

Technical Description

The Equipment Under Test (EUT) is a Tamagotchi Uni-43350 with Wi-Fi function operating at 2412-2462MHz for 802.11b/g/n-HT20, 11 channels with 5MHz channel spacing. The EUT is powered by DC 3.7V rechargeable battery. Once use the USB cable charging to the EUT, the wireless function will be closed. For more detailed features description, please refer to the user's manual.

Channel List: (2.4GHz band: Wifi)

2412	2417	2422	2427	2432	2437
2442	2447	2452	2457	2462	

2.4GHz band: Wifi

Antenna Type: Integral antenna.

Antenna Gain: 3.37dBi.

Modulation Type: CCK, BPSK, QPSK, 16QAM, 64QAM

For 802.11b:

The normal peak radiated output power (e.i.r.p) is: 15.37dBm (tolerance: +/-3dB).

The normal peak conducted output power is 12dBm (tolerance: +/-3dB).

For 802.11g and 802.11n-HT20:

The normal peak radiated output power (e.i.r.p) is: 21.37dBm (tolerance: +/-3dB).

The normal peak conducted output power is 18dBm (tolerance: +/-3dB).

For 802.11b/802.11g and 802.11n-HT20:

The normal average radiated output power (e.i.r.p) is: 12.37dBm (tolerance: +/-3dB).

The normal average conducted output power is 9.0dBm (tolerance: +/-3dB).

Main Chip Function: (2.4GHz band: Wifi)

1. U1 acts as WIFI RF module.
2. X1 is 32.768Hz OSC for U1.
3. U2 is Battery charge management IC.
4. U3 is Switch IC.
5. U4 is Voltage regulator.
6. U5 is Acceleration Sensor IC.
7. U6 is Digital-to-Analog converter IC.
8. U8 is Audio power amplifier IC.

WiFi module:

1. U1 is WiFi transceiver and MUC IC.
2. Y1 is 40MHz OSC for U1.
3. U2 is Flash IC.