



159 Ort Lane
Merlin, OR, US 97532
Phone: +1 541 471 6256
Fax: +1 541 471 6251
www.linxtechnologies.com

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CETCB
114 Olinda Drive
Brea, CA 92823

Regarding FCC ID: OJM-HUMA-900, IC: 5840A-HUMA900

Dear Application Examiner,

The Linx Technologies module Models: HUM-A-900-PRO-CAS and HUM-A-900-PRO-UFL (FCC ID: OJM-HUMA-900) are seeking FCC authorization as a modular transmitter. The requirements of FCC 15.212 are met. The following requirements are fulfilled:

1. The modular transmitter must have its own RF shielding

All electronics, including the radio portion of the module is contained in its own RF shielding. See the external photos.

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

There is a microprocessor on the board that collects the information from the digital data collection module and sends this stream to the RF transmitter.

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

The board used in this module includes its own regulator on the main processor for regulating the power to the transmitter so regulation is not a problem.

4. The modular transmitter must comply with the antenna requirements of Section 15.203

The antenna connector for model HUM-A-900-PRO-CAS is a PCB Castellation that connects through a microstrip on the host board to either a reverse polarity SMA connector which is considered a "non-standard" antenna connector or directly to a chip antenna on the host board. The antenna connector for model HUM-A-900-PRO-UFL is an onboard U.FL connector which is considered a "non-standard" antenna connector.

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

The EUT was tested in a stand-alone configuration. The controller board that it is connected to is for collection of data only.

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

The EUT will be labeled with its own FCC ID number. If the module is installed inside of an end-product, the label will not be visible. In this case the OEM customer will be instructed to how to apply the exterior label.

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 EUT is compliant with all applicable FCC rules. Detailed instructions are given in the User's Data Guide.

8. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.
Instructions are given in the installation manual for compliance to the RF exposure requirements.

If you have any further questions please feel free to give me a call at (541) 472-6256

Sincerely,

Cristin Dziekonski
Director of Embedded Engineering