

Prüfbericht-Nr.: Test Report No.:	CN24RI04 001	Auftrags-Nr.: Order No.:	326009910	Seite 1 von 21 Page 1 of 21
Kunden-Referenz-Nr.: Client Reference No.:	2549040	Auftragsdatum: Order date.:	2024-04-11	
Auftraggeber: Client:	Shenzhen Kukirin Technology Co., Ltd. Room 4F44913, Shenzhou Computer Building, Marie Curie Avenue, Vanke City Community, Bantian Street, Longgang District, Shenzhen City, 518129 Guangdong, P.R. China			
Prüfgegenstand: Test item:	Electric Scooter			
Bezeichnung / Typ-Nr.: Identification / Type No.:	G2 Pro			
Auftrags-Inhalt: Order content:	TÜV Rheinland EMC service			
Prüfgrundlage: Test specification:	EN 17128:2020, Annex B BS EN 17128:2020, Annex B			
Wareneingangsdatum: Date of receipt:	2024-06-11			
Prüfmuster-Nr.: Test sample No.:	A003735258-001			
Prüfzeitraum: Testing period:	Refer to test report			
Ort der Prüfung: Place of testing:	Refer to clause 1.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:			genehmigt von: authorized by:	
Datum: Date:	2024-08-13		Datum: Date:	2024-08-13
Stellung: / Position:	Project engineer		Stellung: / Position:	Reviewer
Sonstiges / Other:	The requirements of BS standard are identical to those of EN standard respectively. Refer to clause 2.2 for more information.			
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 specifications(s) F(ail) = failed a.m. test specifications(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. <i>This test report only relates to the a. m. 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.</i>				

Prüfbericht - Nr.: CN24RI04 001

Test Report No.:

Seite 2 von 21

Page 2 of 21

Anmerkungen

Remarks

- | | |
|---|--|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system.</i></p> <p><i>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p> |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p> |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen 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 bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>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.</i></p> |

Prüfbericht - Nr.: CN24RI04 001

Test Report No.:

Seite 3 von 21

Page 3 of 21

Revision history of test report:

Report number	Issue date	Contents and reason for change if appropriate
CN24RI04 001	2024-08-13	Initial release.

Contents

1	TEST SITES	5
1.1	TEST FACILITIES	5
2	GENERAL PRODUCT INFORMATION	6
2.1	PRODUCT FUNCTION AND INTENDED USE.....	6
2.2	RATINGS AND SYSTEM DETAILS	6
2.3	INDEPENDENT OPERATION MODES	6
2.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	6
2.5	SUBMITTED DOCUMENTS.....	6
3	TEST SET-UP AND OPERATION MODES	7
3.1	PRINCIPLE OF CONFIGURATION SELECTION	7
3.2	PHYSICAL CONFIGURATION FOR TESTING	7
3.3	TEST OPERATION AND TEST SOFTWARE.....	7
3.4	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	7
3.5	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	7
4	CONFORMITY DECISION RULE	8
5	TEST RESULTS EMISSION	9
5.1	EMISSION IN THE FREQUENCY RANGE ABOVE 30 MHz.....	9
5.1.1	<i>Radiated emission</i>	9
6	TEST RESULTS IMMUNITY	14
6.1	ENCLOSURE	15
6.1.1	<i>Electrostatic Discharge</i>	15
6.1.2	<i>RF electromagnetic field immunity test</i>	16
7	PHOTOGRAPHS OF THE TEST	18
8	LIST OF TEST AND MEASUREMENT INSTRUMENTS.....	20
9	LIST OF TABLES.....	21
10	LIST OF FIGURES.....	21
11	LIST OF PHOTOGRAPHS	21

1 Test Sites

1.1 Test Facilities

Laboratory: TÜV Rheinland (Suzhou) Co., Ltd.

Address: No.14 building and north half of No.10 workshop building, No.525, Yuewang Lingang South Road, Pingqian (Taicang) Modern Industrial Park, Shaxi Town, Taicang City, Jiangsu Province, China

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

Refer to Clause 8 for test and measurement instruments.

2 General Product Information

2.1 Product Function and Intended Use

The EUT (equipment under test) is an ordinary Electric scooter for riding and similar use. For the further information, refer to the user's manual.

2.2 Ratings and System Details

System input voltage	: DC 48 V
Rated power	: 500 W
Cut off speed	: 25 km/h
Protection class	: II

2.3 Independent Operation Modes

The basic operation modes are: "On" and "Off".

2.4 Noise Generating and Noise Suppressing Parts

Refer to the circuit diagram for further information.

2.5 Submitted Documents

Circuit diagram and rating label.

3 Test Set-up and Operation Modes

3.1 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.

3.2 Physical Configuration for Testing

Refer to the related paragraph of this report.

3.3 Test Operation and Test Software

Refer to the related paragraph of this report.

3.4 Special Accessories and Auxiliary Equipment

None.

3.5 Countermeasures to achieve EMC Compliance

No special measure is employed to achieve the requirement.

4 Conformity Decision Rule

For all EMI tests (when included in this report), as measurement uncertainties are less than the values U_{CISPR} given in CISPR 16-4-2, compliance with the limits is determined by comparing measurement results directly with corresponding limits without taking into consideration of measurement uncertainties. For all EMS tests (when included in this report), measurement uncertainties are not considered as well according to corresponding test standards.

