

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Jet 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
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The EUT is powered by 1 x 3.7V Lithium-polymer battery. 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 92.6dB μ V/m at 3m (Peak), 69.7dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U2 (PAN2025B) acts as MCU
2. X1 acts as 16MHz Oscillator
3. C5 acts as antenna matching circuit
4. U1 acts as voltage regulator
5. U3 and U4 act as steering gear driver
6. U5 provides accelerometer detection and motion tracking function
7. M1, M2, T1, T2, C8, C13, R4, R5, R8, R9, R14, R15, R16 and R17 provide motor driving function.