## **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 99.3dBµV/m at 3m (Peak), 83.5dBµV/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