

Operation of Description

This product is a GSM/WCDMA Smartphone.

The EUT received DC 3.8V by li-ion battery(2250mAh), and recharged by DC 5V/1000mA adapter. The USB version used for this device is USB2.0.

The EUT Support Radios Application: GSM/GPRS/EDGE/ WCDMA/HSDPA/HSUPA /Bluetooth/WIFI/GPS (RX)/FM (RX)

The EUT is working base on the MCU MT6580 GSM/WCDMA/WIFI/BT/GPS/FM, crystal: 26MHz).

The RF chip **MT6580(Crystal: 26MHz)** used for this product support the GSM/GPRS WCDMA/HSDPA/HSUPA application.

The EUT has one GSM/WCDMA card slot(SIM1) and one GSM card slot(SIM2). The two card slot can not transmit simultaneously.

The WiFi, BT could not transmit simultaneously.

Bluetooth V4.0(with EDR):

works in the 2.4GHz (2402MHz~2480MHz) ISM band

Channel Number: 79 channels for BT3.0

40 channels for BT4.0

Channel Spacing: 1MHz for BT3.0

2MHz for BT4.0

Modulation type: GFSK, $\pi/4$ -DQPSK, 8-DPSK for BT3.0

GFSK for BT4.0

WIFI:

work in the 2.4GHz(2412MHz~2472MHz), Modulation: DSSS and OFDM on IEEE 802.11 protocols and support 802.11b/g/n(HT20&HT40).

Channel spacing: 5MHz

13 channels for 20MHz bandwidth and 9 channels for 40MHz bandwidth

GPS:

Receiving Frequency: 1575.42MHz

FM(RX):1575.42MHz

One PIFA antenna for Bluetooth/WIFI/GPS(RX), -1dBi(max.).

2G/3G:

The GSM/WCDMA Smartphone operates on the GSM 850//1900MHz Band and WCDMA Band II, V. Modulation: GMSK for GSM/GPRS/EDGE; QPSK for WCDMA&HSDPA&HSUPA.

One PIFA antenna for GSM/WCDMA. 0dBi(Max.)