

**Full & Default Power Mode**

GSM850 Default														
GSM850 Ant1			Burst Average Power (dBm)			Tune-up			Frame-Average Power (dBm)					
TX Channel			159	160	251	Limit			159	160	251	Limit		
Frequency (MHz)			824.2	836.4	848.8	(dBm)			824.2	836.4	848.8	(dBm)		
GPRS 4 Tx slots			26.31	26.58	26.46	27.50			23.31	23.58	23.48	24.50		
GSM1900 Default														
GSM1900 Ant1			Burst Average Power (dBm)			Tune-up			Frame-Average Power (dBm)					
TX Channel			512	661	810	Limit			512	661	810	Limit		
Frequency (MHz)			1852.2	1850	1909.8	(dBm)			1852.2	1850	1909.8	(dBm)		
GPRS 4 Tx slots			23.35	23.61	23.69	24.50			20.35	20.61	20.48	21.50		

  

WCDMA II Default				WCDMA IV Default				WCDMA V Default					
Band		WCDMA II Ant1		Tune-up Limit (dBm)	WCDMA IV Ant1		Tune-up Limit (dBm)	WCDMA V Ant1		Tune-up Limit (dBm)			
TX Channel		9262	9400		9538	1312		1413	1513		4132	4162	4233
RX Channel		9682	9600	9538	1537	1538	1736	4357	4407	4469			
Frequency (MHz)		1852.4	1850	1909.8	1122.4	1732.8	1752.8	826.4	836.4	846.8			
3GPP Rel 99		23.48	23.66	23.57	25.00	23.69	23.83	23.59	25.00	23.75	23.84	23.81	25.00
RMC 12.2Kbps													

Band 2 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1890	1890	1900			
20	QPSK	1	0	24.19	24.48	24.27	25.5	0	
20	QPSK	50	0	23.17	23.37	23.21	24.5	1	
20	QPSK	100	0	23.19	23.31	23.12			

Band 4 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20950	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	24.06	24.37	24.34	25.5	0	
20	QPSK	50	0	23.21	23.35	23.31	24.5	1	
20	QPSK	100	0	23.10	23.34	23.32			

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)				824	836.5	844			
10	QPSK	1	0	23.92	23.99	23.98	25.5	0	
10	QPSK	25	0	22.92	23.08	22.95	24.5	1	
10	QPSK	50	0	22.91	23.05	22.97			

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	2528	2550			
20	QPSK	1	0	23.84	23.88	23.67	25.5	0	
20	QPSK	50	0	22.68	22.78	22.59	24.5	1	
20	QPSK	100	0	22.64	22.72	22.63			

Band 26 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				321.5	331.5	341.5			
15	QPSK	1	0	23.95	24.02	23.92	25.5	0	
15	QPSK	36	0	22.79	22.84	22.61	24.5	1	
15	QPSK	75	0	22.65	22.77	22.76			

Band 66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	24.16	24.38	24.18	25.5	0	
20	QPSK	50	0	23.48	23.55	23.46	24.5	1	
20	QPSK	100	0	23.34	23.48	23.36			

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)				2590	2595	2610			
20	QPSK	1	0	23.54	23.64	23.58	25	0	
20	QPSK	50	0	22.74	22.86	22.63	24	1	
20	QPSK	100	0	22.49	22.51	22.41			

Band 41 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2596	2598.5	2593	2596.5	2600	
20	QPSK	1	0	23.42	23.49	23.75	23.52	23.45	25
20	QPSK	50	0	22.62	22.52	22.86	22.53	22.60	24
20	QPSK	100	0	22.63	22.48	22.75	22.45	22.54	

GSM850 Default									
GSM850 Antd		Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	834.4	848.8	(dBm)	824.2	834.4	848.8	(dBm)
GPRS 3 Tx slots		27.61	27.76	27.66	29.50	23.35	23.50	23.40	25.24
GSM1900 Default									
GSM1900 Antd		Burst Average Power (dBm)			Tune-up	Frame Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GPRS 2 Tx slots		26.16	26.57	26.31	27.50	20.18	20.57	20.31	21.50

  

WCDMA II Default					WCDMA IV Default					WCDMA V Default				
Band		WCDMA II Antd			Tune-up	WCDMA IV Antd			Tune-up	WCDMA V Antd			Tune-up	
TX Channel		9662	9600	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Rx Channel		9662	9600	9538	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)		1852.4	1860	1907.8		1712.4	1732.6	1752.8		826.4	838.4	846.6		
SCPP Ref 59	RAIC 12.2kbps	23.27	23.36	23.26	25.00	23.20	23.24	23.21	25.00	23.47	23.57	23.52	25.00	

