

## Technical Description of Transmitter

The circuit of the transmitter comprises of

1. An Encoding circuit  
Consisting: U1
2. A RF Oscillator (49.860MHz)  
Consisting: Y1
3. Matching Circuit  
Consisting: L2, L3, L4, C14, C15
4. A RF Modulator and Amplifier  
Consisting: Q1, Q2
5. A Power Supply  
Consisting: 2 x AAA size batteries

Type of antenna: External Integral antenna

Type of modulation: Pulse modulation

The nominal rated field strength is 96.0dB $\mu$ V/m @ 3m

Production tolerance of field strength is +3dB / -18dB

Antenna gain is 0dBi