

### **Transmitter working principle**

The audio signal pass from the R10 & R11 & C21 & C22 and imported to the 19th and 20th foot of IC2, after mixing and frequency modulation by the inner of IC2, and it is also controlled by the phase-locked loop data-signal which passed by MPU of IC1, when IC2 receives data-signal, it will compare to the inner benchmark frequency, at last, the phase-locked loop press-control voltage FX-PLL be received.

When adjusted transmit frequency signal pass from C15 to ANT, and then transmitted around by ANT, the signal will be received by radiogram.

When the frequency is selected, MCU will transfer the data of this frequency to packet IC3 to be stored. when the unit is supplied again, it will store the last frequency that displayed before cut off the power supply.