

Circuit Description

The 27.145MHz crystal oscillator drives the base of Q1 the final/buffer amplifier.

The modulation provided by Q2. The output of Q2 has the matching network consisting of C4 and L1 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 23 cm long wire antenna

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt ("AA" size battery x 2) primary battery

Operation Description

Transmitter circuit

1、 system power supply: DC 3V

2、 Press: FORWARD, BACKWARD, RIGHT-WARD, LEFTWARD; respectively control forward, backward, turn right, turn left. Issued by TX-2B, a remote control code signal, issued by the local oscillation circuit the oscillation frequency signal (local oscillator circuit by the crystal, transistors, capacitors, and other components), the amplifier circuit and the carrier to be transmitted by the transmitting circuit and the antenna.