FCC Part 15 Subpart B
TEST REPORT

Client Name	:	Jiangsu Nandi Intelligent Technology Co., Ltd
Address	:	No. 166 HouQiao, ZhaiQiao Village, QianHuang Town, WuJin District, ChangZhou, Jiangsu, China
Product Name	:	Standing desk
Test Model No.	:	ND-SS01
Report No.	:	CCTI-2023091123E
Issued Date	:	Sept. 22, 2023
Prepared By	:	Shenzhen CCTI Technology Co., Ltd.
Address	:	7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Contact Info	:	Service Tel : 0086-400-188-9662 CCTI E-mail : ccti@ccti-lab.com CCTI Web : www.ccti-lab.com

Scan code for report

TEST REPORT VERIFICATION

Applicant	:	Jiangsu Nandi Intelligent Technology Co., Ltd
Address	:	No. 166 HouQiao, ZhaiQiao Village, QianHuang Town, WuJin District, ChangZhou, Jiangsu, China
Manufacturer	:	Jiangsu Nandi Intelligent Technology Co., Ltd
Address	:	No. 166 HouQiao, ZhaiQiao Village, QianHuang Town, WuJin District, ChangZhou, Jiangsu, China
Product Name	:	Standing desk
Model No.	:	ND-SS01
Series No.	:	ND-SS-1160,ND-SS-1460,ND-SS-1470,ND-SS-1260,ND-SS-1670
Trade Mark	:	N/A
Rating(s)	:	Input: 24 V⎓ 4.5 A, 28 W, Class III (Supplier by AC Adapter: Model: CL3202-A) Input: 100 V - 240 V; 50Hz / 60Hz; 2.5 A, Output: 32 V⎓ 2.3 A, 73.6W
Test Date	:	Sept. 06, 2023 to Sept. 22, 2023
Test Standard(s)	:	**FCC Part 15 Subpart B** **ANSI C63.4:2014**
Test Result	:	**PASS**

This device described above has been tested by CCTI, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. The results shown in this test report refer only to the sample(s) tested unless other wise stated and the sample(s) are retained for 30 days only.

Producer By : Betty Liang (Betty Liang / Engineer) **Date** : Sept. 22, 2023

Authorized Signer : Corey Mao (Corey Mao / Manager) **Date** : Sept. 22, 2023

SHENZHEN CCTI TECHNOLOGY CO., LTD. APPROVED

TABLE OF CONTENTS

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Standing desk
Trademark	:	N/A
Model Number	:	ND-SS01
Serial Model	:	ND-SS-1160,ND-SS-1460,ND-SS-1470,ND-SS-1260,ND-SS-1670
Model Difference	:	The product is different for model number and outlook color.
Power Supply	:	Input: 24 V⎓4.5 A, 28 W, Class III (Supplier by AC Adapter: Model: CL3202-A) Input: 100 V - 240 V; 50Hz / 60Hz; 2.5 A, Output: 32 V⎓2.3 A, 73.6W

Remark:

(1) ND-SS01 was selected as the test model and the datas have been recorded in this report.

(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.2. Test Facility

Shenzhen CCTI Technology Co., Ltd.

7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

1.3. Tested System Details

None.

1.4. Test Uncertainty

Conducted Emission Uncertainty	:	± 2.66dB
Radiated Emission Uncertainty	:	± 4.26dB

