

Page 1 of 25

Report No.: OViS202405010E-R1

EMC REPORT

Product Type:

Motor Unit

DUCA®

Model No.:

GEX-MSS 15-40,GEX-MSS 15-50,GEX-MSS 15-60,GEX-MSS 15-65, GEX-MSS 15-70,GEX-MSS 15-75,GEX-MSS 15-80,GEX-FCI 15-50, GEX 15-50,GEX-FCI 15-60,GEX 15-60,GEX-FCI 15-65,GEX 15-65, GEX-FCI 15-70,GEX 15-70,GEX-FCI 15-75,GEX 15-75,GEX 15-40, GEX-FCI 15-80,GEX 15-80,TEX 15-50,BPE-W 15-50,TEX 15-60, BPE-W 15-60,TEX 15-65,BPE-W 15-65,TEX 15-70,BPE-W 15-70, TEX 15-75,BPE-W 15-75,TEX 15-80,BPE-W 15-80,WEX-INT 15-50, WEX-FCI 15-50,WEX 15-50,WEX-INT 15-60,WEX-FCI 15-60,WEX 15-60, WEX-FCI 15-70,WEX 15-50,WEX-INT 15-65,WEX-INT 15-70, WEX-FCI 15-70,WEX 15-70,WEX-INT 15-75,WEX-FCI 15-75,WEX 15-75, WEX-FCI 15-70,WEX 15-70,WEX-INT 15-75,WEX-FCI 15-75,WEX 15-75, WEX-INT 15-80,WEX-FCI 15-80,WEX 15-80

Trademark:

Applicant:

Worimex Iklimlendirme Sistemleri Sanayi ve Ticaret A.s. Zafer Mahallesi 146.sokak No: 13A Esenyurt/istanbul

Manufacturer:

Worimex Iklimlendirme Sistemleri Sanayi ve Ticaret A.s. Zafer Mahallesi 146.sokak No: 13A Esenyurt/istanbul

Factory:

Worimex Iklimlendirme Sistemleri Sanayi ve Ticaret A.s. Zafer Mahallesi 146.sokak No: 13A Esenyurt/istanbul

Report Number: OViS202405010E-R1

Testing Standard:

EN IEC 61000-6-4:2019,EN IEC 61000-6-2:2019, BS EN IEC 61000-6-4:2019,BS EN IEC 61000-6-2:2019

Date of Test:

Apr. 26,2024 to May 16,2024

Date of Report:

May 17,2024

Test Result:

🖄 Positive

Negative

This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability.Indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or moission caused by our negligence. Provided however, that such notice shall be in writing and shall specificatily address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

欧非亚美检测技术(浙江)有限公司(OViS) OViS Testing Technology (Zhejiang) Co., Ltd. 地址:浙江省台州市粮江区下陈街道飞跃科创园 31 幢 旦 www.ovis-lab.com ⊠ info@ovis-lab.com Add:Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, China





OVIS-CERT OVIS-C ONIS CERT ON

04:52	OVIS-CERT	Page	e 2 of 25 R	eport No.:OViS202405010E-R1
		Revisior	n Record	
0413	Version	Description	Date	Remark
	Ver.0.0	Original	May 17,2024	OViS202405010E
	Ver.1.0	1.The manufacturer and factory information was modified. 2.The trademark was added.	Jun. 11,2024	OViS202405010E-R1





2 Test Summary

Emission Part	ONIS ONIS ONIS	ONIS ONIS	0413 04	13 ON.
ltem	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	EN IEC 61000-6- 4:2019	CISPR 16-2-1	N/A	Pass
Radiated Emissions (30MHz-1GHz)	EN IEC 61000-6- 2:2019	CISPR 16-2-3	N/A	Pass

Immunity Part				
Item	Standard	Method	Requirement	Result
Electrostatic Discharge	SCHAL WISCHAL	EN 61000-4-2:2009	4kV Contact Discharge 8kV Air Discharge	Pass
Electrical Fast Transients/Burst at Power Port		EN 61000-4-4:2012	2kV 5/50ns Tr/Td 5 or 100kHz Repetition Frequency	Pass
Surge at Power Port	Softhin Softhing	EN 61000-4-5:2014 +A1:2017	1.2/50µs Tr/Td 1kV Line to Line 2kV Line to Ground	Pass
Conducted Immunity at Power Port (150kHz-80MHz)	2:2019	EN 61000-4-6:2014	10Vrms (emf),80%,1kHz Amp. Mod.	Pass
Voltage Dips and Interruptions		EN 61000-4-11:2004 +A1:2017	0 % UT for 1per 40 % UT for 10per 70 % UT for 25per 0 % UT for 250per UT is Supply Voltage	Pass
Radiated Immunity (80MHz-3.6GHz)	SCEPT OVISCEPT	EN 61000-4-3:2006 +A1:2008+A2:20 10	10V/m, 80%, 1kHz Amp. Mod. 3V/m, 80%, 1kHz Amp. Mod.	Pass

Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model GEX-MSS 15-75 was tested since their differences were the model number and appearance.

Remark:

For detail, see relrbant information on General product information BS standards are identical with EN standards

This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability.indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. Provided however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this conducted and the correctness of the report contents.



Process Page 4 of 2 Report NO. CONSTRUCTION 3 Contents Page 1 4 COVER PAGE 1 1 5 Contents 3 3 6 CONTENTS 3 3 6 CONTENTS 3 3 6 CONTENTS 3 3 7 DETAILS OF EUIT 4 4 7 DESCRIPTION OF SUPPORT UNITS 4 7 DEVITION FROM STANDARDS 8 6 EQUIPMENT LIST 5 6 EQUIPMENT LIST 8 7 ONUTORING OF EUT FOR ALL IMMUNITY TEST 8 6.1 CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) 8 7 IMMUNITY TEST RESULTS 8 7 IMMUNITY TEST RESULTS 14 7.1 PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019 14 7.2 ELECTROSTATIC DISCHARGE 15 7.3 ELECTROSTATIC DISCHARGE 16 7.4 CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP 24		The outer outer outer outer outer outer outer outer
ContentsPageCOVER PAGE1TEST SUMMARY2CONTENTS3GENERAL INFORMATION41DETAILS OF E.U.T1DETAILS OF E.U.T2DESCRIPTION OF SUPPORT UNITS3MEASUREMENT UNCERTAINTY4445DEVIATION FROM STANDARDS46AENORMALITIES FROM STANDARDS47MONITORING OF EUT FOR ALL IMMUNITY TEST48EMISSION TEST RESULTS49EMISSION STANDARDS41CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)41PERFORMATIC DISCIMERTINS/BURST AT POWER PORT42ELECTROSTATIC DISCHARGE43ELECTROSTATIC DISCHARGE44SURGE AT POWER PORT45CONDUCTED EMISSIONS (30MHz-1GHz)46VOLTAGE DIPS AND INTERRUPTIONS47MADIATED IMMUNITY AT POWER PORT (150kHz-30MHz)48SURGE AT POWER PORT44SURGE AT POWER PORT45CONDUCTED EMISSIONS (30MHz-3.6GHz)46VOLTAGE DIPS AND INTERRUPTIONS47RADIATED IMMUNITY (80MHz-3.6GHz)48SURGE AT POWER PORT (150kHz-30MHz) TEST SETUP44SURGE AT POWER PORT TEST SETUP45CONDUCTED EMISSIONS (30MHz-1GHz) TEST SETUP46VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP47RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP48SURGE AT POWER PORT TEST SETUP49CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP49CONDUCTED EMISSIONS AT MAINS TERMINALS (ViS-CE	RT Page 4 of 25 Report No.:OViS202405010E-R1
COVER PAGE11TEST SUMMARY22CONTENTS33GENERAL INFORMATION41.1DETAILS OF E.U.T41.2DESCRIPTION OF SUPPORT UNITS41.3MEASUREMENT UNCERTAINTY41.4TEST LOCATION41.5DEVIATION FOM STANDARDS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.7MONITORING OF EUT FOR ALL IMMUNITY TEST52.8EQUIPMENT LIST53.9EQUIPMENT LIST53.0ENDINTER RESULTS83.1CONDUCTED EMISSIONS (30MHz-1GHz)111.7IMMUNITY TEST RESULTS141.9PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019141.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019141.2ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT162.9SURGE AT POWER PORT150202.1ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT162.2CONDUCTED IMMUNITY (20MHz-3.6GHz)212.3ELECTR	3 Con	tents Page
2TEST SUMMARY23CONTENTS34GENERAL INFORMATION44DETAILS OF EU.T41DETAILS OF EU.T41DESCRIPTION OF SUPPORT UNITS41.3MEASUREMENT UNCERTAINTY41.4TEST LOCATION41.5DEVIATION FROM STANDARDS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.7MONITORING OF EUT FOR ALL IMMUNITY TEST55EQUIPMENT LIST55EQUIPMENT LIST58.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)87.1RADIATED EMISSIONS (30MHz-1GHz)117IMMUNITY TEST RESULTS147.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019147.2ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz)217.6VOLTAGE DIPS AND INTERRUPTIONS227.7RADIATED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP237.8ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP237.9CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP237.8 <th>1</th> <th>COVER PAGE 1</th>	1	COVER PAGE 1
BCONTENTS3GENERAL INFORMATION4L1DETAILS OF EU.T4L2DESCRIPTION OF SUPPORT UNITS4L3MEASUREMENT UNCERTAINTY4L4TEST LOCATION4L5DEVIATION FROM STANDARDS4L6ABNORMALITIES FROM STANDARD CONDITIONS4L6ABNORMALITIES FROM STANDARD CONDITIONS4L6ABNORMALITIES FROM STANDARD CONDITIONS4L6ABNORMALITIES FROM STANDARD CONDITIONS4L6ABNORMALITIES FROM STANDARD CONDITIONS4L7MONITORING OF EUT FOR ALL IMMUNITY TEST4L8EQUIPMENT LIST5EQUIPMENT LIST5EQUIPMENT LIST8RADIATED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)8L7IMMUNITY TEST RESULTS14L7IMMUNITY TEST RESULTS14L1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:201914L1ELECTROSTATIC DISCHARGE15L1ELECTROSTATIC DISCHARGE15L2ELECTROSTATIC DISCHARGE15L2ELECTROSTATIC DISCHARGE17CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)19Z6VOLTAGE DIPS AND INTERRUPTIONS20Z7RADIATED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP22Z8PHOTOGRAPHS22Z9RADIATED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP23Z9RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP23Z9	2, 0	TEST SUMMARY 2
Image: state of the state of	3	CONTENTS 3
1.1DETAILS OF E.U.T41.2DESCRIPTION OF SUPPORT UNITS41.3MEASUREMENT UNCERTAINTY41.4TEST LOCATION41.5DEVIATION FROM STANDARDS41.6ABNORMALITIES FROM STANDARD CONDITIONS41.6ABNORMALITIES FROM STANDARD CONDITIONS42.6CONDUCTING OF EUT FOR ALL IMMUNITY TEST42.7MONITORING OF EUT FOR ALL IMMUNITY TEST52.8EMISSION TEST RESULTS82.1CONDUCTED EMISSIONS (30MHz-1GHz)111.7IMMUNITY TEST RESULTS142.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019142.2ELECTROSTATIC DISCHARGE152.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT162.4SURGE AT POWER PORT172.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)192.6VOLTAGE DIPS AND INTERRUPTIONS202.7RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP232.8PHOTOGRAPHS222.9RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP232.9CONDUCTED EMISSIONS (30MHz-1GHz) TEST SETUP232.9RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP242.9RADIATED EMISSIONS (30MHz-1GHz) TEST SE	1 5	GENERAL INFORMATION 4
42DESCRIPTION OF SUPPORT UNITS443.3MEASUREMENT UNCERTAINTY444.4TEST LOCATION445.5DEVIATION FROM STANDARDS446.6ABNORMALITIES FROM STANDARD CONDITIONS447.7MONITORING OF EUT FOR ALL IMMUNITY TEST448.6EQUIPMENT LIST549.7MONITORING OF EUT FOR ALL IMMUNITY TEST440.7MONITORING OF EUT FOR ALL IMMUNITY TEST440.8EQUIPMENT LIST550EMISSION TEST RESULTS851CONDUCTED EMISSIONS (30MH2-1GH2)1171IMMUNITY TEST RESULTS1472ELECTROSTATIC DISCHARGE1573ELECTROSTATIC DISCHARGE1574SURGE AT POWER PORT1675CONDUCTED IMMUNITY AT POWER PORT (150KH2-80MH2)1976VOLTAGE DIPS AND INTERRUPTIONS2077RADIATED IMMUNITY (80MH2-3.6GH2)2178PHOTOGRAPHS2279CONDUCTED EMISSIONS AT MAINS TERMINALS (150KH2-30MH2) TEST SETUP2271CONDUCTED EMISSIONS (30MH2-1GH2) TEST SETUP2372RADIATED EMISSIONS (30MH2-1GH2) TEST SETUP2373ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP2374SURGE AT POWER PORT TEST SETUP2375CONDUCTED EMISSIONS (30MH2-1GH2) TEST SETUP2476VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2377RADIATED IMMUNITY AT POWER PORT (150KH2-80MH2) TEST SETUP24	4.1	DETAILS OF E.U.T 4
13MEASUREMENT UNCERTAINTY414TEST LOCATION415DEVIATION FROM STANDARDS416ABNORMALITIES FROM STANDARD CONDITIONS416ABNORMALITIES FROM STANDARD CONDITIONS417MONITORING OF EUT FOR ALL IMMUNITY TEST418EQUIPMENT LIST519EQUIPMENT LIST520EMISSION TEST RESULTS821CONDUCTED EMISSIONS (30MHz-1GHz)1111IMMUNITY TEST RESULTS1422ELECTROSTATIC DISCHARGE1523ELECTROSTATIC DISCHARGE1524SURGE AT POWER PORT1625CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)1926VOLTAGE DIPS AND INTERRUPTIONS2027RADIATED EMISSIONS (30MHz-1GHz)2128PHOTOGRAPHS2229RADIATED EMISSIONS AT MAINS TERMINALS (150KHz-30MHz) TEST SETUP2220RADIATED IMMUNITY (80MHz-3.6GHz)2121PHOTOGRAPHS2222RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP2323ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP2324SURGE AT POWER PORT TEST SETUP2325CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz) TEST SETUP2426VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2427RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP2428SURGE AT POWER PORT TEST SETUP2529SURGE AT POWER PORT TEST SETUP25	1.2	DESCRIPTION OF SUPPORT UNITS 4
14TEST LOCATION415DEVIATION FROM STANDARDS416ABNORMALITIES FROM STANDARD CONDITIONS417MONITORING OF EUT FOR ALL IMMUNITY TEST416EQUIPMENT LIST517EQUIPMENT LIST518EMISSION TEST RESULTS819CONDUCTED EMISSIONS AT MAINS TERMINALS (150kH2-30MH82)810CONDUCTED EMISSIONS (30MH2-1GH2)1111IMMUNITY TEST RESULTS1412ELECTROSTATIC DISCHARGE1513ELECTROSTATIC DISCHARGE1514SURGE AT POWER PORT1615CONDUCTED IMMUNITY AT POWER PORT (150KH2-80MHz)1916VOLTAGE DIPS AND INTERRUPTIONS2017RADIATED EMISSIONS (30MH2-3.6GHz)2118PHOTOGRAPHS2219CONDUCTED EMISSIONS AT MAINS TERMINALS (150kH2-30MH2) TEST SETUP2219PHOTOGRAPHS2210CONDUCTED EMISSIONS AT MAINS TERMINALS (150kH2-30MH2) TEST SETUP2313ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP2314SURGE AT POWER PORT TEST SETUP2315CONDUCTED EMISSIONS (30MH2-1GH2) TEST SETUP2316SURGE AT POWER PORT TEST SETUP2417RADIATED EMINNITY AT POWER PORT (150kH2-80MH2) TEST SETUP2418SURGE AT POWER PORT TEST SETUP2419SURGE AT POWER PORT TEST SETUP2519SURGE AT POWER PORT TEST SETUP2519SURGE	1.3 🔬	MEASUREMENT UNCERTAINTY 4
15DEVIATION FROM STANDARDS416ABNORMALITIES FROM STANDARD CONDITIONS417MONITORING OF EUT FOR ALL IMMUNITY TEST418EQUIPMENT LIST515EQUIPMENT LIST516EMISSION TEST RESULTS817IMMUNITY TEST RESULTS818CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)819RADIATED EMISSIONS (30MHz-1GHz)1111IMMUNITY TEST RESULTS1412PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:20191414PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:20191414PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:20191415ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT1616SURGE AT POWER PORT1717CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz)1916VOLTAGE DIPS AND INTERRUPTIONS2017RADIATED IMMUNITY (80MHz-3.6GHz)2118PHOTOGRAPHS2219CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-80MHz) TEST SETUP2210CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP2312RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP2313ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP2314SURGE AT POWER PORT TEST SETUP2415CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP2416VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2517 <t< td=""><td>1.4</td><td>TEST LOCATION 4</td></t<>	1.4	TEST LOCATION 4
4.6ABNORMALITIES FROM STANDARD CONDITIONS44.7MONITORING OF EUT FOR ALL IMMUNITY TEST45.8EQUIPMENT LIST55.9EMISSION TEST RESULTS85.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)85.2RADIATED EMISSIONS (30MHz-1GHz)117IMMUNITY TEST RESULTS147.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019147.2ELECTROSTATIC DISCHARGE157.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)217.8PHOTOGRAPHS228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-30MHz) TEST SETUP248.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP248.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	1.5	DEVIATION FROM STANDARDS 4
4.7MONITORING OF EUT FOR ALL IMMUNITY TEST45EQUIPMENT LIST56EMISSION TEST RESULTS87CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)88.2RADIATED EMISSIONS (30MHz-1GHz)117IMMUNITY TEST RESULTS147IMMUNITY TEST RESULTS147.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019147.2ELECTROSTATIC DISCHARGE157.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED EMISSIONS (30HHz-1GHz) TEST SETUP248.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	1.6 👋	ABNORMALITIES FROM STANDARD CONDITIONS 4
5EQUIPMENT LIST58EMISSION TEST RESULTS83.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)83.2RADIATED EMISSIONS (30MHz-1GHz)117IMMUNITY TEST RESULTS147.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019147.2ELECTROSTATIC DISCHARGE157.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)218.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED EMISSIONS (30MHz-1GHz) TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	1.7	MONITORING OF EUT FOR ALL IMMUNITY TEST 4
SEMISSION TEST RESULTS8S1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)8S2RADIATED EMISSIONS (30MHz-1GHz)11IMMUNITY TEST RESULTS14PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:201914S2ELECTROSTATIC DISCHARGE15S3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT16S4SURGE AT POWER PORT17S5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)19V0LTAGE DIPS AND INTERRUPTIONS20RADIATED IMMUNITY (80MHz-3.6GHz)21PHOTOGRAPHS22CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP22RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP23ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP23S4SURGE AT POWER PORT TEST SETUP23S4SURGE AT POWER PORT TEST SETUP24S5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP24S6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP24S4SURGE AT POWER PORT TEST SETUP24S5EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	5	EQUIPMENT LIST 5
S.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z)83.2RADIATED EMISSIONS (30MHz-1GHz)117IMMUNITY TEST RESULTS147.1PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019147.2ELECTROSTATIC DISCHARGE157.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)218PHOTOGRAPHS228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP238.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED EMISSIONS (30MHz-1GHz) TEST SETUP248.4SURGE AT POWER PORT TEST SETUP248.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	5 04'	EMISSION TEST RESULTS 8
ADDIATED EMISSIONS (30MHz-1GHz)11IMMUNITY TEST RESULTS14PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:201914ELECTROSTATIC DISCHARGE15ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT16SURGE AT POWER PORT17CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)19VOLTAGE DIPS AND INTERRUPTIONS20PHOTOGRAPHS22CONDUCTED EMISSIONS AT MAINS TERMINALS (150KHz-30MHz) TEST SETUP22RADIATED EMISSIONS (30MHz-3.6GHz)21PHOTOGRAPHS22CONDUCTED EMISSIONS (30MHz-1GHz) TEST SETUP22RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP23ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP23SURGE AT POWER PORT TEST SETUP23SURGE AT POWER PORT TEST SETUP24VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP24VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP24VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP25SURGE AT POWER IPORT TEST SETUP25SURGE AT POWER IPORAL (EUT PHOTOS)25	5.1	CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MH8z) 8
IMMUNITY TEST RESULTS1411PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:20191412ELECTROSTATIC DISCHARGE1513ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT1614SURGE AT POWER PORT1715CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)1916VOLTAGE DIPS AND INTERRUPTIONS2017RADIATED IMMUNITY (80MHz-3.6GHz)2118PHOTOGRAPHS2221CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP2222RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP2223ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP2324SURGE AT POWER PORT TEST SETUP2325CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP2426VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2427RADIATED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP2428SURGE AT POWER PORT TEST SETUP2429VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2420VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2521SURGE AT POWER IDETAILS (EUT PHOTOS)25	6.2	RADIATED EMISSIONS (30MHz-1GHz) 11
PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019142ELECTROSTATIC DISCHARGE153ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT164SURGE AT POWER PORT175CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)196VOLTAGE DIPS AND INTERRUPTIONS207RADIATED IMMUNITY (80MHz-3.6GHz)218PHOTOGRAPHS228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP228.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP248.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	01	IMMUNITY TEST RESULTS 14
12ELECTROSTATIC DISCHARGE1513ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT1614SURGE AT POWER PORT1715CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)1916VOLTAGE DIPS AND INTERRUPTIONS2017RADIATED IMMUNITY (80MHz-3.6GHz)2118PHOTOGRAPHS2221CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP2222RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP2223ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP2324SURGE AT POWER PORT TEST SETUP2325CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP2426VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP2427RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP2428EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	.1	PERFORMANCE CRITERIA DESCRIPTION IN EN IEC 61000-6-2:2019 14
7.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT167.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)219PHOTOGRAPHS228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP228.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	7.2	ELECTROSTATIC DISCHARGE 15
7.4SURGE AT POWER PORT177.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)218PHOTOGRAPHS228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP228.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	7.3	ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT 16
7.5CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz)197.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)218PHOTOGRAPHS228.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP228.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP228.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	7.4	SURGE AT POWER PORT
7.6VOLTAGE DIPS AND INTERRUPTIONS207.7RADIATED IMMUNITY (80MHz-3.6GHz)218PHOTOGRAPHS223.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP223.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP223.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP233.4SURGE AT POWER PORT TEST SETUP233.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP243.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP243.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP253.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	7.5	CONDUCTED IMMUNITY AT POWER PORT (150KHz-80MHz) 19
7.7RADIATED IMMUNITY (80MHz-3.6GHz)213PHOTOGRAPHS223.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP223.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP223.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP233.4SURGE AT POWER PORT TEST SETUP233.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP243.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP243.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP253.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	7.6	VOLTAGE DIPS AND INTERRUPTIONS 20
BPHOTOGRAPHS223.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP223.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP223.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP233.4SURGE AT POWER PORT TEST SETUP233.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP243.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP243.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP253.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	7.7	RADIATED IMMUNITY (80MHz-3.6GHz) 21
A.1CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP22B.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP22B.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP23B.4SURGE AT POWER PORT TEST SETUP23B.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP24B.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP24B.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP25B.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	J.	PHOTOGRAPHS 22
8.2RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP228.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	3,1	CONDUCTED EMISSIONS AT MAINS TERMINALS (150kHz-30MHz) TEST SETUP 22
8.3ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP238.4SURGE AT POWER PORT TEST SETUP238.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	3.2	RADIATED EMISSIONS (30MHz-1GHz) TEST SETUP 22
3.4SURGE AT POWER PORT TEST SETUP233.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP243.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP243.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP253.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	3.3	ELECTRICAL FAST TRANSIENTS/BURST AT POWER PORT TEST SETUP 23
8.5CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP248.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP248.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	8.4	SURGE AT POWER PORT TEST SETUP 23
3.6VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP243.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP253.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	5.5	CONDUCTED IMMUNITY AT POWER PORT (150kHz-80MHz) TEST SETUP 24
8.7RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP258.8EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)25	3.6	VOLTAGE DIPS AND INTERRUPTIONS TEST SETUP 24
8.8 EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS) 25	.7	RADIATED IMMUNITY (80MHz-3.6GHz) TEST SETUP 25
OVER OVER OVER OVER OVER OVER OVER OVER	8.8	EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS) 25
A OVISCHAI O		" ONTO ONTO ONTO ONTO ONTO ONTO ONTO ONT
	14 ON	S-OFHT OVIS-CERT
Wist Wist Wist Wist Wist Wist Wist Wist		5'GERT NIS-GERT NIS-GERT NIS-GERT NIS-GERT NIS-GERT NIS-GERT NIS-GERT NIS-

