Prüfbericht-Nr.: *Test report no.*:	**CN24BTDN 001**	**Auftrags-Nr.:** *Order no.*:	190159329	**Seite 1 von 14** *Page 1 of 14*
Kunden-Referenz-Nr.: *Client reference no.*:	N/A	**Auftragsdatum:** *Order date:*	2024-08-02	
Auftraggeber: *Client*:	Ninebot (Changzhou) Tech Co., Ltd. 16F-17F, Block A, Building 3, No.18, Changwu Mid Rd, Wujin Dist., Changzhou, Jiangsu, P. R. China			
Prüfgegenstand: *Test item*:	Segway SuperScooter GT3			
Bezeichnung / Typ-Nr.: *Identification / Type no.*:	060202E, 060202D			
Auftrags-Inhalt: *Order content*:	EMC Test Report			
Prüfgrundlage: *Test specification*:	EN 17128:2020, Clause 9			
Wareneingangsdatum: *Date of sample receipt*:	2024-07-15			
Prüfmuster-Nr.: *Test sample no:*	A003773049-005 A003773049-006			
Prüfzeitraum: *Testing period*:	2024-07-17			
Ort der Prüfung: *Place of testing*:	Refer to section 2.1			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (China) Ltd.			
Prüfergebnis*: *Test result**:	Pass			



geprüft von: tested by:	Chen Yihua Wang Xingdi Chen Yihua/Wang Xingdi	**genehmigt von:** *authorized by*:	Wu Yanping Wu Yanping
Datum: *Date:* 2024-08-14		**Ausstellungsdatum:** *Issue date:* 2024-08-14	
Stellung / Position:	Trainee/Project Engineer	**Stellung** / Position:	Authorizer

Sonstiges /
Other:

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery*:	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*P(ass) = passed a.m. test specification(s)*	*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.
This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

Anmerkungen
Remarks

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4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnisen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. *The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.*

TEST SUMMARY

4.1.1 RADIATED EMISSION
Result:
Passed

5.1.1 RADIO FREQUENCY ELECTROMAGNETIC FIELD
Result:
Passed

5.1.2 ELECTROSTATIC DISCHARGE IMMUNITY
Result:
Passed

Contents

1 GENERAL REMARKS 5
1.1 COMPLEMENTARY MATERIALS 5
2 TEST SITES 6
2.1 TEST FACILITIES 6
2.2 LIST OF TEST AND MEASUREMENT INSTRUMENTS 6
2.3 MEASUREMENT UNCERTAINTIES 7
3 GENERAL PRODUCT INFORMATION 8
3.1 PRODUCT FUNCTION AND INTENDED USE 8
3.2 RATINGS AND SYSTEM DETAILS 8
3.3 INDEPENDENT OPERATION MODES 8
3.4 NOISE GENERATING AND NOISE SUPPRESSING PARTS 8
3.5 SUBMITTED DOCUMENTS 9
4 TEST SET-UP AND OPERATION MODES 9
4.1 PRINCIPLE OF CONFIGURATION SELECTION 9
4.2 PHYSICAL CONFIGURATION FOR TESTING 9
4.3 TEST OPERATION AND TEST SOFTWARE 9
4.4 SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT 9
4.5 COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE 9
5 TEST RESULTS EMISSION FOR ELECTRIC SCOOTER 10
5.1 EMISSION IN THE FREQUENCY RANGE ABOVE 30 MHZ FOR ELECTRIC SCOOTER 10
5.1.1 Radiated emission 10
6 TEST RESULTS IMMUNITY 11
6.1 ENCLOSURE 12
6.1.1 Radio Frequency Electromagnetic Field 12
6.1.2 Electrostatic Discharge Immunity 13
7 LIST OF TABLES 14

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results
Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

Laboratory: National Center of Supervision & Inspection on Light Electric Vehicle & Battery Products Quality
Address: No.8 Chunxin Road, Xishan District, Wuxi, Jiangsu, China

The used test equipment is in accordance with CISPR 16-1 series standards for measurement of radio interference.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

No.	Equipment	Manufacturer	Model	Serial no.	Cal. due date
1	EMI Test Receiver	ESU26	ES03-33-01	Rohde & Schwarz	2025.04.06
2	TRILOG Broadband Antenna	VULB 9163	ES03-33-03	Schwarzbeck	2025.04.06
3	Four-Line V-Network (only for REESS charging mode)	ESH2-Z5	ES03-33-02	Rohde & Schwarz	2025.04.06
4	Signal Generator	SMB100A	ES03-35-01	Rohde & Schwarz	2025.04.06
5	Power Meter	NRP2	ES03-35-02	Rohde & Schwarz	2025.04.06
6	Broadband Amplifier	BBA100-A125B500C250	ES03-35-03	Rohde & Schwarz	2025.04.06
7	Amplifier	AS0104-100/100	ES03-35-04	MILMEGA	2025.04.06
8	High Gain Log-Periodic Antenna	HL046	ES03-35-05	Rohde & Schwarz	---
9	High Gain Horn Antenna	ATH800M5GA	ES03-35-06	Amplifier Research	---
10	Field Probe	FL7006/KIT	ES03-35-08	Amplifier Research	2025.06.04
11	Amplifier	BBA150-A1800	ES03-35-14	Rohde & Schwarz	2025.04.06
12	High Power Biconical Antenna	VHBD 9134-4+BBFA 9146	ES03-35-16	Schwarzbeck	---
13	Four-Line V-Network (only for REESS charging mode)	ESH2-Z5	ES03-33-02	Rohde & Schwarz	2025.04.06

2.3 Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Table 2: Measurement Uncertainty levels

Test	Parameters	Expanded uncertainty (U_{cispr})
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 4.34dB (Horizontal polarization)
	Level accuracy (30MHz to 1000MHz)	± 4.55dB (Vertical polarization)

As U_{lab} in all applicable tests listed above are less than U_{cispr} according to CISPR 16-4-2:2003,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

Decision rule is the rule that describes how measurement uncertainty is accounted for when stating conformity with a specified requirement. When decision rule is applicable, please refer to the current version announced in our website https://www.tuv.com/landingpage/en/qm-gcn/.

3 General Product Information

3.1 Product Function and Intended Use

The EUT (equipment under test) is a Segway SuperScooter GT3. For the further information, refer to the user's manual.

3.2 Ratings and System Details

General Information of EUT	Value
Kind of Equipment	Segway SuperScooter GT3
Type Designation	060202E, 060202D
	060202E Motor Rated Power: 500 W Max. Speed: 25 km/h
	060202D Motor Rated Power: 500 W Max. Speed: 20 km/h
Alternative Rear Position lamp & Stop lamp	Maker: K-Lite(Yuyao) Plastics Co., Ltd. Model: Z103
	Maker: Jiaxing Xingcheng Electronics Co., Ltd. Model: NT01
Operating Temperature Range	-10 °C ~ +40 °C
Operating Voltage	DC 53.6V@3.9A input via power adapter DC 46.8V input via internal battery
Testing Voltage	DC 46.8V by internal Battery
Power Adapter	Model: NBW54D601D3D01 Input: AC 100-240V~50/60Hz Output: DC 53.6V@3.9A
Battery pack	Model: NZBF4819A Ratings: DC 46.8V, 19200mAh, 899Wh

Identities and difference:
This products have the same circuit diagram and appearance, only for difference Max. Speed, Model name and Rear Position lamp & Stop lamp as described above. Related testing considered, all tests were performed on model 060202E in this report.