2. TEST INSTRUMENT USED

2.1. For Conducted Emission at the mains terminals Test

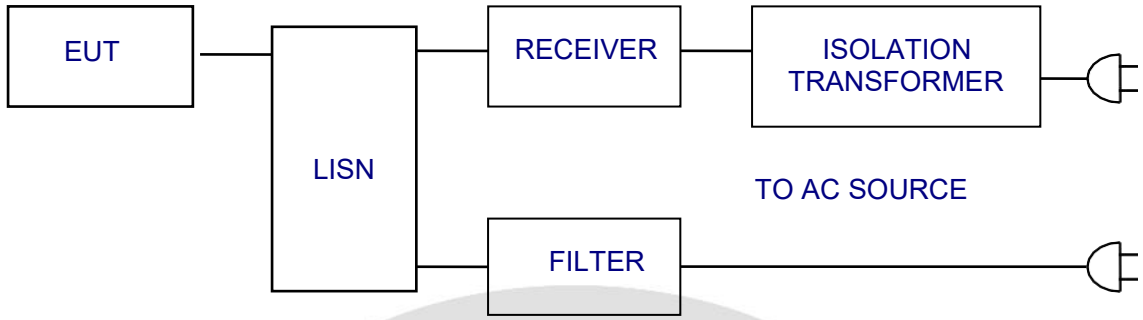
Conducted Emission Test (A --- site)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
843 Shielded Room	ChengYu	843 Room	843	Mar. 09, 2023	Mar. 08, 2024
EMI Receiver	R&S	ESCI	101421	Mar. 09, 2023	Mar. 08, 2024
LISN	Schwarzbeck	NSLK8127	8127739	Mar. 09, 2023	Mar. 08, 2024
Attenuator	R&S	ESH3-Z2	CCTI021E	Mar. 09, 2023	Mar. 08, 2024
843 Cable 1#	FUJIKURA	843C1#	001	Mar. 09, 2023	Mar. 08, 2024

2.2. For Radiated Emission Test

Radiation Emission Test (966 chamber)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	ChengYu	966 Room	966	Mar. 09, 2023	Mar. 08, 2024
Spectrum Analyzer	Agilent	E4407B	MY45109572	Mar. 09, 2023	Mar. 08, 2024
Amplifier	Schwarzbeck	BBV9743	9743-119	Mar. 09, 2023	Mar. 08, 2024
Amplifier	Schwarzbeck	BBV9718	9718-270	Mar. 09, 2023	Mar. 08, 2024
Log-periodic Antenna	Schwarzbeck	VULB9160	VULB9160-3369	Mar. 09, 2023	Mar. 08, 2024
EMI Receiver	R&S	ESCI	101421	Mar. 09, 2023	Mar. 08, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1275	Mar. 09, 2023	Mar. 08, 2024
966 Cable 1#	CHENGYU	966	004	Mar. 09, 2023	Mar. 08, 2024
966 Cable 2#	CHENGYU	966	003	Mar. 09, 2023	Mar. 08, 2024

3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

3.1. Block Diagram Of Test Setup



3.2. Test Standard

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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 equipment are installed on conducted emission test to meet FCC PART 15 B requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.5. Operating Condition of EUT

(1) Setup the EUT and simulators as shown in Section 3.1.

(2) Turn on the power of all equipment.

(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 equipment. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **FCC PART 15 B** regulations during conducted emission test.

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

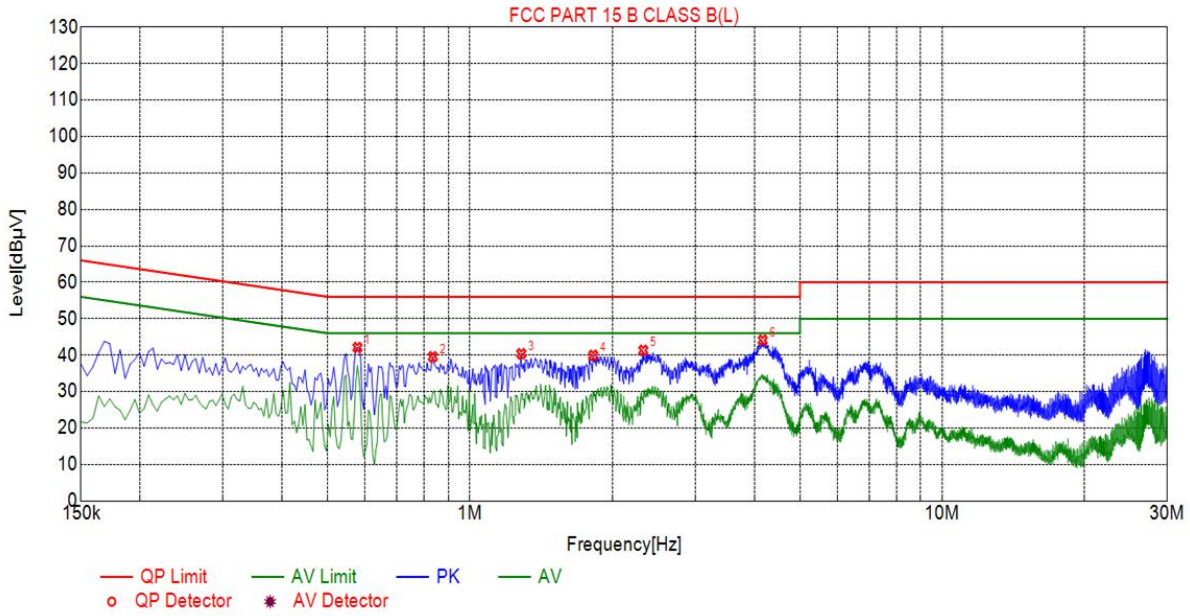
The frequency range from 150 KHz to 30 MHz is investigated.

