

**Applicant: Nortek International (China) Ltd.**  
**FCC ID: S4SSPHERAWL**

### **Operational Description**

XT2A the 27.095 and XT2B the 27.145 crystal oscillator driver the base of U1 the final/buffer amplifier into the same base (U1) is the modulation provided by U1 , the output of U1 has the matching network consisting of C3,C4,C5,C6 and the C3,C4 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna ground and power source

The antenna is extension, there is external ground connection .the ground is that of the printed circuit board add extension lines . electric current is supplied by 2\*AA batteries.