

**TEST REPORT**

<b>Application No.:</b>	GZCR2412001466HS
<b>Applicant:</b>	Health In Motion LLC
<b>Address of Applicant:</b>	3300 Horseless Carriage Drive, Norco, CA 92860, United States of America
<b>Manufacturer:</b>	SHUHUA SPORTS CO., LTD
<b>Address of Manufacturer:</b>	SHICHUN INDUSTRIAL PARK, CHIDIAN, JINJIANG, FUJIAN, CHINA
<b>Factory:</b>	SHUHUA SPORTS CO., LTD
<b>Address of Factory:</b>	SHICHUN INDUSTRIAL PARK, CHIDIAN, JINJIANG, FUJIAN, CHINA
<b>Product Name:</b>	Motorized Treadmill
<b>Model No.:</b>	T5, T5-110.1, T5B-110.1 ♦
♦	Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
<b>Trade Mark:</b>	Inspire Fitness, CENTR
<b>Standard(s) :</b>	47 CFR Part 1.1310 KDB 680106 D01 v04 KDB 447498 D01 General Radio Frequency Exposure Guidelines v06
<b>Date of Receipt:</b>	2024-12-06
<b>Date of Evaluation:</b>	2025-01-22 to 2025-01-22
<b>Date of Issue:</b>	2025-01-27

<b>Evaluation Result:</b>	<b>Pass*</b>
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\* In the configuration evaluated, the EUT complied with the standards specified above.



Ricky Liu  
Manager



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch, China EEC Laboratory

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Revision Record			
Version	Report No.	Date	Remark
01	GZCR241200146603	2025-01-27	Original

Authorized for issue by:			
	Luke Lin	Luke Lin/Project Engineer	
	Vico Cui	Vico Cui/Reviewer	



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## 2 Test Summary

<b>Radio Spectrum Matter Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Field Strength	KDB 680106 D01 v04	KDB 680106 Section 3	47 CFR Part 1.1310	Pass
RF Exposure	KDB 447498 D01 v06	KDB 447498 D01 v06	47 CFR Part 1.1310	Pass

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

**◆ Declaration of EUT Family Grouping:**

Model No.: T5, T5-110.1, T5B-110.1

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference on model name.

Therefore only one model T5 was tested in this report.



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	AC 120V 60Hz
Test voltage:	AC 120V 60Hz
Cable(s):	AC mains, 3 wires, 2.0m, unshielded.
	Refer to report GZCR241200146602 for WPC detail.
RF character(s)	Refer to FCC ID 2AO06-WLT8016 for BLE detail.
	Refer to FCC ID 2AMPPAI00130 for BT classic detail.

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Mobile Phone	SAMSUNG	SM-G9508	R28K110W9JV
Mobile Phone	SAMSUNG	SM-G9810	RFCN309Q9QF
Mobile Phone	APPLE	iPhone 12 mini	F71DP3NG0GQY
Wireless Charging Load	/	/	/

### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Field Strength	MF:U=0.13dB,EF:U=0.4dB

Remark:  
The  $U_{lab}$  (lab Uncertainty) is less than  $U_{etsi}$  (ETSI Uncertainty), so the test results  
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;  
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,  
Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.



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## 4.5 Facility

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

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

<b>Magnetic field strength</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
743 Compact 3m Semi-Anechoic Chamber	ChangZhou ZhongYu	N/A	EMC0525	2022-10-16	2025-10-15
MAGPy-8H3D+E3D	SPEAG	MAGPy	SEMC060-31	2024-11-15	2025-11-14
MAGPy-DAS	SPEAG	MAGPy	SEMC060-32	2024-11-15	2025-11-14

<b>General used equipment</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DMM	Fluke	73	EMC0006	2024-06-11	2025-06-10



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## 6 Radio Spectrum Matter Test Results

### 6.1 Magnetic field strength

Test Requirement 47 CFR Part 1.1310 &amp; KDB 680106 D01

Test Method: KDB 680106 D01

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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

RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C      Humidity: 59.8 % RH      Atmospheric Pressure: 1020 mbar

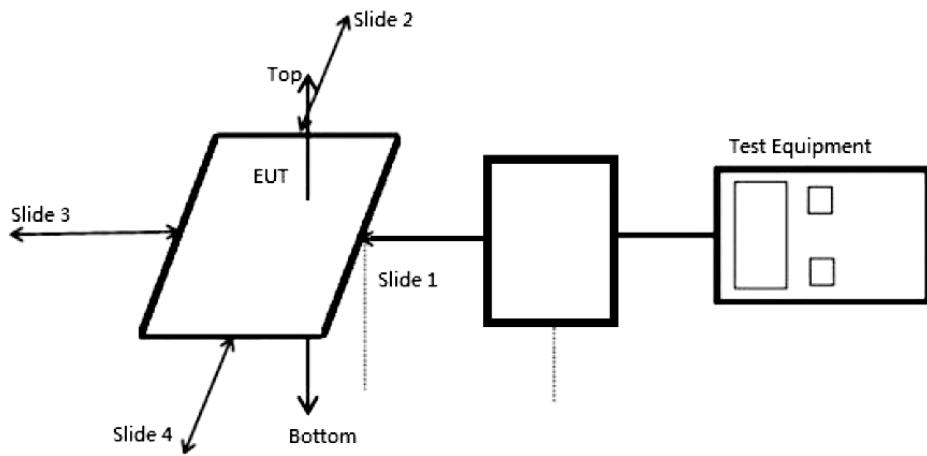


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**6.1.2 Test Mode Description**

Pre-scan / Mode Final test	Mode Code	Description
Final test	08	This device has been tested the worst status of full load and the device has been tested with mobile phone at zero charge, intermediate charge, and full charge.