3.7. Test Result

PASS

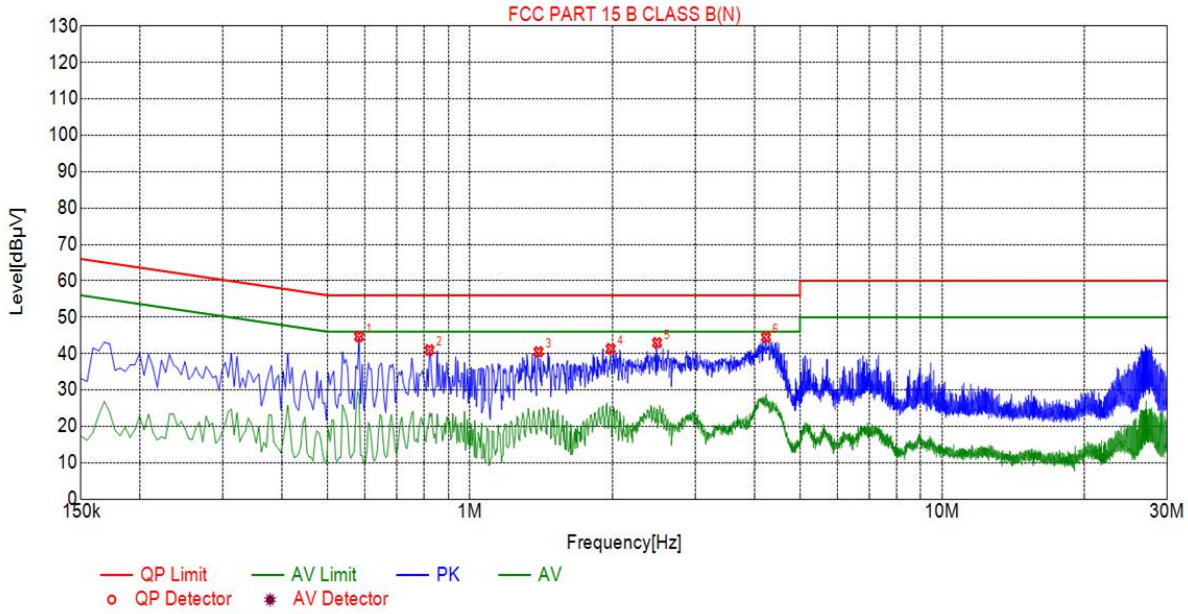
Please refer to the following page.

Conducted Emission At The Mains Terminals Test Data			
Temperature:	24.5 ℃	Relative Humidity:	54%
Pressure:	1009hPa	Phase :	Line
Test Voltage :	DC 24V From Power Adapter Input AC 110V/60Hz	Test Mode:	Working



Suspected List								
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.5775	42.09	20.05	56.00	13.91	22.04	PK	L
2	0.8340	39.55	20.06	56.00	16.45	19.49	PK	L
3	1.2840	40.38	20.09	56.00	15.62	20.29	PK	L
4	1.8240	39.95	20.14	56.00	16.05	19.81	PK	L
5	2.3280	41.31	20.18	56.00	14.69	21.13	PK	L
6	4.1685	44.12	20.25	56.00	11.88	23.87	PK	L

