

Technical Description

The equipment under test (EUT) is a RIDE ON CAR with Bluetooth 5.3 BLE function operating in 2402-2480MHz. The EUT is powered by DC 12.0V (1 x 12.0V rechargeable battery). And the RF function will be shut down and it can't transmit RF signals while charging. For more detail information pls. refer to the user manual.

Antenna Type: Integral antenna

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

Antenna Gain: 0dBi Max(Only radiated measurements are used to show compliance with FCC limits for fundamental and spurious emissions.)

Bluetooth Version: 6.0(EDR and BLE)

For EDR:

The normal radiated output power (e.i.r.p) is: -8.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -8.0dBm (tolerance: +/- 3dB).

For BLE

The normal radiated output power (e.i.r.p) is: -5.0dBm (tolerance: +/- 3dB).

The normal conducted output power is -5.0dBm (tolerance: +/- 3dB).

Channel List:

For EDR:

2402MHz to 2480MHz and the channel list with 1 MHz channel spacing.

For BLE:

2402MHz to 2480MHz and the channel list with 2 MHz channel spacing.

Main Chip Function:

1, U2 is RF transmitter IC.

2, Y1 is 24MHz OSC for U2.

3, U1 is DC-DC IC.

5, VR1 is Voltage stability IC.

6, U3 is power amplifier IC.

ANT Photo:

