



Full&Default Power

GSM850 Ant0 Default									
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8			
GSM 1 Tx slot	32.83	32.86	32.80	33.50	23.83	23.86	23.80	24.50	
GPRS 1 Tx slot	32.74	32.82	32.72	33.50	23.74	23.82	23.72	24.50	
GPRS 2 Tx slots	29.33	29.36	29.31	30.00	23.33	23.36	23.31	24.00	
GPRS 3 Tx slots	27.54	27.63	27.50	28.50	23.28	23.37	23.24	24.24	
GPRS 4 Tx slots	26.38	26.42	26.30	27.50	23.38	23.42	23.30	24.50	
EDGE 1 Tx slot	27.07	27.17	27.09	27.50	18.07	18.17	18.09	18.50	
EDGE 2 Tx slots	24.31	24.45	24.42	25.00	18.31	18.45	18.42	19.00	
EDGE 3 Tx slots	22.51	22.62	22.53	23.50	18.25	18.36	18.27	19.24	
EDGE 4 Tx slots	21.47	21.58	21.48	22.50	18.47	18.58	18.48	19.50	

GSM1900 Ant0 Default									
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8			
GSM 1 Tx slot	29.73	29.78	29.69	30.50	20.73	20.78	20.69	21.50	
GPRS 1 Tx slot	29.67	29.72	29.64	30.50	20.67	20.72	20.64	21.50	
GPRS 2 Tx slots	26.33	26.40	26.32	26.70	20.33	20.40	20.32	20.70	
GPRS 3 Tx slots	24.28	24.40	24.29	25.00	20.02	20.14	20.03	20.74	
GPRS 4 Tx slots	23.09	23.18	23.05	24.00	20.09	20.18	20.05	21.00	
EDGE 1 Tx slot	26.43	26.47	26.38	26.80	17.43	17.47	17.38	17.80	
EDGE 2 Tx slots	23.34	23.27	23.29	24.10	17.34	17.27	17.29	18.10	
EDGE 3 Tx slots	21.81	21.86	21.77	23.10	17.55	17.60	17.51	18.84	
EDGE 4 Tx slots	20.53	20.61	20.56	21.30	17.53	17.61	17.56	18.30	

WCDMA V Ant0 Default				
Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Frequency (MHz)	825.4	835.4	845.6	
3GPP Rel 99 AMR 12.2Kbps	24.19	24.28	24.24	25.50
3GPP Rel 99 RMC 12.2Kbps	24.29	24.36	24.31	25.50
3GPP Rel 6 HSDPA Subtest-1	23.23	23.35	23.35	24.00
3GPP Rel 6 HSDPA Subtest-2	23.19	23.41	23.34	24.00
3GPP Rel 6 HSDPA Subtest-3	22.72	23.01	22.92	23.50
3GPP Rel 6 HSDPA Subtest-4	22.64	22.85	22.74	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.03	23.28	23.16	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	23.19	23.30	23.31	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	22.71	22.94	22.78	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.59	22.83	22.66	23.50
3GPP Rel 6 HSUPA Subtest-1	23.30	23.52	23.50	24.00
3GPP Rel 6 HSUPA Subtest-2	21.28	21.42	21.36	22.00
3GPP Rel 6 HSUPA Subtest-3	22.30	22.57	22.44	23.00
3GPP Rel 6 HSUPA Subtest-4	21.24	21.42	21.31	22.00
3GPP Rel 6 HSUPA Subtest-5	23.29	23.50	23.40	24.00



Band 5 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.66	24.70	24.61	25.5	0		
10	QPSK	1	25	24.56	24.62	24.48				
10	QPSK	1	49	24.42	24.44	24.39				
10	QPSK	25	0	23.58	23.63	23.50	24.5	1		
10	QPSK	25	12	23.49	23.58	23.49				
10	QPSK	25	25	23.42	23.52	23.46				
10	QPSK	50	0	23.31	23.45	23.37	24.5	1		
10	16QAM	1	0	23.78	23.88	23.75				
10	16QAM	1	25	23.74	23.83	23.74				
10	16QAM	1	49	23.58	23.70	23.61	23.5	2		
10	16QAM	25	0	22.59	22.72	22.57				
10	16QAM	25	12	22.56	22.70	22.65				
10	16QAM	25	25	22.56	22.63	22.57	23.5	2		
10	16QAM	50	0	22.58	22.61	22.47				
10	16QAM	1	0	22.79	22.85	22.75				
10	64QAM	1	25	22.64	22.77	22.71	22.5	3		
10	64QAM	1	49	22.71	22.83	22.71				
10	64QAM	25	0	21.59	21.62	21.55				
10	64QAM	25	12	21.53	21.59	21.50	22.5	3		
10	64QAM	25	25	21.49	21.53	21.49				
10	64QAM	50	0	21.47	21.60	21.52				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.52	24.64	24.55	25.5	0		
5	QPSK	1	12	24.46	24.58	24.38				
5	QPSK	1	24	24.30	24.39	24.30				
5	QPSK	12	0	23.49	23.52	23.40	24.5	1		
5	QPSK	12	7	23.35	23.50	23.43				
5	QPSK	12	13	23.30	23.41	23.41				
5	QPSK	25	0	23.27	23.30	23.33	24.5	1		
5	16QAM	1	0	23.75	23.74	23.68				
5	16QAM	1	12	23.61	23.76	23.70				
5	16QAM	1	24	23.52	23.58	23.52	23.5	2		
5	16QAM	12	0	22.45	22.64	22.47				
5	16QAM	12	7	22.50	22.59	22.51				
5	16QAM	12	13	22.50	22.58	22.46	23.5	2		
5	16QAM	25	0	22.48	22.49	22.41				
5	64QAM	1	0	22.70	22.73	22.64				
5	64QAM	1	12	22.57	22.63	22.60	23.5	2		
5	64QAM	1	24	22.63	22.71	22.61				
5	64QAM	12	0	21.54	21.52	21.50				
5	64QAM	12	7	21.49	21.47	21.44	22.5	3		
5	64QAM	12	13	21.46	21.38	21.37				
5	64QAM	25	0	21.32	21.58	21.45				
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.55	24.67	24.54	25.5	0		
3	QPSK	1	8	24.50	24.52	24.43				
3	QPSK	1	14	24.38	24.38	24.33				
3	QPSK	8	0	23.45	23.58	23.38	24.5	1		
3	QPSK	8	4	23.46	23.48	23.38				
3	QPSK	8	7	23.30	23.42	23.32				
3	QPSK	15	0	23.19	23.34	23.23	24.5	1		
3	16QAM	1	0	23.72	23.79	23.68				
3	16QAM	1	8	23.69	23.76	23.64				
3	16QAM	1	14	23.52	23.66	23.49	23.5	2		
3	16QAM	8	0	22.50	22.63	22.53				
3	16QAM	8	4	22.43	22.60	22.52				
3	16QAM	8	7	22.53	22.52	22.45	23.5	2		
3	16QAM	15	0	22.52	22.58	22.43				
3	64QAM	1	0	22.67	22.72	22.68				
3	64QAM	1	8	22.52	22.65	22.57	23.5	2		
3	64QAM	1	14	22.63	22.77	22.65				
3	64QAM	8	0	21.55	21.52	21.50				
3	64QAM	8	4	21.41	21.44	21.38	22.5	3		
3	64QAM	8	7	21.36	21.45	21.43				
3	64QAM	15	0	21.39	21.48	21.44				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.54	24.64	24.57	25.5	0		
1.4	QPSK	1	3	24.49	24.52	24.38				
1.4	QPSK	1	5	24.38	24.29	24.24				
1.4	QPSK	3	0	24.58	24.57	24.53	24.5	1		
1.4	QPSK	3	1	24.53	24.50	24.38				
1.4	QPSK	3	3	24.34	24.36	24.35				
1.4	QPSK	6	0	23.51	23.60	23.46	24.5	1		
1.4	16QAM	1	0	23.41	23.53	23.39				
1.4	16QAM	1	3	23.39	23.39	23.37				
1.4	16QAM	1	5	23.18	23.37	23.32	24.5	1		
1.4	16QAM	3	0	23.65	23.80	23.64				
1.4	16QAM	3	1	23.60	23.69	23.65				
1.4	16QAM	3	3	23.44	23.58	23.57	23.5	2		
1.4	16QAM	6	0	22.49	22.65	22.50				
1.4	64QAM	1	0	22.48	22.64	22.52				
1.4	64QAM	1	3	22.43	22.59	22.43	23.5	2		
1.4	64QAM	1	5	22.51	22.54	22.34				
1.4	64QAM	3	0	22.67	22.78	22.69				
1.4	64QAM	3	1	22.49	22.74	22.60	22.5	3		
1.4	64QAM	3	3	22.65	22.70	22.67				
1.4	64QAM	6	0	21.51	21.55	21.51				

Band 7 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	24.52	24.60	24.48	25.5	0		
20	QPSK	1	49	24.45	24.53	24.34				
20	QPSK	1	99	24.31	24.40	24.27				
20	QPSK	50	0	23.45	23.55	23.40	24.5	1		
20	QPSK	50	24	23.37	23.50	23.37				
20	QPSK	50	50	23.33	23.39	23.35				
20	QPSK	100	0	23.23	23.32	23.26	24.5	1		
20	16QAM	1	0	23.70	23.77	23.65				
20	16QAM	1	49	23.61	23.78	23.69				
20	16QAM	1	99	23.44	23.60	23.55	23.5	2		
20	16QAM	50	0	22.54	22.68	22.46				
20	16QAM	50	24	22.45	22.64	22.51				
20	16QAM	50	50	22.52	22.52	22.52	23.5	2		
20	16QAM	100	0	22.54	22.47	22.34				
20	64QAM	1	0	22.73	22.74	22.64				
20	64QAM	1	49	22.55	22.62	22.66	23.5	2		
20	64QAM	1	99	22.68	22.74	22.60				
20	64QAM	50	0	21.55	21.49	21.51				
20	64QAM	50	24	21.41	21.48	21.42	22.5	3		
20	64QAM	50	50	21.40	21.43	21.45				
20	64QAM	100	0	21.35	21.52	21.45				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	24.44	24.53	24.36	25.5	0		
15	QPSK	1	37	24.34	24.39	24.27				
15	QPSK	1	74	24.21	24.27	24.21				
15	QPSK	36	0	23.31	23.48	23.29	24.5	1		
15	QPSK	36	20	23.33	23.47	23.34				
15	QPSK	36	39	23.27	23.32	23.24				
15	QPSK	75	0	23.18	23.26	23.20	24.5	1		
15	16QAM	1	0	23.60	23.66	23.52				
15	16QAM	1	37	23.54	23.68	23.61				
15	16QAM	1	74	23.30	23.51	23.47	23.5	2		
15	16QAM	36	0	22.49	22.61	22.37				
15	16QAM	36	20	22.42	22.51	22.43				
15	16QAM	36	39	22.47	22.44	22.47	23.5	2		
15	16QAM	75	0	22.47	22.40	22.25				
15	64QAM	1	0	22.66	22.62	22.51				
15	64QAM	1	37	22.41	22.55	22.61	23.5	2		
15	64QAM	1	74	22.63	22.66	22.48				
15	64QAM	36	0	21.51	21.37	21.38				
15	64QAM	36	20	21.35	21.45	21.32	22.5	3		
15	64QAM	36	39	21.26	21.38	21.39				
15	64QAM	75	0	21.29	21.49	21.32				
Channel				20800	21100	21400				
Frequency										



Band 38 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.68	24.70	24.61	25.5	0		
20	QPSK	1	49	24.59	24.61	24.48				
20	QPSK	1	99	24.38	24.46	24.43				
20	QPSK	50	0	23.53	23.59	23.57	24.5	1		
20	QPSK	50	24	23.51	23.56	23.55				
20	QPSK	50	50	23.39	23.49	23.44				
20	QPSK	100	0	23.31	23.49	23.44	24.5	1		
20	16QAM	1	0	23.83	23.85	23.81				
20	16QAM	1	49	23.79	23.85	23.69				
20	16QAM	1	99	23.54	23.65	23.59	23.5	2		
20	16QAM	50	0	22.65	22.78	22.64				
20	16QAM	50	24	22.57	22.67	22.63				
20	16QAM	50	50	22.60	22.64	22.63	23.5	2		
20	16QAM	100	0	22.56	22.64	22.49				
20	64QAM	1	0	22.81	22.88	22.78				
20	64QAM	1	49	22.70	22.84	22.72	23.5	2		
20	64QAM	1	99	22.70	22.89	22.76				
20	64QAM	50	0	21.65	21.66	21.57				
20	64QAM	50	24	21.57	21.55	21.55	22.5	3		
20	64QAM	50	50	21.56	21.54	21.45				
20	64QAM	100	0	21.54	21.59	21.48				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.61	24.63	24.55	25.5	0		
15	QPSK	1	37	24.46	24.54	24.34				
15	QPSK	1	74	24.29	24.38	24.37				
15	QPSK	36	0	23.39	23.52	23.51	24.5	1		
15	QPSK	36	20	23.46	23.44	23.47				
15	QPSK	36	39	23.30	23.40	23.47				
15	QPSK	75	0	23.27	23.42	23.31	24.5	1		
15	16QAM	1	0	23.78	23.72	23.78				
15	16QAM	1	37	23.74	23.74	23.63				
15	16QAM	1	74	23.44	23.54	23.53	23.5	2		
15	16QAM	36	0	22.52	22.74	22.54				
15	16QAM	36	20	22.44	22.57	22.54				
15	16QAM	36	39	22.56	22.57	22.57	23.5	2		
15	16QAM	75	0	22.46	22.52	22.39				
15	64QAM	1	0	22.74	22.76	22.74				
15	64QAM	1	37	22.56	22.75	22.84	23.5	2		
15	64QAM	1	74	22.57	22.82	22.70				
15	64QAM	36	0	21.61	21.55	21.51				
15	64QAM	36	20	21.50	21.46	21.46	22.5	3		
15	64QAM	36	39	21.53	21.40	21.41				
15	64QAM	75	0	21.43	21.45	21.35				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.56	24.58	24.53	25.5	0		
10	QPSK	1	25	24.55	24.50	24.39				
10	QPSK	1	49	24.29	24.36	24.33				
10	QPSK	25	0	23.39	23.47	23.47	24.5	1		
10	QPSK	25	12	23.36	23.51	23.42				
10	QPSK	25	25	23.30	23.45	23.34				
10	QPSK	50	0	23.24	23.37	23.36	24.5	1		
10	16QAM	1	0	23.74	23.74	23.67				
10	16QAM	1	25	23.67	23.72	23.59				
10	16QAM	1	49	23.41	23.55	23.55	23.5	2		
10	16QAM	25	0	22.55	22.74	22.51				
10	16QAM	25	12	22.53	22.56	22.59				
10	16QAM	25	25	22.53	22.58	22.51	23.5	2		
10	16QAM	50	0	22.49	22.60	22.35				
10	64QAM	1	0	22.75	22.78	22.75				
10	64QAM	1	25	22.65	22.77	22.58	23.5	2		
10	64QAM	1	49	22.63	22.76	22.71				
10	64QAM	25	0	21.57	21.61	21.48				
10	64QAM	25	12	21.45	21.44	21.46	22.5	3		
10	64QAM	25	25	21.50	21.49	21.40				
10	64QAM	50	0	21.44	21.55	21.40				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.58	24.65	24.52	25.5	0		
5	QPSK	1	12	24.54	24.47	24.42				
5	QPSK	1	24	24.32	24.41	24.33				
5	QPSK	12	0	23.46	23.47	23.45	24.5	1		
5	QPSK	12	7	23.48	23.48	23.44				
5	QPSK	12	13	23.30	23.37	23.33				
5	QPSK	25	0	23.28	23.43	23.35	24.5	1		
5	16QAM	1	0	23.74	23.82	23.76				
5	16QAM	1	12	23.70	23.81	23.63				
5	16QAM	1	24	23.43	23.56	23.55	23.5	2		
5	16QAM	12	0	22.56	22.63	22.51				
5	16QAM	12	7	22.50	22.57	22.48				
5	16QAM	12	13	22.45	22.56	22.59	23.5	2		
5	16QAM	25	0	22.47	22.51	22.44				
5	64QAM	1	0	22.77	22.83	22.68				
5	64QAM	1	12	22.55	22.79	22.69	23.5	2		
5	64QAM	1	24	22.64	22.78	22.61				
5	64QAM	12	0	21.59	21.56	21.44				
5	64QAM	12	7	21.63	21.50	21.46	22.5	3		
5	64QAM	12	13	21.53	21.46	21.33				
5	64QAM	25	0	21.40	21.48	21.45				

Band 41 Ant0 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.55	24.70	24.73	24.68	24.63	25.5	0		
20	QPSK	1	49	24.41	24.64	24.69	24.53	24.50				
20	QPSK	1	99	24.36	24.38	24.48	24.42	24.38				
20	QPSK	50	0	23.48	23.61	23.67	23.57	23.50	24.5	1		
20	QPSK	50	24	23.50	23.52	23.58	23.58	23.47				
20	QPSK	50	50	23.45	23.44	23.55	23.50	23.37				
20	QPSK	100	0	23.32	23.33	23.52	23.47	23.35	24.5	1		
20	16QAM	1	0	23.72	23.89	23.90	23.83	23.75				
20	16QAM	1	49	23.68	23.79	23.85	23.72	23.66				
20	16QAM	1	99	23.60	23.62	23.68	23.60	23.55	23.5	2		
20	16QAM	50	0	22.29	22.36	22.43	22.40	22.29				
20	16QAM	50	24	22.08	22.14	22.17	22.16	22.12				
20	16QAM	50	50	22.13	22.19	22.14	22.16	22.17	23.5	2		
20	16QAM	100	0	21.99	22.02	22.19	22.06	21.92				
20	64QAM	1	0	22.23	22.35	22.39	22.34	22.26				
20	64QAM	1	49	22.02	22.24	22.25	22.17	22.07	23.5	2		
20	64QAM	1	99	22.13	22.16	22.30	22.26	22.22				
20	64QAM	50	0	21.29	21.50	21.46	21.37	21.33				
20	64QAM	50	24	21.26	21.42	21.34	21.31	21.24	22.5	3		
20	64QAM	50	50	21.21	21.40	21.31	21.28	21.21				
20	64QAM	100	0	21.21	21.30	21.37	21.32	21.26				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2593	2637.3	2692.5				
15	QPSK	1	0	24.43	24.60	24.66	24.54	24.53	26	0		
15	QPSK	1	37	24.29	24.53	24.60	24.49	24.37				
15	QPSK	1	74	24.31	24.32	24.40	24.30	24.25				
15	QPSK	36	0	23.38	23.51	23.56	23.54	23.43	24.5	1		
15	QPSK	36	20	23.47	23.43	23.48	23.55	23.35				
15	QPSK	36	39	23.35	23.35	23.46	23.43	23.28				
15	QPSK	75	0	23.27	23.18	23.45	23.41	23.22	24.5	1		
15	16QAM	1	0	23.59	23.77	23.83	23.79	23.64				
15	16QAM	1	37	23.59	23.69	23.76	23.61	23.59				
15	16QAM	1	74	23.50	23.56	23.65	23.48	23.41	23.5	2		
15	16QAM	36	0	22.23	22.28	22.36	22.28	22.18				
15	16QAM	36	20	21.94	22.04	22.05	22.12	22.08				
15	16QAM	36	39	22.07	22.11	22.01						



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)	824.2	836.4	848.8	33.50	23.73	23.78	23.70	24.50
GSM 1 Tx slot	32.73	32.78	32.70	33.50	23.73	23.78	23.70	24.50
GPRS 1 Tx slot	32.59	32.73	32.66	33.50	23.59	23.73	23.66	24.50
GPRS 2 Tx slots	29.26	29.32	29.20	30.00	23.26	23.32	23.20	24.00
GPRS 3 Tx slots	27.74	27.80	27.72	28.50	23.48	23.54	23.46	24.24
GPRS 4 Tx slots	26.52	26.61	26.47	27.50	23.52	23.61	23.47	24.50
EDGE 1 Tx slot	27.07	27.16	27.04	27.50	18.07	18.16	18.04	18.50
EDGE 2 Tx slots	24.43	24.54	24.46	25.00	18.43	18.54	18.46	19.00
EDGE 3 Tx slots	22.70	22.80	22.68	23.50	18.44	18.54	18.42	19.24
EDGE 4 Tx slots	21.40	21.55	21.41	22.50	18.40	18.55	18.41	19.50

GSM1900 Ant1 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot	29.86	29.92	29.83	30.50	20.86	20.92	20.83	21.50
GPRS 1 Tx slot	29.75	29.89	29.78	30.50	20.75	20.89	20.78	21.50
GPRS 2 Tx slots	26.33	26.48	26.45	26.70	20.33	20.48	20.45	20.70
GPRS 3 Tx slots	24.53	24.59	24.47	25.00	20.27	20.33	20.21	20.74
GPRS 4 Tx slots	23.39	23.45	23.41	24.00	20.39	20.45	20.41	21.00
EDGE 1 Tx slot	26.44	26.48	26.39	26.80	17.44	17.48	17.39	17.80
EDGE 2 Tx slots	23.18	23.33	23.27	24.10	17.18	17.33	17.27	18.10
EDGE 3 Tx slots	21.69	21.76	21.63	23.10	17.43	17.50	17.37	18.84
EDGE 4 Tx slots	20.58	20.69	20.58	21.30	17.58	17.69	17.58	18.30

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.45	24.56	24.42	25.50
3GPP Rel 99 RMC 12.2Kbps	24.51	24.57	24.46	25.50
3GPP Rel 6 HSDPA Subtest-1	23.50	23.53	23.39	24.00
3GPP Rel 6 HSDPA Subtest-2	23.53	23.62	23.50	24.00
3GPP Rel 6 HSDPA Subtest-3	22.89	23.15	22.83	23.50
3GPP Rel 6 HSDPA Subtest-4	23.02	22.97	22.93	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.36	23.44	23.32	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.40	23.44	23.38	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.85	23.06	22.86	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.96	22.84	22.85	23.50
3GPP Rel 6 HSUPA Subtest-1	23.72	23.79	23.42	24.00
3GPP Rel 6 HSUPA Subtest-2	21.56	21.63	21.43	22.00
3GPP Rel 6 HSUPA Subtest-3	22.52	22.67	22.58	23.00
3GPP Rel 6 HSUPA Subtest-4	21.51	21.62	21.57	22.00
3GPP Rel 6 HSUPA Subtest-5	23.53	23.59	23.33	24.00



Band 5 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.76	24.79	24.70	25.5	0		
10	QPSK	1	25	24.65	24.75	24.62				
10	QPSK	1	49	24.57	24.59	24.47	24.5	1		
10	QPSK	25	0	23.64	23.73	23.67				
10	QPSK	25	12	23.62	23.66	23.58	24.5	1		
10	QPSK	25	25	23.52	23.67	23.60				
10	QPSK	50	0	23.43	23.52	23.43	24.5	1		
10	16QAM	1	0	23.89	23.97	23.92				
10	16QAM	1	25	23.83	23.91	23.82	24.5	1		
10	16QAM	1	49	23.68	23.80	23.71				
10	16QAM	25	0	22.68	22.70	22.69	23.5	2		
10	16QAM	25	12	22.72	22.84	22.81				
10	16QAM	25	25	22.62	22.74	22.70	23.5	2		
10	16QAM	50	0	22.73	22.70	22.62				
10	64QAM	1	0	22.94	22.93	22.83	23.5	2		
10	64QAM	1	25	22.74	22.86	22.88				
10	64QAM	1	49	22.86	22.90	22.77	22.5	3		
10	64QAM	25	0	21.72	21.74	21.66				
10	64QAM	25	12	21.68	21.69	21.62	22.5	3		
10	64QAM	25	25	21.59	21.64	21.56				
10	64QAM	50	0	21.53	21.71	21.66				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.69	24.73	24.65	25.5	0		
5	QPSK	1	12	24.58	24.63	24.57				
5	QPSK	1	24	24.51	24.46	24.43	24.5	1		
5	QPSK	12	0	23.56	23.68	23.61				
5	QPSK	12	7	23.57	23.57	23.46	24.5	1		
5	QPSK	12	13	23.40	23.53	23.47				
5	QPSK	25	0	23.38	23.45	23.33	24.5	1		
5	16QAM	1	0	23.84	23.94	23.79				
5	16QAM	1	12	23.79	23.82	23.69	23.5	2		
5	16QAM	1	24	23.64	23.76	23.58				
5	16QAM	12	0	22.63	22.66	22.65	23.5	2		
5	16QAM	12	7	22.67	22.74	22.76				
5	16QAM	12	13	22.49	22.60	22.66	23.5	2		
5	16QAM	25	0	22.69	22.64	22.50				
5	64QAM	1	0	22.85	22.85	22.72	22.5	3		
5	64QAM	1	12	22.63	22.78	22.77				
5	64QAM	1	24	22.83	22.83	22.69	22.5	3		
5	64QAM	12	0	21.68	21.61	21.56				
5	64QAM	12	7	21.62	21.65	21.47	22.5	3		
5	64QAM	12	13	21.46	21.51	21.47				
5	64QAM	25	0	21.39	21.59	21.56				
Channel				20416	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.61	24.71	24.61	25.5	0		
3	QPSK	1	8	24.60	24.62	24.56				
3	QPSK	1	14	24.52	24.45	24.44	24.5	1		
3	QPSK	8	0	23.54	23.66	23.52				
3	QPSK	8	4	23.54	23.52	23.49	24.5	1		
3	QPSK	8	7	23.41	23.54	23.53				
3	QPSK	15	0	23.28	23.47	23.37	24.5	1		
3	16QAM	1	0	23.79	23.85	23.83				
3	16QAM	1	8	23.72	23.78	23.74	23.5	2		
3	16QAM	1	14	23.54	23.72	23.59				
3	16QAM	8	0	22.53	22.56	22.57	23.5	2		
3	16QAM	8	4	22.61	22.72	22.72				
3	16QAM	8	7	22.58	22.68	22.62	23.5	2		
3	16QAM	15	0	22.65	22.64	22.50				
3	64QAM	1	0	22.87	22.88	22.76	23.5	2		
3	64QAM	1	8	22.64	22.76	22.77				
3	64QAM	1	14	22.75	22.76	22.63	22.5	3		
3	64QAM	8	0	21.58	21.70	21.60				
3	64QAM	8	4	21.53	21.57	21.52	22.5	3		
3	64QAM	8	7	21.45	21.53	21.50				
3	64QAM	15	0	21.38	21.56	21.61				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.67	24.70	24.65	25.5	0		
1.4	QPSK	1	3	24.65	24.62	24.53				
1.4	QPSK	1	5	24.44	24.41	24.33	24.5	1		
1.4	QPSK	3	0	24.66	24.70	24.70				
1.4	QPSK	3	1	24.59	24.64	24.48	24.5	1		
1.4	QPSK	3	3	24.48	24.49	24.43				
1.4	QPSK	6	0	23.56	23.68	23.52	24.5	1		
1.4	16QAM	1	0	23.51	23.70	23.54				
1.4	16QAM	1	3	23.48	23.55	23.45	24.5	1		
1.4	16QAM	1	5	23.32	23.47	23.49				
1.4	16QAM	3	0	23.81	23.89	23.73	23.5	2		
1.4	16QAM	3	1	23.76	23.83	23.70				
1.4	16QAM	3	3	23.59	23.70	23.65	23.5	2		
1.4	16QAM	6	0	22.65	22.71	22.55				
1.4	64QAM	1	0	22.61	22.80	22.63	23.5	2		
1.4	64QAM	1	3	22.54	22.74	22.52				
1.4	64QAM	1	5	22.64	22.64	22.44	22.5	3		
1.4	64QAM	3	0	22.73	22.85	22.78				
1.4	64QAM	3	1	22.65	22.80	22.76	22.5	3		
1.4	64QAM	3	3	22.74	22.76	22.76				
1.4	64QAM	6	0	21.59	21.69	21.66				

Band 7 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	24.73	24.81	24.67	25.5	0		
20	QPSK	1	49	24.70	24.74	24.55				
20	QPSK	1	99	24.51	24.64	24.45	24.5	1		
20	QPSK	50	0	23.68	23.74	23.64				
20	QPSK	50	24	23.55	23.73	23.60	24.5	1		
20	QPSK	50	50	23.57	23.57	23.52				
20	QPSK	100	0	23.39	23.55	23.44	24.5	1		
20	16QAM	1	0	23.95	23.98	23.84				
20	16QAM	1	49	23.82	23.99	23.94	23.5	2		
20	16QAM	1	99	23.69	23.80	23.72				
20	16QAM	50	0	22.71	22.90	22.71	23.5	2		
20	16QAM	50	24	22.63	22.91	22.69				
20	16QAM	50	50	22.71	22.71	22.70	23.5	2		
20	16QAM	100	0	22.76	22.68	22.50				
20	64QAM	1	0	23.00	22.96	22.79	23.5	2		
20	64QAM	1	49	22.79	22.87	22.88				
20	64QAM	1	99	22.90	22.91	22.80	22.5	3		
20	64QAM	50	0	21.76	21.70	21.69				
20	64QAM	50	24	21.58	21.67	21.63	22.5	3		
20	64QAM	50	50	21.57	21.63	21.70				
20	64QAM	100	0	21.51	21.73	21.67				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	24.67	24.74	24.59	25.5	0		
15	QPSK	1	37	24.66	24.67	24.41				
15	QPSK	1	74	24.46	24.53	24.35	24.5	1		
15	QPSK	36	0	23.56	23.67	23.60				
15	QPSK	36	20	23.48	23.63	23.50	24.5	1		
15	QPSK	36	39	23.45	23.51	23.45				
15	QPSK	75	0	23.26	23.41	23.35	24.5	1		
15	16QAM	1	0	23.81	23.91	23.74				
15	16QAM	1	37	23.77	23.91	23.82	23.5	2		
15	16QAM	1	74	23.55	23.75	23.68				
15	16QAM	36	0	22.56	22.86	22.58	23.5	2		
15	16QAM	36	20	22.52	22.83	22.60				
15	16QAM	36	39	22.58	22.68	22.56	23.5	2		
15	16QAM	75	0	22.64	22.61	22.45				
15	64QAM	1	0	22.91	22.84	22.66	22.5	3		
15	64QAM	1	37	22.74	22.74	22.80				
15	64QAM	1	74	22.85	22.84	22.66	22.5	3		
15	64QAM	36	0	21.72	21.56	21.57				
15	64QAM	36	20	21.44	21.59	21.49	22.5	3		
15	64QAM	36	39	21.47	21.60	21.62				
15	64QAM	75	0	21.47	21.63	21.61				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	24.59	24.69	24.52	25.5	0		
10	QPSK	1	25	24.58	24.60	24.45				



Band 38 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.55	24.60	24.48	25.5	0		
20	QPSK	1	49	24.40	24.44	24.35				
20	QPSK	1	99	24.41	24.53	24.46				
20	QPSK	50	0	23.41	23.51	23.37	24.5	1		
20	QPSK	50	24	23.40	23.45	23.34				
20	QPSK	50	50	23.42	23.49	23.40				
20	QPSK	100	0	23.32	23.42	23.33	24.5	1		
20	16QAM	1	0	23.59	23.68	23.63				
20	16QAM	1	49	23.49	23.59	23.55				
20	16QAM	1	99	23.49	23.54	23.49	23.5	2		
20	16QAM	50	0	22.55	22.69	22.55				
20	16QAM	50	24	22.57	22.61	22.54				
20	16QAM	50	50	22.43	22.53	22.44	23.5	2		
20	16QAM	100	0	22.36	22.46	22.36				
20	64QAM	1	0	22.60	22.65	22.55				
20	64QAM	1	49	22.56	22.60	22.56	23.5	2		
20	64QAM	1	99	22.49	22.62	22.51				
20	64QAM	50	0	21.32	21.47	21.40				
20	64QAM	50	24	21.39	21.46	21.32	22.5	3		
20	64QAM	50	50	21.27	21.31	21.18				
20	64QAM	100	0	21.40	21.46	21.36				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.51	24.50	24.36	25.5	0		
15	QPSK	1	37	24.33	24.31	24.27				
15	QPSK	1	74	24.35	24.47	24.40				
15	QPSK	36	0	23.36	23.42	23.25	24.5	1		
15	QPSK	36	20	23.36	23.38	23.24				
15	QPSK	36	39	23.32	23.43	23.33				
15	QPSK	75	0	23.18	23.31	23.29	24.5	1		
15	16QAM	1	0	23.52	23.56	23.53				
15	16QAM	1	37	23.38	23.52	23.51				
15	16QAM	1	74	23.43	23.39	23.40	23.5	2		
15	16QAM	36	0	22.51	22.54	22.44				
15	16QAM	36	20	22.48	22.56	22.43				
15	16QAM	36	39	22.34	22.42	22.32	23.5	2		
15	16QAM	75	0	22.33	22.36	22.31				
15	64QAM	1	0	22.51	22.54	22.50				
15	64QAM	1	37	22.50	22.54	22.42	23.5	2		
15	64QAM	1	74	22.46	22.56	22.47				
15	64QAM	36	0	21.18	21.38	21.36				
15	64QAM	36	20	21.32	21.31	21.26	22.5	3		
15	64QAM	36	39	21.23	21.25	21.13				
15	64QAM	75	0	21.27	21.34	21.32				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.42	24.48	24.35	25.5	0		
10	QPSK	1	25	24.32	24.36	24.32				
10	QPSK	1	49	24.28	24.49	24.43				
10	QPSK	25	0	23.27	23.40	23.25	24.5	1		
10	QPSK	25	12	23.33	23.34	23.21				
10	QPSK	25	25	23.27	23.38	23.27				
10	QPSK	50	0	23.24	23.30	23.20	24.5	1		
10	16QAM	1	0	23.52	23.60	23.55				
10	16QAM	1	25	23.41	23.53	23.44				
10	16QAM	1	49	23.42	23.48	23.45	23.5	2		
10	16QAM	25	0	22.41	22.63	22.47				
10	16QAM	25	12	22.46	22.56	22.45				
10	16QAM	25	25	22.35	22.49	22.32	23.5	2		
10	16QAM	50	0	22.22	22.36	22.24				
10	64QAM	1	0	22.46	22.60	22.43				
10	64QAM	1	25	22.44	22.51	22.45	23.5	2		
10	64QAM	1	49	22.42	22.59	22.44				
10	64QAM	25	0	21.28	21.32	21.26				
10	64QAM	25	12	21.29	21.32	21.25	22.5	3		
10	64QAM	25	25	21.21	21.17	21.12				
10	64QAM	50	0	21.35	21.41	21.26				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.52	24.48	24.33	25.5	0		
5	QPSK	1	12	24.36	24.38	24.26				
5	QPSK	1	24	24.36	24.49	24.35				
5	QPSK	12	0	23.26	23.36	23.28	24.5	1		
5	QPSK	12	7	23.28	23.37	23.28				
5	QPSK	12	13	23.30	23.40	23.26				
5	QPSK	25	0	23.27	23.37	23.29	24.5	1		
5	16QAM	1	0	23.52	23.62	23.50				
5	16QAM	1	12	23.42	23.46	23.42				
5	16QAM	1	24	23.44	23.42	23.38	23.5	2		
5	16QAM	12	0	22.47	22.55	22.51				
5	16QAM	12	7	22.48	22.55	22.46				
5	16QAM	12	13	22.31	22.49	22.41	23.5	2		
5	16QAM	25	0	22.27	22.32	22.26				
5	64QAM	1	0	22.54	22.58	22.43				
5	64QAM	1	12	22.41	22.47	22.48	23.5	2		
5	64QAM	1	24	22.42	22.47	22.48				
5	64QAM	12	0	21.27	21.36	21.34				
5	64QAM	12	7	21.30	21.38	21.20	22.5	3		
5	64QAM	12	13	21.22	21.28	21.07				
5	64QAM	25	0	21.36	21.38	21.29				

Band 41 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.49	24.54	24.68	24.63	24.57	25.5	0		
20	QPSK	1	49	24.46	24.49	24.63	24.59	24.52				
20	QPSK	1	99	24.38	24.46	24.56	24.42	24.50				
20	QPSK	50	0	23.42	23.61	23.65	23.61	23.57	24.5	1		
20	QPSK	50	24	23.45	23.54	23.61	23.50	23.50				
20	QPSK	50	50	23.38	23.49	23.53	23.49	23.48				
20	QPSK	100	0	23.42	23.48	23.57	23.46	23.53	24.5	1		
20	16QAM	1	0	23.60	23.69	23.78	23.79	23.79				
20	16QAM	1	49	23.54	23.58	23.72	23.67	23.62				
20	16QAM	1	99	23.55	23.56	23.70	23.58	23.62	23.5	2		
20	16QAM	50	0	22.54	22.64	22.73	22.60	22.69				
20	16QAM	50	24	22.50	22.64	22.68	22.63	22.61				
20	16QAM	50	50	22.47	22.50	22.61	22.54	22.51	23.5	2		
20	16QAM	100	0	22.41	22.40	22.54	22.45	22.49				
20	64QAM	1	0	22.49	22.61	22.70	22.58	22.67				
20	64QAM	1	49	22.42	22.54	22.63	22.51	22.49	23.5	2		
20	64QAM	1	99	22.47	22.58	22.66	22.57	22.55				
20	64QAM	50	0	21.33	21.48	21.57	21.54	21.42				
20	64QAM	50	24	21.48	21.53	21.62	21.54	21.55	22.5	3		
20	64QAM	50	50	21.31	21.44	21.48	21.42	21.41				
20	64QAM	100	0	21.46	21.48	21.60	21.46	21.47				
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	24.36	24.48	24.58	24.52	24.45	26	0		
15	QPSK	1	37	24.40	24.36	24.50	24.52	24.45				
15	QPSK	1	74	24.28	24.39	24.42	24.35	24.41				
15	QPSK	36	0	23.30	23.55	23.52	23.54	23.43	24.5	1		
15	QPSK	36	20	23.30	23.45	23.48	23.46	23.42				
15	QPSK	36	39	23.28	23.41	23.44	23.39	23.43				
15	QPSK	75	0	23.27	23.37	23.51	23.38	23.46	24.5	1		
15	16QAM	1	0	23.56	23.55	23.75	23.62	23.59				
15	16QAM	1	37	23.43	23.44	23.62	23.58	23.57				
15	16QAM	1	74	23.43	23.48	23.64	23.54	23.55	23.5	2		
15	16QAM	36	0	22.44	22.52	22.62	22.48	22.57				
15	16QAM	36	20	22.35	22.53	22.64	22.48	22.57				
15	16QAM	36	39	22.38	22.42	22.54						



Reduced Power Mode for DSI 1

GSM850 Ant0 Default

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM 1 Tx slot	32.83	32.86	32.80	33.50	23.83	23.86	23.80	24.50
GPRS 1 Tx slot	32.74	32.82	32.72	33.50	23.74	23.82	23.72	24.50
GPRS 2 Tx slots	29.33	29.36	29.31	30.00	23.33	23.36	23.31	24.00
GPRS 3 Tx slots	27.54	27.63	27.50	28.50	23.28	23.37	23.24	24.24
GPRS 4 Tx slots	26.38	26.42	26.30	27.50	23.38	23.42	23.30	24.50
EDGE 1 Tx slot	27.07	27.17	27.09	27.50	18.07	18.17	18.09	18.50
EDGE 2 Tx slots	24.31	24.45	24.42	25.00	18.31	18.45	18.42	19.00
EDGE 3 Tx slots	22.51	22.62	22.53	23.50	18.25	18.36	18.27	19.24
EDGE 4 Tx slots	21.47	21.58	21.48	22.50	18.47	18.58	18.48	19.50

GSM1900 Ant0 DSI1

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM 1 Tx slot	29.73	29.78	29.69	30.50	20.73	20.78	20.69	21.50
GPRS 1 Tx slot	28.67	28.72	28.64	30.50	20.67	20.72	20.64	21.50
GPRS 2 Tx slots	26.33	26.40	26.32	26.70	20.33	20.40	20.32	20.70
GPRS 3 Tx slots	24.28	24.40	24.29	25.00	20.02	20.14	20.03	20.74
GPRS 4 Tx slots	23.09	23.18	23.05	24.00	20.09	20.18	20.05	21.00
EDGE 1 Tx slot	26.43	26.47	26.38	26.80	17.43	17.47	17.38	17.80
EDGE 2 Tx slots	23.34	23.27	23.29	24.10	17.34	17.27	17.29	18.10
EDGE 3 Tx slots	21.81	21.86	21.77	23.10	17.55	17.60	17.51	18.84
EDGE 4 Tx slots	20.53	20.61	20.56	21.30	17.53	17.61	17.56	18.30

