

# **FCC ID: MS3UFM2003**

## **Circuit Description**

Please refer to schematic for reference.

- 1) U2 is a complete FM stereo transmitter IC. This circuit has a stereo audio input and a 75-ohm RF output.
- 2) Frequency of operation is determined by hard-contact switch selection made by the Channel selector slide switch.
- 3) There are four (4) channel selections available for transmit frequency.
- 4) There is no ON/OFF switch for this product. Circuit goes ON when product is plugged to automobile cigarette lighter outlet. Product is exclusively designed for in-automobile use only so that user can listen to MP3 player via the automobile FM radio system.
- 5) Power consumption of FM transmitter IC is 20ma typical at 5v.

## **Antenna:**

- 1) Wires connecting to MP3 player are used as the antenna.
- 2) RF schematic of antenna is shown below:

