

Application No.: HM155891

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Circuit Description

The 88.1-107.9MHz crystal oscillator drives the base of Q7 the final/buffer amplifier. The modulation provided by U4. The output of Q7 has the matching network consisting of C2, C54, C55, C12 and LPF1, R49 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by iPod.

Operation Descriptions

The transmitter is a controller operating at 88.1-107.9MHz band. The transmitter is powered by iPod. The operation is achieved by different combinations of form frequency modulating signal on the 88.1-107.9MHz carrier frequency.

Remarks:

It is Voice transmitter, Modulation by IC; and type is Frequency modulation.