Band 2 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1890	1900			
20	QPSK	1	0	23.93	24.17	23.98	25.5	0	
20	QPSK	50	0	23.06	23.16	23.11	24.5	1	
20	QPSK	100	0	23.09	23.15	23.12			

Band 7 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				20850	20950	20900			
20	QPSK	1	0	23.83	24.01	23.76	25.5	0	
20	QPSK	50	0	22.68	22.71	22.56	24.5	1	
20	QPSK	100	0	22.59	22.67	22.61			

Band 38 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				37850	37900	37900			
20	QPSK	1	0	23.57	23.69	23.55	25	0	
20	QPSK	50	0	22.57	22.88	22.83	24	1	
20	QPSK	100	0	22.67	22.81	22.51			

Band 4 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.78	24.07	23.96	25.5	0	
20	QPSK	50	0	22.98	23.01	22.79	24.5	1	
20	QPSK	100	0	22.91	23.02	23.01			

Band 26 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				3215	3315	3415			
15	QPSK	1	0	23.98	24.12	23.75	25.5	0	
15	QPSK	36	0	22.89	22.93	22.77	24.5	1	
15	QPSK	75	0	22.69	22.73	22.59			

Band 41 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2500	2540.5	2593	2630.5	2690	
20	QPSK	1	0	23.57	23.66	23.94	23.91	23.71	25
20	QPSK	50	0	22.86	22.83	22.99	22.69	22.68	24
20	QPSK	100	0	22.79	22.77	22.92	22.81	22.73	

Band 5 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.94	24.10	23.97	25.5	0	
10	QPSK	25	0	22.96	22.99	22.69	24.5	1	
10	QPSK	50	0	22.78	23.03	22.93			

Band 66 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	24.00	24.12	23.86	25.5	0	
20	QPSK	50	0	23.14	23.19	23.00	24.5	1	
20	QPSK	100	0	23.02	23.06	22.97			

Reduced Power Mode for DSI 1

GSM850 Default									
GSM850 Ant1		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
Tx Channel	128	169	251	Limit	128	169	251	Limit	
Frequency (MHz)	824.2	834.4	844.6	(dBm)	824.2	834.4	844.6	(dBm)	
GPRS 4 Tx slots	26.31	26.58	26.48	27.50	23.31	23.58	23.48	24.50	

  

GSM1900 Default									
GSM1900 Ant1		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
Tx Channel	512	661	810	Limit	512	661	810	Limit	
Frequency (MHz)	1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)	
GPRS 4 Tx slots	23.35	23.61	23.46	24.50	20.35	20.61	20.46	21.50	

  

WCDMA II Default				WCDMA IV Default				WCDMA V Default				
Band	WCDMA II Ant1			Tune-up	WCDMA IV Ant1			Tune-up	WCDMA V Ant1			Tune-up
Tx Channel	9262	9405	9538	Limit	1312	1413	1513	Limit	4152	4162	4233	Limit
Rx Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Frequency (MHz)	1852.4	1860	1907.6		1722.4	1723.6	1725.6		386.4	386.4	386.6	
3GPP Rel 99	23.48	23.66	23.57	25.00	23.69	23.63	23.59	25.00	23.75	23.64	23.61	25.00

Band 2 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1890	1930			
20	QPSK	1	0	24.19	24.46	24.27	25.5	0	
20	QPSK	50	0	23.17	23.37	23.21	24.5	1	
20	QPSK	100	0	23.19	23.31	23.12			

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)				20710	2035	2090			
20	QPSK	1	0	23.84	23.86	23.67	25.5	0	
20	QPSK	50	0	22.68	22.78	22.58	24.5	1	
20	QPSK	100	0	22.64	22.72	22.63			

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)				2990	2995	2910			
20	QPSK	1	0	23.54	23.64	23.56	25	0	
20	QPSK	50	0	22.74	22.86	22.63	24	1	
20	QPSK	100	0	22.49	22.51	22.41			

Band 4 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20176	20300			
Frequency (MHz)				1120	132.5	1745			
20	QPSK	1	0	24.06	24.37	24.34	25.5	0	
20	QPSK	50	0	23.21	23.35	23.31	24.5	1	
20	QPSK	100	0	23.10	23.34	23.32			

Band 26 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26768	26866	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.85	24.02	23.92	25.5	0	
15	QPSK	36	0	22.79	22.84	22.61	24.5	1	
15	QPSK	75	0	22.65	22.77	22.76			

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				38750	40185	40600	41065	41490		
Frequency (MHz)				2508	2649.5	2593	2636.5	2680		
20	QPSK	1	0	23.42	23.49	23.75	23.52	23.46	25	0
20	QPSK	50	0	22.62	22.52	22.86	22.53	22.60		1
20	QPSK	100	0	22.63	22.48	22.75	22.45	22.54		

