

## Rich Fabina

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**From:** Bill Stumpf [bstumpf@dlsemc.com]  
**Sent:** Wednesday, December 01, 2010 10:14 AM  
**To:** Marianne Bosley; Jill Stumpf; Richard Fabina  
**Cc:** Marianne Bosley  
**Subject:** RE: www.AmericanTCB.com ATCB009151 | NUC-IPSERIES | 3287A - IPSERIES | | NUC-IPSERIES\_ATCB009151  
**Attachments:** Brady Corp (9151) 3RT.PDF

Rich/Marianne,

In response to question 1 of the attached, I have made an inquiry to the FCC in regard to the AC Line conducted emissions on a composite device. Based on the FCC response, Class A limits for AC line conducted emissions is acceptable if the host device is subject to Class A.

I've tried contacting Jeff at Brady without success. You will have to rely on him for those pictures, as we did not do the filing for this Class 2 P.C.

Best regards,

Bill

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Office of Engineering and Technology

### Original inquiry 11/22/2010

Your inquiry has been received by the FCC and it's been assigned tracking number is **361786**.

**Subject:** Composite Device AC Line Conducted emissions

Consider FCC certification of a composite device (transceiver in a host device) where the host device is "Class A", and the transceiver gets its power from the host device. The host device is subject to

**Question:** "Class A" line conducted emissions, and the transceiver is subject to "Class B" AC Line conducted emissions. If the host device can only meet "Class A" Line Conducted emissions how is compliance of the transceiver device to "Class B" AC Line Conducted emissions proved? Or is compliance with "Class A" emissions sufficient in these cases?

### FCC initial response/questions (11/29/2010)

**Inquiry:**

Consider FCC certification of a composite device (transceiver in a host device) where the host device is "Class A", and the transceiver gets its power from the host device. The host device is subject to "Class A" line conducted emissions, and the transceiver is subject to "Class B" AC Line conducted emissions. If the host device can only meet "Class A" Line Conducted emissions how is compliance of the transceiver device to "Class B" AC Line Conducted emissions proved? Or is compliance with "Class A" emissions sufficient in these cases?

**Response:**

Please submit more information. Is the transceiver certified? What power does it receive from the host-is it 120 V, 60 Hz AC, DC or something else?

**FCC final response 12/1/2010**

**Office of Engineering and Technology**

**Inquiry:**

**---Reply from Customer on 11/29/2010---**

Is the transceiver certified?

Answer: Yes, the transceiver is subject to (FCC Part 15.225) certification (application for certification pending response from FCC on this issue)

What power does it receive from the host-is it 120 V, 60 Hz AC, DC or something else?

Answer: The transceiver is installed in the host device. The host device connects to 115V - 60Hz AC power, there is no AC power applied directly to the transceiver. Regulated DC power to the transceiver is supplied by the host device power supply.

**Response:**

If the transceiver is certified, then the composite must be tested to show compliance with the Class A line conducted emission limits.