



FCC AND ISCED CERTIFICATION TEST REPORT

Applicant	:	Nien Made Enterprise Co., Ltd.
Address of Applicant	:	26F.-1, No.98, Shizheng N.7th RD., Xitun Dist., Taichung City 407, Taiwan
Manufacturer	:	Nien Made Enterprise Co., Ltd.
Address of Manufacturer	:	26F.-1, No.98, Shizheng N.7th RD., Xitun Dist., Taichung City 407, Taiwan
Equipment under Test	:	Motorized SmartDrape (DC)
Model No.	:	MSD-B
FCC ID	:	Q3V-MSDB
IC	:	28542-MSDB
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, RSS-210 Issue 11 June 2024, ANSI C63.10:2013, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)
Report No.	:	DDT-RE24061232-2E03
Issue Date	:	2024/08/09
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Equipment under Test	:	Motorized SmartDrape (DC)
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Manufacturer	:	Nien Made Enterprise Co., Ltd.
Address of Manufacturer	:	26F.-1, No.98, Shizheng N.7th RD., Xitun Dist., Taichung City 407, Taiwan

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C,
RSS-210 Issue 11 June 2024,
ANSI C63.10:2013,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE24061232-2E03		
Date of Receipt:	2024/07/22	Date of Test:	2024/07/22~2024/08/09

Prepared By:

Johnson Huang

Johnson Huang/Engineer

Approved By:

Damon Hu

Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/08/09	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	20 dB Bandwidth	FCC Part 15: 15.215, RSS-210 Issue 10 February 2019 Amendment (April 2020)	/	Pass
2	99% Bandwidth	RSS-Gen Issue 5 clause 6.7	/	Pass
3	Radiated Emission	FCC Part 15: 15.209, FCC Part 15: 15.249, RSS-210 Issue 10 February 2019 Amendment (April 2020) RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
4	Band Edge Compliance	FCC Part 15: 15.205, FCC Part 15: 15.249, RSS-210 Issue 10 February 2019 Amendment (April 2020) RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
5	Antenna Requirement	FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8	/	Pass
6	Power Line Conducted Emissions	FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8	/	N/A

Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

2. General Test Information

2.1. Description of EUT

EUT Name	: Motorized SmartDrape (DC)
Model Number	: MSD-B
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC power by Type-C port or a battery

Note: This EUT support SRD

Radio Specification	: 2.4G SRD
Operation Frequency	: 2415 MHz-2459 MHz
Modulation	: GFSK

Antenna information	
Antenna Type	: PCB
Max Antenna Gain(dBi)	: 1.11

Channel	Frequency (MHz)
1	2415
2	2439
3	2459

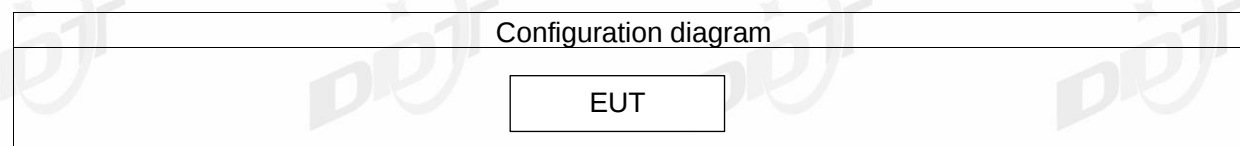
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: NA

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 0.5 dB (According to the manufacturer's claims)

Mode	Setting Tx Power	Channel	Frequency (MHz)
	Ant1		
GFSK TX	Default	CH1	2415
	Default	CH2	2439
	Default	CH3	2459
GFSK RX	/	CH1	2415
	/	CH2	2439
	/	CH3	2459

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2.8. Measurement uncertainty

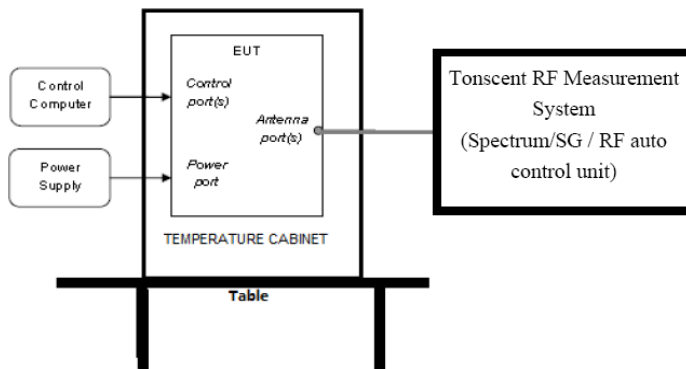
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method) 5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$) 1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V) 4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz) 4.40 dB (6 GHz - 18 GHz) 3.54 dB (18 GHz - 26 GHz) 4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz) 3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒ RF Connected Test (RF Measurement System 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2024/04/26
Wideband Radio Communication Tester	R&S	CMW500	120259	2024/07/14
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2024/04/26
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2024/04/26
RF Control Unit	Tonsend	JS0806-2	158060010	2024/04/26
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2024/05/14
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4. 20 dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, measure the 20 dB bandwidth of signal.

4.4. Test result

Test Mode	Antenna	Frequency [MHz]	20dB BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
SRD	Ant1	2415	1.13	2414.47	2415.60	0.5	PASS
SRD	Ant1	2439	1.13	2438.47	2439.61	0.5	PASS
SRD	Ant1	2459	1.13	2458.47	2459.60	0.5	PASS

SRD_Ant1_2415

Ref 20 dBm Att 20 dB BW 100 kHz VBW 300 kHz SWT 2.5 ms Marker 1 [T1] 2.415038462 GHz

20 Offset 1.5 dB

1.5 dB View

ndB [T1] 21.00 dB
BW 1.12820128 MHz
Temp 1 [T1] ndB
-1.10 dBm
2.41447359 GHz
-1.14 dBm
2.41560564 GHz

10
0
-10
-20
-30
-40
-50
-60
-70
-80

Center 2.415 GHz 400 kHz/ Span 4 MHz

Date: 1.AUG.2024 17:34:18

SRD_Ant1_2439

Ref 20 dBm Att 20 dB BW 100 kHz VBW 300 kHz SWT 2.5 ms Marker 1 [T1] 2.439038462 GHz

20 Offset 1.5 dB

1.5 dB View

ndB [T1] 21.00 dB
BW 1.13461385 MHz
Temp 1 [T1] ndB
-1.33 dBm
2.43847359 GHz
-1.38 dBm
2.43960974 GHz

10
0
-10
-20
-30
-40
-50
-60
-70
-80

Center 2.439 GHz 400 kHz/ Span 4 MHz

Date: 1.AUG.2024 17:41:06

SRD_Ant1_2459

Ref 20 dBm Att 20 dB BW 100 kHz VBW 300 kHz SWT 2.5 ms Marker 1 [T1] 2.459038462 GHz

20 Offset 1.5 dB

1.5 dB View

ndB [T1] 21.00 dB
BW 1.12820128 MHz
Temp 1 [T1] ndB
-1.83 dBm
2.45847359 GHz
-1.41 dBm
2.45960564 GHz

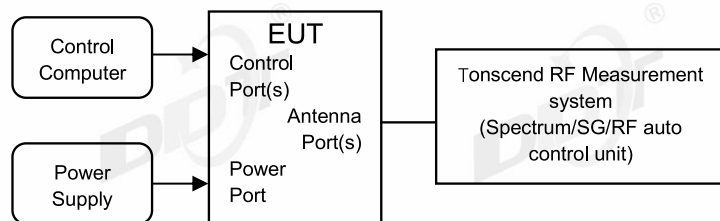
10
0
-10
-20
-30
-40
-50
-60
-70
-80

Center 2.459 GHz 400 kHz/ Span 4 MHz

Date: 1.AUG.2024 17:46:11

5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

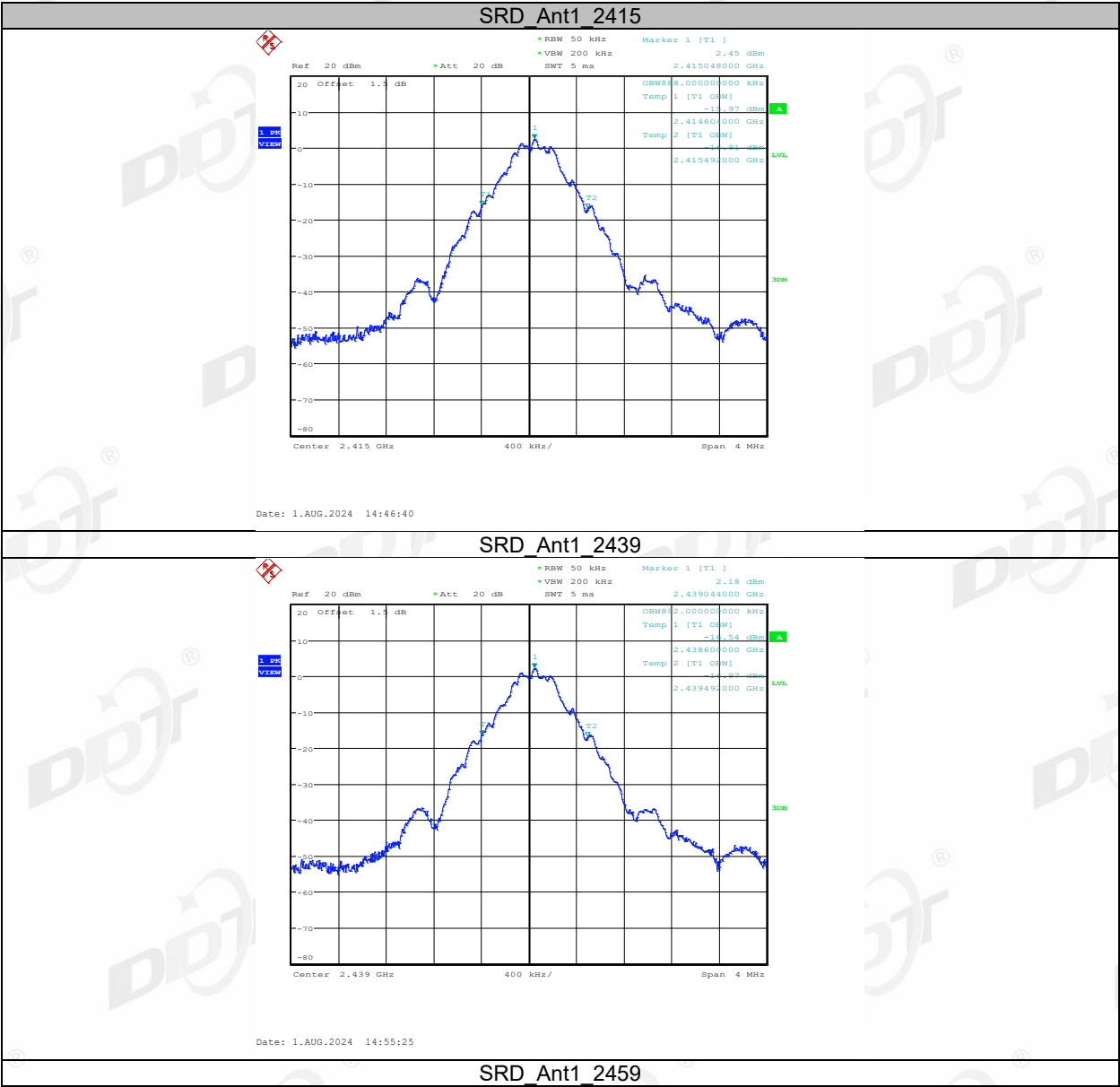
- (1) The test according to ANSI C63.10-2013 clause 6.9.3.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for the 99% Bandwidth:

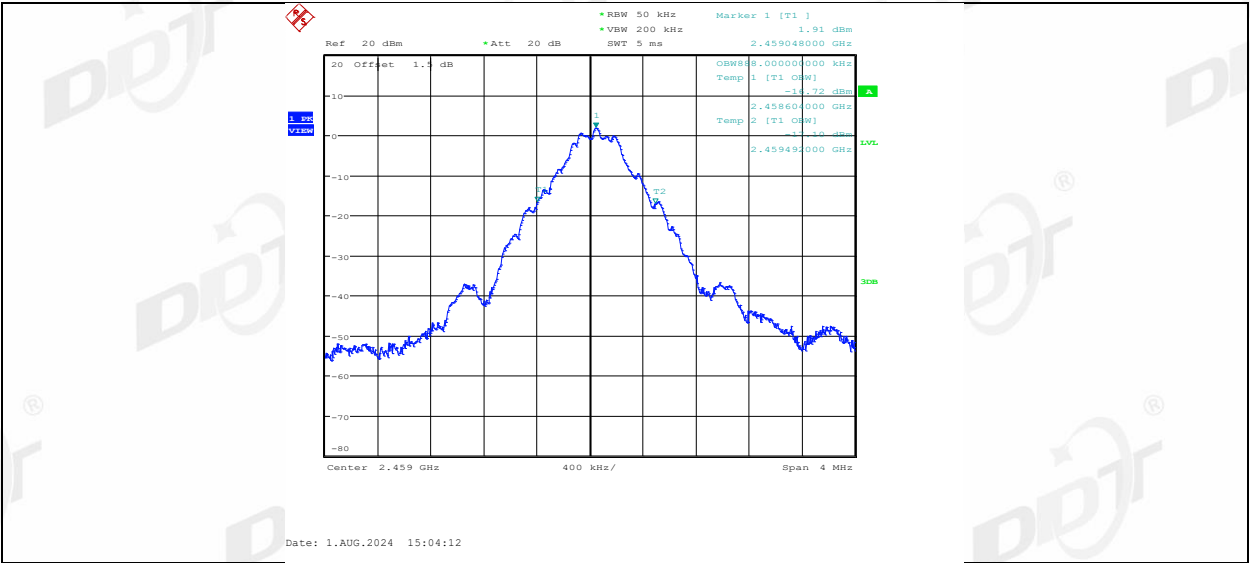
RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 1.5 times and 5.0 times the OBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (5) Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

5.4. Test result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2415	0.888	2414.6040	2415.4920	---	---
		2439	0.892	2438.6000	2439.4920	---	---
		2459	0.888	2458.6040	2459.4920	---	---

5.5. Test graphs





6. Antenna Requirements

6.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

6.2. Result

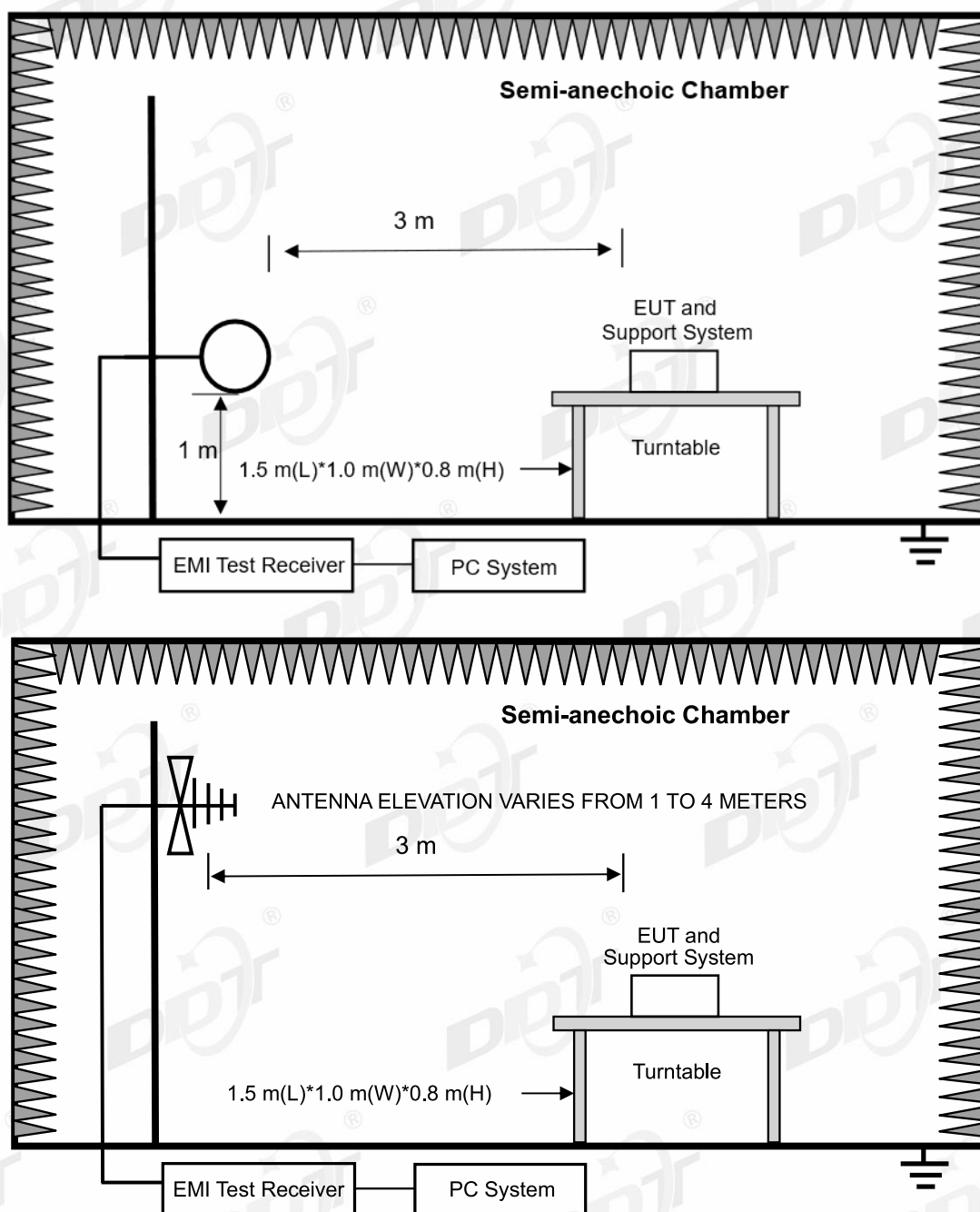
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