Wis-CERT OUIS-CERT OUIS-CERT This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use Attention is drawn to the limitations of liability indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, Provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



4.2

4.3

44

4.5

4.6

Page 5 of 25

Report No.: OViS202405010E-R1

General Information Details of E.U.T. Power supply: 60W Test voltage: 220-240V,50/60Hz Description of Support Units The EUT has been tested as an independent unit Measurement Uncertainty Measurement Uncertainty No. Item 2.6dB (9kHz to 150kHz) 1 Conducted Emission at mains port using AMN 2.4dB (150kHz to 30MHz) 2 Conducted Emission at mains port using VP 1.8 dB (9kHz to 30MHz) Conducted Emission at telecommunication port using 3 4.2 dB (150kHz to 30MHz) AAN Radiated Power 2.3dB 4.5dB (30MHz-1GHz) 5 Radiated Emission 5.1dB (1GHz-3.6GHz) 6 Radiated Disturbance (disturbance current in a LLAS) 2.4dB (9kHz to 30MHz) Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. Test Location All tests were performed at: OViS Testing Technology (Zhejiang) Co., Ltd. Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, China Tel: 400-8008-959 **Deviation from Standards** None Abnormalities from Standard Conditions None Monitoring of EUT for All Immunity Test Visual: Monitor the work status

This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use Attention is drawn to the limitations of liability.Indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or mission caused by our negligence. Provided however, that such notice shall be in writing and shall specificatly address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

地址:浙江省台州市椒江区下陈街道飞跃科创园 31 幢 旦 www.ovis-lab.com ⊠ info@ovis-lab.com Add:Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, China



StR1 OU

CERT

Equipment List

15	5 Equip	oment List	is CERT WIS CE	RT WISCERT	IS OF AT WIS OF A	WISCERT W
	Conducted Emiss Equipment	sions at Mains Term Manufacturer	inals (150kHz-3 Model No	30MHz) Inventory No	Cal Date Cal	Due Date
2	EMI test receiver	Rohde&Schwarz	ESR3	OViS-YQ125	2023-10-08	2024-10-07
	Artificial mains network	AFJ	LT32C	OViS-YQ126	2023-10-08	2024-10-07
	Shielding Room	Everfine	SR-500	OViS-YQ127	2023-10-08	2024-10-07

~	Radiated Emissio	ons (30MHz-1GHz)	no de	The di	alla alla	de di
	Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
đ	EMI test receiver	Rohde&Schwarz	ESR3	OViS-YQ125	2023-10-08	2024-10-07
1	CONTROLLER	Noyetec	S XTJC	OViS-YQ128	2023-10-08	2024-10-07
	ANTENNA MAST	SCHWARZBECK	VULB9163	OViS-YQ129	2023-10-08	2024-10-07
-	Semi/Fully Anechoic	Noyetec	SR-500	OViS-YQ130	2023-10-08	2024-10-07
	Pre-Amplifier	Novetec	NYPA0930	OViS-YQ131	2023-10-08	2024-10-07

Electrostatic Dise	charge Test Setup				Sec.
Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
ESD generator	Everfine	EMS61000-2A	OViS-YQ132	2023-10-08	2024-10-07
à à	ia ia	in in		ia ia	·
Electrical East Tr	anciente/Buret at E	Ower Port	c.Y.	CY CY	c X
Electrical Fast In	ansients/Durst at F				
Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
Electrical Fast Tr Equipment Burst generator	Manufacturer Everfine	Model No EMS61000-4A	Inventory No OViS-YQ133	Cal Date Cal 2023-10-08	Due Date 2024-10-0

Electrical Fast Tra	ansients/Burst at P	ower Port	C.C.	CA CA	C.C.
Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
Burst generator	Everfine	EMS61000-4A	OViS-YQ133	2023-10-08	2024-10-07
Coupling clamp	Everfine	EFTC-2	OViS-YQ134	2023-10-08	2024-10-07

Coupling clamp	Eventine	EFIC-2	0015-10134	2023-10-08	2024-10-07
Surge at Power P	ort	The offer	an an	all'	011 01
Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
Lightning surge generator	Everfine	EMS61000-5A	OViS-YQ135	2023-10-08	2024-10-07

	01, 01	011 0	N 011	-01, 01,	011	011
C	onducted Immu	inity at Power Port ((150kHz-80MHz)	(
25	Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
S	ignal generator	Rigol	DSG821	OViS-YQ136	2023-10-08	2024-10-0
P	ower Amplifier	Noyetec	NYPA 0123-100	OViS-YQ137	2023-10-08	2024-10-0
6	6dB Attenuator	Noyetec	ATT01	OViS-YQ138	2023-10-08	2024-10-0
	Coupling and Decoupling Vetwork (CDN)	SCHWARZBECK	CDN M2/M3	OViS-YQ139	2023-10-08	2024-10-0
8	RF Generator	Noyetec	SR100-6W	OViS-YQ140	2023-10-08	2024-10-0
S	hielding Room	Everfine	SR-500	OViS-YQ127	2023-10-08	2024-10-0
Ŕ	Coupling and Decoupling Jetwork (CDN)	SCHWARZBECK	CDN M4PE	OViS-YQ141	2023-10-08	2024-10-0
	OVISCO OVI		VISCO OVISCO		SCHAT ONISCHAT	OVIS-OFRI
This juriso notify shall	Test Report is issued by the Con dictional policies defined therein." y us of any error or omission caus constitute your unqualified acception	npany subject to its Conditions of issuanc This test report includes all of the tests red sed by our negligence, Provided, however, ptance of the completeness of this report,	e of Test Reports printed overleaf an quested by you and the results there that such notice shall be in writing ar the tests conducted and the correctn	Id is intended for your exclusive us of based upon the information that ad shall specifically address the iss ess of the report contents.	e. Attention is drawn to the limitatic t you provided. You have 30 days fi ue you wish to raise. A failure to ra	ins of liability indemnification rom date of issuance of thi ise such issue within the p



OVIS-CERT OVIS

OVIS-CERT		Page 7 of 2	5 ovin ovi	Report No.:OViS	202405010E-R1
Voltage Dips and	Interruptions	á á		À À.	
Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
Three-phase cycle drop generator	Everfine	EMS61000-11 CA	OViS-YQ142	2023-10-08	2024-10-07
Coupling and Decoupling Network (CDN)	Everfine	CDNI-3A	OViS-YQ143	2023-10-08	2024-10-07
Manual step	Everfine	SG-15KVA	OVIS-YO144	2023-10-08	2024-10-07
	Voltage Dips and Equipment Three-phase cycle drop generator Coupling and Decoupling Network (CDN)	Voltage Dips and Interruptions Equipment Manufacturer Three-phase Everfine cycle drop Everfine generator Everfine Coupling and Everfine Decoupling Everfine Network (CDN) Everfine	Voltage Dips and Interruptions Page 7 of 25 Voltage Dips and Interruptions Model No Equipment Manufacturer Model No Three-phase Everfine EMS61000-11 cycle drop Everfine CA generator Everfine CDNI-3A Network (CDN) Everfine CDNI-3A	Page 7 of 25Voltage Dips and InterruptionsEquipmentManufacturerModel NoInventory NoThree-phase cycle drop generatorEverfineEMS61000-11 CAOViS-YQ142Coupling and Decoupling Network (CDN)EverfineCDNI-3AOViS-YQ143	Voltage Dips and InterruptionsPage 7 of 25Report No.:OViSVoltage Dips and InterruptionsManufacturerModel NoInventory NoCal Date CalEquipmentManufacturerModel NoInventory NoCal Date CalThree-phase cycle drop generatorEverfineEMS61000-11 CAOViS-YQ1422023-10-08Coupling and Decoupling Network (CDN)EverfineCDNI-3AOViS-YQ1432023-10-08

Radiated Immuni	ty (80MHz-3.6GHz)	0, 0,	0. 0.	0,	0.
Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
Signal generator	Rigol	DSG836	OViS-YQ145	2023-10-08	2024-10-0
Antenna	SCHWARZBECK	VUSLP9111E	OViS-YQ146	2023-10-08	2024-10-0
Amplifier	Noyetec	NYPA0810-200	OViS-YQ147	2023-10-08	2024-10-0
Power meter sensor	PMM	EP601	OViS-YQ148	2023-10-08	2024-10-0
ElectroMagnetic Field Probe	Ceyear	87230	OViS-YQ149	2023-10-08	2024-10-0
Shielding Room	Everfine	SR-500	OViS-YQ127	2023-10-08	2024-10-0

Equipment	Manufacturer	Model No	Inventory No	Cal Date Cal	Due Date
Digital pressure meter	YIOU	DPH-103	OViS-YQ073	2023-10-08	2024-10-07
Temperature&hu midity recorder	Dongguan Jinghe Electronic Technology Co., Ltd	MC501	OViS-YQ095	2023-10-08	2024-10-0
Digital Multimeter	Fluke	319	OViS-YQ012	2023-10-08	2024-10-0
STAL STAL	CERT CERT	SEA SEA	i chu	CEPT CEPT	CEPT
ovision of		VIST OVIST	ovis ovi		
		VISTO WIST	ovision ovi	or ovision	
of the offer of	is an ansat		WiS-Cu Wi		Wisch
0° 0					
				ONIS	0412



6	Emission Test Results
5 61 5	Conducted Emissions at Mains Terminals (150kHz-30MHz)
	Test Requirement: EN IEC 61000-6-4:2019
Star St	Test Method: CISPR 16-2-1
in onis	Frequency Range: 150kHz to 30MHz
is CERT OVIS-C	Limit: 0.15M-0.5MHz 79dB(μV) quasi-peak, 66dB(μV) average 0.5M-30MHz 73dB(μV) quasi-peak, 60dB(μV) average Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz
6.1.1	E.U.T. Operation
·S	Operating Environment:
~	Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar
cickin cick	Test mode:Normal Working_keep EUT running continual .
6.1.2	Test Setup Diagram
and and	ka ka ka ka ka ka ka ka
IS-CERT OVIS-C	Test Receiver
IS-CERT OVIS-C	Test Receiver
IS-CERT OVIS-C	Test Receiver
6.1.3	Image: Constraint of the second se
6.1.3	Image: Constraint of the second se
6.1.3	Test Receiver Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Image
6.1.3	Image: constraint of the second se
6.1.3	Image: constraint of the second se
	Image: constraint of the second se
	Image: constraint of the second se
	Measurement Data An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement vere performed at the frequencies with maximized peak emission were detected
	Image: constraint of the second se
	Measurement Data An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected



CERT

CERT

SERI

CERT

CER!