WCDMA V Ant0 Default

Band TX Channel Frequency (MHz)	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
3GPP Rel 99 AMR 12.2kbps	24.19	24.28	24.24	25.50
3GPP Rel 99 RMC 12.2kbps	24.29	24.36	24.31	25.50
3GPP Rel 6 HSDPA Subtest-1	23.23	23.35	23.35	24.00
3GPP Rel 6 HSDPA Subtest-2	23.19	23.41	23.34	24.00
3GPP Rel 6 HSDPA Subtest-3	22.72	23.01	22.92	23.50
3GPP Rel 6 HSDPA Subtest-4	22.64	22.85	22.74	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.03	23.28	23.16	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	23.19	23.30	23.31	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	22.71	22.94	22.78	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.59	22.83	22.66	23.50
3GPP Rel 6 HSUPA Subtest-1	23.30	23.52	23.50	24.00
3GPP Rel 6 HSUPA Subtest-2	21.28	21.42	21.36	22.00
3GPP Rel 6 HSUPA Subtest-3	22.30	22.57	22.44	23.00
3GPP Rel 6 HSUPA Subtest-4	21.24	21.42	21.31	22.00
3GPP Rel 6 HSUPA Subtest-5	23.29	23.50	23.40	24.00



Band 5 Ant0 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	24.66	24.70	24.61	25.5	0			
10	QPSK	1	25	24.56	24.62	24.48					
10	QPSK	1	49	24.42	24.44	24.39					
10	QPSK	25	0	23.58	23.63	23.50	24.5	1			
10	QPSK	25	12	23.49	23.58	23.49					
10	QPSK	25	25	23.42	23.52	23.46					
10	QPSK	50	0	23.31	23.45	23.37	24.5	1			
10	16QAM	1	0	23.78	23.88	23.75					
10	16QAM	1	25	23.74	23.83	23.74					
10	16QAM	1	49	23.58	23.70	23.61	23.5	2			
10	16QAM	25	0	22.59	22.72	22.57					
10	16QAM	25	12	22.56	22.70	22.65					
10	16QAM	25	25	22.56	22.63	22.57	23.5	2			
10	16QAM	50	0	22.58	22.61	22.47					
10	64QAM	1	0	22.79	22.85	22.75					
10	64QAM	1	25	22.64	22.77	22.71	22.5	3			
10	64QAM	1	49	22.71	22.83	22.71					
10	64QAM	25	0	21.59	21.62	21.55					
10	64QAM	25	12	21.53	21.59	21.50	22.5	3			
10	64QAM	25	25	21.49	21.53	21.49					
10	64QAM	50	0	21.47	21.60	21.52					
Channel				20425	20525	20625					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	24.52	24.64	24.55	25.5	0			
5	QPSK	1	12	24.46	24.58	24.38					
5	QPSK	1	24	24.30	24.39	24.30					
5	QPSK	12	0	23.49	23.52	23.40	24.5	1			
5	QPSK	12	7	23.35	23.50	23.43					
5	QPSK	12	13	23.30	23.41	23.41					
5	QPSK	25	0	23.27	23.30	23.33	24.5	1			
5	16QAM	1	0	23.75	23.74	23.68					
5	16QAM	1	12	23.61	23.76	23.70					
5	16QAM	1	24	23.52	23.58	23.52	23.5	2			
5	16QAM	12	0	22.45	22.64	22.47					
5	16QAM	12	7	22.50	22.59	22.51					
5	16QAM	12	13	22.50	22.58	22.46	23.5	2			
5	16QAM	25	0	22.48	22.49	22.41					
5	64QAM	1	0	22.70	22.73	22.64					
5	64QAM	1	12	22.57	22.63	22.60	22.5	3			
5	64QAM	1	24	22.63	22.71	22.61					
5	64QAM	12	0	21.54	21.52	21.50					
5	64QAM	12	7	21.49	21.47	21.44	22.5	3			
5	64QAM	12	13	21.46	21.38	21.37					
5	64QAM	25	0	21.32	21.58	21.45					
Channel				20415	20525	20635					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	24.55	24.67	24.54	25.5	0			
3	QPSK	1	8	24.50	24.52	24.43					
3	QPSK	1	14	24.38	24.38	24.33					
3	QPSK	8	0	23.45	23.58	23.38	24.5	1			
3	QPSK	8	4	23.48	23.48	23.38					
3	QPSK	8	7	23.30	23.42	23.32					
3	QPSK	15	0	23.19	23.34	23.23	24.5	1			
3	16QAM	1	0	23.72	23.79	23.68					
3	16QAM	1	8	23.69	23.76	23.64					
3	16QAM	1	14	23.52	23.66	23.49	23.5	2			
3	16QAM	8	0	22.50	22.63	22.53					
3	16QAM	8	4	22.43	22.60	22.52					
3	16QAM	8	7	22.53	22.52	22.45	23.5	2			
3	16QAM	15	0	22.52	22.58	22.43					
3	64QAM	1	0	22.67	22.72	22.68					
3	64QAM	1	8	22.52	22.65	22.57	22.5	2			
3	64QAM	1	14	22.63	22.77	22.65					
3	64QAM	8	0	21.55	21.52	21.50					
3	64QAM	8	4	21.41	21.44	21.38	22.5	3			
3	64QAM	8	7	21.36	21.45	21.43					
3	64QAM	15	0	21.39	21.48	21.44					
Channel				20407	20525	20643					
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	24.54	24.64	24.57	25.5	0			
1.4	QPSK	1	3	24.49	24.52	24.38					
1.4	QPSK	1	5	24.38	24.29	24.24					
1.4	QPSK	3	0	24.58	24.57	24.53	24.5	1			
1.4	QPSK	3	1	24.53	24.50	24.38					
1.4	QPSK	3	3	24.34	24.36	24.35					
1.4	QPSK	6	0	23.51	23.60	23.46	24.5	1			
1.4	16QAM	1	0	23.41	23.53	23.39					
1.4	16QAM	1	3	23.39	23.39	23.37					
1.4	16QAM	1	5	23.18	23.37	23.32	24.5	1			
1.4	16QAM	3	0	23.65	23.80	23.64					
1.4	16QAM	3	1	23.60	23.69	23.65					
1.4	16QAM	3	3	23.44	23.58	23.57	23.5	2			
1.4	16QAM	6	0	22.49	22.65	22.50					
1.4	64QAM	1	0	22.48	22.64	22.52					
1.4	64QAM	1	3	22.43	22.59	22.43	23.5	2			
1.4	64QAM	1	5	22.51	22.54	22.34					
1.4	64QAM	3	0	22.67	22.78	22.69					
1.4	64QAM	3	1	22.49	22.74	22.60	22.5	3			
1.4	64QAM	3	3	22.65	22.70	22.67					
1.4	64QAM	6	0	21.51	21.55	21.51					

Band 7 Ant0 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	24.52	24.60	24.48	25.5	0			
20	QPSK	1	49	24.45	24.53	24.34					
20	QPSK	1	99	24.31	24.40	24.27					
20	QPSK	50	0	23.45	23.55	23.40	24.5	1			
20	QPSK	50	24	23.37	23.50	23.37					
20	QPSK	50	50	23.33	23.39	23.35					
20	QPSK	100	0	23.23	23.32	23.26	24.5	1			
20	16QAM	1	0	23.70	23.77	23.65					
20	16QAM	1	49	23.61	23.78	23.69					
20	16QAM	1	99	23.44	23.60	23.55	23.5	2			
20	16QAM	50	0	22.54	22.68	22.46					
20	16QAM	50	24	22.45	22.64	22.51					
20	16QAM	50	50	22.52	22.52	22.52	23.5	2			
20	16QAM	100	0	22.54	22.47	22.34					
20	64QAM	1	0	22.73	22.74	22.64					
20	64QAM	1	49	22.55	22.62	22.66	23.5	2			
20	64QAM	1	99	22.68	22.74	22.60					
20	64QAM	50	0	21.55	21.49	21.51					
20	64QAM	50	24	21.41	21.48	21.42	22.5	3			
20	64QAM	50	50	21.40	21.43	21.45					
20	64QAM	100	0	21.35	21.52	21.45					
Channel				20825	21100	21375					
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	24.44	24.53	24.36	25.5	0			
15	QPSK	1	37	24.34	24.39	24.27					
15	QPSK	1	74	24.21	24.27	24.21					
15	QPSK	36	0	23.31	23.48	23.29	24.5	1			
15	QPSK	36	20	23.33	23.47	23.34					
15	QPSK	36	39	23.27	23.32	23.24					
15	QPSK	75	0	23.18	23.26	23.20	24.5	1			
15	16QAM	1	0	23.60	23.66	23.52					
15	16QAM	1	37	23.54	23.68	23.61					
15	16QAM	1	74	23.30	23.51	23.47	23.5	2			
15	16QAM	36	0	22.49	22.61	22.37					
15	16QAM	36	20	22.42	22.51	22.43					
15	16QAM	36	39	22.47	22.44	22.47	23.5	2			
15	16QAM	75	0	22.47	22.40	22.25					
15	64QAM	1	0	22.66	22.62	22.51					
15	64QAM	1	37	22.41	22.55	22.61	23.5	2			
15	64QAM	1	74	22.63	22.66	22.48					
15	64QAM	36	0	21.51	21.37	21.38					
15	64QAM	36	20	21.35	21.						



Band 38 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.68	24.70	24.61	25.5	0		
20	QPSK	1	49	24.59	24.61	24.48				
20	QPSK	1	99	24.38	24.46	24.43				
20	QPSK	50	0	23.53	23.59	23.57	24.5	1		
20	QPSK	50	24	23.51	23.56	23.55				
20	QPSK	50	50	23.39	23.49	23.44				
20	QPSK	100	0	23.31	23.49	23.44	24.5	1		
20	16QAM	1	0	23.83	23.85	23.81				
20	16QAM	1	49	23.79	23.85	23.69				
20	16QAM	1	99	23.54	23.65	23.59	23.5	2		
20	16QAM	50	0	22.65	22.78	22.64				
20	16QAM	50	24	22.57	22.67	22.63				
20	16QAM	50	50	22.60	22.64	22.63	23.5	2		
20	16QAM	100	0	22.56	22.64	22.49				
20	64QAM	1	0	22.81	22.88	22.78				
20	64QAM	1	49	22.70	22.84	22.72	23.5	2		
20	64QAM	1	99	22.70	22.89	22.76				
20	64QAM	50	0	21.65	21.66	21.57				
20	64QAM	50	24	21.57	21.55	21.55	22.5	3		
20	64QAM	50	50	21.56	21.54	21.45				
20	64QAM	100	0	21.54	21.59	21.48				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.61	24.63	24.55	25.5	0		
15	QPSK	1	37	24.46	24.54	24.34				
15	QPSK	1	74	24.29	24.38	24.37				
15	QPSK	36	0	23.39	23.52	23.51	24.5	1		
15	QPSK	36	20	23.46	23.44	23.47				
15	QPSK	36	39	23.30	23.40	23.47				
15	QPSK	75	0	23.27	23.42	23.31	24.5	1		
15	16QAM	1	0	23.78	23.72	23.78				
15	16QAM	1	37	23.74	23.74	23.63				
15	16QAM	1	74	23.44	23.54	23.53	23.5	2		
15	16QAM	36	0	22.52	22.74	22.54				
15	16QAM	36	20	22.44	22.57	22.54				
15	16QAM	36	39	22.56	22.57	22.57	23.5	2		
15	16QAM	75	0	22.46	22.52	22.39				
15	64QAM	1	0	22.74	22.76	22.74				
15	64QAM	1	37	22.56	22.75	22.84	23.5	2		
15	64QAM	1	74	22.57	22.82	22.70				
15	64QAM	36	0	21.61	21.55	21.51				
15	64QAM	36	20	21.50	21.46	21.46	22.5	3		
15	64QAM	36	39	21.53	21.40	21.41				
15	64QAM	75	0	21.43	21.45	21.35				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.56	24.58	24.53	25.5	0		
10	QPSK	1	25	24.55	24.50	24.39				
10	QPSK	1	49	24.29	24.36	24.33				
10	QPSK	25	0	23.39	23.47	23.47	24.5	1		
10	QPSK	25	12	23.36	23.51	23.42				
10	QPSK	25	25	23.30	23.45	23.34				
10	QPSK	50	0	23.24	23.37	23.36	24.5	1		
10	16QAM	1	0	23.74	23.74	23.67				
10	16QAM	1	25	23.67	23.72	23.59				
10	16QAM	1	49	23.41	23.55	23.55	23.5	2		
10	16QAM	25	0	22.55	22.74	22.51				
10	16QAM	25	12	22.53	22.56	22.59				
10	16QAM	25	25	22.53	22.58	22.51	23.5	2		
10	16QAM	50	0	22.49	22.60	22.35				
10	64QAM	1	0	22.75	22.78	22.75				
10	64QAM	1	25	22.65	22.77	22.58	23.5	2		
10	64QAM	1	49	22.63	22.76	22.71				
10	64QAM	25	0	21.57	21.61	21.48				
10	64QAM	25	12	21.45	21.44	21.46	22.5	3		
10	64QAM	25	25	21.50	21.49	21.40				
10	64QAM	50	0	21.44	21.55	21.40				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.58	24.65	24.52	25.5	0		
5	QPSK	1	12	24.54	24.47	24.42				
5	QPSK	1	24	24.32	24.41	24.33				
5	QPSK	12	0	23.46	23.47	23.45	24.5	1		
5	QPSK	12	7	23.48	23.48	23.44				
5	QPSK	12	13	23.30	23.37	23.33				
5	QPSK	25	0	23.28	23.43	23.35	24.5	1		
5	16QAM	1	0	23.74	23.82	23.76				
5	16QAM	1	12	23.70	23.81	23.63				
5	16QAM	1	24	23.43	23.56	23.55	23.5	2		
5	16QAM	12	0	22.56	22.63	22.51				
5	16QAM	12	7	22.50	22.57	22.48				
5	16QAM	12	13	22.45	22.56	22.59	23.5	2		
5	16QAM	25	0	22.47	22.51	22.44				
5	64QAM	1	0	22.77	22.83	22.68				
5	64QAM	1	12	22.55	22.79	22.69	23.5	2		
5	64QAM	1	24	22.64	22.78	22.61				
5	64QAM	12	0	21.59	21.56	21.44				
5	64QAM	12	7	21.63	21.50	21.46	22.5	3		
5	64QAM	12	13	21.53	21.46	21.33				
5	64QAM	25	0	21.40	21.48	21.45				

Band 41 Ant0 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.55	24.70	24.73	24.68	24.63	25.5	0		
20	QPSK	1	49	24.41	24.64	24.69	24.53	24.50				
20	QPSK	1	99	24.36	24.38	24.48	24.42	24.38				
20	QPSK	50	0	23.48	23.61	23.67	23.57	23.50	24.5	1		
20	QPSK	50	24	23.50	23.52	23.58	23.58	23.47				
20	QPSK	50	50	23.45	23.44	23.55	23.50	23.37				
20	QPSK	100	0	23.32	23.33	23.52	23.47	23.35	24.5	1		
20	16QAM	1	0	23.72	23.89	23.90	23.83	23.75				
20	16QAM	1	49	23.68	23.79	23.85	23.72	23.66				
20	16QAM	1	99	23.60	23.62	23.68	23.60	23.55	23.5	2		
20	16QAM	50	0	22.29	22.36	22.43	22.40	22.29				
20	16QAM	50	24	22.08	22.14	22.17	22.16	22.12				
20	16QAM	50	50	22.13	22.19	22.14	22.16	22.17	23.5	2		
20	16QAM	100	0	21.99	22.02	22.19	22.06	21.92				
20	64QAM	1	0	22.23	22.35	22.39	22.34	22.26				
20	64QAM	1	49	22.02	22.24	22.25	22.17	22.07	23.5	2		
20	64QAM	1	99	22.13	22.16	22.30	22.26	22.22				
20	64QAM	50	0	21.29	21.50	21.46	21.37	21.33				
20	64QAM	50	24	21.26	21.42	21.34	21.31	21.24	22.5	3		
20	64QAM	50	50	21.21	21.40	21.31	21.28	21.21				
20	64QAM	100	0	21.21	21.30	21.37	21.32	21.26				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2692.5				
15	QPSK	1	0	24.43	24.60	24.66	24.54	24.53	26	0		
15	QPSK	1	37	24.29	24.53	24.60	24.49	24.37				
15	QPSK	1	74	24.31	24.32	24.40	24.30	24.25				
15	QPSK	36	0	23.38	23.51	23.56	23.54	23.43	24.5	1		
15	QPSK	36	20	23.47	23.43	23.48	23.55	23.35				
15	QPSK	36	39	23.35	23.35	23.46	23.43	23.28				
15	QPSK	75	0	23.27	23.18	23.45	23.41	23.22	24.5	1		
15	16QAM	1	0	23.59	23.77	23.83	23.79	23.64				
15	16QAM	1	37	23.59	23.69	23.76	23.61	23.59				
15	16QAM	1	74	23.50	23.56	23.65	23.48	23.41	23.5	2		
15	16QAM	36	0	22.23	22.28	22.36	22.28	22.18				
15	16QAM	36	20	21.94	22.04	22.05	22.12	22.08				
15	16QAM	36	39	22.07	22.11	22.01						



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)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot	32.73	32.78	32.70	33.50	23.73	23.78	23.70	24.50
GPRS 1 Tx slot	32.59	32.73	32.66	33.50	23.59	23.73	23.66	24.50
GPRS 2 Tx slots	29.26	29.32	29.20	30.00	23.26	23.32	23.20	24.00
GPRS 3 Tx slots	27.74	27.80	27.72	28.50	23.48	23.54	23.46	24.24
GPRS 4 Tx slots	26.52	26.61	26.47	27.50	23.52	23.61	23.47	24.50
EDGE 1 Tx slot	27.07	27.16	27.04	27.50	18.07	18.16	18.04	18.50
EDGE 2 Tx slots	24.43	24.54	24.46	25.00	18.43	18.54	18.46	19.00
EDGE 3 Tx slots	22.70	22.80	22.68	23.50	18.44	18.54	18.42	19.24
EDGE 4 Tx slots	21.40	21.55	21.41	22.50	18.40	18.55	18.41	19.50

GSM1900 Ant1 DS11

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	26.50	1850.2	1880	1909.8	17.50
GSM 1 Tx slot	25.99	26.04	25.95	26.50	16.99	17.04	16.95	17.50
GPRS 1 Tx slot	25.94	25.96	25.88	26.50	16.94	16.96	16.88	17.50
GPRS 2 Tx slots	22.57	22.62	22.50	23.00	16.57	16.62	16.50	17.00
GPRS 3 Tx slots	20.97	21.06	20.91	21.50	16.71	16.80	16.65	17.24
GPRS 4 Tx slots	19.88	19.95	19.82	20.50	16.88	16.95	16.80	17.50
EDGE 1 Tx slot	26.23	26.32	26.20	26.50	17.23	17.32	17.20	17.50
EDGE 2 Tx slots	22.58	22.71	22.55	23.00	16.58	16.71	16.55	17.00
EDGE 3 Tx slots	21.04	21.06	21.04	21.50	16.78	16.80	16.78	17.24
EDGE 4 Tx slots	19.80	19.85	19.82	20.50	16.80	16.85	16.82	17.50

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.45	24.56	24.42	25.50
3GPP Rel 99 AMR 12.2Kbps	24.51	24.57	24.46	25.50
3GPP Rel 6 HSDPA Subtest-1	23.50	23.53	23.39	24.00
3GPP Rel 6 HSDPA Subtest-2	23.53	23.62	23.50	24.00
3GPP Rel 6 HSDPA Subtest-3	22.89	23.15	22.83	23.50
3GPP Rel 6 HSDPA Subtest-4	23.02	22.97	22.93	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.36	23.44	23.32	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.40	23.44	23.38	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.85	23.06	22.66	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.96	22.84	22.85	23.50
3GPP Rel 6 HSUPA Subtest-1	23.72	23.79	23.42	24.00
3GPP Rel 6 HSUPA Subtest-2	21.56	21.63	21.43	22.00
3GPP Rel 6 HSUPA Subtest-3	22.52	22.67	22.58	23.00
3GPP Rel 6 HSUPA Subtest-4	21.51	21.62	21.57	22.00
3GPP Rel 6 HSUPA Subtest-5	23.53	23.59	23.33	24.00



