

Modular Approval Request - FCC

RE: Request for modular approval
Model: 4 CHANNEL RFID MODULE
FCC ID: Q9R-5400052020

To whom it may concern,

We formerly request modular approval on the above reference device pursuant to the requirements of FCC publication 996369 D01 for modular approval of Part 15 devices.

Modular approval requirement	Yes	No	Comment*
(a) The radio elements of the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.	☒	☐	
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable FCC rule part under conditions of excessive data rates or over-modulation.	☒	☐	
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	☒	☐	
(d) The module must certified with specific antennas and these antennas must be contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s).	☒	☐	

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(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.	☒	☐	
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display.	☒	☐	
(g) The module shall comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions provided by the grantee.	☒	☐	
(h) The module must comply with RF exposure requirements	☒	☐	

** Please provide a detailed explanation for each item*

1. The radio elements of the radio frequency circuitry have been shielded
2. The modulation inputs are buffered such that modulation input is limited.
3. Not a telecommunication device
4. The module was tested in a standalone configuration for radiated emissions; and in a typical host (CORE 2 Console) for AC power line conducted emissions as that host contain the AC power supply
5. Module has a DC 5V Input with an internal regulator for RF transceiver
6. The module is certified with specific antennas and these antennas are the only antennas used by the integrator and provided to the user of the end device.
7. The final device assembly contains a label that notifies the user that the device contains the radio module and references the FCC ID number of the module that is also found on the module label.
8. Stryker Corporation does not sell this module. Stryker Corporation integrates this module into their own devices and are responsible for labeling and final assemblies and for the compliance of the final assembly with CFR 47, 15.225.
9. The module will be used by Stryker Corporation for final assemblies used only in Mobile RF exposure configurations. This filing contains evidence of compliance with RF exposure rules for mobile configuration.
10. The final assembly containing the PCBA meets all the applicable part 15 requirements. The PCBA is intended to operate only within the CORE 2 Console and next generation of the CORE product line. Next generation final assemblies will always undergo compliance to all applicable part 15 requirements before product release. Finally within the Instructions for Use (IFU) of the final assembly, we indicate: "DO NOT disassemble, modify, service, or repair any equipment without the authorization of the manufacturer."

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Based on the above information this request is for:

☒ LIMITED ☐ SINGLE modular approval.

Sincerely,

A handwritten signature in blue ink that reads "Stefan King". The signature is stylized with a large, looped "S" and a cursive "King".

Stefan King

4/21/2017

Company name and address: Stryker Instruments, Inc. 4100 East Milham Ave
Portage MI, 49002