3.3 Independent Operation Modes

The basic operation modes are:
A. Emission according to B.2.2.3 and B.3.1.4 of Annex B of EN 17128:2020.
B. Immunity according to B.4.4 of Annex B of EN 17128:2020.
C. off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the circuit diagram for further information.

3.5 Submitted Documents

Circuit diagram, BOM, User manual, Nameplate.

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible emission level. The test conditions were adapted accordingly in reference to the instructions for use.

Refer to the related paragraph of this report.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test conditions were adapted accordingly in reference to the instructions for use.

Refer to the related paragraph of this report.

4.2 Physical Configuration for Testing

Refer to the related paragraph of this report.

4.3 Test Operation and Test Software

Refer to the related paragraph of this report. No software was used.

4.4 Special Accessories and Auxiliary Equipment

None.

4.5 Countermeasures to achieve EMC Compliance

None.

5 Test Results Emission for Electric Scooter

5.1 Emission in the Frequency Range above 30 MHz for Electric Scooter

5.1.1 Radiated emission

Result:	**Passed**

Date of testing	:	2024-07-17
Test procedure	:	EN 17128:2020, Annex B
Frequency range	:	30 – 1000MHz
Limits	:	QuasiPeak limits (3m test distance): 30MHz-75MHz: 42dBuV/m 75MHz-400MHz: 42–53dBuV/m, Increasing linearly with the logarithm of the frequency 400MHz-1000MHz: 53dBuV/m Average limits (3m test distance): 30MHz-75MHz: 32dBuV/m 75MHz-400MHz: 32–43dBuV/m, Increasing linearly with the logarithm of the frequency 400MHz-1000MHz: 43dBuV/m MaxPeak limits (3m test distance): 30MHz-75MHz: 62dBuV/m 75MHz-400MHz: 62–73dBuV/m, Increasing linearly with the logarithm of the frequency 400MHz-1000MHz: 73dBuV/m
Kind of test site	:	Semi-anechoic chamber
Ambient conditions	:	Temperature: 22°C; Relative humidity: 57%
Operation mode	:	A

The radiated disturbance test was carried out in a semi-anechoic chamber. The test distance from the receiving antenna to the EUT is 3m. The normalized site attenuation of the semi-anechoic chamber is regularly calibrated to ensure the radiated disturbance test results are valid. The height of the antenna is 1.8m±0.05m for vertical and horizontal polarity. When the test antenna is horizontal polarity, the engine midpoint should be positioned on normal from antenna midpoint. The test was performed with the antenna both in its horizontal and vertical polarizations.
The following figures were those measured and recorded by a test receiver. The curves in the figure were those measured with a peak detector for broad-band radiation and average detector for narrow-band radiation for the max measurement result. The results below show the worst case.

For the measurement records, refer to the appendix A.

6 Test Results Immunity

Annex B.4.6.2.1 of EN 17128:2020 for Electric Scooter:

A vehicle is deemed to fulfill the requisite immunity conditions if, during the tests carried out in the manner required by this clause, there are no abnormal changes in the speed of the vehicle's drive wheels, there are no signs of operational deterioration which might mislead other road users and there are no other noticeable phenomena which could result in a deterioration in the direct control of the vehicle.

6.1 Enclosure

6.1.1 Radio Frequency Electromagnetic Field

Result:	**Passed**

Date of testing	:	2024-07-17
Basic standard	:	EN 17128:2020 and ISO11451-1:2015
Test level	:	30V/m for Electric Scooter
Frequency range	:	20-2000MHz
Modulation	:	80% AM, 1kHz
Frequency scan speed	:	Frequency step: 1% Dwell time: 2s
Performance criteria	:	A
Ambient conditions	:	Temperature: 22°C; Relative humidity: 57%
Operation mode	:	B

The test was performed inside a semi-anechoic chamber with a test distance of 2m. The phase of mid-point of antenna is at a height of 1.5m above the vehicle plane.

For the measurement records, refer to the appendix A.

6.1.2 Electrostatic Discharge Immunity

Result:	**Passed**

Date of testing	:	2024-07-17
Basic standard	:	EN 17128:2020
Charge voltage	:	±2.0kV, ±4.0kV (Contact Discharge) ±2.0kV, ±4.0kV, ±8.0kV (Air Discharge)
Polarity	:	positive / negative
Number of discharges	:	≥10
Performance criteria	:	A
Ambient conditions	:	Temperature: 22°C; Relative humidity: 57%
Operation mode	:	B

The immunity against electrostatic discharge was tested in accordance with EN 17128:2020. Test setup and ESD-Generator are according to EN 61000-4-2:2009.
The EUT is placed on 0,1m wood table above the ground plane. And the minimum distance between the EUT and all other conductive structures except the ground plane beneath the EUT is more than 0,5m.
The reference ground plane is an aluminum sheet of 0,25mm minimum thickness. The reference ground plane is connected to the protective earth. The size of the ground plane is 2m x 2m.
A Vertical coupling plane of dimensions 0,5m x 0,5m is placed parallel to and positioned at a distance of 0,1m from the EUT.

For the measurement records, refer to the appendix A.

7 List of Tables

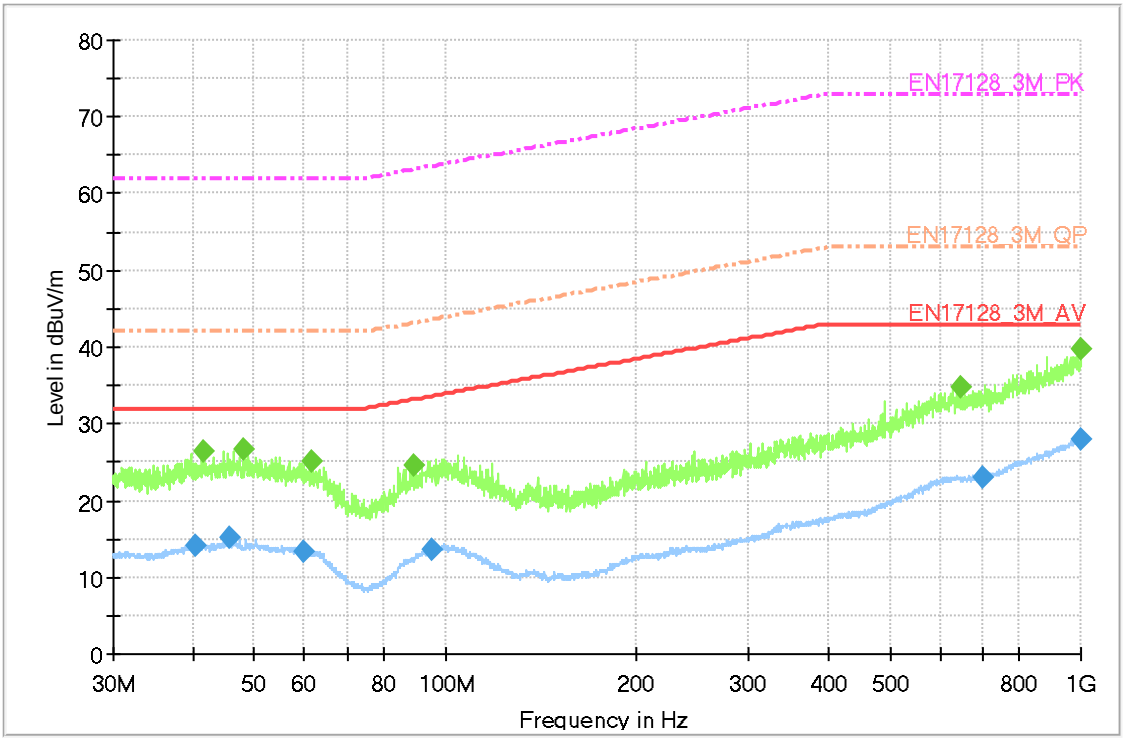
Table 1: List of Test and Measurement Equipment.....6
Table 2: Measurement Uncertainty levels.....7

APPENDIX A: TEST RESULTS

APPENDIX A: TEST RESULTS 1
APPENDIX A.1: TEST RESULTS OF RADIATED EMISSIONS 2
APPENDIX A.2: TEST RESULTS OF RADIO FREQUENCY ELECTROMAGNETIC FIELD 10
APPENDIX A.3: TEST RESULTS OF ELECTROSTATIC DISCHARGES IMMUNITY(ESD) 11

APPENDIX A.1: TEST RESULTS OF RADIATED EMISSIONS

EUT with Z103
Left side

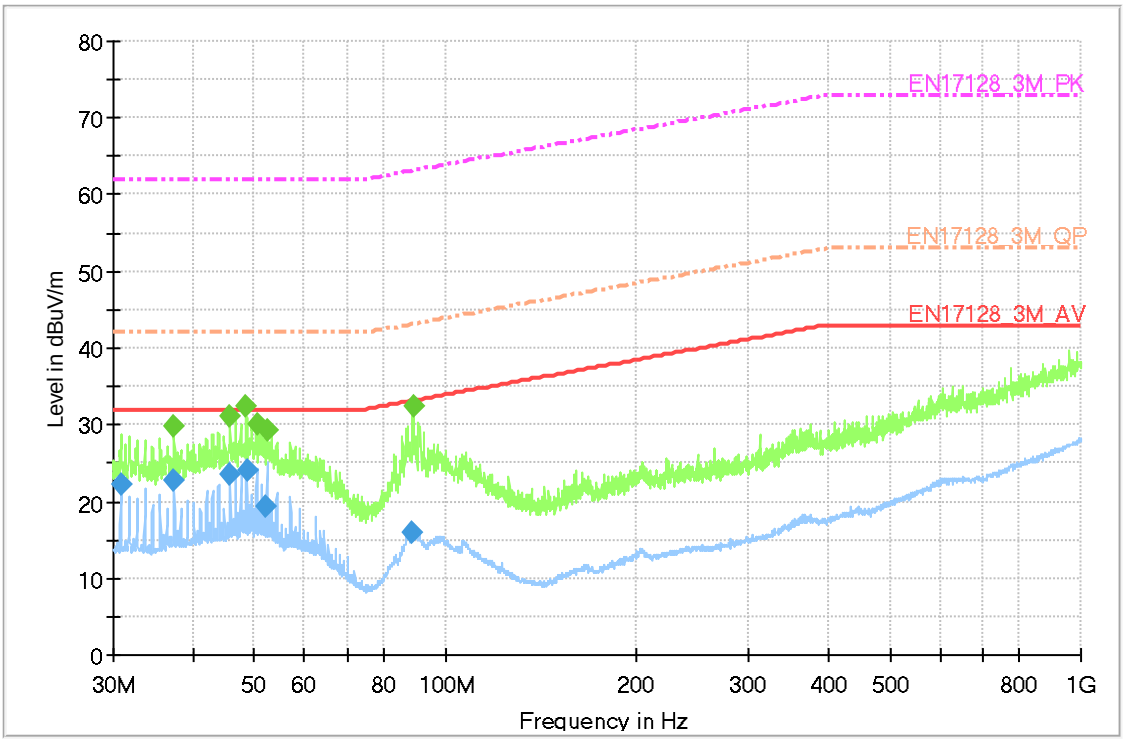


Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
40.320902	14.0	1000.0	120.000	180.0	H	0.0	14.3	18.0	32.0
45.546079	15.1	1000.0	120.000	180.0	H	0.0	14.3	16.9	32.0
59.972810	13.4	1000.0	120.000	180.0	H	0.0	13.6	18.6	32.0
95.230318	13.6	1000.0	120.000	180.0	H	0.0	14.0	20.0	33.6
699.779570	23.0	1000.0	120.000	180.0	H	0.0	22.1	20.0	43.0
999.400000	27.9	1000.0	120.000	180.0	H	0.0	25.8	15.1	43.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
41.514177	26.4	1000.0	120.000	180.0	H	0.0	14.3	35.6	62.0
48.180797	26.7	1000.0	120.000	180.0	H	0.0	14.1	35.3	62.0
61.734110	25.2	1000.0	120.000	180.0	H	0.0	12.8	36.8	62.0
89.268818	24.5	1000.0	120.000	180.0	H	0.0	12.8	38.6	63.1
647.851437	34.8	1000.0	120.000	180.0	H	0.0	21.8	38.2	73.0
996.696240	39.7	1000.0	120.000	180.0	H	0.0	25.8	33.3	73.0



