

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (RC plane). The operation frequency range is between 2412MHz and 2472MHz with 61 channels. The channel is separated by 1 MHz channel spacing.

The EUT is powered by 1 x 3.7V rechargeable battery. After switch on the EUT, the plane will be moved forward, backward, upward, downward, left and right based on the switches pressed in the controller.

Antenna Type: Internal, Integral

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

The brief circuit description is listed as below:

- 1) U1 acts as a MCU and RFIC (HW2181 QFN48).
- 2) Y1 acts as a 12MHz crystal.
- 3) U3 acts as a power supply circuit (MIC5219).

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength (Peak): 105.0dB μ V/m at 3m

Nominal rated field strength (Average): 72.4dB μ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB