

Technical Description

The Equipment Under Test (EUT) is a MID with Wifi operating at 2.412-2.462GHz, 11 channels selection separated by 5MHz channel spacing. The EUT can carry out the base function of PC. The device is powered by 1x3.7V 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.

Frequency List for 802.11b/g/n-20MHz:

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

Frequency List for 802.11n-40MHz:

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

Main IC Function:

At MAIN PCB

1) U1(InfoTM IMAP441) is CPU with varied function such as Control Unit, Arithmetic Logic Unit.

- 2) U4, U5, U7, U8 are DDR2 SDRAM.
- 3) U36, U42 are flash memory.
- 4) U18 is HDMI decode IC which is disable.
- 5) U24 is audio decode IC.
- 6) U6 is G-Sensor.
- 7) U29 is rechargeable IC.
- 8) U15, U21, U23 are LDO regulators.
- 9) U9, U10, U12, U16, U19, U20 are DC/DC regulators.
- 10) U3 is touch IC.
- 11) U28 is forced Power-Off action when long-time press power-key.
- 12) X2 is oscillator for U1 main frequency.
- 13) Y2 is oscillator for U1 RTC frequency.

WiFi board:

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