

FCC ID: V9Q-90420F27  
Model: 90421, 90422 (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. An Encoding circuit  
Consisting: U1

2. Control buttons  
Consisting: LEFT, RIGHT, BW, FW, TUR, A, B

3. A RF Oscillator (27.145MHz)  
Consisting: Y1

4. A Filter Network  
Consisting: L3, C8, C7

5. A RF Modulator and Amplifier  
Consisting: Q2, Q1

6. A Power Supply  
Consisting: 4.5VDC (3 X "1.5V" AAA batteries)

Antenna Gain: 0dBi

Nominal rated field strength: 71.8dB $\mu$ V/m at 3m

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

The transmitter uses an external and integral antenna.