TZOA

28 March 2018

FCC Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

HAVEN FCC Cover Letter

Subject: HAVEN Product FCC Cover Letter

To Whom It May Concern:

- 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.
- We are applying for a new Grant as FCC ID: 2ANU9HAVEN <or IC:23327-HAVEN> using the procedures as outlined in FCC KDB 996369 DO1 V02 October 23, 2015 and 996369 D02 V01 October 23, 2015.
- This product uses the preapproved WiFi module from Sagrad FCC ID: VRA-SG9011203 Part number SPWF01SC without any antenna in the kit.
- We purchase this preapproved module from ST Microelectronics as part number: SPWF01SC.11
- The ST Microelectronics part number: SPWF01SC.11 is considered equivalent to Sagrad VRA-SG9011203 because the only differences between them is a cost reduction in the "Baseband" digital section of the module which does not affect the RF section of the module.
- We have included the original Sagrad information and the ST Microsystems information that shows equivalency of the products.
- The reason why this product is using a different antenna from the approved antenna from Sagrad is to ensure that the WiFi antenna signal is outside of the metal air duct.
- We are using the original test report data for VRA-SG901123 as well as additional tests using Class II procedures per the attached test report "Haven Test Report 16686-1E rev1" which accurately represent test results under the new conditions.
- We are looking for Part 15.247 (RSS-247) approval of our wireless product ANU9HAVEN (23327-HAVEN) under our own ID number since we are using an external antenna to an approved module that was not previously tested and are submitting the CLASS II test report results of the new external antenna.

Best Regards,

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