

TAIYO KOGYO CO., LTD.

SUBJECT: Circuit Descripton

Reference: FCCID: AEKA30449R

The A30449R transmitter is made up of the two stage RF section. The crystal Oscillator Q3 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 Q4. From Q4 the signal is coup[led to a tuned circuit made up of L2 and then coupled to a low pass filter through C12. The low pass filter is made up of C13, L3, and C14.

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.