

## Sun Rise Electronic Factory

Xian Xi Industry District, Chang An Town, Dong Guan City, Guang Dong Province, China

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August 27, 2009

Request for Modular Approval Attestation for the Wireless sensor network node Module

(FCC ID: XONSR806000)

Per the FCC Public Notice DA-00-1407 for Part 15 Unlicensed Modular Transmitter approval the following information is provided:

1) PN DA 00-1407 Page 2 Item 1: "The EUT must have its own RF Shielding"

Answer: The radio portion of this module has been shielded, please see exhibition External Photo.

2) PN DA 00-1407 Page 2 Item 2: The EUT must have buffered modulation/data inputs.

Answer: The EUT has buffered data inputs, it is integrated in chip CC2430.

3) PN DA 00-1407 Page 2 Item 3: The EUT must have its own power supply regulation and VCO built-in.

Answer: The EUT interface provides 5.0VDC, and on board IC U5 have its own VCO inside.

4) PN DA 00-1407 Page 2 Item 4: The antenna must either be permanently attached or employ a "unique" antenna connector. Any antenna used with module must be approved with the module at time of initial authorization. Professional installation provision may not be applied to modules regarding use of any other antenna other than the one authorized at the time of Certification of the module.

Answer: The EUT meets the antenna requirements. It is fix antenna. Refer to the photo of antennas are shown in the test report.

5) PN DA 00-1407 Page 2 Item 4: Any antenna used with the module must be approved with the module. (The "professional installation" provision (15.203) may not be applied to modules)

Answer: The EUT's fixed antenna and the board are approved together.

6) PN DA 00-1407 Page 2 Item: The modular transmitter must be tested in a stand-alone configuration. i.e., the module must not be inside another device during testing.

Answer: The EUT is tested in a stand alone configuration via a extender. Please see the photo of test setup photo of the report.

7) PN DA 00-1407 Page 2 Item: Unless the module is battery powered, it must comply with the AC line conducted requirements found in Section 15.207.

Answer: It is USB Powered.

8) PN DA 00-1407 Page 2 Item: AC, DC, and data input/output lines must not contain ferrites, unless they will be marketed with the module.

Answer: There is no ferrites on the EUT and during the testing.

9) PN DA 00-1407 Page 2 Item: The module must have its own FCC ID and if not visible when installed inside another device, the outside device must

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display a label referring to the enclosed module. In this case, a copy of the instructions must be included in the application for equipment authorization.

Answer: The EUT has it's own FCC ID and the label is visible.

10) PN DA 00-1407 Page 2 Item: The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and must provide ADEQUATE instructions along with the module to explain any such requirements.

Answer: The EUT is comply with all applicable FCC Rules. Warning detail refer to the user manual.

11) PN DA 00-1407 Page 2 Item: The module must comply with RF exposure requirements. See FCC Rules. Spread Spectrum transmitters must comply with RF exposure limits in 15.247.

Answer: The EUT is comply with all applicable RF exposure requirements. See FCC caution of the user manual.

12) PN DA 00-1407 Page 2 Item: When approved, the grant of equipment authorization for the transmitter module MUST have the word "module" or "modular" added to the Remarks section of the grant.

Answer: Yes, we accepted.

Sincerely,

Sun Rise Electronic Factory



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(Owen Lu)  
(Engineer)