5 Test Results EMISSION

5.1 Emission in the Frequency Range above 30 MHz

5.1.1 Radiated emission

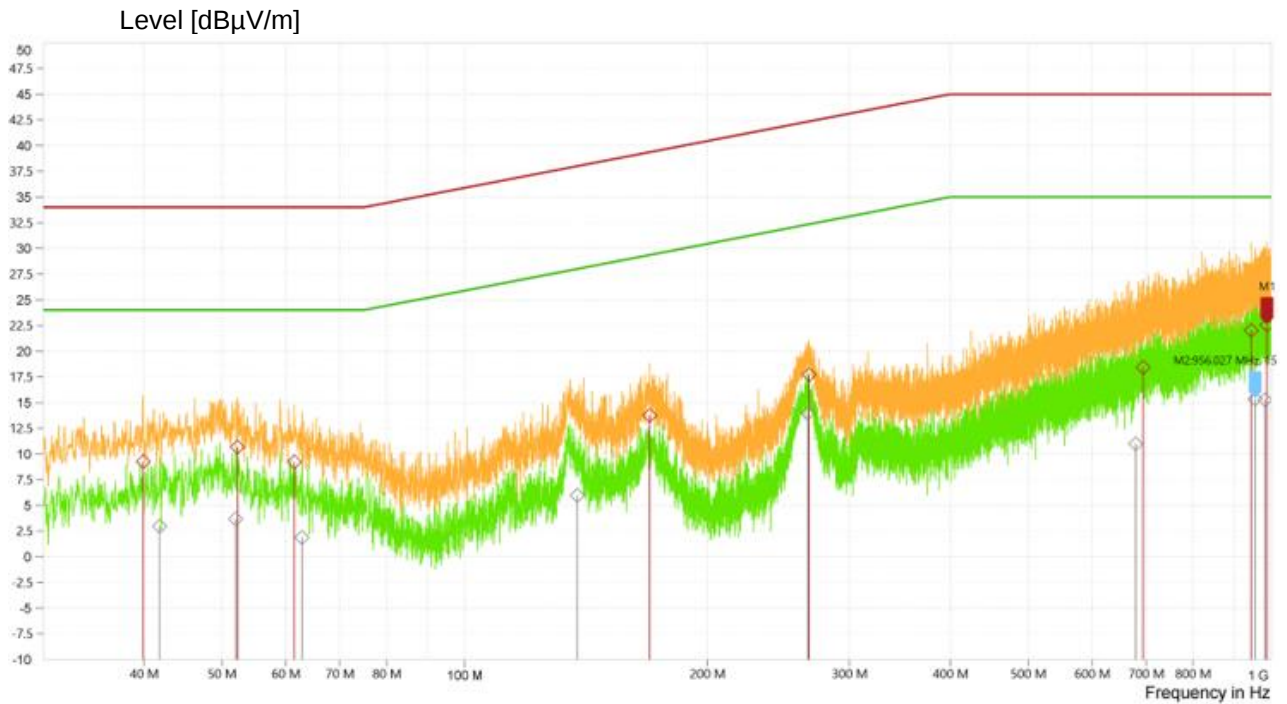
Result:	Passed
---------	--------

Date of testing	: 2024-07-17
Test procedure	: Annex B of EN 17128:2020
Frequency range	: 30 – 1000 MHz
Limits	: Quasi-peak limits (10 m test distance, broad-band): 30 – 75 MHz, 34 dB μ V/m; 75 – 400 MHz, 34 – 45 dB μ V/m (The limits increase linearly with the logarithm of the frequency); 400 – 1000 MHz, 45 dB μ V/m. Average value limits (10 m test distance, narrow-band): 30 – 75 MHz, 24 dB μ V/m; 75 – 400 MHz, 24 – 35 dB μ V/m (The limits increase linearly with the logarithm of the frequency); 400 – 1000 MHz, 35 dB μ V/m.
Kind of test site	: Semi-anechoic chamber
Operation modes	: Continuous working with 75 % $\pm$ 10 % rated power
Ambient condition	: Temperature: 23.5 °C; Relative humidity: 48.7 %
Expanded measurement uncertainty ($k=2$)	: 4.49 dB

The radiated disturbance test was carried out in a semi-anechoic chamber. The test distance from the receiving antenna to the EUT is 10 m. The normalized site attenuation of the semi-anechoic chamber is regularly calibrated to ensure the radiated disturbance test results are valid. During the test, the antenna was placed on the left and right sides of the EUT respectively and the height of the antenna was 3.0 m. The test was performed with the antenna both in its horizontal and vertical polarizations.

The following figures and tables were those measured by an automatic measurement system. A preview test was firstly performed with peak detector. The final test was performed with quasi-peak detector and average detector at those critical frequencies during the preview test. In the following figures, red “ $\diamond$ ” means measurement results with quasi-peak detector and black “ $\diamond$ ” means measurement results with average detector.