CERT



No.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB)	Measure- Ment (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1,3	3.9180	-3.11	11.09	7.98	73.00	-65.02	No OD N
2	3.9180	-8.61	11.09	2.48	60.00	-57.52	AVG
3	5.7140	4.97	11.14	16.11	73.00	-56.89	QP
48	5.7140	-4.34	11.14	6.80	60.00	-53.20	AVG
5	8.5540	-1.15	11.28	10.13	73.00	-62.87	QP
6	8.5540	-7.08	11.28	4.20	60.00	-55.80	AVG
70	11.2260	9.18	11.38	20.56	73.00	-52.44	QP 🔊
8	11.2260	1.78	11.38	13.16	60.00	-46.84	AVG
9	19.1820	8.91	5 11.79	20.70	73.00	-52.30	S QP
10	19.1820	2.41	11.79	14.20	60.00	-45.80	AVG
11	21.4540	7.18	12.04	19.22	73.00	-53.78	QP
12	21.4540	1.35	12.04	13.39	60.00	-46.61	AVG
lotes:N	Measure-Ment=R	eading Level+F	actor	Color Color	31	C.CEA	C. Star

ovis cetti ovis cetti ovis cetti outs-cent outs-cent outs-cent sive. Ourschift Ourschift e Cr r ourschift ourschift ourschift ourschift ourschift ourschift ourschift ourschift ours-cent ours-cent ours-cent ourscent our oursection oursection oursection oursection se This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability,indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, Provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. epoli, the tests conducted and the content of the last of the la





CERT

CERT

SERI

CERT

GERT



No.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB)	Measure- Ment (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1 3	5.8780	6.92	11.01	17.93	73.00	-55.07	QP
2	5.8780	-2.94	11.01	8.07	60.00	-51.93	AVG
3	7.0420	-2.15	11.04	8.89	73.00	-64.11	QP
4	7.0420	-7.41	11.04	3.63	60.00	-56.37	AVG
5	8.2140	-0.67	11.10	10.43	73.00	-62.57	QP
6	8.2140	-6.29	11.10	4.81	60.00	-55.19	AVG
70	11.1540	5.99	11.25	17.24	73.00	-55.76	QP 🤇
8	11.1540	-1.12	11.25	10.13	60.00	-49.87	AVG
9	19.3060	8.55	5 11.70	20.25	73.00	-52.75	S QP
10	19.3060	2.24	11.70	13.94	60.00	-46.06	AVG
11	21.5860	4.80	11.90	16.70	73.00	-56.30	QP
12	21.5860	-0.73	11.90	11.17	60.00	-48.83	AVG

011

011

Bive . ovis oviscent oviscent oviscent ouis-oth ouis-oth ouis-oth -ouischeft ouischeft -ourschift ourschift ourschift outsochent ourschift ourschift ourschift ourschift oursection of the section of the secti This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, Provided however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall once the correctness of the report contents.

04'



<u> </u>	Dedicted Emissions (2004) = 4 (2015)
S 0.2	Tost Poquiroment: EN IEC 61000 6 4:2010
na Ona	Test Nethod: CISPR 16.2.2
and a	Frequency Pange: 20MHz to 10Hz
·(5)	Measurement Distance: 3m
, 0,	
is CERI Wis-CE	30MHz-230MHz50 dB(μV/m) quasi-peak230MHz-1GHz57 dB(μV/m) quasi-peakDetector:Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz
6.2.1	E.U.T. Operation
Section States	Operating Environment:
No One	Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar
and a	Test mode:Normal Working_keep EUT running continual .
6.2.2	Test Setup Diagram
IS OF OVISOF	3m or 10m Turntable Gound Reference Plane
is of ourse	Test Receiver
is other outs of	
6.2.3	Measurement Data
ist ouist	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detecti mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EU was measured by BiConiLog antenna with 2 orthogonal polarities
	NOVISCEN. OVISCEN.
	AT OVIS-CERT OVI
12 0112	





SERI

CERT

CERT

SERI

SERI

CERT

CERT

SERI

J.CERT



No.	(MHz)	(dBuV)	Factor (dB/m)	(dBuV/m)	(dBuV/m)	Margin (dB)	Det.
101	186.7962	-1.86	12.91	11.05	50.00	-38.95	QP 🤇
2	198.1132	-1.83	13.89	12.06	50.00	-37.94	QP
3	198.9277	-1.86	5 13.95	12.09	50.00	-37.91	SQP
4	212.3158	-1.82	14.39	12.57	50.00	-37.43	QP
5	619.1362	-0.27	24.02	23.75	57.00	-33.25	QP
0	083 6500	-0.36	S 29 18	28.82	57.00	-28 18	OP

ance of Ter equest entry tr ouscent ouscent ouscent ouscent printed over title res itender" ouscent ouscent ouscent ouscent I Report - rai pr Mission Missio nucestated and a second s This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability.indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, Provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. eport,the tests conducted and the concentrate of the spectrum of the spectrum of the concentrate of the spectrum of the spec





Notes:Level=Reading+Factor

This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, Provided however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall once the correctness of the report contents.





7	Immunity T	est Results
7.1	Performance	e Criteria Description in EN IEC 61000-6-2:2019
OUIS CERT OUIS	Criterion A	The apparatus shall continue to operate as intended during and after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, either of these may be derived from the product description and documentation and what the user may reasonably expect from the apparatus if used as intended.
OVISOCRI OVIS	Criterion B	The apparatus shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed. No change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, either of these may be derived from the product description and documentation and what the user may reasonably expect from the apparatus if used as intended.
WIS CRI WIS	Criterion C	Temporary loss of function is allowed, provided the function is self-recoverable of can be restored by the operation of the controls.
ovis-CERT ovis	SERT ON'S CERT	OVIS-CERT OVIS-CERT OVIS-CERT OVIS-CERT OVIS-CERT OVIS-CERT OVIS-
	OFFT OVISOFFT	OVISCERI OVI
WIS-CERT OVIS		OVIS-CERT OVIS-C
		OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVIS
UNIS CERT OVIS		OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVIS
		OVISCERT OVISCERT OVISCERT OVISCERT OVISCERT OVISCERT OVISCERT OVIS
OVIS-CERT OVIS		OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVISCERI OVIS





