

NANOGRID LIMITED

Modular Transmitter Approval Request

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Company name: Nanoleaf Esseentials Module
FCC ID: 2AEWY-NL01A

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v01r04'. **FCC ID: 2AEWY-NL01A** has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v01r04'	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
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	Yes The radio portion of the module has been shielded, Refer to the external photos.
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	Yes The module has buffered modulation/data inputs. Refer to the Schematic diagram.
The module must contain power supply regulation on the module	Yes This module is equipped internal power regulators. Refer to the Schematic diagram.
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 Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	Yes This module is equipped with an PCB Antenna. Refer to the internal photo
The module must demonstrate compliance in a stand-alone configuration	Yes This module was tested in a stand-alone configuration. Refer to the test setup photos
The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	Yes The module has its permanently affixed FCC ID label and the FCC ID label is shield cover. Refer to the FCC ID Label Location.
The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee	Yes The module complies with all specific rules applicable to the transmitter.
The module must comply with RF exposure requirements	Yes .The Module belong to Part 15 Low Power Communication Device Transmitter

Date: Feb. 26, 2021

Name: Christian Yan

Title: COO

Signature of applicant:

