106	5930	11.61	13.90	11.21	13.00	8.25	10.00	92.94
	122	5610	11.56	13.90	11.15	13.00	8.16	10.00	

Avt 6		Full power			Head Simultaneous			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	148	5745	13.52	15.50	12.50	9.00	98.09
		157	5785	13.50	15.50	12.50	9.00	
		165	5825	13.69	15.50	12.50	9.00	
		149	5745	13.52	15.50	12.50	9.00	
	802.11n-HT20 MCS0	148	5745	13.52	15.50	12.50	9.00	97.95
		157	5785	13.55	15.50	12.50	9.00	
		166	5825	13.62	15.50	12.50	9.00	
		151	5755	12.56	14.50	12.50	9.00	
	802.11n-HT40 MCS0	159	5795	12.73	14.50	12.50	9.00	94.90
		149	5745	13.50	15.50	12.50	9.00	
	802.11ac-VHT20 MCS0	157	5785	13.54	15.50	12.50	9.00	98.47
		166	5825	13.60	15.50	12.50	9.00	
802.11ac-VHT40 MCS0	151	5755	12.53	14.50	12.50	9.00	93.88	
	159	5795	12.69	14.50	12.50	9.00		
802.11ac-VHT80 MCS0	155	5775	11.56	13.90	10.99	12.50	92.94	

<Bluetooth>

Mode	Channel	Frequency (MHz)	Avt1			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	8.90	6.10	6.10	10.50
	CH 09	2441	8.90	6.10	6.10	10.50
	CH 78	2480	8.60	5.60	5.60	10.50

Mode	Channel	Frequency (MHz)	Avt1	
			Average power (dBm)	FSK
LE	CH 00	2402	4.20	
	CH 19	2440	4.10	
	CH 39	2480	4.00	
Tune-up Limit			6.00	