

6/22/2006

Re: Modular transmitter approval application statement

This letter describes the qualification of AWID's the Sentinel-Sense RFID Reader Module, with FCC ID: OGSM32EA, model MPR-1510R3.2E, for modular transmitter approval based on guidelines in FCC Publication DA 00-1407.

1. The **MPR-1510R3.2E** is housed in stamped sheet metal can, which has continuous contacts between the top and bottom cans. After the top and bottom cans are mated together, the cans are further sealed with solders along the mating seam.
2. The MPR-1510R3.2E has buffered data inputs, but not modulation inputs.
3. The **MPR-1510R3.2E** has two internal Buck DC/DC converters, which convert the input DC voltage to 5 VDC and an adjustable programmable DC. The fixed 5 VDC is used to power the logic circuit and the base band signal processor, and the programmed DC/DC converter is used to provide a variable voltage to the RF power amplifier, which controls the output power.
4. The MPR-1510R3.2E is supplied with patch antennas having maximum gain of 10dBi. In compliance with the antenna requirement of Section 15.203 and 15.204(c), the antennas are attached to the reader module with MMCX/male TNC connector and female TNC cable. An antenna with 10dBi gain is provided for initial certification. Other antennas that will be used with the module in the future will go through a Class II permissive change.
5. The MPR-1510R3.2E was tested in a stand-alone configuration, not inside another device.
6. The MPR-1510R3.2E will have its own FCC ID label. When the modular transmitter is installed into another device and the FCC ID is blocked for viewing, then a label will be place outside the installed device referring the modular transmitter FCC ID. This exterior label will use wording such as the following: "Contains Transmitter Module FCC ID: OGSM32EA" or "This Device Contains FCC ID: OGSM32EA"
7. The MPR-1510R3.2E complies with the specific rules and operating requirements applicable to the transmitter. AWID provides detailed instructions along with module to explain any such requirements. A copy of these instructions is included in the application for equipment authorization.
8. The MPR-1510R3.2 complies with the applicable RF exposure requirements. An MPE calculation is provided.

Yours truly,



George Lu
VP of Operations and Services