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)				890	838.5	844			
10	QPSK	1	0	23.92	23.99	23.98	25.5	0	
10	QPSK	25	0	22.92	23.08	22.95	24.5	1	
10	QPSK	50	0	22.91	23.05	22.97			

Band 66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	24.16	24.38	24.18	25.5	0	
20	QPSK	50	0	23.48	23.55	23.46	24.5	1	
20	QPSK	100	0	23.34	23.48	23.36			

GSM850 DSH									
GSM850 Ant4		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	834.4	848.8	(dBm)	824.2	834.4	848.8	(dBm)
GPRS 4 Tx slots		23.29	23.46	23.57	24.50	20.29	20.46	20.57	21.50
GSM1900 Default									
GSM1900 Ant4		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GPRS 2 Tx slots		26.16	26.57	26.31	27.50	20.16	20.57	20.31	21.50

  

WCDMA II DSH					WCDMA IV DSH					WCDMA V DSH				
Band		WCDMA II Ant4			Tune-up	WCDMA IV Ant4			Tune-up	WCDMA V Ant4			Tune-up	
TX Channel		9662	9600	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Rx Channel		9662	9600	9538	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		526.4	538.4	546.6		
SCPP Rel 99	RMS 12.2kHps	17.76	17.93	17.89	19.00	13.69	14.23	14.06	15.50	22.41	22.53	22.39	23.50	

Band 2 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	18.14	18.26	18.25	19.5	0	
20	QPSK	50	0	18.20	18.24	18.18			
20	QPSK	100	0	18.14	18.23	18.15	19.5	0	

Band 7 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				20910	2095	2090			
20	QPSK	1	0	17.23	17.38	17.30	18.5	0	
20	QPSK	50	0	17.22	17.37	17.35			
20	QPSK	100	0	17.24	17.34	17.32	18.5	0	

Band 38 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.84	20.18	19.93	21	0	
20	QPSK	50	0	19.75	19.93	19.76			
20	QPSK	100	0	19.77	19.81	19.88	21	0	

Band 4 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	13.89	14.28	13.91	15.5	0	
20	QPSK	50	0	13.76	13.78	13.68			
20	QPSK	100	0	13.84	13.91	13.88	15.5	0	

Band 26 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26885	26995			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.10	22.13	21.97	23.5	0	
15	QPSK	36	0	22.01	22.08	21.89			
15	QPSK	75	0	22.02	22.03	21.84	23.5	0	

Band 41 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2500	2549.5	2593			
20	QPSK	1	0	19.69	19.68	20.21	19.61	19.77	21
20	QPSK	50	0	19.68	19.76	19.93	19.75	19.83	
20	QPSK	100	0	19.59	19.87	20.03	19.64	19.58	21

Band 5 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				849	836.5	844			
10	QPSK	1	0	21.94	22.06	21.92	23.5	0	
10	QPSK	25	0	21.86	21.97	21.91			
10	QPSK	50	0	21.84	21.93	21.87	23.5	0	

Band 66 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	14.13	14.32	13.97	15.5	0	
20	QPSK	50	0	14.29	14.30	14.09			
20	QPSK	100	0	14.16	14.19	14.11	15.5	0	

Reduced Power Mode for DSI3

GSM850 DSI3									
GSM850 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	128	189	251	128		189	251		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GPRS 2 Tx slots	21.31	21.43	21.42	23.00	18.31	18.43	18.42	20.00	

  

GSM1900 DSI3									
GSM1900 Ant1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	512	661	810	512		661	810		
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8		
GPRS 2 Tx slots	25.07	26.13	25.89	27.00	19.67	20.13	19.89	21.00	

  

WCDMA II DSI3					WCDMA IV DSI3					WCDMA V Ant1				
Band		WCDMA II Ant1			Tune-up Limit (dBm)	WCDMA IV Ant1			Tune-up Limit (dBm)	WCDMA V Ant1			Tune-up Limit (dBm)	
Tx Channel	9282	9600	9938	1312		1413	1513	4132		4152	4233			
Rx Channel	9682	9800	9938		1537	1638	1738	4357	4467	4488				
Frequency (MHz)	1852.4	1860	1907.6		1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99 RMC 12.2Mbps	21.57	21.65	21.43	22.50	21.68	21.79	21.66	22.50	23.75	23.64	23.61	25.00		



Band 2 Ant1 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1890	1900			
20	QPSK	1	0	21.64	21.93	21.71	23	0	
20	QPSK	50	0	21.69	21.76	21.74	23	0	
20	QPSK	100	0	21.65	21.79	21.68	23	0	

