

### **Technical description**

The equipment under test (EUT) is an air purifier operating at 38.46KHz. It's powered by AC/DC adaptor with rated voltage DC 15V. For more detail information pls. refer to the user manual.

The function of main IC is mentioned as below.

- 1) U2, U3 acts as Power regulator
- 2) A1 acts as high voltage pulse generator
- 3) FA acts as fan
- 4) U1 & Q1 acts as LED Driver