SEITZ & ASSOCIATES, INC. ELECTRONIC DESIGN

2025-02-12

Modular Approval Request FCC (KDB 996369 D01 & Part 15.212)

FCC ID: 2BNP7GEN4RFID

Items to be covered by ***Single modular***	*Y/N*	*Comment*
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.	Yes	The 13.56MHz radio is underneath an RF shield. Part #: MS453-10S
2. The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal.	Yes	No inputs to the modulation are provided.
3. The module must contain power supply regulation on the module	Yes	Incoming 5V is regulated to 3.3V, -5V and 9.2V. Incoming 12V is regulated to RF_V. Incoming 24V is current regulated for LEDs.
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).	Yes	The RFID module uses a 62, 0.1" pitch pin card edge connector to access the antenna ports. The module was tested with one of these antenna PCBAs ("BJ/Carn RevC00").
5. The module must demonstrate compliance in a stand-alone configuration.	Yes	Test data contained in this application is for the device tested as a stand-alone device. Radiated spurious emissions data and AC conducted emissions data demonstrating compliance with the requirements of Part 15 of the FCC rules for intentional radiators has been provided.
6. The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes	There is a location on the PCBA reserved for the FCC ID label. Refer to label location document.
7. The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	Yes	A clear and concise user manual lists all of these requirements for the end user.
8. The module must comply with RF exposure requirements.	Yes	This device meets the RF exposure requirements. See separate RF Exposure report.

The modular device approval path was deemed appropriate by OET inquiry 375114.

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Position: Vice President

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