Band 4 Ant1 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20176	20300			
Frequency (MHz)				1920	19345	1745			
20	QPSK	1	0	21.57	21.86	21.65	23	0	
20	QPSK	50	0	21.39	21.43	21.34	23	0	
20	QPSK	100	0	21.43	21.48	21.37	23	0	

Band 5 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20526	20600			
Frequency (MHz)				320	338.5	344			
10	QPSK	1	0	23.92	23.99	23.98	25.5	0	
10	QPSK	25	0	22.92	23.08	22.95	24.5	1	
10	QPSK	50	0	22.91	23.05	22.97	24.5	1	

Band 7 Ant1 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.26	19.33	19.17	21	0	
20	QPSK	50	0	19.19	19.26	19.11	21	0	
20	QPSK	100	0	19.16	19.25	19.21	21	0	

Band 26 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.95	24.02	23.92	25.5	0	
15	QPSK	36	0	22.79	22.84	22.61	24.5	1	
15	QPSK	75	0	22.62	22.77	22.76	24.5	1	

Band 66 Ant1 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.97	22.37	21.93	23.5	0	
20	QPSK	50	0	22.14	22.15	22.13	23.5	0	
20	QPSK	100	0	22.16	22.31	22.21	23.5	0	

Band 38 Ant1 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2490	2495	2510			
20	QPSK	1	0	22.45	22.49	22.47	23.5	0	
20	QPSK	50	0	22.41	22.47	22.45	23.5	0	
20	QPSK	100	0	22.42	22.45	22.41	23.5	0	

Band 41 Ant1 DSI3										
BW [MHz]	Modulat ion	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)				2526	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.16	22.17	22.50	22.21	22.25	23.5	0
20	QPSK	50	0	22.42	22.42	22.46	22.42	22.20	23.5	0
20	QPSK	100	0	22.35	22.32	22.39	22.22	22.29	23.5	0

GSM850 DSS									
GSM850 Anst		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	834.4	848.8	(dBm)	824.2	834.4	848.8	(dBm)
GPRS 3 Tx slots		27.03	27.16	27.65	29.00	22.77	22.90	22.79	24.74
GSM1900 DSS									
GSM1900 Anst		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GPRS 2 Tx slots		25.81	26.02	25.71	27.00	19.81	20.02	19.71	21.00

  

WCDMA II DSS					WCDMA IV DSS					WCDMA V Anst				
Band		WCDMA II Anst			Tune-up	WCDMA IV Anst			Tune-up	WCDMA V Anst			Tune-up	
TX Channel		962	960	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Rx Channel		9662	9600	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)		1852.4	1880	1907.8		1712.4	1732.6	1752.8		826.4	838.4	846.6		
SCPP Ref 59	RAIC 12.2kbps	19.29	19.31	19.18	20.50	17.75	17.85	17.68	19.00	23.47	23.57	23.32	25.00	

Band 2 Ant4 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1890	1930			
20	QPSK	1	0	17.97	18.06	18.08	19.5	0	
20	QPSK	50	0	18.03	18.07	18.01			
20	QPSK	100	0	17.97	18.06	17.98	19.5	0	

Band 4 Ant4 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1920	19245	1943			
20	QPSK	1	0	16.76	17.21	17.04	18.5	0	
20	QPSK	50	0	16.81	16.95	16.88			
20	QPSK	100	0	16.85	16.93	16.90	16.5	0	

Band 5 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				200	202.5	214			
10	QPSK	1	0	23.94	24.10	23.97	25.5	0	
10	QPSK	25	0	22.86	22.99	22.69			
10	QPSK	50	0	22.78	23.03	22.93	24.5	1	

Band 7 Ant4 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20550	21100	21550			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	17.91	18.13	17.88	19.5	0	
20	QPSK	50	0	17.80	17.81	17.78			
20	QPSK	100	0	17.71	17.72	17.67	19.5	0	

Band 26 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20765	20865	20965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.96	24.12	23.75	25.5	0	
15	QPSK	36	0	22.89	22.93	22.77			
15	QPSK	75	0	22.69	22.73	22.59	24.5	1	

Band 66 Ant4 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132072	133272			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	17.78	18.12	17.71	19.5	0	
20	QPSK	50	0	17.81	17.85	17.80			
20	QPSK	100	0	17.80	17.81	17.78	19.5	0	

Band 38 Ant4 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2490	2495	2510			
20	QPSK	1	0	20.23	20.26	20.20	21.5	0	
20	QPSK	50	0	20.17	20.23	20.21			
20	QPSK	100	0	20.25	20.26	20.24	21.5	0	