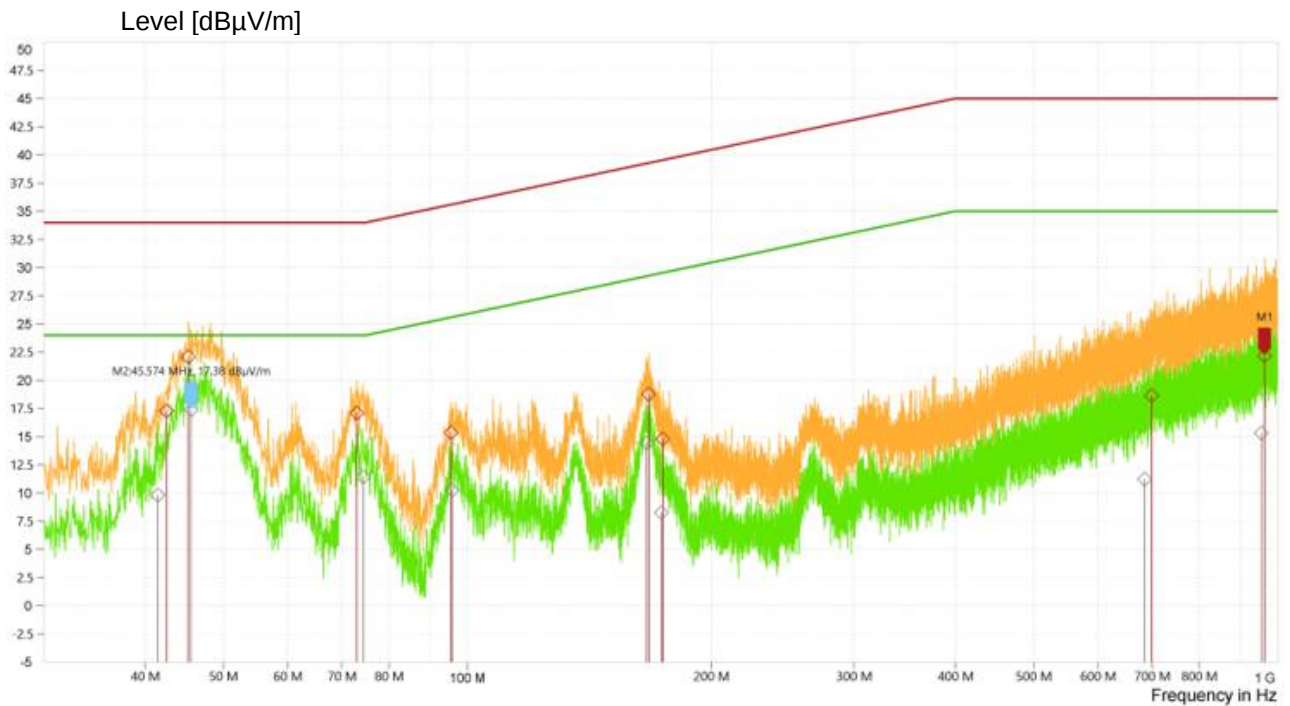
Figure 1: Spectral diagrams and measurement results, 30 – 1000 MHz, Horizontal polarization, Left side



Final measurement results:

Rg	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	CAV Level [dBμV/m]	CAV: AVG Limit [dBμV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	39.916	9.27	34.00	24.73				-8.04	H	-29	3
1	41.856				2.97	24.00	21.03	-7.83	H	-29	3
1	51.987				3.67	24.00	20.33	-7.39	H	-29	3
1	52.256	10.68	34.00	23.32				-7.39	H	-29	3
1	61.471	9.23	34.00	24.77				-8.15	H	-29	3
1	62.818				1.89	24.00	22.11	-8.26	H	-29	3
1	137.939				5.97	28.00	22.04	-7.34	H	-29	3
1	169.572	13.75	39.36	25.61				-6.72	H	-29	3
1	266.518				13.99	32.33	18.34	-6.23	H	-29	3
1	267.434	17.71	42.35	24.65				-6.04	H	-29	3
1	679.361				10.97	35.00	24.03	3.82	H	-29	3
1	694.396	18.42	45.00	26.58				4.36	H	-29	3
1	945.626	22.01	45.00	22.99				7.27	H	-29	3
1	956.027				15.35	35.00	19.65	7.54	H	-29	3
1	983.348				15.27	35.00	19.73	7.65	H	-29	3
1	988.629	22.54	45.00	22.46				7.48	H	-29	3

