

TX Project 02U1211
Model # 47999
Mini Shannen Skateboard

TRANSMITTER OPERATIONAL DESCRIPTION.

The RF transmitter is intended for use with RC toy vehicles. Transistor Q51, in association with crystal X1 and passive components L51, R52 R52 and C58, operates as 27.145 MHz oscillator of carrier RF signal.

The carrier signal is modulated by amplitude by multivibrator built on the base of transistors Q52 and Q53 and passive components C54, C55, R55, R56 and R54. The frequency of modulating signal is 1000 Hz.

Passive components C52 ,C57, L52 and C53 match the impedances of oscillator and permanently attached straight wire antenna. L52 is intended for adjustment of transmitter output power after assembling.

Transmitter starts to operate by closing S51, which applies power voltage 9V DC to the transmitter circuits. When S51 is switched off, the transmitter is inoperative.