



Elliott Laboratories Inc.
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November 1, 2005

ATCB
6731 Whittier Ave
Suite C110
McLean, Va. 22101

Dear Application Examiner:

Modular approval for the device is being requested.

The device meets the eight requirements outlined in FCC Public Notice DA 00-1407 Released: June 26, 2000.

The MINI PCI will be sold to the Public Safety organization. The OEM integrators will be responsible for installation and following the RF exposure conditions stated in the manual or regulatory document.

Proper installation instructions are provided to the OEM integrator, so that they are fully aware of all conditions, with the MINI PCI card. The OEM integrator will be provided with specific instructions about the RF exposure, such as not using a different antenna and unauthorized changes to the MINI PCI card is not allowed.

- 1) The modular transmitter must have its own RF shielding.
The EUT contains its own RF shielding, but was tested inside an enclosure to be in compliance. Limited modular approval is requested for this requirement.

- 2) The modular transmitter must have buffered modulation/data inputs.
EUT has buffered data inputs to insure compliance with Part 15 requirements under conditions of excessive data rates or over-modulation. Please refer to the schematics and the Theory of Operation (Page 8).

- 3) The modular transmitter must have its own power supply regulation.
The EUT has its own power supply regulation to insure compliance with Part 15 requirements regardless of the quality or level of external DC supplying the module from the host unit. Refer to Schematics (Page 3 of 6)

- 4) The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).
This is a license module and for purpose of compliance, the MPC1 will be installed on the inside a final product. The final product will be professionally installed and will only be sold to the Public Safety Organizations and not to end-users.

- 5) The modular transmitter must be tested in a stand-alone configuration.
The EUT was tested outside a system host.

- 6) The modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.
The devices containing the module will be labeled with the FCC ID of the module.

- 7) The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.
The operating limitations are fully understood by their engineering division and instructions will be provided to the OEM integrator.

- 8) The modular transmitter must comply with any applicable RF exposure requirements.
The MPE calculation shows that the device meets the RF exposure requirements provided that a separation of at least 20cm is maintained between the EUT and people in its vicinity. The installation and user manuals for products containing this module will all reference this requirement.



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9) The final device is designed for mobile or fixed operation (Portable is not permitted – Reference TCB Exclusion List (17 July 2002) II(g)).

The final device will be used for mobile or fixed operation as detailed in the manual

10) The maximum antenna gain to allow compliance with RF exposure requirements is listed on the Grant of Certification for the module

Maximum antenna gain info and specifications have been uploaded into the RF exposure exhibit for review and record.

11) The licensed module must have a FCC ID label on the module itself. That FCC ID label must be visible through a window on the final device or it must be visible when an access panel, door or cover is easily removed. If not, a second label must be placed on the outside of the final device that contains the following text: "Contains FCC ID: xxxyyyzzz"

Refer to #6

If there are any questions or if further information is needed, please contact Elliott Laboratories for assistance.

Sincerely,

Juan Martinez
Senior EMC Engineer

JM/dmg