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东莞市安特通信有限公司

Rtant Communications Co., Ltd

天线调试&测试报告

Antenna Commissioning & Test Report

客户：欧飞信-Customer: SHENZHEN OFEIXIN TECHNOLOGY LIMITED

项目：/- Project: /

天线工程师：姜文祥-Antenna Engineer: JiangWenXiang

日期：2026-04-29-Date: 2026-04-29

版本：V0.0-Version: V0.0

项目负责人：姜磊15899911229-Project Manager: Jiang Lei (15899911229)



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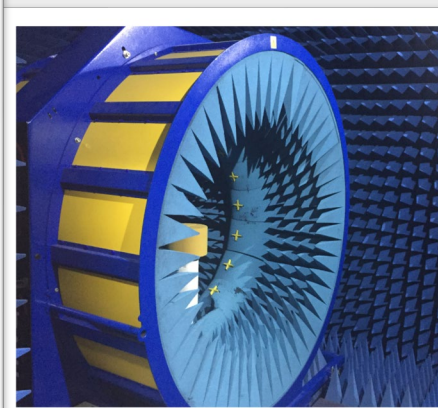
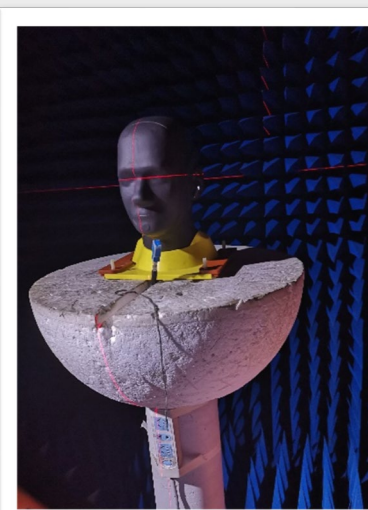
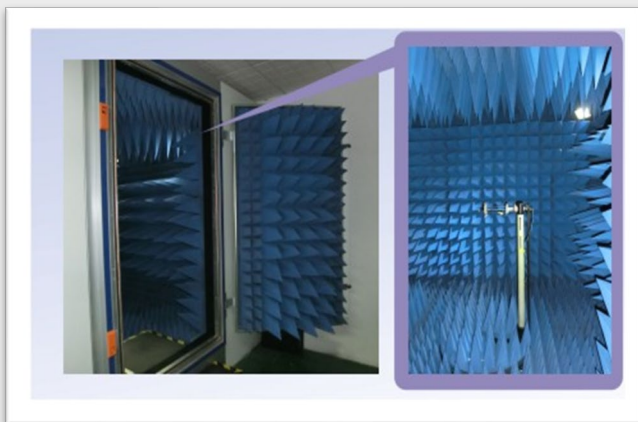
项目调试简介

Project
Debugging
Overview

整机类型 Device Type				
天线种类 及频段信息 Antenna Type & Frequency Band	天线种类 Antenna Type	频段信息 Frequency Band	天线形式 Antenna Form	匹配改动 Matching Modificati ons
	WIFI	2400-2500MHz 5150-5850MHz	FPC	否NO
	WIFI 天线 Antenna φ1.13 黑色 Black L=140MM IPEX-1			
天线材质 Antenna Material	FPC			
天线型号 Antenna Model	ANT-P2458X-14001			



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测试项目	测试设备
S11、S12、VSWR、LOSS	网络分析仪E5071B、E8753D Network Analyzer (E5071B, E8753D)
Efficiency、Gain、3D Radiation Pattern	Satimo SG16暗室、台湾十大7*4*3暗室、E5071B、二代人头 Satimo SG16 Chamber, Taiwan Top 10 7×4×3 Chamber, E5071B, 2nd-gen Phantom Head
TRP、TIS	Satimo SG16暗室、台湾十大暗室、CMW500、二代人头 Satimo SG16 Chamber, Taiwan Top 10 Chamber, CMW500, 2nd-gen PhantomHead

备注：本项目的调试&测试用的设备标示为蓝色

Note: Equipment marked in blue was used for debugging & testing in this project.



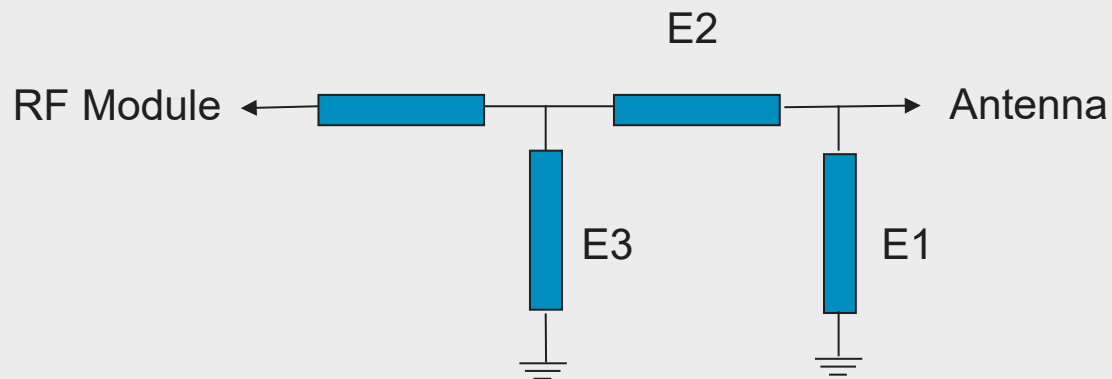
三

天线匹配电路

Antenna
Matching
Circuit



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	Element	Value
	E1	没有更改-No Change
	E2	没有更改-No Change
	E3	没有更改-No Change



