

Technical Description

Report No.: 16031022HKG-001

The Equipment Under Test (EUT) is a portable 2.4GHz Transceiver (Controller Unit) for a RC plane operating at the frequency range of 2407-2477MHz including 26 channels, which are shown as below:

2407	2408	2409	2410	2411	2413	2435	2436	2438	2440
2441	2442	2443	2444	2445	2467	2468	2469	2470	2471
2472	2473	2474	2475	2476	2477				

The EUT is powered by 4 * 1.5V AA batteries. After switch on the EUT and paired with plane, the plane can be controlled to fly forward/ backward and turn left/ right by the controller.

Antenna Type: Internal integral antenna

Antenna Gain: 0dBi

Nominal rated field strength: 95.8dB μ V/m at 3m

Maximum allowed field strength of production tolerance: 92.8 dB μ V/m – 98.8 dB μ V/m

The brief circuit description is listed as below:

1. M1 and the associated circuit act as the RF module.
2. U1 and the associated circuit act as the power unit.
3. U2 and the associated circuit act as the MCU
4. S1-S6, VR1 and VR2 act as the control buttons.
5. U3 and the associated circuit act as the voice processor.
6. Y1 act as crystal Oscillator for RF chipset.