



GE Lighting

1975 Noble Road
Cleveland, OH 44112, U. S.A

February 22, 2019

To: SGS North America Inc.
620 Old Peachtree Road, SUITE 100
Suwanee, Georgia 30024, USA

Dear Sir/Madam,

Re: Request for FCC module certification
FCC ID: PUU80MCCZ2P15

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	N – Shielding will be provided by the housing of the host
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	Y – The module contains the EFR32MG12P332F1024GM48 system on a chip which includes a radio buffer for both RX and TX
3. The module must contain power supply regulation on the module	Y – The module contains a voltage regulator with reference designator VR1
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)	Y – The module contains a U.FL antenna connector which will only be used to connect to the following antennas <ul style="list-style-type: none"> • Pulse Larsen W3357 • Walsin RFPCA430618IMAB301 DUT is professionally installed.
5. The module must demonstrate compliance in a stand-alone configuration	N – The module can demonstrate compliance in a stand-alone configuration with the exception of the shielding requirement which will be provided by the host
6. The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748);	Y – The module will be labeled with its permanently affixed FCC ID label
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	Y – The module complies with all specific rules applicable to the transmitter
8. The module must comply with RF exposure requirements	Y – The module complies with RF exposure requirements

Sincerely,

Aaron S. Froehlich, EMC Test Engineer, SGS North America
770.570.1800
Aaron.Froehlich@sgs.com
Authorized Agent for:
GE Lighting
1975 Noble Rd, Bldg 335
East Cleveland, OH 44112

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 subsections 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.