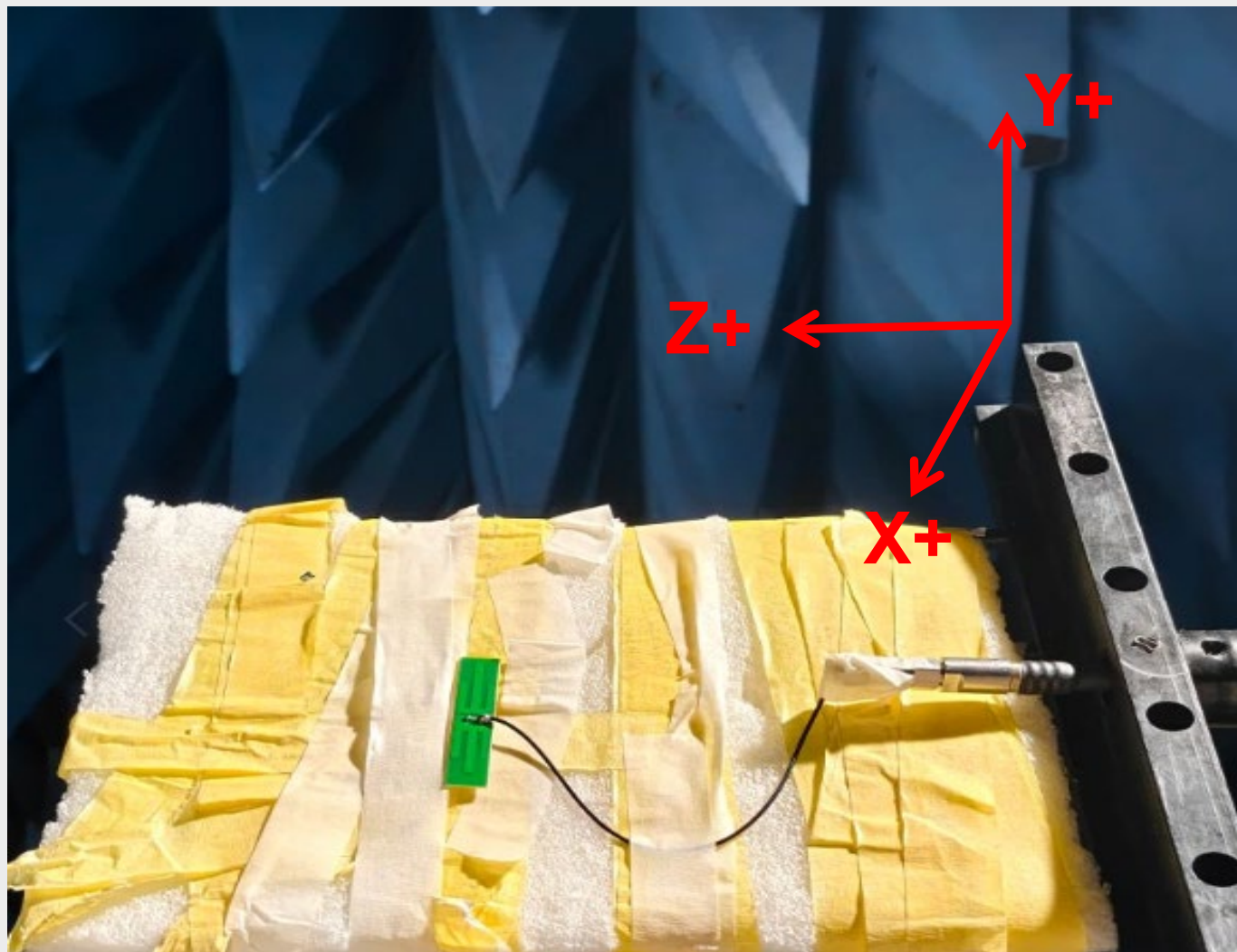
暗室坐标标示

Anechoic Chamber Coordinate Markings

暗室坐标标示-Anechoic Chamber Coordinate Markings



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五

无源数据

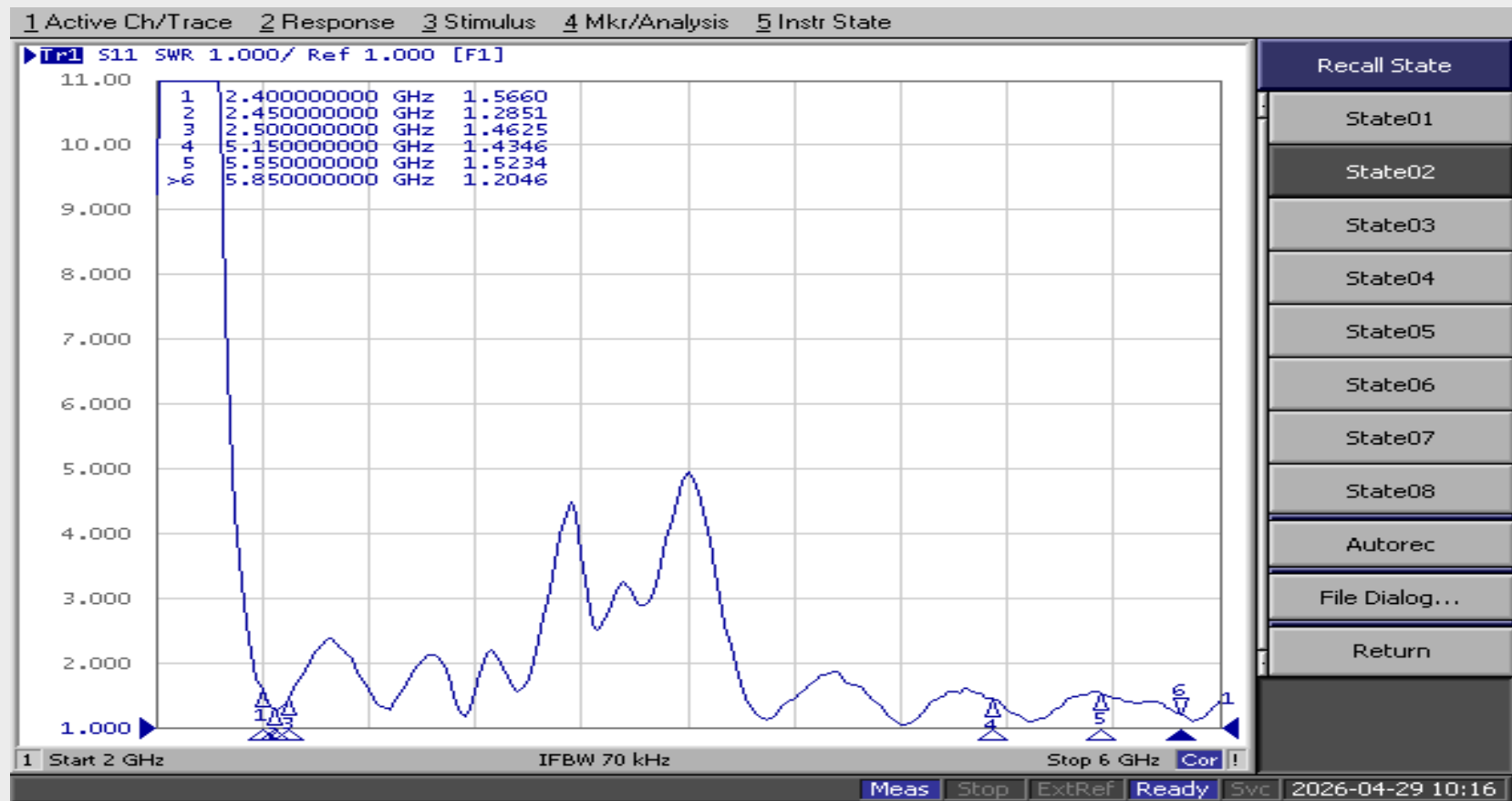
Passive Data

R-LOSS-VSWR WIFI 2.4G/5.8G



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天线裸测-Bare Antenna Testing





五

无源数据

Passive Data

Effi / Gain



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天线裸测-Bare Antenna Testing

Frequency	2.40GHz	2.45GHz	2.50GHz	5.15GHz	5.5GHz	5.85GHz
Efficiency (%)	45.36	43.24	44.16	40.68	46.21	43.47
Gain (dBi)	1.76	1.34	1.59	1.47	1.73	1.64