Band 5 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.76	24.79	24.70	25.5	0		
10	QPSK	1	25	24.65	24.75	24.62				
10	QPSK	1	49	24.57	24.59	24.47				
10	QPSK	25	0	23.64	23.73	23.67	24.5	1		
10	QPSK	25	12	23.62	23.66	23.58				
10	QPSK	25	25	23.52	23.67	23.60				
10	QPSK	50	0	23.43	23.52	23.43	24.5	1		
10	16QAM	1	0	23.89	23.97	23.92				
10	16QAM	1	25	23.83	23.91	23.82				
10	16QAM	1	49	23.68	23.80	23.71	23.5	2		
10	16QAM	25	0	22.68	22.70	22.69				
10	16QAM	25	12	22.72	22.84	22.81				
10	16QAM	25	25	22.62	22.74	22.70	23.5	2		
10	16QAM	50	0	22.73	22.70	22.62				
10	64QAM	1	0	22.94	22.93	22.83				
10	64QAM	1	25	22.74	22.86	22.88	22.5	3		
10	64QAM	1	49	22.86	22.90	22.77				
10	64QAM	25	0	21.72	21.74	21.66				
10	64QAM	25	12	21.68	21.69	21.62	22.5	3		
10	64QAM	25	25	21.59	21.64	21.56				
10	64QAM	50	0	21.53	21.71	21.66				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.69	24.73	24.65	25.5	0		
5	QPSK	1	12	24.58	24.63	24.57				
5	QPSK	1	24	24.51	24.46	24.43				
5	QPSK	12	0	23.56	23.68	23.61	24.5	1		
5	QPSK	12	7	23.57	23.57	23.46				
5	QPSK	12	13	23.40	23.53	23.47				
5	QPSK	25	0	23.38	23.45	23.33	24.5	1		
5	16QAM	1	0	23.84	23.94	23.79				
5	16QAM	1	12	23.79	23.82	23.69				
5	16QAM	1	24	23.64	23.76	23.58	23.5	2		
5	16QAM	12	0	22.63	22.66	22.65				
5	16QAM	12	7	22.67	22.74	22.76				
5	16QAM	12	13	22.49	22.60	22.66	23.5	2		
5	16QAM	25	0	22.69	22.64	22.50				
5	64QAM	1	0	22.85	22.85	22.72				
5	64QAM	1	12	22.63	22.78	22.77	22.5	3		
5	64QAM	1	24	22.83	22.83	22.69				
5	64QAM	12	0	21.68	21.61	21.56				
5	64QAM	12	7	21.62	21.65	21.47	22.5	3		
5	64QAM	12	13	21.46	21.51	21.47				
5	64QAM	25	0	21.39	21.59	21.56				
Channel				20416	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.61	24.71	24.61	25.5	0		
3	QPSK	1	8	24.60	24.62	24.56				
3	QPSK	1	14	24.52	24.45	24.44				
3	QPSK	8	0	23.54	23.66	23.52	24.5	1		
3	QPSK	8	4	23.54	23.52	23.49				
3	QPSK	8	7	23.41	23.54	23.53				
3	QPSK	15	0	23.28	23.47	23.37	24.5	1		
3	16QAM	1	0	23.79	23.85	23.83				
3	16QAM	1	8	23.72	23.78	23.74				
3	16QAM	1	14	23.54	23.72	23.59	23.5	2		
3	16QAM	8	0	22.53	22.56	22.57				
3	16QAM	8	4	22.61	22.72	22.72				
3	16QAM	8	7	22.58	22.68	22.62	23.5	2		
3	16QAM	15	0	22.65	22.64	22.50				
3	64QAM	1	0	22.87	22.88	22.76				
3	64QAM	1	8	22.64	22.76	22.77	23.5	2		
3	64QAM	1	14	22.75	22.76	22.63				
3	64QAM	8	0	21.58	21.70	21.60				
3	64QAM	8	4	21.53	21.57	21.52	22.5	3		
3	64QAM	8	7	21.45	21.53	21.50				
3	64QAM	15	0	21.38	21.56	21.61				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.67	24.70	24.65	25.5	0		
1.4	QPSK	1	3	24.65	24.62	24.53				
1.4	QPSK	1	5	24.44	24.41	24.33				
1.4	QPSK	3	0	24.66	24.70	24.70	24.5	1		
1.4	QPSK	3	1	24.59	24.64	24.48				
1.4	QPSK	3	3	24.48	24.49	24.43				
1.4	QPSK	6	0	23.56	23.68	23.52	24.5	1		
1.4	16QAM	1	0	23.51	23.70	23.54				
1.4	16QAM	1	3	23.48	23.55	23.45				
1.4	16QAM	1	5	23.32	23.47	23.49	24.5	1		
1.4	16QAM	3	0	23.81	23.89	23.73				
1.4	16QAM	3	1	23.76	23.83	23.70				
1.4	16QAM	3	3	23.59	23.70	23.65	23.5	2		
1.4	16QAM	6	0	22.65	22.71	22.55				
1.4	64QAM	1	0	22.61	22.80	22.63				
1.4	64QAM	1	3	22.54	22.74	22.52	23.5	2		
1.4	64QAM	1	5	22.64	22.64	22.44				
1.4	64QAM	3	0	22.73	22.85	22.78				
1.4	64QAM	3	1	22.65	22.80	22.76	22.5	3		
1.4	64QAM	3	3	22.74	22.76	22.76				
1.4	64QAM	6	0	21.59	21.69	21.66				

Band 7 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.16	16.26	16.22	17	0		
20	QPSK	1	49	16.07	16.14	16.02				
20	QPSK	1	99	16.06	16.11	16.07				
20	QPSK	50	0	16.10	16.21	16.16	17	0		
20	QPSK	50	24	16.08	16.12	16.05				
20	QPSK	50	50	16.13	16.16	16.02				
20	QPSK	100	0	16.14	16.23	16.16	17	0		
20	16QAM	1	0	16.07	16.19	16.05				
20	16QAM	1	49	15.97	16.09	16.03				
20	16QAM	1	99	16.11	16.20	16.15	17	0		
20	16QAM	50	0	16.03	16.14	16.03				
20	16QAM	50	24	16.05	16.17	16.01				
20	16QAM	50	50	16.06	16.15	15.99	17	0		
20	16QAM	100	0	15.98	16.11	16.01				
20	64QAM	1	0	16.04	16.13	16.02				
20	64QAM	1	49	16.02	16.10	16.01	17	0		
20	64QAM	1	99	15.95	16.12	16.02				
20	64QAM	50	0	16.11	16.17	16.04				
20	64QAM	50	24	15.97	16.13	16.00	17	0		
20	64QAM	50	50	15.96	16.12	16.07				
20	64QAM	100	0	15.89	16.04	15.91				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	16.11	16.12	16.08	17	0		
15	QPSK	1	37	16.01	16.05	15.90				
15	QPSK	1	74	15.95	15.97	15.95				
15	QPSK	36	0	15.96	16.10	16.09	17	0		
15	QPSK	36	20	15.98	16.03	15.92				
15	QPSK	36	39	16.09	16.03	15.91				
15	QPSK	75	0	16.04	16.17	16.02	17	0		
15	16QAM	1	0	15.94	16.13	15.92				
15	16QAM	1	37	15.92	16.02	15.90				
15	16QAM	1	74	16.02	16.13	16.12	17	0		
15	16QAM	36	0	15.88	16.08	15.95				
15	16QAM	36	20	15.91	16.12	15.93				
15	16QAM	36	39	16.01	16.01	15.88	17	0		
15	16QAM	75	0	15.93	16.05	15.95				
15	64QAM	1	0	15.93	16.03	15.96				
15	64QAM	1	37	15.95	16.01	15.97	17	0		
15	64QAM	1	74	15.90	16.04	15.96				
15	64QAM	36	0	16.05	16.14	15.99				
15	64QAM	36	20	15.85	16.00	15.89	17	0		
15	64QAM	36	39	15.88	16.01	15.92				
15	64QAM	75	0	15.81	15.91	15.86				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				



Band 38 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	17.13	17.20	17.13	18	0		
20	QPSK	1	49	16.96	17.04	16.95				
20	QPSK	1	99	17.07	17.12	16.99				
20	QPSK	50	0	16.97	17.12	17.08	18	0		
20	QPSK	50	24	16.99	17.08	17.00				
20	QPSK	50	50	16.97	17.10	16.94				
20	QPSK	100	0	17.00	17.06	16.93	18	0		
20	16QAM	1	0	16.96	17.04	16.91				
20	16QAM	1	49	17.06	17.14	17.04				
20	16QAM	1	99	17.07	17.09	17.00	18	0		
20	16QAM	50	0	16.98	17.07	16.95				
20	16QAM	50	24	17.12	17.17	17.10				
20	16QAM	50	50	17.10	17.17	17.12	18	0		
20	16QAM	100	0	17.09	17.17	17.10				
20	64QAM	1	0	17.08	17.12	17.02				
20	64QAM	1	49	17.05	17.10	17.05	18	0		
20	64QAM	1	99	17.07	17.12	17.01				
20	64QAM	50	0	16.92	17.07	17.00				
20	64QAM	50	24	17.00	17.05	16.97	18	0		
20	64QAM	50	50	16.99	17.15	17.11				
20	64QAM	100	0	16.87	16.94	16.79				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	16.99	17.07	17.10	18	0		
15	QPSK	1	37	16.83	16.91	16.83				
15	QPSK	1	74	16.97	16.99	16.90				
15	QPSK	36	0	16.94	16.95	16.97	18	0		
15	QPSK	36	20	16.89	16.92	16.92				
15	QPSK	36	39	16.82	17.05	16.80				
15	QPSK	75	0	16.85	16.91	16.77	18	0		
15	16QAM	1	0	16.89	16.98	16.82				
15	16QAM	1	37	16.94	17.01	16.97				
15	16QAM	1	74	17.05	16.93	16.89	18	0		
15	16QAM	36	0	16.89	17.00	16.82				
15	16QAM	36	20	16.98	17.13	17.00				
15	16QAM	36	39	17.01	17.08	16.96	18	0		
15	16QAM	75	0	16.93	17.13	17.05				
15	64QAM	1	0	17.05	17.05	16.95				
15	64QAM	1	37	16.90	16.98	17.03	18	0		
15	64QAM	1	74	16.94	17.09	16.88				
15	64QAM	36	0	16.85	16.96	16.90				
15	64QAM	36	20	16.94	16.88	16.82	18	0		
15	64QAM	36	39	16.92	17.11	17.01				
15	64QAM	75	0	16.78	16.89	16.74				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	17.01	17.08	17.01	18	0		
10	QPSK	1	25	16.86	16.90	16.85				
10	QPSK	1	49	17.04	16.96	16.83				
10	QPSK	25	0	16.86	17.03	16.97	18	0		
10	QPSK	25	12	16.87	17.06	16.96				
10	QPSK	25	25	16.80	16.98	16.85				
10	QPSK	50	0	16.86	16.92	16.89	18	0		
10	16QAM	1	0	16.86	16.96	16.85				
10	16QAM	1	25	16.95	17.05	17.02				
10	16QAM	1	49	17.01	17.00	16.97	18	0		
10	16QAM	25	0	16.94	16.91	16.83				
10	16QAM	25	12	16.99	17.04	17.07				
10	16QAM	25	25	17.03	17.03	17.10	18	0		
10	16QAM	50	0	16.92	17.00	16.97				
10	64QAM	1	0	16.95	17.06	16.85				
10	64QAM	1	25	16.98	17.02	17.00	18	0		
10	64QAM	1	49	16.92	17.02	16.90				
10	64QAM	25	0	16.86	16.93	16.94				
10	64QAM	25	12	16.92	16.91	16.80	18	0		
10	64QAM	25	25	16.83	16.98	17.07				
10	64QAM	50	0	16.71	16.91	16.70				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	16.99	17.15	16.97	18	0		
5	QPSK	1	12	16.86	17.01	16.80				
5	QPSK	1	24	17.01	17.02	16.91				
5	QPSK	12	0	16.83	17.08	17.01	18	0		
5	QPSK	12	7	16.85	17.01	16.87				
5	QPSK	12	13	16.81	17.04	16.78				
5	QPSK	25	0	16.92	16.98	16.77	18	0		
5	16QAM	1	0	16.84	16.90	16.77				
5	16QAM	1	12	16.96	17.10	16.93				
5	16QAM	1	24	17.01	16.98	16.97	18	0		
5	16QAM	12	0	16.90	16.96	16.83				
5	16QAM	12	7	17.02	17.13	17.01				
5	16QAM	12	13	17.05	17.07	16.97	18	0		
5	16QAM	25	0	17.04	17.03	17.08				
5	64QAM	1	0	16.95	17.07	16.94				
5	64QAM	1	12	17.03	16.96	16.98	18	0		
5	64QAM	1	24	16.96	17.05	16.89				
5	64QAM	12	0	16.83	16.90	16.89				
5	64QAM	12	7	16.97	17.01	16.94	18	0		
5	64QAM	12	13	16.91	17.02	17.03				
5	64QAM	25	0	16.72	16.79	16.70				

Band 41 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	16.97	17.10	17.27	17.24	17.18	18	0		
20	QPSK	1	49	16.91	17.06	17.19	17.06	17.07				
20	QPSK	1	99	16.90	16.95	17.11	16.95	17.00				
20	QPSK	50	0	16.92	16.97	17.21	17.12	17.08	18	0		
20	QPSK	50	24	16.86	16.93	17.18	17.10	17.03				
20	QPSK	50	50	16.88	17.00	17.17	17.15	17.07				
20	QPSK	100	0	16.98	17.04	17.25	17.12	17.11	18	0		
20	16QAM	1	0	16.93	17.02	17.23	17.10	17.13				
20	16QAM	1	49	16.96	16.95	17.22	17.09	17.15				
20	16QAM	1	99	16.88	16.91	17.10	17.02	17.04	18	0		
20	16QAM	50	0	16.87	17.03	17.19	17.11	17.09				
20	16QAM	50	24	16.97	17.00	17.22	17.16	17.15				
20	16QAM	50	50	16.89	17.09	17.24	17.09	17.13	18	0		
20	16QAM	100	0	16.86	16.99	17.14	17.08	17.04				
20	64QAM	1	0	16.84	16.96	17.11	17.05	17.03				
20	64QAM	1	49	16.91	17.02	17.18	17.02	17.11	18	0		
20	64QAM	1	99	16.89	17.02	17.23	17.19	17.13				
20	64QAM	50	0	16.82	16.95	17.14	17.12	17.09				
20	64QAM	50	24	16.93	16.95	17.21	17.13	17.19	18	0		
20	64QAM	50	50	16.92	17.01	17.19	17.09	17.14				
20	64QAM	100	0	16.88	16.86	17.12	17.10	16.98				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2593	2637.3	2692.5				
15	QPSK	1	0	16.84	17.01	17.10	17.19	17.13	18	0		
15	QPSK	1	37	16.85	16.91	17.11	16.89	17.00				
15	QPSK	1	74	16.80	16.80	17.01	16.90	16.88				
15	QPSK	36	0	16.78	16.85	17.16	16.98	16.97	18	0		
15	QPSK	36	20	16.73	16.83	17.16	17.02	17.00				
15	QPSK	36	39	16.86	16.84	17.04	17.04	17.00				
15	QPSK	75	0	16.85	16.90	17.14	16.96	17.03	18	0		
15	16QAM	1	0	16.85	16.85	17.10	17.07	17.01				
15	16QAM	1	37	16.84	16.90	17.06	16.94	17.05				
15	16QAM	1	74	16.76	16.84	17.04	16.98	17.02	18	0		
15	16QAM	36	0	16.79	16.93	17.15	16.98	17.04				
15	16QAM	36	20	16.83	16.97	17.19	16.99	17.01				
15	16QAM	36	39	16.83	16.95	17.17	17.04	16.97	18	0		
15	16QAM	75	0									



Reduced Power Mode for DSI 2

GSM850 Ant0 Default

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM 1 Tx slot	32.83	32.86	32.80	33.50	23.83	23.86	23.80	24.50
GPRS 1 Tx slot	32.74	32.82	32.72	33.50	23.74	23.82	23.72	24.50
GPRS 2 Tx slots	29.33	29.36	29.31	30.00	23.33	23.36	23.31	24.00
GPRS 3 Tx slots	27.54	27.63	27.50	28.50	23.28	23.37	23.24	24.24
GPRS 4 Tx slots	26.38	26.42	26.30	27.50	23.38	23.42	23.30	24.50
EDGE 1 Tx slot	27.07	27.17	27.09	27.50	18.07	18.17	18.09	18.50
EDGE 2 Tx slots	24.31	24.45	24.42	25.00	18.31	18.45	18.42	19.00
EDGE 3 Tx slots	22.51	22.62	22.53	23.50	18.25	18.36	18.27	19.24
EDGE 4 Tx slots	21.47	21.58	21.48	22.50	18.47	18.58	18.48	19.50

GSM1900 Ant0 Default

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM 1 Tx slot	29.73	29.78	29.69	30.50	20.73	20.78	20.69	21.50
GPRS 1 Tx slot	28.67	28.72	28.64	30.50	20.67	20.72	20.64	21.50
GPRS 2 Tx slots	26.33	26.40	26.32	26.70	20.33	20.40	20.32	20.70
GPRS 3 Tx slots	24.28	24.40	24.29	25.00	20.02	20.14	20.03	20.74
GPRS 4 Tx slots	23.09	23.18	23.05	24.00	20.09	20.18	20.05	21.00
EDGE 1 Tx slot	26.43	26.47	26.38	26.80	17.43	17.47	17.38	17.80
EDGE 2 Tx slots	23.34	23.27	23.29	24.10	17.34	17.27	17.29	18.10
EDGE 3 Tx slots	21.81	21.86	21.77	23.10	17.55	17.60	17.51	18.84
EDGE 4 Tx slots	20.53	20.61	20.56	21.30	17.53	17.61	17.56	18.30

WCDMA V Ant0 Default

Band TX Channel Frequency (MHz)	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
3GPP Rel 99 AMR 12.2kbps	24.19	24.28	24.24	25.50
3GPP Rel 99 RMC 12.2kbps	24.29	24.36	24.31	25.50
3GPP Rel 6 HSDPA Subtest-1	23.23	23.35	23.35	24.00
3GPP Rel 6 HSDPA Subtest-2	23.19	23.41	23.34	24.00
3GPP Rel 6 HSDPA Subtest-3	22.72	23.01	22.92	23.50
3GPP Rel 6 HSDPA Subtest-4	22.64	22.85	22.74	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.03	23.28	23.16	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	23.19	23.30	23.31	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	22.71	22.94	22.78	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.59	22.83	22.66	23.50
3GPP Rel 6 HSUPA Subtest-1	23.30	23.52	23.50	24.00
3GPP Rel 6 HSUPA Subtest-2	21.28	21.42	21.36	22.00
3GPP Rel 6 HSUPA Subtest-3	22.30	22.57	22.44	23.00
3GPP Rel 6 HSUPA Subtest-4	21.24	21.42	21.31	22.00
3GPP Rel 6 HSUPA Subtest-5	23.29	23.50	23.40	24.00



