

FCC ID: OTM-8418115-27MTX  
Model: 5F631D9 (Transmitter portion)  
Technical Description of Transmitter

The transmitter operates at 27.145 MHz, and controls the corresponding receiver to move forward, backward, left and right.

The circuit of the transmitter comprises of,

1. Control buttons

Consisting: S1, S2, S3, S4, S5 and S6

2. An Encoding circuit

Consisting: U1 (AT8P53-8)

3. A RF Oscillator (27.145MHz)

Consisting: Y1, Q1

4. A Filter Network

Consisting: L1, T1, C1, C2 and C3

5. A RF Modulator and Amplifier

Consisting: Q2

6. A Power Supply

Consisting: 9.0VDC (1 x 9.0V block size battery)

Antenna Gain: 0dBi

Nominal rated field strength: 67.9dB $\mu$ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB

The transmitter uses an external, telescope type antenna with unique antenna connector.