

# Modular Approval Declaration Letter

| Reason for Amendment (current / obsolete) | Revision History |     | Approved Date |
|---|------------------|-----|---------------|
|   | From             | To  |               |
| Initial Release (Obsolete)                | 1.0              | 1.0 | Dec-04-2006   |
| Added IC Modular Letter (Obsolete)        | 1.0              | 2.0 | Feb 16 2009   |
| Add LMA and MA option (Obsolete)          | 2.0              | 3.0 | April 14 2010 |
| Revised per RSS Gen issue 3.0             | 3.0              | 4.0 | Jan 12 2011   |
|   |                  |     |               |
|   |                  |     |               |

03/11/2011

**AwiaTech WirelessHART Hardware Module FCC ID : ZCO-220**

is seeking FCC Authorization as a ☐ *Single Modular transmitter* / ☒ *Single Limited Modular Approval* (Please check one).  
The EUT meets the requirements for ☐ *Single Modular approval* / ☒ *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:

1. "The modular transmitter must have its own RF shielding."  
☐ Yes / ☒ No
2. "The modular transmitter must have buffered modulation/data inputs."  
☒ Yes / ☐ No
3. "The modular transmitter must have its own power supply regulation."  
☒ Yes / ☐ No
4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(c)."  
☒ Yes / ☐ No
5. "The modular transmitter must be tested in a stand-alone configuration."  
☒ Yes / ☐ No
6. "The modular transmitter must be labeled with its own FCC ID number."  
☒ Yes / ☐ No
7. "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 the module to explain any such requirements."  
☒ Yes / ☐ No
8. "The modular transmitter must comply with any applicable RF exposure requirements."  
☒ Yes / ☐ No

Note:

- (1) LMA may be granted when one or more of the requirements in the table above cannot be demonstrated.  
LMA will also be issued in those instances where applicants 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 on 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 Standards 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.

Client's signature:



Client's name / title: **Xiang Feng / CEO**

Contact information / address:

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(Company letter head)

(Date) mm/dd/yy

(Product name) IC ID : \_\_\_\_\_,

is seeking IC Authorization as a ☐ **modular transmitter** / ☐ **Limited Modular Transmitter** (Please check one).  
The EUT meets the requirements for ☐ **modular approval** / ☐ **Limited Modular Approval** (Please check one)  
as detailed in RSS GEN. Compliance to each of the requirements is described below:

**\* Please provide a detailed explanation if the answer is "No."**

- a. The radio elements must have the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.  
☐ Yes / ☐ No
- b. The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable RSS standard under conditions of excessive data rates or over-modulation.  
☐ Yes / ☐ No
- c. The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module  
☐ Yes / ☐ No
- d. The module shall comply with the provisions for external power amplifiers and antennas detailed in this standard. The equipment certification submission shall contain a detailed description of the configuration of all antennas that will be used with the module.  
☐ Yes / ☐ No
- e. The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing  
☐ Yes / ☐ No
- f. The module shall comply with the Category I equipment labelling requirements.  
☐ Yes / ☐ No
- g. The module shall comply with applicable RSS-102 exposure requirements, which are based on the intended use/configurations.  
☐ Yes / ☐ No
- h. (h) Is the modular device for an Industry Canada licensed exempt service?  
☐ Yes / ☐ No

Note:

- (3) LMA may be granted when one or more of the requirements in the table above cannot be demonstrated.  
LMA will also be issued in those instances where applicants 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 on 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.
- (4) Host devices which contain separately certified modules do not need to be recertified, provided that they meet the following conditions:
  - (iv) The host device, as a stand-alone unit without any separately certified modules, complies with all applicable Radio Standards Specifications.
  - (v) The host device and all the separately certified modules it contains jointly meet the RF exposure compliance requirements of RSS-102, if applicable.
  - (vi) 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.

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