CERT OVID OVIS-CERT Page 15 of 25

OVIS-CERT OVIS S-CERT OV Report No.:OViS202405010E-R1

Test Requirement: EN IEC 61000-6-2:2019 Test Method: EN 61000-4-2:2009 Performance Criterion: B Discharge Impedance: 3300/150pF Number of Discharge: Minimum 10 times at each test point Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Electrostatic Discharge Electrostatic Discharge Electrostatic Discharge Filter Discharge Discharge Mode: Single Discharge Electrostatic Discharge Electrostatic Discharge EUT: Operation Operating Environment: Test mode: Normal Working_keep EUT running continual. 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge 2.4.8 Contact discharge 2.4.8 A. No degradation in the performance of the EUT was observed,	7.2	Electrosta	atic Discharge	ERI ERI	CERI CERI	CHRI CHRI	
Test Method: EN 61000-4-2:2009 Performance Criterion: B Discharge Impedance: 3300/150pF Number of Discharge: Minimum 10 times at each test point Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Felorities Setup Diagram Count of Discharge Discharge Period: 1 second minimum 7.2.1 EUT Urgestream Gound Plane T.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1. All incubated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge 2.4.8 +,- 1.3 A Contact discharge 2.4.8 +,- 2 A Results: Contact discharge 2.4.8	Visi	Test Req	uirement: EN IEC 61	000-6-2:2019	a disi	Wiss Wiss	
Performance Criterion: B Discharge Impedance: 3300/150pF Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Feetrostatic Discharge Geund Plane Feetrostatic Discharge Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Geund Plane T.2.2 EUT: Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual. 7.2.3 Test mode:Normal Working_keep EUT running continual. 7.2.3 Observations: Test Point: 1.1.1. All insulated enclosure and seams. 2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	~	Test Meth	nod: EN 61000-4-2:20	009			
Discharge Impedance: 3300/150pF Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Fleetrestatic Discharge Gound Plane Fleetrestatic Discharge Gound Plane T.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working, keep EUT running continual. 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge 2.4.8 +,- 2 A Result: A A A Colspan="2">Discharge 2.4.8 +,- 2 A Results: <td col<="" td=""><td>er d</td><td>Performa</td><td>nce Criterion: B</td><td>str stir</td><td>Sth Sth</td><td>Str. Str.</td></td>	<td>er d</td> <td>Performa</td> <td>nce Criterion: B</td> <td>str stir</td> <td>Sth Sth</td> <td>Str. Str.</td>	er d	Performa	nce Criterion: B	str stir	Sth Sth	Str. Str.
Number of Discharge: Minimum 10 times at each test point Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Image: Second minimum 7.2.2 E.U.T. Operation Gound Plane 7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working, keep EUT running continual. 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point All side 1.3 A Contact discharge 2.4.8 +,- 2 A Results: A. No degradation in the performance of the EUT was observed. A A	ONIS	Discharge	e Impedance: 330Ω/1	150pF	S OVIS	ONIS ONIS (
Discharge Mode: Single Discharge Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Image: Second minimum 7.2.1 Test Setup Diagram Image: Second minimum 7.2.1 Test Setup Diagram Image: Second minimum Test Setup Diagram Image: Second minimum Second minimum Test Second minimum Test mode: Normal Working_keep EUT running continual . Test mode:Normal Working_keep EUT running continual . Test mode:Normal Working_keep EUT running continual . Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge 2.4.8 + 2 A contact discharge 2.4.8 + 2 A conta	à à	Number o	of Discharge: Minimu	m 10 times at each t	est point	in in	
Discharge Period: 1 second minimum 7.2.1 Test Setup Diagram Image: Second minimum 7.2.1 Test Setup Diagram Image: Second minimum Figure Second minimum Figure Second minimum Image: Second minimum Figure Second minimum Image: Second minimum <td>ST</td> <td>Discharge</td> <td>e Mode: Single Disch</td> <td>arge</td> <td>Str. Str.</td> <td></td>	ST	Discharge	e Mode: Single Disch	arge	Str. Str.		
7.2.1 Test Setup Diagram Image: Setup Diagram Gound Plane Image: Setup Diagram Operating Environment: Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1.1.1 All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge 2.4.8 +,- 1.3 A Contact discharge 2.4.8 +,- 2 <tr< td=""><td>011</td><td>Discharge</td><td>e Period: 1 second m</td><td>inimum</td><td>Olle</td><td>on on a</td></tr<>	011	Discharge	e Period: 1 second m	inimum	Olle	on on a	
Image: Second Plane T.2.2 EU.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual . T.2.3 Test Results: Observations; Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point: 3. All side Discharge type Level (kV) Polarity Test Point: 3. All side Discharge 2.4.8 1.3 A Results: A A A A A A A A A A	7.2.1	Test Setu	p Diagram	A A	CHI CHI	aller aller	
Image: Control Cont	.5			J			
Image: Electrostatic Discharge Eutrostatic Discharge Gound Plane 7.2.2 Derating Environment: Emperature: 22°C Test mode:Normal Working_keep EUT running continual. 7.2.3 Test mode:Normal Working_keep EUT running continual. 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity A A A A A A A A A <td colspa<="" th=""><th>È d</th><th>8</th><th></th><th></th><th></th><th></th></td>	<th>È d</th> <th>8</th> <th></th> <th></th> <th></th> <th></th>	È d	8				
7.2.2 E.U.T. Operation Gound Plane 7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Test mode:Normal Working_keep EUT running continual . . 7.2.3 Test Results: Observations: Test Point: . 1. All insulated enclosure and seams. . 2. All accessible metal parts of the enclosure. . 3. All side . Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A . . A Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A No degradation in the performance of the EUT was observed.	112						
Image: Contrast in the performance of the EUT was observed. Image: Contrast in the performance of the EUT was observed.	0						
Image: Constraint Clischarge Constraints and the performance of the EUT was observed. Image: Clinic Click Cli	È à	£					
Electrostatic Discharge EUT UPREASE AND ADD ADD ADD ADD ADD ADD ADD ADD ADD					K		
Vertice State Distribute Optimizing Vertice State Distribute Optimized Gound Plane Gound Plane Operating Environment: Test mode: Normal Working_keep EUT running continual . 7.2.2 C Test mode: Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side	0%.		Floctro	static Discharge			
Cound Plane Gound Plane Gound Plane 7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual. 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side 3. All side Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A	á l	4 I I I I I I I I I I I I I I I I I I I	Electro	static Discharge	VC	2(0.5M*0.5M)	
Gound Plane Gound Plane Gound Plane 7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side 3. All side Discharge type Level (kV) Polarity Test Point Result / Observation Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A		12			ELLT.		
Gound Plane 7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 4.: No degradation in the performance of the EUT was observed.	er di	×			EUT 470K	ohm	
7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . . 7.2.3 Test Results: Observations: Test Point: . 1. All insulated enclosure and seams. . 2. All accessible metal parts of the enclosure. . 3. All side . Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. . .	en ovis-of				- EUT 470K	ehm	
7.2.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . . 7.2.3 Test Results: Observations: Test Point: . 1. All insulated enclosure and seams. . 2. All accessible metal parts of the enclosure. . 3. All side . Discharge type Level (kV) Polarity Air Discharge 2,4,8 +,- 4.: No degradation in the performance of the EUT was observed. .	en ouis-of			Gound Plane	> EUT 470K	ehm 100 100 100 100 100 100 100 100 100 100	
Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 2,4,8 +,- 1,3 A Contact discharge 2,4,8 A: No degradation in the performance of the EUT was observed.	ER OVISION			Gound Plane		ehm	
Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 4. No degradation in the performance of the EUT was observed.	7.2.2	E.U.T. Or	peration	Gound Plane		ahm	
Test mode:Normal Working_keep EUT running continual . 7.2.3 Test Results: Observations: Test Point:	7.2.2	E.U.T. Op	peration 9 Environment:	Gound Plane		ahm	
7.2.3 Test Results: Observations: Test Point:	7.2.2	E.U.T. Op Operating Temperat	peration 9 Environment: ture: 22°C Humidi	Gound Plane ty: 51 % RH Atmosp	> EUT 4700 oheric Pressure: 10	ehm 479K ohm 20 mbar	
Observations: Test Point: 1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point Result 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Xondegradation in the performance of the EUT was observed.	7.2.2	E.U.T. Op Operating Temperat Test mod	peration g Environment: ture: 22°C Humidi e:Normal Working_k	Gound Plane ty: 51 % RH Atmosp eep EUT running co	> EUT	ahm 1 1 20 mbar	
1. All insulated enclosure and seams. 2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed.	7.2.2	E.U.T. Op Operating Temperat Test mod Test Resu	peration Environment: ture: 22°C Humidi e:Normal Working_ko	Gound Plane ty: 51 % RH Atmosp eep EUT running co	> EUT	ahm 1 1 479K ahm 20 mbar	
2. All accessible metal parts of the enclosure. 3. All side Discharge type Level (kV) Polarity Test Point Result / Observation Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A	7.2.2	E.U.T. Op Operating Temperat Test mod Test Resu Observati	peration g Environment: ture: 22°C Humidi e:Normal Working_ko ults: ions: Test Point:	Gound Plane ty: 51 % RH Atmosp eep EUT running co	> EUT	ahm 1 3 479K ahm 20 mbar	
3. All side Discharge type Level (kV) Polarity Test Point Result / Observation Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A: No degradation in the performance of the EUT was observed.	7.2.2	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu	peration peration pEnvironment: ture: 22°C Humidi e:Normal Working_ko ults: ions: Test Point: ilated enclosure and	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams.	> EUT	ahm 1 1 20 mbar	
Discharge type Level (kV) Polarity Test Point Result / Observation Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A	7.2.2	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All acc	peration Environment: ture: 22°C Humidi e:Normal Working_ko ults: ions: Test Point: ilated enclosure and essible metal parts of	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure.	> EUT	ahn 1 1 479K ahm 20 mbar	
Air Discharge 2,4,8 +,- 1,3 A Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A	7.2.2	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All acco 3. All side	Deration Coeration C	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure.	> EUT	ahn 1 3 479K ahm 20 mbar	
Contact discharge 2,4,8 +,- 2 A Results: A: No degradation in the performance of the EUT was observed. A	7.2.2 7.2.3 Discharo	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All acco 3. All side e type	peration g Environment: ture: 22°C Humidi e:Normal Working_ko ults: ions: Test Point: ilated enclosure and essible metal parts of b Level (kV)	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity	> EUT	20 mbar Result / Observation	
Results: A: No degradation in the performance of the EUT was observed.	7.2.2 7.2.3 Discharg Air Disc	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All acco 3. All side te type harge	Deration 2 Environment: ture: 22°C Humidi e:Normal Working_ko ults: tions: Test Point: ulated enclosure and essible metal parts of Level (kV) 2,4,8	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,-	> EUT	alin 1 1 20 mbar 20 mbar Result / Observatior A	
A: No degradation in the performance of the EUT was observed.	7.2.2 7.2.3 Discharg Air Disc Contact di	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All accu 3. All side e type harge scharge	Deration Derati	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,- +,- +,-	> EUT	alm 1 1 20 mbar 20 mbar Result / Observation A A	
ART ONE	7.2.2 7.2.3 Discharg Air Disc Contact di Results:	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All accu 3. All side e type harge scharge	Deration Derati	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,- +,- +,-	> EUT	alin 20 mbar Result / Observation A A	
	7.2.2 7.2.3 7.2.3 Discharg Air Disc Contact di Results: A: No degra	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All accu 3. All side e type harge scharge	Deration Derati	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,- +,- e EUT was observed	> EUT ***	alm 1 1 20 mbar 20 mbar Result / Observation A A	
	7.2.2 7.2.3 Discharg Air Disc Contact di Results: A: No degra	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All acco 3. All side harge scharge	peration peration pEnvironment: ture: 22°C Humidir e:Normal Working_ke ults: ions: Test Point: lated enclosure and essible metal parts of Level (kV) 2,4,8 2,4,8 2,4,8 he performance of the	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,- +,- e EUT was observed	> EUT	aline 20 mbar Result / Observation A A	
	7.2.2 7.2.3 Discharg Air Disc Contact di Results: A: No degra	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All accu 3. All side e type harge scharge	Deration Derati	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,- +,- e EUT was observed	EUT	allo arge allo a	
	7.2.2 7.2.3 Discharg Air Disc Contact di Results: A: No degra	E.U.T. Op Operating Temperat Test mod Test Resu Observati 1. All insu 2. All acco 3. All side harge scharge	Deration Derati	Gound Plane ty: 51 % RH Atmosp eep EUT running co seams. f the enclosure. Polarity +,- +,- e EUT was observed	EUT	allo 20 mbar 20 mbar Result / Observation A A	



