

December 10, 2003

RE: Intel Corporation  
FCC ID: PD9WM3B2200BG

**Answers to the ATCB comments on the above referenced Application.**

1. Please fill in the technical contact information fields on the 731.  
Refer to "Form 731 (Rev. A, 11-25-03)"
2. Please note that you have put the grantee code in the equipment code field. Please note that the equipment code for this type device is DTS. Please correct the 731 to show the proper equipment code.  
Refer to "Form 731 (Rev. A, 11-25-03)"
3. Please note that the users guide appears to be the guide to the end user. Please provide the OEM installation guide for this mobile module.  
The OEM will have their own specific instructions as all laptop vendors will have different locations of where the WLAN card is placed. Since Intel does not make the OEM laptops, Intel cannot provide the OEM installation instruction for all the OEM vendors.
5. Please note that the test setup photos are not clear and they appear that the module is located inside the desktop. Please note that this makes the application an LMA for the specific desktop. For a full modular approval, the module MUST be tested in standalone configuration. Please revise your application for LMA, or alternately, please test the module in standalone configuration.  
The module was tested in a standalone configuration. It was installed outside the host computer chassis.  
Refer to "Photographs – Test Setup (Close up)".
6. Please explain the copper tape in the setup photo. Is this needed for compliance? How will this be implemented? If it is not needed, please remove it and retest the device without the copper tape.  
The copper tape was installed because a PCI extender board was placed in the host computer PCI slot in order to bring the PCI slot outside the computer chassis. The copper tape is to simulate a PCI slot bracket.
7. It appears that the antenna(s) are mounted to a large metal frame. This may affect the radiation pattern and most likely affect radiated emissions. Please explain why this large metal frame was used. If this is not part of the normal antenna configuration, please remove the metal frame and retest in a normal antenna configuration. If this is part of the normal antenna configuration, please provide information on this in the OEM installer's guide.  
The large metal frame simulates an LCD laptop screen and is needed to load the antennas for the purpose of the radiation pattern.
8. Please explain why the desktop PC is laying on its side during testing.  
This was the easiest way to mount the antennas above the WLAN module to better simulate a notebook computer.
9. There appears to be more than ample room on the label to place the 2-condition statement. Please explain why this statement is not on the label. Alternately, please provide a label with the 2-condition statement.  
The 2-condition statement will be provided in the manual. Refer to pages 87 & 88 Regulatory of the "User's Guide"
10. Please provide a photo or drawing showing where the label will be placed. Please provide an explanation of how the label is permanently affixed to the device.  
The label covers the whole card on both front and back. Refer to "Photograph – Label Placement". This label is not the correct exact label but will be placed in the same manner. For the correct label refer to "Label1" & Label2".

11. Please note that you have used CISPR22/EN55022 limits for radiated emissions. Please note that while CISPR limits may be used for part 15 unintentional radiators they may not be used for intentional radiators. Please recalculate your radiated emissions using the intentional radiator limits of 15.209.

[Refer to "Test Report – EMC \(Rev. B, 12-08-03\)](#)

13. I believe that most mini PCI cards use reverse SMA connectors, however, the schematics for this device show UFL connectors. Please verify/explain.

[The mini PCI WLAN device use UFL connectors not reverse SMA connectors.](#)