

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC Drone. The sample supplied operated on 32 channels, normally at 2440 - 2471MHz. The channels are separated with 1MHz spacing.

The EUT is powered by 3 x 1.5V AAA batteries. After switching on the EUT, the drone will undergo different movement based on the switches pressed in the controller.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 70.8dB μ V/m at 3m (Peak), 53.5dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (CMS79113C) acts as MCU
2. U3 (PAN297) acts as RF IC
3. Y1 acts as 16MHz Oscillator
4. L2, C9 and C11 act as antenna matching circuit
5. U2 acts as voltage regulator.