**6.1.3 Test Setup Diagram**

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### 6.1.4 Measurement Procedure and Data

Output Voltage= DC 5 V; The max output power = 15 W; Calculation of resistor value=1.67 Ω

#### Electric Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			unload	Half load	full load	
125.22kHz which is the worst case within the operation frequency range	20	Side 1	1.31	1.35	1.40	<=614
		Side 2	1.66	1.70	1.79	
		Side 3	1.38	1.42	1.63	
		Side 4	1.09	1.00	1.16	
		Top	2.83	2.88	3.07	
		Bottom	0.57	0.54	0.65	

#### Magnetic Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			unload	Half load	full load	
125.22kHz which is the worst case within the operation frequency range	20	Side 1	0.17	0.18	0.20	<=1.63
		Side 2	0.16	0.17	0.20	
		Side 3	0.18	0.21	0.19	
		Side 4	0.16	0.19	0.18	
		Top	0.23	0.21	0.33	
		Bottom	0.17	0.15	0.17	

Mobile phone has been charged at zero charge, intermediate charge, and full charge.

#### Electric Field Emissions

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(V/m)			Limit (V/m)
			zero charge	intermediate charge	full charge	
125.22kHz which is the worst case within the operation frequency range	20	Side 1	1.28	1.26	1.31	<=614
		Side 2	1.63	1.59	1.67	
		Side 3	1.35	1.36	1.51	
		Side 4	1.01	0.99	1.10	
		Top	2.81	2.73	2.90	
		Bottom	0.52	0.51	0.63	

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**Magnetic Field Emissions**

Operation frequency	Test Distance (cm)*	Test Position	Probe Measure Result(A/m)			Limit (A/m)
			zero charge	intermediate charge	full charge	
125.22kHz which is the worst case within the operation frequency range	20	Side 1	0.17	0.19	0.21	<=1.63
		Side 2	0.16	0.17	0.21	
		Side 3	0.19	0.21	0.20	
		Side 4	0.16	0.18	0.19	
		Top	0.22	0.20	<b>0.33</b>	
		Bottom	0.16	0.16	0.18	

\*Remark: The test distance 20 cm was the worst case of all the distance declared in user manual by applicant.



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## 6.2 RF Exposure Evaluation

### 6.2.1 Limit & Test Method

According to FCC Part1.1310: 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 part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposures</b>				
0.3–3.0 .....	614	1.63	*(100)	6
3.0–30 .....	1842/f	4.89/f	*(900/f <sup>2</sup> )	6
30–300 .....	61.4	0.163	1.0	6
300–1500 .....	.....	.....	f/300	6
1500–100,000 .....	.....	.....	5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3–1.34 .....	614	1.63	*(100)	30
1.34–30 .....	824/f	2.19/f	*(180/f <sup>2</sup> )	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

Friis Formula

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

G = gain of antenna in linear scale

$P_i$  = 3.1416

R = distance between observation point and center of the radiator in cm

$P_d$  is the limit of MPE, 1 mW/cm<sup>2</sup>. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

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### 6.2.2 Conclusion

Multiple transmitter-According to Section 7.2 of KDB 447498 D01 General Radio Frequency Exposure Guidelines v06

RF exposure of FCC ID: 2AOO6-WLT8016 use BLE function.

For BLE

Antenna Gain:

3 dBi

Frequency (MHz)	Antenna Gain (Numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )		Test Result
					(mW/cm <sup>2</sup> )	(mW/cm <sup>2</sup> )	
2402	2.00	7.5	5.62	0.00223	1	1	Complies
2440	2.00	7.5	5.62	0.00223	1	1	Complies
2480	2.00	7.5	5.62	0.00223	1	1	Complies

RF exposure of FCC ID: 2AMPPAI00130 use BT classic function.

For Bluetooth Classic

Antenna Gain:

1 dBi

Frequency (MHz)	Antenna Gain (Numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )		Test Result
					(mW/cm <sup>2</sup> )	(mW/cm <sup>2</sup> )	
2402	1.26	-1.88	0.65	0.00016	1	1	Complies
2441	1.26	-1.88	0.65	0.00016	1	1	Complies
2480	1.26	-1.88	0.65	0.00016	1	1	Complies

The BT Classic, BT BLE & WPC can be transmitted at the same time, so the result is  $0.00223/1+0.00016/1+0.33/1.63=0.204<1$ , so the device meets the RF exposure and without SAR test.



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## 7 Test Setup Photo

Refer to Appendix\_Test Setup Photo for GZCR241200146603.



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## 8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2412001466HS

- End of the Report -



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