

## Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a 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 DC 3.0V (2 x 1.5V AAA batteries). 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 (HW2171B).
- 2) Y1 acts as a 12MHz crystal.
- 3) U2 acts as a power supplying circuit (HX4002B).

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength (Peak): 102.5dB $\mu$ V/m at 3m

Nominal rated field strength (Average): 70.1dB $\mu$ V/m at 3m

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