

Applicant: SUNCON TOYS INDUSTRY LTD

FCC ID : 200080

T646 27MHz ZiZag2 TX Circuit Description

Transmitter Section:

One 3V DC voltage regulator can be found which are regulated from the battery and the 3V is the circuit power source.

There is a charger circuit Q281, Q283, Q282 and Q284 which is controlled by the MCU. When the CAR is placed on the transmitter, the push switch SW202 will be ON and the MCU will communicate with the CAR and charge the CAR battery one minute.

The 4 channel selection switches SW203, 204, 205, 206, 207 used to tell the MCU which channel the user is going to select. By proper programming the TX IC by the MCU, the RF carrier can be controlled.

The Forward / Backward Circuit is consisted of VR201 and VR204. The MCU can control the car forward or backward motion and their speed according the circuit input voltage.

The Left / Right Steering Circuit is consisted of VR202 and VR203. The MCU can control the car left or right motion and their steering angle according the circuit input voltage.

TX IC U281 is single-Chip RF PSK transmitter which includes VCO, PLL, oscillator, channel selection circuit and TX buffer. Q286 is RF PA.