



January 28, 2019

**ZigBee Module FCC ID : DZO-OSREFRMG1P2**

is seeking FCC Authorization as a  Single Modular transmitter /  Single Limited Modular Approval (please check one). The EUT meets the requirements for a  Single Modular transmitter /  Single Limited Modular Approval (please check one) as detailed in FCC Public Notice DA00-1407. Compliance to each of the requirements is described below:

**Questions are:**

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| <p>1. "The modular transmitter must have its own RF shielding"<br/><input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No<br/>Remarks: This module will NOT be sold to third parties. It will be used only within Osram end products.</p>   |
| <p>2. "The modular transmitter must have buffered modulation / data inputs"<br/><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p>  |
| <p>3. "The modular transmitter must have its own power supply regulation"<br/><input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No<br/>Remarks: Radio IC has internal regulator at Vcc pin to take any input voltage between 1.8V and 3.8V. Hence, end product (host) may require an additional power supply regulation to provide Vcc to the module in this range.</p> |
| <p>4. "The modular transmitter must comply with Antenna requirements of section 15.203 and 15.204(c)"<br/><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p>  |
| <p>5. "The modular transmitter must be tested in stand-alone configuration"<br/><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p>  |
| <p>6. "The modular transmitter must be labeled with its own FCC ID"<br/><input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No<br/>Remarks: The module is very small in size. Hence, per 2.925, module's FCC ID is located in label of the host.</p>  |
| <p>7. <del>"The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacture must provide adequate instruction along with module the module to explain any such requirements"</del><br/><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p>  |
| <p>8. "The modular transmitter must comply with any applicable RF exposure requirements"<br/><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p>   |

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# OSRAM

**Note:**

- (1) Limited Modular Approval (LMA) may be granted when one or more of the requirements in the table above can not be demonstrated. LMA will also be issued in those instances where applications can demonstrate that they will retain control over the final installation of the device, such that compliance of the end product is assured. In such cases, an operating condition of the LMA for the module must state that the module is only approved for use when installed in devices produced by a specific manufacturer. When LMA is sought, the application for equipment certification must specifically state how control of the end product into which the module will be installed, and will be maintained, such that full compliance of the end product is always ensured.
- (2) Host devices which contain separately certified modules do not need to be recertified, provided that they meet the following conditions:
  - i. The host device, as a stand-alone unit without any separately certified modules, complies with all applicable Radio Standard Specifications.
  - ii. The host device and all the separately certified modules it contains jointly meet the RF exposure compliance requirements of RSS-102, if applicable.
  - iii. The host device complies with the certification labeling requirements of each of the modules it contains.

**Note 1:** Compliance of a module in its final configuration is the responsibility of the applicant. A host device will not be considered certified if the instructions regarding antenna configuration provided in the original description, of one or more separately certified modules it contains, were not followed.

**Example:** A separately certified low-power transceiver module using Bluetooth technology which is housed in a desktop computer, laptop or peripheral does not require the overall system to be recertified, if the desktop computer, laptop or peripheral, as a stand-alone unit, complies with all applicable technical standards.

**Clinet's signature**



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Date: January 28, 2019

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**Limited Modular Approval (LMA) Declaration Letter**

We, (OSRAM SYLVANIA Inc.,) declare that we will retain control over the final installation of the device, (FCC ID: DZO-OSREFRMG1P2) such that compliance of the end product is assured. In such cases, an operating condition on the LAM for the module must be only approved for use when installed in devices produced by a specific manufacturer.

**Clinet's signature**

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