



检测报告

TESTING REPORT



扫一扫验真伪
2GB22063052932-0001

证书编号:
Certificate No.



委托方: 广州电力机车有限公司
Client

委托方地址: 广东省广州市花都区山前旅游大道西18号
Address

仪器/样品名称: 屏蔽房(屏蔽效能)
Description

型号/规格: 7.5m*5.5m*3.2m
Model/Type

制造厂商: 武汉国电华美电气设备有限公司
Manufacturer

出厂编号: 20220619
Serial No.

管理号: /
Asset No.

样品接收日期: 2022-07-03
Date of Receipt Y M D

结果: 所检测项目符合技术要求
Conclusion (Tested items meet technical requirements)

检测日期: 2022-07-03
Date of Test Y M D

建议下次检测日期: 2023-07-02
Due Date Y M D

检测: 黄伟
Test by

审核: 肖晖
Inspected by

授权签字人: 方文潮
Approved Signatory

发布日期: 2022-07-10
Issued Date: Y M D



本实验室地址: 广东省广州市番禺区石碁镇农科所南街8号 @力赛计量实验室

Address: No.8.South Street Shi Ji Institute Guangzhou.Guangdong.China

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邮政编码(Post): 511400

公司网址(Web): www.lisaitest.com

电子邮件(E-mail): cal@lisaitest.com



检测说明

DIRECTIONS OF TESTING

证书编号:
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本机构质量管理体系符合ISO/IEC17025标准要求。

The quality system is in accordance with ISO/IEC17025.

1. 证书内页中"P"代表"合格","F"代表"不合格","N/A"代表"不适用"。

In the datasheet,"P" represents "Pass" and "F" represents "Fail" and "N/A" represents "Not Applicable".

2. 本证书编号具有唯一性, 后缀若带有"A~Z"的证书为替换证书, 自发出后原证书即刻作废。

Each certificate has a unique number, The suffix of "A~Z" will be added to the number as a replacement of the old version. The original certificate will be officially invalid once the new certificate number is issued.

3. 环境条件。(Environmental condition during the calibration).

温度(Temperature): 22°C 相对湿度 (Relative Humidity): 53 %

4. 检测地点。(Place of the Test).

客户现场(一楼实验室)

5. 未加盖“证书报告专用章”无效, 报告无校准或检测、审核、授权签字人签章无效。

The report is invalid without the official stamp, report is invalid without 'report stamp', The report is invalid without the signatures of Approval and Reviewer.

6. 样品及生产/研制方的相关信息由委托方提供并由委托方承担相应责任。

The information of the samples and the manufacturer/developer shall be provided by the applicants and applicant shall bear the corresponding responsibilities.

7. 本次检测的技术依据及CNAS认可范围, 超出范围的内容未被认可。详细认可范围请查看CNAS网站中注

册编号为L7127的证书附件。(Reference documents and accredited scope by CNAS for the Test beyond which isn't accredited. Please see the attachment of certificate No.L7127 on CNAS website for details.)

GB/T 12190-2021 电磁屏蔽室屏蔽效能的测量方法

8. 本次检测使用的主要计量标准器具。(Main standards of measurement used in the Test).

名称 Description	出厂编号 Serial No.	证书号/有效期 Certificate No./ Due Date	溯源机构 Traceability Institute	技术特征 Technique Character
频谱分析仪	MY45300518	WWS202100479 / 2022-09-27	广东省计量科学 研究院	频率准确度: 1E-07电平: U=0.2dB(k=2) 误差矢量幅度: Urel=1%, 相位误差: U=0.12°, 波形质量因子: U=0.0002, 调 频频率误差: Urel=0.01% k=2
喇叭天线	1803/1804	3GC21010559782-3062 / 2023-01-09	广州力赛计量检 测有限公司	U=1.2dB
信号发生器	MY57300918	3GC22020822149-3211 / 2023-02-14	广州力赛计量检 测有限公司	电平: U=(0.21~0.36)dB, 频率: Urel=8.2E-08(k=2) EVM: Urel=0.8%(k=2)
偶极子天线(1 对)	2018-3/2018-4	3GC22030126816-3989 / 2023-03-01	广州力赛计量检 测有限公司	Antenna Factor:U=1.9dB (k=2)
环形天线(一 对)	/	3BC21060282403-12145 / 2023-06-08	广州力赛计量检 测有限公司	Antenna Factor:U=1.9dB , k=2



广州力赛计量检测有限公司

Guangzhou LiSai Metrology & Test Co., Ltd.



