



Date: 11/1/2023

Attn: FCC Office of Engineering and Technology / UL Verification Services TCB

Ref: Class 2 Permissive Change for FCC ID: Z7ALBCA1KU1WA

Original approval date: 4/2/2023

Additional C2PC dates: 4/2/2023

Applicant: Stryker Medical

To Whom It May Concern

This is to request for a Class II Permissive Change to the FCC approval of the Company name: Stryker Medical, product description: Embedded wireless module FCC ID: Z7ALBCA1KU1WA. The transmitter module itself has not changed. The following are the proposed changes to the hardware / firmware for this device:

- The addition of the Molex WiFi 6E flex cable balance antenna, series 146153 as a compatible antenna for FCC ID: Z7ALBCA1KU1WA when BLE is disabled by software.
- Add portable condition to the Silex SX-SDMAC-2832S+ module, excluding BLE, by SAR test exclusion.
- The Molex antenna, series 146153 is a balanced, dipole-type, high efficiency antenna for 2.4/5/6 GHz applications, including WiFi 6E, Bluetooth, Zigbee and others. This antenna is made from poly flexible material with small size 35*9*0.1mm and has double-sided adhesive tape for easy “peel and stick” mounting. This balanced antenna with ground plane independent design offers various cable length options for ease of integration into various devices. Features include:
 - 2400~2500MHz,5150~5850MHz,5925~7125MHz, linear polarization
 - Ground plane independent, balanced dual band antenna
 - Flex size 35 x 9 x 0.1mm (not contain solder area)
 - MHF & U.FL compatible connector (Such as MHF1/MHF4)
 - Cable Ø1.13mm
 - Cable and connector can be customized.
- When this module is used for BT only (BLE disabled), with Molex WiFi 6E flex cable balance antenna, series 146153, it may be used no closer than 10mm from the body.
- Additional details are provided in the photograph exhibits for this application.
- The following tests were performed:

FCC Clause	ISED Clause	Requirement	Result	Comment
See Comment		Duty Cycle	Reporting purposes only	Per ANSI C63.10, Section 11.6.
See Comment	RSS-GEN 6.7	20dB BW/99% OBW	Not Performed	Refer to Note 1
15.247 (a)(1)	RSS-247 (5.1) (b)	Hopping Frequency Separation		
15.247 (a)(1)(iii)	RSS-247 (5.1) (d)	Number of Hopping Channels		
15.247 (a)(1)(iii)	RSS-247 (5.1) (d)	Average Time of Occupancy		
15.247 (b)(1)	RSS-247 (5.4) (b)	Output Power		
See Comment		Average Power		
15.247 (d)	RSS-247 (5.5)	Conducted Spurious Emissions	Not Performed	Refer to Note 1
15.209, 15.205	RSS-GEN 8.9, 8.10	Radiated Emissions	Complies	None
15.207	RSS-Gen 8.8	AC Mains Conducted Emissions		

Note 1: This test report covers a Class 2 Permissive Change to a device which has implemented a new antenna. For this report only AC mains and radiated emissions testing was performed.

If you have any questions regarding this application, please feel free to contact me.

Sincerely,



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Director, Regulatory Affairs

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