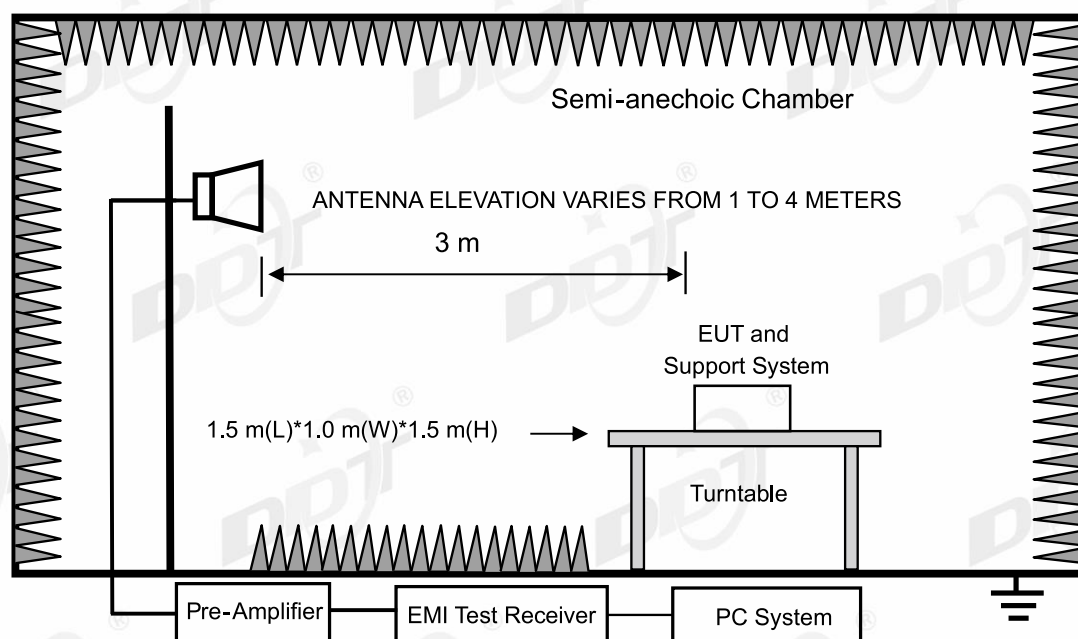
7. Radiated Emission

7.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2025/09/18
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ- 1.5M	DDT-ZC02762	2025/03/31
RF cable	Yuhu Technology	ZT26S-SMAJ- SMAJ-1M	DDT-ZC02037	2025/03/31
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/07/08
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11
RF cable	Yuhu Technology	JCTB810-NJ-NJ- 9M	DDT-ZC02538	2025/03/31
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26

7.2. Block diagram of test setup





7.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

²Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz			DISTANCE Meters	FIELD STRENGTHS LIMIT	
				mV/m	dB(mV)/m
0.009 ~ 0.490			300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705			30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0			30	30	29.54
30	~	88	3	100	40.0
88	~	216	3	150	43.5
216	~	960	3	200	46.0
960	~	1000	3	500	54.0
Above		1000	3	74.0 dB(mV)/m (Peak) 54.0 dB(mV)/m (Average)	

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dBuV/m}) = \text{Limit}_{30\text{m}}(\text{dBuV/m}) + 40\log(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

7.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

7.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT through three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

7.6. Test result

PASS. (See below detailed test result)

7.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-03

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

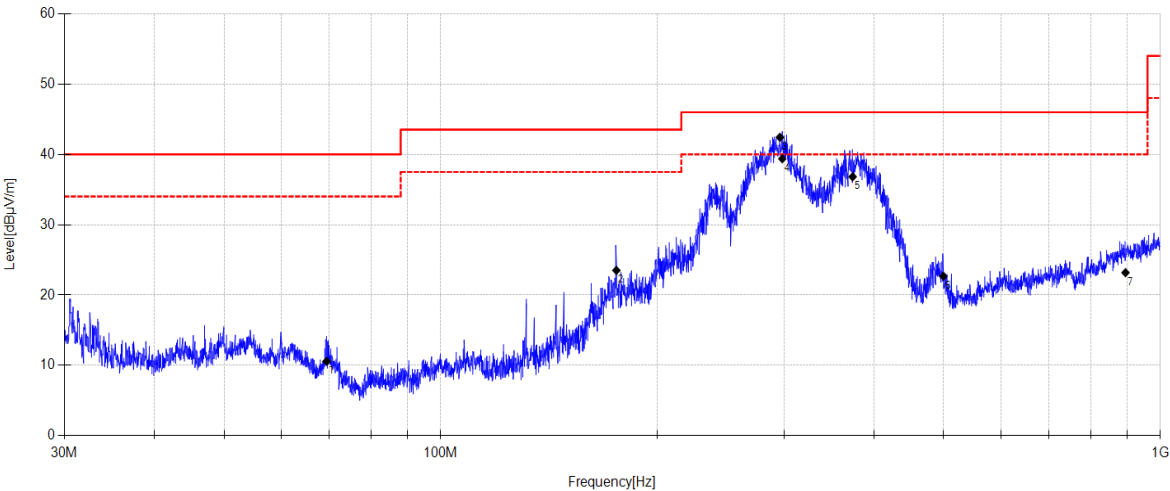
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S24061232-015 Power Setting:NA



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	69.443	26.94	10.19	4.02	-30.57	10.58	40.00	29.42	QP	Horizontal
2	175.466	40.07	9.48	4.63	-30.67	23.51	43.50	19.99	QP	Horizontal
3	296.009	54.14	13.37	5.21	-30.30	42.42	46.00	3.58	QP	Horizontal
4	298.340	51.09	13.37	5.21	-30.30	39.37	46.00	6.63	QP	Horizontal
5	373.647	45.95	15.51	5.51	-30.15	36.82	46.00	9.18	QP	Horizontal
6	499.494	29.53	17.05	6.00	-29.90	22.68	46.00	23.32	QP	Horizontal
7	894.504	23.81	21.24	7.19	-29.05	23.19	46.00	22.81	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-03

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

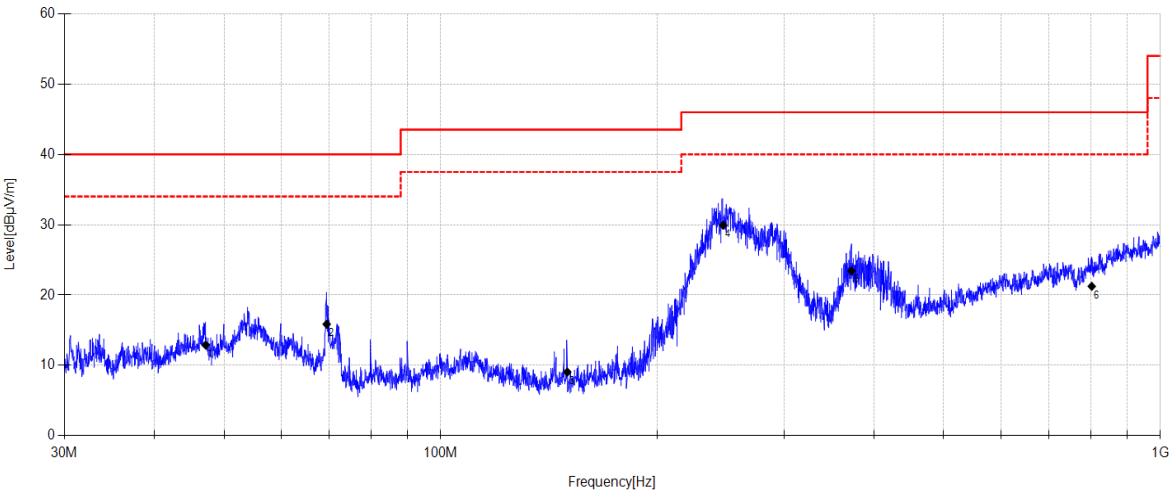
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Memo:

Sample Number:S24061232-015 Power Setting:NA



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	47.156	26.92	12.86	3.86	-30.74	12.90	40.00	27.10	QP	Vertical
2	69.443	32.22	10.19	4.02	-30.57	15.86	40.00	24.14	QP	Vertical
3	149.963	27.2	8.12	4.49	-30.75	9.06	43.50	34.44	QP	Vertical
4	246.884	43.82	11.58	4.98	-30.46	29.92	46.00	16.08	QP	Vertical
5	372.339	32.49	15.61	5.51	-30.16	23.45	46.00	22.55	QP	Vertical
6	802.947	24.39	19.76	6.96	-29.87	21.24	46.00	24.76	QP	Vertical

Note:

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-01

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD 2415MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

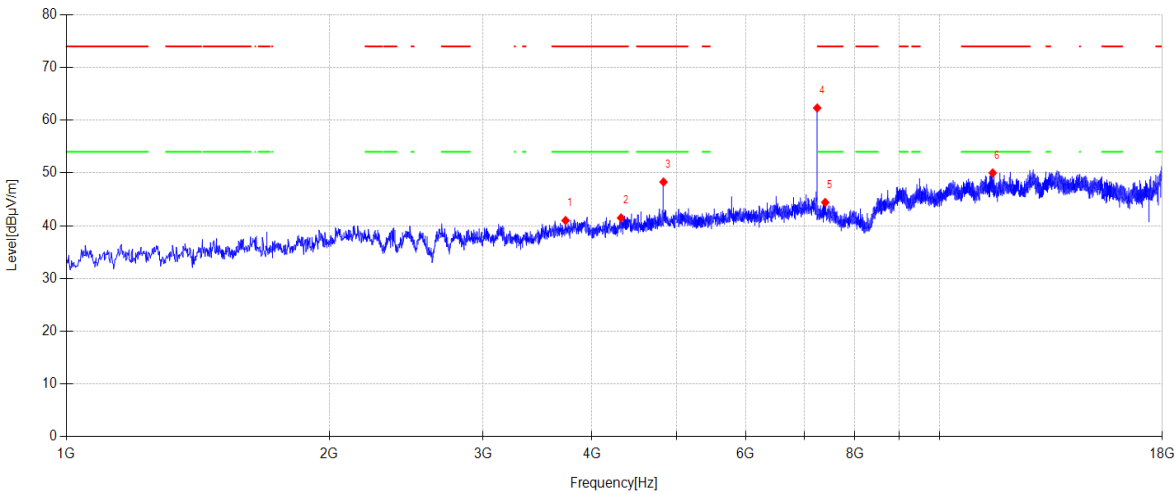
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d:\ts\2024 report data\Q24061232-2E\FCC ABOVE1G\1

Memo:

Sample Number:S24061232-002 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3730.200	45.72	30.46	5.10	-40.29	40.99	74.00	33.01	PK	Horizontal
2	4318.400	44.97	31.60	5.24	-40.33	41.48	74.00	32.52	PK	Horizontal
3	4830.100	49.60	33.28	5.55	-40.14	48.29	74.00	25.71	PK	Horizontal
4	7244.100	60.26	36.80	6.57	-41.31	62.32	-	-	PK	Horizontal
5	7398.800	42.77	36.70	6.65	-41.70	44.42	74.00	29.58	PK	Horizontal
6	11507.700	41.70	39.18	8.45	-39.33	50.00	74.00	24.00	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-01

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD 2415MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

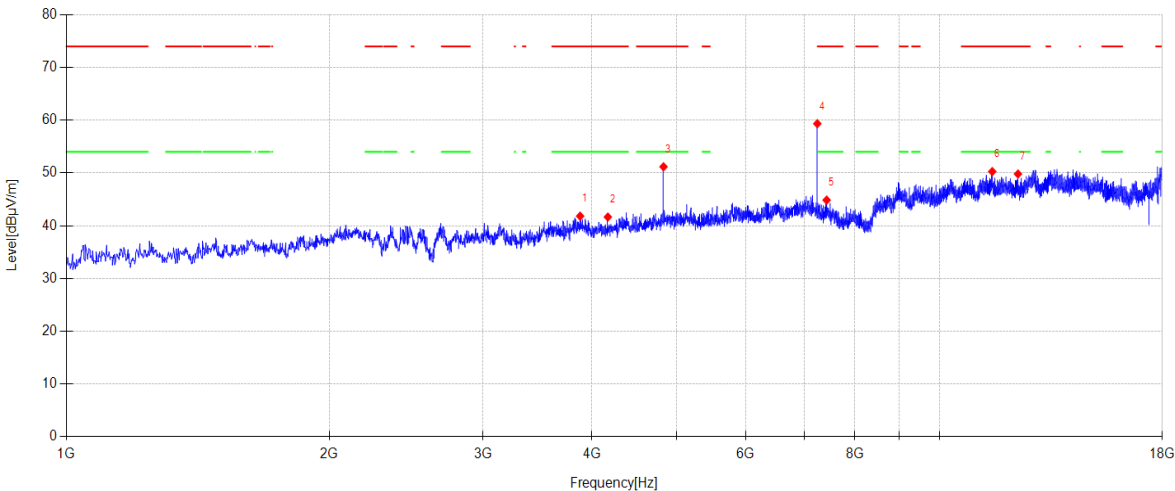
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Memo:

Sample Number:S24061232-002 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3876.400	46.06	31.06	5.07	-40.37	41.82	74.00	32.18	PK	Vertical
2	4170.500	45.70	31.20	5.15	-40.39	41.66	74.00	32.34	PK	Vertical
3	4830.100	52.48	33.28	5.55	-40.14	51.17	74.00	22.83	PK	Vertical
4	7245.800	57.28	36.80	6.57	-41.31	59.34	-	-	PK	Vertical
5	7426.000	43.31	36.65	6.67	-41.77	44.86	74.00	29.14	PK	Vertical
6	11494.100	41.94	39.21	8.44	-39.32	50.27	74.00	23.73	PK	Vertical
7	12301.600	41.28	39.30	8.91	-39.68	49.81	74.00	24.19	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-01

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD 2439MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

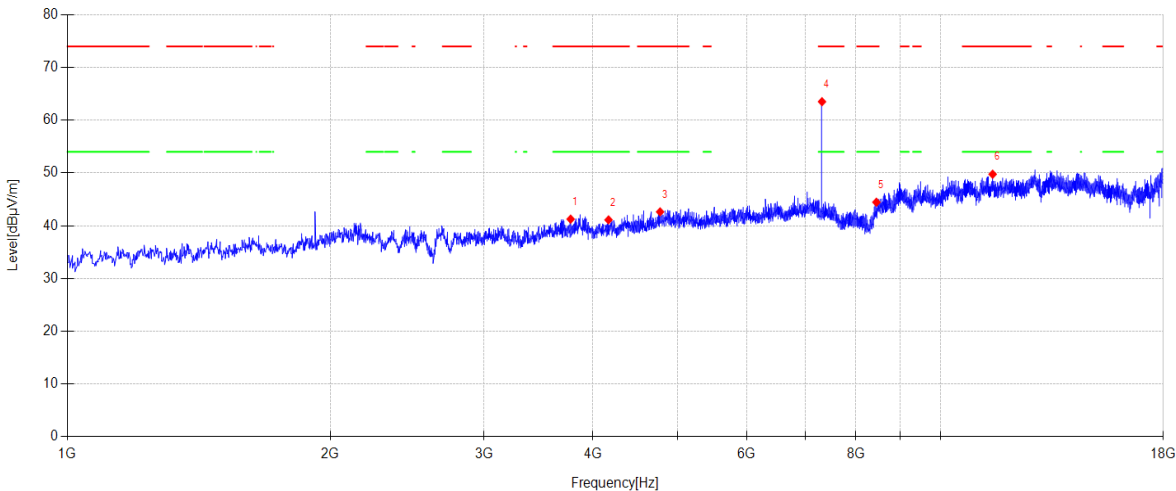
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Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3771.000	45.89	30.58	5.09	-40.31	41.25	74.00	32.75	PK	Horizontal
2	4167.100	45.15	31.20	5.15	-40.39	41.11	74.00	32.89	PK	Horizontal
3	4774.000	44.88	32.40	5.51	-40.16	42.63	74.00	31.37	PK	Horizontal
4	7317.200	61.52	36.87	6.61	-41.49	63.51	74.00	10.49	PK	Horizontal
5	8446.000	41.07	37.50	7.12	-41.23	44.46	74.00	29.54	PK	Horizontal
6	11475.400	41.42	39.22	8.43	-39.31	49.76	74.00	24.24	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4.AVG Level=Peak level+20log (D) , D= Duty Cycle =6.20%,

5. NO.4: Spurious emission Peak level =63.51 dBμV/m , AVG Level =63.51 -24.15=39.36dBμV/m , PASS.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-01

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD 2439MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

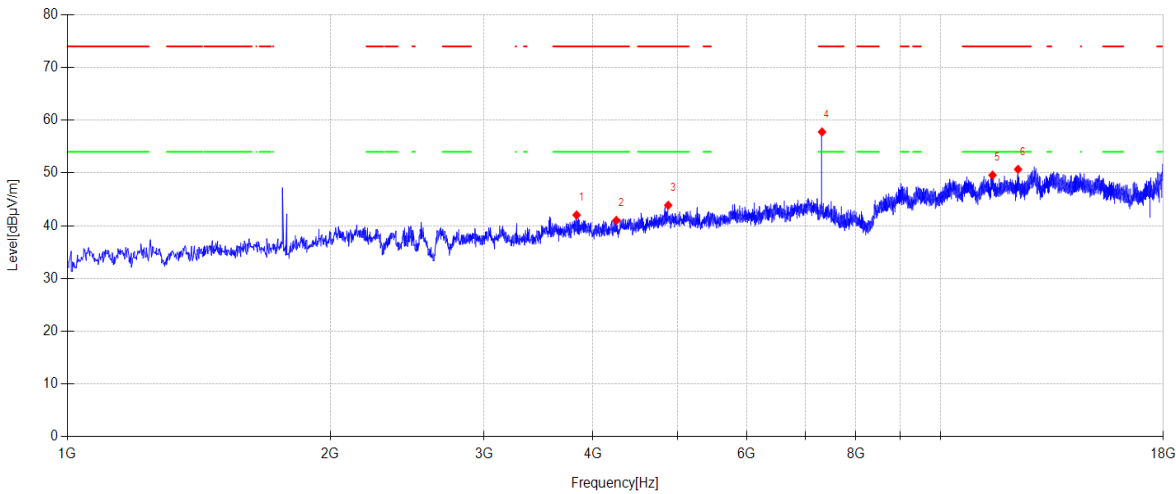
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Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3830.500	46.48	30.82	5.08	-40.35	42.03	74.00	31.97	PK	Vertical
2	4253.800	44.75	31.42	5.20	-40.36	41.01	74.00	32.99	PK	Vertical
3	4877.700	45.07	33.36	5.58	-40.13	43.88	74.00	30.12	PK	Vertical
4	7317.200	55.78	36.87	6.61	-41.49	57.77	74.00	16.23	PK	Vertical
5	11470.300	41.23	39.23	8.43	-39.31	49.58	74.00	24.42	PK	Vertical
6	12271.000	42.16	39.30	8.90	-39.67	50.69	74.00	23.31	PK	Vertical

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4.AVG Level=Peak level+20log (D) , D= Duty Cycle =6.20%,

5. NO.4: Spurious emission Peak level =63.51 dBµV/m , AVG Level =57.77 -24.15=33.62dBµV/m , PASS.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-02

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD 2459MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

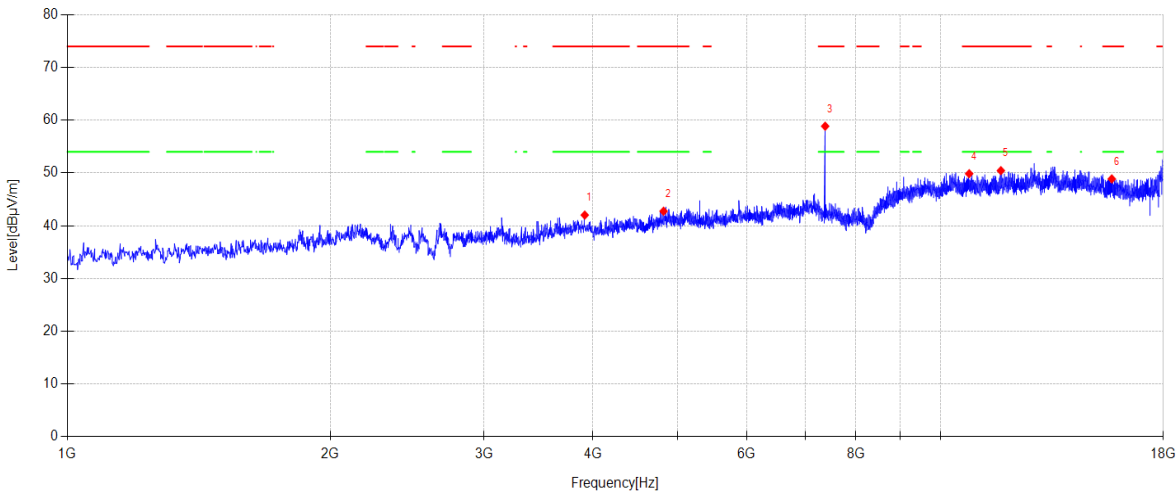
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d:\ts\2024 report data\Q24061232-2E\FCC ABOVE1G\5

Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3913.800	46.19	31.17	5.06	-40.40	42.02	74.00	31.98	PK	Horizontal
2	4818.200	44.39	32.97	5.54	-40.15	42.75	74.00	31.25	PK	Horizontal
3	7378.400	57.13	36.74	6.64	-41.65	58.86	74.00	15.14	PK	Horizontal
4	10786.900	41.45	39.40	8.02	-39.01	49.86	74.00	24.14	PK	Horizontal
5	11727.000	42.31	38.97	8.59	-39.43	50.44	74.00	23.56	PK	Horizontal
6	15711.800	39.62	38.48	9.96	-39.19	48.87	74.00	25.13	PK	Horizontal

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4.AVG Level=Peak level+20log (D) , D= Duty Cycle =6.20%,

5. NO.3: Spurious emission Peak level =63.51 dBμV/m , AVG Level =58.86 -24.15=34.71dBμV/m , PASS.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-02

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-B

Test Mode:

SRD 2459MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

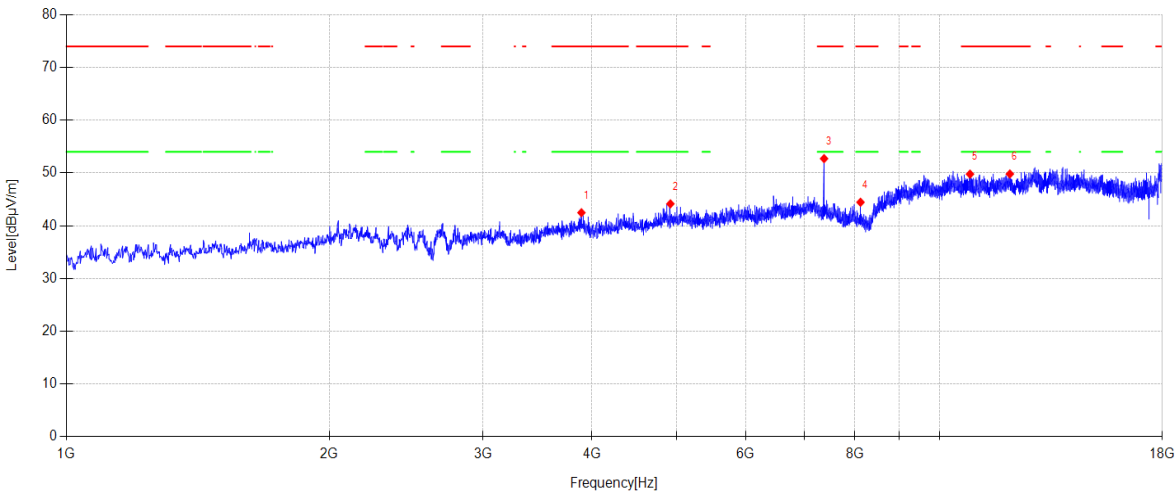
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d:\ts\2024 report data\Q24061232-2E\FCC ABOVE1G\6

Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3890.000	46.64	31.14	5.07	-40.38	42.47	74.00	31.53	PK	Vertical
2	4918.500	45.62	33.04	5.60	-40.11	44.15	74.00	29.85	PK	Vertical
3	7376.700	50.97	36.75	6.64	-41.64	52.72	74.00	21.28	PK	Vertical
4	8119.600	42.91	37.20	7.01	-42.67	44.45	74.00	29.55	PK	Vertical
5	10839.600	41.40	39.36	8.05	-39.03	49.78	74.00	24.22	PK	Vertical
6	12039.800	41.37	39.24	8.78	-39.58	49.81	74.00	24.19	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Field Strength of the Fundamental Signal

Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
2415	62.50	27.33	3.58	0.00	93.41	114.00	20.59	PK	Horizontal
2415	61.43	27.33	3.58	0.00	92.34	114.00	21.66	PK	Vertical
2415	93.41	/	/	/	69.26	94.00	24.47	AV	Horizontal
2415	92.34	/	/	/	68.19	94.00	25.81	AV	Vertical
2439	62.39	27.33	5.89	0.00	95.61	114.00	18.39	PK	Horizontal
2439	60.51	27.33	5.89	0.00	93.73	114.00	20.27	PK	Vertical
2439	95.61	/	/	/	71.46	94.00	22.54	AV	Horizontal
2439	93.73	/	/	/	69.58	94.00	24.42	AV	Vertical
2459	64.15	27.44	3.61	0.00	95.20	114.00	22.77	PK	Horizontal
2459	62.72	27.44	3.61	0.00	93.77	114.00	20.23	PK	Vertical
2459	95.20	/	/	/	71.05	94.00	22.95	AV	Horizontal
2459	93.77	/	/	/	69.62	94.00	24.38	AV	Vertical

Note:

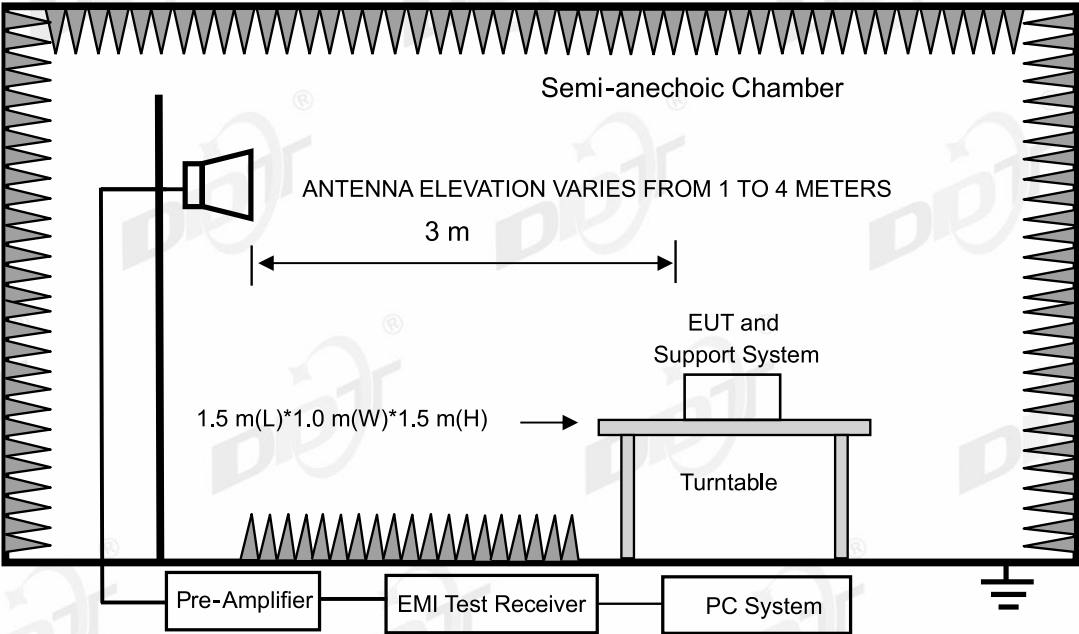
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 4kHz, Sweep time: auto.
4. $AVG\ Level = Peak\ level + 20\log(D)$, $D = Duty\ Cycle = 6.20\%$,

8. Band Edge Compliance

8.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2024/04/22
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2024/04/20
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2025/09/17
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/10
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2024/04/25
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2024/04/26
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200A	DDT-ZC01401	2024/09/20
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2024/04/22
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2024/04/20
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2024/04/20
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2024/04/22
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2024/04/22

8.2. Block diagram of test setup



8.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

8.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

8.5. Test procedure

Same with Radiated Emission except change investigated frequency range.
Remark: All restriction band have been tested, and only the worst case is shown in report.

8.6. Test result

PASS. (See below detailed test result)

8.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-07

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-A

Test Mode:

SRD 2415MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

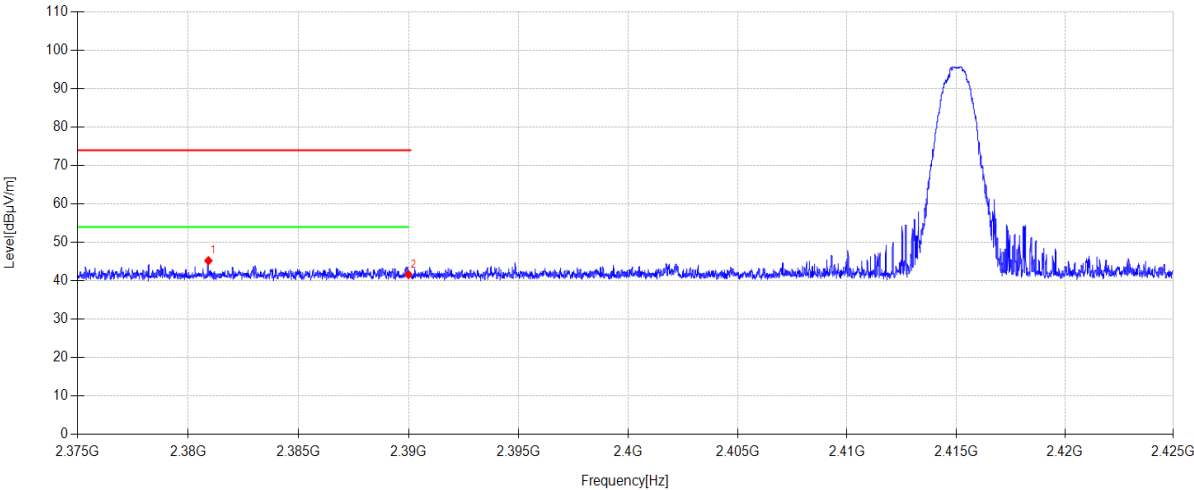
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Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2380.925	14.46	27.22	3.56	0.00	45.24	74.00	28.76	PK	Horizontal
2	2390.000	10.78	27.26	3.57	0.00	41.61	74.00	32.39	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-07

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-A

Test Mode:

SRD 2415MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

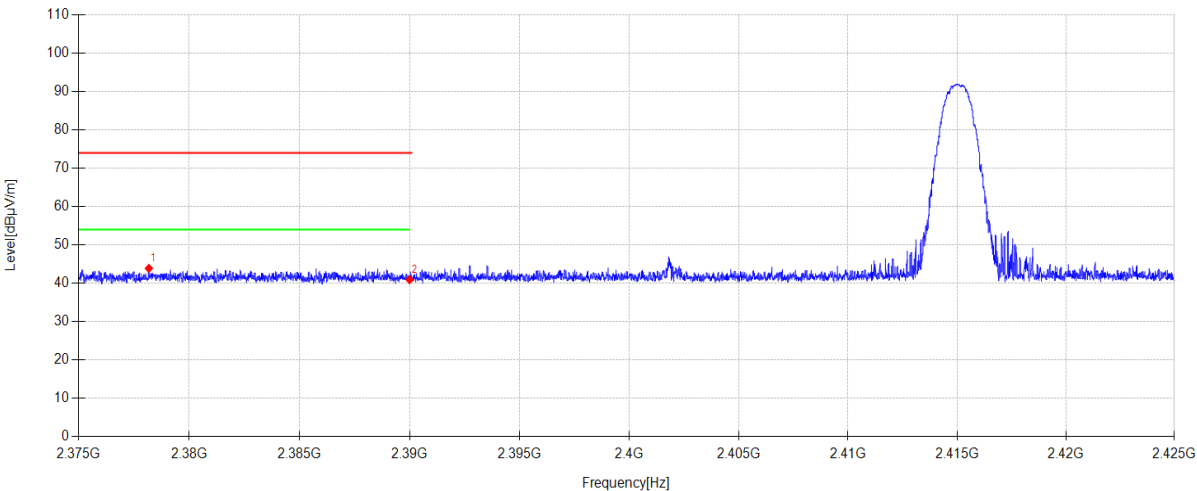
File Path:

d:\ts\2024 report data\Q24061232-2E\FCC ABOVE1G\14

Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2378.185	13.12	27.21	3.56	0.00	43.89	74.00	30.11	PK	Vertical
2	2390.000	10.11	27.26	3.57	0.00	40.94	74.00	33.06	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-07

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-A

Test Mode:

SRD 2459MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

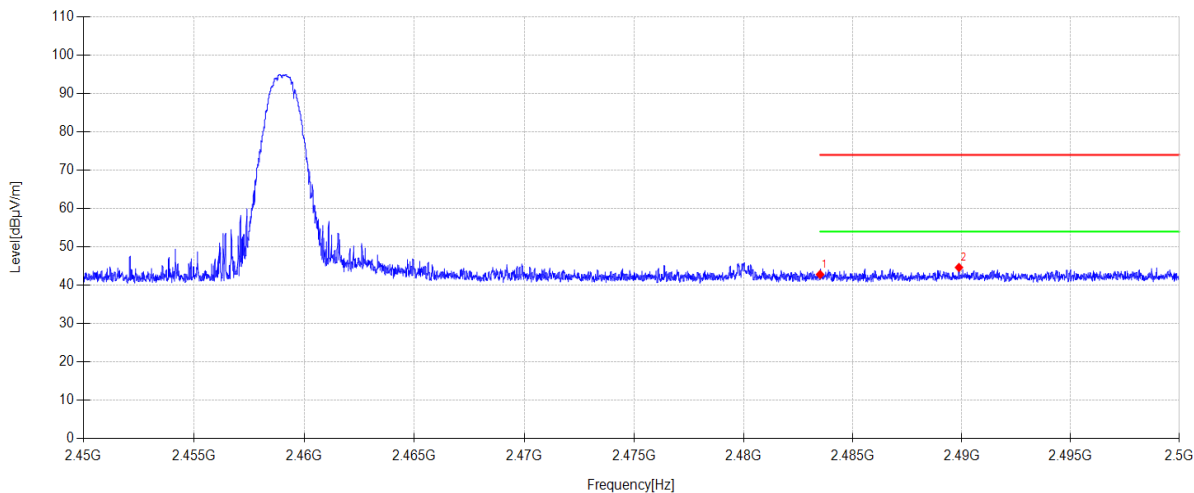
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d:\ts\2024 report data\Q24061232-2E\FCC ABOVE1G\15

Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.68	27.53	3.62	0.00	42.83	74.00	31.17	PK	Horizontal
2	2489.865	13.46	27.56	3.62	0.00	44.64	74.00	29.36	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-08-07

Tested By:

Gen Liu

EUT:

Motorized Smart Drape(DC)

Model Number:

MSD-A

Test Mode:

SRD 2459MHz TX Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:65.2%

Test Site:

DDT 3# Chamber

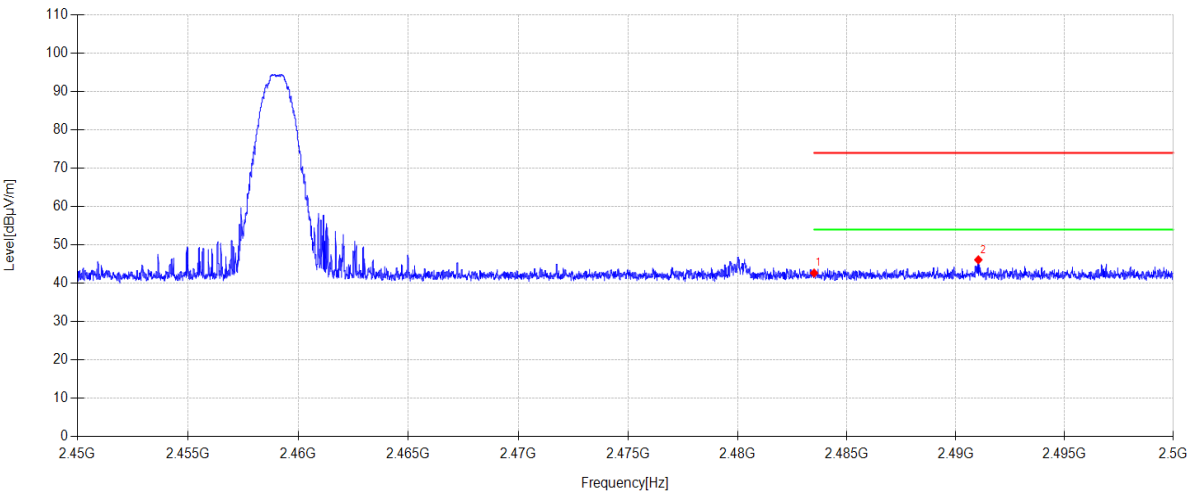
File Path:

d:\ts\2024 report data\Q24061232-2E\FCC ABOVE1G\16

Memo:

Sample Number:S24061232-015 Power Setting:NA

Test Graph



Data List										
N O.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.52	27.53	3.62	0.00	42.67	74.00	31.33	PK	Vertical
2	2491.030	14.93	27.56	3.62	0.00	46.11	74.00	27.89	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

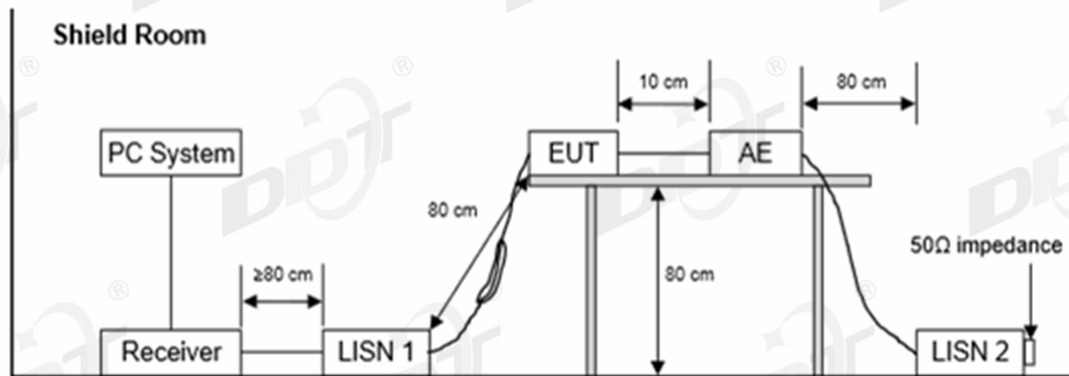
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

9. Power Line Conducted Emissions

9.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
/	/	/	/	/

9.2. Block diagram of test setup



9.3. Limits

Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

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

9.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

9.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

9.6. Test result

N/A. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “” means Peak detection; “” means Average detection.

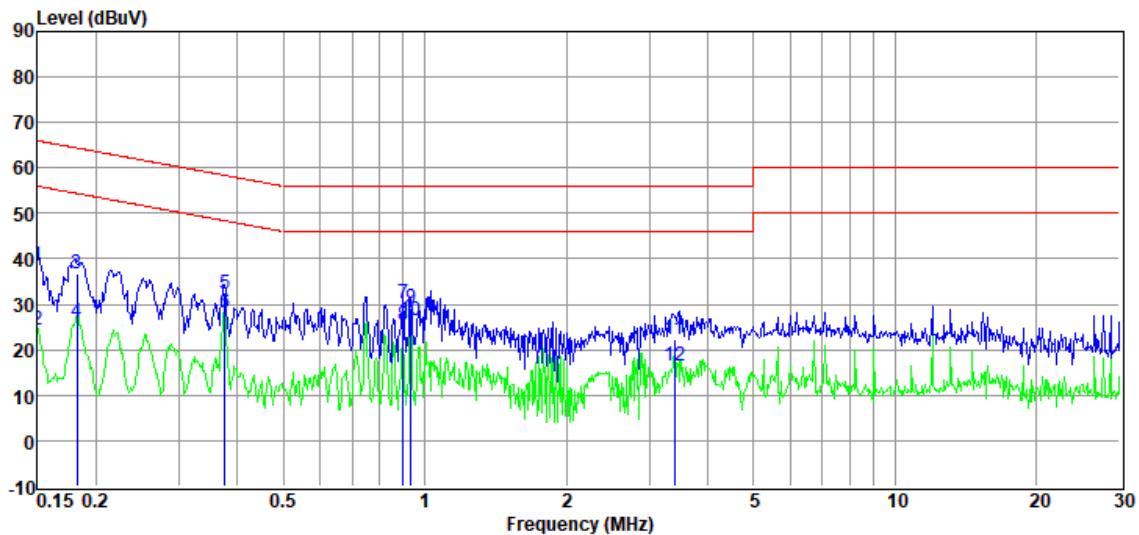
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

9.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24061232-2E\CE.EM6**
Test Date : 2024-07-30 **Tested By** : Genliu
EUT : Motorized Smart Drape(DC) **Model Number** : MSD-B
Power Supply : AC 120V/60Hz **Test Mode** : SRD mode
Condition : TEMP:21.5°C, RH:53.6% **LISN** : 2023 1# ENV216/NEUTRAL
Memo :

Data: 2



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	18.15	9.83	0.92	9.68	38.58	66.00	-27.42	QP	NEUTRAL
2	0.15	3.87	9.83	0.92	9.68	24.30	56.00	-31.70	Average	NEUTRAL
3	0.18	16.22	9.81	0.91	9.69	36.63	64.37	-27.74	QP	NEUTRAL
4	0.18	5.55	9.81	0.91	9.69	25.96	54.37	-28.41	Average	NEUTRAL
5	0.38	11.90	9.71	0.86	9.70	32.17	58.39	-26.22	QP	NEUTRAL
6	0.38	7.87	9.71	0.86	9.70	28.14	48.39	-20.25	Average	NEUTRAL
7	0.90	10.10	9.81	0.69	9.73	30.33	56.00	-25.67	QP	NEUTRAL
8	0.90	5.31	9.81	0.69	9.73	25.54	46.00	-20.46	Average	NEUTRAL
9	0.93	8.96	9.80	0.68	9.73	29.17	56.00	-26.83	QP	NEUTRAL
10	0.93	6.17	9.80	0.68	9.73	26.38	46.00	-19.62	Average	NEUTRAL
11	3.40	2.20	9.73	0.58	9.78	22.29	56.00	-33.71	QP	NEUTRAL
12	3.40	-3.57	9.73	0.58	9.78	16.52	46.00	-29.48	Average	NEUTRAL

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site

: DDT 1# Shield Room

Test Date

: 2024-07-30

EUT

: Motorized Smart Drape(DC)

Power Supply

: AC 120V/60Hz

Condition

: TEMP:21.5°C, RH:53.6%

Memo

:

D:\2024 CE report data\Q24061232-2E\CE.EM6

Tested By

: Genliu

Model Number

: MSD-B

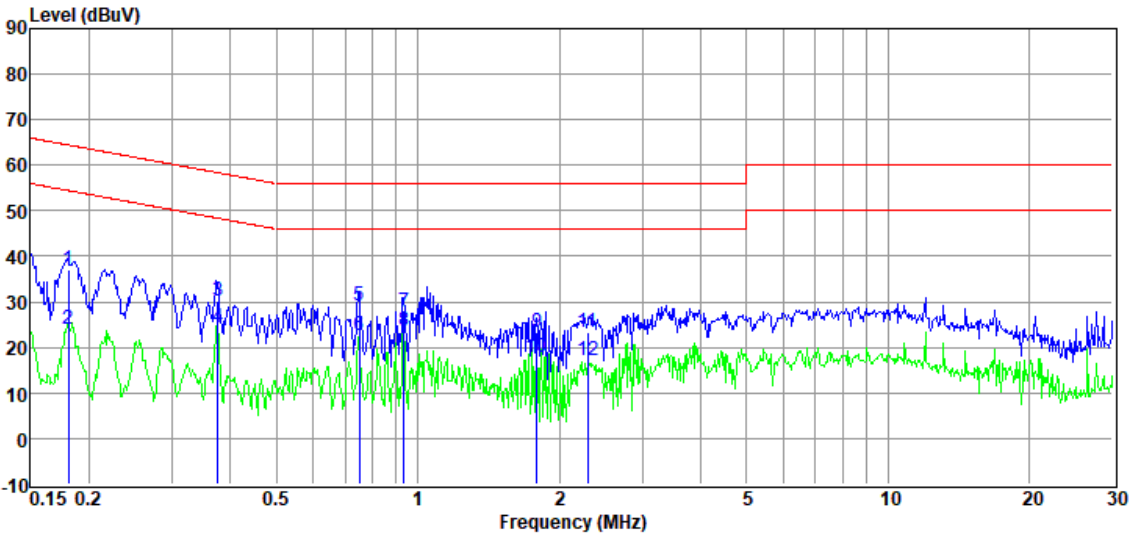
Test Mode

: SRD mode

LISN

: 2023 1# ENV216/LINE

Data: 4



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	16.77	9.75	0.91	9.69	37.12	64.46	-27.34	QP	LINE
2	0.18	3.84	9.75	0.91	9.69	24.19	54.46	-30.27	Average	LINE
3	0.38	9.87	9.75	0.86	9.70	30.18	58.39	-28.21	QP	LINE
4	0.38	4.15	9.75	0.86	9.70	24.46	48.39	-23.93	Average	LINE
5	0.75	9.04	9.78	0.75	9.72	29.29	56.00	-26.71	QP	LINE
6	0.75	2.47	9.78	0.75	9.72	22.72	46.00	-23.28	Average	LINE
7	0.93	7.75	9.60	0.68	9.73	27.76	56.00	-28.24	QP	LINE
8	0.93	3.83	9.60	0.68	9.73	23.84	46.00	-22.16	Average	LINE
9	1.79	3.32	9.76	0.64	9.75	23.47	56.00	-32.53	QP	LINE
10	1.79	-2.37	9.76	0.64	9.75	17.78	46.00	-28.22	Average	LINE
11	2.30	3.18	9.78	0.62	9.76	23.34	56.00	-32.66	QP	LINE
12	2.30	-2.94	9.78	0.62	9.76	17.22	46.00	-28.78	Average	LINE

Note:

- Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
- If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

11. Photos of the EUT

Please refer to DDT-RE24061232-1Eappendix I

-----End Report-----