Test Requirement: EN IEC 61000-6-2:2019 Test Method: EN 61000-4-4:2012 Performance Criterion: B Repetition Frequency: SkHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Oround Reference Plane Oround Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Test Results: Test Results: Test Results: Test Results: Test Results: Test Results: Ac power port 2 A: No degradation in the performance of the EUT was observed.	Test Requirement: EN IEC 61000-6-2:2019 Test Method: EN 61000-4-4:2012 Performance Criterion: B Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram	ST OWIST	Test Requirement: EN IEC 61000-6-2:2019
Test Method: EN 61000-4-4/2012 Performance Criterion: B Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Implement Setup Diagram I	Test Method: EN 61000-4-4:2012 Performance Criterion: B Repetition Frequency: 5KHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: Start Setup Diagram <t< td=""><td>CERT C.C</td><td></td></t<>	CERT C.C	
Performance Criterion: B Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram	Performance Criterion: B Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: Setup Diagram I	Star and	Test Method: EN 61000-4-4 2012
Repetition Frequency: SkHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: SkHz Burst Period: Status Image: SkHz Burst Period: SkH	Repetition Frequency: 5kHz Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: Colspan="2">Image: Colspan="2" Image:		Performance Criterion: B
Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: Control of the setup Diagram <td>Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Implementation of the setup Diagram Operating Environment: Test mode:Normal Working_keep EUT running continual Test Inne Level (kV) Polarity CDN Dat Test Line Test Line CDN A CDN A CDN A conver port 2 CDN A conver port <</td> <td>3 113</td> <td>Repetition Frequency: 5kHz</td>	Burst Period: 300ms Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Implementation of the setup Diagram Operating Environment: Test mode:Normal Working_keep EUT running continual Test Inne Level (kV) Polarity CDN Dat Test Line Test Line CDN A CDN A CDN A conver port 2 CDN A conver port <	3 113	Repetition Frequency: 5kHz
Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Implicit Setup Diagram <td< td=""><td>Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: Constraint of the setup of th</td><td>~</td><td>Burst Period: 300ms</td></td<>	Test Duration: 2 minute per level & polarity 7.3.1 Test Setup Diagram Image: Constraint of the setup of th	~	Burst Period: 300ms
7.3.1 Test Setup Diagram Image: Colspan="2">Image: Colspan="2" Image: Colspan="2"	7.3.1 Test Setup Diagram 7.3.1 Test Setup Diagram Image: Construction of the	SER S	Test Duration: 2 minute per level & polarity
7.3.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN AC power port 2 2 - CDN A Results: A: No degradation in the performance of the EUT was observed.	7.3.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Results: AC power port 2 - CDN - CDN A: No degradation in the performance of the EUT was observed.	7.3.1	Test Setup Diagram
Total E.U.T. Operation Concertainer Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observation AC power port 2 - CDN A Results: No degradation in the performance of the EUT was observed. A	7.3.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 + CDN A Results: AC power port 2 - CDN A AC power port 2 - CDN A A Results: A No degradation in the performance of the EUT was observed. A	1. Contraction of the second s	
Image: constraint of the service of the EUT was observed.	7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Results: AC power port 2 A	5° .5°	
Image: Control of the performance of the EUT was observed.	7.3.2 E.U.T. Operation Operating Environment: Test mode: Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observation AC power port 2 - CDN A AC power port 2 - CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. A: No degradation in the performance of the EUT was observed.	en Olla	
Image: Construction of the EUT was observed. Count Reference Plane Count Reference Plane Operating Environment: Test mode: Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observation AC power port 2 - CDN A Results: Count of the EUT was observed. CDN/Clamp Result / Observation	T.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Test mode:Normal Working_keep EUT running continual Test Results: Test Results: Test Results: Test Line 2 AC power port 2 <	à	di la contra con
Image: Construction of the event of the EUT was observed.	7.3.2 E.U.T. Operation Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp AC power port 2 - CDN AResults: A: No degradation in the performance of the EUT was observed.	. Ser . S	
Image: constraint of the performance of the EUT was observed.	Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 + CDN A AC power port 2 - CDN A Results: - CDN A A AC power port 2 - CDN A Results: - CDN A A	2 112	
Image: construct plane Image: construct plane<	T.3.2 E.U.T. Operation Operating Environment: Ground Reference Plane Test mode:Normal Working_keep EUT running continual Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 + CDN A AC power port 2 - CDN A Results: CDN A A Ac power port 2 - CDN A Results: CDN A A	0,	
Image: control base of the control base of	Test Line Level (kV) Polarity CDN/Clamp Result Test Line Level (kV) Polarity CDN A AC power port 2 - CDN AC power port 2 - CDN A Besults: - CDN A - AC power port 2 - CDN A CDN A - CDN A CDN A - CDN A CDN A	~	
Gound Releeses Plane Ground Reference Plane 7.3.2 E. U.T. Operation 7.3.2 E. U.T. Operation Temperature: 22° Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results:	FT/Burst EUT Insulating Support(0, tm) Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Temperature: 22'° Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode: Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 - CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. X X	18 1	0.5m
Topological Reference Plane Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatior A Copower port 2 + CDN A A Copower port 2 - CDN A Results: A CDN A A A: No degradation in the performance of the EUT was observed. A A A	Image: Count Reference Plane EUT AE Insulating Support(0.1m) Ground Reference Plane Ground Reference Plane Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results:	and and	J [™]
Courd Reference Plane Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result: A AC power port 2 - CDN A A Results: - A: No degradation in the performance of the EUT was observed.	Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp AC power port 2 2 - CDN A AC power port 2 A: No degradation in the performance of the EUT was observed.	12 112	ELT
T.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Results: Ac power port 2 - CDN A Results:	Ground Reference Plane Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: CDN/Clamp Result / Observation AC power port 2 + CDN A AC power port 2 - CDN A Results: CDN A Results: A: No degradation in the performance of the EUT was observed. A: No degradation in the performance of the EUT was observed.	0	Ground Reference Plane EF 1/BUTSt AE /
Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment:	Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment:	1	Generator
Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatior AC power port 2 - AC power port 2 - Results: A: No degradation in the performance of the EUT was observed.	Ground Reference Plane 7.3.2 E.U.T. Operation Operating Environment:	de de	
7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp AC power port 2 4 CDN A Cover port 2 - CDN A Ac power port 2 - CDN A: No degradation in the performance of the EUT was observed.	7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Test mode:Normal Working_keep EUT running continual Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp AC power port 2 + CDN AC power port 2 - CDN A convert 2 AC power port 2 - CDN A convert 2 AC power port 2 - CDN A convert A AC power port 2 - CDN A convert A AC power port 2 - CDN A No degradation in the performance of the EUT was observed.	5 .5	Ground Reference Plane
7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Results: Test Dower port 2 4C power port 2 - CDN A A Ac power port 2 - CDN A convert - CDN A Results: - A: No degradation in the performance of the EUT was observed.	7.3.2 E.U.T. Operation Operating Environment:	· 6%	
7.3.2 E.U.T. Operation Operating Environment:	7.3.2 E.U.T. Operation Operating Environment:	~	
7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results:	7.3.2 E.U.T. Operation Operating Environment:	- 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18	17 AN AN AN AN AN AN AN AN AN
7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Test mode:Normal Working_keep EUT running continual Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Results: Test Result / Observatior AC power port 2 + CDN A AC power port 2 - Results: CDN A A: No degradation in the performance of the EUT was observed. Served.	7.3.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp AC power port 2 + CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. A: No degradation in the performance of the EUT was observed.	ST	
Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results:	Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 + CDN A AC power port 2 - CDN A Results: A A A A A: No degradation in the performance of the EUT was observed. A A A	7.3.2	E.U.I. Operation
Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatior AC power port 2 + CDN A AC power port 2 - CDN A Results: - CDN A A: No degradation in the performance of the EUT was observed. - - -	Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp AC power port 2 + CDN A AC power port 2 - CDN A Results: - CDN A A: No degradation in the performance of the EUT was observed.	A.	Operating Environment:
Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observation AC power port 2 + CDN A AC power port 2 - CDN A Results: - CDN A A: No degradation in the performance of the EUT was observed. - - -	Test mode:Normal Working_keep EUT running continual 7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 + CDN A AC power port 2 - CDN A Results: - CDN A A: No degradation in the performance of the EUT was observed. - -	Silling Silling	Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar
Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatior AC power port 2 + CDN A AC power port 2 - CDN A Results: - CDN A A: No degradation in the performance of the EUT was observed. - -	7.3.3 Test Results: Test Line Level (kV) Polarity CDN/Clamp Result / Observatio AC power port 2 + CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. A: No degradation in the performance of the EUT was observed.	en Onlin	Test mode:Normal Working_keep EUT running continual
Test Line Level (kV) Polarity CDN/Clamp Result / Observatior AC power port 2 + CDN A AC power port 2 - CDN A AC power port 2 - CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. A A	Test LineLevel (kV)PolarityCDN/ClampResult / ObservatioAC power port2+CDNAAC power port2-CDNAResults: A: No degradation in the performance of the EUT was observed	7.3.3	Test Results:
AC power port 2 + CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed.	AC power port 2 + CDN A AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. - -	Test	Line Level (kV) Polarity CDN/Clamp Result / Observation
AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. A	AC power port 2 - CDN A Results: A: No degradation in the performance of the EUT was observed. A		ver port 2 + CDN A
Results: A: No degradation in the performance of the EUT was observed.	Results: A: No degradation in the performance of the EUT was observed.	AC pow	ver port 2 - CDN A
A: No degradation in the performance of the EUT was observed.	A: No degradation in the performance of the EUT was observed.	AC pow AC pow	
SCREET ONIS ONIS ONIS ONIS ONIS ONIS ONIS ONIS	CERT OUTS OUTS OUTS OUTS OUTS OUTS OUTS OUT	AC pow AC pow Results:	
	CERT OUS-CERT	AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
South ours other ours	CERT OUS-CERT OUS-CER	AC pov AC pow Results: A: No degr	radation in the performance of the EUT was observed.
SCEPT ONSCEPT	CET OUTS OF OU	AC pov AC pow Results: A: No degr	radation in the performance of the EUT was observed.
S OVIS OVIS OVIS OVIS OVIS OVIS OVIS OVI	OVIS OVIS OVIS OVIS OVIS OVIS OVIS OVIS	AC pov AC pow Results: A: No degr	radation in the performance of the EUT was observed.
on o		AC pov AC pow Results: A: No degr	radation in the performance of the EUT was observed.
SOLERI OVISCERI OVISC		AC pov AC pow Results: A: No degr	radation in the performance of the EUT was observed.
Soften OVIS CERT OVIS CERT.		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
Softer ONIS CERT ONIS CERT.		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
SCHERT ONE		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
SCHI WISCHI WISCHI WISCHI WISCHI WISCHI WISCHI WISCHI	We also also also also also also also also	AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
5-CERI MIS-CERI MIS-CERI MIS-CERI MIS-CERI MIS-CERI MIS-CERI MIS-CERI		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
SOL MERCE MERCE MERCE MERCE MERCE MERCE		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
is this this this this this this this th		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
		AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.
	o_{\perp} o_{\perp	AC pov AC pov Results: A: No degr	radation in the performance of the EUT was observed.





OVIS-CERT	OVIS	ONIS ONIS	Page 17 of 25	Report N	o.:OViS202405010E-
7.4	Surge at Po	wer Port		ALL ALLS	ALL ALLS
1:15	Test Require	ement: EN IEC 610	000-6-2:2019	Si NiSi	1 ¹⁵ 1 ¹⁵
×	Test Method	d: EN 61000-4-5:20	014 +A1:2017		
	Performance	e Criterion: B	sti sti	SET SET	Str Str
113	Interval: 60s	s between each su	rge N ^{rs} N	S Nis a	Vis Vis
Ŕ.	Test level:±2	2 kV(AC power por 1 kV (AC power po	rts, line-to-earth); orts, line-to-line)	aft aft	alt alt
	No. of surge	es: 5 positive, 5 neg	gative at 0 $^\circ$, 90 $^\circ$,1	180°, 270°	
7.4.1	Test Setup I	Diagram	0, 0,	0, 0	<u>, 0, (</u>
	Ground Ref	ference Plane , Genera	est tor	EUT AE	Insulating Support(0.1m)
7.4.2	E.U.T. Oper	ration	Ground Referen	nce Plane	1 ^{15.0}
7.4.2	E.U.T. Oper Operating E	ration invironment:	Ground Referen	nce Plane	Jis ^{v.} Mis ^{v.}
7.4.2	E.U.T. Oper Operating E Temperature	ration invironment: e: 22°C Humidit	Ground Referen ty: 51 % RH Atmosp	oheric Pressure: 1020	0 mbar
7.4.2	E.U.T. Oper Operating E Temperature Test mode:N	ration invironment: e: 22°C Humidit Normal Working_ke	Ground Referen ty: 51 % RH Atmosp eep EUT running co	nce Plane oheric Pressure: 1020 ntinual .	0 mbar
7.4.2	E.U.T. Oper Operating E Temperature Test mode:N Test Results	ration invironment: e: 22°C Humidit Normal Working_ke s:	Ground Referen ty: 51 % RH Atmosp eep EUT running co	oheric Pressure: 1020	0 mbar
7.4.2 7.4.3 Tesi	E.U.T. Oper Operating E Temperature Test mode:N Test Results	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV)	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity	oheric Pressure: 1020 Intinual .	0 mbar Result / Observatio
7.4.2 7.4.3 Tesi L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity + -	oheric Pressure: 1020 Intinual . Phase (deg)	0 mbar Result / Observatio A A
7.4.2 7.4.3 7.4.3 L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity + - +	oheric Pressure: 1020 Intinual . Phase (deg) 0° 0° 0°	0 mbar Result / Observatio A A A A
7.4.2 7.4.3 7.4.3 L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity + - + -	oheric Pressure: 1020 ontinual . Phase (deg) 0° 0° 90° 90°	0 mbar Result / Observatio A A A A A
7.4.2 7.4.3 Tesi L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity + - + - +	oheric Pressure: 1020 oheric Pressure: 1020 ontinual . Phase (deg) 0° 0° 0° 90° 90° 180°	0 mbar Result / Observation A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1 1 1 1 1 1	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity + - + - + - + - + - + - + - + - + + - + + - +	Phase 0° Oheric Pressure: 1020 Intinual . Phase (deg) 0° 0° 90° 90° 180° 180° 270°	0 mbar Result / Observation A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1 1 1 1 1 1	Ground Referen ty: 51 % RH Atmosp eep EUT running co Polarity + - + - + - + - + - + - + + + + + + + + +	Phase Operation Otheric Pressure: 1020 Intinual . Phase (deg) 0° 0° 90° 90° 180° 180° 270° 270°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1 1 1 1 1 1	Ground Referen	Phase (deg) 0° 0° 0° 90° 90° 180° 180° 270° 270° 0°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1 1 2 2	Ground Referen	Phase Operation Otheric Pressure: 1020 Intinual . Phase (deg) 0° 0° 90° 180° 180° 270° 270° 0° 0°	0 mbar Result / Observation A A A A A A A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 2 2 2 2	Ground Referen	Phase (deg) 0° 0° 90° 90° 180° 180° 270° 0° 0° 90°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L- L-	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2	Ground Referen	Phase Operation Otheric Pressure: 1020 Intinual . Phase (deg) 0° 0° 90° 180° 270° 270° 0° 90° 180° 180° 90° 90° 90° 180° 270° 0° 90° 90°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L L L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Ground Referen	Phase (deg) 0° 0° 0° 90° 90° 180° 180° 270° 0° 0° 180° 180° 180° 180° 180° 180° 180° 180° 0° 0° 180° 180° 180°	0 mbar 0 mbar A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L- L- L- L- L- L- L-	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Ground Referen	Phase (deg) 0° 0° 0° 0° 90° 180° 270° 270° 0° 0° 180° 180° 270° 0° 180° 180° 180° 270° 0° 0° 0° 0° 180° 180° 180° 270°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L L L L L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Ground Referen	Phase (deg) 0° 0° 0° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 180° 180° 270° 0° 90° 180° 180° 270° 270° 270° 270° 270° 270° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 180° 270° 270°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 L L L L L L L L L L L L- L- L- L- L- L-	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Ground Referen	Phase (deg) 0° 0° 0° 0° 90° 180° 270° 270° 90° 180° 180° 270° 270° 270° 270° 270° 270° 270° 90° 180° 180° 270° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 270° 270° 270° 270° 0°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 Tesi L L L L L L L L L L L L L L L L L L L	E.U.T. Oper Operating E Temperature Test mode:N Test Results t Line -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Ground Referen	Phase (deg) 0° 0° 0° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90° 180° 180° 270° 0° 90° 180° 270° 270° 270° 270° 0°	0 mbar Result / Observation A A A A A A A A A A A A A
7.4.2 7.4.3 7.4.3 Tesi L L L L L L L L L L- L- L- L- L- L- L-	E.U.T. Oper Operating E Temperature Test mode:N Test Results tLine -N -N -N -N -N -N -N -N -N -N -N -N -N	ration invironment: e: 22°C Humidit Normal Working_ke s: Level (kV) 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Ground Referen	Phase Operation Otheric Pressure: 1020 Intinual . Phase (deg) 0° 0° 90° 180° 270° 270° 90° 180° 180° 270° 270° 0°	0 mbar Result / Observation A A A A A A A A A A A A A





