



October 6, 2017

Request for a limited modular approval

Dear Application Examiner,

The Ibis Networks module Model: "IE-300" is seeking FCC authorization as a limited 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

The radio portion of the module does not contain shielding. However, the radio was tested in each of its host devices to show compliance.

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 3.3 volt 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 is a surface mount chip type with a peak gain of 2.0dBi (2450AT43A100).

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

The EUT was tested inside the IM-301 and IM-303 hosts.

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

The EUT will be labeled with its own FCC ID number (2AECN300). 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 Users 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.

Note: Unit does not have its own RF shielding, therefore not meeting full modular requirements and hence a limited modular approval is being requested. The EUT has been tested in two different host configurations. These configurations are the only devices the EUT will be installed into. Ibis Networks will have complete control of the modules.

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