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Regarding Requirements of Paragraph 15.212(a)(1)

Shielding 15.212(a)(1)(i)

The transmitter circuitry is housed under a metal shield soldered to the circuit board. There is no oscillator or mixer circuitry.

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

There is only power supplied to the module. The two RF I/O lines use SMA connectors and shielded cable. There are no digital signal lines.

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

The RF transmit mode components are powered by a locally regulated 5 V source. The receive mode components are powered by a 3.3 V source.

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

The antenna is supplied external and is limited to 5 dBi gain of monopole type.

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

The device was tested stand-alone with no external shielding. No ferrites were used on the attached cables. The connecting cable measured in excess of 20 cm of unshielded power cable to support circuitry in the test fixture.

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 contains instructions for external labeling when the module is enclosed in a final configuration.

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. The module is used in systems made by the applicant only which maintains control over the final installation of the module.

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.

A handwritten signature in black ink, appearing to read "Eric Lifsey". The signature is stylized with large, flowing loops and a prominent "E" at the beginning.

Name: Eric Lifsey
Title: EMC Engineer
