

## Helen Zhao

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**From:** Generic Office of Engineering Technology [oetech@fccsun27w.fcc.gov]  
**Sent:** Wednesday, January 17, 2007 7:04 AM  
**To:** Helen Zhao  
**Subject:** Response to Inquiry to FCC (Tracking Number 274250)

### **Inquiry:**

### **Inquiry:**

Permit but Ask List #1. FM band modulators / transmitters operating under 15.239 of the FCC rules

### New Application

Grantee: Gaon Int Co., Ltd.

FCC ID: UP4GWT-102

EUT Description: FM Transmitter

Equipment Class: DXX

Rule Part: 15.239

Below is the answer to the following FCC questions:

1. How does this device operate?

It shall be operated in home or car.

2. Provide information on the device and its antenna

The device consists of FM Transmitter portion and internal antenna. The device transmits sound sources such as MP3P, CDP, MDP, PMP, and PDA into radio frequency, allowing the enjoyment of portable audio device music via car audio system or home audio equipment without the need for earphones or headsets.

3. How is it installed?

The device is installed with the radio mounted in a manner that avoids blocking the view of the road by the driver.

4. What test procedure was used?

ANSI C 63.4.

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

It was not tested in a car, but it was tested in an open area test site and chamber, because the device does not have an external transmitting antenna input port.

6. Was the tuning range properly verified?

Yes, the lowest channel is 88.1MHz, and the highest channel is 107.9MHz. Please refer to the statement and test data on pages 12 and 13 of the test report.

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

The EUT has audio input ports, so the input port was connected to an MP3 player and then the EUT transmitted MP3 music files which were saved in the MP3 player with maximum audio output level during the test.

8. Provide a test report.  
The report is attached.

Please advise if it is OK to file 731.

Thank you,  
Helen Zhao  
Compliance Certification Services.

**---Reply from Customer on 01/05/2007---**

Attached please find two exhibits: 1) Antenna Photo 2) Test Report Please review. Thank you,  
Helen Zhao

**---Reply from Customer on 01/09/2007---**

The antenna used by the device is a curled audio input cable on the EUT and the end of cable was soldered on the PCB in the EUT. Please refer to the revised Test Report and antenna photos. Below is the modified answer to Question #2: 2. Provide information on the device and its antenna The device transmits sound sources such as MP3P, CDP, MDP, PMP, and PDA into radio frequency, allowing the enjoyment of portable audio device music via car audio system or home audio equipment without the need for earphones or headsets. The antenna for the device is an curled audio input cable. Thank you,

**---Reply from Customer on 01/11/2007---**

Wrong version. Regarding this issued, TCB sent out comments to the test lab on 12/18/2006 (see attachment). Before replying to FCC on 1/8/2007, I checked the revised report and did find this error, so the test report was updated again, don't know why the wrong version test report was still uploaded. Sorry about the confusion. See attached correct version.

**Response:**

Please go ahead and complete the filing. Submit a copy of this inquiry into the filing. Please ensure that all exhibits comply with all FCC rules and policies.

Do not reply to this message. Please select the [Reply to an Inquiry Response](#) link from the OET Inquiry System to add any additional information pertaining to this inquiry.