

APPLICANT : SCIENTIFIC TOYS, LTD.

FCC ID : BY3E893

CIRCUIT DESCRIPTION :

The circuit is activated by the action of the paddle switches or press switches which make ground contact for U1 input pins. Q3 and Q4 are switching control of the power that allows current to be supplied to Q1 the crystal oscillator , Q2 the modulator/buffer and Q5 the microphone amplifier. The modulation to base of Q2 is supplied by U1 and/or Q5. Different modulation patterns are generated by U1 using different actions of the paddle/press switches. Pin 10 of U1 is the modulation output. C5, C12, C13 and L2 provide the output impedance matching to the antenna and harmonics suppression.