

Technical Description

The equipment under test (EUT) is a Pelican Explore & Fit Cycle with Bluetooth function operating in 2402-2480MHz. The EUT is powered by DC 4.5V (3 x 1.5V AA batteries). For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

Modulation Type: GFSK, $\pi/4$ -DQPSK and 8-DPSK

Antenna Gain: -0.58dBi Max

Bluetooth Version: 5.0 single mode

The normal radiated output power (e.i.r.p) is: -2.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -1.42dBm (tolerance: +/- 3dB).

Channel List:

2402MHz – 2480MHz with 1 MHz channel spacing.

Main Chip Function:

1. U3 is BT Module.
2. U5 is regulator IC.
3. U1 is MCU.
4. U2 & U6 are Flash IC.
5. U4 is Audio power amplifier IC.

BT Module:

- 1, U1 is RF transceiver IC.
- 2, Y1 is 24MHz oscillator for U1.