

### **99901 R/C Air Plane Circuit Description**

Walmart R/C Air Plane is a battery operated radio controlled product powered by 6 AA size 1.5V batteries. The circuit consists 2 parts, a battery charging part and a signal transmission part.

For the signal transmission part, the signals generated by an IC are modulated by Q3. The output of Q2 has the matching network consisting of L3 and C10 that limit the harmonic content and effect the proper coupling of the antenna to the output stage and this output is transmitted with a carrier signal driven by 27.145MHz crystal and these signals will be later interpreted by receiver decoder for the controlling.

The charging and discharging of the charging part is mainly operated by C5 and R22 making that the charging time about 3 minutes.