

1. How does the device Operate?

This device is operated from 88.1MHz to 107.9MHz for FM transmitting.
It transmits the audio signal from an audio file on the SD memory card.

2. Provide information on the device and its antenna.

This device should use Cigar Jack by antenna. Any other antennas can not be attached to this device.

3. How is it installed?

Power of this device is supplied from battery and cigar jack.

Turn on the device. And after selectting FM transmitter mode. Adjust TX frequency with buttons on the touch screen.

Set the TX enable button. Then this device transmits the audio signal.

(In the condition of the FM TX mode, speaker and earphone audio out are disabled.)

4. What test procedure was used?

The power line conducted emission test was not performed because this device is only powered by battery or cigar jack.

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?

The test was not performed in a car. The tests were performed in a semi-anechoic chamber.

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

This 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 internally from N4600. And the input audio signal level was maximum volume level of the N4600.

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

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

Yes, this device is used in a car.

This device can be powered by cigar jack and operated in a vehicle.