

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Car Unit) for a RC car. The sample supplied operated on 69 channels, normally at 2407 - 2475MHz. The channels are separated with 1MHz spacing.

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 82.1dB μ V/m at 3m

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U10 acts as MCU
2. Y1 acts as 16MHz Oscillator
3. C26, C27, C28 and ANT2 act as antenna matching circuit
4. LS1 acts as speaker
5. U3 acts as low dropout regulator
6. U7 (2.4G MCU_SOP16) act as RF Module
7. U2 and U3 (MX180) act as Motor Circuit