

Operation Description

Frequency Range: 638.35MHz to 643.475MHz

Signal from receiving antenna goes through BPF filter and then through RF amplifying. After the 1st local oscillation and HF amp mixed, the frequency is 56MHZ, and then mixed with the 2nd local oscillation, it becomes 10.7MHZ. After filtering, it goes to FM 1145 detect frequency, and AF amp and IC1145. The 17th pin is to mute RSSI MF signal. IC1145 detects 32.768KHZ, then detects TONE signal control mute, then goes to expander, and De-emphasis, then goes to AF amp, and then to unbal/bal output.

After IC2069 amplified the mic signal, it goes to IC571 compression, pre-emphasis and amplified, then goes to 32.768KHZ tone lock and to high oscillation circuit for modulation, and to the quartz 3 octave, 12 octave, 48 octave, and to RF amp, then goes out.