Band 41 Ant4 DSI3									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2500	2540.5	2593			
20	QPSK	1	0	20.05	20.16	20.66	20.17	20.26	21.5
20	QPSK	50	0	20.10	20.21	20.43	20.17	20.20	
20	QPSK	100	0	20.21	20.17	20.45	20.14	20.18	21.5

Reduced Power Mode for DSI4

GSM850 Default									
GSM850 Ant1		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	834.4	848.8	(dBm)	824.2	834.4	848.8	(dBm)
GPRS 4 Tx slots		23.11	23.53	23.63	23.50	23.31	23.53	23.43	24.50
GSM1900 Default									
GSM1900 Ant1		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	691	910	Limit	512	691	910	Limit
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GPRS 4 Tx slots		23.35	23.61	23.46	24.50	20.35	20.61	20.46	21.50

  

WCDMA II Default					WCDMA IV Default					WCDMA V Default				
Band	WCDMA II Ant1			Tune-up	WCDMA IV Ant1			Tune-up	WCDMA V Ant1			Tune-up		
TX Channel	9662	9600	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit		
Rx Channel	9662	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)		
Frequency (MHz)	1952.4	1880	1907.8		1712.4	1732.6	1752.6		826.4	838.4	846.6			
SCPP Ref 99	RMC 12 240bps	23.48	23.66	23.57	25.00	23.69	23.83	23.59	25.00	23.75	23.84	23.61	25.00	

Band 2 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	24.19	24.46	24.27	25.5	0	
20	QPSK	50	0	23.17	23.37	23.21	24.5	1	
20	QPSK	100	0	23.19	23.31	23.12	24.5	1	

Band 7 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.84	23.88	23.87	25.5	0	
20	QPSK	50	0	22.68	22.76	22.59	24.5	1	
20	QPSK	100	0	22.64	22.72	22.63	24.5	1	

Band 38 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.54	23.64	23.56	25	0	
20	QPSK	50	0	22.74	22.86	22.63	24	1	
20	QPSK	100	0	22.49	22.51	22.41	24	1	

Band 4 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20350	20175	20300			
Frequency (MHz)				1220	1232.5	1245			
20	QPSK	1	0	24.06	24.37	24.34	25.5	0	
20	QPSK	50	0	23.21	23.35	23.31	24.5	1	
20	QPSK	100	0	23.10	23.34	23.32	24.5	1	

Band 26 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				821.5	831.5	841.5			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.95	24.02	23.92	25.5	0	
15	QPSK	96	0	22.79	22.84	22.61	24.5	1	
15	QPSK	75	0	22.65	22.77	22.76	24.5	1	

Band 41 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2658	2691.5	2725			
20	QPSK	1	0	23.42	23.49	23.75	23.52	23.46	25
20	QPSK	50	0	22.62	22.52	22.86	22.53	22.80	24
20	QPSK	100	0	22.63	22.48	22.75	22.45	22.54	24

Band 5 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				900	938.5	944			
10	QPSK	1	0	23.92	23.99	23.98	25.5	0	
10	QPSK	25	0	22.82	23.08	22.95	24.5	1	
10	QPSK	50	0	22.91	23.05	22.97	24.5	1	

Band 66 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	24.16	24.38	24.18	25.5	0	
20	QPSK	50	0	23.48	23.55	23.46	24.5	1	
20	QPSK	100	0	23.34	23.48	23.36	24.5	1	

GSM850 Default									
GSM850 Asst.		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	834.4	848.8	(dBm)	824.2	834.4	848.8	(dBm)
GPRS 3 Tx slots		27.51	27.76	27.64	29.50	23.33	23.50	23.40	25.24
GSM1900 Default									
GSM1900 Asst.		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GPRS 2 Tx slots		26.18	26.57	26.31	27.50	20.18	20.57	20.31	21.50

  

WCDMA II Default					WCDMA IV DSH					WCDMA V Default				
Band		WCDMA II Asst.			Tune-up	WCDMA IV Asst.			Tune-up	WCDMA V Asst.			Tune-up	
TX Channel		9262	9400	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Rx Channel		9682	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.5	1752.5		526.4	538.4	546.5		
ICPP Rel 99		23.27	23.35	23.26	25.00	21.62	21.67	21.69	23.00	23.47	23.57	23.52	25.00	
RMC 12.2Mbps														

Band 2 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1900	1900	1900			
20	QPSK	1	0	23.93	24.17	23.98	25.5	0	
20	QPSK	50	0	23.06	23.16	23.11	24.5	1	
20	QPSK	100	0	23.09	23.15	23.12			

Band 7 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.83	24.01	23.76	25.5	0	
20	QPSK	50	0	22.88	22.71	22.56	24.5	1	
20	QPSK	100	0	22.59	22.67	22.61			

