

26 March 2019

FCC Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

Subject: Class II Permissive Change for FCC ID: 2ANU9HAVENA

To Whom It May Concern:

Clad Innovation Ltd. would like to request a Class II permissive change for the authorized equipment for the following changes:

- Main antenna is different. The antenna is the same type, lower gain.
- The approved antenna is the Ex-IT 2400 MHF 70-001 with a gain of +3.0 dBi. It is a vertically polarized antenna terminated with a U.FL. connector.
- The new antenna is the RFA-02-L2H1 with a gain of +2.0 dBi. It is a vertically polarized antenna terminated with a U.FL. connector.
- The module is integrated into a host, the Haven device.
- The brand name is "TZOA" and the model number is "HAVEN A"

Except for the change above, no other modification has occurred. Also, the change does not have any impact on the approved radio parameters such as power, frequency, modulation, etc.

- This product is a TZOA Air Quality Sensor and is used to measure and monitor the particulate matter in the air in heating and air conditioning systems.
- This product uses the WiFi module NINA-W101 FCC ID:2ANU9HAVENA.
- This product uses Bluetooth capabilities of the module for provisioning of the device. The product does not use both radios concurrently in normal operation.
- This product is using an antenna of the same type but lower gain than the one certified in the NINA-W101 report.
- We are using the original test report data for XPYNINAW10 as well as additional tests using Class II procedures per the attached test report "HAVEN NINAW101 TEST REPORT.pdf" which accurately represent test results under the new conditions

We would like to certify FCC ID: 2ANU9HAVENA as a Class II Permissive Change to the Haven device.

Best Regards,



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Vladislav Lavrovsky,  
Chief Technical Officer

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