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INNOWELL CO., Ltd.

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Gentlemen,

Responses to inquiry for the UMPC with FM Transmitter (FCC ID: VEOURENV1)

1. how does this device operate?

This device is a UMPC with a FM transmitter module with tuning range from 88.1MHz to 107.9MHz with 100KHz step.

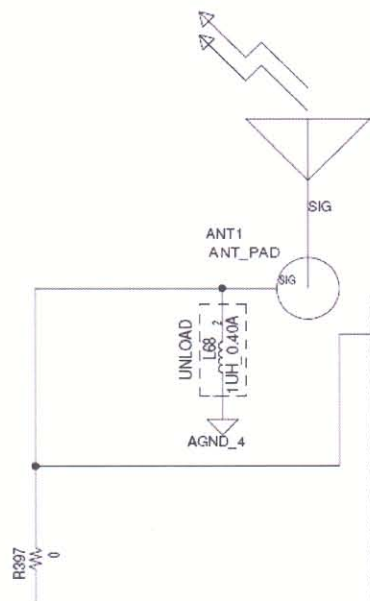
The audio signal is imported from the 8th and 10th pin of U20, and exported by 1st pin in the format of FM radio signal. It is controlled by MPU with I2C serial bus. Serial data I/O pin is 4th pin of U20 that is directly connected with MPU. MPU can set reference frequency of FMT module, U20 with 4th pin serial data i/o, 2nd pin serial clock in 32.768KHz clock signal and 11th pin ULD output feedback. The field strength of FMT module is fixed at max 250uV/m.

The adjusted transmit frequency signal transmittes through 0 ohm resistor R397 and around by antenna, this signal will be received by radiogram.

Please refer to circuit diagram attached for details.

2. provide information on the device and its antenna.

The antenna is a permanent antenna (a black cable wire) coupling to the intentional radiator and not a part of the car wiring. Please refer to the following picture for more details.



3. how is it installed?

It is installed for a car navigation UMPC.

4. What test procedure was used?

ANCI C63.4:2003.

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

It was not tested in an automobile. It was tested in a 3M Chamber as shown in the Test Set-Up photographs.

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

Yes. The tuning range is from 88.1MHz to 107.9MHz.
The tuning controls were manually adjusted.

7. Was the bandwidth properly tested with maximum audio input?

The maximum output Level of the typical device is used by the mp3 file of UMPC. Do not use a 1kHz signal form a generator

8. Provide the test report
Provided

Sincerely,

Research Engineer / R&D



Sujun Bae