

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz BLE Transceiver (Watch Unit) for a Bluetooth Watch. The sample supplied operated on 40 channels, normally at 2402 - 2480MHz. The channels are separated with 2MHz spacing.

The Equipment Under Test (EUT), is a portable 2.4GHz BR/EDR Transceiver (Watch Unit) for a Bluetooth Watch. The sample supplied operated on 79 channels, normally at 2402 - 2480MHz. The channels are separated with 1MHz spacing.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 99.3dB μ V/m at 3m (Peak), 83.5dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. MT2502 BB acts as MCU
2. MIC301 acts as Microphone circuit
3. SPK301 acts as Speaker circuit
4. U601 and U602 act as Sensor circuit
5. Q201 acts as Charging circuit
6. J202 acts as Vibrator circuit
7. MT2502 RF acts as RF Module
8. X701 acts as 26MHz Oscillator
9. C704 and C705 act as antenna matching circuit