Conducted Emission At The Mains Terminals Test Data			
Temperature:	24.5 ℃	Relative Humidity:	54%
Pressure:	1009hPa	Phase :	Neutral
Test Voltage :	DC 24V From Power Adapter Input AC 110V/60Hz	Test Mode:	Working

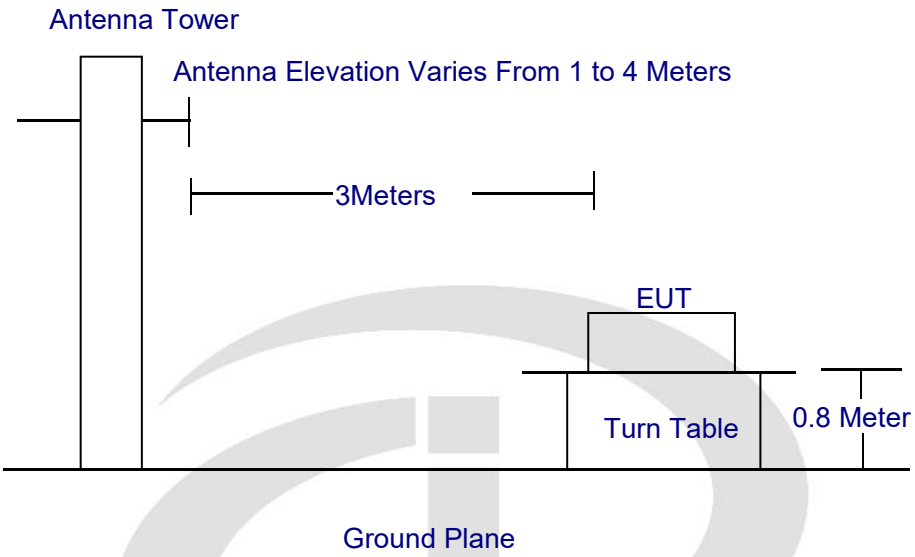


Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type
1	0.5820	44.68	20.05	56.00	11.32	24.63	PK	N
2	0.8205	41.01	20.06	56.00	14.99	20.95	PK	N
3	1.3965	40.48	20.11	56.00	15.52	20.37	PK	N
4	1.9860	41.34	20.14	56.00	14.66	21.20	PK	N
5	2.4900	42.97	20.19	56.00	13.03	22.78	PK	N
6	4.2360	44.47	20.25	56.00	11.53	24.22	PK	N

4. RADIATION EMISSION TEST

4.1. Block Diagram of Test Setup



4.2. Test Standard

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4.3. Radiation Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dBμV/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0

4.4. EUT Configuration on Test

The FCC PART 15 B 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 B on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 1GHz, set at 1MHz above 1GHz

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

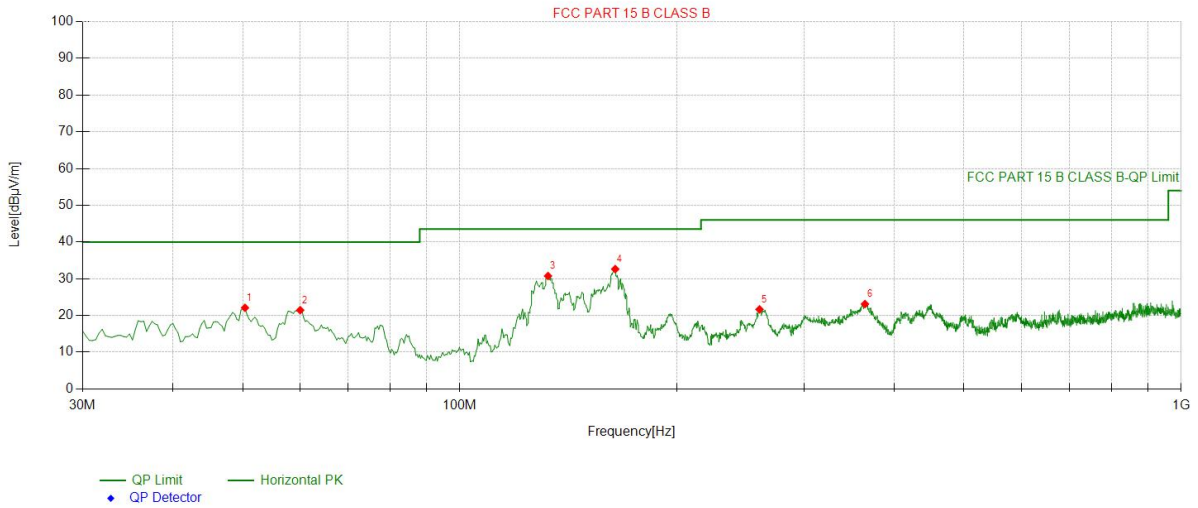
The highest frequency of the internal sources of the EUT was 1.3GHz, so the measurement was only made up to 6GHz.

4.7. Test Result

PASS

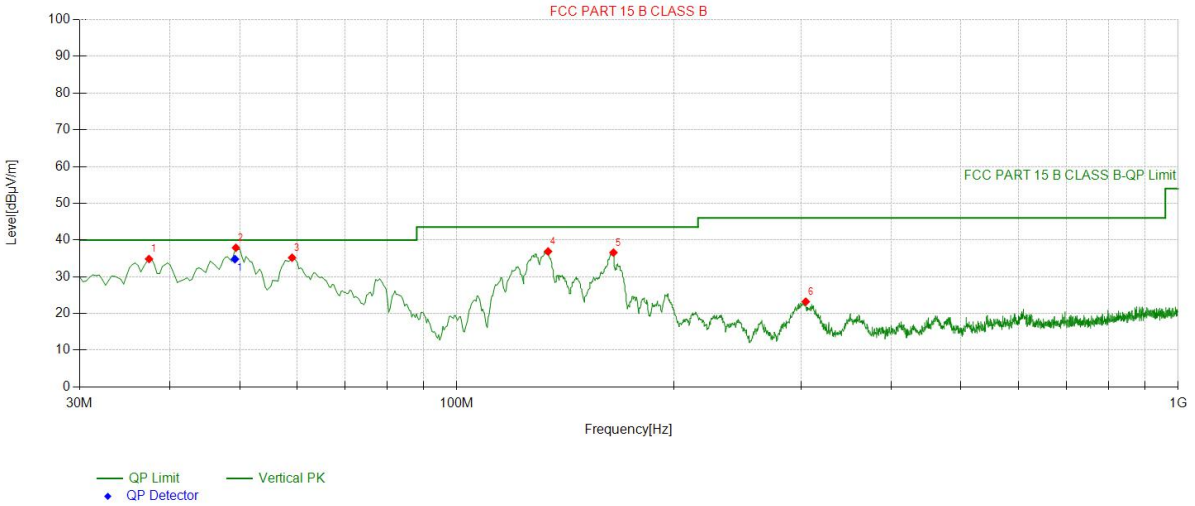
Please refer to the following page.

Radiation Emission Test Data			
Temperature:	24.5 ℃	Relative Humidity:	54%
Pressure:	1009hPa	Phase :	Horizontal
Test Voltage :	DC 24V From Power Adapter Input AC 110V/60Hz	Test Mode:	Working



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.376792	-16.84	38.92	22.08	40.00	17.92	100	67	Horizontal
2	60.080027	-17.75	39.19	21.44	40.00	18.56	100	40	Horizontal
3	132.53084	-17.19	47.93	30.74	43.50	12.76	100	81	Horizontal
4	164.22807	-16.42	49.05	32.63	43.50	10.87	100	64	Horizontal
5	260.29009	-18.24	39.89	21.65	46.00	24.35	100	71	Horizontal
6	364.43814	-16.21	39.31	23.10	46.00	22.90	100	6	Horizontal

