

## **Model: FL2013C (Transmitter portion)**

### **Technical Description of Transmitter**

The transmitter is operating at 49.860 MHz as dictated by a crystal. The EUT has control levers to control the the receiver forward, backward, turn left and turn right.

The circuit of the transmitter comprises of,

1. Encoding circuit  
Consisting: S2, S3, S4, S5, JP1 (TX-2)
2. RF Oscillator  
Consisting: Y1 (49.860MHz)
3. Amplifier and modulator  
Consisting: Q1, Q2
4. Filter  
Consisting: L3, C3, C6, C7
5. Power Supply  
Consisting: One 9.0V battery

The transmitter uses an external, integral and non-detachable antenna.

The nominal rated field strength is 69.9dBuV/m @ 3m

Production tolerance of field strength is +/- 3dB

Antenna gain is 0dBi