Band 5 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.66	24.70	24.61	25.5	0		
10	QPSK	1	25	24.56	24.62	24.48				
10	QPSK	1	49	24.42	24.44	24.39				
10	QPSK	25	0	23.58	23.63	23.50	24.5	1		
10	QPSK	25	12	23.49	23.58	23.49				
10	QPSK	25	25	23.42	23.52	23.46				
10	QPSK	50	0	23.31	23.45	23.37	24.5	1		
10	16QAM	1	0	23.78	23.88	23.75				
10	16QAM	1	25	23.74	23.83	23.74				
10	16QAM	1	49	23.58	23.70	23.61	23.5	2		
10	16QAM	25	0	22.59	22.72	22.57				
10	16QAM	25	12	22.56	22.70	22.65				
10	16QAM	25	25	22.56	22.63	22.57	23.5	2		
10	16QAM	50	0	22.58	22.61	22.47				
10	64QAM	1	0	22.79	22.85	22.75				
10	64QAM	1	25	22.64	22.77	22.71	22.5	3		
10	64QAM	1	49	22.71	22.83	22.71				
10	64QAM	25	0	21.59	21.62	21.55				
10	64QAM	25	12	21.53	21.59	21.50	22.5	3		
10	64QAM	25	25	21.49	21.53	21.49				
10	64QAM	50	0	21.47	21.60	21.52				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.52	24.64	24.55	25.5	0		
5	QPSK	1	12	24.46	24.58	24.38				
5	QPSK	1	24	24.30	24.39	24.30				
5	QPSK	12	0	23.49	23.52	23.40	24.5	1		
5	QPSK	12	7	23.35	23.50	23.43				
5	QPSK	12	13	23.30	23.41	23.41				
5	QPSK	25	0	23.27	23.30	23.33	24.5	1		
5	16QAM	1	0	23.75	23.74	23.68				
5	16QAM	1	12	23.61	23.76	23.70				
5	16QAM	1	24	23.52	23.58	23.52	23.5	2		
5	16QAM	12	0	22.45	22.64	22.47				
5	16QAM	12	7	22.50	22.59	22.51				
5	16QAM	12	13	22.50	22.58	22.46	23.5	2		
5	16QAM	25	0	22.48	22.49	22.41				
5	64QAM	1	0	22.70	22.73	22.64				
5	64QAM	1	12	22.57	22.63	22.60	22.5	3		
5	64QAM	1	24	22.63	22.71	22.61				
5	64QAM	12	0	21.54	21.52	21.50				
5	64QAM	12	7	21.49	21.47	21.44	22.5	3		
5	64QAM	12	13	21.46	21.38	21.37				
5	64QAM	25	0	21.32	21.55	21.45				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.55	24.67	24.54	25.5	0		
3	QPSK	1	8	24.50	24.52	24.43				
3	QPSK	1	14	24.38	24.38	24.33				
3	QPSK	8	0	23.45	23.58	23.38	24.5	1		
3	QPSK	8	4	23.46	23.48	23.38				
3	QPSK	8	7	23.30	23.42	23.32				
3	QPSK	15	0	23.19	23.34	23.23	24.5	1		
3	16QAM	1	0	23.72	23.79	23.68				
3	16QAM	1	8	23.69	23.76	23.64				
3	16QAM	1	14	23.52	23.66	23.49	23.5	2		
3	16QAM	8	0	22.50	22.63	22.53				
3	16QAM	8	4	22.43	22.60	22.52				
3	16QAM	8	7	22.53	22.52	22.45	23.5	2		
3	16QAM	15	0	22.52	22.58	22.43				
3	64QAM	1	0	22.67	22.72	22.68				
3	64QAM	1	8	22.52	22.65	22.57	22.5	3		
3	64QAM	1	14	22.63	22.77	22.65				
3	64QAM	8	0	21.55	21.52	21.50				
3	64QAM	8	4	21.41	21.44	21.38	22.5	3		
3	64QAM	8	7	21.36	21.45	21.43				
3	64QAM	15	0	21.39	21.48	21.44				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.54	24.64	24.57	25.5	0		
1.4	QPSK	1	3	24.49	24.52	24.38				
1.4	QPSK	1	5	24.38	24.29	24.24				
1.4	QPSK	3	0	24.58	24.57	24.53	24.5	1		
1.4	QPSK	3	1	24.53	24.50	24.38				
1.4	QPSK	3	3	24.34	24.36	24.35				
1.4	QPSK	6	0	23.51	23.60	23.46	24.5	1		
1.4	16QAM	1	0	23.41	23.53	23.39				
1.4	16QAM	1	3	23.39	23.39	23.37				
1.4	16QAM	1	5	23.18	23.37	23.32	24.5	1		
1.4	16QAM	3	0	23.65	23.80	23.64				
1.4	16QAM	3	1	23.60	23.69	23.65				
1.4	16QAM	3	3	23.44	23.58	23.57	23.5	2		
1.4	16QAM	6	0	22.49	22.65	22.50				
1.4	64QAM	1	0	22.48	22.64	22.52				
1.4	64QAM	1	3	22.43	22.59	22.43	23.5	2		
1.4	64QAM	1	5	22.51	22.54	22.34				
1.4	64QAM	3	0	22.67	22.78	22.69				
1.4	64QAM	3	1	22.49	22.74	22.60	22.5	3		
1.4	64QAM	3	3	22.65	22.70	22.67				
1.4	64QAM	6	0	21.51	21.55	21.51				

Band 7 Ant0 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	23.14	23.29	23.21	24	0		
20	QPSK	1	49	23.20	23.27	23.15				
20	QPSK	1	99	23.12	23.18	23.10				
20	QPSK	50	0	23.13	23.20	23.14	24	0		
20	QPSK	50	24	23.09	23.17	23.02				
20	QPSK	50	50	23.00	23.14	23.04				
20	QPSK	100	0	23.09	23.16	23.07	24	0		
20	16QAM	1	0	23.07	23.13	22.99				
20	16QAM	1	49	23.18	23.24	23.18				
20	16QAM	1	99	23.12	23.23	23.08	23.5	0.5		
20	16QAM	50	0	22.57	22.66	22.62				
20	16QAM	50	24	22.55	22.61	22.50				
20	16QAM	50	50	22.38	22.49	22.37	23.5	0.5		
20	16QAM	100	0	22.42	22.49	22.43				
20	64QAM	1	0	22.66	22.74	22.64				
20	64QAM	1	49	22.52	22.65	22.54	23.5	0.5		
20	64QAM	1	99	22.71	22.75	22.72				
20	64QAM	50	0	21.45	21.49	21.39				
20	64QAM	50	24	21.33	21.47	21.37	22.5	1.5		
20	64QAM	50	50	21.29	21.40	21.33				
20	64QAM	100	0	21.43	21.49	21.36				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.01	23.24	23.17	24	0		
15	QPSK	1	37	23.14	23.13	23.01				
15	QPSK	1	74	23.06	23.09	22.97				
15	QPSK	36	0	23.08	23.06	23.06	24	0		
15	QPSK	36	20	23.01	23.12	22.96				
15	QPSK	36	39	22.93	23.07	22.95				
15	QPSK	75	0	23.02	23.07	22.94	24	0		
15	16QAM	1	0	23.01	23.06	22.87				
15	16QAM	1	37	23.04	23.15	23.14				
15	16QAM	1	74	22.98	23.19	23.05	23.5	0.5		
15	16QAM	36	0	22.46	22.56	22.54				
15	16QAM	36	20	22.41	22.52	22.36				
15	16QAM	36	39	22.33	22.42	22.23	23.5	0.5		
15	16QAM	75	0	22.34	22.43	22.40				
15	64QAM	1	0	22.58	22.70	22.61				
15	64QAM	1	37	22.42	22.58	22.46	23.5	0.5		
15	64QAM	1	74	22.68	22.64	22.64				
15	64QAM	36	0	21.42	21.45	21.31				
15	64QAM	36	20	21.26	21.42	21.26	22.5	1.5		
15	64QAM	36	39	21.19	21.28	21.18				
15	64QAM	75	0	21.38	21.38	21.21				
Channel				20800						



Band 38 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.68	24.70	24.61	25.5	0	
20	QPSK	1	49	24.59	24.61	24.48			
20	QPSK	1	99	24.38	24.46	24.43			
20	QPSK	50	0	23.53	23.59	23.57	24.5	1	
20	QPSK	50	24	23.51	23.56	23.55			
20	QPSK	50	50	23.39	23.49	23.44			
20	QPSK	100	0	23.31	23.49	23.44	24.5	1	
20	16QAM	1	0	23.83	23.85	23.81			
20	16QAM	1	49	23.79	23.85	23.69			
20	16QAM	1	99	23.54	23.65	23.59	23.5	2	
20	16QAM	50	0	22.65	22.78	22.64			
20	16QAM	50	24	22.57	22.67	22.63			
20	16QAM	50	50	22.60	22.64	22.63	23.5	2	
20	16QAM	100	0	22.56	22.64	22.49			
20	64QAM	1	0	22.81	22.88	22.78			
20	64QAM	1	49	22.70	22.84	22.72	23.5	2	
20	64QAM	1	99	22.70	22.89	22.76			
20	64QAM	50	0	21.65	21.66	21.57			
20	64QAM	50	24	21.57	21.55	21.55	22.5	3	
20	64QAM	50	50	21.56	21.54	21.45			
20	64QAM	100	0	21.54	21.59	21.48			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.61	24.63	24.55	25.5	0	
15	QPSK	1	37	24.46	24.54	24.34			
15	QPSK	1	74	24.29	24.38	24.37			
15	QPSK	36	0	23.39	23.52	23.51	24.5	1	
15	QPSK	36	20	23.46	23.44	23.47			
15	QPSK	36	39	23.30	23.40	23.47			
15	QPSK	75	0	23.27	23.42	23.31	24.5	1	
15	16QAM	1	0	23.78	23.72	23.78			
15	16QAM	1	37	23.74	23.74	23.63			
15	16QAM	1	74	23.44	23.54	23.53	23.5	2	
15	16QAM	36	0	22.52	22.74	22.54			
15	16QAM	36	20	22.44	22.57	22.54			
15	16QAM	36	39	22.56	22.57	22.57	23.5	2	
15	16QAM	75	0	22.46	22.52	22.39			
15	64QAM	1	0	22.74	22.76	22.74			
15	64QAM	1	37	22.56	22.75	22.84	23.5	2	
15	64QAM	1	74	22.57	22.82	22.70			
15	64QAM	36	0	21.61	21.55	21.51			
15	64QAM	36	20	21.50	21.46	21.46	22.5	3	
15	64QAM	36	39	21.53	21.40	21.41			
15	64QAM	75	0	21.43	21.45	21.35			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.56	24.58	24.53	25.5	0	
10	QPSK	1	25	24.55	24.50	24.39			
10	QPSK	1	49	24.29	24.36	24.33			
10	QPSK	25	0	23.39	23.47	23.47	24.5	1	
10	QPSK	25	12	23.36	23.51	23.42			
10	QPSK	25	25	23.30	23.45	23.34			
10	QPSK	50	0	23.24	23.37	23.36	24.5	1	
10	16QAM	1	0	23.74	23.74	23.67			
10	16QAM	1	25	23.67	23.72	23.59			
10	16QAM	1	49	23.41	23.55	23.55	23.5	2	
10	16QAM	25	0	22.55	22.74	22.51			
10	16QAM	25	12	22.53	22.56	22.59			
10	16QAM	25	25	22.53	22.58	22.51	23.5	2	
10	16QAM	50	0	22.49	22.60	22.35			
10	64QAM	1	0	22.75	22.78	22.75			
10	64QAM	1	25	22.65	22.77	22.58	23.5	2	
10	64QAM	1	49	22.63	22.76	22.71			
10	64QAM	25	0	21.57	21.61	21.48			
10	64QAM	25	12	21.45	21.44	21.46	22.5	3	
10	64QAM	25	25	21.50	21.49	21.40			
10	64QAM	50	0	21.44	21.55	21.40			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.58	24.65	24.52	25.5	0	
5	QPSK	1	12	24.54	24.47	24.42			
5	QPSK	1	24	24.32	24.41	24.33			
5	QPSK	12	0	23.46	23.47	23.45	24.5	1	
5	QPSK	12	7	23.48	23.48	23.44			
5	QPSK	12	13	23.30	23.37	23.33			
5	QPSK	25	0	23.28	23.43	23.35	24.5	1	
5	16QAM	1	0	23.74	23.82	23.76			
5	16QAM	1	12	23.70	23.81	23.63			
5	16QAM	1	24	23.43	23.56	23.55	23.5	2	
5	16QAM	12	0	22.56	22.63	22.51			
5	16QAM	12	7	22.50	22.57	22.48			
5	16QAM	12	13	22.45	22.56	22.59	23.5	2	
5	16QAM	25	0	22.47	22.51	22.44			
5	64QAM	1	0	22.77	22.83	22.68			
5	64QAM	1	12	22.55	22.79	22.69	23.5	2	
5	64QAM	1	24	22.64	22.78	22.61			
5	64QAM	12	0	21.59	21.56	21.44			
5	64QAM	12	7	21.53	21.50	21.46	22.5	3	
5	64QAM	12	13	21.53	21.46	21.33			
5	64QAM	25	0	21.40	21.48	21.45			

Band 41 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.55	24.70	24.73	24.68	24.63	25.5	0
20	QPSK	1	49	24.41	24.64	24.69	24.53	24.50		
20	QPSK	1	99	24.36	24.38	24.48	24.42	24.38		
20	QPSK	50	0	23.48	23.61	23.67	23.57	23.50	24.5	1
20	QPSK	50	24	23.50	23.52	23.58	23.58	23.47		
20	QPSK	50	50	23.45	23.44	23.55	23.50	23.37		
20	QPSK	100	0	23.32	23.33	23.52	23.47	23.35	24.5	1
20	16QAM	1	0	23.72	23.89	23.90	23.83	23.70		
20	16QAM	1	49	23.68	23.79	23.85	23.72	23.66		
20	16QAM	1	99	23.60	23.62	23.68	23.60	23.55	23.5	2
20	16QAM	50	0	22.29	22.36	22.43	22.40	22.29		
20	16QAM	50	24	22.08	22.14	22.17	22.16	22.12		
20	16QAM	50	50	22.13	22.19	22.14	22.16	22.17	23.5	2
20	16QAM	100	0	21.99	22.02	22.19	22.06	21.92		
20	64QAM	1	0	22.23	22.35	22.39	22.34	22.26		
20	64QAM	1	49	22.02	22.24	22.25	22.17	22.07	23.5	2
20	64QAM	1	99	22.13	22.16	22.30	22.26	22.22		
20	64QAM	50	0	21.29	21.50	21.46	21.37	21.33		
20	64QAM	50	24	21.26	21.42	21.34	21.31	21.24	22.5	3
20	64QAM	50	50	21.21	21.40	21.31	21.28	21.21		
20	64QAM	100	0	21.21	21.30	21.37	21.32	21.26		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2546.3	2593	2637.3	2692.5		
15	QPSK	1	0	24.43	24.60	24.66	24.54	24.53	26	0
15	QPSK	1	37	24.29	24.53	24.60	24.49	24.37		
15	QPSK	1	74	24.31	24.32	24.40	24.30	24.25		
15	QPSK	36	0	23.38	23.51	23.56	23.54	23.43	24.5	1
15	QPSK	36	20	23.47	23.43	23.48	23.55	23.35		
15	QPSK	36	39	23.35	23.35	23.46	23.43	23.28		
15	QPSK	75	0	23.27	23.18	23.45	23.41	23.22	24.5	1
15	16QAM	1	0	23.59	23.77	23.83	23.79	23.64		
15	16QAM	1	37	23.59	23.69	23.76	23.61	23.59		
15	16QAM	1	74	23.50	23.56	23.65	23.48	23.41	23.5	2
15	16QAM	36	0	22.23	22.28	22.36	22.28	22.18		
15	16QAM	36	20	21.94	22.04	22.05	22.12	22.08		
15	16QAM	36	39	22.07	22.11	22.01	22.12	22.05	23.5	2
15	16QAM	75	0	21.94	21.95	22.14	21.95	21.78		
15	64QAM	1	0	22.15	22.32	22.24	22.23	22.22		
15	64QAM	1	37	21.93	22.14	22.12	22.12	21.94	23.5	2
15	64QAM	1	74	22.10	22.12	22.22	22.19	22.18		
15	64QAM	36	0	21.23	21.46	21.36	21.29	21.25		
15	64QAM	36	20	21.14	21.30	21.26	21.27	21.16	22.5	3
15	64QAM	36	39	21.18	21.30	21.26				



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)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.73	32.78	32.70	33.50	23.73	23.78	23.70	24.50
GPRS 1 Tx slot	32.59	32.73	32.66	33.50	23.59	23.73	23.66	24.50
GPRS 2 Tx slots	29.26	29.32	29.20	30.00	23.26	23.32	23.20	24.00
GPRS 3 Tx slots	27.74	27.80	27.72	28.50	23.48	23.54	23.46	24.24
GPRS 4 Tx slots	26.52	26.61	26.47	27.50	23.52	23.61	23.47	24.50
EDGE 1 Tx slot	27.07	27.16	27.04	27.50	18.07	18.16	18.04	18.50
EDGE 2 Tx slots	24.43	24.54	24.46	25.00	18.43	18.54	18.46	19.00
EDGE 3 Tx slots	22.70	22.80	22.68	23.50	18.44	18.54	18.42	19.24
EDGE 4 Tx slots	21.40	21.55	21.41	22.50	18.40	18.55	18.41	19.50

GSM1900 Ant1 Default

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.86	29.92	29.83	30.50	20.86	20.92	20.83	21.50
GPRS 1 Tx slot	29.75	29.89	29.78	30.50	20.75	20.89	20.78	21.50
GPRS 2 Tx slots	26.33	26.48	26.45	26.70	20.33	20.48	20.45	20.70
GPRS 3 Tx slots	24.53	24.59	24.47	25.00	20.27	20.33	20.21	20.74
GPRS 4 Tx slots	23.39	23.45	23.41	24.00	20.39	20.45	20.41	21.00
EDGE 1 Tx slot	26.44	26.48	26.39	26.80	17.44	17.48	17.39	17.80
EDGE 2 Tx slots	23.18	23.33	23.27	24.10	17.18	17.33	17.27	18.10
EDGE 3 Tx slots	21.69	21.76	21.63	23.10	17.43	17.50	17.37	18.84
EDGE 4 Tx slots	20.58	20.69	20.58	21.30	17.58	17.69	17.58	18.30

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.45	24.56	24.42	25.50
3GPP Rel 99 RMC 12.2Kbps	24.51	24.57	24.46	25.50
3GPP Rel 6 HSDPA Subtest-1	23.50	23.53	23.39	24.00
3GPP Rel 6 HSDPA Subtest-2	23.53	23.62	23.50	24.00
3GPP Rel 6 HSDPA Subtest-3	22.89	23.15	22.83	23.50
3GPP Rel 6 HSDPA Subtest-4	23.02	22.97	22.93	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.36	23.44	23.32	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.40	23.44	23.38	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.85	23.06	22.86	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.96	22.84	22.85	23.50
3GPP Rel 6 HSUPA Subtest-1	23.72	23.79	23.42	24.00
3GPP Rel 6 HSUPA Subtest-2	21.56	21.63	21.43	22.00
3GPP Rel 6 HSUPA Subtest-3	22.52	22.67	22.58	23.00
3GPP Rel 6 HSUPA Subtest-4	21.51	21.62	21.57	22.00
3GPP Rel 6 HSUPA Subtest-5	23.53	23.59	23.33	24.00



Band 5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.76	24.79	24.70	25.5	0	
10	QPSK	1	25	24.65	24.75	24.62			
10	QPSK	1	49	24.57	24.59	24.47			
10	QPSK	25	0	23.64	23.73	23.67	24.5	1	
10	QPSK	25	12	23.62	23.66	23.58			
10	QPSK	25	25	23.52	23.67	23.60			
10	QPSK	50	0	23.43	23.52	23.43	24.5	1	
10	16QAM	1	0	23.89	23.97	23.92			
10	16QAM	1	25	23.83	23.91	23.82			
10	16QAM	1	49	23.68	23.80	23.71	23.5	2	
10	16QAM	25	0	22.68	22.70	22.69			
10	16QAM	25	12	22.72	22.84	22.81			
10	16QAM	25	25	22.62	22.74	22.70	23.5	2	
10	16QAM	50	0	22.73	22.70	22.62			
10	64QAM	1	0	22.94	22.93	22.83			
10	64QAM	1	25	22.74	22.86	22.88	22.5	3	
10	64QAM	1	49	22.86	22.90	22.77			
10	64QAM	25	0	21.72	21.74	21.66			
10	64QAM	25	12	21.68	21.69	21.62	22.5	3	
10	64QAM	25	25	21.59	21.64	21.56			
10	64QAM	50	0	21.53	21.71	21.66			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.69	24.73	24.65	25.5	0	
5	QPSK	1	12	24.58	24.63	24.57			
5	QPSK	1	24	24.51	24.46	24.43			
5	QPSK	12	0	23.56	23.68	23.61	24.5	1	
5	QPSK	12	7	23.57	23.57	23.46			
5	QPSK	12	13	23.40	23.53	23.47			
5	QPSK	25	0	23.38	23.45	23.33	24.5	1	
5	16QAM	1	0	23.84	23.94	23.79			
5	16QAM	1	12	23.79	23.82	23.69			
5	16QAM	1	24	23.64	23.76	23.58	23.5	2	
5	16QAM	12	0	22.63	22.66	22.65			
5	16QAM	12	7	22.67	22.74	22.76			
5	16QAM	12	13	22.49	22.60	22.66	23.5	2	
5	16QAM	25	0	22.69	22.64	22.50			
5	64QAM	1	0	22.85	22.85	22.72			
5	64QAM	1	12	22.63	22.78	22.77	22.5	3	
5	64QAM	1	24	22.83	22.83	22.69			
5	64QAM	12	0	21.68	21.61	21.56			
5	64QAM	12	7	21.62	21.65	21.47	22.5	3	
5	64QAM	12	13	21.46	21.51	21.47			
5	64QAM	25	0	21.39	21.59	21.56			
Channel				20416	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.61	24.71	24.61	25.5	0	
3	QPSK	1	8	24.60	24.62	24.56			
3	QPSK	1	14	24.52	24.45	24.44			
3	QPSK	8	0	23.54	23.66	23.52	24.5	1	
3	QPSK	8	4	23.54	23.52	23.49			
3	QPSK	8	7	23.41	23.54	23.53			
3	QPSK	15	0	23.28	23.47	23.37	24.5	1	
3	16QAM	1	0	23.79	23.85	23.83			
3	16QAM	1	8	23.72	23.78	23.74			
3	16QAM	1	14	23.54	23.72	23.59	23.5	2	
3	16QAM	8	0	22.53	22.56	22.57			
3	16QAM	8	4	22.61	22.72	22.72			
3	16QAM	8	7	22.58	22.68	22.62	23.5	2	
3	16QAM	15	0	22.65	22.64	22.50			
3	64QAM	1	0	22.87	22.88	22.76			
3	64QAM	1	8	22.64	22.76	22.77	22.5	3	
3	64QAM	1	14	22.75	22.76	22.63			
3	64QAM	8	0	21.58	21.70	21.60			
3	64QAM	8	4	21.53	21.57	21.52	22.5	3	
3	64QAM	8	7	21.45	21.53	21.50			
3	64QAM	15	0	21.38	21.56	21.61			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.67	24.70	24.65	25.5	0	
1.4	QPSK	1	3	24.65	24.62	24.53			
1.4	QPSK	1	5	24.44	24.41	24.33			
1.4	QPSK	3	0	24.66	24.70	24.70	24.5	1	
1.4	QPSK	3	1	24.59	24.64	24.48			
1.4	QPSK	3	3	24.48	24.49	24.43			
1.4	QPSK	6	0	23.56	23.68	23.52	24.5	1	
1.4	16QAM	1	0	23.51	23.70	23.54			
1.4	16QAM	1	3	23.48	23.55	23.45			
1.4	16QAM	1	5	23.32	23.47	23.49	24.5	1	
1.4	16QAM	3	0	23.81	23.89	23.73			
1.4	16QAM	3	1	23.76	23.83	23.70			
1.4	16QAM	3	3	23.59	23.70	23.65	23.5	2	
1.4	16QAM	6	0	22.65	22.71	22.55			
1.4	64QAM	1	0	22.61	22.80	22.63			
1.4	64QAM	1	3	22.54	22.74	22.52	23.5	2	
1.4	64QAM	1	5	22.64	22.64	22.44			
1.4	64QAM	3	0	22.73	22.85	22.78			
1.4	64QAM	3	1	22.65	22.80	22.76	22.5	3	
1.4	64QAM	3	3	22.74	22.76	22.76			
1.4	64QAM	6	0	21.59	21.69	21.66			

