

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Master Unit) for a RC Toy. The sample supplied operated on 3 channels, normally at 2450 - 2470MHz. The channels are 2450MHz, 2460MHz and 2470MHz.

The EUT is powered by 2 x 1.5V AA batteries. After switching on the EUT, the Slave unit will be flashed light and generated sound effect.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 84.0dB μ V/m at 3m (Peak), 66.8dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U2 acts as MCU
2. YZ acts as 16MHz Oscillator
3. C1, C2, L1 and C3 act as antenna matching circuit
4. LS acts as speaker