五

无源数据

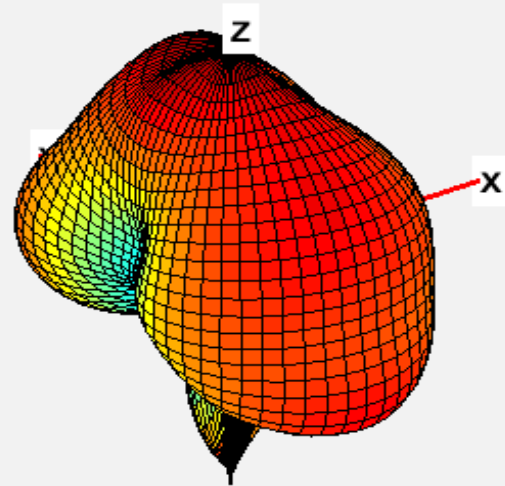
Passive Data

方向图-Radiation Pattern

2450MHz



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五

无源数据

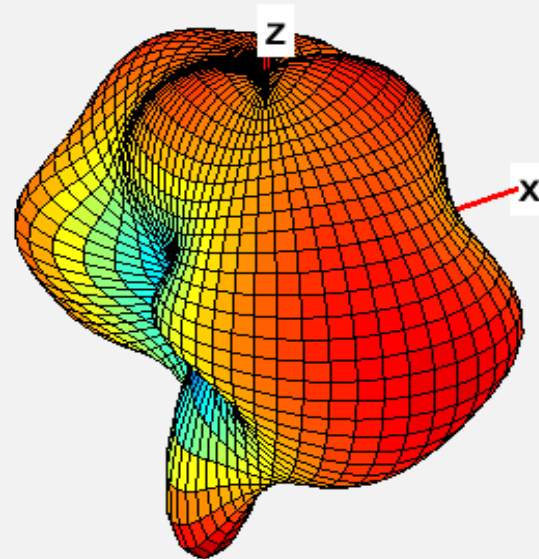
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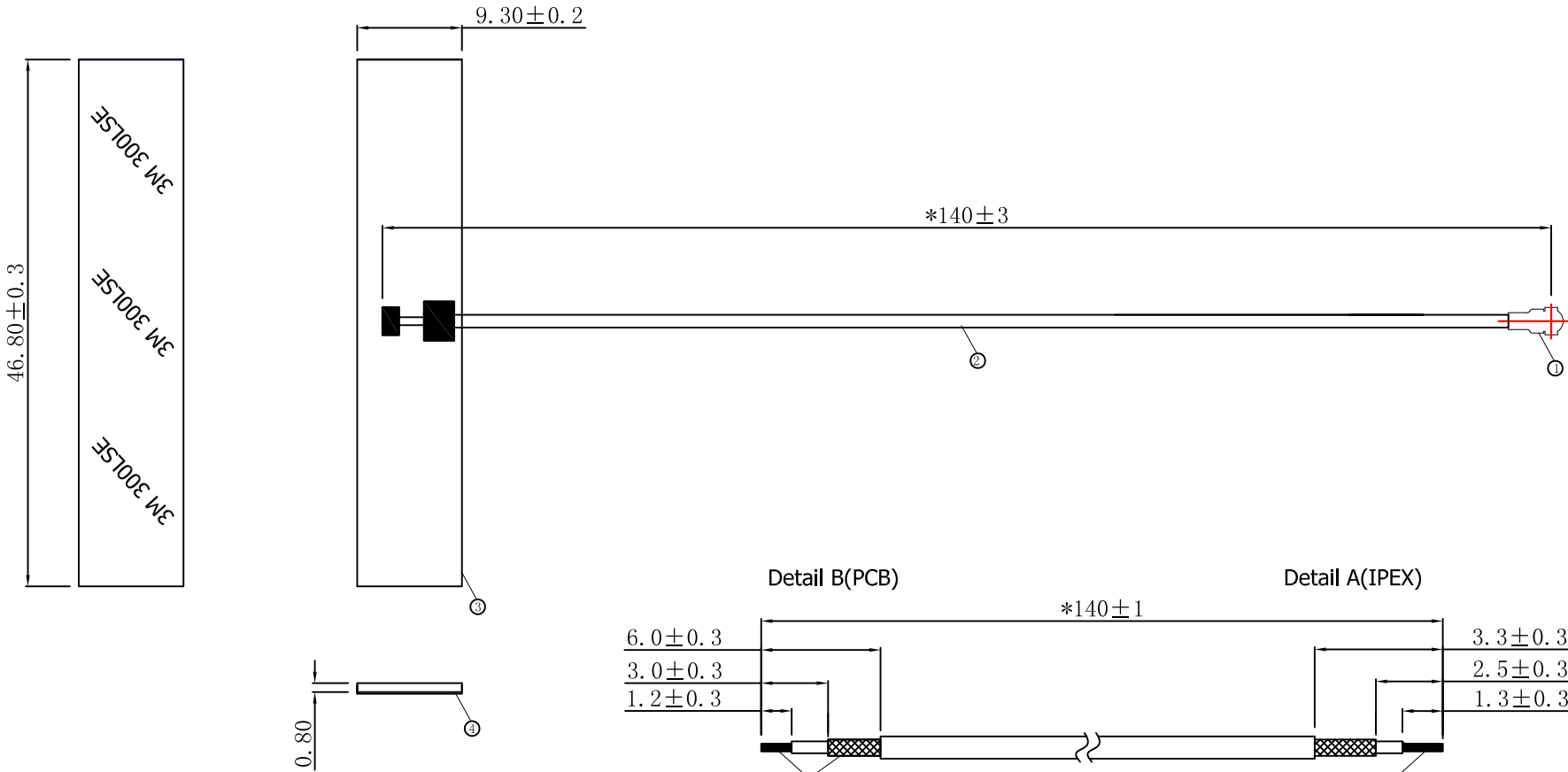
方向图-Radiation Pattern

5500MHz



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无源数据

Passive Data

实物图片Physical pictures



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联系方式-Contact infomation

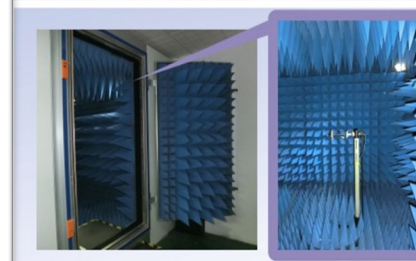
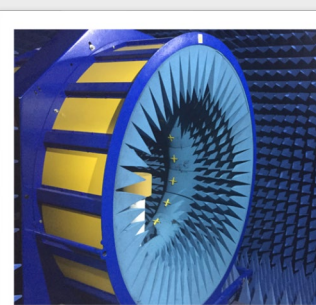


成立
11年

专注
无线

设计
研发

制造



更多了解 <http://www.rtant.com>

联系方式 - 姜磊-Contact person:Jianglei

Mob: 15899911229 Email: jl@rtant.com

广东省东莞市厚街镇厚街镇莞太路与富民大道交叉口西北100米厚街骏业大厦6楼ADD:6th Floor, Junye Building,100m Northwest of the Intersection of Guantai Road & Fumin Avenue, Houjie Town, Dongguan City, Guangdong Province, China

东莞（厚街） - 上海（浦东新区）



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Thank you for your trust in Rtant