

M219 Operational Description

The EUT is Remote Controller.

Power input: DC3V by Battery.

RF Modulation: OOK (IC PIC16F722).

The transmitter consists of oscillator (9.37MHz), integrated circuit (to amplify the signal) and encoder.

The oscillator generates the 300MHz frequency. The encoder generates rolling code.

The binary code sets can be selectable via the DIP switches to avoid the interference from the same kind of transmitter. The binary code is then transmitted to the antenna by the integrated circuit(IC).

Frequency Error:

The frequency error is controlled by the oscillator.

Output Power Test:

The transmitter output is connected to the spectrum analyzer; the output power is monitored and then adjusted. Once the procedure is finished the resistor is not adjustable by end users.