

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Controller Unit) for a RC Stunt Jet. The sample supplied operated on 5 channels, normally at 2465 - 2477MHz. The channels are shown in below table.

2465	2469	2471	2473	2477
------	------	------	------	------

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

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 81.6dB μ V/m at 3m (Peak), 62.7dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (PAN2416) acts as MCU
2. X1 acts as 16MHz Oscillator
3. C1 and C2 act as antenna matching circuit
4. U2 acts as voltage regulator.