

Full & Default Power Mode

GSM850 Ant1 Default									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 2 Tx slots		30.76	30.77	30.74	31.50	24.76	24.77	24.74	25.50
GSM1900 Ant1 Default									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1880	1909.8	
GPRS 2 Tx slots		27.12	27.47	27.46	28.50	21.12	21.47	21.46	22.50
WCDMA II Ant1 Default									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1860	1907.6		1742.4	1752.6	1752.6	
3GPP Rel 99 R4MC 12.2Kbps		23.34	23.41	23.25	25.00	23.18	23.22	23.10	25.00
WCDMA V Ant1 Default									
		WCDMA V			Tune-up Limit (dBm)				Tune-up Limit (dBm)
		4132	4182	4233		4357	4407	4458	
		826.4	836.4	846.6					
		23.81	23.84	23.79					

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	1880	1900		
20	QPSK	1	0	24.25	24.35	24.08	25.5	0

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	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	24.08	24.20	24.18	25.5	0	

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	24.01	24.11	24.04	25.5	0	

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				20650	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.85	23.89	23.68	25	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	24.05	24.16	23.92	25.5	0	

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	23.97	24.31	24.27	25.5	0	

Band 38 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.82	24.51	24.42	25	0

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	24.06	23.76	24.52	24.50	24.16	25	0

GSM850 Ant4 Default										
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GPRS 2 Tx slots		31.03	31.04	30.96	31.50	25.03	25.04	24.96	25.50	
GSM1900 Ant4 Default										
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GPRS 2 Tx slots		26.76	26.88	26.71	28.50	20.76	20.88	20.71	22.50	
WCDMA II Ant4 Default										
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
TX Channel		9262	9400	9538		1312	1413	1513		
Rx Channel		9662	9800	9938		1537	1638	1738		
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99 RMC 12.2Kbps		23.01	23.15	23.02	25.00	23.12	23.25	23.20	25.00	
WCDMA V Ant4 Default										
		WCDMA V			Tune-up Limit (dBm)				Tune-up Limit (dBm)	
		4132	4182	4233		4357	4407	4458		
		826.4	836.4	846.6		826.4	836.4	846.6		
		23.39	23.51	23.50	25.00	23.39	23.51	23.50	25.00	

Band 2 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.79	23.94	23.64	25	0	

Band 4 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tuner- up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.95	24.00	23.95	25	0	

Band 5 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.41	23.51	23.44	25	0	

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				20650	21100	21350	2560		
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.17	23.28	23.23	24.5	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	23.59	23.61	23.39	25	0	

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	23.87	24.10	23.88	25	0	

Band 38 Ant4 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.95	24.05	23.95	24.5	0

Band 41 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.40	23.15	24.05	23.68	23.55	24.5	0

Reduced Power Mode for DSI1

Reduced Power Mode for DSI									
		GSM850 Ant1 DSI 1							
GSM850		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		128	189	251	Limit (dBm)	128	189	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 2 Tx slots		30.76	30.77	30.74	31.50	24.76	24.77	24.74	25.50
		GSM1900 Ant1 DSI 1							
GSM1900		Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 2 Tx slots		27.12	27.47	27.46	28.50	21.12	21.47	21.46	22.50

		GSM1900 Ant1 DSI 1								
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GPRS 2 Tx slots		27.12	27.47	27.46		28.50	21.12	21.47		21.46

		WCDMA II Ant1 DSI 1					WCDMA IV Ant1 DSI 1					WCDMA V Ant1 DSI 1				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233				
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458				
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6				
3GPP Rel 99 RMC 12.2Kbps		23.34	23.41	23.25	25.00	23.38	23.42	23.30	25.00	23.81	23.84	23.79	25.00			

Band 2 Ant1 DSI 1								
BW [MHz]	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	24.25	24.35	24.08	25.5	0

Band 4 Ant1 DSI 1									
BW [MHz]	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	24.08	24.20	24.18	25.5	0	

Band 5 Ant1 DSI 1									
BW [MHz]	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	24.01	24.11	24.04	25.5	0	

