

## Request for Modular Approval

Date: Aug. 11, 2014

FCC ID: 2ACR30015

In accordance with FCC Part 15, we hereby request a Modular Approval as specified in FCC document DA00-1407 for the 2.4GHz module identified with FCC ID: 2ACR30115. This module is not intended for sale except as integrated into an LED Roadway Ltd. end product. Compliance to each of the requirements is described below:

- 1. "The modular transmitter must have its own RF shielding"**  
The module has an RF shield. The shield is factory installed.
- 2. "The modular transmitter must have buffered modulation/data inputs."**  
The module has its own buffered data inputs.
- 3. "The modular transmitter must have its own power supply regulation."**  
The module has its own power supply regulation; it is integrated in the IC STM32W108.
- 4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(c)."**  
The module meets the FCC antenna requirements; the external antenna has been tested with the module and the model specified in the module datasheet and reports (see reports.)
- 5. "The modular transmitter must be tested in a stand-alone configuration."**  
The module was tested in a stand-alone configuration. It was placed on a support called a "USB dongle". On this "dongle" only level shifters for translating module signals to USB level are present making possible connection to a PC USB port. Power supply was taken from USB port. (See setup from test report.)
- 6. "The modular transmitter must be labeled with its own FCC ID number."**  
The module is labeled with FCC ID: 2ACR30115. Proper information for labeling has been reported in the user manual.
- 7. "The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instruction along with the module to explain any such requirements."**  
The module is compliant with all the applicable FCC rules. Instructions for application are provided to the user.
- 8. "The module transmitter must comply with any applicable RF exposure requirements."**  
The module meets the requirements of FCC section 15.249 (see test reports.)

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