

27.145MHZ Transmitter Operational Description

MATTEL H9281 R/C STUNT CAR-SAFARI

The transmitter of R/C Stunt car-safari is powered by 3.0V(2Xaa) battery, it has radio frequency 27.105-27.185MHz.band. Hand held unit for controlling the movement of a toy car. While push the controller down, it will transmitted a modulation signal for receiver to go backward. , When turn left or turn right controller, the receiver will turn clockwise or counter-clockwise.

Refer to the transmitter circuit design, the circuit description is listed as below :

- X1, L2, R7 and associate components are acted as local oscillator for modulation.
- L1, C7, T1, L3 and associate components are acted as RF power amplifier.
- U1 and associate components are acted as control signal encoder.

All tuning and verifications are performed by the manufacturer and there are no adjustments that can be made by the User. No external ground is required or used with this transmitter