1. Circuit description

Q4 Q5 C18 C22 R19 R20 R21 R22 Q6 Q7 Q8 Q9 Q12 VR2 VR3 VR4 D3 D4 D5 D6 and RC generates code modulation signals which are shaped via Q_{10} Q_3.

Q_2 T_4 X1(27.095MHz) form signal frequency oscillation circuit.

A carrier signal of 27.095MHz is amplified via pulse Q_{14} , which drives amplifier Q_1.

A matched network circuit is formed by L_1 C_4 T_2 T_1 and C21 They enable the best coupling state of the high frequency carrier signal and the antenna.

2.Antenna ground and power source.

The antenna consists of a 1.1m long telescopic chrome over brass tubing. There is no external ground connection. The ground is only that of the printed circuit board . Electric current is supplied by 12 Volts Primary storage ceil.