

HT-U20 Operational Description

1. Audio

1) MIC AMP(VT1)

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

2) Regulator (N1)

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

2. RF

1) Oscillator (VT3)

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 (VT4)

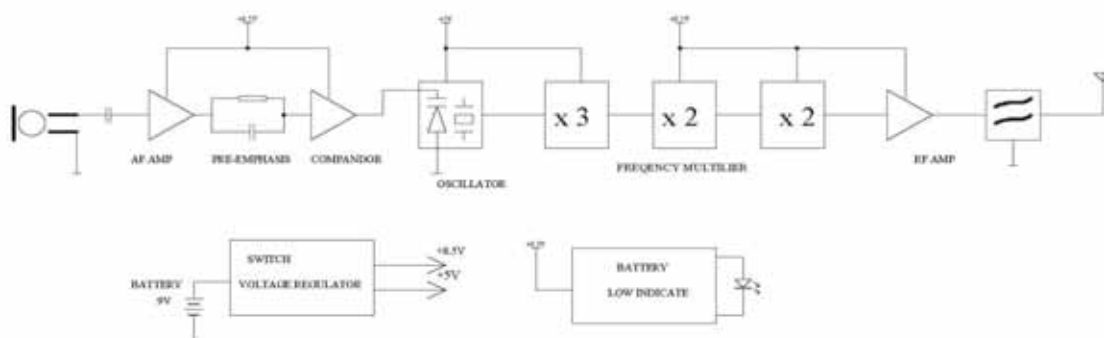
This multiplies the frequency oscillated from VT3.(FREQ: 2 multiplied frequency)

3) MULTI (VT5)

This also multiplies the frequency multiplied in VT4.(FREQ: 2 multiplied frequency)

4) Buffer

This doesn't make the antenna affect the internal circuit when connecting the antenna and final carrier multiplied from VT5.



HT-U20 TRANSMITTER BLOCK DIAGRAM