

1. How does the device Operate?

This device use DC 12V from cigarette lighter jack of a car. User can use connector of the unit for Ipod or use line-in jack to input audio signal from other audio equipments. This device use RS300A FM Stereo transmitter IC. RS300A consists of a stereo modulator for generating stereo composite signals and a FM transmitter for broadcasting FM signal on the air.

2. Provide information on the device and its antenna.

Internal Wire Antenna is soldered permanently to the PCB. Any external antennas can not be attached to this device.

3. How is it installed?

This device installed on the cup holder of the cars. The power is supplied from the cigarette lighter jack of a car.

4. What test procedure was used?

The power line conducted emission test was not performed because this device is powered from a car cigarette jack only.

The field strength of emissions was measured in accordance with FCC Part §15.239 and ANSI C 63.4:2003. The EUT was placed on a 0.8m high wooden table inside a shielded semi-anechoic chamber for pre-scanning test. An antenna was placed at 3m distance from EUT and measurements of frequencies and amplitudes of field strengths were recorded for reference during final measurements. For final radiated testing, measurements were performed at 3m OATS.

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

The test was not performed in a car. The tests were performed on OATS.

6. Was the tuning range 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 specifies that the operating frequency range is 88.1 ~ 107.9 MHz. This operating frequency range was verified manually before the tests using frequency changing button of the unit.

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 Ipod or MP3 player. And the input audio signal level was maximum volume level of the Ipod and MP3 player.

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

Yes, this device can be used in a car.