



Elliott Laboratories Inc.  
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April 27, 2007

ElliottTCB  
684 West Maude Avenue  
Sunnyvale, CA 94086-3518

Dear Application Examiner:

Limited Modular Approval for the device is being requested.

The module requirements are outlined in FCC Public Notice DA 00-147 Released: June 26, 2000.

Meshdynamics will be using these modules in their internal products only and will not be sold to other vendors. The final product will be professionally installed. The modules were tested inside the host enclosure. The client wishes the EUT to be certified as a Limited Modular Approval. The following pages will outline the requirements for a modular and describe how each one is met.

1) The modular transmitter must have its own RF shielding. This is intended to ensure that the module does not have to rely upon the shielding provided by the device into which it is installed in order for all modular transmitter emissions to comply with Part 15 limits. It is also intended to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Such coupling may result in non-compliant operation.

**The EUT contains its own RF shielding (Refer to External Photos of the device).**

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.**

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.**

4) The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).

**The MPC1 will be installed on the inside of the host. The antenna(s) are professionally installed.**

5) The modular transmitter must be tested in a stand-alone configuration.

**The EUT was tested inside the host enclosure and complied with the FCC limits. Limited Modular Approval is requested for this requirement.**

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.**



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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 22.8cm 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.**

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

Sincerely,

A handwritten signature in black ink that reads 'Juan Martinez'.

Juan Martinez  
Senior EMC Engineer

JM/dmg