

13 March 2006

American TCB  
6731 Whittier Avenue  
McLean VA 22101

RE: Digi International  
Response to ATCB Comments\_022406.pdf

FCC ID: MCQ-50M879 / IC:1846A-50M879

In response to your comments on the above submittal from February 27, 2006.

1. ATCB Comments: For the 731 form,
  - a) please correct the frequencies for actual tunable range. Generally 802.11 devices are only operational on 2412-2462 MHz in the U.S.
  - b) please correct the equipment code to DTS (Section III, 4(a)).
  - c) for DTS devices, emission designator is not necessary for U.S. Please remove.

**RESPONSE: Form 731 has been revised as recommended and uploaded.**

2. ATCB Comments: For testing of modules, the antenna must be insulated a short distance above the wooden table. It appears spacing may not have been used as required by FCC in several recent TCB trainings.

**RESPONSE: Testing is performed on a non-wooden structure.**

3. ATCB Comments: For FCC we are supposed to use the same ratings as specified on the original grant. However Part 15 devices must be listed by "tunable" frequencies (i.e. – typically 2412 – 2462 MHz for this type of device), and not frequency range (2400 – 2483.5 MHz). However, we can not change the previous rating without a cover letter explaining the error. Please provide a cover letter explaining the previous grant shows the range and not the tuning frequencies, and that you are requesting the current grant to be listed correctly (along with citing the correct tunable frequencies) to be properly corrected. Otherwise we will have to notify the FCC and wait for the previous grant to be corrected prior to releasing the grant.

**RESPONSE: Letter Uploaded.**

4. ATCB Comments: Radiated emissions > 1 GHz appear to only be performed for the high channel. If the antenna is a different type or greater gain, then a typical low, middle, and high channel would still be necessary for testing. Antennas are not necessarily linear in nature. Please review.
5. ATCB Comments: Additionally, radiated emissions bandedge data for 2.4835 GHz restricted band should be provided. Please review.

**RESPONSE: Data addressing both 4 and 5 had been uploaded. Do you require the test report to be revised to include this data?**

6. Please provide an RF exposure exhibit (MPE calculations) for the antenna covered by this application.

**RESPONSE: Exhibit Uploaded.**

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7. Please provide a current RSS-102 attestation from our new IC form for this application.

**RESPONSE: Exhibit Uploaded.**

Please let us know if anything further is required.

A handwritten signature in black ink that reads "Susan L Rupp". The signature is written in a cursive, flowing style.

Susan L Rupp, Technical Writer  
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