

Request for Modular Approval Attestation for the 2.4GHz Zigbee Module

(FCC ID: WMUHAC-UBEEV3X)

Per the FCC Public Notice DA-00-1407 for the Part15 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 EUT has been shielded, Please see exhibition External Photos](#)

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 CC2530F256](#)

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 1.8VDC, and on board IC CC2530F256 has its own VCO inside.](#)

4. PN DA-00-1407 Page 2 Item 4: The antenna must either be permanently attached or employ or employ a “unique” antenna connector. Any antenna used with module must be approved with the module at the 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 PCB antenna and helical antenna with SMA connector. Refer to the photo shown in 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 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 test setup photo](#)

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: The conducted emissions are done. Please see page 10 and 11 of test report.](#)

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

[Answer: There is no ferrite on the EUT and during the testing.](#)

9. PN DA-00-1407 Page 2 Item: The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number

[Answer: The EUT has own FCC ID label.](#)