



TEST REPORT

Applicant Name: Strong Pilates US, Inc.
Address: 9901 Brodie Lane, Suite 160 PMB1564, Austin, TX
Report Number: 2504Y37245E-RF-00E
FCC ID: 2BS4L-STR01A

Test Standard (s)

FCC PART 2.1091

Sample Description

Product Name: STRONG CONNECT
Model No.: STR01A
Trade Mark: 

Date Received: 2025-10-17
Report Date: 2026-02-05

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:



Roger.Ling
EMC Engineer

Approved By:



Bob.Liao
EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504Y37245E-RF-00E	Original Report	2026-02-05

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	STRONG CONNECT
Tested Model	STR01A
Voltage Range [#]	DC 5V from USB Port DC 3.8V from rechargeable battery
Frequency Range	Bluetooth: 2402-2480MHz BLE: 2402-2480MHz 2.4G WIFI: 2412-2462MHz 5G WIFI: 5150-5250MHz; 5725-5850MHz
Maximum Conducted Output Power	Bluetooth: 8.43 dBm BLE: 5.88 dBm 2.4G WIFI: 21.38 dBm 5G WIFI: 5150-5250MHz: 13.2 dBm; 5725-5850MHz: 16.01 dBm
Antenna Specification [#]	Internal Antenna 2.4G Gain: 0.96 dBi, 5.2G Gain: 1.23 dBi, 5.8G Gain: 0.73 dBi, (It is provided by the applicant.)
Sample Serial Number	3BEQ-2 (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §2.1091 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm2)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Radio	Frequency (MHz)	Tune up conducted power [#] (dBm)	Antenna Gain [#] (dBi)	EIRP		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
				(dBm)	(mW)			
Bluetooth	2402-2480	8.8	0.96	9.76	9.462	20	0.002	1.0
BLE	2402-2480	6.0	0.96	6.96	4.966	20	0.001	1.0
2.4G WIFI	2412-2462	21.8	0.96	22.76	188.799	20	0.038	1.0
5G WIFI	5150-5250	13.5	1.23	14.73	29.717	20	0.006	1.0
	5725-5850	16.3	0.73	17.03	50.466	20	0.010	1.0

Note 1: The tune-up power and antenna gain are declared by the applicant.

Note 2: EIRP= Tune up conducted power + Antenna Gain

Note 3: The BT and WIFI can transmission simultaneously.

Note 4: 2.4G Wi-Fi and 5G Wi-Fi cannot be transmitted simultaneously.

The ratio= BT/Limit + 2.4G WIFI/Limit
= 0.002/1.0 + 0.038/1.0
= 0.04
<1.0

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504Y37245E-RF EUT External Photos and Attachment No.2 2504Y37245E-RF EUT Internal Photos.

***** END OF REPORT *****