
Attn: Reviewing Engineer
Federal communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

January 10, 2014

RE: PART 15 UNLICENSED SINGLE MODULAR TRANSMITTER APPROVAL

To whom It May Concern:

We, Ray Co., Ltd., Hereby requests a Single Modular Approval of our Zigbee Module, described as follows:

Brand name: Ray

Model name: RP-MR500

FCC ID: 2ABBPRPMR500

The requirements of section 15.212 of the FCC rules have been met as indicated in the following statements:

- 1. The modular transmitter must have an own shielding :** The radio portion of this module has been shielded, Please see photographs provided with the application.
- 2. The modular transmitter must have buffered modulation/data inputs. :** The IC (MG2450A) includes TX FIFO and 8KB Data memory on PHY/MAC part inside so the data is buffered and controlled through it.
- 3. The modular transmitter must have its own power supply regulation. :** The IC (**MG2450A**) Contain an own voltage regulation. In case of changes in the supply voltage VCC (for example caused by temperature changes or other effects), the internal voltage will be stabilized.
- 4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c:** This module is equipped with an onboard Blue tooth Chip Antenna. For further details please refer to the antenna data sheet included in the filing.
- 5. The modular transmitter must be tested in a stand-alone configuration:** This module

was tested in a stand-alone configuration.

6. The modular transmitter must be labeled with its own FCC ID number: This module is labeled with its own FCC ID number, Please see product label design and the external photograph of the device with this label submitted with the application.

7. The modular transmitter must comply with any specific rule of operation requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements: This module is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the Users Manual.

8. The modular transmitter must comply with any applicable RF exposure requirements: This module is compliant with all applicable RF exposure requirements. RF Exposure is addressed in the test report.

Sincerely,



Name: Seho Lee

Title: Manager

Company: Ray Co., Ltd.