

## Chris Harvey

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**From:** Claire Hoque [claire.hoque@ccsemc.com]  
**Sent:** Tuesday, April 18, 2006 7:12 PM  
**To:** Chris Harvey -TCB; Chris Harvey  
**Cc:** Barbara Judge; Christine Vu; charveyemc@verizon.net; Michael Heckrotte; Thu Chan; David Garcia  
**Subject:** answer (06U10236)for ATHEROS COMMUNICATIONS, INC., FCC ID: PPD-AR5BMB71, Assessment NO.: AN06T5680, Notice#1  
**Attachments:** Setup Photos(revised).pdf; 06U10236-1 FCC DTS Report(revised).pdf; MPE.pdf

Hi Chris,

Pls see answers below and pls help to issue grant today.

Question #1: From the description of the Power Spectral Density test in the test report it appears as though PSD Option #1 from the with FCC DTS measurement procedure published on May 09, 2005 has been used. Since output power is measured with output power option 2, you must also measure PSD with PSD option 2. The requirement for PSD measurement is stated below:

Section 15.247(d) ; V Power spectral density (PSD).

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used. Use PSD Option 1 if Power output Option 1 was used. Use PSD Option 2 if power output Option 2 was used.

Please redo the PSD measurement and update the test report with the procedure and new data.

<answer>pls see revised report to address this question, all output powers are measured with peak output power measurements in option 1, just like normal DTS band method measurement.

Question #2: Was Single Chain or Triple Chain (3x3) transmitting mode used in Test Report Section 6.2 radiated spurious emission tests?

<answer>EUT was tested with all three chains transmitting.

Question #3: The Modular Approval request letter indicates that the MPE Exhibit is included in the test report. Although the test report is 384 pages in length, the MPE exhibit has not been included. Please provide a separate MPE Exhibit for the worst case transmitting mode/state of this device. Please note that this device will be restricted for installation into devices that must maintain a 20cm minimum separation to users.

<answer>MPE is added in the report, and it is also attached here.

Thanks,

Claire