

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transmitter (Robot Unit) for a RC Robot. The sample supplied operated on 40 channels of BT 4.2 BLE only, normally at 2402 - 2480 MHz. The channels are separated with 2 MHz spacing.

The EUT is powered by 6.4V rechargeable battery or 6.0V (4 x 1.5V "AA" batteries). After switch on the EUT, the car will be moved forward or backward and turned left and right based on the switches pressed in the phone application controller.

The brief circuit description is listed as below:

1. U4 acts as Bluetooth Module
2. U3 acts as MCU
3. Q1, Q2, Q4 & Q5 and related components act as Motor drive of M1
4. Q16, Q17, Q19 & Q20 and related components act as Motor drive of M2
5. U1 acts as voltage regulator
6. Y1 acts as Crystal Osc. o1. U4 acts as Bluetooth Module
2. U3 acts as MCU
3. Q1, Q2, Q4 & Q5 and related components act as Motor drive of M1
4. Q16, Q17, Q19 & Q20 and related components act as Motor drive of M2
5. U1 acts as voltage regulator
6. Y1 acts as Crystal Osc. of BT Module.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength is 100.3 dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB