

**Applicant: Dexun Electronic Technology Co., Ltd.**

**FCC ID: RFP-WGT15**

### **Operational Description**

#### **1、Audio**

##### **1) MICAMP (IC3:4558)**

This amplifiers the voice signal of 50Hz~15KHz by about 20dB and makes pre-emphasis features of 50us.

##### **2) Compressor (IC2:571)**

This does limit the amplitude and compresses the voice signal not to make the pre-emphasis over modulated in RF Modulator.

##### **3) Regulator (IC1:78L05)**

This makes standard voltage for MIC AMP and RF part being supplied power from 9V Battery.

##### **4) Adjust the Distortion**

Adjusting the Distortion with semi-volume can minimize the noise of pre-emphasis compressor and MIC AMP.

#### **2、RF**

##### **1) Oscillator (Q1)**

This is a transmitting carrier oscillator that modulates the voice signal supplied for Audio to frequency and then oscillates third-time overtone and becomes standard oscillation for RF Carrier.

##### **2) MULTI (Q2)**

This multiplies the frequency oscillated from Q1.(FREQ: multiplied frequency)

##### **3) MULTI (Q3)**

This also multiplies the frequency multiplied in Q2. (FREQ: multiplied frequency)

##### **4) Buffer(Q4)**

This doesn't make the antenna affect the internal circuit when connecting the antenna and final carrier multiplied from Q3.