Band 7 Ant1 DSI 1									
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)				2510	2535	2560			
20	QPSK	1	0	23.85	23.89	23.68	25	0	

Band 26 Ant1 DSI 1									
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	24.05	24.38	23.92	25.5	0	

Band 66 Ant1 DSI 1									
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	23.97	24.31	24.27	25.5	0	

Band 38 Ant1 DSI 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.82	24.51	24.42	25	0

Band 41 Ant1 DSI 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.06	23.76	24.52	24.50	24.16	25	0

GSM850 Ant4 DSI 1									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 2 Tx slots		26.05	26.07	27.99	26.50	22.05	22.07	21.99	22.50
GSM1900 Ant4 DSI 1									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 4 Tx slots		17.88	17.89	18.21	19.50	14.88	14.89	15.21	16.50
WCDMA II Ant4 DSI 1									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99		RMC 12.2Kbps	15.32	15.36	15.34	17.00	19.16	19.47	19.41
							21.00	19.39	19.59
								19.51	21.00
WCDMA V Ant4 DSI 1									
		WCDMA V							
		4132	4162	4233		4357	4407	4458	
		826.4	836.4	846.6					

Band 2 Ant4 DSI 1								
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	14.56	15.22	14.92	15.5	0

Band 4 Ant4 DSI 1									
BW [MHz]	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	50	0	19.81	19.87	19.79	21	0	

Band 5 Ant4 DSI 1									
BW [MHz]	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	50	0	19.70	19.74	19.64	21	0	

Band 7 Ant4 DSI 1									
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)				2510	2535	2560			
20	QPSK	1	0	16.97	17.25	16.98	18.5	0	

Band 26 Ant4 DSI 1									
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	75	0	20.42	20.48	20.31	21.5	0	

Band 66 Ant4 DSI 1									
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	19.39	19.58	19.23	20.5	0	

Band 38 Ant4 DSI 1								
BW [MHz]	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	19.23	19.33	19.03	20.5	0

Band 41 Ant4 DSI 1										
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	18.67	19.25	19.40	19.25	18.81	20.5	0

Reduced Power Mode for DSI2

		GSM850 Ant1 DSI 2							
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 2 Tx slots		30.76	30.77	30.74	31.50	24.76	24.77	24.74	25.50

		GSM1900 Ant1 DSI 2							
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 2 Tx slots		27.12	27.47	27.46	28.50	21.12	21.47	21.46	22.50

		WCDMA II Ant1 DSI 2				WCDMA IV Ant1 DSI 2				WCDMA V Ant1 DSI 2			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.34	23.41	23.25	25.00	23.18	23.22	23.10	25.00	23.81	23.84	23.79	25.00

Band 2 Ant1 DSI 2								
BW [MHz]	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	24.25	24.35	24.08	25.5	0

Band 4 Ant1 DSI 2									
BW [MHz]	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	24.08	24.20	24.18	25.5	0	

Band 5 Ant1 DSI 2								
BW [MHz]	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	24.01	24.11	24.04	25.5	0

Band 7 Ant1 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2810	2835	2860			
20	QPSK	1	0	23.85	23.89	23.68	25	0	

Band 26 Ant1 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				28765	28865	28965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.05	24.16	23.92	25.5	0	

Band 66 Ant1 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.97	24.31	24.27	25.5	0	

Band 38 Ant1 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.82	24.51	24.42	25	0

Band 41 Ant1 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.06	23.76	24.52	24.50	24.16	25	0

