

## **Model: 5F611E9 (Transmitter portion)**

### **Technical Description of Transmitter**

The transmitter operates at 27.145 MHz, and controls a receiver to move forward and backward-right.

The circuit of the transmitter comprises of,

1. An Encoding circuit  
consisting: U1, SW1, SW2, SW3, SW4
2. An RF Oscillator  
consisting: Y1 (27.145MHz)
3. An Antenna Matching Network  
consisting: C5, C7, C8, C9, L3, L4
4. An Encoder, Mixer and Amplifier  
consisting: U1 (TX-2B) , Q1, Q2
5. A Power Supply  
consisting: one 9.0V Alkaline battery

The transmitter uses an external, integral and non-detachable antenna.  
The nominal rated field strength is 60.7dBuV/m @ 3m  
Production tolerance of field strength is +/- 3dB  
Antenna gain is 0dBi