

# TAIYO KOGYO CO., LTD.

## **SUBJECT: Circuit Descripton**

Reference: FCCID: AEKA40327

The A40327 transmitter is made up of the two stage RF section. The crystal Oscillator Q2 is a bipolar transistor. The signal from the Crystal oscillator is fed through the tuned circuit made up of L1 & C4 and then coupled to the output stage Q3. From Q3 the signal is coupled to a tuned circuit made up of L2 and then coupled to a low pass filter through C13. The low pass filter is made up of C14, L3, and C15.

Modulation for this unit is pulse position and this is provided by IC1, the modulation is varied by the switches, S2, S3, S4 & S5.

The EUT also includes a battery charging intergraded circuit, IC2 that prevents over charging the re-chargable batteries.