

RE: Wistron Corporation
FCC ID: PU5MS2119

Dear Mr. Timothy R. Johnson

Here are our answers:

1) The FRN Number provided with the application (FRN 0000429012) does not match Wistron, please provide their correct FRN number.

Ans:

The FRN Number for Wistron is 0004-9916-75

2) Please provide clear top and bottom photographs of the mini-PCI card. Additionally, photographs of the area underneath the metal shield must be included.

Ans:

The updated photographs of mini-PCI card are attached. Please refer to ans2-a.jpg & ans2-b.jpg (exhibit type: internal photo)

3) Please provide close up photographs of the antennas themselves.

Ans:

The updated photographs of antennas are attached. Please refer to antenna 1.jpg & antenna 2.jpg (exhibit type: internal photo)

4) Information regarding the antennas appear to show information for 2.4 GHz and 5 GHz. However, this approval appears to only be for 2.4 GHz. Please explain.

Ans:

These antennas are the common parts of Wistron Corporation, the Grantee of PU5MS2119, some other Notebook PC models of Wistron with similar mechanical structure as PU5MS2119 will also use these antennas. And these Notebook PC models will be built with 802.11a (5GHz) WLAN module. Of course, these Notebook PC models will be applied for FCC Grant under different FCC ID.

5) Please provide a higher resolution block diagram of the mini-PCI card. Also, please be sure that the block diagram shows the frequencies of all oscillators in the mini-PCI card (CFR 2.1033(a)(5)). Please provide an updated version that includes this information.

Ans: The updated block diagram is attached.

Please refer to Block Diagram MiniPCI updated.jpg (exhibit type: Block Diagram)

6) Since this device is considered as a PC and approved as a PC under a DoC according to the labeling provided, then a compliance information sheet should be included in the MAIN users manual (suggested to be on the same page with FCC statements) or as a separate sheet. This information must contain the following information regarding DoC compliance:

Ans: The COMPLIANCE INFORMATION will be added to user's manual (Notebook PC). The additional two pages are as attached.

Please refer to FCC DOC.pdf (exhibit type: User Manual)

7) FYI. It is recommended that you place the EUT to antenna distance on each radiated data table or page.

Ans: Thank you for your recommendation. The revised test report is attached.

Please refer to 03LR006FC updated.pdf (exhibit type: Test Report)

SAR

8) The Z-axis plots provided in the report only confirm a 3 cm liquid depth. The FCC likes to be able to confirm that the 15 cm liquid depth was present by supporting photographs or Z-axis data which shows this depth. This was not provided for the actual test. Please confirm that the liquid depth was at least 15 cm.

Ans:

The test lab. of SAR report , ADT, has confirmed that liquid depth was 15cm. The photo of liquid depth is attached.

Please refer to SAR LIQUID LEVEL.jpg (exhibit type: Setup photo)

9) Please explain if the device was placed into a 100% Continuous TX mode of operation during this test.

Ans:

The test lab. of SAR report , ADT, has confirmed that the device was set into 100% continuous Tx mode during the SAR test. The 100% Tx mode was set using the test software from mini-PCI module manufacturer.

10) Please provide information regarding the holders used to position the laptop.

Ans:

The holder is constructed from the polyethylene foam. It is under the laptop PC during the SAR test and could support the DUT at fixed test position.

11) The users manual for the Wireless LAN mentions that the device should be positioned at least 20 cm from the users. Since this is considered as a portable device, this distance is not valid. Please remove these references.

Ans:

We have revised the page as attached. Please refer to USERS Manual WireLAN Page 3.pdf (exhibit type: User Manual)

12)Additional: "Please provide an updated SAR uncertainty table as appropriate. Please use P1528 template"

Ans:

Regarding the SAR uncertainty table using P1528 template, the test lab. of SAR report , ADT, has confirmed that the SAR report of PU5MS2119 comply with this requirement.

Due to the tight schedule of this project, please issue the FCC Grant of this device at your earliest convenience.

If you need any additional information, please inform us through mail ASAP.

Thanks

Daphne Liu
International Standards laboratory