

# TEST REPORT


Applicant: Yongkang Meipeng Industry and Trade Co. LTD  
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Manufacturer: Yongkang Meipeng Industry and Trade Co. LTD  
Address: 1-3 / F, Building 5, No.16, Jiuding Road, Dushantou Village, Economic Development Zone, Yongkang city, Jinhua city, Zhejiang Province, China  
EUT: Fitness step machine

Test Model No.: MP-D805

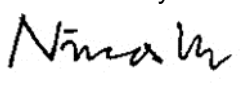
Model Number: MP-D805, MP-D806, MP-D807, MP-D808, MP-A105, MP-A106, MP-A107, MP-A108, MP-F205, MP-F206, MP-F207, MP-F208, MP-Z305, MP-Z306, MP-Z307, MP-Z308, MP-J505, MP-J506, MP-J507, MP-J508

Test Date: December 26, 2023 to December 29, 2023  
Date of Report: December 29, 2023  
Report No.: XK2312013101E  
Test Result: The equipment under test was found to be compliance with the requirements of the standards applied.

Test Specificatin: FCC Part 15, Subpart B  
ANSI C63.4: 2014

Compiled by:  


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*This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen SiCT Technology Co., Ltd.*

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## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT: : Fitness step machine

Trademark: N/A

Test Model: : MP-D805

Rating: Input: DC 3V

### 1.2. Tested System Details

None.

### 1.3. Test Uncertainty

Conducted Emission : 2.66dB  
Uncertainty

Radiated Emission Uncertainty : 4.26dB

## 2. TEST INSTRUMENT USED

For Conducted Emission at the mains terminals Test

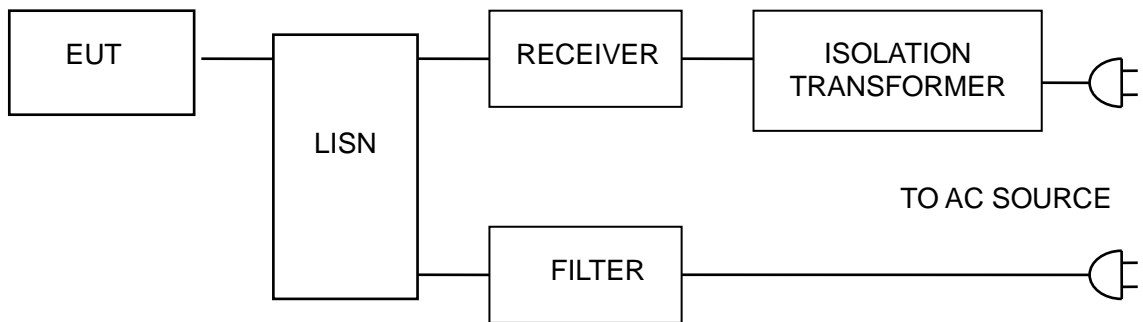
Conducted Emission Test ( A --- site )					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
843 Shielded Room	ChengYu	843 Room	843	2023-04-26	2024-04-25
EMI Receiver	R&S	ESCI	101421	2023-04-26	2024-04-25
LISN	SCHWARZBECK	NSLK8127	812779	2023-04-26	2024-04-25
Pulse Limiter	R&S	ESH3-Z2	100681	2023-04-26	2024-04-25
843 Cable 1#	FUJIKURA	843C1#	001	2023-04-26	2024-04-25

For Radiated Emission Test

Radiation Emission Test (966 chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	2023-04-26	2024-04-25
Spectrum Analyzer	Agilent	E4407B	MY45109572	2023-04-26	2024-04-25
Amplifier	Schwarzbeck	BBV9743	9743-119	2023-04-26	2024-04-25
Amplifier	Schwarzbeck	BBV9718	9718-270	2023-04-26	2024-04-25
Log-periodic Antenna	Schwarzbeck	VULB9160	VULB9160-3369	2023-04-26	2024-04-25
EMI Receiver	R&S	ESCI	101421	2023-04-26	2024-04-25
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1275	2023-04-26	2024-04-25
966 Cable 1#	CHENGYU	966	004	2023-04-26	2024-04-25
966 Cable 2#	CHENGYU	966	003	2023-04-26	2024-04-25

