



11 November 2020

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: 2AQX3-WG

We hereby request a ☐ Full / ☒ Limited Modular certification for the FCC ID referenced above.

Requirement (47CFR15.212 / KDB996369)	Comply (Y/N) – Explanation
1. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	No, Radio uses multiple internal ground planes to suppress radiated spurious emissions
2. The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	Complies
3. The module must contain power supply regulation on the module	Complies
4. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	Complies
5. The module must demonstrate compliance in a stand-alone configuration	Complies
6. The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748);	No. The module is only used by Air Innovations and will not be sold. All hosts will be properly labeled.
7. The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee	Complies

8. The module must comply with RF exposure requirements	Complies
---	----------

Sincerely,

 Scott Toukatly
 Director of Engineering
SToukatly@airinnovations.com

Phone: +1 315-452-7483
 Toll Free: +1 800-825-3268

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.