

Modular Approval Requirements

Modular Approval is being requested for this device. There are eight requirements that the device must meet for full modular approval. The following paragraphs detail these requirements and the manner in which the device meets them.

The module meets all of the technical specifications applicable to the frequency band of operation.

The module has its own RF shielding.

Device is equipped with Metal shielding to cover RF section. Refer to external photos.

All modulation and data input(s) are buffered.

All input to the modules are buffered through logic or microprocessor inputs.

The module has its own power supply regulation and local reference oscillator.

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The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c). The certification submission contains a detailed description of the configuration of all antennas that will be used with the module.

Device is using for Printed Antenna, so there are no any connector in the device. Refer to external photos.

For Industry Canada, the module meets certification labeling requirements. Host devices that contain separately certified modules do not need to be re-certified, provided that they meet the following conditions:

- The host device, as a stand alone unit without any separately certified modules, complies with all applicable Radio Standards Specifications.
- The host device and all the separately certified modules it contains jointly meet the safety requirements of RSS-102, if applicable.
- The host device complies with the certification labeling requirements of each of the modules it contains.

The module is appropriately labeled (refer to the label and label location drawings contained within this application).

For the FCC, the modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing. This is intended to demonstrate that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in Section 15.207.

EUT was tested in a stand alone configuration via an extender card. Please see section photographs of test configuration in the test report, the EUT was plugged in this extender card.

For the FCC, the modular transmitter must be labeled with its own FCC ID number, and, if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: XYZMODEL1" or "Contains FCC ID: XYZMODEL1."

Two proposed FCC ID label format are included in the filing. One label is to be placed on the module and the other label is to be placed on the outside of system. Refer to FCC ID label format and location file.

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

Transmitter meets MPE calculations of 47 CFR 1.1307(b)(1). Refer to MPE sections of test reports.

Signature 

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