Band 7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.73	24.81	24.67	25.5	0	
20	QPSK	1	49	24.70	24.74	24.55			
20	QPSK	1	99	24.51	24.64	24.45			
20	QPSK	50	0	23.68	23.74	23.64	24.5	1	
20	QPSK	50	24	23.55	23.73	23.60			
20	QPSK	50	50	23.57	23.57	23.52			
20	QPSK	100	0	23.39	23.55	23.44	24.5	1	
20	16QAM	1	0	23.95	23.98	23.84			
20	16QAM	1	49	23.82	23.99	23.94			
20	16QAM	1	99	23.69	23.80	23.72	23.5	2	
20	16QAM	50	0	22.71	22.90	22.71			
20	16QAM	50	24	22.63	22.91	22.69			
20	16QAM	50	50	22.71	22.71	22.70	23.5	2	
20	16QAM	100	0	22.76	22.68	22.50			
20	64QAM	1	0	23.00	22.96	22.79			
20	64QAM	1	49	22.79	22.87	22.88	22.5	3	
20	64QAM	1	99	22.90	22.91	22.80			
20	64QAM	50	0	21.76	21.70	21.69			
20	64QAM	50	24	21.58	21.67	21.63	22.5	3	
20	64QAM	50	50	21.57	21.63	21.70			
20	64QAM	100	0	21.51	21.73	21.67			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.67	24.74	24.59	25.5	0	
15	QPSK	1	37	24.66	24.67	24.41			
15	QPSK	1	74	24.46	24.53	24.35			
15	QPSK	36	0	23.56	23.67	23.60	24.5	1	
15	QPSK	36	20	23.48	23.63	23.50			
15	QPSK	36	39	23.45	23.51	23.45			
15	QPSK	75	0	23.26	23.41	23.35	24.5	1	
15	16QAM	1	0	23.81	23.91	23.74			
15	16QAM	1	37	23.77	23.91	23.82			
15	16QAM	1	74	23.55	23.75	23.68	23.5	2	
15	16QAM	36	0	22.56	22.86	22.58			
15	16QAM	36	20	22.52	22.83	22.60			
15	16QAM	36	39	22.58	22.68	22.56	23.5	2	
15	16QAM	75	0	22.64	22.61	22.45			
15	64QAM	1	0	22.91	22.84	22.66			
15	64QAM	1	37	22.74	22.74	22.80	22.5	3	
15	64QAM	1	74	22.85	22.84	22.66			
15	64QAM	36	0	21.72	21.56	21.57			
15	64QAM	36	20	21.44	21.59	21.49	22.5	3	
15	64QAM	36	39	21.47	21.60	21.62			
15	64QAM	75	0	21.47	21.63	21.61			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.59	24.69	24.52	25.5	0	
10	QPSK	1	25	24.58	24.60	24.45			
10	QPSK	1	49	24.37	24.54	24.34			
10	QPSK	25	0	23.64	23.62	23.50	24.5	1	
10	QPSK	25	12	23.41	23.64	23.53			
10	QPSK	25	25	23.46	23.46	23.40			
10	QPSK	50	0	23.36	23.43	23.35	24.5	1	
10	16QAM	1	0	23.80	23.94	23.77			
10	16QAM	1	25	23.74	23.90	23.80			
10	16QAM	1	49	23.60	23.76				



Band 38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.55	24.60	24.48	25.5	0	
20	QPSK	1	49	24.40	24.44	24.35			
20	QPSK	1	99	24.41	24.53	24.46			
20	QPSK	50	0	23.41	23.51	23.37	24.5	1	
20	QPSK	50	24	23.40	23.45	23.34			
20	QPSK	50	50	23.42	23.49	23.40			
20	QPSK	100	0	23.32	23.42	23.33	24.5	1	
20	16QAM	1	0	23.59	23.68	23.63			
20	16QAM	1	49	23.49	23.59	23.55			
20	16QAM	1	99	23.49	23.54	23.49	23.5	2	
20	16QAM	50	0	22.55	22.69	22.55			
20	16QAM	50	24	22.57	22.61	22.54			
20	16QAM	50	50	22.43	22.53	22.44	23.5	2	
20	16QAM	100	0	22.36	22.46	22.36			
20	64QAM	1	0	22.60	22.65	22.55			
20	64QAM	1	49	22.56	22.60	22.56	23.5	2	
20	64QAM	1	99	22.49	22.62	22.51			
20	64QAM	50	0	21.32	21.47	21.40			
20	64QAM	50	24	21.39	21.46	21.32	22.5	3	
20	64QAM	50	50	21.27	21.31	21.18			
20	64QAM	100	0	21.40	21.46	21.36			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.51	24.50	24.36	25.5	0	
15	QPSK	1	37	24.33	24.31	24.27			
15	QPSK	1	74	24.35	24.47	24.40			
15	QPSK	36	0	23.36	23.42	23.25	24.5	1	
15	QPSK	36	20	23.36	23.38	23.24			
15	QPSK	36	39	23.32	23.43	23.33			
15	QPSK	75	0	23.18	23.31	23.29	24.5	1	
15	16QAM	1	0	23.52	23.56	23.53			
15	16QAM	1	37	23.38	23.52	23.51			
15	16QAM	1	74	23.43	23.39	23.40	23.5	2	
15	16QAM	36	0	22.51	22.54	22.44			
15	16QAM	36	20	22.48	22.56	22.43			
15	16QAM	36	39	22.34	22.42	22.32	23.5	2	
15	16QAM	75	0	22.33	22.36	22.31			
15	64QAM	1	0	22.51	22.54	22.50			
15	64QAM	1	37	22.50	22.54	22.42	23.5	2	
15	64QAM	1	74	22.46	22.56	22.47			
15	64QAM	36	0	21.18	21.38	21.36			
15	64QAM	36	20	21.32	21.31	21.26	22.5	3	
15	64QAM	36	39	21.23	21.25	21.13			
15	64QAM	75	0	21.27	21.34	21.32			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.42	24.48	24.35	25.5	0	
10	QPSK	1	25	24.32	24.36	24.32			
10	QPSK	1	49	24.28	24.49	24.43			
10	QPSK	25	0	23.27	23.40	23.25	24.5	1	
10	QPSK	25	12	23.33	23.34	23.21			
10	QPSK	25	25	23.27	23.38	23.27			
10	QPSK	50	0	23.24	23.30	23.20	24.5	1	
10	16QAM	1	0	23.52	23.60	23.55			
10	16QAM	1	25	23.41	23.53	23.44			
10	16QAM	1	49	23.42	23.48	23.45	23.5	2	
10	16QAM	25	0	22.41	22.63	22.47			
10	16QAM	25	12	22.46	22.56	22.45			
10	16QAM	25	25	22.35	22.49	22.32	23.5	2	
10	16QAM	50	0	22.22	22.36	22.24			
10	64QAM	1	0	22.46	22.60	22.43			
10	64QAM	1	25	22.44	22.51	22.45	23.5	2	
10	64QAM	1	49	22.42	22.59	22.44			
10	64QAM	25	0	21.28	21.32	21.26			
10	64QAM	25	12	21.29	21.32	21.25	22.5	3	
10	64QAM	25	25	21.21	21.17	21.12			
10	64QAM	50	0	21.35	21.41	21.26			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.52	24.48	24.33	25.5	0	
5	QPSK	1	12	24.36	24.38	24.26			
5	QPSK	1	24	24.36	24.49	24.35			
5	QPSK	12	0	23.26	23.36	23.28	24.5	1	
5	QPSK	12	7	23.28	23.37	23.28			
5	QPSK	12	13	23.30	23.40	23.26			
5	QPSK	25	0	23.27	23.37	23.29	24.5	1	
5	16QAM	1	0	23.52	23.62	23.50			
5	16QAM	1	12	23.42	23.46	23.42			
5	16QAM	1	24	23.44	23.42	23.38	23.5	2	
5	16QAM	12	0	22.47	22.55	22.51			
5	16QAM	12	7	22.48	22.55	22.46			
5	16QAM	12	13	22.31	22.49	22.41	22.5	3	
5	16QAM	25	0	22.27	22.32	22.26			
5	64QAM	1	0	22.54	22.58	22.43			
5	64QAM	1	12	22.41	22.47	22.48	22.5	3	
5	64QAM	12	7	21.27	21.36	21.34			
5	64QAM	12	13	21.30	21.38	21.20			
5	64QAM	12	13	21.22	21.28	21.07	22.5	3	
5	64QAM	25	0	21.36	21.38	21.29			

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.49	24.54	24.68	24.63	24.57	25.5	0
20	QPSK	1	49	24.46	24.49	24.63	24.59	24.52		
20	QPSK	1	99	24.38	24.46	24.56	24.42	24.50		
20	QPSK	50	0	23.42	23.61	23.65	23.61	23.57	24.5	1
20	QPSK	50	24	23.45	23.54	23.61	23.50	23.50		
20	QPSK	50	50	23.38	23.49	23.53	23.49	23.48		
20	QPSK	100	0	23.42	23.48	23.57	23.46	23.53	24.5	1
20	16QAM	1	0	23.60	23.69	23.78	23.79	23.79		
20	16QAM	1	49	23.54	23.58	23.72	23.67	23.62		
20	16QAM	1	99	23.55	23.56	23.70	23.58	23.62	23.5	2
20	16QAM	50	0	22.54	22.64	22.73	22.60	22.69		
20	16QAM	50	24	22.50	22.64	22.68	22.63	22.61		
20	16QAM	50	50	22.47	22.50	22.61	22.54	22.51	23.5	2
20	16QAM	100	0	22.41	22.40	22.54	22.45	22.49		
20	64QAM	1	0	22.49	22.61	22.70	22.58	22.67		
20	64QAM	1	49	22.42	22.54	22.63	22.51	22.49	23.5	2
20	64QAM	1	99	22.47	22.58	22.66	22.57	22.55		
20	64QAM	50	0	21.33	21.48	21.57	21.54	21.42		
20	64QAM	50	24	21.48	21.53	21.62	21.54	21.55	22.5	3
20	64QAM	50	50	21.31	21.44	21.48	21.42	21.41		
20	64QAM	100	0	21.46	21.48	21.60	21.46	21.47		
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	24.36	24.48	24.58	24.52	24.45	26	0
15	QPSK	1	37	24.40	24.36	24.50	24.52	24.45		
15	QPSK	1	74	24.28	24.39	24.42	24.35	24.41		
15	QPSK	36	0	23.30	23.55	23.52	23.54	23.43	24.5	1
15	QPSK	36	20	23.30	23.45	23.48	23.46	23.42		
15	QPSK	36	39	23.28	23.41	23.44	23.39	23.43		
15	QPSK	75	0	23.27	23.37	23.51	23.38	23.46	24.5	1
15	16QAM	1	0	23.56	23.55	23.75	23.62	23.59		
15	16QAM	1	37	23.43	23.44	23.62	23.58	23.57		
15	16QAM	1	74	23.43	23.48	23.64	23.54	23.55	23.5	2
15	16QAM	36	0	22.44	22.52	22.62	22.48	22.57		
15	16QAM	36	20	22.35	22.53	22.64	22.48	22.57		
15	16QAM	36	39	22.38	22.42	22.54	22.49	22.45	23.5	2
15	16QAM	75	0	22.37	22.35	22.46	22.38	22.43		
15	64QAM	1	0	22.38	22.36	22.62	22.45	22.52		
15	64QAM	1	37	22.38	22.47	22.55	22.45	22.43	23.5	2
15	64QAM	1	74	22.35	22.45	22.61	22.44	22.51		
15	64QAM	36	0	21.21	21.37	21.43	21.48	21.28		
15	64QAM	36	20	21.34	21.47	21.58	21.44	21.51	22.5	3
15	64QAM	36	39	21.25	21.36	21.34	21.36	21.37		
15	64QAM	75	0	21.35						



Reduced Power Mode for DSI 4

GSM850 Ant0 Default

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.83	32.86	32.80	33.50	23.83	23.86	23.80	24.50
GPRS 1 Tx slot	32.74	32.82	32.72	33.50	23.74	23.82	23.72	24.50
GPRS 2 Tx slots	29.33	29.36	29.31	30.00	23.33	23.36	23.31	24.00
GPRS 3 Tx slots	27.54	27.63	27.50	28.50	23.28	23.37	23.24	24.24
GPRS 4 Tx slots	26.38	26.42	26.30	27.50	23.38	23.42	23.30	24.50
EDGE 1 Tx slot	27.07	27.17	27.09	27.50	18.07	18.17	18.09	18.50
EDGE 2 Tx slots	24.31	24.45	24.42	25.00	18.31	18.45	18.42	19.00
EDGE 3 Tx slots	22.51	22.62	22.53	23.50	18.25	18.36	18.27	19.24
EDGE 4 Tx slots	21.47	21.58	21.48	22.50	18.47	18.58	18.48	19.50

GSM1900 Ant0 DSI4

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	27.93	27.98	27.84	28.50	18.93	18.98	18.84	19.50
GPRS 1 Tx slot	27.85	27.90	27.78	28.50	18.85	18.90	18.78	19.50
GPRS 2 Tx slots	24.59	24.72	24.70	25.00	18.59	18.72	18.70	19.00
GPRS 3 Tx slots	22.45	22.58	22.49	23.00	18.19	18.32	18.23	18.74
GPRS 4 Tx slots	20.91	20.98	20.85	21.50	17.91	17.98	17.85	18.50
EDGE 1 Tx slot	26.43	26.47	26.38	26.80	17.43	17.47	17.38	17.80
EDGE 2 Tx slots	23.34	23.27	23.29	24.10	17.34	17.27	17.29	18.10
EDGE 3 Tx slots	21.81	21.86	21.77	23.00	17.55	17.60	17.51	18.74
EDGE 4 Tx slots	20.53	20.61	20.56	21.30	17.53	17.61	17.56	18.30

WCDMA V Ant0 Default

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
Frequency (MHz)	825.4	835.4	845.6	
3GPP Rel 99 AMR 12.2Kbps	24.19	24.28	24.24	25.50
3GPP Rel 99 RMC 12.2Kbps	24.29	24.36	24.31	25.50
3GPP Rel 6 HSDPA Subtest-1	23.23	23.35	23.35	24.00
3GPP Rel 6 HSDPA Subtest-2	23.19	23.41	23.34	24.00
3GPP Rel 6 HSDPA Subtest-3	22.72	23.01	22.92	23.50
3GPP Rel 6 HSDPA Subtest-4	22.64	22.85	22.74	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.03	23.28	23.18	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	23.19	23.30	23.31	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	22.71	22.94	22.78	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.59	22.83	22.66	23.50
3GPP Rel 6 HSUPA Subtest-1	23.30	23.52	23.50	24.00
3GPP Rel 6 HSUPA Subtest-2	21.28	21.42	21.36	22.00
3GPP Rel 6 HSUPA Subtest-3	22.30	22.57	22.44	23.00
3GPP Rel 6 HSUPA Subtest-4	21.24	21.42	21.31	22.00
3GPP Rel 6 HSUPA Subtest-5	23.29	23.50	23.40	24.00



Band 5 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	24.66	24.70	24.61	25.5	0		
10	QPSK	1	25	24.56	24.62	24.48				
10	QPSK	1	49	24.42	24.44	24.39				
10	QPSK	25	0	23.58	23.63	23.50	24.5	1		
10	QPSK	25	12	23.49	23.58	23.49				
10	QPSK	25	25	23.42	23.52	23.46				
10	QPSK	50	0	23.31	23.45	23.37	24.5	1		
10	16QAM	1	0	23.78	23.88	23.75				
10	16QAM	1	25	23.74	23.83	23.74				
10	16QAM	1	49	23.58	23.70	23.61	23.5	2		
10	16QAM	25	0	22.59	22.72	22.57				
10	16QAM	25	12	22.56	22.70	22.65				
10	16QAM	25	25	22.56	22.63	22.57	23.5	2		
10	16QAM	50	0	22.58	22.61	22.47				
10	64QAM	1	0	22.79	22.85	22.75				
10	64QAM	1	25	22.64	22.77	22.71	22.5	3		
10	64QAM	1	49	22.71	22.83	22.71				
10	64QAM	25	0	21.59	21.62	21.55				
10	64QAM	25	12	21.53	21.59	21.50	22.5	3		
10	64QAM	25	25	21.49	21.53	21.49				
10	64QAM	50	0	21.47	21.60	21.52				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.52	24.64	24.55	25.5	0		
5	QPSK	1	12	24.46	24.58	24.38				
5	QPSK	1	24	24.30	24.39	24.30				
5	QPSK	12	0	23.49	23.52	23.40	24.5	1		
5	QPSK	12	7	23.35	23.50	23.43				
5	QPSK	12	13	23.30	23.41	23.41				
5	QPSK	25	0	23.27	23.30	23.33	24.5	1		
5	16QAM	1	0	23.75	23.74	23.68				
5	16QAM	1	12	23.61	23.76	23.70				
5	16QAM	1	24	23.52	23.58	23.52	23.5	2		
5	16QAM	12	0	22.45	22.64	22.47				
5	16QAM	12	7	22.50	22.59	22.51				
5	16QAM	12	13	22.50	22.58	22.46	23.5	2		
5	16QAM	25	0	22.48	22.49	22.41				
5	64QAM	1	0	22.70	22.73	22.64				
5	64QAM	1	12	22.57	22.63	22.60	22.5	3		
5	64QAM	1	24	22.63	22.71	22.61				
5	64QAM	12	0	21.54	21.52	21.50				
5	64QAM	12	7	21.49	21.47	21.44	22.5	3		
5	64QAM	12	13	21.46	21.38	21.37				
5	64QAM	25	0	21.32	21.55	21.45				
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	24.55	24.67	24.54	25.5	0		
3	QPSK	1	8	24.50	24.52	24.43				
3	QPSK	1	14	24.38	24.38	24.33				
3	QPSK	8	0	23.45	23.58	23.38	24.5	1		
3	QPSK	8	4	23.46	23.48	23.38				
3	QPSK	8	7	23.30	23.42	23.32				
3	QPSK	15	0	23.19	23.34	23.23	24.5	1		
3	16QAM	1	0	23.72	23.79	23.68				
3	16QAM	1	8	23.69	23.76	23.64				
3	16QAM	1	14	23.52	23.66	23.49	23.5	2		
3	16QAM	8	0	22.50	22.63	22.53				
3	16QAM	8	4	22.43	22.60	22.52				
3	16QAM	8	7	22.53	22.52	22.45	23.5	2		
3	16QAM	15	0	22.52	22.58	22.43				
3	64QAM	1	0	22.67	22.72	22.68				
3	64QAM	1	8	22.52	22.65	22.57	22.5	3		
3	64QAM	1	14	22.63	22.77	22.65				
3	64QAM	8	0	21.55	21.52	21.50				
3	64QAM	8	4	21.41	21.44	21.38	22.5	3		
3	64QAM	8	7	21.36	21.45	21.43				
3	64QAM	15	0	21.39	21.48	21.44				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.54	24.64	24.57	25.5	0		
1.4	QPSK	1	3	24.49	24.52	24.38				
1.4	QPSK	1	5	24.38	24.29	24.24				
1.4	QPSK	3	0	24.58	24.57	24.53	24.5	1		
1.4	QPSK	3	1	24.53	24.50	24.38				
1.4	QPSK	3	3	24.34	24.36	24.35				
1.4	QPSK	6	0	23.51	23.60	23.46	24.5	1		
1.4	16QAM	1	0	23.41	23.53	23.39				
1.4	16QAM	1	3	23.39	23.39	23.37				
1.4	16QAM	1	5	23.18	23.37	23.32	24.5	1		
1.4	16QAM	3	0	23.65	23.80	23.64				
1.4	16QAM	3	1	23.60	23.69	23.65				
1.4	16QAM	3	3	23.44	23.58	23.57	23.5	2		
1.4	16QAM	6	0	22.49	22.65	22.50				
1.4	64QAM	1	0	22.48	22.64	22.52				
1.4	64QAM	1	3	22.43	22.59	22.43	23.5	2		
1.4	64QAM	1	5	22.51	22.54	22.34				
1.4	64QAM	3	0	22.67	22.78	22.69				
1.4	64QAM	3	1	22.49	22.74	22.60	22.5	3		
1.4	64QAM	3	3	22.65	22.70	22.67				
1.4	64QAM	6	0	21.51	21.55	21.51				

