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Contact Information:

Customer First Name: **Alfred**~~Customer Last Name:~~ **Cirwithian**Telephone Number: **410-290-6652**Extension: **18**E-mail Address: **al@pctestlab.com**

Address:

Line 1: **6660-B Dobbin Road**

Line 2:

P.O. Box:

City: **Columbia**State: **Maryland**Zip Code: **21045**Country: **United States**

Inquiry Details:

First Inquiry Category: **TCB Procedures**Second Inquiry Category: **Permit but Ask**

Third Inquiry Category:

Date: December 8, 2006 FEDERAL COMMUNICATIONS COMMISSION Authorization and Evaluation Division 7425 Oakland Mills Road Columbia< MD 21046 USA Subject: FCC FI5-DBRPL10 Dear Lab Help Expert, Pursuant to the telephone conversation between Phil Inglis and Joe Dichoso on November 28, 2006 we are asking for permission to grant the subject application under the TCB certification program. The EUT contains an antenna array that is professionally installed on the ground. A description of the setup is attached. The unit was tested on a 10 meter OATS on the ground screen and the test receive antenna was moved around the perimeter of the area under test with a 3 meter spacing maintained between the EUT and the test receive antenna. The antenna was oriented both vertically and horizontally and raised and lowered to maximize the emissions. A copy of the test report under FCC Part 15.231 can be sent for your reference. A description of the actual EUT setup (to be installed by the applicant) can also be sent. We understand that this rule part is not listed under the permit but ask program but Joe Dichoso asked us to submit the certification request as such. Alfred Cirwithian\PCTEST

---Reply from Customer on 12/12/2006---

1. The power settings for the production transmitter boards are set at the factory. The system installation is performed by professionals. Neither the installers nor the end users have access to the firmware that controls the power settings. 2. The EUT was scanned between the 8 radials by moving the receive antenna between the intervals while observing the emission levels for the fundamental and the spurious emissions on the spectrum analyzer. The worst case emissions were reported. 3. EUT and test photos are attached.

Response(s):

--OET response sent on Dec 8 2006 3:08PM--

Verify whether or not power output adjustment as indicated in the test report is adjustable by end user or installer. If so, how is user prevented from making adjustments out of compliance.

The test report indicates testing in 8 radials. Such an antenna array does not appear omni-directional, therefore additional tests between radials is required to find maximum. Please clarify.

Photos of the device and test setup in the test report were not viewable. Could you please submit separately?

--OET response sent on Dec 13 2006 11:16AM--

Go ahead and file and submit a copy of this inquiry into the filing. Please modify test report to indicate testing between radials were performed to obtain maximum readings. Thanks.

[Enter any additional comments below:](#)

Please send any comments or suggestions for this site to [OET Systems Support](#)

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
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TTY: 888-TELL-FCC (835-5322)
Fax: 202-418-0232
E-mail: fccinfo@fcc.gov

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