

## **circuit Technical Description**

The Equipment Under Test(EUT) is a MID (Android OS)with Wifi operating at 2.412-2.462GHz, 11 channels for 802.11 b/g/n (20MHz), 7 channels for 802.11n (40MHz) separated by 5MHz channel spacing. The EUT can carry out the base function of PC. The device is powered by 1 X 8.4V rechargeable battery or AC 120V/60Hz via an external Adapter. Type of Modulation: CCK for 802.11b and OFDM for 802.11g/n.

Antenna Type: Internal integral Antenna.

802.11 b/g/n (20MHz)Frequency List:

2412MHz, 2417MHz, 2422MHz, 2427MHz, 2432MHz, 2437MHz,  
2442MHz, 2447MHz, 2452MHz, 2457MHz, 2462MHz

802.11 n (40MHz)Frequency List:

2422MHz, 2427MHz, 2432MHz, 2437MHz, 2442MHz, 2447MHz,  
2452MHz

Main IC Function:

At MAIN PCB

- 1) U1\* (including U1A + U1B + U1C + U1D) act as Android system module, U1A is Peripherals device data bus controller, U1B is MID peripherals device controller, U1C is CPU, U1A is DDR2 SDRAM data bus controller.
- 2) U4, U3, U48, U49 are DDR2 SDRAM.
- 3) U11 is NAND flash memory:
- 4) U30 is 10/100M fast ethernet phyceiver
- 5) U8 is audio decode IC
- 6) U17 is G-Sensor
- 7) Q14, U43 are recharge IC
- 8) U27,U24, U29,U20, U21 ,U23, U25, U22, U26, U7, U51, U33, U34, are power regulator
- 9) U13 is HDMI driver
- 10 )X2 is oscillator for U1 mian frequency.
- 11)X1 is oscillator for U1 RTC frequency.
- 12) U34 is PC camary
- 13) U5 is touch IC

WiFi board:

- 1) U2 is WiFi chip which generate the RF signal.
- 2) XTAL1 is OSC for U2.