		GSM850 Ant4 DSI 2									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)		
TX Channel		128	189	251		128	189	251			
Frequency (MHz)		824.2	836.4	848.8	31.50	824.2	836.4	848.8	25.03	25.04	24.96
GPRS 2 Tx slots		31.03	31.04	30.96		25.03	25.04	24.96			
		GSM1900 Ant4 DSI 2									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)		
TX Channel		512	661	810		512	661	810			
Frequency (MHz)		1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	20.76	20.88	20.71
GPRS 2 Tx slots		26.76	26.88	26.71		20.76	20.88	20.71			
		WCDMA II Ant4 DSI 2									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V	
TX Channel		9262	9400	9538		1312	1413	1513			
Rx Channel		9662	9800	9938	22.00	1537	1638	1738	25.00	23.39	23.51
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6			
3GPP Rel 99		RMC 12.2Kbps		20.10	20.17	20.07	22.00	23.12	23.25	23.20	25.00
		WCDMA IV Ant4 DSI 2									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)		
TX Channel		4132	4162	4233		4132	4162	4233			
Rx Channel		4357	4407	4458	25.00	4357	4407	4458	23.50	23.51	25.00
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6			
3GPP Rel 99		RMC 12.2Kbps		20.10	20.17	20.07	22.00	23.12	23.25	23.20	25.00

Band 2 Ant4 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.19	20.41	20.10	21.5	0

Band 4 Ant4 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)
Channel				20650	20175	20350		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.95	24.00	23.95	25	0

Band 5 Ant4 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)
Channel				20450	20525	20500		
Frequency (MHz)				829	838.5	844		
10	QPSK	1	0	23.41	23.51	23.44	25	0

Band 7 Ant4 DSI 2									
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	2560		
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.57	22.13	21.73	23	0	
20	QPSK	50	0	21.53	22.11	21.69	23	0	

Band 26 Ant4 DSI 2									
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	23.59	23.61	23.39	25	0	

Band 66 Ant4 DSI 2									
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	23.87	24.10	23.88	25	0	

Band 38 Ant4 DSI 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.95	24.05	23.95	24.5	0
20	QPSK	1	0	22.47	22.58	22.49	23.5	1

Band 41 Ant4 DSI 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.40	23.15	24.05	23.68	23.55	24.5	0

Reduced Power Mode for DSI4

		GSM850 Ant1 DSI 4							
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 2 Tx slots		30.76	30.77	30.74	31.50	24.76	24.77	24.74	25.50

		GSM1900 Ant1 DSI 4							
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 2 Tx slots		27.12	27.47	27.46	28.50	21.12	21.47	21.46	22.50

		WCDMA II Ant1 DSI 4				WCDMA IV Ant1 DSI 4				WCDMA V Ant1 DSI 4			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2Kbps		21.00	21.10	20.82	22.50	20.17	20.18	20.15	22.00	23.81	23.84	23.79	25.00

Band 2 Ant1 DSI 4								
BW [MHz]	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	20.98	21.02	20.73	22.5	0

Band 4 Ant1 DSI 4									
BW [MHz]	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	20.97	21.20	21.11	22.5	0	
20	QPSK	50	0	20.89	21.16	21.07	22.5	0	

Band 5 Ant1 DSI 4								
BIW (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	24.01	24.11	24.04	25.5	0

Band 7 Ant1 DSI 4									
BW [MHz]	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	20.11	20.31	20.13	21.5	0	

Band 26 Ant1 DSI 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.05	24.16	23.92	25.5	0	

Band 66 Ant1 DSI 4									
BW [MHz]	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	20.28	20.48	20.42	22	0	

Band 38 Ant1 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.12	22.26	22.21	23	0
20	QPSK	50	0	22.01	22.21	22.16	23	0

Band 41 Ant1 DSI 4										
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	21.82	21.86	22.26	21.96	21.92	23	0
20	QPSK	50	0	21.76	21.79	22.21	21.94	21.86	23	0

GSM850 Ant4 DSI 4									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 2 Tx slots		31.03	31.04	30.96	31.50	25.03	25.04	24.96	25.50
GSM1900 Ant4 DSI 4									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 4 Tx slots		21.85	22.13	22.11	23.50	18.85	19.13	19.11	20.50
WCDMA II Ant4 DSI 4									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 RMC 12.2Kbps		18.11	18.23	18.18	20.00	23.12	23.25	23.20	25.00
WCDMA V Ant4 DSI 4									
		WCDMA V			Tune-up Limit (dBm)				Tune-up Limit (dBm)
		4132	4162	4233		4357	4407	4458	
		826.4	836.4	846.6					
		22.47	22.59	22.56					24.00