### 3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

#### 3.1. Block Diagram Of Test Setup



#### 3.2. Test Standard

FCC Part 15

#### 3.3. Power Line Conducted Emission Limit

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. \*Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

#### 3.4. EUT Configuration on Test

The following equipments are installed on conducted emission test to meet FCC Part 15 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

#### 3.5. Operating Condition of EUT

3.5.1 Setup the EUT and simulators as shown in Section 3.1.

3.5.2 Turn on the power of all equipments.

3.5.3 Let the EUT work in test modes and test it.

### 3.6. Test Procedure

The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **FCC Part 15** regulations during conducted emission test.

The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

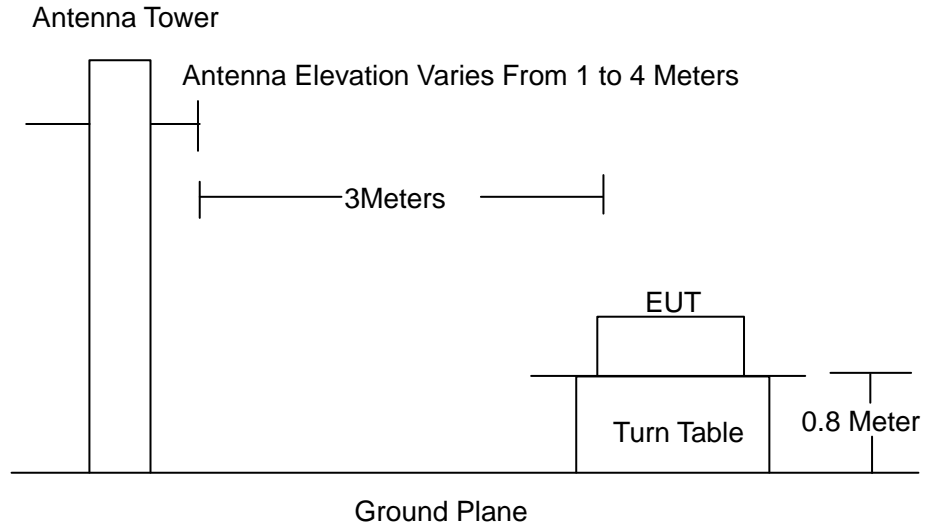
The frequency range from 150 KHz to 30 MHz is investigated.

### 3.7. Test Result

N/A

## 4. RADIATION EMISSION TEST

### 4.1. Block Diagram of Test Setup



### 4.2. Test Standard

FCC Part 15

### 4.3. Radiation Limit

Below 1GHz Class B Equipment Limits		
Frequency (MHz)	Distance (Meters)	Quasi-Peak (dB $\mu$ V/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

**NOTE 1** The lower limit shall apply at the transition frequency.

**NOTE 2** Additional provisions may be required for cases where interference occurs.

#### 4.4.EUT Configuration on Test

The FCC Part 15 regulations test method must be used to find the maximum emission during radiated emission test.

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

#### 4.5.Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.

#### 4.6.Test Procedure

The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to FCC Part 15 on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz.

The frequency range from 30MHz to 1000MHz is checked.