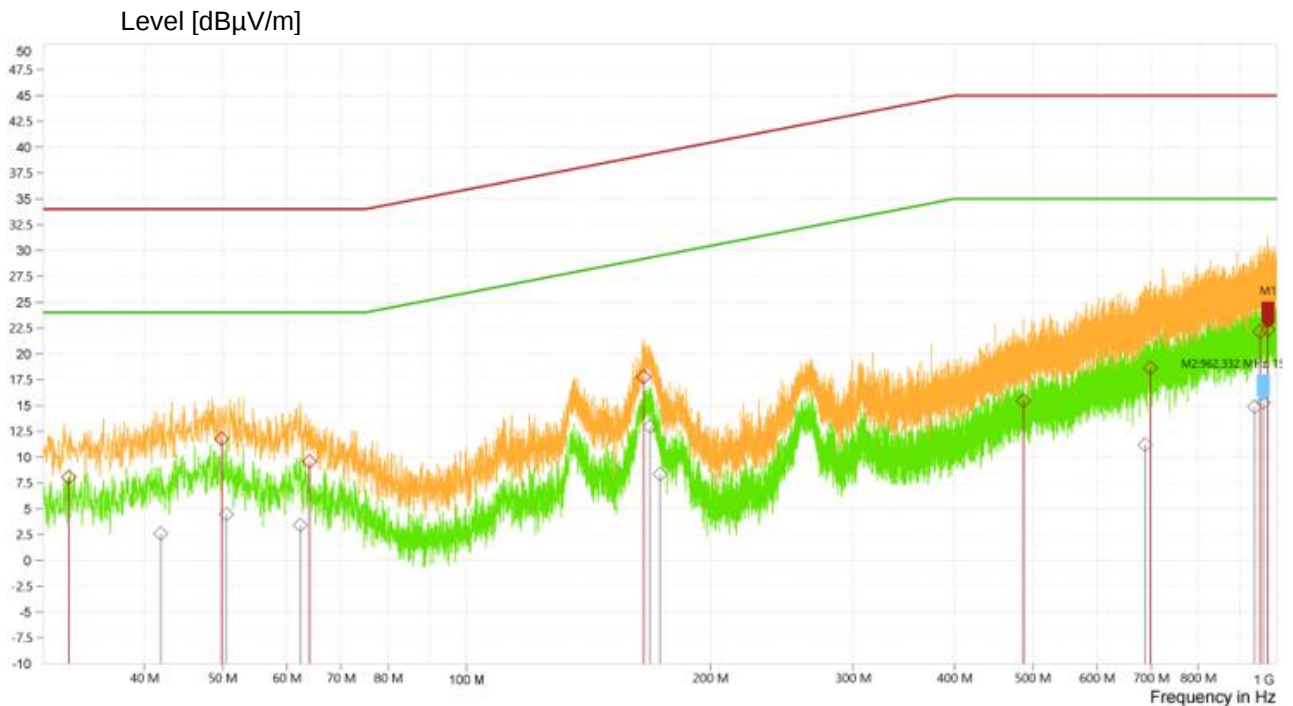
Figure 2: Spectral diagrams and measurement results, 30 – 1000 MHz, Vertical polarization, Left side



Final measurement results:

Rg	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	CAV Level [dBμV/m]	CAV: AVG Limit [dBμV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	41.478				9.82	24.00	14.18	-7.85	V	-29	3
1	42.502	17.28	34.00	16.72				-7.80	V	-29	3
1	45.251	22.07	34.00	11.93				-7.70	V	-29	3
1	45.574				17.38	24.00	6.62	-7.69	V	-29	3
1	73.057	17.07	34.00	16.93				-10.20	V	-29	3
1	74.404				11.44	24.00	12.56	-10.36	V	-29	3
1	95.475	15.37	35.59	20.22				-12.48	V	-29	3
1	95.744				10.24	25.60	15.36	-12.41	V	-29	3
1	166.231				14.44	29.23	14.79	-6.83	V	-29	3
1	167.363	18.76	39.27	20.52				-6.83	V	-29	3
1	173.506				8.24	29.51	21.27	-6.89	V	-29	3
1	174.261	14.78	39.54	24.76				-7.08	V	-29	3
1	685.343				11.21	35.00	23.79	4.01	V	-29	3
1	699.192	18.64	45.00	26.36				4.26	V	-29	3
1	955.272				15.31	35.00	19.69	7.50	V	-29	3
1	963.463	22.19	45.00	22.81				7.59	V	-29	3

Figure 3: Spectral diagrams and measurement results, 30 – 1000 MHz, Horizontal polarization, Right side



Final measurement results:

Rg	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	CAV Level [dBμV/m]	CAV: AVG Limit [dBμV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	32.263	8.06	34.00	25.94				-9.11	H	129	3
1	41.909				2.61	24.00	21.39	-7.83	H	129	3
1	49.831	11.76	34.00	22.24				-7.48	H	129	3
1	50.532				4.48	24.00	19.52	-7.44	H	129	3
1	62.333				3.40	24.00	20.60	-8.21	H	129	3
1	63.950	9.58	34.00	24.42				-8.46	H	129	3
1	165.315	17.76	39.19	21.44				-6.74	H	129	3
1	168.441				12.94	29.32	16.38	-6.77	H	129	3
1	173.291				8.34	29.50	21.16	-6.83	H	129	3
1	486.870	15.45	45.00	29.55				0.37	H	129	3
1	688.199				11.19	35.00	23.81	4.11	H	129	3
1	698.815	18.64	45.00	26.36				4.30	H	129	3
1	939.375				14.88	35.00	20.12	7.30	H	129	3
1	954.464	22.15	45.00	22.85				7.49	H	129	3
1	962.332				15.29	35.00	19.71	7.65	H	129	3
1	975.966	22.34	45.00	22.66				7.85	H	129	3

Figure 4: Spectral diagrams and measurement results, 30 – 1000 MHz, Vertical polarization, Right side



Final measurement results:

Rg	Frequency [MHz]	QPK Level [dBμV/m]	QPK Limit [dBμV/m]	QPK Margin [dB]	CAV Level [dBμV/m]	CAV: AVG Limit [dBμV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	41.963	17.73	34.00	16.27	13.26	24.00	10.74	-7.82	V	129	3
1	44.227	22.06	34.00	11.94				-7.74	V	129	3
1	45.143				18.57	24.00	5.43	-7.71	V	129	3
1	73.003	17.82	34.00	16.18				-10.19	V	129	3
1	73.273				12.52	24.00	11.48	-10.22	V	129	3
1	121.234	17.16	37.16	20.00	8.67	27.16	18.49	-9.16	V	129	3
1	165.962	19.93	39.22	19.29				-6.82	V	129	3
1	166.016				15.66	29.22	13.56	-6.82	V	129	3
1	174.746	16.70	39.56	22.86	9.54	29.56	20.02	-7.20	V	129	3
1	662.171				10.81	35.00	24.19	3.56	V	129	3
1	690.678	18.46	45.00	26.54				4.13	V	129	3
1	971.924	22.44	45.00	22.56				7.65	V	129	3
1	985.342				15.32	35.00	19.68	7.60	V	129	3

6 Test Results I M M U N I T Y

During the immunity tests, the EUT was operated under conditions specified by clause 3.1 and clause 6.1.2 of this report.

Performance criterion: A vehicle is deemed to fulfil 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 Electrostatic Discharge

Result:	Passed
----------------	---------------

During the test, the EUT was placed on 0.1 m wooden support above the ground plane. The minimum distance between the EUT and all other conductive structures except the ground plane beneath the EUT is more than 0.5 m. The size of the reference ground plane is more than 2 m by 2 m.

A vertical coupling plane (VCP) of dimensions 0.5 m x 0.5 m is placed parallel to and positioned at a distance of 0.1 m from the EUT.

Date of testing	: 2024-07-18
Test procedure	: EN 61000-4-2:2009
Test level	: Annex B.8 of EN 17128:2020 ± 4.0 kV contact discharge; ± 8.0 kV air discharge
Polarity	: Positive / Negative
Number of discharges	: ≥ 10 for contact discharge at each point; ≥ 10 for air discharge at each point
Mode of the EUT	: Continuously working
Performance criteria	: B, temporary loss of function or degradation of performance which ceases after the disturbance ceases, and from which the equipment under test recovers its normal performance, without operator intervention
Ambient condition	: Temperature: 23 °C; Relative humidity: 54 %
Atmospheric pressure	: 100.7 kPa

Table 1: Electrostatic discharge immunity test results

Position	Kind of Discharge	Remarks
Screws	Contact discharge	During the test, the EUT can operate as intended.
Metal case	Contact discharge	During the test, the EUT can operate as intended.
Panel	Air discharge	During the test, the EUT can operate as intended.
Button	Air discharge	During the test, the EUT can operate as intended.
Lamps	Air discharge	During the test, the EUT can operate as intended.
VCP	Contact discharge	During the test, the EUT can operate as intended.

6.1.2 RF electromagnetic field immunity test

Result:	Passed
----------------	---------------

During the tests on the vehicle, only non-interference-generating equipment may be used. Under normal conditions, the vehicle was facing the antenna. The phase mid-point of all antennas was not less than 1.5 m above the vehicle plane. No part of the antenna radiator elements was less than 0.25 m from the vehicle plane. Greater homogeneity of the field might be obtained by placing the field generator as far as technically possible from the vehicle. The actual measuring distance was 2 m. The radiator elements of the field generator were not less than 0.5 m from any type of radio frequency absorption material and not less than 1.5 m from the wall of the installation in question. There was no absorption material between the transmitting antenna and the vehicle under test.

The field generator shall be positioned in the median longitudinal plane of the vehicle. The reference point was the point at which the field strengths were established and was defined as follows: a) horizontally, at least 2 m from the antenna phase mid-point; b) in the median longitudinal plane of the vehicle; c) at a height of (1.0 ± 0.05) m above the vehicle plane; and at (0.2 ± 0.2) m behind the vertical centre line of the vehicle's front wheel in the case of bicycles. The "substitution method" was used for the purpose of creating the field test conditions. During the calibration phase (before the vehicle was positioned on the test surface) the field strength was not less than 50 % of the nominal field strength at the following location: for all field-generating devices, (1.0 ± 0.02) m on either side of the reference point on a line passing through this point, and perpendicular to the median longitudinal plane of the vehicle.

During the tests, except standstill mode, the engine of the EUT turned the driving wheels at a constant speed predetermined. All vehicle systems were operating normally. There was no electrical connection between the vehicle and the test surface and no connections between the vehicle and the equipment, contact between the wheels and the test surface was not regarded as an electrical connection.

Date of testing	: 2024-07-17
Basic standard	: Annex B.4 of EN 17128:2020
Test level	: 30 V/m
Frequency range	: 20 – 2000 MHz
Modulation	: 80 % 1 kHz AM
Frequency scan speed	: Frequency step: Linear step (according to ISO 11451-1) Dwell time: 2 s
Mode of the EUT	: Standstill mode & 90 % of the design max. assistance speed.
Performance criteria	: Refer to page 14
Ambient condition	: Temperature: 24 °C; Relative humidity: 58 %

Table 2: RF electromagnetic field immunity test results

Polarization	Position	Result	Remarks
Vertical	Front side	Pass	The EUT can meet the requirements as described on page 14 of this report.

The following figures were calibration curves of the substitution test method.

Figure 5: Spectral diagrams of calibration for electromagnetic radiation immunity test, 20 – 80 MHz

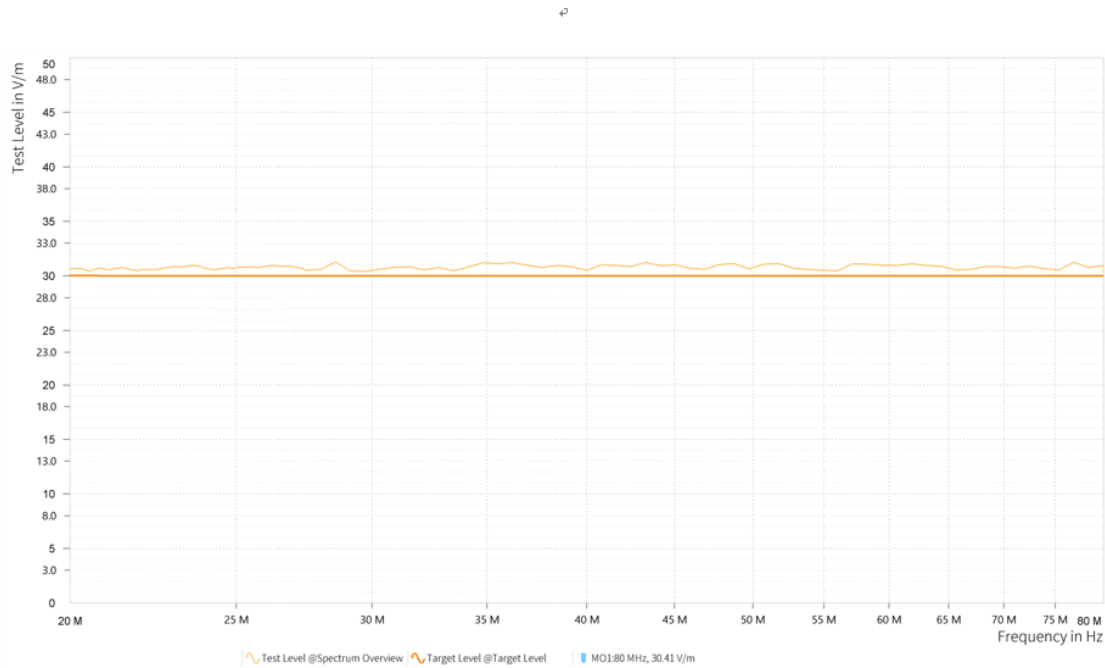
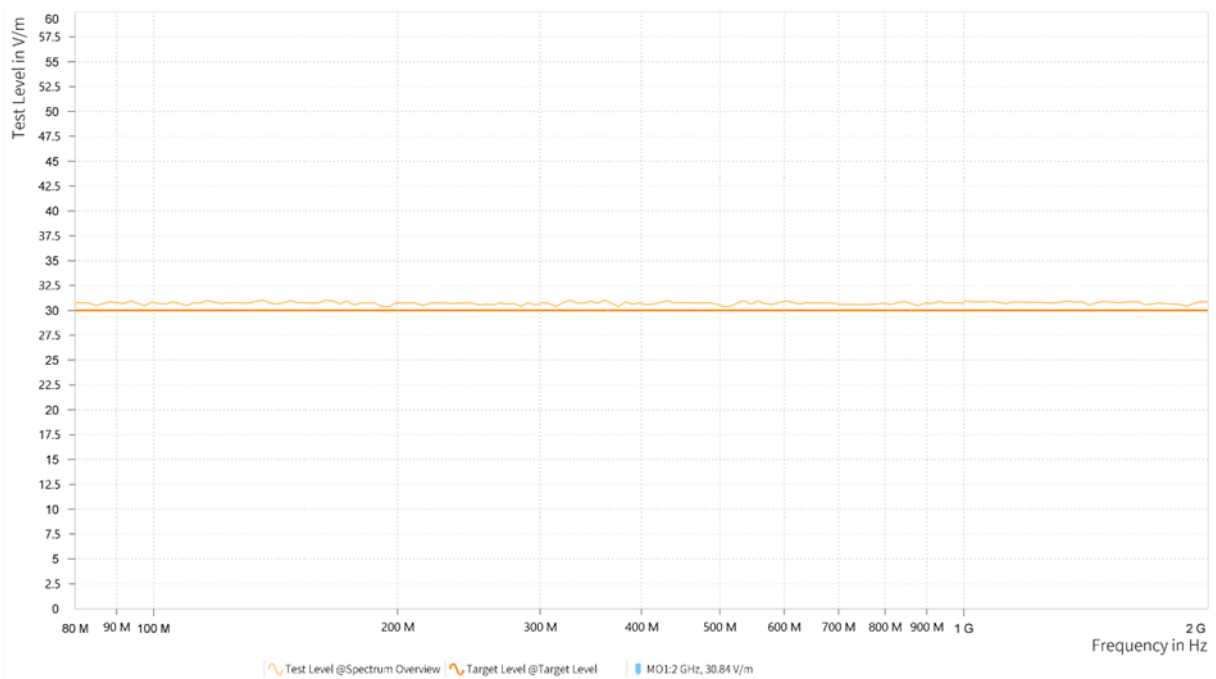
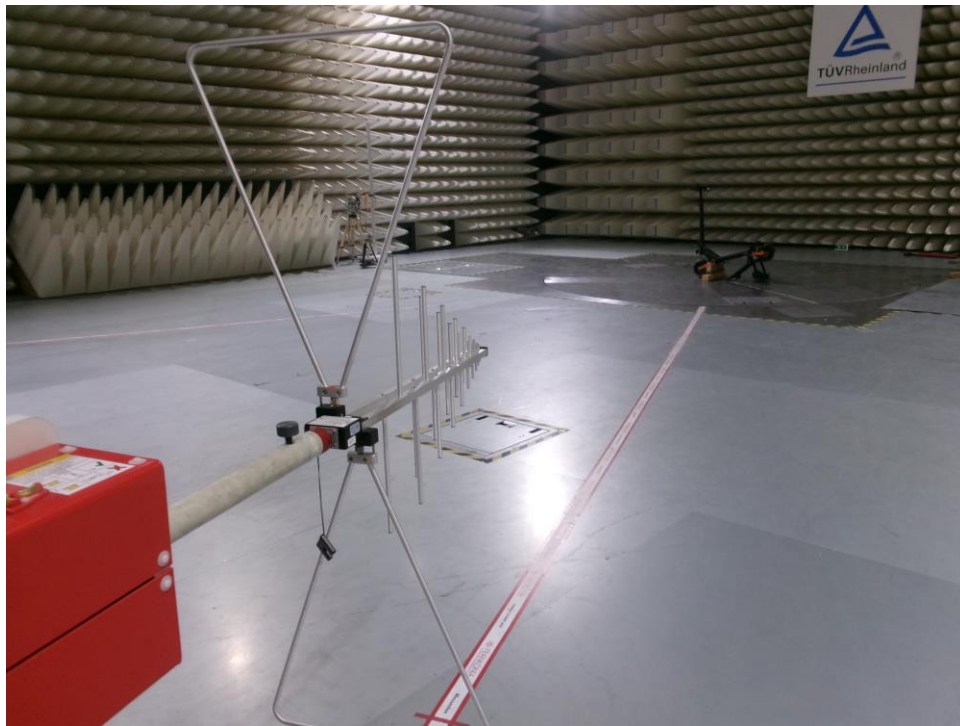


