1. How does the device operate?

  - This device transmits the audio signal from TV using FM modulation in 88.1MHz ~ 107.9MHz.

2. Provide information on the device and its antenna.

Power Requirements	DC 3.3V
Transmitter Output Power	250uV/m at 3meter
Current Consumption	30mA
Dimension(W*H*D)	53.0*5.0*21.5 mm
Operating Temperature	0℃ ~ 50℃
Operating Humidity	10% ~ 75%
Frequency Range	88.1MHz ~ 107.9MHz
FM Deviation	75KHz (100% MOD)
Input Audio Level	500mV (RMS)
Transmitting Distance	5m ~ 10m
Antenna Length	900mm

<Top Side View>

<Bottom Side View>

※ Antenna is $\lambda/4$ flexible wire type.

    Any other antenna cannot be attached to this device.　Because of soldering.

3. How is it installed?

1) Insert FM Transmitter Module into the Socket which is located at the back side of TV

2) Push the menu button on Remote controller for TV and select FM Transmitter on Sound Menu

3) Make FM Transmitter Active

4) Tune the Frequency to what you want (Frequency Range: 88.1MHz~107.9MHz)

5) Listen to TV sound through FM Radio after tuning FM Radio with the same Frequency as FM Transmitter's

4. What test procedure was used?

The power line conducted emission test was not performed because this device is only powered by DC 3.3V

The field strength of emissions was measured in accordance with FCC Part §15.239 and ANSI C63.4:2003.

The EUT was placed on a 0.8m high wooden table inside a shielded 10m semi-anechoic chamber.

An antenna was placed at 3m distance from EUT.

5. If tested in a car, how was it configured?

- This device is not used in a car.

6. Was the bandwidth properly verified? The test lab should indicate in the report that the tuning controls were manually adjusted to verify the maximum tuning range.

The user manual of this device mentions that the operating frequency range is 88.1 ~ 107.9MHz.

These operating frequencies were verified manually before the tests using frequency selecting button of the menu screen.

7. Was the bandwidth properly tested with the maximum audio input? The test lab should describe the audio input signal (use a typical audio file from a typical device) - DO NOT use 1kHz tone from signal generator as specified under ETSI EN 301 357-1)

The input audio signal was delivered from MP3 player.   The input audio signal level was maximum volume level of the MP3 player.

A mp3(Rock Song) file was used for test.

8. Does the device operate in a vehicle? Please state that this was verified.

- This device is not used in a car.