

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.