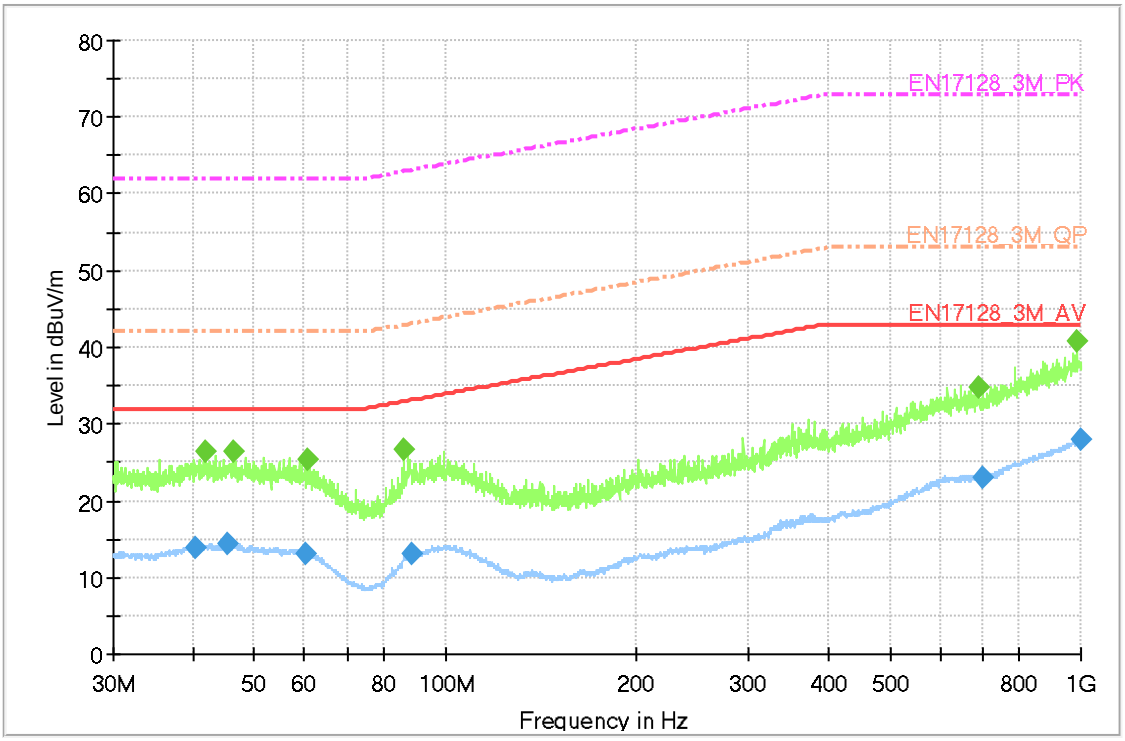
Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
30.861638	22.3	1000.0	120.000	180.0	V	0.0	12.9	9.8	32.0
37.408449	22.8	1000.0	120.000	180.0	V	0.0	13.6	9.2	32.0
45.823087	23.6	1000.0	120.000	180.0	V	0.0	14.3	8.4	32.0
48.644132	24.1	1000.0	120.000	180.0	V	0.0	14.1	7.9	32.0
52.268097	19.4	1000.0	120.000	180.0	V	0.0	13.9	12.6	32.0
88.665209	16.1	1000.0	120.000	180.0	V	0.0	12.5	17.0	33.1

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
37.378193	29.7	1000.0	120.000	180.0	V	0.0	13.6	32.3	62.0
45.786350	31.0	1000.0	120.000	180.0	V	0.0	14.3	31.0	62.0
48.616163	32.3	1000.0	120.000	180.0	V	0.0	14.1	29.7	62.0
50.447720	30.1	1000.0	120.000	180.0	V	0.0	14.0	31.9	62.0
52.348279	29.3	1000.0	120.000	180.0	V	0.0	13.9	32.7	62.0
88.912634	32.5	1000.0	120.000	180.0	V	0.0	12.6	30.6	63.1

Right side

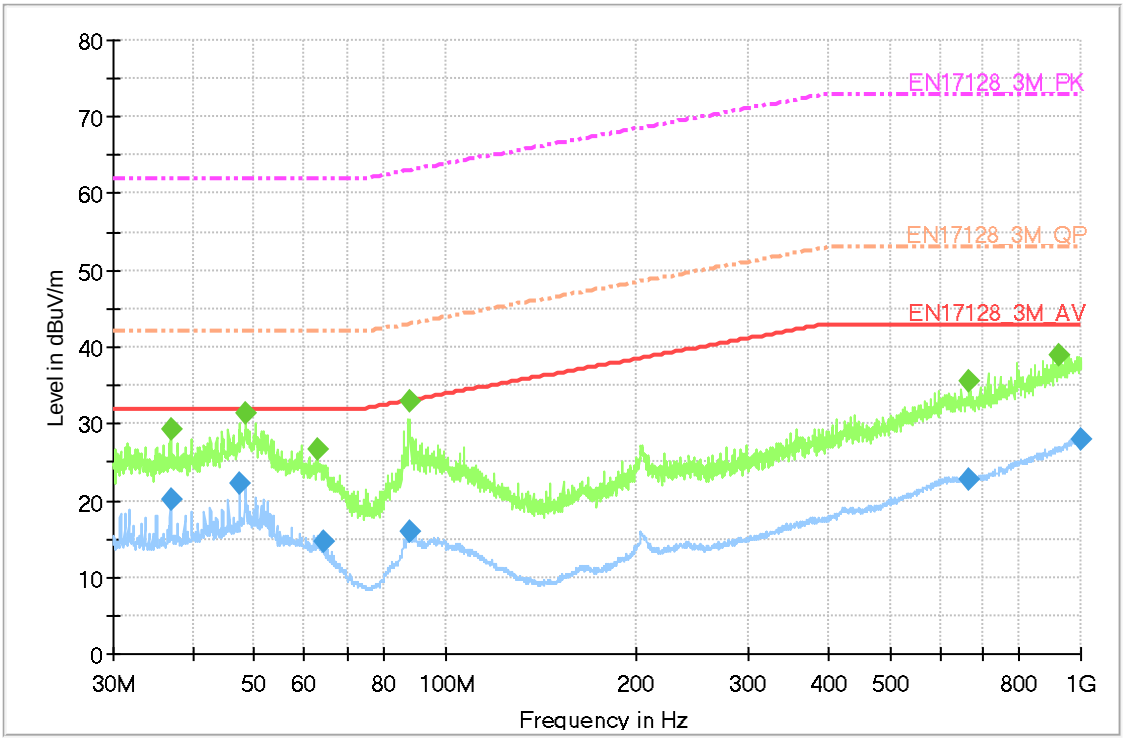


Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
40.322133	14.0	1000.0	120.000	180.0	H	180.0	14.3	18.0	32.0
45.525049	14.3	1000.0	120.000	180.0	H	180.0	14.3	17.7	32.0
60.398094	13.1	1000.0	120.000	180.0	H	180.0	13.4	18.9	32.0
88.306001	13.1	1000.0	120.000	180.0	H	180.0	12.4	20.0	33.1
698.380910	23.0	1000.0	120.000	180.0	H	180.0	22.1	20.0	43.0
999.290629	28.0	1000.0	120.000	180.0	H	180.0	25.8	15.0	43.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
41.805650	26.3	1000.0	120.000	180.0	H	180.0	14.3	35.7	62.0
46.385158	26.4	1000.0	120.000	180.0	H	180.0	14.2	35.6	62.0
60.815465	25.3	1000.0	120.000	180.0	H	180.0	13.2	36.7	62.0
85.941878	26.7	1000.0	120.000	180.0	H	180.0	11.7	36.2	62.9
689.957448	34.9	1000.0	120.000	180.0	H	180.0	22.0	38.1	73.0
984.813266	40.8	1000.0	120.000	180.0	H	180.0	25.6	32.2	73.0



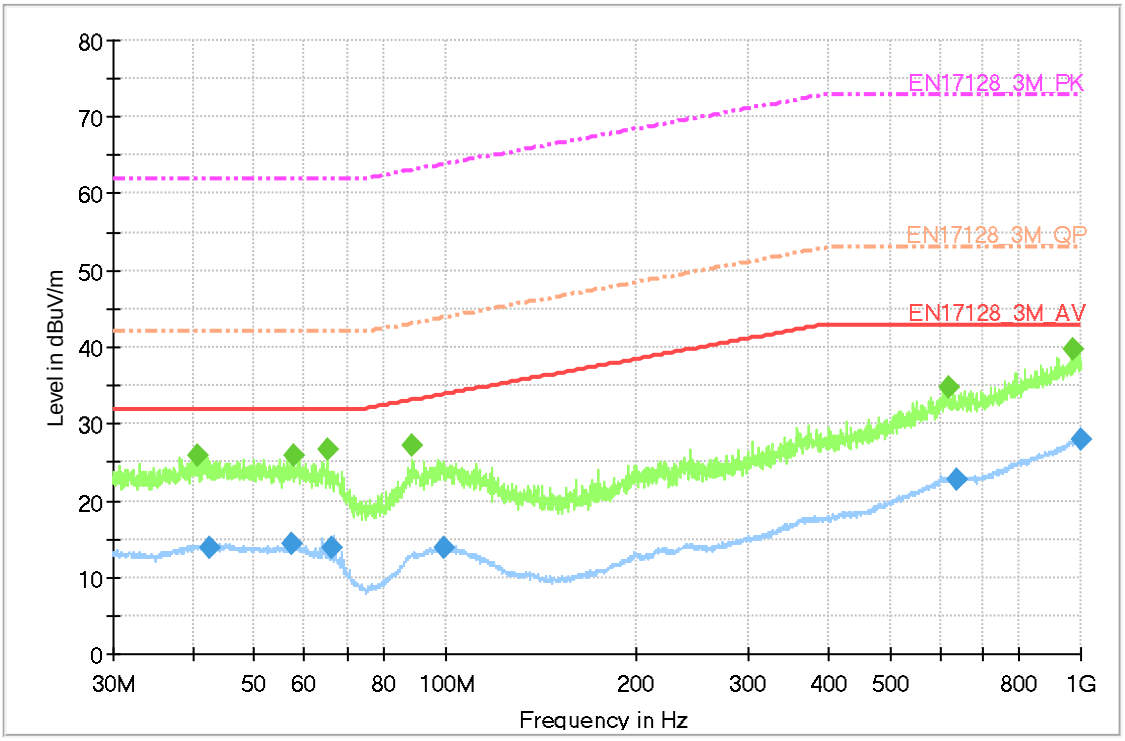
Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
36.955786	20.0	1000.0	120.000	180.0	V	180.0	13.5	12.0	32.0
47.380708	22.1	1000.0	120.000	180.0	V	180.0	14.2	9.9	32.0
64.224377	14.6	1000.0	120.000	180.0	V	180.0	11.9	17.4	32.0
87.687305	15.8	1000.0	120.000	180.0	V	180.0	12.2	17.2	33.0
664.307820	22.9	1000.0	120.000	180.0	V	180.0	21.9	20.1	43.0
999.290629	28.0	1000.0	120.000	180.0	V	180.0	25.8	15.0	43.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
36.969489	29.4	1000.0	120.000	180.0	V	180.0	13.5	32.6	62.0
48.325484	31.3	1000.0	120.000	180.0	V	180.0	14.1	30.7	62.0
62.854820	26.6	1000.0	120.000	180.0	V	180.0	12.4	35.4	62.0
87.589554	32.9	1000.0	120.000	180.0	V	180.0	12.2	30.1	63.0
665.572728	35.5	1000.0	120.000	180.0	V	180.0	21.9	37.5	73.0
921.023473	38.9	1000.0	120.000	180.0	V	180.0	25.1	34.1	73.0

EUT with NT01
Left side

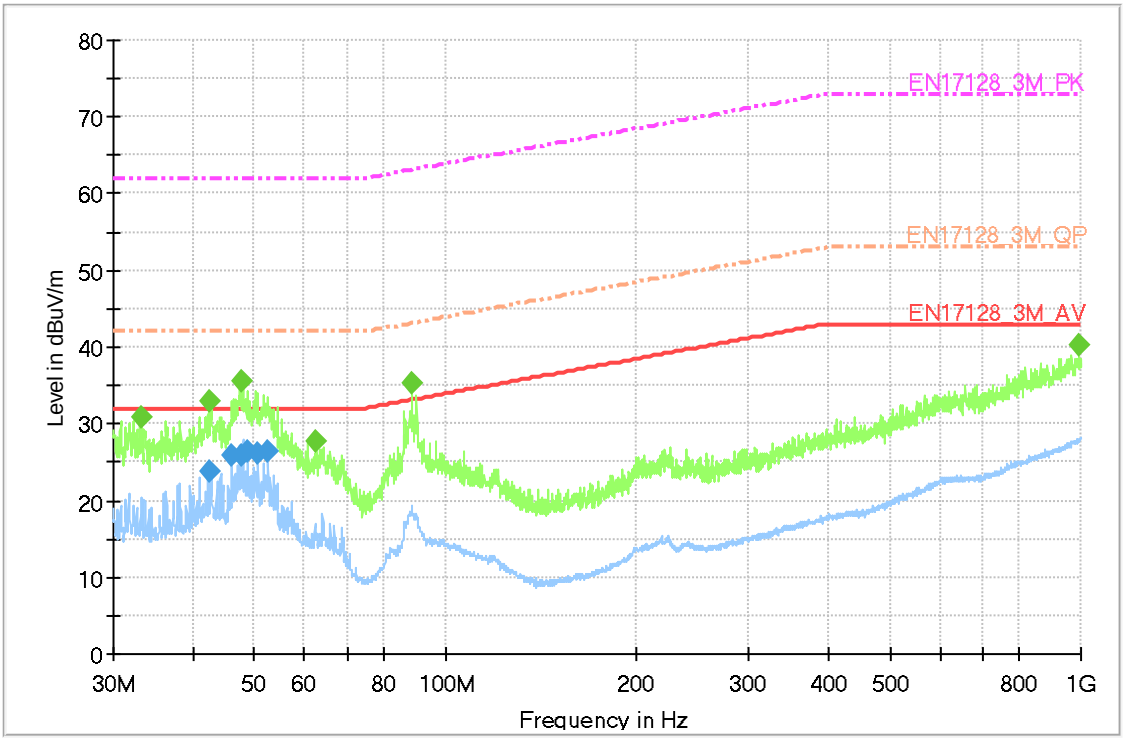


Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
42.384301	14.0	1000.0	120.000	180.0	H	0.0	14.3	18.0	32.0
57.129350	14.3	1000.0	120.000	180.0	H	0.0	13.7	17.7	32.0
66.206284	13.9	1000.0	120.000	180.0	H	0.0	11.1	18.1	32.0
99.436492	13.8	1000.0	120.000	180.0	H	0.0	14.3	20.0	33.9
638.810969	22.8	1000.0	120.000	180.0	H	0.0	21.7	20.2	43.0
999.400000	27.9	1000.0	120.000	180.0	H	0.0	25.8	15.1	43.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
40.692548	25.8	1000.0	120.000	180.0	H	0.0	14.3	36.2	62.0
57.677699	25.9	1000.0	120.000	180.0	H	0.0	13.7	36.1	62.0
65.027525	26.7	1000.0	120.000	180.0	H	0.0	11.6	35.3	62.0
88.292727	27.1	1000.0	120.000	180.0	H	0.0	12.4	36.0	63.1
619.977626	34.9	1000.0	120.000	180.0	H	0.0	21.6	38.1	73.0
970.158578	39.8	1000.0	120.000	180.0	H	0.0	25.5	33.2	73.0



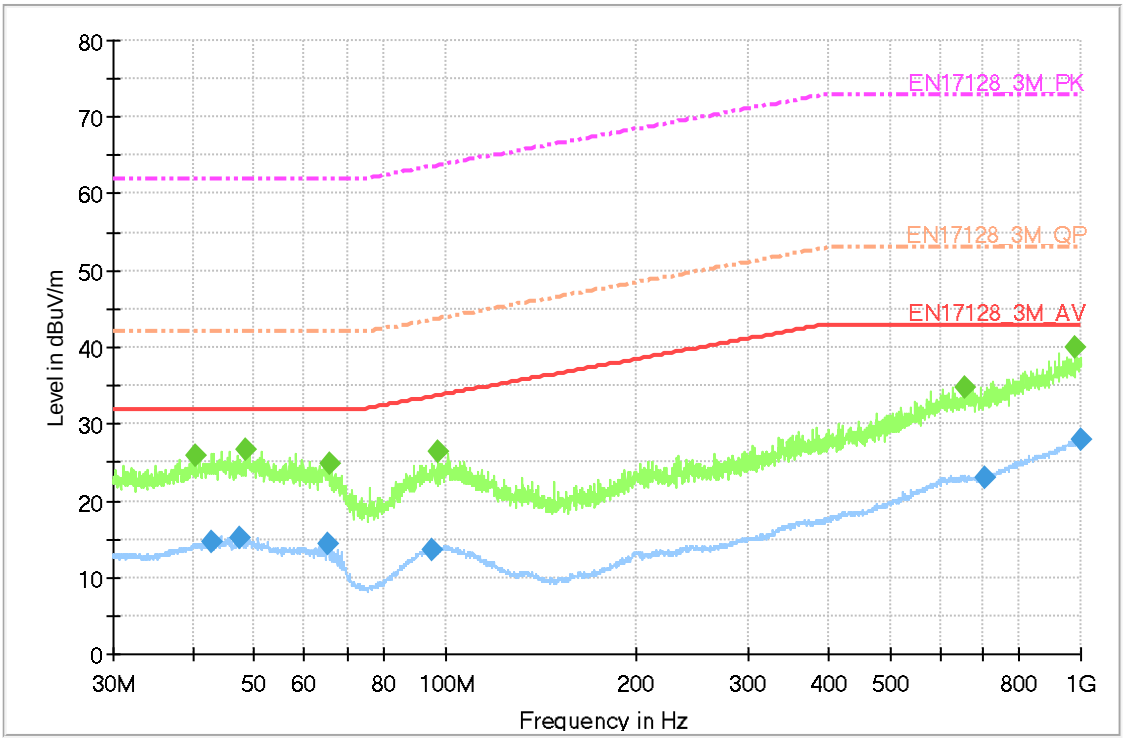
Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
42.426077	23.7	1000.0	120.000	180.0	V	0.0	14.3	8.3	32.0
46.102982	25.8	1000.0	120.000	180.0	V	0.0	14.3	6.2	32.0
47.911836	25.8	1000.0	120.000	180.0	V	0.0	14.1	6.2	32.0
48.842043	26.3	1000.0	120.000	180.0	V	0.0	14.1	5.7	32.0
50.704987	26.2	1000.0	120.000	180.0	V	0.0	14.0	5.8	32.0
52.532391	26.4	1000.0	120.000	180.0	V	0.0	13.9	5.6	32.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
33.120351	31.0	1000.0	120.000	180.0	V	0.0	13.0	31.0	62.0
42.394748	32.9	1000.0	120.000	180.0	V	0.0	14.3	29.1	62.0
47.844876	35.6	1000.0	120.000	180.0	V	0.0	14.1	26.4	62.0
62.666632	27.6	1000.0	120.000	180.0	V	0.0	12.5	34.4	62.0
88.381020	35.4	1000.0	120.000	180.0	V	0.0	12.4	27.7	63.1
990.736937	40.1	1000.0	120.000	180.0	V	0.0	25.7	32.9	73.0

Right side

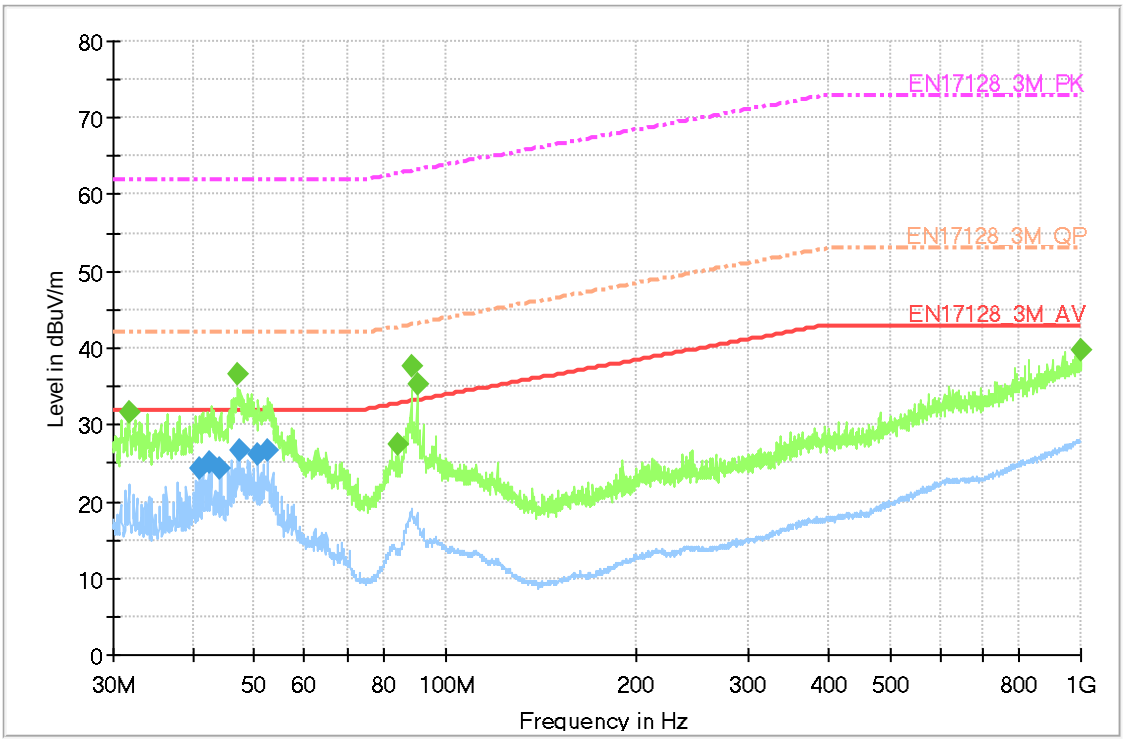


Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
42.766676	14.8	1000.0	120.000	180.0	H	180.0	14.2	17.2	32.0
47.375828	15.1	1000.0	120.000	180.0	H	180.0	14.2	16.9	32.0
65.009092	14.4	1000.0	120.000	180.0	H	180.0	11.6	17.6	32.0
95.135183	13.6	1000.0	120.000	180.0	H	180.0	14.0	20.0	33.6
703.991767	23.1	1000.0	120.000	180.0	H	180.0	22.2	19.9	43.0
999.089319	27.9	1000.0	120.000	180.0	H	180.0	25.8	15.1	43.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
40.449245	26.0	1000.0	120.000	180.0	H	180.0	14.3	36.0	62.0
48.422183	26.6	1000.0	120.000	180.0	H	180.0	14.1	35.4	62.0
65.549569	24.8	1000.0	120.000	180.0	H	180.0	11.3	37.2	62.0
97.378824	26.5	1000.0	120.000	180.0	H	180.0	14.1	37.2	63.7
657.637528	34.7	1000.0	120.000	180.0	H	180.0	21.8	38.3	73.0
975.994101	40.0	1000.0	120.000	180.0	H	180.0	25.6	33.0	73.0



Final Result 1

Frequency (MHz)	Average (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
40.905723	24.3	1000.0	120.000	180.0	V	180.0	14.3	7.7	32.0
42.389142	25.1	1000.0	120.000	180.0	V	180.0	14.3	6.9	32.0
44.227487	24.2	1000.0	120.000	180.0	V	180.0	14.3	7.8	32.0
47.328499	26.7	1000.0	120.000	180.0	V	180.0	14.2	5.3	32.0
50.704987	26.1	1000.0	120.000	180.0	V	180.0	14.0	5.9	32.0
52.532391	26.7	1000.0	120.000	180.0	V	180.0	13.9	5.3	32.0

Final Result 2

Frequency (MHz)	MaxPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
31.695347	31.7	1000.0	120.000	180.0	V	180.0	12.9	30.3	62.0
46.991796	36.5	1000.0	120.000	180.0	V	180.0	14.2	25.5	62.0
84.240957	27.5	1000.0	120.000	180.0	V	180.0	11.1	35.2	62.8
88.292727	37.5	1000.0	120.000	180.0	V	180.0	12.4	25.5	63.1
90.165534	35.3	1000.0	120.000	180.0	V	180.0	13.0	27.9	63.2
1000.000000	39.9	1000.0	120.000	180.0	V	180.0	25.8	33.1	73.0

APPENDIX A.2: TEST RESULTS OF RADIO FREQUENCY ELECTROMAGNETIC FIELD

Test Frequency	Field polarization	Result	Observation
20MHz-2GHz	Vertical polarization	Pass	No degradation of performance or loss of function during test

APPENDIX A.3: TEST RESULTS OF ELECTROSTATIC DISCHARGES IMMUNITY(ESD)

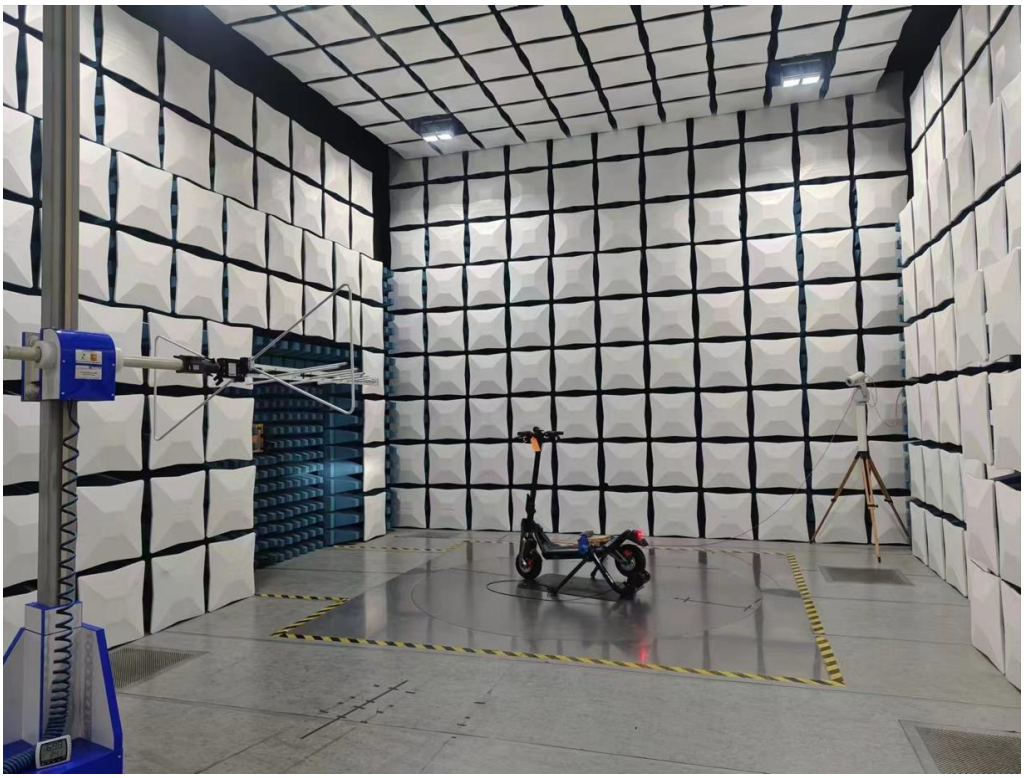
Test Point	Discharge Type	Discharge Voltage(kV)	Performance
Metal case	Contact	±2, 4	A
Screw	Contact	±2, 4	A
HCP	Contact	±2, 4	N/A
VCP	Contact	±2, 4	A
Panel	Air	±2, 4, 8	A
Button	Air	±2, 4, 8	A
Lamp	Air	±2, 4, 8	A

