

Operating Instructions

The device under test (EUT) is a 2.4GHz Bluetooth receiver and transmitter integrated product. It has two channels and operates at frequencies from 2402 to 2480 MHz. It is powered by a 3.7V to 4.2V polymer lithium ion battery. Connect via a 2.4GHz transceiver Bluetooth product.

The main IC functions are described below:

U1 is the MCU of the RF transceiver

Y1 is a 24MHz crystal oscillator used for clock signals

Working frequency: 2402-2480 MHz

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

Antenna type: PCB antenna

Antenna gain: -0.68dBi

Crystal: 24 MHz