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Dear Sir/Mam,

XQ7-TAGSENSE-ZT-ZR , is seeking FCC Authorization as a modular transmitter. The EUT meets the requirements for limited modular approval as detailed in FCC public Notice DA00-1407. Compliance to each of the requirements is described below:

Questions are:

1. “The modular transmitter must have its own RF shielding.”

The module does NOT contain its own RF shielding.

2. “The modular transmitter must have buffered modulation/data inputs.”

The module does contain buffered modulation and data inputs through a microcontroller. The user does not have direct access to the radio IC. It is buffered through the microcontroller.

3. “The modular transmitter must have its own power supply regulation.”

The module does NOT include its own power supply regulator.

4. “The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(c).”

Device **XQ7-TAGSENSE-ZT-ZR** has been tested in 3 different configurations and all of them comply with the antenna requirements of section 15.203 and 15.204c. In the first configuration, the module uses an integrated antenna. In the second configuration, the module uses a permanently attached antenna. In the third configuration, the module uses a unique RF connector (MMCX female).

The module labeling will also include a notice that it cannot be used with an external amplifier unless separate authorization has been obtained.

5. “The modular transmitter must be tested in a stand-alone configuration.”

The module has already been tested in stand-alone configuration for operation in the 2400 MHz – 2485 MHz band.

6. “The modular transmitter must be labeled with its own FCC ID number.”

The module contains screen printing which will include the FCC IC number.

- 7. "The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instruction along with the module to explain any such requirements."**

The radio module is self-contained and can operate autonomously. Instructions for using the module is described in the user datasheet. Which is included with the product purchase.

- 8. "The modular transmitter must comply with any applicable RF exposure requirements."**

The maximum transmit power produced by the module at the antenna port is 1 milli-watt. Even with the highest gain external antenna (5dbi), the radiated power is far below the RF exposure limit.

Sincerely,



Richard Fletcher, President

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