



Date: October 24, 2017

REF: **FCC ID: NUC-BDCI5100**

Subject: Modular Transmitters

(i) The radio elements of the modular transmitter must have their own shielding. The physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly.

All radio elements are shielded.

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(ii) The module must have buffered modulation/data inputs (if such inputs are provided) to ensure that the device will comply with part 15 requirements with any type of input signal.

The data inputs are buffered on the 13.56MHz radio module by Texan Instruments model RI-R6C-001A-03

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(iii) The module must contain power supply regulation on the module

The module has filtered 9 - 24V power input and a 3.3 V power supply regulator.

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

The radio module meets the requirement and description is in the operational description.

(v) The module must demonstrate compliance in a stand-alone configuration

The device was tested in a stand-alone, board level configuration.

(vi) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 78748 about labelling requirements).

The radio module is labeled with FCC ID #. See label drawing exhibit.

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(vii) The module must comply with any specific rules applicable to the transmitter including all the conditions provided on the integration instructions by the grantee

An instruction for use is provided in the User's Manual.

(viii) The module must comply with RF exposure requirements in its final configuration.

The device is compliant with all RF Exposure requirements.

Please contact me if you have any further questions. Thank you for your attention to this matter.

Regards,

Stephen W. Grimes
Brady Worldwide Inc.
6555 W. Good Hope Rd.
Milwaukee, WI 53223
Phone # (414)228-5940
Email: stephen_grimes@bradycorp.com