

DESCRIPTION OF OPERATION

The EUT is a 315 MHz transmitter. When the button of the EUT is pressed, The encoder will generates a digital code serially transmit into the Central Processor Unit (modulator or called as mixer) in circuit. The serially digital signal was mixed at modulator (mixer) stage by way of AM mode (Amplitude Modulation) with the carrier, which is generate by the 315MHz oscillator, and then this signal was amplified and sent to the Transmitter antenna.

The Antenna is printed in the PCB

The transmitter is powered by the 12V battery.