

Request for Modular Approval
Regarding requirements of Paragraph 15.212(a)(1)

Shielding 15.212(a)(1)(i)

The oscillator/transmitter circuitry is housed under a metal shield soldered to the circuit board.

Buffered Modulation/Data Input 15.212(a)(1)(ii)

No modulation is present. The CW signal emitted by U8 is mixed with its own reflected signal from outside target motion to produce an audio-spectrum mixing product which is connected only to the microcontroller chip U1.

Power Regulation 15.212(a)(1)(iii)

The RF components are powered by a locally regulated 3.3 V source.

Antenna Construction 15.212(a)(1)(iv)

The antenna is a permanently attached printed circuit patch antenna with no external connectors.

Test Configuration 15.212(a)(1)(v)

The device was tested stand-alone with no external shielding. No ferrites were used on the attached cable. There was no coupling to support equipment as the connecting cable measured 15.5 meters to a plastic box. The plastic box provided termination to connect the 12 Volt battery with another 0.5 meters of wire. There was no modification made to the attached power source which is a commonly available lead-acid battery pack.

Labeling 15.212(a)(1)(vi)

The module is labeled with the FCC ID using a permanently applied printed label as depicted in other supporting documentation. The user manual, page 2, contains instructions for external labeling when the module is enclosed in a final design.

Applicable Requirements on Final Configuration 15.212(a)(1)(vii)

The user manual includes instructions that explain the requirements of marking and the instructions that need to be conveyed to the final configuration.

Compliance to RF Exposure Requirements in Final Configuration 15.212(a)(1)(viii)

The user manual includes instructions on the warnings required for the final configuration.
