The antenna type used in this device is a copper antenna and signal type transmitted to the air is Pulse Width Modulation signal.

U4 Chipset EM78P153S is 8-bit Micro-controller (MCU) used for processing the baseband data.

When the data is being transmitted, the baseband signal is sent from MCU to JK1 RF MODULE , which is functioning as a pulse width modulator in this device, to be modulated in pulse width modulation format.

The battry 9V to supply Vref voltage to output transmitter circuit.

ANT1, C1, C3,VC1 and Q1 transistor consists of transmitter circuit, where VC1 is a variable capacitor to be adjusted to select wanted carrier frequency.

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                    ┌─────────────────────────────────────┐
                    │  BATTERY 9V SUPPLY TRANSMITTER       │
                    └─────────────────────────────────────┘
                                      │
                                      ▼
┌──────────────────────┐   ┌──────────────────────────┐   ┌──────────────────────────┐
│ LCD DRIVER           │◄──│ MCU                      │──►│ RF TRANSMITTER           │
│ crystal 32.768khz    │   │ Internal RC oscillation  │   │ FREQUENCY 315MHZ         │
│                      │   │ 4MHZ                     │   │                          │
└──────────────────────┘   └──────────────────────────┘   └──────────────────────────┘
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