



TEST REPORT

Reference No...... : WTH26H05139795E
Applicant..... : Shenzhen City Meilan Technology Co.,Ltd
Address..... : Room 501,Building 2,Jiangnan Handbag Products Industrial
Plant,No.20 Hongi Road,Longxin Community,Baolong Street,
Longgang Distrid, Shenzhen City
Manufacturer..... : Shenzhen City Meilan Technology Co.,Ltd
Address..... : Room 501,Building 2,Jiangnan Handbag Products Industrial
Plant,No.20 Hongi Road,Longxin Community,Baolong Street,
Longgang Distrid, Shenzhen City
Product Name..... : Cervical Spine Massager
Model No...... : F101
Test specification..... : FCC CFR 47 Part 15 Subpart B
Date of Receipt sample. : 2026-05-25
Date of Test..... : 2026-06-01 to 2026-06-03
Date of Issue..... : 2026-06-09
Test Report Form No..... : TRF FCC CFR 47 Part 15 Subpart B-EMC -001-V01
Test Result..... : **Pass**

Prepared By:

Waltek Testing Group HCT (Shenzhen) Co., Ltd.

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Prepared by:

Snow Zeng

Approved by:



Tony Wu



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1- GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Client Information

Applicant:	Shenzhen City Meilan Technology Co.,Ltd
Address of applicant:	Room 501,Building 2,Jiangnan Handbag Products Industrial Plant,No.20 Hongi Road,Longxin Community,Baolong Street, Longgang Distrid, Shenzhen City
Manufacturer:	Shenzhen City Meilan Technology Co.,Ltd
Address of manufacturer:	Room 501,Building 2,Jiangnan Handbag Products Industrial Plant,No.20 Hongi Road,Longxin Community,Baolong Street, Longgang Distrid, Shenzhen City

General Description of E.U.T

EUT Name:	Cervical Spine Massager
Trade Mark:	N/A
Model No.:	F101
Operating Mode:	Mode1: Charging mode Mode2: Working mode
Power Supply:	Input: DC 5V Battery: DC 3.7V
Product Class:	☐ Class A, apply to Class A limits ☒ Class B, apply to Class B limits

Remark:

* The test data gathered are from the production sample provided by the manufacturer.



1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with

FCC PART15 Subpart B

This test report based on the Electromagnetic Interference (EMI) tests performed on the EUT. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 2014 +A1: 2017.

The tests were performed in order to determine compliance with FCC Part 15, Subpart B, section 15.107 and section 15.109 rules.

The objective of the manufacturer is to demonstrate compliance with the described standards above.

1.3 Test Summary

Standard	Test Items	Status
FCC Part 15:2017 15.107	Conducted Emission (150KHz to 30MHz)	☒
FCC Part 15:2017 15.109	Radiation Emission (30MHz to 1000MHz)	☒
FCC Part 15:2017 15.109	Radiation Emission (1000MHz to 6000MHz)	☐ (1)

Note: ☒ Indicates that the test is applicable, ☐ Indicates that the test is not applicable

(1) The Highest Internal Frequency Source of EUT is less than 108MHz.

1.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4: 2014 +A1: 2017, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. Radiated testing was performed at an antenna to EUT distance 3 meters.

1.5 Test Facility

All measurement required was performed at Waltek Testing Group HCT (Shenzhen) Co., Ltd. at Building B, Tianji Industrial Park, 1/F. & 2/F. & 3/F., No.30-9, Laiyin Road, Xinsheng Community, Longgang Subdistrict, Longgang District, Shenzhen, Guangdong, China

1.6 Version

Report No	Date of Issue	Description	Approved
WTH26H05139795E	2026-06-09	Original	Valid



2- SYSTEM TEST CONFIGURATION

2.1 Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

2.2 EUT Exercise Software

The EUT exercising program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software offered by manufacture, can let the EUT being normal operation.

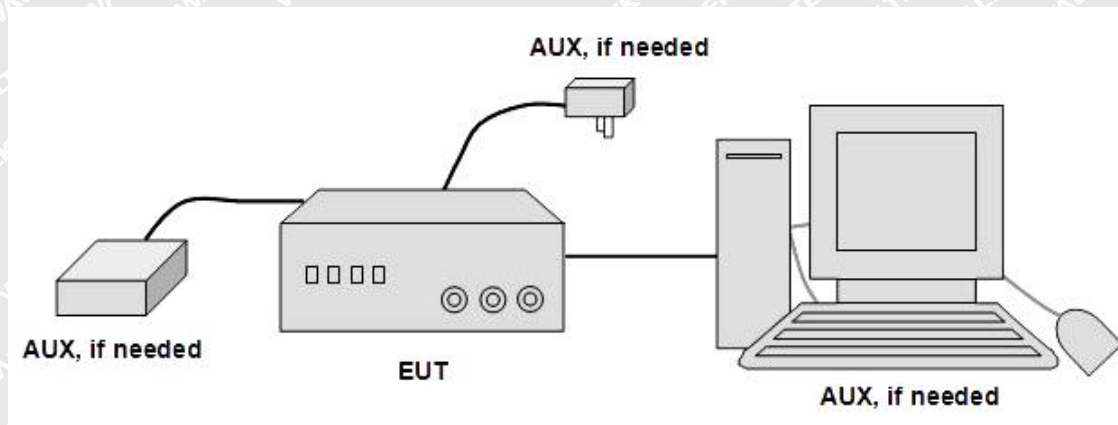
2.3 Equipment Modifications

The EUT tested was not modified by HCT.

2.4 Basic Configuration of Test System and General Test Procedures

Conducted Emissions: The EUT is placed on the table, which is 0.8 m above ground plane. According to the requirements in Section 7.1 of ANSI C63.4: 2014 +A1: 2017. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak detector mode.

Radiated Emissions: The EUT is a placed on as turntable, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4: 2014 +A1: 2017.





2.5 General Description of Test Auxiliary

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/
/	/	/	/

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Adapter	HUAWEI	050200C01	/
/	/	/	/

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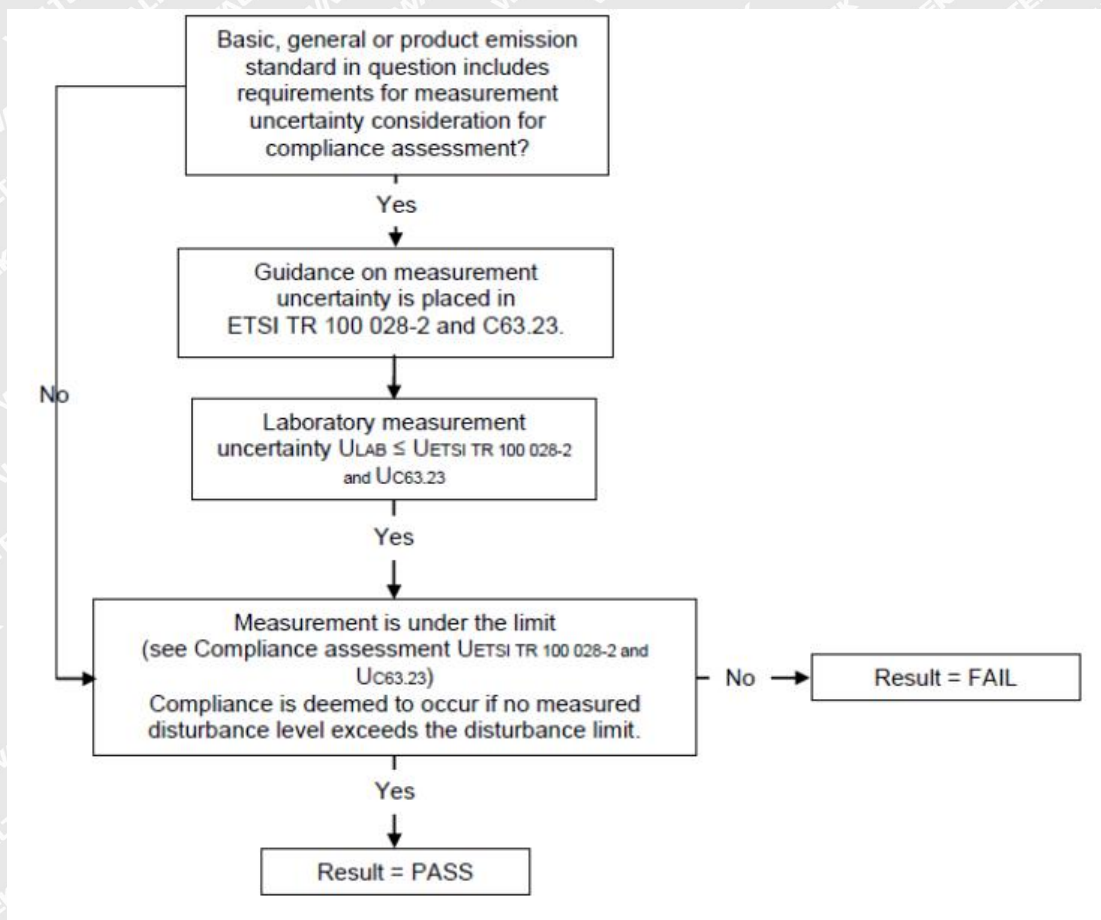


2.6 Application of decision rule

Application of decision rule and statement of conformity is defined in document CNAS-GL015 Decision rule and measurement uncertainty.

As a general rule Pass/Fail decisions are based on simple acceptance rule and acceptance limits chosen based on simple acceptance ($w = 0$, $AL = TL$) except if a decision rule is governed by particular standard or guidance document.

Decision rule:





3- CONDUCTED EMISSION

3.1 Measurement Uncertainty

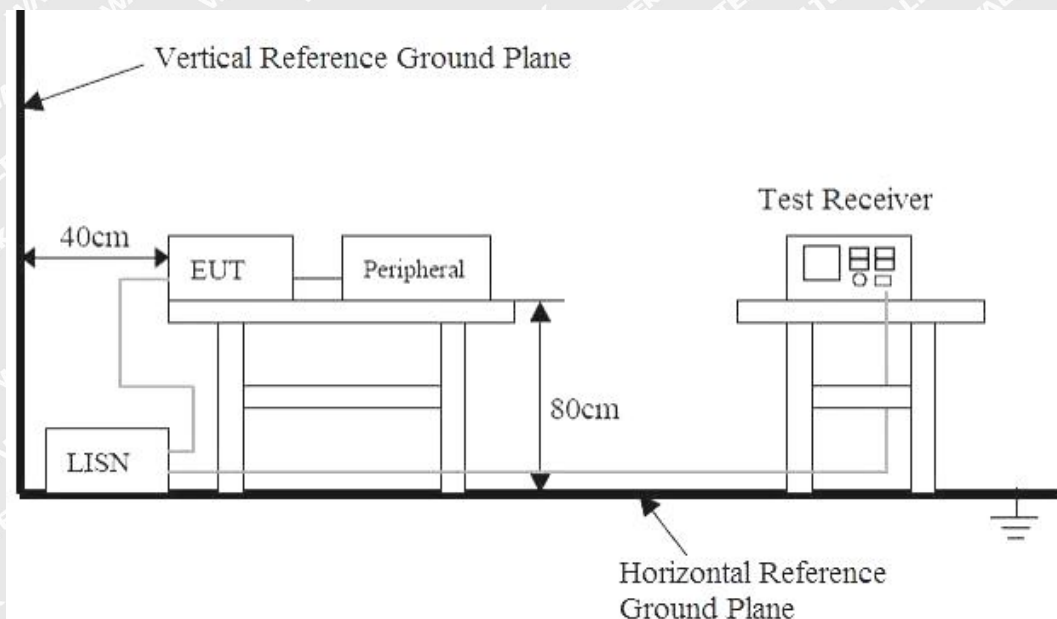
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN. The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is ± 2.7 dB.

3.2 Limit of Conducted Emission

Frequency Range (MHz)	Class B Equipment Limits	
	Quasi-Peak (dBuV)	Average (dBuV)
0.150~0.500	66~56	56~46
0.500~5.000	56	46
5.000~30.00	60	50

NOTE 1: The tighter limit shall apply at the edge between two frequency bands.

3.3 EUT Setup



The setup of EUT is according with ANSI C63.4: 2014 +A1: 2017 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B Section 15.107 Class B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.



3.4 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....150 KHz to 30 MHz
 Detector.....Peak & Quasi-Peak & Average
 Sweep Speed.....Auto
 IF Band Width.....9 KHz

3.5 Test Procedure

1. During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.
2. Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.
3. All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "QP". Average readings are distinguished with a "AV".

3.6 Test Equipment List and Details

No.	Instrument no.	Equipment	Manufacturer	Model No.	S/N	Last Calculator	Due Calculator
1	WTHE1004A1-003	EMI Test Receiver	R&S	ESCI 3	100687	2025-12-12	2026-12-11
2	WTHE1011A1-001	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	8128249	2025-12-11	2026-12-10
3	WTHE1090A1-001	10dB attenuator	Narda	10dB,5W	/	2025-12-12	2026-12-11
Software List							
Description		Manufacturer		Model		Version	
Test Software		Farad		EZ-EMC		EMEC-3A1	
*Remark: indicates software version used in the compliance certification testing							



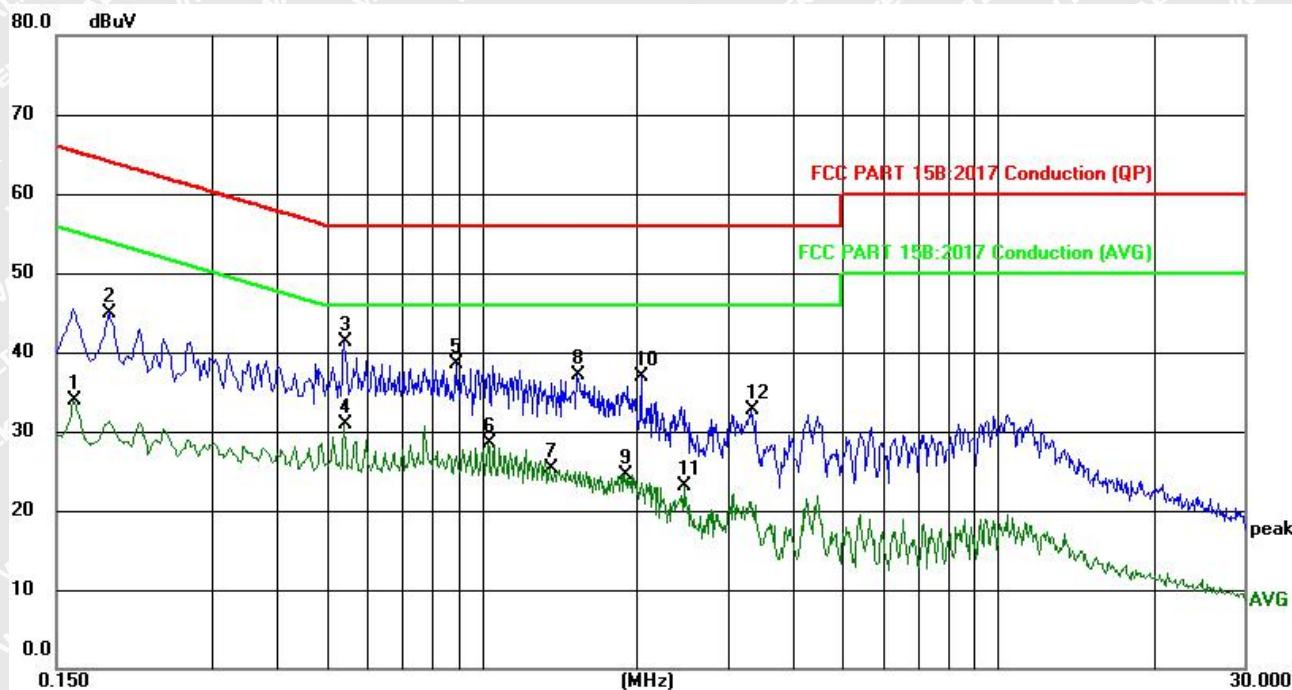
3.7 Test Data

Temperature:	24 (°C)
Humidity:	55 (%RH)
Atmospheric pressure:	101 (kPa)
Operating Mode:	Mode1
Test Result:	Pass

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**Conducted Emission Test**

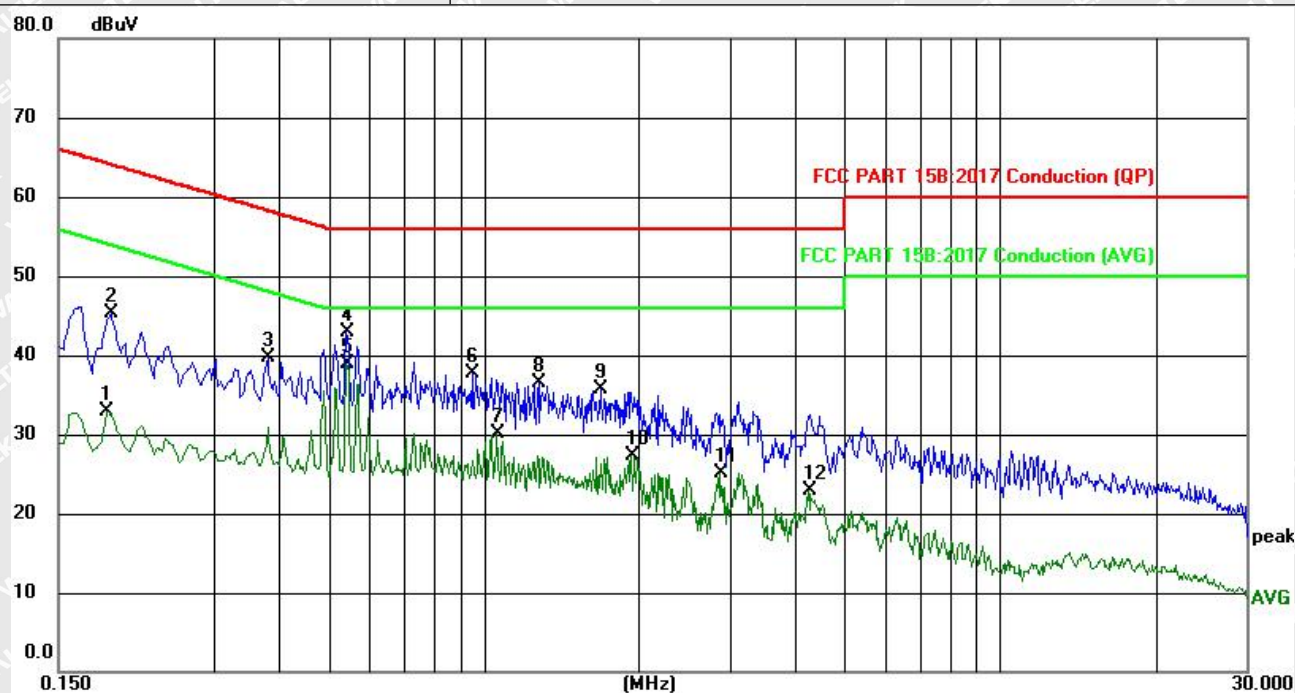
EUT:	Cervical Spine Massager
M/N:	F101
Operating Mode:	Mode1
Test Site:	Shielded Room
Test Voltage:	DC 5V from Adapter input AC 120V/60Hz
Comment:	Live Line



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1620	24.32	9.57	33.89	55.36	-21.47	AVG	
2	0.1900	35.42	9.58	45.00	64.04	-19.04	QP	
3 *	0.5420	31.60	9.77	41.37	56.00	-14.63	QP	
4	0.5420	21.05	9.77	30.82	46.00	-15.18	AVG	
5	0.8940	28.49	10.02	38.51	56.00	-17.49	QP	
6	1.0300	18.34	10.08	28.42	46.00	-17.58	AVG	
7	1.3580	15.20	10.08	25.28	46.00	-20.72	AVG	
8	1.5339	26.98	10.10	37.08	56.00	-18.92	QP	
9	1.8940	14.47	10.11	24.58	46.00	-21.42	AVG	
10	2.0340	26.76	10.11	36.87	56.00	-19.13	QP	
11	2.4620	12.91	10.17	23.08	46.00	-22.92	AVG	
12	3.3300	22.38	10.27	32.65	56.00	-23.35	QP	

**Conducted Emission Test**

EUT:	Cervical Spine Massager
M/N:	F101
Operating Mode:	Mode1
Test Site:	Shielded Room
Test Voltage:	DC 5V from Adapter input AC 120V/60Hz
Comment:	Neutral Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1860	23.30	9.57	32.87	54.21	-21.34	AVG	
2		0.1900	35.69	9.57	45.26	64.04	-18.78	QP	
3		0.3820	30.04	9.69	39.73	58.24	-18.51	QP	
4		0.5420	33.15	9.77	42.92	56.00	-13.08	QP	
5	*	0.5420	29.14	9.77	38.91	46.00	-7.09	AVG	
6		0.9500	27.69	10.05	37.74	56.00	-18.26	QP	
7		1.0620	20.05	10.09	30.14	46.00	-15.86	AVG	
8		1.2780	26.38	10.11	36.49	56.00	-19.51	QP	
9		1.6860	25.62	10.17	35.79	56.00	-20.21	QP	
10		1.9300	17.10	10.20	27.30	46.00	-18.70	AVG	
11		2.8820	14.92	10.23	25.15	46.00	-20.85	AVG	
12		4.2619	12.60	10.23	22.83	46.00	-23.17	AVG	



4- RADIATED EMISSION

4.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is ± 4.5 dB.

4.2 Limit of Radiated Emission

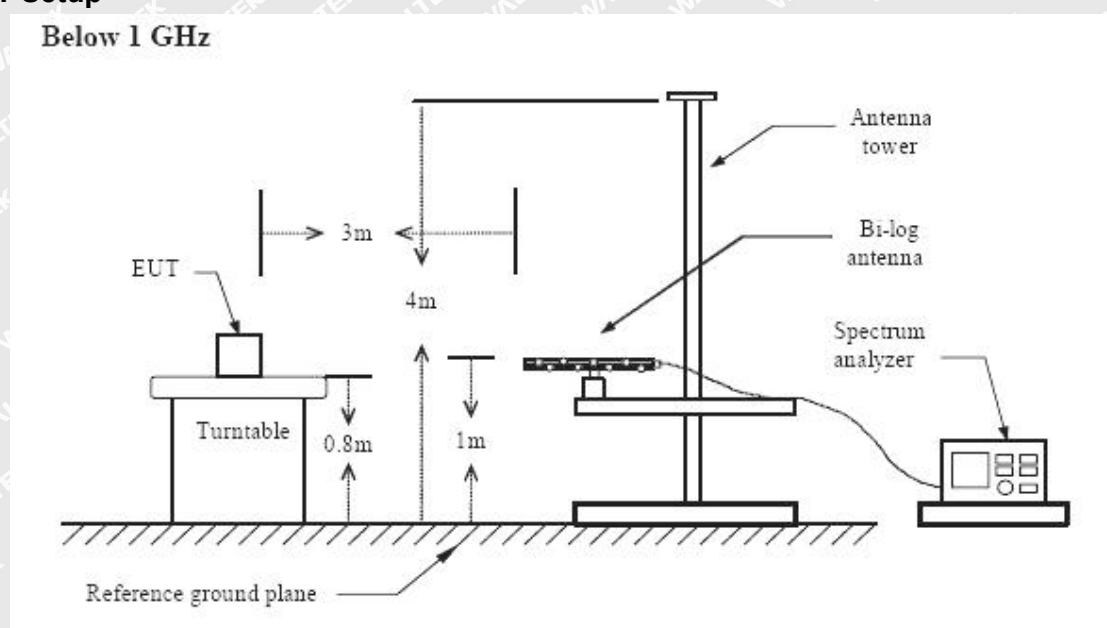
Below 1GHz Class B Equipment Limits		
Frequency (MHz)	Distance (Meters)	Quasi-Peak (dB μ V/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

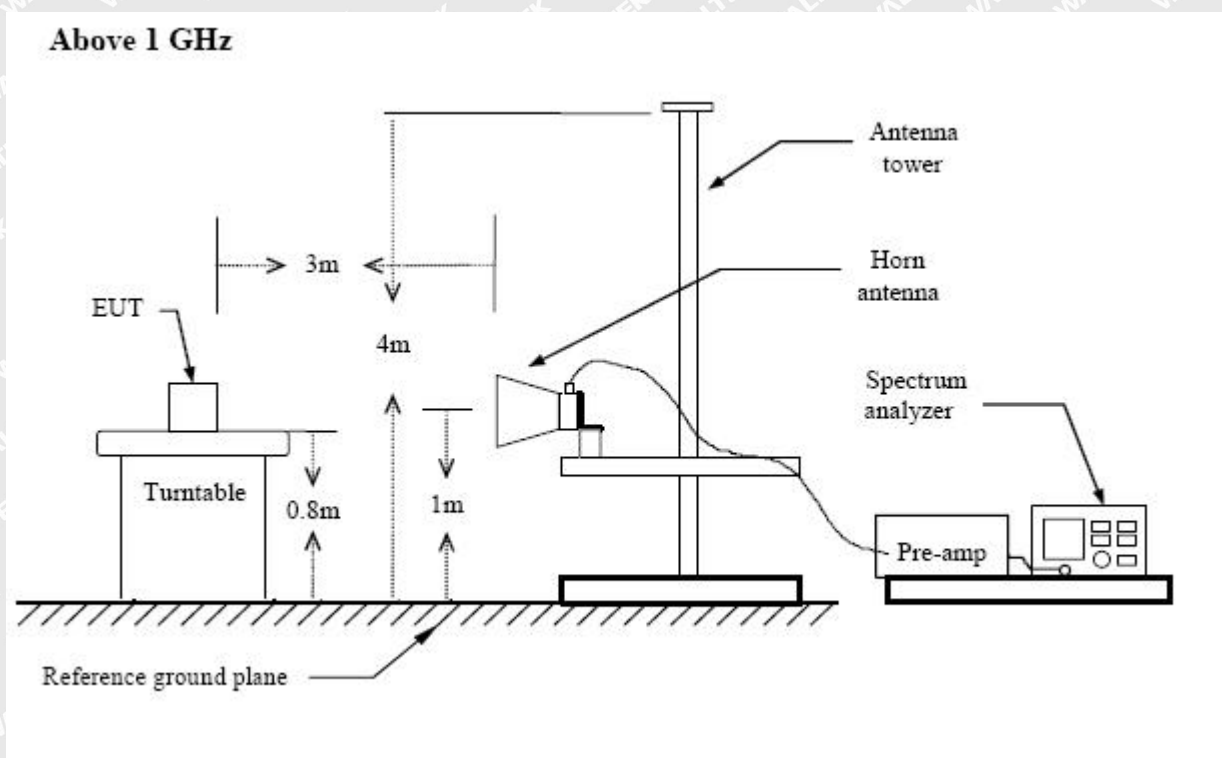
NOTE 1 The lower limit shall apply at the transition frequency.

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

Above 1GHz Class B Equipment Limits			
Frequency (MHz)	Distance (Meters)	Field Strengths Limits AV(dB μ V/m)	Field Strengths Limits Peak (dB μ V/m)
1000~6000	3	54	74

4.3 EUT Setup





The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4: 2014 +A1: 2017. The specification used was the FCC Part 15 Subpart A Section 15.109 limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

4.4 Test Receiver Setup

The test receiver was set with the following configurations:

Test Receiver Setting below 1000MHz:

Detector.....	Peak & Quasi-Peak
IF Band Width.....	120KHz
Frequency Range.....	30MHz to 1000MHz
Turntable Rotated.....	0 to 360 degrees

Test Receiver Setting above 1000MHz:

Detector.....	Peak & Average
IF Band Width.....	1MHz
Frequency Range.....	1000MHz to 6000MHz
Turntable Rotated.....	0 to 360 degrees

Antenna Position:

Height.....	1m to 4m
Polarity.....	Horizontal and Vertical



4.5 Test Procedure

1. Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.
2. All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB μ V of specification limits), and are distinguished with a "QP" in the data table.

4.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB μ V means the emission is 7dB μ V below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Limit – Corr. Ampl.

4.7 Test Equipment List and Details

No.	Instrument no.	Equipment	Manufacturer	Model No.	S/N	Last Calculator	Due Calculator
1	WTHE1004A1-001	EMI Test Receiver	R&S	ESPI7	100097	2025-12-12	2026-12-11
2	WTHE1005A2-004	Broadband Logarithmic Period Antenna	SCHWARZBECK	VULB 9162	280	2026-02-08	2027-02-07
3	WTHE1006A1-002	Preamplifier	Agilent	8447D	1937A02492	2025-12-12	2026-12-11
Software List							
Description		Manufacturer		Model		Version	
Test Software		Farad		EZ-EMC		EMEC-3A1	
*Remark: indicates software version used in the compliance certification testing							



4.8 Test Data

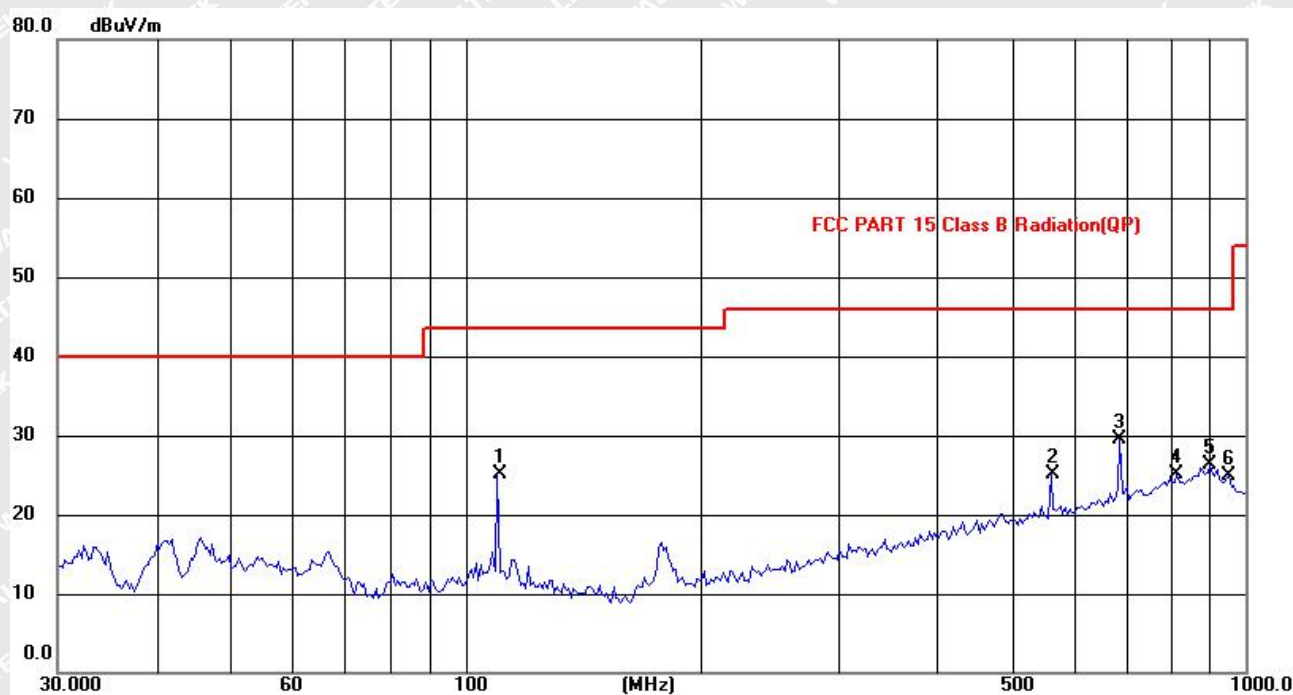
Temperature:	24 (°C)
Humidity:	55 (%RH)
Atmospheric pressure:	101 (kPa)
Operating Mode:	Mode1/Mode2
Test Result:	Pass

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Radiated Emission Test Data of Below 1GHz

EUT:	Cervical Spine Massager
M/N:	F101
Operating Mode:	Mode1
Test Site:	3m CHAMBER
Test Voltage:	DC 5V from Adapter input AC 120V/60Hz
Comment:	Polarization: Vertical

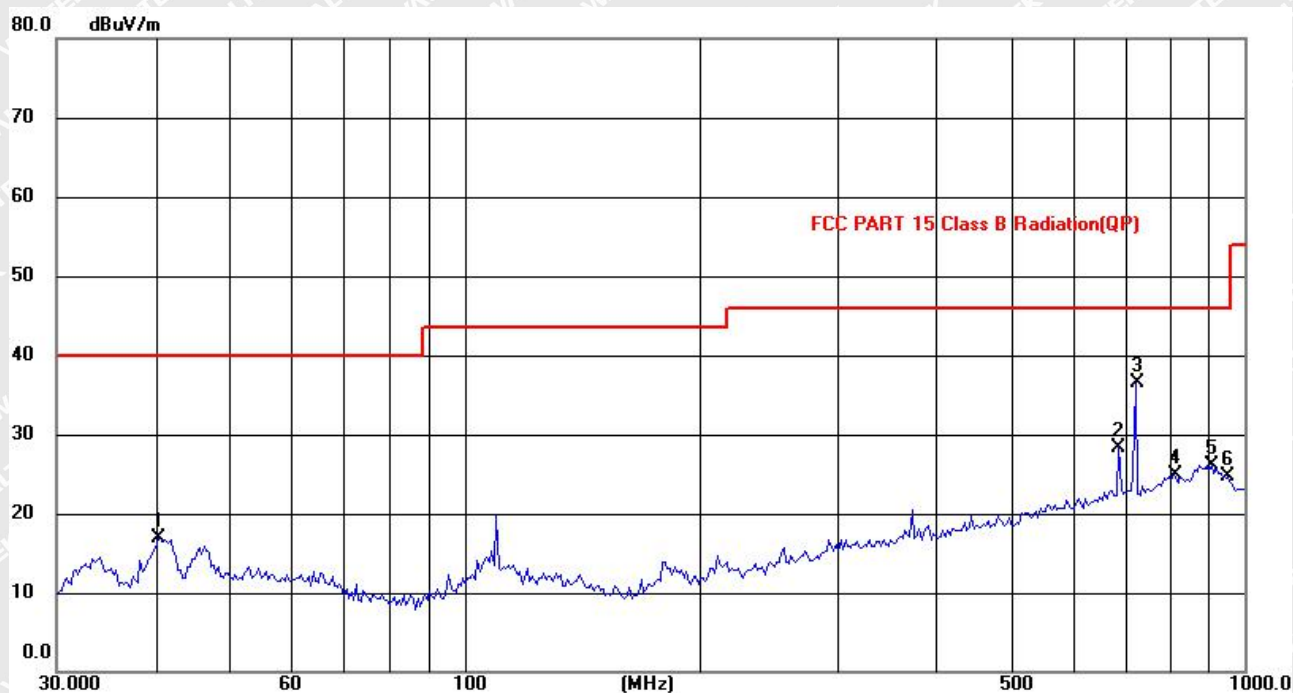


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Detector	Comment
1	109.7960	40.02	-14.90	25.12	43.50	-18.38	QP			
2	562.6624	31.10	-6.05	25.05	46.00	-20.95	QP			
3 *	689.5644	33.19	-3.67	29.52	46.00	-16.48	QP			
4	815.9678	27.04	-1.95	25.09	46.00	-20.91	QP			
5	900.1474	26.59	-0.27	26.32	46.00	-19.68	QP			
6	952.0937	26.61	-1.61	25.00	46.00	-21.00	QP			



Radiated Emission Test Data of Below 1GHz

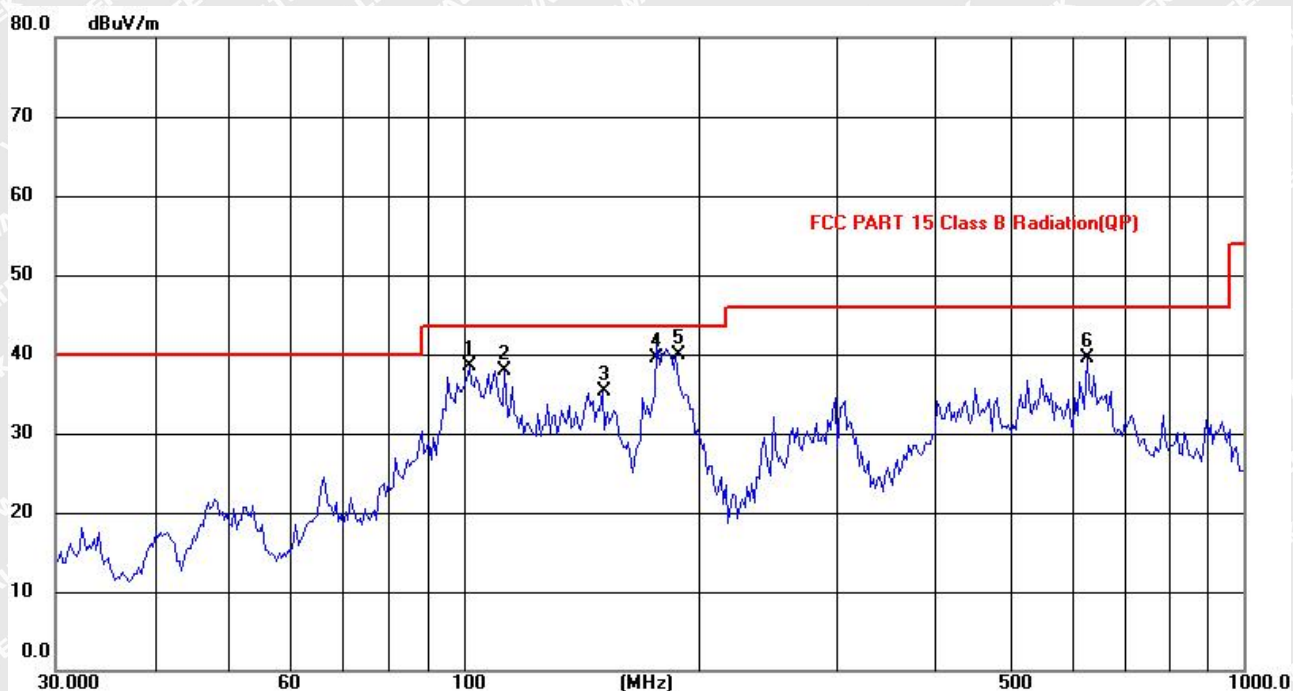
EUT:	Cervical Spine Massager
M/N:	F101
Operating Mode:	Mode1
Test Site:	3m CHAMBER
Test Voltage:	DC 5V from Adapter input AC 120V/60Hz
Comment:	Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		40.5591	31.44	-14.62	16.82	40.00	-23.18	QP		
2		689.5644	32.07	-3.67	28.40	46.00	-17.60	QP		
3	*	724.2611	39.65	-3.07	36.58	46.00	-9.42	QP		
4		810.2654	26.97	-2.04	24.93	46.00	-21.07	QP		
5		906.4824	26.31	-0.19	26.12	46.00	-19.88	QP		
6		952.0937	24.67	0.06	24.73	46.00	-21.27	QP		

**Radiated Emission Test Data of Below 1GHz**

EUT:	Cervical Spine Massager
M/N:	F101
Operating Mode:	Mode2
Test Site:	3m CHAMBER
Test Voltage:	DC 3.7V
Comment:	Polarization: Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1	101.6443	53.57	-15.12	38.45	43.50	-5.05			QP	
2	112.9196	53.05	-15.14	37.91	43.50	-5.59			QP	
3	150.5378	52.61	-17.40	35.21	43.50	-8.29			QP	
4	176.8878	55.56	-15.96	39.60	43.50	-3.90			QP	
5 *	187.0958	55.12	-15.16	39.96	43.50	-3.54			QP	
6	629.4772	44.24	-4.70	39.54	46.00	-6.46			QP	



Radiated Emission Test Data of Below 1GHz

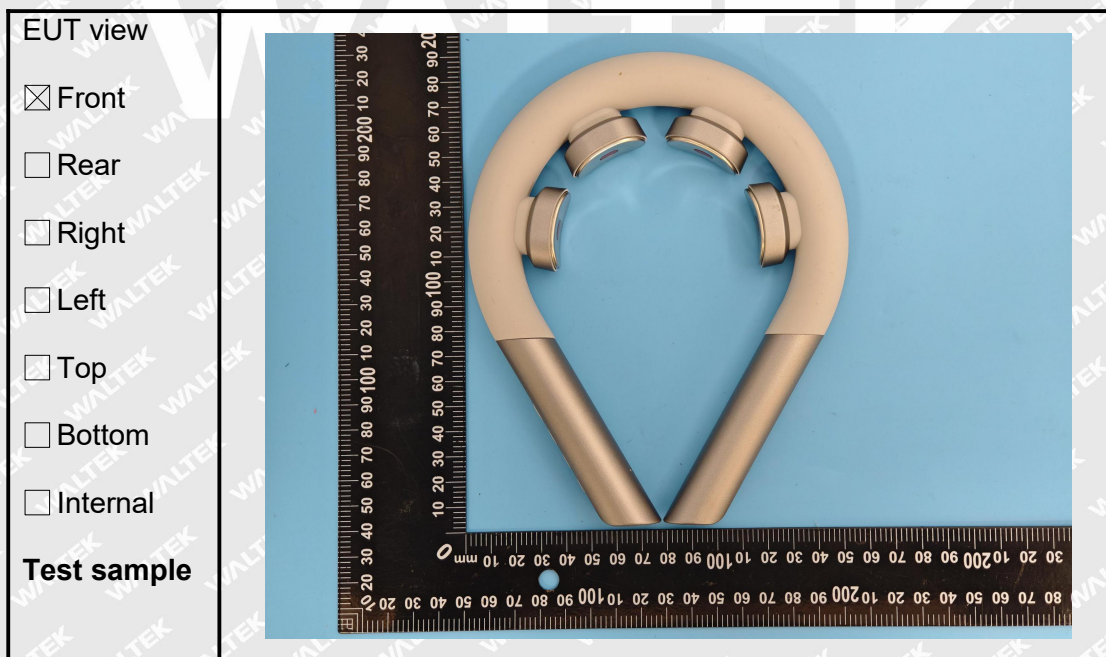
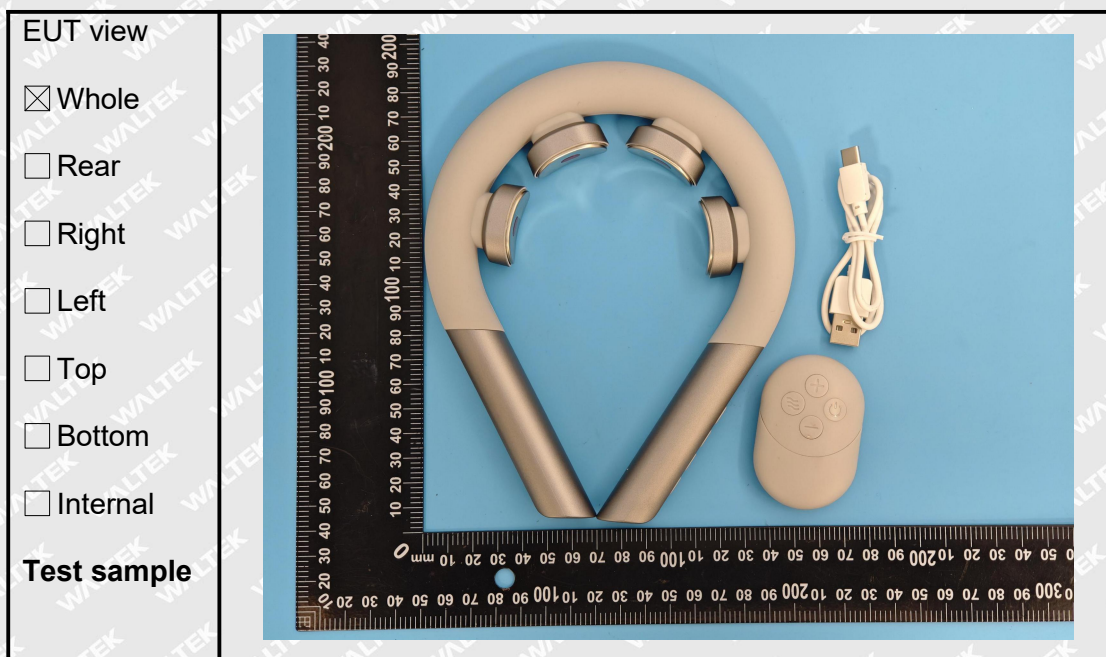
EUT:	Cervical Spine Massager
M/N:	F101
Operating Mode:	Mode2
Test Site:	3m CHAMBER
Test Voltage:	DC 3.7V
Comment:	Polarization: Horizontal

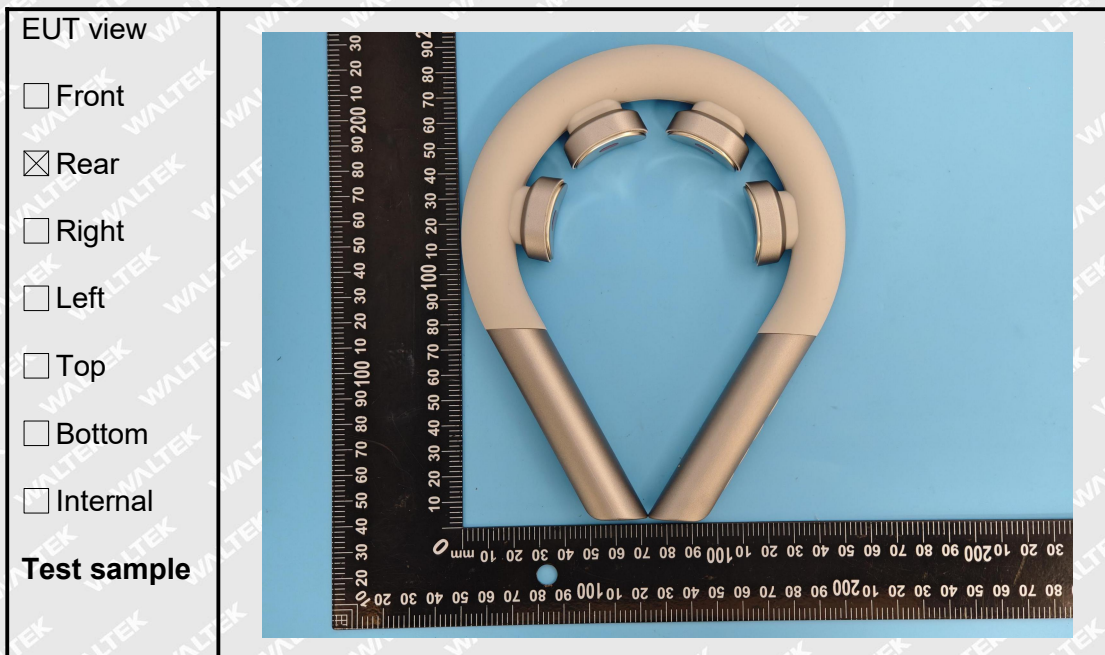


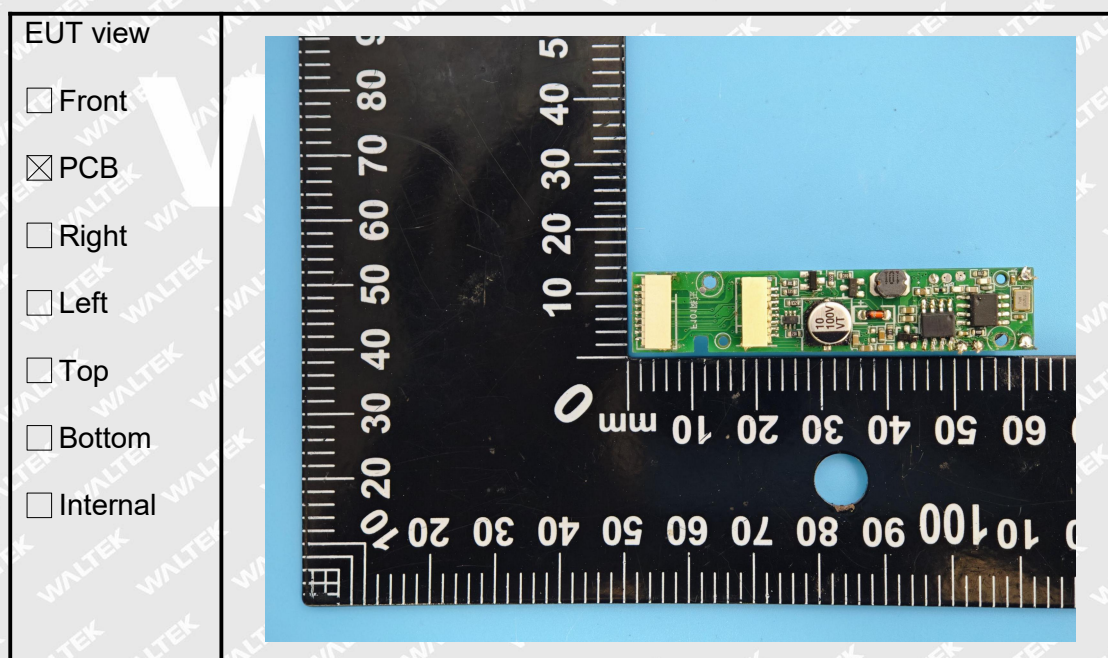
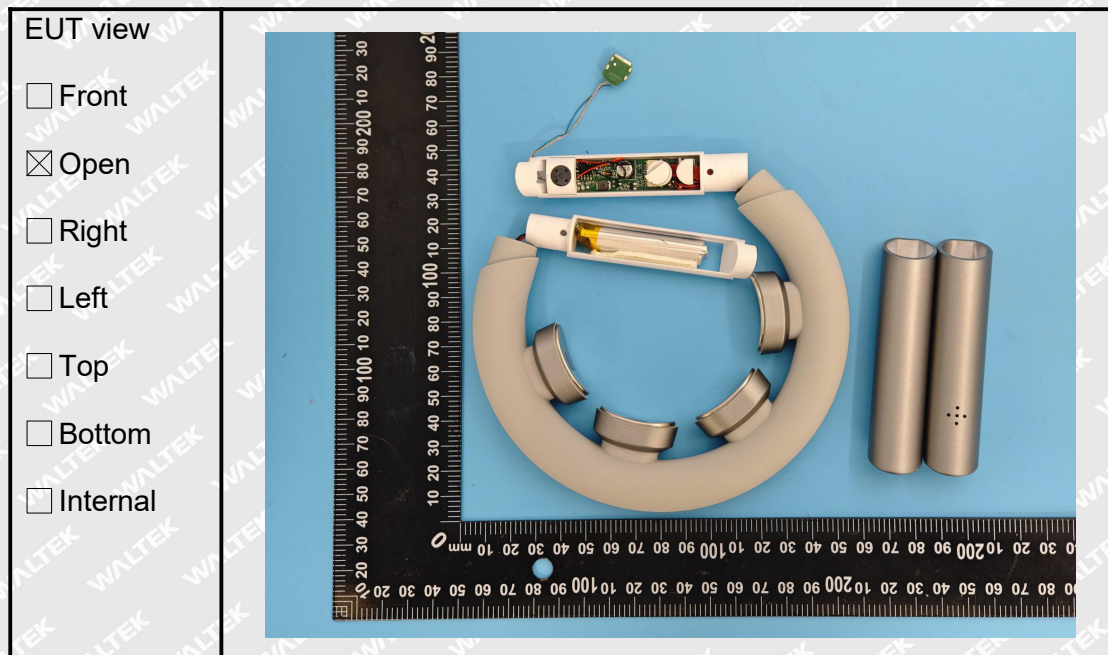
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1		175.6516	55.17	-16.01	39.16	43.50	-4.34			QP	
2		183.2005	54.82	-15.52	39.30	43.50	-4.20			QP	
3		187.0958	54.96	-15.16	39.80	43.50	-3.70			QP	
4	*	309.9977	54.00	-11.20	42.80	46.00	-3.20			QP	
5		900.1474	42.12	-0.27	41.85	46.00	-4.15			QP	
6		932.2715	42.14	-0.03	42.11	46.00	-3.89			QP	

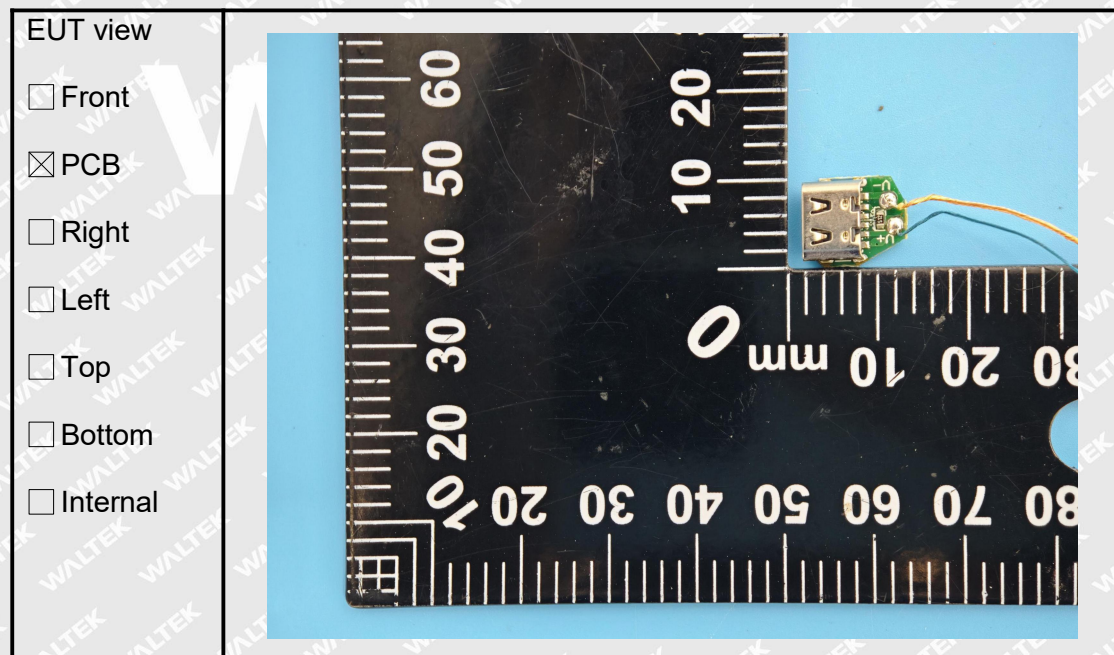
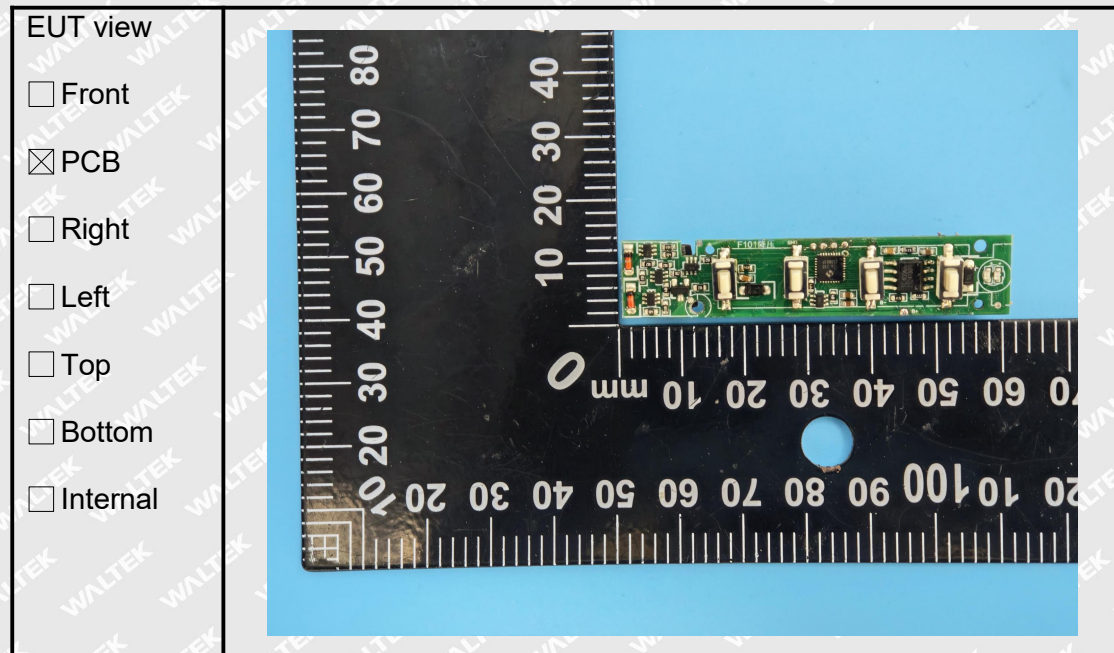


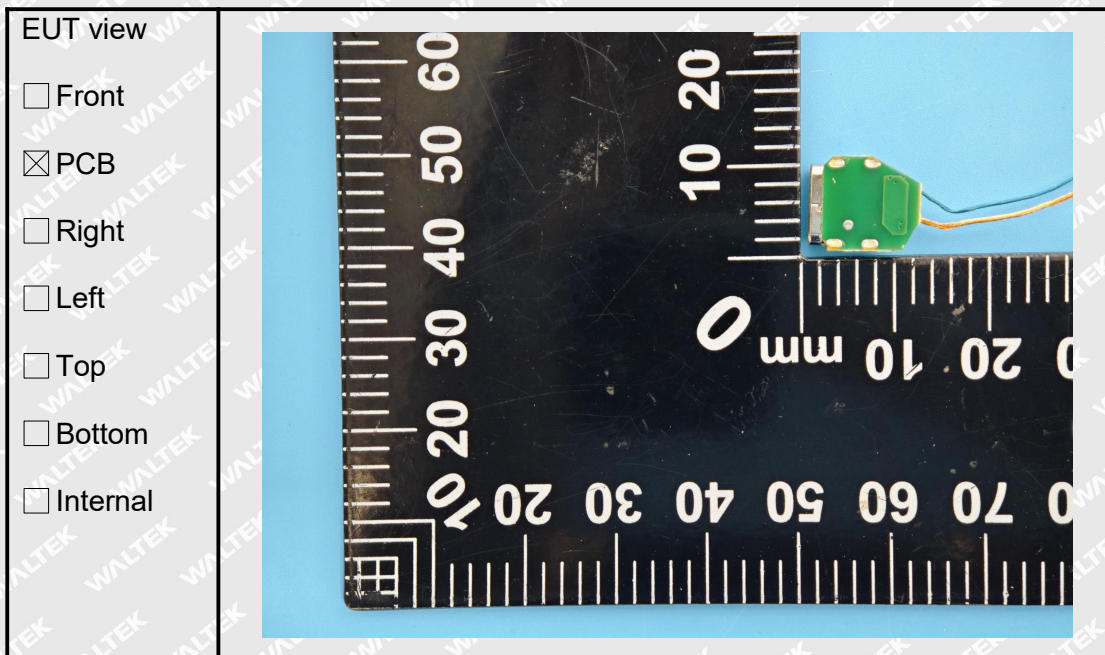
APPENDIX A - EUT PHOTOGRAPHS











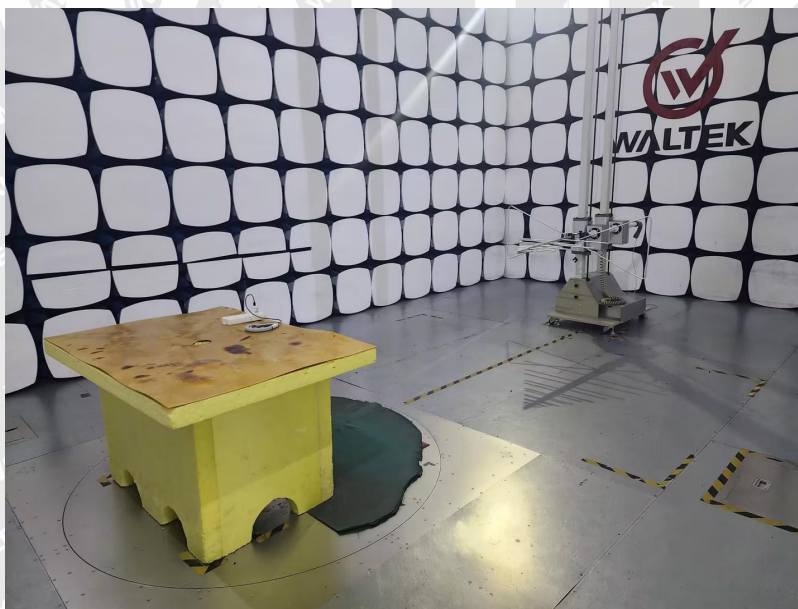


APPENDIX B - TEST SETUP PHOTOGRAPHS

Conducted Disturbance at The Mains Terminals



Radiated Disturbance of Below 1G



**(Statement):**

- 1.This report is considered invalid without approved signature and special seal;
- 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 HCT hasn't verified;
- 3.The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4.The result(s) in no CMA logo report shall only be used for client's scientific research, teaching, internal quality control, product research and development, etc. and just for internal reference, does not prove to society..
- 5.The “*” in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS accreditation.
- 6.Without written approval of HCT, this report can't be reproduced except in full.
- 7.For any claim of the report, just refer to the testing unit in 15 days, in case it is not in the above limited time, the claim shall be dismissed.
- 8.Calibration:
All instruments used in the tests given in this test report are calibrated and traceable to national or international standards.
Further information about traceability will be given on request.

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

WALTEK