Application No.: <u>HM155892</u>

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FCC ID: <u>S8GAWWINWD2006</u>

Circuit Description

The $\underline{88.1\text{-}107.9}$ MHz crystal oscillator drives the base of $\underline{Q7}$ the final/buffer amplifier. The modulation provided by $\underline{U4}$. The output of $\underline{Q7}$ has the matching network consisting of $\underline{C2}$, $\underline{C11}$, $\underline{C30}$, $\underline{C34}$ and $\underline{BP2}$, $\underline{R4}$ 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 <u>controller for a iPod</u> operating at <u>88.1-107.9</u>MHz band. The operation is achieved by different combinations of form frequency modulating signal on the <u>88.1-</u>107.9MHz carrier frequency.

Remarks:

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