Band 2 Ant4 DSI 4								
BW [MHz]	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	18.99	19.14	18.92	20	0
20	QPSK	1	0	18.87	19.08	18.83	20	0

Band 4 Ant4 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	20775	20900		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.95	24.00	23.95	25	0

Band 5 Ant4 DSI 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.67	22.99	22.87	24	0
10	QPSK	25	0	22.58	22.94	22.84	24	0

Band 7 Ant4 DSI 4									
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	18.34	18.53	18.33	19.5	0	

Band 26 Ant4 DSI 4									
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	23.59	23.61	23.39	25	0	

Band 66 Ant4 DSI 4									
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	23.87	24.10	23.88	25	0	

Band 38 Ant4 DSI 4								
BW [MHz]	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	20.34	20.53	20.49	21.5	0

Band 41 Ant4 DSI 4										
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	20.41	20.36	20.61	20.49	20.42	21.5	0

<2.4GHz WLAN>

Art 7				Full Power		For Head Standalone	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %
2.4GHz WLAN	802.1b 1Mbps	1	2412	19.40	21.00	Not Required	19.00
		6	2437	21.00	17.63	18.00	98.39
		11	2462	20.50	18.50	18.50	
	802.1g 6Mbps	1	2412	13.50	13.50	13.50	88.48
		2	2417	15.50	15.50	15.50	
		3	2422	20.00	19.00	19.00	
		6	2437	21.50	19.00	19.00	
		10	2457	19.50	19.00	19.00	
		11	2462	12.50	12.50	12.50	
	802.11n-HT20 MCS0	1	2412	13.50	13.50	13.50	86.03
		2	2417	14.50	14.50	14.50	
		3	2422	19.00	19.00	19.00	
		6	2437	21.50	19.00	19.00	
		10	2457	19.50	19.00	19.00	
		11	2462	12.50	12.50	12.50	

<5.2GHz WLAN>

Art 7				Full Power		For Head Standalone	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	19.00	19.00	90.14
		40	5200	18.18	19.50	19.50	
		44	5220	19.50	19.50	19.50	
	802.11n-HT20 MCS0	48	5240	19.00	19.00	19.00	88.52
		36	5180	18.50	18.50	18.50	
		40	5200	19.00	19.00	19.00	
	802.11n-HT40 MCS0	44	5220	18.50	18.50	18.50	79.26
		48	5240	18.00	18.00	18.00	
		38	5190	15.50	15.50	15.50	
	802.11ac-VHT20 MCS0	46	5230	18.50	18.50	18.50	86.77
		36	5180	18.50	18.50	18.50	
		40	5200	19.00	19.00	19.00	
	802.11ac-VHT40 MCS0	44	5220	18.50	18.50	18.50	79.34
		48	5240	18.00	18.00	18.00	
		38	5190	15.50	15.50	15.50	
	802.11ac-VHT80 MCS0	42	5210	15.50	15.50	15.50	65.81

<5.3GHz WLAN>

Art 7				Full Power		For Head Standalone	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.84	19.50	19.50	90.14
		56	5280	19.50	19.50	19.50	
		60	5300	19.50	19.50	19.50	
	802.11n-HT20 MCS0	64	5320	19.50	19.50	19.50	88.52
		52	5260	18.50	18.50	18.50	
		56	5280	18.50	18.50	18.50	
	802.11n-HT40 MCS0	60	5300	18.50	18.50	18.50	79.26
		64	5320	18.50	18.50	18.50	
		54	5270	16.50	16.50	16.50	
	802.11ac-VHT20 MCS0	62	5310	19.00	19.00	19.00	86.77
		52	5260	18.50	18.50	18.50	
		56	5280	18.50	18.50	18.50	
	802.11ac-VHT40 MCS0	60	5300	18.50	18.50	18.50	79.34
		64	5320	18.50	18.50	18.50	
		54	5270	16.50	16.50	16.50	
	802.11ac-VHT80 MCS0	62	5310	16.00	16.00	16.00	65.81

