2020-12-11

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

Dear Sir/Madam,

Re: Request for FCC module certification
FCC ID: 2APJ4-SLM500

We hereby request a Modular certification for the FCC ID referenced above. The device meets the requirements below.

- The module has metal case covering top and sides as its own RF shielding. The shielding at bottom is implemented by the GND copper plane in PCB substrate.
  Yes. Radio frequency circuitry is shielded. Please see External Photo.
- The module has buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal;
  Yes.SLM500 module uses the Qualcomm solution based on arm cotex-A53 four core processor.The 32-bit processor and an 8 Mb flash which is capable for most of control-type IoT application.The main control chip is QCM2150.
- The module has power supply regulation on the module;
  Yes.It is a DC step down converter. The input voltage to the can be in the range DC3.5~4.2V Outputs from the convertor provides 3. 3and1.8V which is required by theQCM2150 chip.
- The module has demonstrated compliance in a stand-alone configuration;
  Yes. Please see test report.
- The module 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);
  Yes. The antenna is Dipole_antenna. Please see internal photo
- The module will be labeled with its permanently affixed FCC ID label.
  The label position of module is clearly indicated.
  Yes. Please see the Lable & Location.
- The module does comply with all specific rules applicable to the transmitter including all the
- conditions provided in the integration instructions by the grantee;
- Yes. The module is compliant with all applicable FCC rules. Detail instructions are given in the *User Manual*
- The module does comply with RF exposure requirements.
  Yes. The modular comply with applicable RF exposure requirements. Please see *MPE Report*.

Sincerely,

Name: Xinwei Lou

Signature: Xinwei Lou

Title: HW test Leader

Company: MeiG Smart Technology Co., Ltd

Telephone: 021-54278676

FCC Modular definitions, From FCC KDB 996369 D01 Module Equip Auth Guide v01r04

A. Single-modular transmitter is a self-contained, physically delineated, component for which compliance can be demonstrated independent of the host operating conditions, and which complies with all eight requirements of Section 15.212(a)(1) as summarized below. See Section 15.212 for more detailed information, and Section 2.901 (and sub-sections that follow) for general certification requirements.

B. Limited single-modular transmitter is a transmitter that does not meet all eight requirements listed in Section 15.212(a) (1), and compliance can be demonstrated only for specific host and applicable operating conditions in which the transmitter will be used. For example, manufacturers have flexibility with respect to requirements such as module shielding, buffered modulation/data inputs and power supply regulation. If one or more of these functions (shielding, buffered modulation/data inputs and power supply regulation) are provided by a specific host or hosts, then the module can be granted as a limited module that is limited to that specific host or hosts. The responsible party must demonstrate how it will retain control over the final installation of the device, such that compliance of the product is ensured by limiting the installation to a specific host or hosts, for example.