



HBC-radiomatic, Inc. • 1017 Petersburg Road • Hebron, KY 41048 USA

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Product Certification
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Attn: Reviewing Engineer

radiomatic®
radiobus®
Quality in Control

Date
September 19, 2019

Subject: REQUEST FOR FCC Part 15 MODULAR TRANSMITTER APPROVAL
FCC ID: NO9TC241B

Your Ref.	Our Ref.	Contact	Direct Line	Fax	Email
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To Whom It May Concern:

We, HBC-radiomatic, Inc. hereby request ☒ a modular / ☐ limited modular approval.

In CFR47 §15.212 "Modular Transmitters" and KDB 996369 D01 "Module Equip Auth Guide" there are following eight numbered requirements defined:

1. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly.

The module has its own shielding for the relevant radio frequency circuits.

2. The modular transmitter must have 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.

Buffered data inputs are integrated in BCD100B.

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

Module has his own power supply regulation. Refer to schematic IC3 (TPS73201).

4. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b).

The module is equipped with a permanently attached antenna or with an external antenna connector. The module will only be operated and marketed with approved defined antennas. The module will be only used in HBC-radiomatic products. Integration of modules and antennas only performed by HBC-radiomatic.

5. The module must demonstrate compliance in a stand-alone configuration.

The module has been tested in stand-alone configuration as documented in the test report.

6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number (KDB 784748).

The modular approved module is labelled with its own FCC ID. The final host product, into which this module will be integrated, also will be labelled with the necessary FCC information. Labelling information, see integration manual.

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. Adequate instructions are provided with the integration manual.

8. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.

The EUT is compliant with all applicable FCC rules. Adequate instructions are provided with the integration manual for integration of the module in fixed, mobile or portable devices.

Yours sincerely,



Jeff Allan
CEO



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