OVIS-CERT OVIS OFFIT OWNS Page 18 of 25

5° 01 <u>-</u> 0		0°	201		age 16 01 25	0	190°		A	Qe1
C.C.S.	N-PE	C.S.	2	- (S ¹			180°	C.C.F.F.	A	-
J'is c	N-PE	0113	2	Olis		01/2	270°	01	A	03
4	N-PE	á	2	6	<u> </u>		270°	4	A	
	lts: degradat	tion in the r	erformanc	e of the F	UT was ob	served				
N 110	legiudu		Sentormane				04,2	0 VIP	OVIE	01
			ONIS		ONIS					
	J'				OVIS		OVIS			
			OVIS		OVIS	OVIS				
Shin c								ONIS		
stin d	Jus -	ONIS		OVIS			OVIS	0412	ONIS	
		Olis	Olis		Olis		Ollo	0112	ONIS	
2412 C	210				Olis		Olla			
				0%		04.		0%		
2, 0	5		04				04		0,	0,





This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use Attention is drawn to the limitations of liability,indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or mission caused by our neglegicnee. Provided however, that such notice shall be in writing and shall specificatily address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

地址:浙江省台州市椒江区下陈街道飞跃科创园 31 幢 呈 www.ovis-lab.com ⊠ info@ovis-lab.com Add:Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, China



	The area of	Page 20 of 25	Repor	t No.:OViS202405010E-
DVIS-CERT				
7.6	Voltage Dips and Interruptic	ons	A. A.	A. A.
.5	Test Requirement _ EN IEC	C 61000-6-2 [.] 2019	<u>, S^ , S</u>	
0%	Toot Mothed: EN 61000.4	11:0004 + 11:0017	5 <u>7.</u> 0 <u>7.</u>	-0, 0, 0
<u> </u>	Test Method: EN 61000-4	-11:2004 +A1:2017		
ovi5.ct	Performance Criterion: 0 4 7 0	% of UT (Supply Vo 0% of UT for 10 Per 0% of UT for 25 Per 9% of UT for 1 Perior	riods:C; riods:C; ds:B;	ovision ovision
S S	No. of Dips / Interruptions: 3	3 per Level	143 (H)	. CEL CEL
N'S'	Time between dropout 10:	S NIS	N'S N'S	Wi ^S Wi ^S
7.6.1	Test Setup Diagram			
AT OWIS OF	Ground Reference Plane – - Vo Ger	oltage nterruption nerator	EUT AE	Insulating Support(0.1m)
AT OVISOF	Ground Reference Plane – - V Ger	oltage nterruption nerator Ground Ref	EUT AE	E Insulating Support(0.1m)
	Ground Reference Plane - Vo Generation	oltage nterruption nerator Ground Ref	EUT AE	= -Insulating Support(0.1m)
AT 0415-05	Ground Reference Plane - Vo Dips/Ir Gen E.U.T. Operation Operating Environment:	oltage nterruption nerator Ground Ref	Ference Plane	Insulating Support(0.1m)
RI OVISOL	Ground Reference Plane - Vo Dips/Ir Get E.U.T. Operation Operating Environment: Temperature: 22°0 Hum	oltage hterruption nerator Ground Ref Ground Ref	EUT AE	Insulating Support(0.1m)
Al 0415-06	E.U.T. Operation Operating Environment: Temperature: 22°C Hum	oltage nterruption nerator Ground Ref idity: 51 % RH Atmos	EUT AE	Insulating Support(0.1m)
7.6.2	Ground Reference Plane - Units of the second	oltage hterruption nerator Ground Ref didity: 51 % RH Atmo _keep EUT running	EUT AE	Insulating Support(0.1m)
7.6.3	Ground Reference Plane - Vo Dips/Ir Gen E.U.T. Operation Operating Environment: Temperature: 22°C Hum Test mode:Normal Working Test Results:	oltage nterruption nerator Ground Ref idity: 51 % RH Atmos _keep EUT running	EUT AE	Insulating Support(0.1m)
7.6.2 7.6.3 Level 9	Ground Reference Plane - Vo Dips/Ir Get E.U.T. Operation Operating Environment: Temperature: 22°C Hum Test mode:Normal Working Test Results: 6 UT Phase (deg)	oltage nterruption nerator Ground Ref didity: 51 % RH Atmos _keep EUT running Duration	Terence Plane	Insulating Support(0.1m)
7.6.2 7.6.3 Level 9	Ground Reference Plane	oltage nterruption nerator Ground Ref idity: 51 % RH Atmos keep EUT running Duration 1 Cycles	EUT AE	IO20 mbar Result / Observation
7.6.2 7.6.3 Level 9 0 0	Ground Reference Plane Volume Ground Reference Plane Dips/Ir Get Get E.U.T. Operation Operating Environment: Temperature: 22°C Hum Test mode:Normal Working Test Results: 6 UT Phase (deg) 0 180°	oltage nterruption nerator Ground Ref idity: 51 % RH Atmo keep EUT running Duration 1 Cycles 1 Cycles	terence Plane	IO20 mbar Result / Observation
7.6.2 7.6.3 Level % 0 0 40	Ground Reference Plane Volume E.U.T. Operation Operating Environment: Temperature: 22°C Huming Test mode:Normal Working Test Results: 6 UT Phase (deg) 0 180° 0 0	oltage hterruption nerator Ground Ref idity: 51 % RH Atmos keep EUT running Duration 1 Cycles 1 Cycles 10 Cycles	Ference Plane	IO20 mbar Result / Observation
7.6.2 7.6.3 Level 9 0 0 40 40 40	Ground Reference Plane Volume E.U.T. Operation Operating Environment: Temperature: 22°C Hum Test mode:Normal Working, Test Results: 6 UT Phase (deg) 0 180° 0 180°	oltage nterruption nerator Ground Ref didity: 51 % RH Atmos keep EUT running Duration 1 Cycles 10 Cycles 10 Cycles 10 Cycles	EUT AE	IO20 mbar Result / Observation A A A A A
7.6.2 7.6.3 Level 9 0 0 40 40 40 70	Ground Reference Plane	oltage terruption nerator Ground Ref didity: 51 % RH Atmo keep EUT running Duration 1 Cycles 1 Cycles 10 Cycles 10 Cycles 25 Cycles	EUT AE	I O20 mbar Result / Observation A A A A A A A A A A A A A A A A A A A
7.6.2 7.6.3 Level % 0 40 40 70 70 70	Ground Reference Plane	oltage interruption nerator Ground Ref idity: 51 % RH Atmo keep EUT running Duration 1 Cycles 1 Cycles 10 Cycles 10 Cycles 25 Cycles 25 Cycles	terence Plane	IO20 mbar Result / Observation A A A A A A A A A A A
7.6.2 7.6.3 Level 9 0 40 40 70 70 0 0	Ground Reference Plane Volume E.U.T. Operation Operating Environment: Temperature: 22°C Hum Test mode:Normal Working, Test Results: 6 UT Phase (deg) 0 180° 0 180° 0 180° 0 0 180° 0 0 0	oltage nterruption nerator Ground Ref idity: 51 % RH Atmo keep EUT running Duration 1 Cycles 1 Cycles 10 Cycles 10 Cycles 25 Cycles 25 Cycles 25 Cycles	EUT AE	IO20 mbar Result / Observation A A A A A A A B

OVIS-CERT This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability,indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, Provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

epolituite tests cultured and the contextuse of an arrival and the contextuse of a sector of the contextuse of the contextus of the contextual of the contextus of the contextual of the co