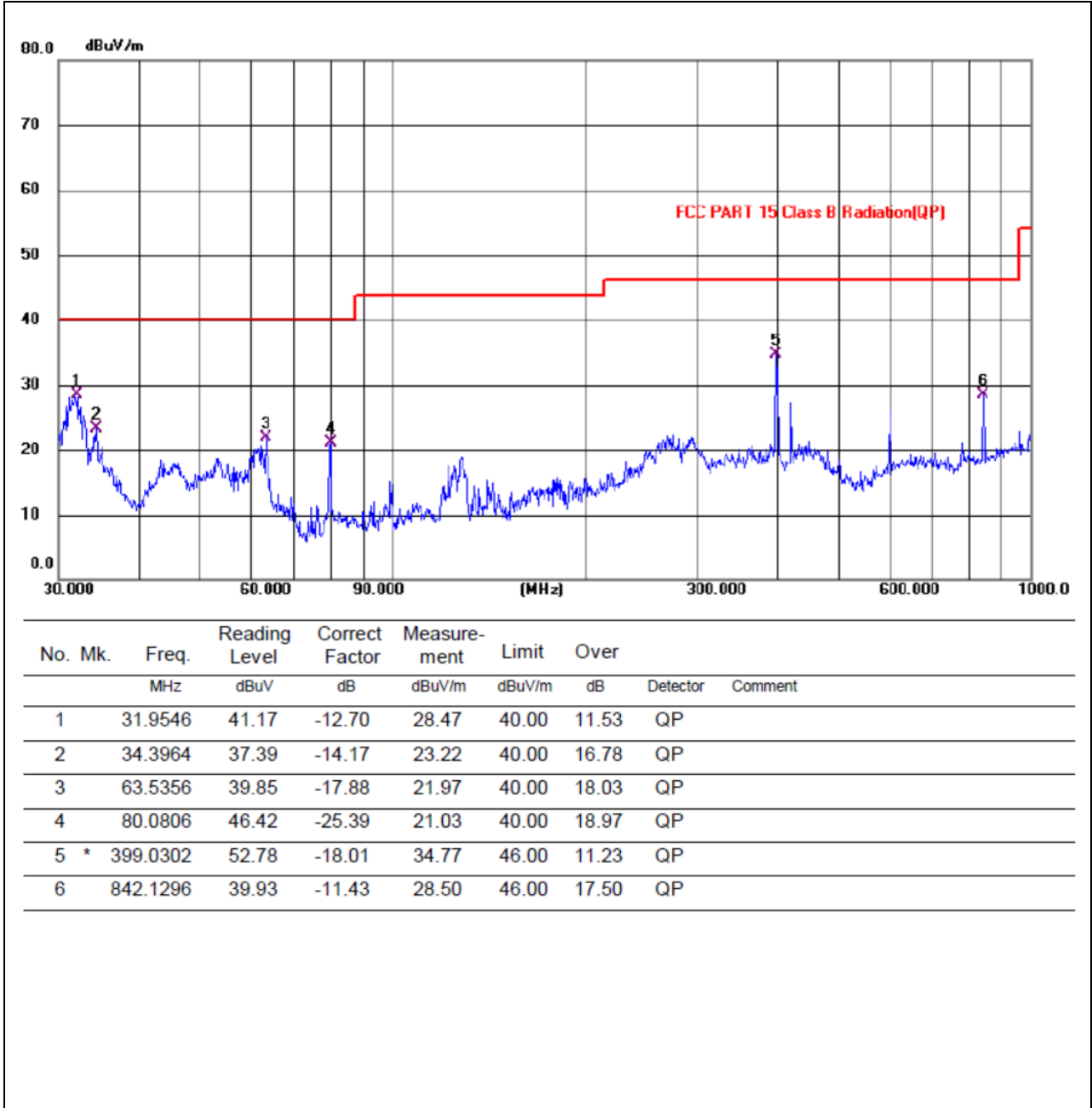
#### 4.7.Test Result

**PASS**

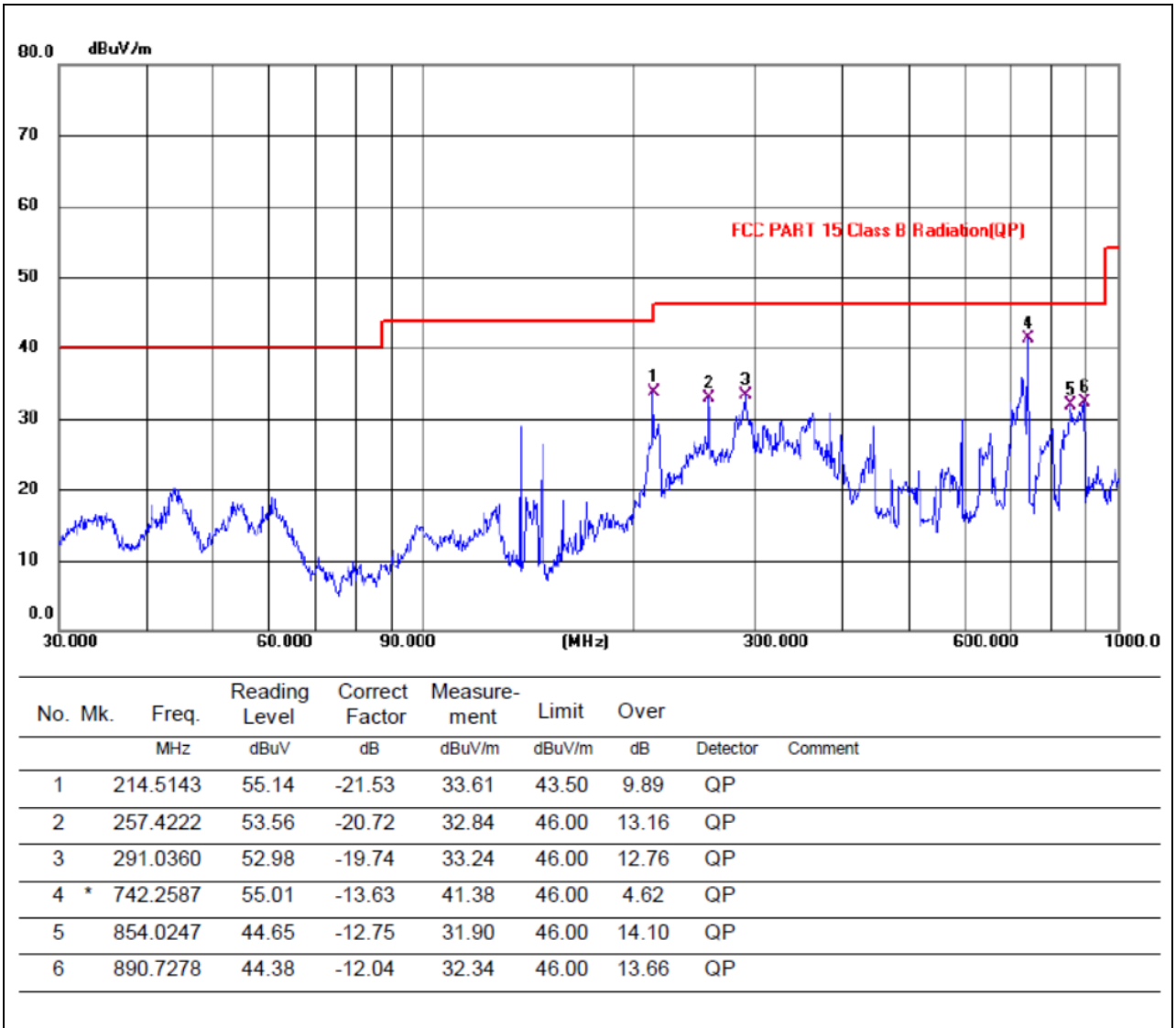
Please refer to the following page.



Radiation Emission Test Data			
Temperature:	25 °C	Relative Humidity:	52%
M/N:	MP-D805	EUT	Fitness step machine
Pressure:	101kPa	Phase :	Horizontal
Test Voltage :	DC 3V	Test Mode:	ON



Radiation Emission Test Data			
Temperature:	25 °C	Relative Humidity:	52%
M/N:	MP-D805	EUT	Fitness step machine
Pressure:	101kPa	Phase :	Vertical
Test Voltage :	DC 3V	Test Mode:	ON



## 5.APPENDIX A - EUT PHOTOGRAPHS



### Statement

- 1.This report is considered invalid without approved signature and special;
- 2.The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which SiCT's hasn't verified;
- 3.The result(s) shown in this report refer(s) only to the sample(s) tested;
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**\*\*\*\*\* END OF REPORT \*\*\*\*\***