

APPLICANT: Yick Shun Electronic Toys Manufactory LTD.

FCC ID: J7I-YS8005

YS8005 Circuit Description

RX

Receive the RF signal from Antenna, the RF signal will couple to T1&Q1 Super Generator osc circuit. the detect signal from Q1 and T1 - L2 combine and AF signal output at T1-L2 center point through to R8,C8,C9 pass to Q2 base and drives the Q3 couple to T2 output transformer drives the speaker unit.

TX

The sound signal will pick up from Microphone unit and the AF signal through the C14 pass to Q2 base and drives the Q3, the enlarge signal will output at Q3 Collector pass to Q1 & X1 49.860MHz Crystal Oscillator circuit to modulate, after the modulate RF signal will pass to T1 -L1 couple to L2 to antenna transmit.

Call Key

When press the call key, the AF circuit will generate one 1KHz freq., feedback signal, the 1khz signal will through T2 to drive speaker unit and if the function at TX mode, the 1KHz signal will modulate with RF Osc circuit and through T1 transmit the modulation signal by antenna.