========== END OF APPENDIX ==========

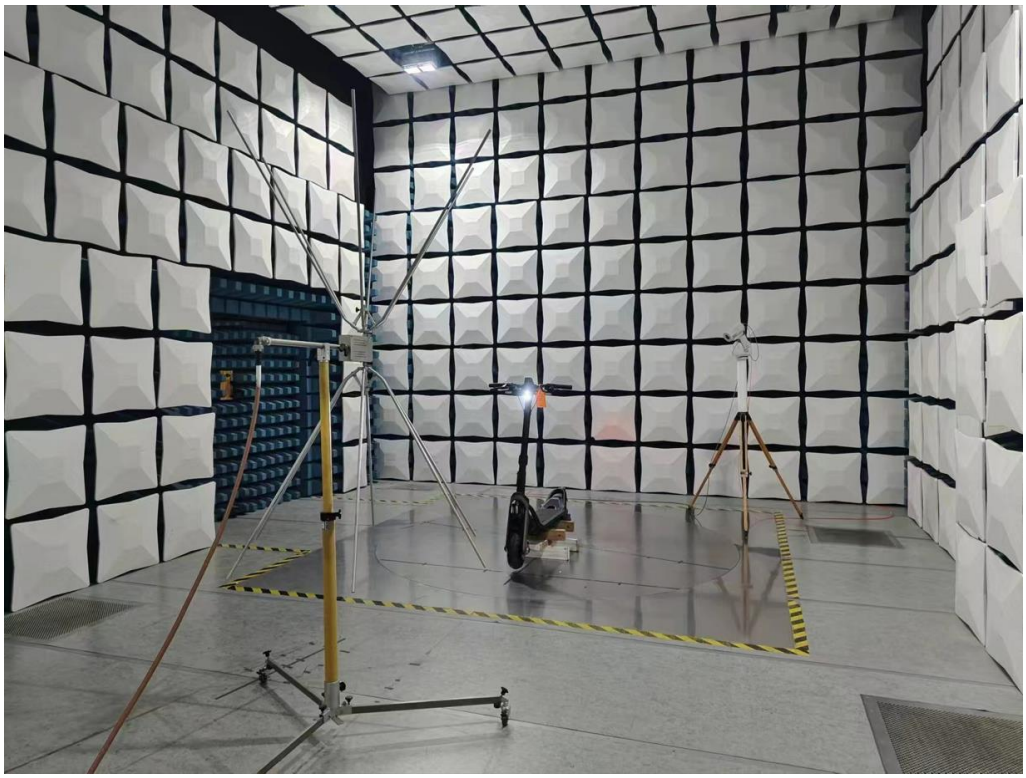
APPENDIX B: PHOTOGRAPHS OF THE TEST SET-UP

APPENDIX B: PHOTOGRAPHS OF THE TEST SET-UP 1
APPENDIX B.1: SET-UP FOR RADIATED EMISSIONS 2
APPENDIX B.2: SET-UP FOR RADIO FREQUENCY ELECTROMAGNETIC FIELD 2
APPENDIX B.3: SET-UP FOR ELECTROSTATIC DISCHARGES IMMUNITY(ESD) 4

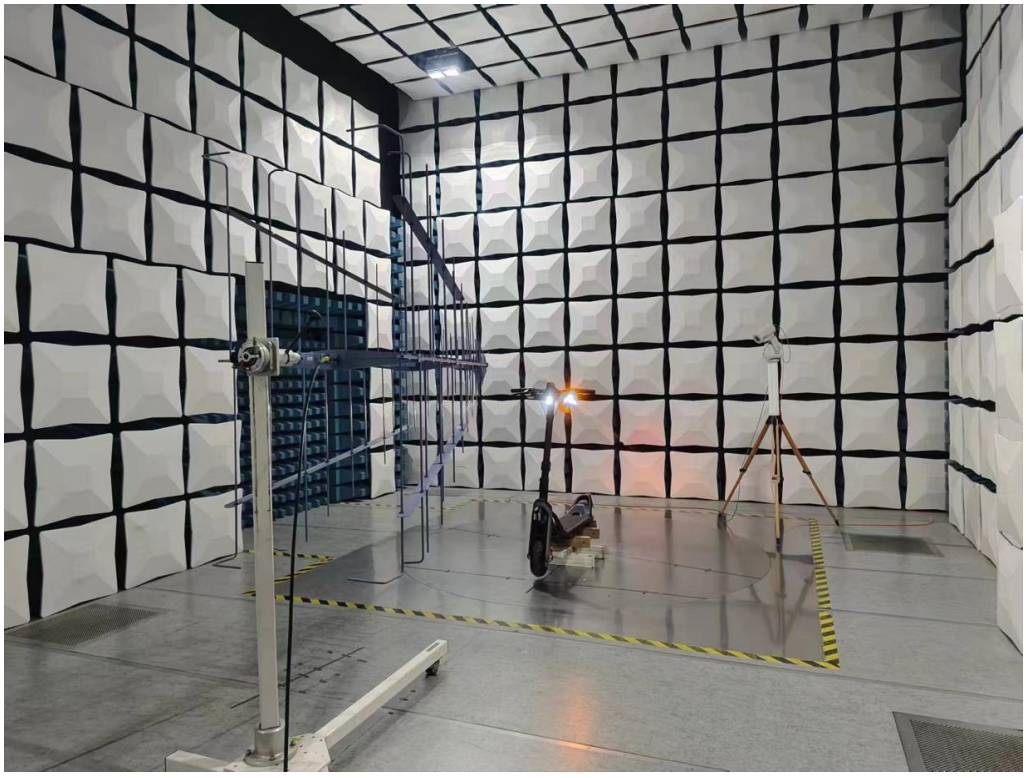
APPENDIX B.1: SET-UP FOR RADIATED EMISSIONS



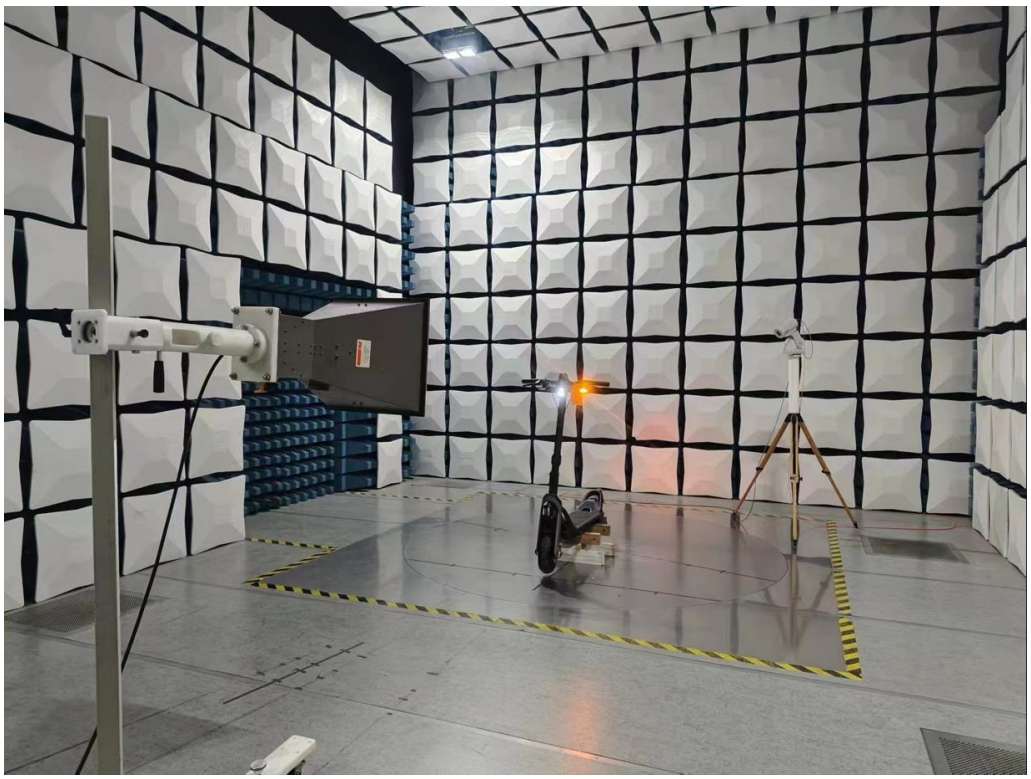
APPENDIX B.2: SET-UP FOR RADIO FREQUENCY ELECTROMAGNETIC FIELD



20-80MHz



80-1000MHz



1000-2000MHz

APPENDIX B.3: SET-UP FOR ELECTROSTATIC DISCHARGES IMMUNITY(ESD)



========== END OF APPENDIX ==========