

Technical Description

The Equipment Under Test (EUT) is a Bluetooth device with 915MHz. The EUT can operate with mobile app and 915MHz remote.

The Bluetooth portion occupies frequency range of 2402MHz to 2480MHz (39 channels with channel spacing of 2MHz).

The 915MHz portion occupies frequency 915MHz single channel.

For 2.4GHz BLE:

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Maximum rated field strength: 99.6d B μ V / m at 3m

For 915MHz 2-GFSK:

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Maximum conducted output power: 10.4dBm

U1 CSR1010 act as the Bluetooth module of this unit.

X1 (16MHz) and X2 (32.768kHz) act as the crystal of the U1

U5 is the 915MHz module of this unit.