

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC Drone. The sample supplied operated on 31 channels, normally at 2449 - 2479MHz. 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 80.6dB μ V/m at 3m (Peak), 59.0dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PY32F003) acts as MCU
2. U2 (297L) acts as RF IC
3. Y1 acts as 16MHz Oscillator
4. C7 acts as antenna matching circuit
5. U3 (6206) acts as voltage regulator.