

Technical Description

Report No.: 16051177HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz pure transmitter (Controller Unit) for a RC plane operating at the frequency range of 2420-2460MHz with 1 MHz channel spacing.

The EUT is powered by 3 * 1.5V AAA batteries. After switch on the EUT, the plane 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: 101 dB μ V/m at 3m

Maximum allowed field strength of production tolerance: 95 - 101 dB μ V/m

The brief circuit description is listed as below:

1. U1 and the associated circuit act as the power control unit.
2. U2 and the associated circuit act as MCU.
3. U4 and the associated circuit act as 2.4G module.
4. X1 acts as the frequency oscillator for the RF module (Within the U4)