<5.5GHz WLAN>

Art 7				Full Power		For Head Standalone		For Body-worn Standalone	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	19.00	Not Required	18.00	Not Required	17.50
		116	5580	19.50	17.10	18.50	17.00	18.00	90.14
		124	5620	20.00	19.00	19.00	17.02	18.50	
		132	5660	18.31	20.00	19.00	18.50	18.50	
		140	5700	19.50	19.50	19.50	18.50	18.50	
		100	5500	18.50	18.50	18.50	18.00	18.00	
	802.11n-HT20 MCS0	116	5580	18.50	18.50	18.50	18.00	18.00	88.52
		124	5620	19.00	19.00	19.00	18.50	18.50	
		132	5660	19.00	19.00	19.00	18.50	18.50	
		140	5700	18.50	18.50	18.50	18.50	18.50	
		102	5510	16.50	16.50	16.50	16.50	16.50	
		110	5550	16.50	16.50	16.50	16.50	16.50	
	802.11n-HT40 MCS0	126	5630	17.50	17.50	17.50	17.50	17.50	79.26
		134	5670	17.50	17.50	17.50	17.50	17.50	
		100	5500	18.50	18.50	18.50	18.00	18.00	
		116	5580	18.50	18.50	18.50	18.00	18.00	
		124	5620	19.00	19.00	19.00	18.50	18.50	
		132	5660	19.00	19.00	19.00	18.50	18.50	
	802.11ac-VHT20 MCS0	140	5700	18.50	18.50	18.50	18.50	18.50	86.77
		102	5510	16.50	16.50	16.50	16.50	16.50	
		110	5550	16.50	16.50	16.50	16.50	16.50	
		110	5550	16.50	16.50	16.50	16.50	16.50	
		126	5630	17.50	17.50	17.50	17.50	17.50	
		134	5670	17.50	17.50	17.50	17.50	17.50	
	802.11ac-VHT40 MCS0	106	5530	14.50	14.50	14.50	14.50	14.50	79.34
		122	5610	15.50	15.50	15.50	15.50	15.50	
		138	5690	15.50	15.50	15.50	15.50	15.50	
		106	5530	14.50	14.50	14.50	14.50	14.50	
		122	5610	15.50	15.50	15.50	15.50	15.50	
		138	5690	15.50	15.50	15.50	15.50	15.50	

<5.8GHz WLAN>

Art 7				Full Power		For Head Standalone	
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	148	5745	Not Required	18.50	18.50	90.14
		157	5785	17.55	19.00	19.00	
		165	5825	18.50	18.50	18.50	
	802.11n-HT20 MCS0	148	5745	18.00	18.00	18.00	88.52
		157	5785	18.50	18.50	18.50	
		165	5825	16.00	16.00	16.00	
	802.11n-HT40 MCS0	151	5755	16.00	16.00	16.00	79.26
		159	5795	16.00	16.00	16.00	
		149	5745	18.00	18.00	18.00	
	802.11ac-VHT20 MCS0	157	5785	18.50	18.50	18.50	86.77
		165	5825	18.50	18.50	18.50	
		151	5755	16.00	16.00	16.00	
	802.11ac-VHT40 MCS0	159	5795	16.00	16.00	16.00	79.34
		159	5795	16.00	16.00	16.00	
		155	5775	14.50	14.50	14.50	

BT BR/EDR		Ant. 7	Ant7 Full power			
Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.20			12.00
	CH 39	2441	10.23			12.00
	CH 78	2480	10.47	Not Required		12.00

BLE_1M		Ant. 7	Ant7 Full power	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
LE	CH 00	2402	Not Required	
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			8.50	

BLE_2M		Ant. 7	Ant7 Full power	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
LE	CH 00	2402	Not Required	
	CH 19	2440		
	CH 39	2480		
Tune-up Limit			8.50	