Band 38 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2650	2655	2610			
20	QPSK	1	0	23.57	23.65	23.55	25	0	
20	QPSK	50	0	22.57	22.89	22.63	24	1	
20	QPSK	100	0	22.67	22.81	22.51			

Band 4 Ant4 DSI4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2050	2075	2030			
20	QPSK	1	0	21.84	22.04	21.84	23.5	0	
20	QPSK	50	0	21.91	21.98	21.87	23.5	1	
20	QPSK	100	0	21.95	21.99	21.97			

Band 26 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.98	24.12	23.75	25.5	0	
15	QPSK	35	0	22.89	22.93	22.77	24.5	1	
15	QPSK	75	0	22.69	22.73	22.59			

Band 41 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				39750	40185	40620			
20	QPSK	1	0	23.57	23.58	23.94	23.81	23.71	25
20	QPSK	50	0	22.86	22.83	22.99	22.89	22.68	24
20	QPSK	100	0	22.79	22.77	22.92	22.81	22.73	1

Band 5 Ant4 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20450	20525	20600			
10	QPSK	1	0	23.94	24.10	23.97	25.5	0	
10	QPSK	25	0	22.86	22.99	22.69	24.5	1	
10	QPSK	50	0	22.78	23.03	22.93			

Band 66 Ant4 DSI4									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.78	22.05	21.83	23.5	0	
20	QPSK	50	0	21.67	21.73	21.71	23.5	1	
20	QPSK	100	0	21.71	21.74	21.67			

Reduced Power Mode for DSI5

GSM900 DSI5									
GSM900 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)				23.00				20.00	
GPRS 4 Tx slots	21.32	21.44	21.42		18.32	18.44	18.42		

  

GSM1900 DSI5									
GSM1900 Ant1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	861	810		512	861	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)				23.00				20.00	
GPRS 4 Tx slots	22.23	22.54	22.38		19.23	19.54	19.38		

  

Band	WCDMA I DSI5			Tune-up Limit (dBm)	WCDMA IV DSI5			Tune-up Limit (dBm)	WCDMA V Default		
	9282	9600	9538		1312	1413	1513		4132	4182	4233
TX Channel	9682	9800	9938		1537	1636	1738		4357	4407	4458
Rx Channel	1852.4	1880	1907.8		1712.4	1732.6	1752.6		826.4	836.4	846.6
Frequency (MHz)											
IGPP Rel 99	21.38	21.72	21.85	22.50	21.71	21.77	21.55	22.50	23.47	23.76	23.85
RMC 12.2Mbps											29.00



Band 2 Ant1 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1880	1880	1900			
20	QPSK	1	0	21.64	21.93	21.71			
20	QPSK	1	49	21.69	21.78	21.74			
20	QPSK	1	99	21.65	21.79	21.88	23	0	

Band 7 Ant1 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				20910	20935	20960			
20	QPSK	1	0	19.26	19.33	19.17	21	0	
20	QPSK	50	0	19.19	19.26	19.11	21	0	
20	QPSK	100	0	19.18	19.25	19.21	21	0	

Band 38 Ant1 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.45	22.49	22.47	23.5	0	
20	QPSK	50	0	22.41	22.47	22.45	23.5	0	
20	QPSK	100	0	22.42	22.45	22.41	23.5	0	

Band 4 Ant1 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.57	21.86	21.65			
20	QPSK	1	49	21.39	21.43	21.34	23	0	
20	QPSK	1	99	21.43	21.48	21.37			

Band 26 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.95	24.02	23.92	25.5	0	
15	QPSK	35	0	22.75	22.84	22.91	24.5	1	
15	QPSK	75	0	22.65	22.77	22.78			

Band 41 Ant1 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				30750	40185	40500			
Frequency (MHz)				2500	2549.5	2593			
20	QPSK	1	0	22.16	22.17	22.50	22.21	22.25	23.5
20	QPSK	50	0	22.38	22.42	22.46	22.42	22.20	23.5
20	QPSK	100	0	22.35	22.32	22.39	22.22	22.29	23.5

Band 5 Ant1 Default									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.92	23.99	23.98			
10	QPSK	1	25	22.92	23.08	22.95	25.5	0	
10	QPSK	1	49	22.91	23.05	22.97			

Band 66 Ant1 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.97	22.37	21.93	23.5	0	
20	QPSK	50	0	22.14	22.15	22.13	23.5	0	
20	QPSK	100	0	22.18	22.31	22.21	23.5	0	

