

## REQUIREMENTS FOR A MODULAR APPROVAL

Documentation must be provided to the FCC or TCB for each of these requirements listed. Documentation should be in the form of engineering drawings, schematics, photographs, and sample warning statements; these must accompany the submission. The submission cover letter must specifically request Modular approval under FCC DA 00-1407 **Released: June 26, 2000.** All of the antennas that will be approved with the product must be included in the submission, with special attention to the highest gain of each type of antenna. The modular approval exhibits are in addition to the normal 13 exhibits included in an FCC intentional radiator submission under Part 15.

### **Exhibits required for Modular Approval**

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

**Provided – see file MR100A Shield**

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

**Provided - Incoming data to this module are buffered by U2 and U7. See schematic drawing ‘UHF RFID Class 0 Reader’ sheet 4 sections B1 and B2.**

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

**Provided - Power supply regulation and filtering are provided, U11 U12 U13 and U14 are the regulators with EMI filtering on main input voltage supply L2, L3 and L4. See schematic drawing ‘UHF RFID Class 0 Reader’ sheet 5.**

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.

**The antenna connects to the module via J4 as shown in schematic drawing ‘UHF RFID Class 0 Reader’ sheet 3, section D1. The antenna connections to the module will be internal to the products utilizing the module and will therefore be non-user accessible. Additionally, the antenna connector is a unique U.FL type connector.**

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

**Confirmed, see FCC Test Report (MR100A Test Report).**

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

**Confirmed, see Label Drawing (MR100A Label Location).**

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

**Confirmed, see ‘MR100A User Manual’ Appendix C.**

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

**Confirmed – see report (MR100 RF Exposure Info).**