



Octet Matrix Incorporated
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Lake Zurich, IL 60047
Phone: (847) 740-2430

Dear FCC/TCB representative,

We request **“Modular Approval” (MA)** for our Q3D-WDAM1 module. This is in accordance with FCC Part 15, Subpart C, Section 15.212.

This device is a complete RF transmitter, i.e., it has its own reference oscillator (e.g., VCO), antenna, etc. The only connectors to the module are power supply and modulation/data inputs.

Compliance with FCC Maximum permissible exposure and is passing and is calculated in accordance with the test report. We are aware that the end device into which an authorized module is installed is may not be required to obtain a new authorization for the module, however this does not preclude the possibility that some other form of authorization or testing may be required for the device (e.g., a WLAN into which an authorized module is installed must still be authorized as a PC peripheral, subject to the appropriate equipment authorization).

The modular transmitter does have its own RF shielding and was tested without an enclosure with only power and data inputs connected (using an evaluation board).

The modular transmitter has buffered modulation/data inputs (if such inputs are provided to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.

The modular transmitter must have its own power supply regulation. This is intended to ensure that the module will comply with Part 15 requirements regardless of the design of the power supplying circuitry in the device into which the module is installed.

The modular transmitter complies with the antenna requirements of FCC part 15.203 and 15.204(c). The antenna type used in the product is a PCB trace antenna (3 dBi gain) with no provisions for field replacement. The antenna to be used with the module is included with the test report. Any additional antennas will result in a Class II permissive change.

The modular transmitter was tested in a stand-alone configuration, i.e., the module was not inside another device during testing. This shows that the module is capable of complying with Part 15 emission limits regardless of the device into which it is eventually installed.

The modular transmitter will be labeled with its own FCC ID number, and, if the FCC ID number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed will also display a label referring to the enclosed module. This exterior label of such products will use wording such as the following: "Contains Transmitter Module FCC ID: Q3D-WDAM1".

The modular transmitter complies with all the specific rules or operating requirements applicable to this transmitter and we attest that we will provide adequate instructions along with the module to explain the manufacturer's installation procedure.

The modular transmitter complies with any applicable RF exposure requirements, as per the test report. The end device manual will provide specific installation and operating instructions for users, installers and other interested parties to ensure compliance, such as that 'a minimum distance of 20 cm between the antenna and any person is to be maintained during operation'.

I the undersigned attest that I am an authorized representative of Octet Matrix Inc and attest to the above.

Scott Lightner

Signature_____

A handwritten signature in black ink, appearing to read "Scott Lightner", is written over a horizontal line labeled "Signature_____".

October 19, 2012