

February 3, 2010

Dear Application Engineer:

The product to be approved under FCC ID: NMRTR41 for FCC authorization is to be for a modular approval. The requirements of FCC 15.212 are met.

The following requirements are fulfilled:

1. The modular transmitter must have its own RF shielding.

The module contains a metal shield over the transmitter section to ensure that it does not have to rely upon shielding provided by the device into which it is installed and to prevent coupling into which the device will be installed.

2. The modular transmitter must have buffered modulation/data inputs.

Data to the modulation circuit passes through buffers and a microprocessor before being applied to the RF modem IC. Refer to "Theory of Operation", TR41 Transceiver Block Diagram.

3. The modular transmitter must have its own power supply regulation

All of the circuitry is powered by 3.3V regulator. The range of allowable input voltage is 4.0 – 10VDC, 5.0V nominal.

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

The module is configured either with a reverse-polarized SMA connector or a Hirose U.FL receptacle. These types of connectors comply with the requirements of sections 15.203 and 15.204(c).

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

The EUT was tested with the support equipment being at least 10 centimeters away, which meets the minimum separation distance required for the EUT per 15.212 (1)(v).

6. The modular transmitter must be labeled with its own FCC ID number

The module will be labeled with its own FCC ID number. When the EUT is installed inside one of our end products the label will not be visible.

The end product will then contain the following label below permanently attached in a conspicuous location:

Contains Transmitter Module
FCC ID: NMTR41

6. 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.

The EUT is compliant with all applicable FCC rules. Detailed instructions are given in the Users Guide. Please note that this RF module will only be used for in-house production only and not provided to any outside parties for other use.

7. The modular transmitter must comply with any applicable RF exposure requirements.

The EUT meets the RF exposure requirements because the EUT is a mobile unit (will be at least 20 centimeters away from the user) and the MPE is $0.0667249384 \text{ mW/cm}^2$ at 20 centimeters which is below the limit of 1 mW/cm^2 allowed for the general population.

Please contact me at **310-453-1852** if you have any additional questions.

Best Regards,

**Howard Preston
President
Preston Cinema Systems**