Band 7 Ant0 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	18.13	18.28	18.20	19	0		
20	QPSK	1	49	18.11	18.23	18.11				
20	QPSK	1	99	18.05	18.14	18.09				
20	QPSK	50	0	18.02	18.18	18.10	19	0		
20	QPSK	50	24	18.03	18.16	18.04				
20	QPSK	50	50	18.01	18.13	17.99				
20	QPSK	100	0	18.15	18.24	18.07	19	0		
20	16QAM	1	0	18.14	18.21	18.08				
20	16QAM	1	49	18.11	18.22	18.16				
20	16QAM	1	99	17.96	18.12	18.04	19	0		
20	16QAM	50	0	18.01	18.13	18.07				
20	16QAM	50	24	18.01	18.12	17.99				
20	16QAM	50	50	18.06	18.14	18.04	19	0		
20	16QAM	100	0	18.10	18.19	18.10				
20	64QAM	1	0	18.23	18.25	18.18				
20	64QAM	1	49	18.05	18.11	18.04	19	0		
20	64QAM	1	99	17.99	18.13	18.03				
20	64QAM	50	0	18.15	18.19	18.13				
20	64QAM	50	24	18.21	18.23	18.08	19	0		
20	64QAM	50	50	18.11	18.16	18.00				
20	64QAM	100	0	18.12	18.21	18.12				
Channel				20825	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	18.09	18.21	18.11	19	0		
15	QPSK	1	37	17.95	18.16	18.07				
15	QPSK	1	74	17.89	18.04	18.01				
15	QPSK	36	0	18.00	18.03	17.95	19	0		
15	QPSK	36	20	17.92	18.04	17.92				
15	QPSK	36	39	17.87	17.99	17.94				
15	QPSK	75	0	18.10	18.12	17.92	19	0		
15	16QAM	1	0	18.06	18.11	17.92				
15	16QAM	1	37	18.08	18.16	18.02				
15	16QAM	1	74	17.80	18.06	17.92	19	0		
15	16QAM	36	0	17.88	18.00	18.03				
15	16QAM	36	20	17.97	18.03	17.87				
15	16QAM	36	39	17.94	18.02	17.98	19	0		
15	16QAM	75	0	17.98	18.06	17.99				
15	64QAM	1	0	18.11	18.20	18.03				
15	64QAM	1	37	17.95	18.04	17.90	19	0		
15	64QAM	1	74	17.84	18.11	17.94				
15	64QAM	36	0	18.04	18.03	18.00				
15	64QAM	36	20	18.08	18.06	17.95	19	0		
15	64QAM	36	39	17.94	18.01	17.92				
15	64QAM	75	0	18.09	18.14	18.06				
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535					



Band 38 Ant0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.07	20.21	20.16	21	0		
20	QPSK	1	49	20.05	20.16	20.00				
20	QPSK	1	99	19.92	20.08	20.04				
20	QPSK	50	0	20.11	20.18	20.02	21	0		
20	QPSK	50	24	19.93	20.07	20.04				
20	QPSK	50	50	20.06	20.12	20.05				
20	QPSK	100	0	19.94	20.09	19.96	21	0		
20	16QAM	1	0	20.04	20.12	20.08				
20	16QAM	1	49	19.96	20.08	19.93				
20	16QAM	1	99	19.99	20.09	19.96	21	0		
20	16QAM	50	0	20.01	20.09	19.93				
20	16QAM	50	24	20.00	20.14	20.06				
20	16QAM	50	50	20.12	20.16	20.05	21	0		
20	16QAM	100	0	20.07	20.13	19.97				
20	64QAM	1	0	20.00	20.10	20.02				
20	64QAM	1	49	19.97	20.12	20.04	21	0		
20	64QAM	1	99	19.93	20.08	20.06				
20	64QAM	50	0	20.02	20.18	20.12				
20	64QAM	50	24	19.90	20.04	19.99	21	0		
20	64QAM	50	50	20.07	20.10	20.00				
20	64QAM	100	0	19.83	19.98	19.93				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2612.5				
15	QPSK	1	0	20.04	20.11	20.13	21	0		
15	QPSK	1	37	19.96	20.10	19.97				
15	QPSK	1	74	19.85	20.02	19.97				
15	QPSK	36	0	20.05	20.13	20.00	21	0		
15	QPSK	36	20	19.84	19.98	19.99				
15	QPSK	36	39	19.94	19.97	20.03				
15	QPSK	75	0	19.81	19.94	19.91	21	0		
15	16QAM	1	0	19.93	20.09	20.05				
15	16QAM	1	37	19.85	19.95	19.82				
15	16QAM	1	74	19.95	19.93	19.87	21	0		
15	16QAM	36	0	19.96	20.01	19.89				
15	16QAM	36	20	19.86	20.08	20.03				
15	16QAM	36	39	19.97	20.09	19.90	21	0		
15	16QAM	75	0	19.98	20.04	19.80				
15	64QAM	1	0	19.94	19.99	19.87				
15	64QAM	1	37	19.86	20.03	19.96	21	0		
15	64QAM	1	74	19.79	19.99	19.93				
15	64QAM	36	0	19.85	20.07	20.00				
15	64QAM	36	20	19.87	19.93	19.84	21	0		
15	64QAM	36	39	20.02	19.95	19.90				
15	64QAM	75	0	19.79	19.94	19.90				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.92	20.10	20.07	21	0		
10	QPSK	1	25	19.98	20.10	19.89				
10	QPSK	1	49	19.77	20.01	19.94				
10	QPSK	25	0	20.02	20.16	19.99	21	0		
10	QPSK	25	12	19.87	20.00	19.97				
10	QPSK	25	25	19.89	20.06	20.02				
10	QPSK	50	0	19.89	19.98	19.82	21	0		
10	16QAM	1	0	19.93	20.09	19.82				
10	16QAM	1	25	19.93	20.03	19.82				
10	16QAM	1	49	19.83	19.99	19.89	21	0		
10	16QAM	25	0	19.98	20.01	19.79				
10	16QAM	25	12	19.92	20.01	19.95				
10	16QAM	25	25	20.08	20.03	19.90	21	0		
10	16QAM	50	0	19.94	20.03	19.89				
10	64QAM	1	0	19.88	19.98	19.97				
10	64QAM	1	25	19.93	20.09	19.96	21	0		
10	64QAM	1	49	19.87	20.05	19.90				
10	64QAM	25	0	19.95	20.11	20.09				
10	64QAM	25	12	19.81	20.00	19.94	21	0		
10	64QAM	25	25	19.93	19.97	19.97				
10	64QAM	50	0	19.69	19.90	19.90				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.05	20.07	20.08	21	0		
5	QPSK	1	12	20.00	20.06	19.85				
5	QPSK	1	24	19.76	20.00	19.89				
5	QPSK	12	0	19.99	20.09	19.95	21	0		
5	QPSK	12	7	19.77	19.98	19.89				
5	QPSK	12	13	20.02	19.99	19.92				
5	QPSK	25	0	19.86	19.92	19.92	21	0		
5	16QAM	1	0	19.88	19.99	19.99				
5	16QAM	1	12	19.87	19.98	19.84				
5	16QAM	1	24	19.94	19.97	19.96	21	0		
5	16QAM	12	0	19.86	20.06	19.89				
5	16QAM	12	7	19.88	20.10	19.99				
5	16QAM	12	13	19.88	20.01	19.97	21	0		
5	16QAM	25	0	20.00	20.10	19.90				
5	64QAM	1	0	19.86	19.99	19.98				
5	64QAM	1	12	19.83	20.04	19.97	21	0		
5	64QAM	1	24	19.84	19.98	20.03				
5	64QAM	12	0	19.94	20.08	20.04				
5	64QAM	12	7	19.77	20.02	19.95	21	0		
5	64QAM	12	13	19.98	19.93	19.85				
5	64QAM	25	0	19.71	19.84	19.84				

Band 41 Ant0 DSI4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.00	20.20	20.25	20.15	20.09	21	0		
20	QPSK	1	49	19.93	20.03	20.10	20.03	20.05				
20	QPSK	1	99	19.95	20.03	20.17	20.10	20.07				
20	QPSK	50	0	20.02	20.14	20.22	20.20	20.11	21	0		
20	QPSK	50	24	19.89	20.10	20.13	20.07	20.09				
20	QPSK	50	50	19.98	20.02	20.17	20.07	20.07				
20	QPSK	100	0	19.96	20.04	20.12	20.07	20.00	21	0		
20	16QAM	1	0	19.97	20.02	20.18	20.13	20.14				
20	16QAM	1	49	19.88	20.03	20.10	19.99	20.07				
20	16QAM	1	99	20.04	20.12	20.20	20.11	20.14	21	0		
20	16QAM	50	0	19.89	19.96	20.10	19.93	19.97				
20	16QAM	50	24	19.91	20.02	20.09	20.03	19.93				
20	16QAM	50	50	19.96	20.13	20.20	20.09	20.07	21	0		
20	16QAM	100	0	20.02	20.03	20.14	20.03	20.00				
20	64QAM	1	0	20.01	20.02	20.15	20.11	20.09				
20	64QAM	1	49	19.82	20.00	20.06	19.97	20.01	21	0		
20	64QAM	1	99	19.97	20.09	20.17	20.07	20.04				
20	64QAM	50	0	20.07	20.15	20.21	20.17	20.04				
20	64QAM	50	24	19.98	20.07	20.13	20.02	19.98	21	0		
20	64QAM	50	50	20.05	20.15	20.22	20.20	20.06				
20	64QAM	100	0	19.87	20.00	20.08	19.94	19.92				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2593	2637.3	2682.5				
15	QPSK	1	0	19.91	20.18	20.17	19.99	20.05	21	0		
15	QPSK	1	37	19.88	19.97	19.95	19.87	19.91				
15	QPSK	1	74	19.79	19.98	20.10	19.99	19.95				
15	QPSK	36	0	19.91	20.09	20.10	20.10	20.00	21	0		
15	QPSK	36	20	19.81	20.04	20.06	19.95	20.05				
15	QPSK	36	39	19.91	19.92	20.02	19.96	19.94				
15	QPSK	75	0	19.94	20.00	20.03	19.93	19.97	21	0		
15	16QAM	1	0	19.82	19.91	20.08	20.11	20.01				
15	16QAM	1	37	19.82	19.93	19.94	19.94	19.94				
15	16QAM	1	74	19.97	20.02	20.05	20.09	20.03	21	0		
15	16QAM	36	0	19.77	19.81	19.96	19.88	19.92				
15	16QAM	36	20	19.79	19.96	19.96	19.88	19.80				
15	16QAM	36	39	19.82	20.01	20.14	20.06	19.94	21	0		
15	16QAM											

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)	824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot	32.73	32.78	32.70	33.50	23.73	23.78	23.70	24.50
GPRS 1 Tx slot	32.59	32.73	32.66	33.50	23.59	23.73	23.66	24.50
GPRS 2 Tx slots	29.26	29.32	29.20	30.00	23.26	23.32	23.20	24.00
GPRS 3 Tx slots	27.74	27.80	27.72	28.50	23.48	23.54	23.46	24.24
GPRS 4 Tx slots	26.52	26.61	26.47	27.50	23.52	23.61	23.47	24.50
EDGE 1 Tx slot	27.07	27.16	27.04	27.50	18.07	18.16	18.04	18.50
EDGE 2 Tx slots	24.43	24.54	24.46	25.00	18.43	18.54	18.46	19.00
EDGE 3 Tx slots	22.70	22.80	22.68	23.50	18.44	18.54	18.42	19.24
EDGE 4 Tx slots	21.40	21.55	21.41	22.50	18.40	18.55	18.41	19.50

GSM1900 Ant1 DS14

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	19.50
GSM 1 Tx slot	27.92	28.01	27.98	28.50	18.92	19.01	18.98	19.50
GPRS 1 Tx slot	27.77	27.93	27.89	28.50	18.77	18.93	18.89	19.50
GPRS 2 Tx slots	24.70	24.77	24.73	25.00	18.70	18.77	18.73	19.00
GPRS 3 Tx slots	22.70	22.86	22.73	23.50	18.44	18.60	18.47	19.24
GPRS 4 Tx slots	21.40	21.53	21.43	22.00	18.40	18.53	18.43	19.00
EDGE 1 Tx slot	26.44	26.48	26.39	26.80	17.44	17.48	17.39	17.80
EDGE 2 Tx slots	23.18	23.33	23.27	24.10	17.18	17.33	17.27	18.10
EDGE 3 Tx slots	21.69	21.76	21.63	23.10	17.43	17.50	17.37	18.84
EDGE 4 Tx slots	20.58	20.69	20.58	21.30	17.58	17.69	17.58	18.30

WCDMA V Ant1 Default

Band TX Channel	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	24.45	24.56	24.42	25.50
3GPP Rel 99 AMR 12.2Kbps	24.51	24.57	24.46	25.50
3GPP Rel 6 HSDPA Subtest-1	23.50	23.53	23.39	24.00
3GPP Rel 6 HSDPA Subtest-2	23.53	23.62	23.50	24.00
3GPP Rel 6 HSDPA Subtest-3	22.89	23.15	22.83	23.50
3GPP Rel 6 HSDPA Subtest-4	23.02	22.97	22.93	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.36	23.44	23.32	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.40	23.44	23.38	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.85	23.06	22.66	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.96	22.84	22.85	23.50
3GPP Rel 6 HSUPA Subtest-1	23.72	23.79	23.42	24.00
3GPP Rel 6 HSUPA Subtest-2	21.56	21.63	21.43	22.00
3GPP Rel 6 HSUPA Subtest-3	22.52	22.67	22.58	23.00
3GPP Rel 6 HSUPA Subtest-4	21.51	21.62	21.57	22.00
3GPP Rel 6 HSUPA Subtest-5	23.53	23.59	23.33	24.00



Band 5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	24.76	24.79	24.70	25.5	0	
10	QPSK	1	25	24.65	24.75	24.62			
10	QPSK	1	49	24.57	24.59	24.47			
10	QPSK	25	0	23.64	23.73	23.67	24.5	1	
10	QPSK	25	12	23.62	23.66	23.58			
10	QPSK	25	25	23.52	23.67	23.60			
10	QPSK	50	0	23.43	23.52	23.43	24.5	1	
10	16QAM	1	0	23.89	23.97	23.92			
10	16QAM	1	25	23.83	23.91	23.82			
10	16QAM	1	49	23.68	23.80	23.71	23.5	2	
10	16QAM	25	0	22.68	22.70	22.69			
10	16QAM	25	12	22.72	22.84	22.81			
10	16QAM	25	25	22.62	22.74	22.70	23.5	2	
10	16QAM	50	0	22.73	22.70	22.62			
10	64QAM	1	0	22.94	22.93	22.83			
10	64QAM	1	25	22.74	22.86	22.88	22.5	3	
10	64QAM	1	49	22.86	22.90	22.77			
10	64QAM	25	0	21.72	21.74	21.66			
10	64QAM	25	12	21.68	21.69	21.62	22.5	3	
10	64QAM	25	25	21.59	21.64	21.56			
10	64QAM	50	0	21.53	21.71	21.66			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.69	24.73	24.65	25.5	0	
5	QPSK	1	12	24.58	24.63	24.57			
5	QPSK	1	24	24.51	24.46	24.43			
5	QPSK	12	0	23.56	23.68	23.61	24.5	1	
5	QPSK	12	7	23.57	23.57	23.46			
5	QPSK	12	13	23.40	23.53	23.47			
5	QPSK	25	0	23.38	23.45	23.33	24.5	1	
5	16QAM	1	0	23.84	23.94	23.79			
5	16QAM	1	12	23.79	23.82	23.69			
5	16QAM	1	24	23.64	23.76	23.58	23.5	2	
5	16QAM	12	0	22.63	22.66	22.65			
5	16QAM	12	7	22.67	22.74	22.76			
5	16QAM	12	13	22.49	22.60	22.66	23.5	2	
5	16QAM	25	0	22.69	22.64	22.50			
5	64QAM	1	0	22.85	22.85	22.72			
5	64QAM	1	12	22.63	22.78	22.77	23.5	2	
5	64QAM	1	24	22.83	22.83	22.69			
5	64QAM	12	0	21.68	21.61	21.56			
5	64QAM	12	7	21.62	21.65	21.47	22.5	3	
5	64QAM	12	13	21.46	21.51	21.47			
5	64QAM	25	0	21.39	21.59	21.56			
Channel				20416	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.61	24.71	24.61	25.5	0	
3	QPSK	1	8	24.60	24.62	24.56			
3	QPSK	1	14	24.52	24.45	24.44			
3	QPSK	8	0	23.54	23.66	23.52	24.5	1	
3	QPSK	8	4	23.54	23.52	23.49			
3	QPSK	8	7	23.41	23.54	23.53			
3	QPSK	15	0	23.28	23.47	23.37	24.5	1	
3	16QAM	1	0	23.79	23.85	23.83			
3	16QAM	1	8	23.72	23.78	23.74			
3	16QAM	1	14	23.54	23.72	23.59	23.5	2	
3	16QAM	8	0	22.53	22.56	22.57			
3	16QAM	8	4	22.61	22.72	22.72			
3	16QAM	8	7	22.58	22.68	22.62	23.5	2	
3	16QAM	15	0	22.65	22.64	22.50			
3	64QAM	1	0	22.87	22.88	22.76			
3	64QAM	1	8	22.64	22.76	22.77	23.5	2	
3	64QAM	1	14	22.75	22.76	22.63			
3	64QAM	8	0	21.58	21.70	21.60			
3	64QAM	8	4	21.53	21.57	21.52	22.5	3	
3	64QAM	8	7	21.45	21.53	21.50			
3	64QAM	15	0	21.38	21.56	21.61			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.67	24.70	24.65	25.5	0	
1.4	QPSK	1	3	24.65	24.62	24.53			
1.4	QPSK	1	5	24.44	24.41	24.33			
1.4	QPSK	3	0	24.66	24.70	24.70	24.5	1	
1.4	QPSK	3	1	24.59	24.64	24.48			
1.4	QPSK	3	3	24.48	24.49	24.43			
1.4	QPSK	6	0	23.56	23.68	23.52	24.5	1	
1.4	16QAM	1	0	23.51	23.70	23.54			
1.4	16QAM	1	3	23.48	23.55	23.45			
1.4	16QAM	1	5	23.32	23.47	23.49	24.5	1	
1.4	16QAM	3	0	23.81	23.89	23.73			
1.4	16QAM	3	1	23.76	23.83	23.70			
1.4	16QAM	3	3	23.59	23.70	23.65	23.5	2	
1.4	16QAM	6	0	22.65	22.71	22.55			
1.4	64QAM	1	0	22.61	22.80	22.63			
1.4	64QAM	1	3	22.54	22.74	22.52	23.5	2	
1.4	64QAM	1	5	22.64	22.64	22.44			
1.4	64QAM	3	0	22.73	22.85	22.78			
1.4	64QAM	3	1	22.65	22.80	22.76	22.5	3	
1.4	64QAM	3	3	22.74	22.76	22.76			
1.4	64QAM	6	0	21.59	21.69	21.66			

