

## **PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL**

FCC ID: N9Y0086

Product Name: Part 15.247 DSSS/ Part 95 WMTS module

Applicant: Cleveland Medical Devices, Inc.

To whom it may concern,

This letter describes how the above referenced device meets the requirements of :PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL DA 00-1407.

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

Yes. The module has its own RF shielding.

2. The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.

Yes. The module has buffered I/O lines.

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

Yes. The module has onboard regulators.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c). The antenna must either be permanently attached or employ a “unique” antenna coupler (at all connections between the module and the antenna, including the cable). Any antenna used with the module must be approved with the module, either at the time of initial authorization or through a Class II permissive change. The “professional installation” provision of Section 15.203 may not be applied to modules.

Yes. The module employs a Hirose U.FL connector which is unique.

5. The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing.

Yes. The module was tested inside the open plastic enclosure of the patient unit. The plastic enclosure has no RF inhibiting properties. For intended purposes of verifying the RF emissions of the module the data should be the same as without the case.

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.

Yes. The module and the product labels are included as a separate exhibit.

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.

Yes. The manufacturer of the module does not sell modules to other manufacturers. The end users manual meets these requirements.

8. The modular transmitter must comply with any applicable RF exposure requirements. For example, FCC Rules in Sections 2.1091, 2.1093 and specific.

Yes. The output power of both the WMTS and 15.247 transceiver are under 5 mWatts.