

## MODULAR APPROVAL LETTER - FCC

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Dec. 16, 2014

Dear Application Examiner:

Murata Manufacturing Co., Ltd., 1CD, VPYLB1CDIMP003 is seeking modular approval. The radio meets the requirements for modular approval as detailed in FCC 15.212. Compliance to each of the requirements is described below:

1. **“The modular transmitter must have its own RF shielding.”** The whole module is contained in its own RF shielding. The shielding is installed at the factory. Please see the Internal Photos exhibit.
2. **“The modular transmitter must have buffered modulation/data inputs.”** The EUT has buffered data inputs to insure compliance with Part 15 requirements under conditions of excessive data rates or over-modulation. Please see the Schematics exhibit.
3. **“The modular transmitter must have its own power supply regulation.”** This module has a voltage regulated power supply as well as closed-loop RF output power regulation but will not be directly sold to or used by consumers, therefore the end product which incorporates this module will require voltage power supply regulation. Please see the Block Diagram exhibit.
4. **“The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).”** The EUT cannot be tested stand-alone as it does not have a built-in antenna, the EUT is tested on a PCBA with antenna which meets the FCC antenna requirements. Please see Antenna information exhibit.
5. **“The modular transmitter must be tested in a stand-alone configuration.”** The EUT was tested in a stand-alone configuration per KDB 9996369 D01 Module Equip Auth Guide v01r04 Q&A #11.
6. **“The modular transmitter must be labeled with its own FCC ID number.”** There isn't enough space on the EUT (10 x 7.9mm) for the FCC ID therefore the FCC ID will be indicated in the user manual as well as the end product the module is incorporated into. Please see the User Manual exhibit.
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. Detail instructions for maintaining compliance are given in the User Manual.
8. **“The modular transmitter must comply with any applicable RF exposure requirements.”** The EUT is compliant with all applicable RF exposure requirements. Please see RF Exposure Exhibit.

Please contact me if you have additional questions. Your attention to this matter is greatly appreciated.

Best regards,

Karun Malhotra/ Director