GSM850 DSS									
GSM850 Antd		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit	128	189	251	Limit
Frequency (MHz)		824.2	834.4	848.8	(dBm)	824.2	834.4	848.8	(dBm)
GPRS 4 Tx slots		23.29	23.46	23.57	24.50	20.29	20.46	20.57	21.50
GSM1900 DSS									
GSM1900 Antd		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit	512	661	810	Limit
Frequency (MHz)		1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GPRS 2 Tx slots		25.81	26.02	25.71	27.00	19.81	20.02	19.71	21.00

  

WCDMA II DSS					WCDMA IV DSS					WCDMA V DSS				
Band		WCDMA II Antd			Tune-up	WCDMA IV Antd			Tune-up	WCDMA V Antd			Tune-up	
TX Channel		9662	9600	9538	Limit	1312	1413	1513	Limit	4132	4182	4233	Limit	
Rx Channel		9662	9600	9538	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)	
Frequency (MHz)		1852.4	1880	1907.8		1712.4	1732.6	1752.6		526.4	538.4	546.6		
SCPP Ref 59	RMS 12.2kHz	17.76	17.93	17.89	19.00	13.69	14.23	14.06	15.50	22.41	22.53	22.39	23.50	

Band 2 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18800	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	18.14	18.26	18.25	19.5	0	
20	QPSK	50	0	18.20	18.24	18.18			
20	QPSK	100	0	18.14	18.23	18.15	19.5	0	

Band 7 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20650	21100	21350			
Frequency (MHz)				20650	20850	20950			
20	QPSK	1	0	17.23	17.38	17.30	18.5	0	
20	QPSK	50	0	17.22	17.37	17.35			
20	QPSK	100	0	17.24	17.34	17.32	18.5	0	

Band 38 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.23	20.29	20.20	21.5	0	
20	QPSK	50	0	20.17	20.23	20.21			
20	QPSK	100	0	20.25	20.26	20.24	21.5	0	

Band 4 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1320	1325	1345			
20	QPSK	1	0	13.89	14.28	13.91	15.5	0	
20	QPSK	50	0	13.76	13.78	13.68			
20	QPSK	100	0	13.84	13.91	13.86	15.5	0	

Band 26 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20765	20865	20965			
Frequency (MHz)				2215	2215	2415			
15	QPSK	1	0	22.10	22.13	21.97	23.5	0	
15	QPSK	36	0	22.01	22.08	21.89			
15	QPSK	75	0	22.02	22.03	21.84	23.5	0	

Band 41 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620			
Frequency (MHz)				2508	2549.5	2593			
20	QPSK	1	0	20.05	20.16	20.68	20.17	20.28	21.5
20	QPSK	50	0	20.10	20.21	20.43	20.17	20.20	
20	QPSK	100	0	20.21	20.17	20.45	20.14	20.18	21.5

Band 5 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				220	230.5	244			
10	QPSK	1	0	21.94	22.06	21.92	23.5	0	
10	QPSK	25	0	21.86	21.97	21.91			
10	QPSK	50	0	21.84	21.93	21.87	23.5	0	

Band 66 Ant4 DSI5									
BW [MHz]	Modulat ion	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132372			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	14.13	14.32	13.97	15.5	0	
20	QPSK	50	0	14.29	14.12	14.09			
20	QPSK	100	0	14.16	14.19	14.11	15.5	0	

Ant #	Mode	Channel	Frequency (MHz)	Full power		Head Simultaneous		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.72	19.50	14.67	16.50	98.95
		6	2437		19.50		16.50	
		11	2462		16.50		16.50	
	802.11g 6Mbps	1	2412		17.00		16.50	97.92
		6	2437	no require	17.00	no require	16.50	
		11	2462		16.00		16.00	
802.11n-HT20 MCS0	1	2412		16.50		16.50	98.13	
	6	2437		16.50		16.50		
	11	2462		16.00		16.00		

Ant #	Mode	Channel	Frequency (MHz)	Full power		Hotspot Simultaneous		Head Simultaneous		Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5190		15.50		15.00	13.50	12.00	98.09
		40	5200	no require	15.50	no require	15.00	13.50	12.00	
		44	5220	13.51	15.50	13.04	15.00	13.50	12.00	
		48	5240		15.50		15.00	13.50	12.00	
		36	5190		15.50		15.00	13.50	12.00	
		40	5200		15.50		15.00	13.50	12.00	
	802.11n-HT20 MCS0	44	5220		15.50		15.00	13.50	12.00	97.95
		48	5240		15.50		15.00	13.50	12.00	
		38	5190		14.50		14.50	13.50	12.00	
	802.11n-HT40 MCS0	46	5220		14.50		14.50	13.50	12.00	94.90
		36	5190	no require	15.50	no require	15.00	13.50	12.00	
		40	5200		15.50		15.00	13.50	12.00	
	802.11ac-VHT20 MCS0	44	5220		15.50		15.00	13.50	12.00	98.47
		48	5240		15.50		15.00	13.50	12.00	
		38	5190		14.50		14.50	13.50	12.00	
	802.11ac-VHT40 MCS0	46	5220		14.50		14.50	13.50	12.00	93.88
		38	5190		14.50		14.50	13.50	12.00	
		42	5210	11.68	13.50		13.50	11.67	10.18	

