

## Circuit Description

The 16.0MHz crystal oscillator drives the base of IC final amplifier. The modulation provided by IC. The output of U102 has the matching network consisting of BF2520 and C124, C126, C127, L106 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

### Antenna, Ground and Power Source

The antenna consists of a 10.5cm omni-directional (2dBi) antenna. The PCB Antenna on the RF Module is not connected.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 12 Volt ("AA" size battery x 8) primary battery

## Operation Descriptions

The transmitter is a remote control system. The transmission signal is frequency hopping with channel frequency range 2405.0.-2480.0MHz during normal use. The EUT was set to fixed frequency test mode by application.

### Remarks:

The transmitter is Two joystick transmitter. The EUT continues to transmit while Power on. Modulation by IC; and type is GFSK (FHSS - Frequency Hopping Spread Spectrum) modulation.