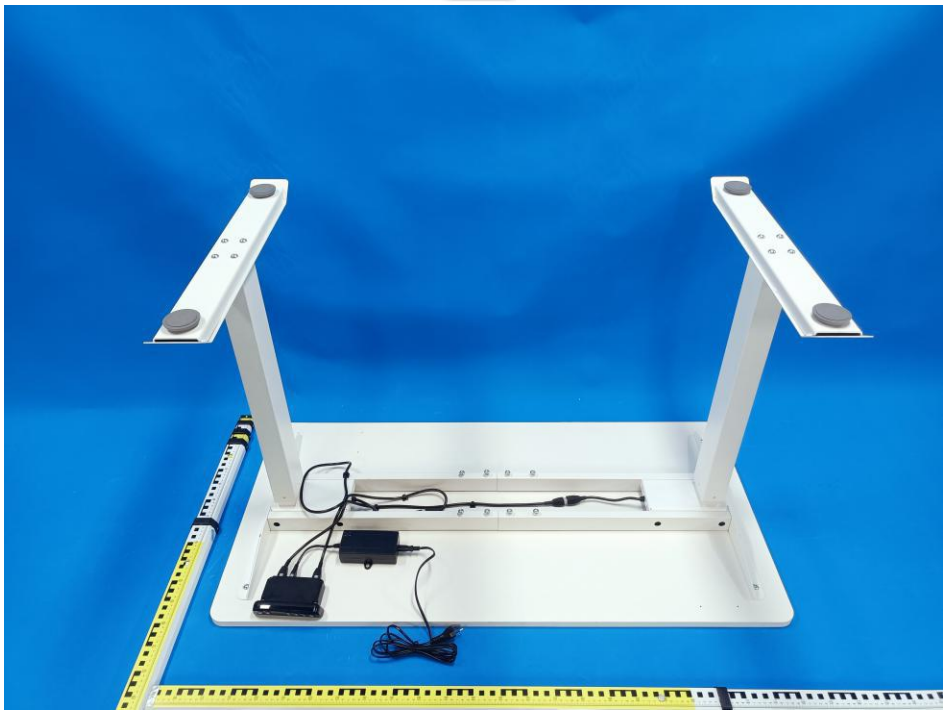
Radiation Emission Test Data			
Temperature:	24.5 ℃	Relative Humidity:	54%
Pressure:	1009hPa	Phase :	Vertical
Test Voltage :	DC 24V From Power Adapter Input AC 110V/60Hz	Test Mode:	Working



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.439146	-16.78	51.60	34.82	40.00	5.18	100	359	Vertical
2	49.406469	-16.80	54.68	37.88	40.00	2.12	100	354	Vertical
3	59.109703	-17.65	52.83	35.18	40.00	4.82	100	11	Vertical
4	133.82460	-17.11	54.00	36.89	43.50	6.61	100	25	Vertical
5	164.87495	-16.50	53.08	36.58	43.50	6.92	100	30	Vertical
6	304.60153	-17.32	40.52	23.20	46.00	22.80	100	337	Vertical