Figure 6: Spectral diagrams of calibration for electromagnetic radiation immunity test, 80 – 2000 MHz



7 Photographs of the Test

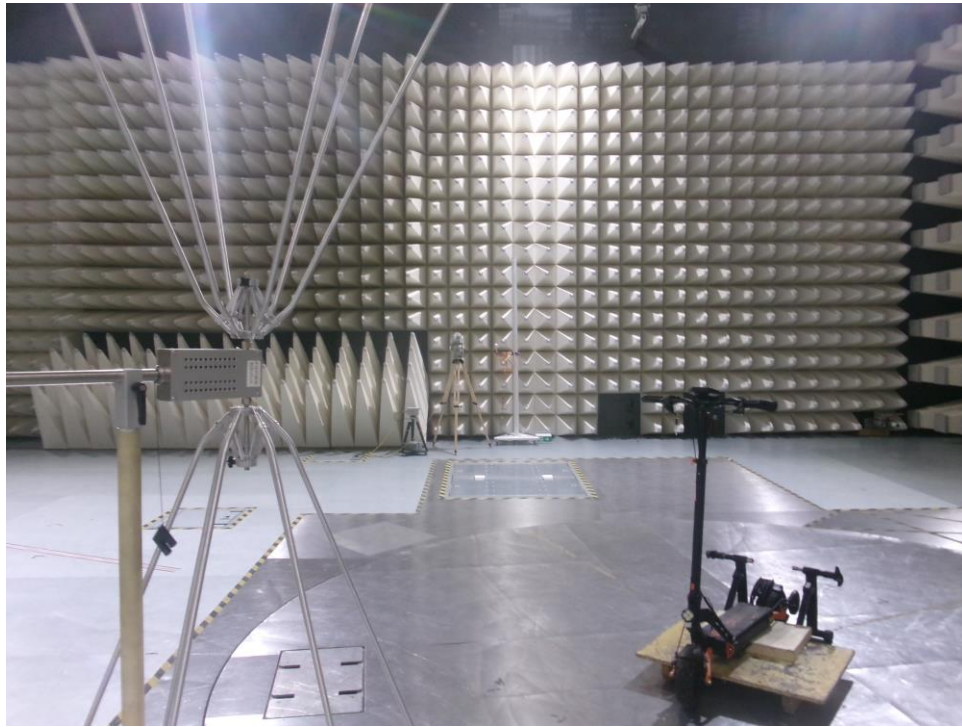
Photograph 1: Set-up of radiated emission measurement



