Application No.: <u>HM157842</u>

Date: <u>2006-12-27</u>

FCC ID: <u>UVY06102</u>

Circuit Description

The <u>2410.4MHz -2451.6 (16.0MHz crystal)</u> oscillator drives the base of <u>IC</u> the final/buffer amplifier. The modulation provided by <u>IC</u>. The output of <u>IC</u> has the matching network consisting of <u>L1, L2, L3 </u>and <u>C3, C4, C5 C6</u> that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

No external antenna**.** There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a <u>3 Volt ("AAA" size battery x 2)</u> primary battery.

Operation Descriptions

The transmitter is a <u>Student remote</u> operating at <u>2410.4MHz-2451.6</u>MHz band. The transmitter is powered by a <u>3V</u> battery (<u>AAA x 2</u>) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the <u>2410.4MHz-2451.6MHz (16MHz crystal)</u> carrier frequency.

Remarks:
The transmitter is a 19 **Button** transmitter.
The EUT continues to transmit while **Button** is being pressed.
It is **Pulse** transmitter, Modulation by **IC**; and type is **Pulse** modulation.