

## Chris Harvey

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**From:** amanda.wu [amanda.wu@tw.ccsemc.com] on behalf of application [application@tw.ccsemc.com]  
**Sent:** Sunday, January 20, 2008 9:10 PM  
**To:** charvey-tcb@ccsemc.com  
**Cc:** application@tw.ccsemc.com; charvey-tcb@ccsemc.com  
**Subject:** Re:DIGIMAX INNOVATIVE PRODUCTS LTD., FCC ID: VLV45113049603, Assessment NO.: AN07T7190, Notice#1  
**Attachments:** UP-45XX (X = 0 ~ 9 or A ~ Z) APPENDIX I.pdf; UP-45XX (X = 0 ~ 9 or A ~ Z) Internal Photo Revised 0109.pdf; UP-45XX (X = 0 ~ 9 or A ~ Z) Confidentiality letter Revised 0117.pdf; UP-45XX (X = 0 ~ 9 or A ~ Z) Test Report Revised 0114.pdf

Dear Sir,

Sorry for the delay in replying your questions., plz see my reply, thank you.

Best Regards,

Amanda

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2007/09/12 05:12 AM

¥D!®jG DIGIMAX INNOVATIVE PRODUCTS LTD., FCC ID: VLV45113049603, Assessment NO.: AN07T7190, Notice#1

Dear Seven Chen,

You are listed as the Technical Contact for the above referenced TCB application.  
The following item(s) need(s) to be resolved before the review can be continued:

1. Is this device a Field-Disturbance Sensor as defined by 15.245, even though you are filing this under 15.249? Please describe the technical description of the technology used for the transmitter and sensor.

Ans: Since the operation frequency is 2418-2433MHz, so we adopted 15.249.

According customer's explain: Radar, transmitting Electromagnetic capacity by directional to the space, by which receive the electrinc waves by object's reflection in the space, can caculate the direction, heights and speeds of this object. The application of this device is made by Doppler theorem. Customer provide the web site for reference.

[http://en.wikipedia.org/wiki/Doppler\\_effect](http://en.wikipedia.org/wiki/Doppler_effect)

2. There is a potted chip on the PCB. The photos must show the chip under the potting material. If needed, the photo without the potting material can be held confidential (with an updated letter) since the potting material in production can be a reason to hold certain internal photos as confidential.

Ans: Since the potting material is phonetic chip, pls take the appendix document as confidential fils.

3. The Users manual shows a sensitivity dial, which appears to be a RF power adjustment. There is no indication whether this dial was adjusted during the tests to determine the worst case emissions. Please ensure that the testing is performed using the worst case position of the sensitivity dial and update the report.

Ans: Ans: Plz see page 6 of the test report.

4. The test report EUT Description and Test Modes sections indicate that this device operates from 2418 - 2433 MHz, but the test data shows CH Low as 2420MHz and CH High as 2440MHz. Please correct the report.

Ans: Plz see page 21-23 of the test report.

5. The test data for the low channel shows 2420MHz in Vertical Polarity and 2416.67MHz in Horizontal polarity. Is this an error? Did the Center frequency of the low channel shift between Horizontal and Vertical polarities?

Ans: sorry for mistake, it's typo. Plz see page 21-23 of the test report.

6. In accordance with FCC 15.215(c) the 20dB Occupied BW must be contained within the allowed band. The test report does not contain the 20dB Occupied Bandwidth measurement data. Please provide this 20dB BW measurement according to 15.215(c).

Ans: 20dB Occupied BW had been added into the test report, plz see page 11 of the revised test report.

7. The Application Form indicates that this is equipment Code DSC (Remote Control Security Device) and does not indicate the frequency range of operation. Please provide the Frequency of operation and the Equipment Class and I can make the changes on the Application Form online.

Ans: Frequency of operation: 2418 ~ 2433MHz, Equipment Class: DXX

8. Please explain how this device's 15 channels are changed and the center frequency for those channels.

Ans: This device use the Doppler theorem to change those channels.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

Best regards,

Chris Harvey  
Charvey-tcb@ccsemc.com