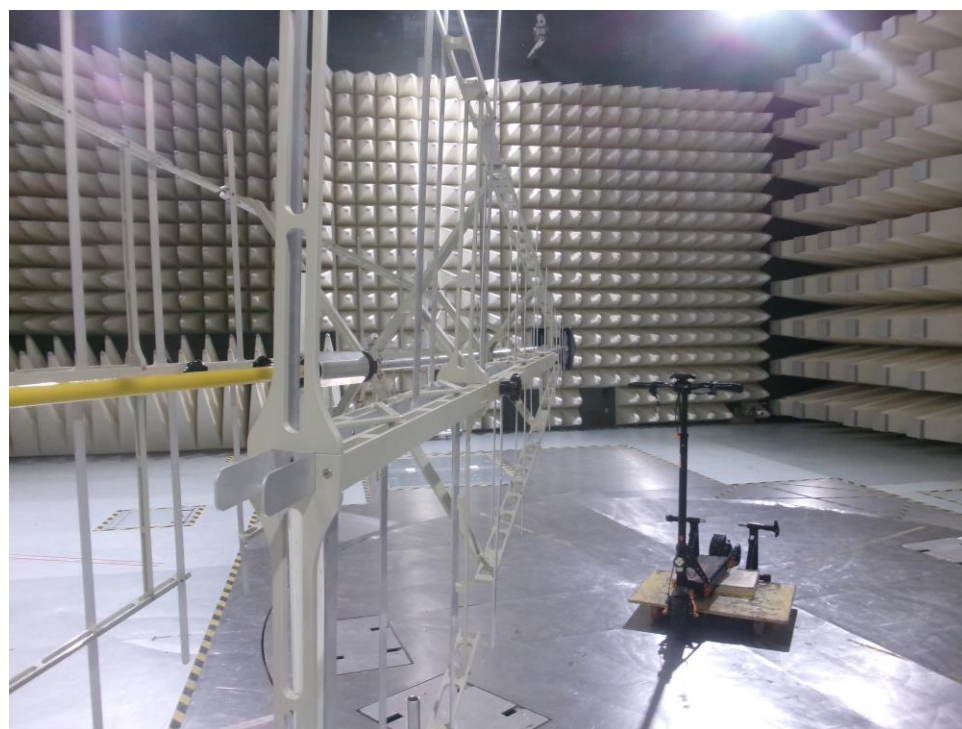
Photograph 2: Set-up of electrostatic discharge immunity test



Photograph 3: Set-up of RF electromagnetic field immunity test



(20 – 80 MHz)



(80 – 2000 MHz)

Prüfbericht - Nr.: CN24RI04 001
Test Report No.:

Seite 20 von 21
Page 20 of 21

8 List of Test and Measurement Instruments

Equip.	Description	Model	Manufacturer	Last Date DD.MM.YYYY	Due Date DD.MM.YYYY
9053508	10 m semi-anechoic chamber	SAC10-5	Frankonia	16.07.2023	16.07.2026
9053514	EMI test receiver	ESR3	Rohde & Schwarz	25.10.2023	25.10.2024
9053507	Current sensor	DS200UB1-10V	Danisense	14.11.2022	14.11.2024
9058428	Trilog broadband antenna	VULB 9163	Schwarzbeck	16.08.2022	16.08.2025
9059155	EMC measurement software RE	ELEKTRA 4.61.0	Rohde & Schwarz	NA*	NA*
9047660	ESD generator	NSG 437	Teseq	21.03.2024	21.03.2025
9053474	Signal generator	SMB100B	Rohde & Schwarz	15.12.2023	15.12.2024
9053489	Broadband amplifier	BBA150 A1300	Rohde & Schwarz	17.10.2023	17.10.2024
9053490	Broadband amplifier	BBA150 BC500	Rohde & Schwarz	17.10.2023	17.10.2024
9053491	Broadband amplifier	BBA150 D200	Rohde & Schwarz	17.10.2023	17.10.2024
9053486	Power sensor	NRP6A	Rohde & Schwarz	16.10.2023	16.10.2024
9053487	Power sensor	NRP6A	Rohde & Schwarz	16.10.2023	16.10.2024
9053488	Isotropic field sensor	LSPROBE	LUMILOOP	14.11.2023	14.11.2024
9059151	Horn antenna	BBHA 9120 E	Schwarzbeck	NA*	NA*
9059152	Conical elements	VHBD 9134 + BBFA 914	Schwarzbeck	NA*	NA*
9059154	EMC measurement software RS	ELEKTRA 4.42.0	Rohde & Schwarz	NA*	NA*

9 List of Tables

Table 1: Electrostatic discharge immunity test results	15
Table 2: RF electromagnetic field immunity test results.....	16

10 List of Figures

Figure 1: Spectral diagrams and measurement results, 30 – 1000 MHz, Horizontal polarization, Left side	10
Figure 2: Spectral diagrams and measurement results, 30 – 1000 MHz, Vertical polarization, Left side.....	11
Figure 3: Spectral diagrams and measurement results, 30 – 1000 MHz, Horizontal polarization, Right side	12
Figure 4: Spectral diagrams and measurement results, 30 – 1000 MHz, Vertical polarization, Right side	13
Figure 5: Spectral diagrams of calibration for electromagnetic radiation immunity test, 20 – 80 MHz	17
Figure 6: Spectral diagrams of calibration for electromagnetic radiation immunity test, 80 – 2000 MHz	17

11 List of Photographs

Photograph 1: Set-up of radiated emission measurement	18
Photograph 2: Set-up of electrostatic discharge immunity test	18
Photograph 3: Set-up of RF electromagnetic field immunity test	19

End of Test Report