APPENDIX I -- EUT PHOTOGRAPHS

EUT Photo 1



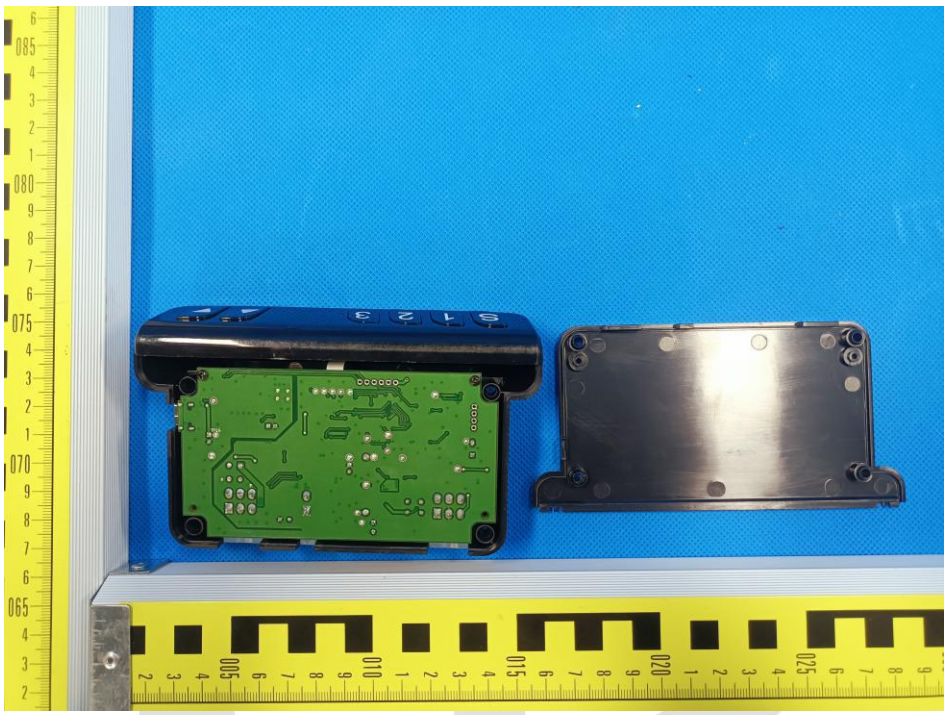
EUT Photo 2

EUT Photo 3

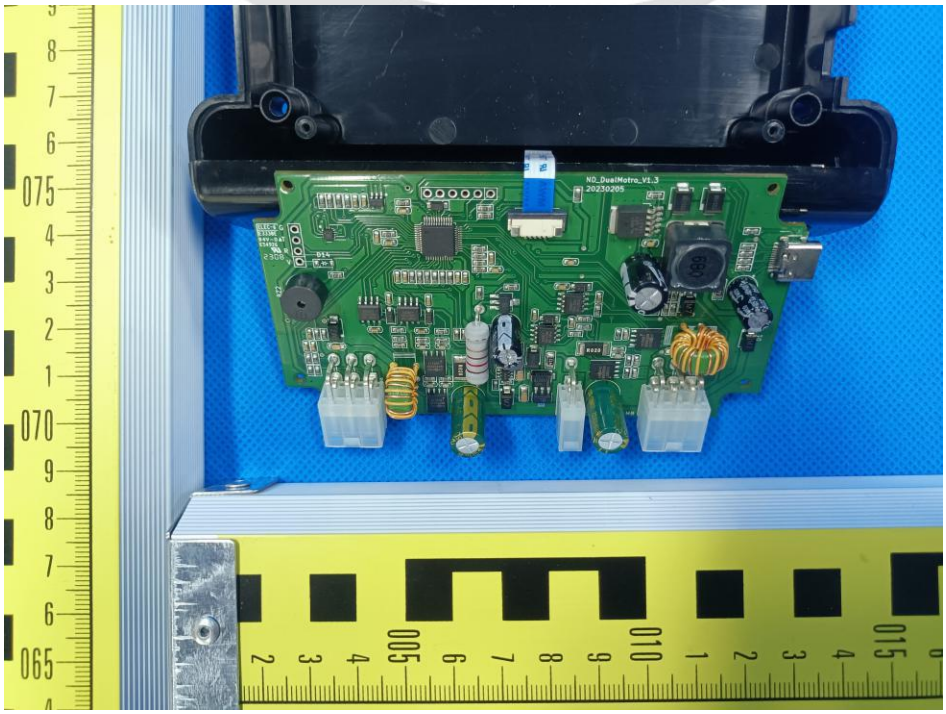
EUT Photo 4

EUT Photo 5

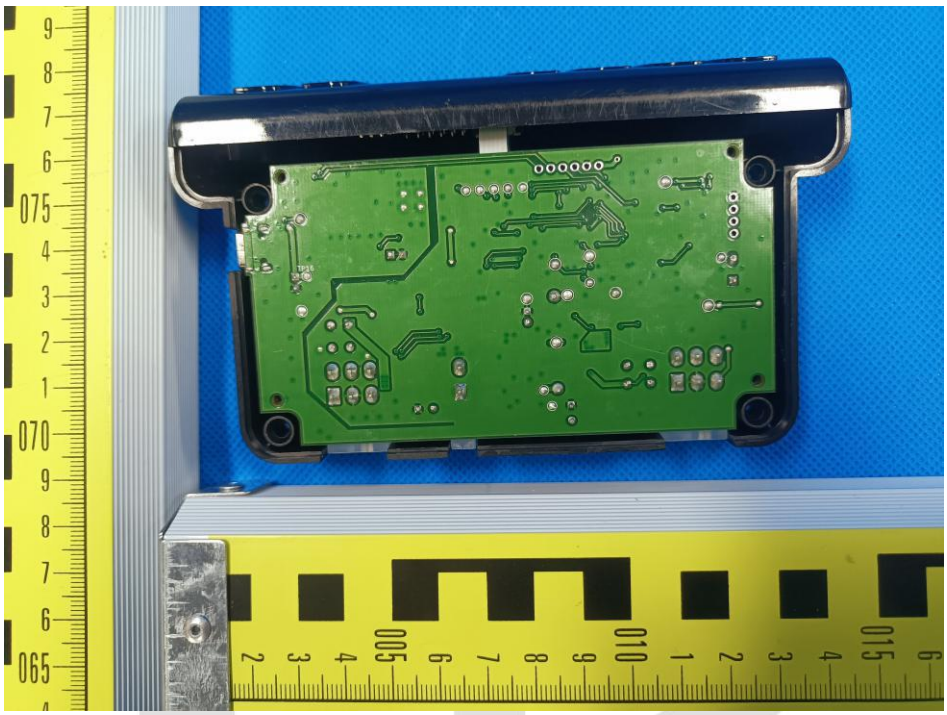
