



PARAGON ROBOTICS

October 31, 2017

Dear Application Examiner,

{Paragon Robotics, model: OE3C, FCC ID: 2AAA2-OE3C}, would like to have your authorization as a modular approval specific to the OE3C Module.

The requirements of Public Notice DA00-1407 have been met and shown on the following statements.

1. **“The modular transmitter must have its own RF shielding.”: The OE3C module has a standard surface mount, one piece shield (p/n: BMI-S-103) that offers six sides of protection, with the sixth side being the board itself.**
2. **“The modular transmitter must have buffered modulation/data inputs.”: The OE3C was tested using frequency hopping to cycle through all the channels and transmit a maximum length packet. This is used to evaluate the number and spacing of all channels.**
3. **“The modular transmitter must have its own power supply regulation.”: The OE3C module contains a Texas Instrument boost converter (p/n: TPS61291) that allows the low powered MCU to operate directly from dual alkaline batteries. The input voltage range is 0.9v to 5v with an output of 3.3v.**
4. **“The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(C).”: The OE3C module utilizes a permanently attached chip antenna (p/n: ANT1204LL05R0915A).**
5. **“The modular transmitter must be tested in a stand-alone configuration”: The OE3C was tested using test tone transmissions at the lowest, middle and highest channel using modulation and wireless parameters to match real world applications. Frequency hopping was used to cycle through all channels and transmit a maximum length packet.**
6. **“The modular transmitter must be labeled with its own FCC ID number.”: The FCC ID number will be printed onto the OE3C module’s PCB board with white silk screen.**
7. **“The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.”: The OE3C complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**
8. **“The modular transmitter must comply with any applicable RF exposure requirements.”: A caution statement is in manuals to alert users of FCC RF**

exposure requirements for mobile devices and base station transmission devices that a separation of 20 cm or more should be maintained between the antenna of the device and persons during operation.

Please contact me if you have any further questions.

Regards,

A handwritten signature in blue ink, appearing to read "Julian Lamb", is positioned above a faint, light blue rectangular stamp.

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