

FCC ID:

IC:

Océ Display Graphics Systems
13231 Delf Place
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December 11, 2007

Request for Modular Approval Attestation for the Océ Display Graphics Systems # 3010105668 RFID module.

Per the FCC Public Notice DA-00-1407 for Part 15 Unlicensed Modular Transmitter approval the following information is provided:

- 1) "The modular transmitter must have it's own shield." **There are four shields present on the PCB, each covering a section of ODGS RFID.** Only the RF Antenna from the RF section of the module is exposed outside the shielding.
- 2) "The modular transmitter must have buffered modulation/data inputs". **Input signal buffered by the Xilinx XC2C64A CoolRunner-II CPLD.** The controlling device cannot cause an over-modulated condition.
- 3) "The modular transmitter must have it's own power supply regulation." **ODGS RFID has it's own power supply regulation via linear regulators U12 and U13.**
- 4) "The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c)." **The device consists of a Xilinx XC2C64A CoolRunner-II CPLD, a CLRC63201TD Phillips Contactless Reader, 15V and 5V linear regulators , SPI Interface, and one RF section. RF section is composed of an RFID driver, antennae multiplexer, and 13.56 MHz clock oscillator, with impedance-matching networks and RFID interrogator 4-turn coil antenna. The CPLD multiplexes each RF section as commanded by the host system on the SPI. Grounding is provided by on-board ground planes and an internal ground layers.**
- 5) "The modular transmitter must be tested in a stand-alone configuration, i.e., must not be inside another device during testing." The **ODGS RFID 3010105668** was tested as a standalone device, not inside any other equipment
- 6) "The modular transmitter must be labeled with it's own FCC ID number..." The MC13192U provides it's own FCC ID label on the "**describe location**" Detailed installation instructions are provided in the user manual for 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..." The **ODGS RFID OIN #3010105668** user manual explains the requirements for operating the **ODGS RFID OIN #3010105668** module in compliance with the FCC rules and registration.
- 8) "The modular transmitter must comply with any applicable RF exposure requirements." The **ODGS RFID OIN #3010105668** user manual explains in the RF exposure hazard associated with use of the module and preventive measures.

Sincerely

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