

**Helen Zhao**

---

**Subject:** FW: RE: ATHEROS COMMUNICATIONS, INC., FCC ID: PPD-AR5BXB72, Assessment NO.: AN06T6122, Notice#1

**From:** Michael Heckrotte  
**Sent:** Wednesday, October 18, 2006 8:41 AM  
**To:** Claire Hoque; Helen Zhao  
**Cc:** Barbara Judge  
**Subject:** RE: ATHEROS COMMUNICATIONS, INC., FCC ID: PPD-AR5BXB72, Assessment NO.: AN06T6122, Notice#1



06U10382-1C FCC  
UNII C2PC Repo...

Helen,

Regarding Q1, The applicant intends to use an electrically identical radio module in a separate filing with a different FCC ID number using higher gain antennas than are specified in this filing, and reuse the data. The spurious data was measured in anticipation of this higher antenna gain. With respect to the maximum antenna gain in this filing, all reported measurements are in compliance with the limit.

Regarding Q2, The worst-case configuration for tests below 1 GHz is the mode and channel with the highest power: 802.11b mode, mid channel. This mode and channel was worst-case for the original submission and remains worst-case for the C2PC.

Regarding Q3, Additional photos added to report.

Regarding Q4, The complete antenna list for this C2PC filing is the same as for the original submission.

Regarding Q5, The revised report includes test data with the Master Device incorporating software version 5.1.0.42. This is the final software version used in the Access point DFS tests.

Best Regards,  
Mike

-----Original Message-----

Sent: Tuesday, October 17, 2006 5:40 PM  
Subject: ATHEROS COMMUNICATIONS, INC., FCC ID: PPD-AR5BXB72, Assessment NO.: AN06T6122, Notice#1

Question #1: Test Report - Conducted Spurious emission in 5470-5725MHz band: please explain why the display line is placed at -34.4dBm/MHz or -34.6dBm/MHz, the limit is EIRP -27dBm/MHz, the antenna gain is 5.34dBi or 5.3dBi.

Question #2: Test Report - Radiated emission test below 1GHz in 5470-5725MHz band: please explain why below 1GHz test was done at 11b mode, not 11a mode.

Question #3: Please provide additional test setup photos to show radiated emission test with monopole antenna.

Question #4: Please confirm if only one PIFA antenna and one monopole antenna will be covered under this filing. If not, please submit a complete antenna list that will be used under this FCC ID number.

Question #5: Based upon the questions asked by FCC in reviewing Access point application, please confirm the data contained in this report is the final test data with software version used in the Access point DFS tests.

Best Regards,  
Helen Zhao

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.