EUT Photo 6



EUT Photo 7



EUT Photo 8

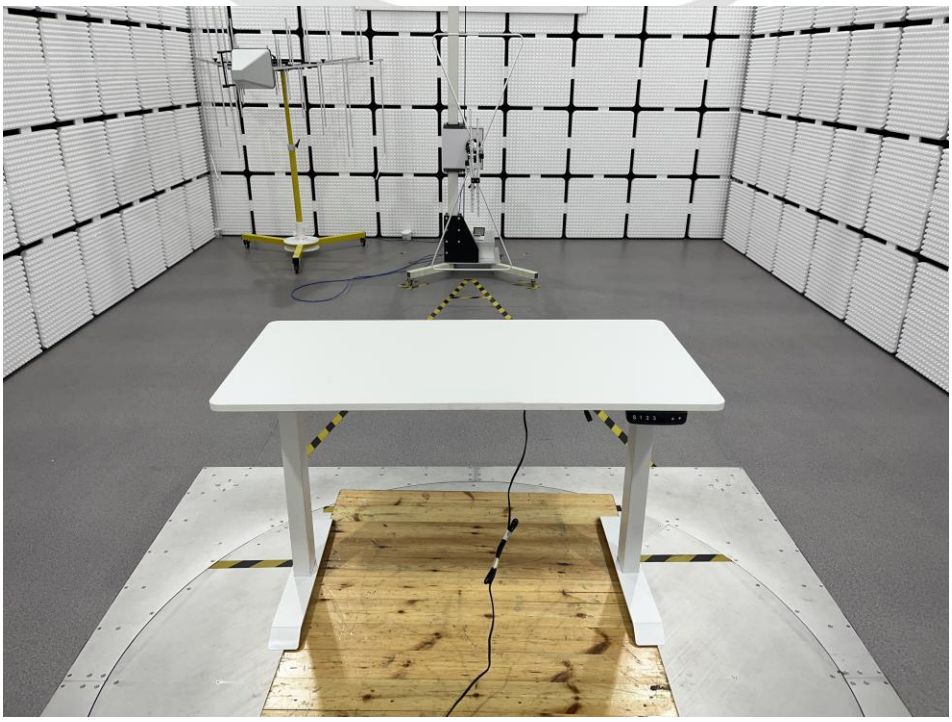


EUT Photo 9

EUT Photo 10

APPENDIX II -- EUT TEST PHOTOGRAPHS

EUT Photo CE



EUT Photo RE

※※※※※ END OF REPORT ※※※※※