Technical Description

The Equipment Under Test (EUT) is a 2.4GHz Transceiver (Car Unit) controlled by controller operating at a frequency range of 2411-2475MHz with 1MHz channel spacing.

The EUT is powered by 6 x 1.5V AA batteries. After switching on the EUT and being paired with the controller, the EUT can be controlled to move forward, backward and turn left/ right by the controller.

Antenna Type: Internal integral antenna
Antenna Gain: 0dBi
Nominal rated field strength: 76.2dBμV/m at 3m
Maximum allowed field strength of production tolerance: +/- 3dB

The brief circuit description is listed as below:

1. U3 represent the RF Module.
2. Y1 is the 16MHz frequency oscillator.
3. U5, U6 function as the motor driver.
4. U4 functions as the voice IC.
5. U1 and U2 are the voltage regulator.