

26 APR 2006

No 45038

Operational Description

In Reception Mode:

Antenna Q1 forming FM/WB input reflex circuit.

FM oscillation frequency ranging from 88-108 MHz is derived from SW1, variable capacitance C and L5.

WB oscillation frequency ranging from 161-164 MHz is derived from SW1, variable capacitance C and L9.

Thus, pin3 at U1 the mixed frequency output and pin8 the input for IF amplifier are output via pin11 into U2 power amplifier to amplify signal which in turn is output via pin1, pin3 at U2 into speaker to sound.

Antenna and ground circuit:

This unit equipped with an external and retractable 33CM long antenna is inductively coupled input it's powered by 4.5V DC and works without external Ground but with PCB ground.