

Model: SMR005 (Transmitter portion)  
Technical Description of Transmitter

The transmitter operates at 49.860 MHz, and controls the corresponding receiver to move forward, backward, left, right and carry out charging.

The circuit of the transmitter comprises of,

1. An Encoding circuit  
Consisting: S1, S2 ,S3 S4, U1
2. A RF Oscillator (49.860MHz)  
Consisting: Y1
3. A Filter Network  
Consisting: C14, C15, L2, C8, L3, L4, C9
4. A RF Modulator and Amplifier  
Consisting: Q1, Q2
5. A Power Supply  
Consisting: 3 x AA size batteries
6. Regulator  
Consisting: IC2A,IC2B
7. Charging Circuit  
Consisting: Q5, J1-2,J1-1
8. Clock Frequency  
Consisting: Y2

The antenna used:

An external, unique dedicated- telescope type antenna has been used.