

Technical Description

Report No.: 17081126HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transmitter (Controller Unit) for a plane unit operating at the frequency range of 2439-2480MHz and the channel table is shown as below.

Channel	Frequency (MHz)
0	2439
1	2470
2	2471
3	2472
4	2473
5	2474
6	2475
7	2476
8	2477
9	2478
10	2479
11	2480

The EUT is powered by 6*1.5V AA battery. After switching on the EUT and being paired with plane, the plane can be controlled to fly up/ down and change the direction by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 96.6dB μ V/m at 3m

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

The brief circuit description is listed as below:

1. U1 (PMC5323) and the associated circuit act as MCU.
2. Y1 acts as 16 MHz frequency oscillator.
3. K1-K8 act as control keys.