INSIGMA INC.
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To: SGS North America Inc.
620 Old Peachtree Road
SUITE 100
Suwanee, Georgia
United States

January 19th 2017

Dear Sir/Madam,

Re: Request for FCC module certification FCC ID: 2AKR8BTIN00

We hereby request a "Modular" certification for the FCC ID referenced above.
The device meets the requirements indicated in section 15.212 and shown on following statements.

1. The device of the modular transmitter must have its own RF shielding.
   - The radio portion of the module is contained in its own RF shielding installed at the factory. Please refer to external photo.
2. The device has buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;
   - The Buffer is integrated with IC nRF52832
3. The device has power supply regulation on the module;
   - The part number of regulator is nRF52832
4. The device has a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);
   - The Antenna is a printed circuit board trace antenna. The antenna is part of each module. Please refer to external photo.
5. The device has demonstrated compliance in a stand-alone configuration;
   - The modular is tested in a stand-alone configuration via an extender. Please refer to test setup photo.
6. The device will be labeled with its permanently affixed FCC ID label, or use an electronic display.
   - The module is labeled with it's own FCC ID. The user manual contains labeling instructions for the final end product into which this RF module will be integrated.

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7. The device does comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee;
   - The module is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in User Manual.
8. The device does comply with RF exposure requirements.
   - Maximum output power of this module is 4dBm = 2.5119mW < 10mW (SAR Test Exclusion Thresholds). The modular complies with the requirement.

Sincerely,

K S Bakshi

Karan Bakshi / COO
(571) 325-6893 /43490, Yukon Drive Suite 102, Ashburn, Virginia, United States

INSIGMA INC.