

Technical Description

The Equipment Under Test (EUT), is a portable 2.4GHz Transceiver (Shark Unit) for a RC Shark. The sample supplied operated on 21 channels, normally at 2420 - 2462MHz. The channel table is shown below.

2420	2422	2424	2426	2428
2430	2434	2436	2438	2440
2442	2444	2446	2450	2452
2454	2456	2457	2458	2460
2462				

Antenna Type: Internal, Integral antenna

Antenna Gain: 0dBi

Nominal rated field strength is 99.0dB μ V/m at 3m (Peak), 78.3dB μ V/m at 3m (Average)

Maximum allowed production tolerance: +/- 3dB

The brief circuit description is listed as follows:

1. U1 (653919-RX) acts as MCU
2. Y1 acts as 16MHz Crystal Oscillator
3. C6, C7, C8, L1 and L2 act as Antenna Matching Circuit
4. U4 (ME6206-3.3V) acts as Voltage Regulator
5. U2 & U3 act as Motor Driver IC