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Request for a modular approval - FCC ID: UYIRFD10

Dear Application Examiner,

The RF Digital Corporation 900 MHz RF Module Model: R210 is seeking FCC authorization as a modular transmitter. The requirement of the FCC Public notice DA00-1407 are met. The following requirements are fulfilled:

1. The modular transmitter must have its own RF shielding

The radio portion of the module is contained in its own RF shielding. See the external photos.

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

The transmitter has buffered inputs which are IO pins of a of a built in microcontroller, which is in between the radio and the data inputs.

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

The transmitter has voltage regulator which regulates to 3.0VDC.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

The transmitter antenna is soldered to the module.

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

The EUT was tested with the power connector adapter being 10 centimeters away, which meets the minimum separation distance required for the EUT.

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

The EUT will be labeled with its own FCC ID number. If the module is installed inside of an end product, the label will not be visible. Instructions will be given to the installer on how to correctly label the product the EUT will be going in.

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 EUT is compliant with all applicable FCC rules. Detail instructions are given in the Users Guide.

RF DIGITAL

C O R P O R A T I O N

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

The EUT meets the requirements of FCC section 15.249 which even if the EUT transmitted at the maximum allowed field strength (50,000 $\mu\text{V/m}$), the equivalent e.i.r.p would be 0.75 mW.

Please contact me at (818) 541-7622 ext. 102 if you have any additional questions.

Best Regards



Armen Kazanchian
President
RF Digital Corporation