OVIS-CERT OVIS SERT OVID Page 21 of 25

S-CERT OV Report No.:OViS202405010E-R1

Test Requirement: EN IEC 61000-6-2:2019 Test Method: EN 61000-4-3:2006 +A1:2008+A2:2010 Performance Criterion: A Frequency Range: 80MHz to 3.6GHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment 7.7.1 Test Setup Diagram Image: State of the state o	7.7	Radiated	Immunity (80MHz-3.6	6GHz)	A A	AR AR
Test Method: EN 61000-4-3:2006 +A1:2008+A2:2010 Performance Criterion: A Frequency Range: 80MHz to 3.6GHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment 7.7.1 Test Setup Diagram Image: Signal Ground Reference Plane Ground Reference Plane Ground Reference Plane Signal Operating Environment: Test mode:Normal Working_keep EUT running continual . 7.7.3 Test medity: 10 Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Right 3s A 10 Back 3s A 10Hz-3.6GHz A 10Hz-3.6GHz	1:5	Test Reg	uirement: EN IEC 610	000-6-2:2019	, (S)	115
Performance Criterion: A Frequency Range: 80MHz to 3.6GHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment 7.7.1 Test Setup Diagram Image: South and	0	Test Met	hod: EN 61000-4-3:20	006 +A1:2008+A2:20)10	0, 0, 0
Frequency Range: 80MHz to 3.6GHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment 7.7.1 Test Setup Diagram Image: Constraint of the setup of the se	S B	Performa	ance Criterion: A	an an	Str Str	CEPT CEPT
Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz,80% Amp. Mod,1% increment 7.7.1 Test Setup Diagram Image: Constraint of the setup Diagram Image: Constraint Diagram Ima	J.S	Frequence	cv Range: 80MHz to 3	8.6GHz	N'IS	Will Will
Modulation: 1kHz,80% Amp. Mod,1% increment 7.7.1 Test Setup Diagram Image: Constraint of the set of the se	~	Antenna	Polarisation: Vertical	and Horizontal	A	
7.7.1 Test Setup Diagram Image: Constraint of the setup	Ser of	Modulatio	on: 1kHz.80% Amp. M	1od.1% increment	Star Star	
Result Image: Superior of Colspan="2">Image: Superior of Colspan="2">Image: Superior of Colspan="2">Superior of Colspan="2"	7.7.1	Test Set	up Diagram	Nº N	N'E	all's all's
7.7.2 E.U.T. Operation Ground Reference Plane Generator Operating Environment: Test mode:Normal Working_keep EUT running continual. 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Brack Applified Test mode:Normal Working_keep EUT running continual 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Result A A	á				~	
Trequency EUT. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual. 7.7.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual. 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Frequency Level (V/m) EUT Face Dwell time Result / Observatio 8 A A A Operation <td< td=""><td>Ser of</td><td></td><td></td><td></td><td></td><td></td></td<>	Ser of					
Transa Antenna Tower Antenna Tower Antenna Tower Antenna Tower Ground Reference Plane Signal Ground Reference Plane Signal Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3 A A A	01/12			$\langle \vee \vee \vee \vee \vee \vee \rangle$	\vee \vee \vee \vee \vee \vee	
7.7.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Tent Result / Observation 80MHz-1GHz 10 80MHz-1GHz 10 80MHz-1GHz 10 10 Right 33 Front 34 6MHz-1GHz 10 Right 35 A 10 Right 35 A 10 Right 35 10 Right 35 <td>~</td> <td></td> <td>Camera</td> <td></td> <td>-</td> <td></td>	~		Camera		-	
Antenna Tower Antenna Tower Antenna Tower Ground Reference Plane Signal Ground Reference Plane Signal Ground Reference Plane Signal Ground Reference Plane Signal Generator Power Amplifier To peration Operating Environment: Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Back 3s A A	Str. St					
7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Back 3s 80MHz-1GHz 10 Left 3s 1GHz-3.6GHz 3 Back 3s 1GHz-3.6GHz 3 Left 3s	113				Antenna	
7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Test mode:Normal Working_keep EUT running continual. 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result 10 BOMHz-1GHz 10 Right 3s A 80MHz-1GHz 10 Right 3s A 80MHz-1GHz 10 Right 3s A 3 Front 3s A 3 Bock 3s A 3 Bock 3s A 3 1GHz-3.6GHz 3 1GHz-3.6GHz 3 Bock 3s A 3 Bock 3s <td>~</td> <td></td> <td></td> <td></td> <td></td> <td>ower S</td>	~					ower S
7.7.2 E.U.T. Operation Operating Environment: Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s 80MHz-1GHz 10 Back 3s A 3s 1GHz-3.6GHz 3 1GHz-3.6GHz 3 Light 3 Back 3s A 1GHz-3.6GHz 3 Level (3 Back 3s A 10 Right 3s A 1GHz-3.6GHz 3 Left 3 Back 3 A 1GHz-3.6GHz 3 A 1GHz-3.6GHz	Str. S					
Area Area Area Area Ground Reference Plane Signal Generator Power Monitor Power Amputifier Power Amputifier Power Monitor Power Amputifier Power Monitor Power Amputifier Power Amputifier Power Amputifier Power Amputifier Power Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Evel (V/m) EUT Face Dwell time Result / Observatio 3s A 80MHz-1GHz 10 Back 3s 80MHz-1GHz 10 Left 3s 80MHz-1GHz 10 Right 3s 80MHz-1GHz 10 Right 3s 80MHz-1GHz 10 Right 3s 1GHz-3.6GHz 3 Back <	1.5	\geq	EUT	3m	20cm	\geq
Ground Reference Plane Signal Generator Power Monitor Image: Signal Generator Power Amplifier Amplifier Test Operating Environment: Test mode:Normal Working_keep EUT running continual . Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A 80MHz-1GHz 3 Front 3s A 80MHz-1GHz 10 Right 3s A 1GHz-3.6GHz 3 Back 3s A	~					
7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3s A Ghtz-36GHz 3 1GHz-36GHz 3 Left 3s 1GHz-36GHz 3 Left 3s A	Sh de		<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>			
Monitor Power 7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3 Front 3 Left 3 Left 3 Left 3 Left 3 Left 3 Diabt	J.S.		Ground	Reference Plane Sig	nal	5
7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s A 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A 10 Back 3s A A 80MHz-1GHz 10 Right 3s A 10 Right 3s A A 10 Right 3s A A 10Hz-3.6GHz 3 Back 3s A 10Hz-3.6GHz 3 Left 3s A 10Hz-3.6GHz 3 Left 3s A	0,			Monitor	Power Amplifier	
7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A Back 3s A 10Hz-3.6GHz 3 10Hz-3.6GHz 3 <	de la	8][j	- FR
7.7.2 E.U.T. Operation Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A 1GHz-3.6GHz 3 Front 3s A 1GHz-3.6GHz 3 Left 3s A 1GHz-3.6GHz 3 Left 3s A	115					5
Operating Environment: Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s A 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A 1GHz-3.6GHz 3 Front 3s A 1GHz-3.6GHz 3 Left 3s A	7.7.2	E.U.T. Operation				
Temperature: 22°C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar Test mode:Normal Working_keep EUT running continual . 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s A 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A	S B	Operatin	g Environment:	A A	A A	A A
Test mode:Normal Working_keep EUT running continual .7.7.3Test Results:FrequencyLevel (V/m)EUT FaceDwell timeResult / Observatio80MHz-1GHz10Front3sA80MHz-1GHz10Back3sA80MHz-1GHz10Left3sA80MHz-1GHz10Left3sA80MHz-1GHz10Right3sA1GHz-3.6GHz3Front3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA		Tempera	ture: 22°C Humidit	v: 51 % RH Atmosp	heric Pressure: 10	20 mbar
Test mode.remaining_recepted Framming continuer. 7.7.3 Test Results: Frequency Level (V/m) EUT Face Dwell time Result / Observatio 80MHz-1GHz 10 Front 3s A 80MHz-1GHz 10 Back 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Left 3s A 80MHz-1GHz 10 Right 3s A 1GHz-3.6GHz 3 Front 3s A 1GHz-3.6GHz 3 Left 3s A 1GHz-3.6GHz 3 Left 3s A	15	Test mor	e:Normal Working k		tinual	0,
FrequencyLevel (V/m)EUT FaceDwell timeResult / Observatio80MHz-1GHz10Front3sA80MHz-1GHz10Back3sA80MHz-1GHz10Left3sA80MHz-1GHz10Left3sA80MHz-1GHz10Right3sA1GHz-3.6GHz3Front3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA	OVISIO	1 est mot				and the second s
RequericyLever (v/m)EOT FaceDwein timeResult / Observatio80MHz-1GHz10Front3sA80MHz-1GHz10Back3sA80MHz-1GHz10Left3sA80MHz-1GHz10Right3sA1GHz-3.6GHz3Front3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA	Carl Onisco	Teet Der		ELIT Ecco	Dwalltime	Pocult / Observation
80MHz-1GHz10Back3sA80MHz-1GHz10Left3sA80MHz-1GHz10Left3sA80MHz-1GHz10Right3sA1GHz-3.6GHz3Front3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA	7.7.3	Test Res		EUTFACE		A
80MHz-1GHz10Left3sA80MHz-1GHz10Right3sA1GHz-3.6GHz3Front3sA1GHz-3.6GHz3Back3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA	7.7.3 Freque 80MHz-	Test Res ency 1GHz	10	Front	38	<u> </u>
SUMINZ-TIGHZTURight3sA1GHz-3.6GHz3Front3sA1GHz-3.6GHz3Back3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA	7.7.3 Freque 80MHz- 80MHz-	Test Res ency 1GHz 1GHz	<u>10</u> 10	Back	3s	A A
1GHz-3.6GHz3Back3sA1GHz-3.6GHz3Left3sA1GHz-3.6GHz3Left3sA	7.7.3 Freque 80MHz- 80MHz- 80MHz-	Test Res ency 1GHz 1GHz 1GHz	10 10 10 10	Back Left	3s 3s 3s	A A
1GHz-3.6GHz 3 Left 3s A 1GHz-3.6GHz 3 Diabt 2a A	7.7.3 Freque 80MHz- 80MHz- 80MHz- 80MHz- 1GHz-3	Test Res ency 1GHz 1GHz 1GHz 1GHz 1GHz 6GHz	10 10 10 10 10 3	Eront Back Left Right Front	3s 3s 3s 3s 3s	A A A A
	7.7.3 Freque 80MHz- 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz	10 10 10 10 10 3 3 3	Front Back Left Right Front Back	3s 3s 3s 3s 3s 3s 3s	A A A A A A
	7.7.3 Freque 80MHz- 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz	10 10 10 10 10 3 3 3 3	Front Back Left Right Front Back Left	3s 3s 3s 3s 3s 3s 3s 3s 3s	A A A A A A
	7.7.3 Freque 80MHz- 80MHz- 80MHz- 80MHz- 80MHz-	Test Res ency 1GHz 1GHz 1GHz 1GHz 1GHz	10 10 10 10 10	Eront Back Left Right	3s 3s 3s 3s	A A A
	7.7.3 Freque 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3 Results:	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz 6GHz	10 10 10 10 10 3 3 3 3 3	Front Back Left Right Front Back Left Right	3s 3s 3s 3s 3s 3s 3s 3s 3s 3s 3s	A A A A A A A A
A: No degradation in the performance of the EUT was observed.	7.7.3 Freque 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3 1GHz-3 Results: A: No degra	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz 6GHz 6GHz 6GHz 6GHz	10 10 10 10 3 3 3 3 he performance of the	Front Back Left Right Front Back Left Right	3s 3s 3s 3s 3s 3s 3s 3s 3s	A A A A A A A A
A: No degradation in the performance of the EUT was observed.	7.7.3 Freque 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3 1GHz-3 Results: A: No degra	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz 6GHz 6GHz 4dation in t	10 10 10 10 3 3 3 3 he performance of the	Front Back Left Right Front Back Left Right	38 38 38 38 38 38 38 38 38 38	A A A A A A A A
A: No degradation in the performance of the EUT was observed.	7.7.3 Freque 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3 1GHz-3 Results: A: No degra	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz 6GHz 6GHz 6GHz 6GHz	10 10 10 10 3 3 3 3 he performance of the	Front Back Left Right Front Back Left Right	3s 3s 3s 3s 3s 3s 3s 3s 3s	A A A A A A A A
A: No degradation in the performance of the EUT was observed.	7.7.3 Freque 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3 1GHz-3 Results: A: No degra	Test Res ency 1GHz 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz 6GHz 6GHz 6GHz	10 10 10 10 10 3 3 3 3 he performance of the	Front Back Left Right Front Back Left Right	3s 3s 3s 3s 3s 3s 3s 3s 3s 3s	A A A A A A A A
A: No degradation in the performance of the EUT was observed.	7.7.3 Freque 80MHz- 80MHz- 80MHz- 1GHz-3 1GHz-3 1GHz-3 1GHz-3 Results: A: No degra	Test Res ency 1GHz 1GHz 1GHz 6GHz 6GHz 6GHz 6GHz 6GHz 6GHz	10 10 10 10 3 3 3 3 he performance of the	Front Back Left Right Front Back Left Right	3s 3s 3s 3s 3s 3s 3s 3s 3s	A A A A A A A







This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use Attention is drawn to the limitations of liability,indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or mission caused by our neglegence. Provided however, that such notice shall be in writing and shall specificately address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

(400-8008-959





This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. Provided however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

欧非亚美检测技术(浙江)有限公司(OViS) OViS Testing Technology (Zhejiang) Co., Ltd.

地址:浙江省台州市椒江区下陈街道飞跃科创园 31 幢 呈 www.ovis-lab.com ⊠ info@ovis-lab.com Add:Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, China





This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. Provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.





This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability,indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or mission caused by your negligence. Provided however, that such notice shall be in writing and shall specificately address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



REMARKS

1. This report is invalid without the seal of special stamp for OViS test report and invalid if altered.

2. The copy of this report is invalid without a new seal of special stamp for OViS test report and invalid if altered.

3. This report is invalid without seals or signatures of Tester, Checker and Approval.

4. If there is no special announcement in this report, the informat ion of producer and samples is not identified by OViS, the customer is responsible for truth of the samples.

5. Objections to the test report must be submitted to OViS within 15 days.

6. The test results shown in this report is only applicable for the samples supplied directly by the customer and accepted by the test organization, the customer shall not propagandize improperly without permission by OViS.

7. "P" means "pass", "F" means "fail", "N/A" or "—" means "not applicable" and " / "means "not test".

Address: Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, China Tel: 400-8008-959 Post Code: 318000 E-mail:info@ovis-lab.com http://www.ovis-lab.com

This Test Report is issued by the Company subject to its Conditions of issuance of Test Reports printed overleaf and is intended for your exclusive use Attention is drawn to the limitations of liability,indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results there of based upon the information that you provided. You have 30 days from date of fissuance of this test report to notify us of any error or ornission caused by our neglegnce. Provided, however, that such notice shall be in writing and shall specificatily address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

欧非亚美检测技术(浙江)有限公司(OVIS) 地址:浙江省台州市椒江区下陈街道飞跃科创园 31 幢 旦 www.ovis-lab.com ⊠ info@ovis-lab.com OVIS Testing Technology (Zhejiang) Co., Ltd. Add:Building 31, Feiyue Park, Xiachen Street, Jiaojiang District, Taizhou City, Zhejiang Province, Chin