Band 7 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.19	18.35	18.23	19	0	
20	QPSK	1	49	18.19	18.32	18.28			
20	QPSK	1	99	18.18	18.21	18.11			
20	QPSK	50	0	18.24	18.27	18.21	19	0	
20	QPSK	50	24	18.14	18.25	18.09			
20	QPSK	50	50	18.15	18.25	18.22			
20	QPSK	100	0	18.28	18.32	18.24	19	0	
20	16QAM	1	0	18.15	18.22	18.11			
20	16QAM	1	49	18.24	18.32	18.19			
20	16QAM	1	99	18.19	18.31	18.17	19	0	
20	16QAM	50	0	18.24	18.33	18.18			
20	16QAM	50	24	18.14	18.19	18.13			
20	16QAM	50	50	18.05	18.20	18.14	19	0	
20	16QAM	100	0	18.22	18.30	18.25			
20	64QAM	1	0	18.20	18.33	18.26			
20	64QAM	1	49	18.23	18.32	18.25	19	0	
20	64QAM	1	99	18.16	18.19	18.09			
20	64QAM	50	0	18.10	18.23	18.06			
20	64QAM	50	24	18.03	18.20	18.12	19	0	
20	64QAM	50	50	18.11	18.19	18.03			
20	64QAM	100	0	18.12	18.15	18.05			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.10	18.23	18.12	19	0	
15	QPSK	1	37	18.12	18.29	18.23			
15	QPSK	1	74	18.03	18.07	18.05			
15	QPSK	36	0	18.20	18.23	18.19	19	0	
15	QPSK	36	20	18.07	18.17	17.99			
15	QPSK	36	39	18.06	18.10	18.12			
15	QPSK	75	0	18.18	18.26	18.10	19	0	
15	16QAM	1	0	18.11	18.12	17.97			
15	16QAM	1	37	18.14	18.15	18.13			
15	16QAM	1	74	18.05	18.28	18.07	19	0	
15	16QAM	36	0	18.16	18.31	18.15			
15	16QAM	36	20	18.10	18.05	17.98			
15	16QAM	36	39	18.01	18.16	18.02	19	0	
15	16QAM	75	0	18.11	18.19	18.22			
15	64QAM	1	0	18.16	18.26	18.11			
15	64QAM	1	37	18.21	18.15	18.20	19	0	
15	64QAM	1	74	18.03	18.15	17.96			
15	64QAM	36	0	18.02	18.08	17.90			
15	64QAM	36	20	17.96	18.05	17.96	19	0	
15	64QAM	36	39	18.15	18.15	18.00			
15	64QAM	75	0	18.03	18.06	18.02			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.16	18.22	18.16	19	0	
10	QPSK	1	25	18.02	18.23	18.24			
10	QPSK	1	49	18.10	18.16	18.01			
10	QPSK	25	0	18.16	18.20	18.17	19	0	
10	QPSK	25	12	17.98	18.21	18.05			
10	QPSK	25	25	18.12	18.09	18.19			
10	QPSK	50	0	18.19	18.22	18.19	19	0	
10	16QAM	1	0	18.05	18.10	18.02			
10	16QAM	1	25	18.11	18.25	18.10			
10	16QAM	1	49	18.09	18.15	18.12	19	0	



Band 38 Ant1 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.12	19.26	19.09	20	0		
20	QPSK	1	49	19.11	19.18	19.09				
20	QPSK	1	99	18.96	19.12	19.07	20	0		
20	QPSK	50	0	19.16	19.23	19.15				
20	QPSK	50	24	18.96	19.10	19.03	20	0		
20	QPSK	50	50	19.13	19.19	19.08				
20	QPSK	100	0	18.97	19.12	19.06	20	0		
20	16QAM	1	0	19.13	19.20	19.13				
20	16QAM	1	49	19.20	19.23	19.08	20	0		
20	16QAM	1	99	19.01	19.10	19.02				
20	16QAM	50	0	19.09	19.23	19.20	20	0		
20	16QAM	50	24	19.05	19.12	19.09				
20	16QAM	50	50	18.98	19.10	18.96	20	0		
20	16QAM	100	0	19.11	19.16	19.09				
20	64QAM	1	0	19.00	19.14	19.07	20	0		
20	64QAM	1	49	19.14	19.19	19.13				
20	64QAM	1	99	18.98	19.14	19.02	20	0		
20	64QAM	50	0	19.07	19.23	19.11				
20	64QAM	50	24	18.99	19.08	18.96	20	0		
20	64QAM	50	50	19.03	19.17	19.11				
20	64QAM	100	0	19.04	19.10	19.01				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	19.06	19.18	18.93	20	0		
15	QPSK	1	37	19.09	19.02	18.95				
15	QPSK	1	74	18.88	18.98	19.02	20	0		
15	QPSK	36	0	19.09	19.18	19.07				
15	QPSK	36	20	18.87	19.06	18.93	20	0		
15	QPSK	36	39	19.04	19.10	18.93				
15	QPSK	75	0	18.82	19.09	18.92	20	0		
15	16QAM	1	0	19.06	19.14	19.01				
15	16QAM	1	37	19.04	19.11	18.99	20	0		
15	16QAM	1	74	18.87	18.98	18.89				
15	16QAM	36	0	19.05	19.17	19.14	20	0		
15	16QAM	36	20	18.98	19.01	19.01				
15	16QAM	36	39	18.82	18.97	18.91	20	0		
15	16QAM	75	0	19.02	19.01	18.96				
15	64QAM	1	0	18.94	19.02	18.99	20	0		
15	64QAM	1	37	19.03	19.15	18.97				
15	64QAM	1	74	18.96	19.06	18.92	20	0		
15	64QAM	36	0	18.95	19.15	19.01				
15	64QAM	36	20	18.94	18.95	18.80	20	0		
15	64QAM	36	39	18.86	19.13	19.02				
15	64QAM	75	0	18.88	19.02	18.94				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	19.01	19.12	19.06	20	0		
10	QPSK	1	25	18.97	19.16	18.94				
10	QPSK	1	49	18.94	19.10	18.97	20	0		
10	QPSK	25	0	19.05	19.15	19.08				
10	QPSK	25	12	18.79	18.99	18.90	20	0		
10	QPSK	25	25	19.06	19.08	19.01				
10	QPSK	50	0	18.81	19.04	18.98	20	0		
10	16QAM	1	0	19.00	19.09	19.00				
10	16QAM	1	25	19.10	19.18	18.92	20	0		
10	16QAM	1	49	18.87	19.05	18.97				
10	16QAM	25	0	18.97	19.06	19.18	20	0		
10	16QAM	25	12	18.90	18.95	19.05				
10	16QAM	25	25	18.92	19.06	18.92	20	0		
10	16QAM	50	0	19.02	18.99	19.01				
10	64QAM	1	0	18.83	19.02	18.99	20	0		
10	64QAM	1	25	19.09	19.15	19.08				
10	64QAM	1	49	18.86	18.99	18.85	20	0		
10	64QAM	25	0	19.04	19.15	19.05				
10	64QAM	25	12	18.83	18.92	18.93	20	0		
10	64QAM	25	25	18.93	19.07	19.06				
10	64QAM	50	0	18.91	19.02	18.96				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	19.01	19.13	19.01	20	0		
5	QPSK	1	12	19.05	19.07	19.01				
5	QPSK	1	24	18.79	18.99	19.02	20	0		
5	QPSK	12	0	19.08	19.09	19.06				
5	QPSK	12	7	18.91	18.98	18.97	20	0		
5	QPSK	12	13	19.01	19.05	18.95				
5	QPSK	25	0	18.94	18.97	18.97	20	0		
5	16QAM	1	0	19.09	19.15	19.04				
5	16QAM	1	12	19.14	19.15	19.03	20	0		
5	16QAM	1	24	18.85	18.97	18.88				
5	16QAM	12	0	19.04	19.07	19.13	20	0		
5	16QAM	12	7	19.02	19.03	18.93				
5	16QAM	12	13	18.83	18.95	18.90	20	0		
5	16QAM	25	0	18.96	19.12	19.02				
5	64QAM	1	0	18.95	19.04	18.92	20	0		
5	64QAM	1	12	19.07	19.07	19.04				
5	64QAM	1	24	18.93	19.06	18.90	20	0		
5	64QAM	12	0	18.95	19.20	19.06				
5	64QAM	12	7	18.92	18.96	18.79	20	0		
5	64QAM	12	13	18.94	19.13	19.00				
5	64QAM	25	0	18.91	19.07	18.93				

Band 41 Ant1 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.13	19.16	19.33	19.25	19.22	20	0
20	QPSK	1	49	19.06	19.08	19.25	19.20	19.14		
20	QPSK	1	99	19.10	19.16	19.29	19.26	19.18	20	0
20	QPSK	50	0	18.96	19.02	19.21	19.08	19.12		
20	QPSK	50	24	18.97	19.03	19.20	19.04	19.08	20	0
20	QPSK	50	50	18.93	18.96	19.12	18.97	19.06		
20	QPSK	100	0	18.13	19.03	19.28	19.14	19.22	20	0
20	16QAM	1	0	19.05	19.03	19.28	19.25	19.15		
20	16QAM	1	49	19.01	19.08	19.21	19.09	19.14	20	0
20	16QAM	1	99	19.03	19.00	19.16	19.04	19.12		
20	16QAM	50	0	19.02	19.04	19.18	19.13	19.15	20	0
20	16QAM	50	24	19.11	19.05	19.23	19.21	19.16		
20	16QAM	50	50	19.16	19.11	19.29	19.27	19.16	20	0
20	16QAM	100	0	18.92	18.92	19.19	19.10	19.12		
20	64QAM	1	0	18.96	19.01	19.19	19.14	19.08	20	0
20	64QAM	1	49	19.10	19.09	19.25	19.12	19.17		
20	64QAM	1	99	19.01	19.00	19.18	19.14	19.16	20	0
20	64QAM	50	0	19.07	19.01	19.26	19.15	19.14		
20	64QAM	50	24	18.95	19.02	19.19	19.05	19.11	20	0
20	64QAM	50	50	18.95	18.91	19.16	19.08	19.05		
20	64QAM	100	0	19.03	19.09	19.22	19.20	19.16		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	18.98	19.12	19.25	19.14	19.09	20	0
15	QPSK	1	37	18.95	18.93	19.18	19.09	19.01		
15	QPSK	1	74	18.95	19.11	19.24	19.17	19.09	20	0
15	QPSK	36	0	18.92	18.88	19.11	19.05	19.08		
15	QPSK	36	20	18.82	18.92	19.15	19.02	18.91	20	0
15	QPSK	36	39	18.77	18.88	19.09	18.95	18.91		
15	QPSK	75	0	18.99	18.96	19.16	19.12	19.09	20	0
15	16QAM	1	0	18.99	18.96	19.18	19.23	19.07		
15	16QAM	1	37	18.92	19.01	19.10	19.02	18.99	20	0
15	16QAM	1	74	18.99	18.90	19.04	18.99	18.96		
15	16QAM	36	0	18.89	18.91	19.10	19.03	19.04	20	0
15	16QAM	36	20	19.03	18.97	19.19	19.09	19.03		
15	16QAM	36	39	19.07	19.01	19.19	19.17	19.14	20	0
15	16QAM	75	0	18.80	18.86	19.16	19.00	19.10		
15	64QAM									



Ant 0 Full Power&DSI1

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	24.46	25.50
21100	21298	QPSK	1	99	1	0	24.55	25.50
21350	21152	QPSK	1	0	1	99	24.37	25.50
20850	21048	QPSK	50	50	50	0	23.33	24.50
21100	21298	QPSK	50	50	50	0	23.36	24.50
21350	21152	QPSK	50	0	50	50	23.28	24.50

Ant 0 Full Power&DSI1&DSI2

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.31	25.50
37901	38099	QPSK	1	99	1	0	24.45	25.50
38150	37952	QPSK	1	0	1	99	24.46	25.50
37850	38048	QPSK	50	50	50	0	23.29	24.50
37901	38099	QPSK	50	50	50	0	23.34	24.50
38150	37952	QPSK	50	0	50	50	23.24	24.50

Ant 1 Full Power&DSI2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	24.58	25.50
21100	21298	QPSK	1	99	1	0	24.61	25.50
21350	21152	QPSK	1	0	1	99	24.52	25.50

Ant 1 Full Power&DSI2

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.29	25.50
37901	38099	QPSK	1	99	1	0	24.41	25.50
38150	37952	QPSK	1	0	1	99	24.36	25.50



Ant 0 DSI2

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.00	24.00
21100	21298	QPSK	1	99	1	0	23.14	24.00
21350	21152	QPSK	1	0	1	99	23.05	24.00
20850	21048	QPSK	50	50	50	0	23.01	24.00
21100	21298	QPSK	50	50	50	0	23.11	24.00
21350	21152	QPSK	50	0	50	50	22.98	24.00

Ant 0 DSI4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.06	19.00
21100	21298	QPSK	1	99	1	0	18.24	19.00
21350	21152	QPSK	1	0	1	99	18.13	19.00
20850	21048	QPSK	50	50	50	0	17.95	19.00
21100	21298	QPSK	50	50	50	0	18.02	19.00
21350	21152	QPSK	50	0	50	50	17.96	19.00

Ant 1 DSI1

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.14	17.00
21100	21298	QPSK	1	99	1	0	16.22	17.00
21350	21152	QPSK	1	0	1	99	16.07	17.00

Ant 1 DSI4

CA_7C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.21	19.00
21100	21298	QPSK	1	99	1	0	18.30	19.00
21350	21152	QPSK	1	0	1	99	18.15	19.00

Ant 0 DSI4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.92	21.00
37901	38099	QPSK	1	99	1	0	20.06	21.00
38150	37952	QPSK	1	0	1	99	19.99	21.00
37850	38048	QPSK	50	50	50	0	19.85	21.00
37901	38099	QPSK	50	50	50	0	20.01	21.00
38150	37952	QPSK	50	0	50	50	19.88	21.00

Ant 1 DSI1

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	16.88	18.00
37901	38099	QPSK	1	99	1	0	17.07	18.00
38150	37952	QPSK	1	0	1	99	17.03	18.00

Ant 1 DSI4

CA_38C								
Combination 20MHz+20MHz (1RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.06	20.00
37901	38099	QPSK	1	99	1	0	19.17	20.00
38150	37952	QPSK	1	0	1	99	18.95	20.00



2CA DL

CA List	PCC									SCC				Power		
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2554.8	3298			24.46	24.60
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 7	20M	2554.8	3298			24.76	24.81
CA_38C	Band 38	Ant0	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.8	38048			24.62	24.70
	Band 38	Ant1	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.8	38048			24.46	24.60
CA_41C	Band 41	Ant0	20M	2593	49820	QPSK	1	0	Band 41	20M	2612.8	40818			24.57	24.73
	Band 41	Ant1	20M	2593	49820	QPSK	1	0	Band 41	20M	2612.8	40818			24.54	24.68



2.4GHz WLAN				Ant 3 Full Power		Ant 3 Receiver On for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11b 1Mbps	1	2412	19.20	20.00	16.75	17.50	98.07	
	6	2437	18.89	20.00	16.48	17.50		
	11	2462	18.85	20.00	16.46	17.50		
802.11g 6Mbps	1	2412	18.16	19.00		17.50	97.46	
	6	2437	18.02	19.00		17.50		
	11	2462	17.36	18.50		17.50		
802.11n-HT20 MCS0	1	2412	18.08	19.00		17.50	97.30	
	6	2437	17.90	19.00		17.50		
	11	2462	17.31	18.50		17.50		

5.2GHz WLAN				Ant 3 Full Power		Ant 3 Receiver On for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	36	5180	16.89	17.50		13.50	97.46	
	40	5200	16.96	17.50		13.50		
	44	5220	16.98	17.50		13.50		
	48	5240	17.02	17.50		13.50		
802.11n-HT20 MCS0	36	5180	16.00	17.00		13.50	97.30	
	40	5200	16.12	17.00		13.50		
	44	5220	16.19	17.00		13.50		
802.11n-HT40 MCS0	38	5190	15.27	16.00		13.50	95.10	
	46	5230	15.39	16.00		12.89		13.50
	40	5200	16.15	17.00		13.50		
802.11ac-VHT20 MCS0	36	5180	16.08	17.00		13.50	97.52	
	40	5200	16.15	17.00		13.50		
	44	5220	16.20	17.00		13.50		
802.11ac-VHT40 MCS0	38	5190	15.31	16.50		13.50	94.55	
	46	5230	15.45	16.50		13.50		
	42	5210	12.68	13.00		13.00		

5.3GHz WLAN				Ant 3 Full Power		Ant 3 Receiver On for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260	16.23	17.50		13.50	97.46	
	56	5280	16.18	17.50		13.50		
	60	5300	16.14	17.50		13.50		
	64	5320	16.36	17.50		13.50		
802.11n-HT20 MCS0	52	5260	15.29	16.00		13.50	97.30	
	56	5280	15.23	16.00		13.50		
	60	5300	15.24	16.00		13.50		
	64	5320	15.46	16.50		13.50		
802.11n-HT40 MCS0	54	5270	14.40	15.00		13.50	95.10	
	62	5310	13.33	14.00		13.50		
	52	5260	15.33	16.00		13.50		
802.11ac-VHT20 MCS0	56	5280	15.26	16.00		13.50	97.52	
	60	5300	15.27	16.00		13.50		
	64	5320	15.48	16.50		13.50		
	54	5270	14.46	15.50		13.50		
802.11ac-VHT40 MCS0	62	5310	13.40	14.50		13.50	94.55	
	58	5290	12.24	13.50		12.24		13.50
	58	5290	12.24	13.50		12.24		13.50

5.5GHz WLAN				Ant 3 Full Power		Ant 3 Receiver On for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	100	5900	13.52	14.00		10.00	97.46	
	116	5980	13.76	14.50		10.00		
	124	5620	13.34	14.00		10.00		
	132	5660	13.39	14.00		10.00		
	140	5700	13.55	14.00		10.00		
802.11n-HT20 MCS0	100	5900	13.72	14.50		10.00	97.30	
	116	5980	13.76	14.50		10.00		
	124	5620	13.29	14.00		10.00		
	132	5660	13.30	14.50		10.00		
	140	5700	13.53	14.50		10.00		
802.11n-HT40 MCS0	102	5510	14.03	15.00		10.00	95.10	
	110	5550	13.88	15.00		10.00		
	126	5630	13.31	14.00		10.00		
	134	5670	13.35	14.00		10.00		
802.11ac-VHT20 MCS0	100	5900	13.76	14.50		10.00	97.52	
	116	5980	13.80	14.50		10.00		
	124	5620	13.35	14.50		10.00		
	132	5660	13.39	14.50		10.00		
802.11ac-VHT40 MCS0	102	5510	14.09	15.00		10.00	94.55	
	110	5550	13.95	15.00		10.00		
	126	5630	13.37	14.50		10.00		
	134	5670	13.41	14.50		10.00		
802.11ac-VHT80 MCS0	106	5530	12.05	13.00		9.09	10.00	
	122	5610	13.28	14.00		7.97		8.50

5.8GHz WLAN				Ant 3 Full Power		Ant 3 Receiver On for Head		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	149	5745	14.30	15.00		11.50	97.46	
	157	5785	15.07	16.00		11.50		
	165	5825	14.92	16.00		11.50		
802.11n-HT20 MCS0	149	5745	14.43	15.50		11.50	97.30	
	157	5785	15.25	16.00		11.50		
	165	5825	14.71	15.50		11.50		
802.11n-HT40 MCS0	151	5755	14.28	15.00		11.50	95.10	
	159	5795	15.11	16.00		11.50		
	149	5745	14.46	15.50		11.50		
802.11ac-VHT20 MCS0	157	5785	15.28	16.00		11.50	97.52	
	165	5825	14.82	15.50		11.50		
	151	5755	14.33	15.00		9.39		10.00
802.11ac-VHT40 MCS0	159	5795	15.15	16.00		10.10	11.00	
	155	5775	14.41	15.50		10.45		11.50



BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.31	3.69	3.67
	CH 39	2441	11.22	3.48	3.45
	CH 78	2480	10.93	4.10	4.13
Tune-up Limit			12.5	5	5

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-2.37
	CH 19	2440	-2.64
	CH 39	2480	-3.18
Tune-up Limit			0