

## Request for RM-1 Modular Transmitter Approval

Date 3-2-2009

Request for Modular Transmitter Approval

In accordance with FCC Public Notice DA 00-1407, June 26, 2000

Ring Engineering Inc. requests Modular Transmitter approval for the RM-1 module. This document addresses the requirements below.

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

The module has a metal RF shield to ensure that it does not have to rely upon shielding provided by the device into which it is installed in order for all modular transmitter emissions to comply with Part 15 limits.

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

Data inputs to the module are buffered by a serial peripheral interface (SPI) bus circuitry.

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

The module's IC has an internal voltage regulator that supplies the power amplifier.

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

The antenna is permanently attached to the module.

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

The module was tested in a stand-alone configuration.

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

The FCC ID number is printed on the module. For the module to be useful it needs to be installed in a host device. The manual provides the proper information on how the host device of the module must be labeled to meet FCC requirements.

**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.**

The module is compliant with all applicable FCC rules. Detailed instructions are give in the User Manual.

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

The modules internal antenna, voltage regulation, and built in modulation electronics fix the exposure limits to operate within 15.249 rules.

A handwritten signature in black ink that reads 'Tim Ring'.

Timothy W. Ring  
President and CTO  
Ring Engineering Inc.