RF Exposure Evaluation Report

Applicant: Myx Fitness, LLC

Address of Applicant: 19 W Elm Street, Greenwich, CT 06830 USA.

Equipment Under Test (EUT)

Product Name: tablet

Model No.: MYX216A

Trade mark: MYX fitness

FCC ID: 2AUR9-MYX216A

Applicable standards: FCC CFR Title 47 Part 2 Subpart J Section 2.1091

Date of sample receipt: 27 Apr., 2021

Date of Test: 27 Apr., to 24 May, 2021

Date of report issue: 24 May, 2021

Test Result: PASS*

Authorized Signature:

Bruce Zhang
Laboratory Manager

2 Version

Version No.	Date	Description
00	*24 May, 2021*	*Original*

Tested by: Mike.ou ***Date:*** *24 May, 2021*

Test Engineer

Reviewed by: Winner Zhang ***Date:*** *24 May, 2021*

Project Engineer

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4 General Information

4.1 Client Information

Applicant:	Myx Fitness, LLC
Address:	19 W Elm Street, Greenwich, CT 06830 USA.
Manufacturer:	Shenzhen ELINK technology Co., LTD.
Address:	4/F, Building A, Qiaohongsheng Cultural and Creative Industry Park, Yintian Industrial Zone, xixiang street, Baoan District, Shenzhen，Guangdong, China.
Factory :	Shenzhen iNet Mobile Internet Technology Co., Ltd.
Address	8F, Building C5, Hengfeng Industrial City, Hezhou street, Baoan District, Shenzhen

4.2 General Description of E.U.T.

Product Name:	tablet
Model No.:	MYX216A
Operation Frequency:	2.4G Wi-Fi: 2412MHz~2472MHz 5.2G Wi-Fi Band 1: 5180MHz~5240MHz 5.8G Wi-Fi Band 4: 5725MHz~5875MHz Bluetooth/ BLE: 2402MHz~2480MHz
Modulation technology:	802.11b: DSSS, 802.11a/g/n/ac: OFDM Bluetooth BDR /BLE: GFSK, Bluetooth EDR: π/4-DQPSK, 8DPSK
Antenna Type:	Internal Antenna
Antenna gain:	BT/ BLE: 1.5 dBi; Wi-Fi: 1.5 dBi
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

4.3 Operating Modes

Operating mode	Detail description
BLE mode	Keep the EUT in continuously transmitting in BLE mode
BT mode	Keep the EUT in continuously transmitting in BT mode
2.4G WIFI mode	Keep the EUT in continuously transmitting in 2.4G WIFI mode
5G WIFI mode	Keep the EUT in continuously transmitting in 5G WIFI mode

4.4 Additions to, deviations, or exclusions from the method

No

4.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

4.6 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5 Technical Requirements Specification in FCC CFR Title 47 Part 2.1091

5.1 Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*($900/f^2$)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
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

5.2 Test Procedure

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{P \times G}{4 \times \pi \times R^2}$$

Where:

S = power density

P = power input to the antenna

G = numeric gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the centre of radiation of the antenna

5.3 Result

Frequency (MHz)	Maximum Output power (dBm)	Maximum Output power (mW)	Antenna Gain (dBi)	Antenna Gain (numeric)	Distance (cm)	Result (mW/cm^2)	Limits for General Population/ Uncontrolled Exposure (mW/cm^2)
2.4G Wi-Fi							
2412	14.83	30.41	1.5	1.4	20.00	0.0085	1.0
5.2G Wi-Fi							
5240	10.65	11.61	1.5	1.4	20.00	0.0033	1.0
5.8G Wi-Fi							
5825	9.45	8.81	1.5	1.4	20.00	0.0025	1.0
BLE							
2442	6.65	4.63	1.5	1.4	20.00	0.0013	1.0
BT							
2441	11.19	13.15	1.5	1.4	20.00	0.0037	1.0

Note: Just the worst case mode was shown in report.

5.4 Conclusion

The device is exempt from the RF exposure evaluation.

------End of report------