CUBOT

SERVICE MANUAL

CUBOT GT90

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General Specification

Technical Parameters	GSM 850	EGSM 900	DCS 1800	PCS 1900	WCDMA 2100	WCDMA 850
Frequency Band [Mhz] Uplink/Downlink	824 ~ 849	880 ~ 915	1710 ~ 1785	1850 ~ 1910	1922 ~ 1977	824 ~ 849
	869 ~ 894	925 ~ 960	1805 ~ 1880	1930 ~ 1990	2112 ~ 2167	869 ~ 894
ARFCN Range	128 ~ 251	0 ~ 124 & 975 ~ 1023	512 ~ 885	512 ~ 810	UL: 9612 ~ 9888	UL: 4132 ~ 4233
					DL: 10562 ~ 10838	DL: 4357 ~ 4458
Tx/Rx Spacing	45 Mhz	45 Mhz	95 Mhz	80 Mhz	190 Mhz	45 Mhz
Mod. Bit Rate/Bit Period	270.833 kbps	270.833 kbps	270.833 kbps	270.833 kbps	3.84 Mcps	3.84 Mcps
	3.692 us	3.692 us	3.692 us	3.692 us		
Time Slot Period/Frame Period	576.9 us	576.9 us	576.9 us	576.9 us	FrameLength: 10ms	FrameLength: 10ms
	4.615 ms	4.615 ms	4.615 ms	4.615 ms	Slotlength: 0.667ms	Slotlength: 0.667ms
Modulation	0.3 GMSK	0.3 GMSK	0.3 GMSK	0.3 GMSK	QPSKHQPSK	QPSKHQPSK
MS Power	33 dBm ~ 5 dBm	33 dBm ~ 5 dBm	33 dBm ~ 5 dBm	33 dBm ~ 5 dBm	24 dBm ~ -50 dBm	24 dBm ~ -50 dBm
Power Class	5 pcl ~ 19 pcl	5 pcl ~19 pcl	0 pcl ~ 15 pcl	0 pcl ~ 15 pcl	3(max+ 24dBm)	3(max+ 24dBm)
Sensitivity	- 102 dBm	- 102 dBm	- 100 dBm	- 100 dBm	- 106.7 dBm	- 106.7 dBm
TDMA Mux	8	8	8	8	8	8
Cell Radius	35 Km	35 Km	2 Km	2 Km	2 Km	2 Km

GSM Tx Power Class

Tx Power Control	GSM 850	Tx Power Control	EGSM 900	Tx Power Control	DCS 1800	Tx Power Control	PCS 1900
5	33 ± 2 dBm	5	33 ± 2 dBm	0	30 ± 3 dBm	0	30 ± 3 dBm
6	31± 2 dBm	6	31 ± 2 dBm	1	28 ± 3 dBm	1	28 ± 3 dBm
7	29 ± 2 dBm	7	29 ± 2 dBm	2	26 ± 3 dBm	2	26 ± 3 dBm
8	27 ± 2 dBm	8	27 ± 2 dBm	3	24 ± 3 dBm	3	24 ± 3 dBm
9	25 ± 2 dBm	9	25 ± 2 dBm	4	22 ± 3 dBm	4	22 ± 3 dBm
10	23 ± 2 dBm	10	23 ± 2 dBm	5	20 ± 3 dBm	5	20 ± 3 dBm
11	21 ± 2 dBm	11	21 ± 2 dBm	6	18 ± 3 dBm	6	18 ± 3 dBm
12	19 ± 2 dBm	12	19 ± 2 dBm	7	16 ± 3 dBm	7	16 ± 3 dBm
13	17 ± 2 dBm	13	17 ± 2 dBm	8	14 ± 3 dBm	8	14 ± 3 dBm
14	15 ± 2 dBm	14	15 ± 2 dBm	9	12 ± 4 dBm	9	12 ± 4 dBm
15	13 ± 2 dBm	15	13 ± 2 dBm	10	10 ± 4 dBm	10	10 ± 4 dBm
16	11 ± 3 dBm	16	11 ± 3 dBm	11	8 ± 4 dBm	11	8 ± 4 dBm
17	9 ± 3 dBm	17	9 ± 3 dBm	12	6 ± 4 dBm	12	6 ± 4 dBm
18	7 ± 3 dBm	18	7 ± 3 dBm	13	4 ± 4 dBm	13	4 ± 4 dBm
19	5 ± 3 dBm	19	5 ± 3 dBm	14	2 ± 5 dBm	14	2 ± 5 dBm
				15	0 ± 5 dBm	15	0 ± 5 dBm

Reported SAR

WCDMA/GSM/EDGE	WLAN
The highest reported SAR values are:	**The highest reported SAR values are:**
• Head: 0.36 W/kg	• Head: 0.19 W/kg
• Body-worn accessory: 0.78 W/kg	• Body-worn accessory: 0.12 W/kg
• Product Specific Use: 0.90 W/kg	• Product Specific Use: 0.11 W/kg

Main Function

Processor Mediatek Strong Dual-Core Cortex-A7 MT6572W (1.3 GHz)
178° wide viewing angle display
4.0 Inch WVGA (480X800)
4GB ROM + 512MB RAM
5 points touch
Cameras: ▫ 5 Mega pixels Auto-Focus Rear Camera with Flashlight ▫ 2 Mega pixels Front Camera (able to video chat)