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1、外观以及一般性检查: 正常
In view of External and Generality check : Pass

2、屏蔽效能(Shielding Effectiveness): 屏蔽门

频率	测试位置	屏蔽效能	不确定度	允许范围	结论	
Frequency	Position	Shielding Effectiveness	Uncertainty	Limit	Conclusion	
(kHz)	NO.	(dB)	(dB)	(dB)	(Pass/Fail)	
10	1	61	2	≥ 60	P	
	2	61	2	≥ 60	P	
	3	62	2	≥ 60	P	
	4	61	2	≥ 60	P	
	5	61	2	≥ 60	P	
	6	62	2	≥ 60	P	
(kHz)	NO.	(dB)	(dB)	(dB)	(Pass/Fail)	
	100	1	61	2	≥ 60	P
		2	62	2	≥ 60	P
		3	62	2	≥ 60	P
		4	63	2	≥ 60	P
		5	62	2	≥ 60	P
6		62	2	≥ 60	P	
(kHz)	NO.	(dB)	(dB)	(dB)	(Pass/Fail)	
	200	1	62	2	≥ 60	P
		2	62	2	≥ 60	P
		3	63	2	≥ 60	P
		4	63	2	≥ 60	P
		5	62	2	≥ 60	P
6		61	2	≥ 60	P	





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2、屏蔽效能(Shielding Effectiveness): 屏蔽门续上

频率	测试位置	屏蔽效能	不确定度	允许范围	结论	
Frequency	Position	Shielding Effectiveness	Uncertainty	Limit	Conclusion	
(MHz)	NO.	(dB)	(dB)	(dB)	(Pass/Fail)	
30	1	61	2	≥ 60	P	
	2	62	2	≥ 60	P	
	3	62	2	≥ 60	P	
	4	63	2	≥ 60	P	
	5	61	2	≥ 60	P	
	6	61	2	≥ 60	P	
(MHz)	NO.	(dB)	(dB)	(dB)	(Pass/Fail)	
	450	1	63	2	≥ 60	P
		2	64	2	≥ 60	P
		3	64	2	≥ 60	P
		4	65	2	≥ 60	P
		5	64	2	≥ 60	P
(GHz)	NO.	(dB)	(dB)	(dB)	(Pass/Fail)	
	1	1	61	2	≥ 60	P
		2	62	2	≥ 60	P
		3	61	2	≥ 60	P
		4	62	2	≥ 60	P
		5	61	2	≥ 60	P
	6	61	2	≥ 60	P	

注: 检测时屏蔽室内各电气负载(照明、空调)处于工作状态。波导管无穿线缆下测量

附: 关于测量结果不确定度的说明:

appendix: Directions of uncertainty in the calibration

1.依据(Reference document)

JJF 1059.1-2012测量不确定度评定与表示

(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

2.本报告给出的扩展不确定度是由合成标准不确定度乘以包含概率约为95%时对应的包含因子k得到的。

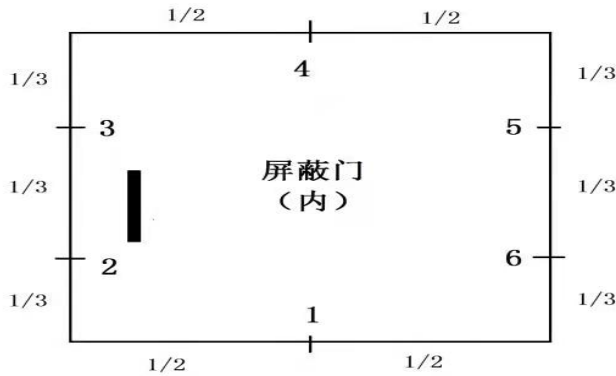
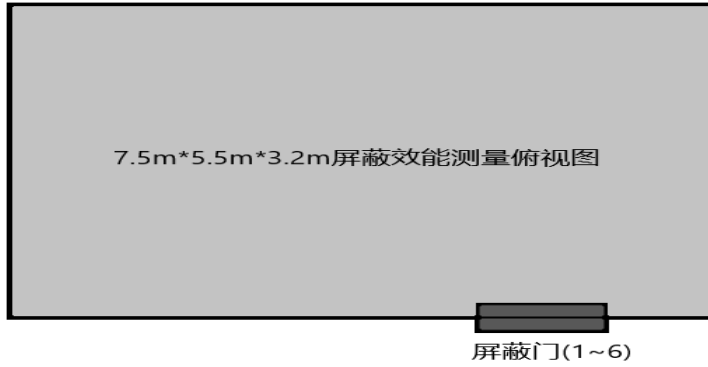
The expanded uncertainty given in this report is obtained by multiplying the combined standard uncertainty by the corresponding coverage factor k when the coverage probability of about 95%.

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注：附测试位置示意图



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