

Feb.10, 2021

Subject: Class 2 Permissive Change (C2PC) Request
FCC ID: 2AV38-BTMRDRA

To Whom It May Concern,

Here is our request for FCC Filing:

In accordance with KDB 178919 DO1 and FCC rule part §2.1043: Changes in Certified Equipment, Douglas Lighting Controls Inc., hereby requests a C2PC to Model No. BTM-RDR-A, FCC ID: 2AV38-BTMRDRA as detailed below:

- Addition of a custom bent monopole antenna and holder for the Bluetooth module to provide better transmit and receive performance when the module is mounted next to a ground plane.
- Addition of a carrier PCB with additional digital circuitry specifically to control a commercial grade LED light fixture.
- Addition of a 5.8 GHz microwave module, FCC ID:2ADDD-FFV580P02A, used for detecting motion and hence occupancy for the purpose of controlling the operation of a connected commercial grade LED fixture.

Because of the changes detailed above, the following test cases have been performed to verify compliance of the modified Model No. BTM-RDR-A.

1. Part 15.247(b)(2) Transmitter maximum peak output power
2. Part 15.247(d) and 15.209(a) Transmitter radiated emissions
3. Part 15.247(d) and 15.209(a) Transmitter band edge radiated emissions

Please let us know if you have any questions.

Regards,



Glen Tracey, Director IoT Systems

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