Ant #	Mode	Channel	Frequency (MHz)	Full power		Head Simultaneous		Duty Cycle %		
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.3GHz WLAN	802.11a 6Mbps	52	5260		15.50		12.00	9.00	98.09	
		56	5280	no require	15.50		12.00	9.00		
		60	5300		15.50		12.00	9.00		
		64	5320	13.58	15.50		12.00	9.00		
	802.11n-HT20 MCS0	52	5260		15.50		12.00	9.00	97.95	
		56	5280		15.50		12.00	9.00		
		60	5300		15.50		12.00	9.00		
	802.11n-HT40 MCS0	62	5310	no require	14.50		12.00	9.00	94.90	
		52	5260		15.50		12.00	9.00		
		56	5280		15.50		12.00	9.00		
	802.11ac-VHT20 MCS0	60	5300		15.50		12.00	9.00	98.47	
		64	5320		15.50		12.00	9.00		
		60	5300		15.50		12.00	9.00		
	802.11ac-VHT40 MCS0	64	5320		15.50		12.00	9.00	93.88	
		54	5270		14.50		12.00	9.00		
		62	5310		14.50		12.00	9.00		
	802.11ac-VHT80 MCS0	58	5290	11.68	13.50	10.17	12.00	7.25	9.00	92.34

Ant #	Mode	Channel	Frequency (MHz)	Full power		Head Simultaneous		Duty Cycle %	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5600	13.50	15.50		13.00	10.00	98.09
		116	5680		15.50		13.00	10.00	
		124	5620		15.50		13.00	10.00	
		132	5660		15.50		13.00	10.00	
	802.11n-HT20 MCS0	140	5700		14.50		13.00	10.00	97.95
		100	5600		15.50		13.00	10.00	
		116	5680		15.50		13.00	10.00	
	802.11n-HT40 MCS0	124	5620		15.50		13.00	10.00	94.90
		132	5660		15.50		13.00	10.00	
		140	5700	no require	14.50	no require	13.00	10.00	
	802.11ac-VHT20 MCS0	102	5610		14.50		13.00	10.00	98.47
		110	5650	no require	14.50	no require	13.00	10.00	
		126	5630		14.50		13.00	10.00	
	802.11ac-VHT40 MCS0	134	5670		14.50		13.00	10.00	93.88
		102	5610		14.50		13.00	10.00	
		126	5630		14.50		13.00	10.00	
	802.11ac-VHT80 MCS0	134	5670		14.50		13.00	10.00	92.34
		106	5630	11.57	13.50	11.17	13.00	8.19	
122		5610		13.50		13.00	10.00		

Ant #	Mode	Channel	Frequency (MHz)	Full power		Head Simultaneous		Duty Cycle %	
				Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	149	5745		15.50		12.50	9.00	98.09
		157	5785	no require	15.50		12.50	9.00	
		165	5825	13.50	15.50		12.50	9.00	
	802.11n-HT20 MCS0	149	5745		15.50		12.50	9.00	97.95
		157	5785		15.50		12.50	9.00	
		165	5825		15.50		12.50	9.00	
	802.11n-HT40 MCS0	151	5755		14.50		12.50	9.00	94.90
		159	5795	no require	14.50	no require	12.50	9.00	
		149	5745		15.50		12.50	9.00	
	802.11ac-VHT20 MCS0	157	5785		15.50		12.50	9.00	98.47
		165	5825		15.50		12.50	9.00	
		151	5755		14.50		12.50	9.00	
	802.11ac-VHT40 MCS0	159	5795		14.50		12.50	9.00	93.88
		155	5775	11.80	13.50	10.83	12.50	9.00	
		155	5775		13.50		12.50	9.00	

**<Bluetooth>**

Mode	Channel	Frequency (MHz)	Avt11			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	no require			10.50
	CH 39	2441	0.76	0.07	6.05	10.50
	CH 78	2480	no require			10.50

  

Mode	Channel	Frequency (MHz)	Avt11	
			Average power (dBm)	FSK
LE	CH 00	2402	4.25	
	CH 19	2440	4.08	
	CH 39	2480	4.03	
Tune-up Limit			6.00	