

规格书

Specification

产品名称(Product Name) : Small folding plastic stick antenna

产品规格(Product specifications): 2.4G

签发日期(Date of issue): 2022-9-16

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1 产品说明 Product Description

The antenna is designed for superior performance, and can be widely used for wireless applications. We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

该天线设计性能优越，可广泛用于无线应用。

我们为定制天线解决方案提供仿真，测试和制造等全面的天线设计支持，以满足您的具体应用需求。

2 产品图片 Product Picture



3 产品规格 Product Specifications

无源电性能指标 Passive Electrical Specifications

频率范围 Frequency Range (MHz)	2.4G
输入阻抗 Input Impedence (Ω)	50 Ω
电压驻波比 VSWR	<1.5
增益 Gain (dBi)	<2.15dBi

机械指标 Mechanical Specifications

天线尺寸 Antenna Size (mm)	108MM
馈线长度 Cable Length (mm)	0
工作温度 Working Temperature (°C)	-40 —85
颜色 Radome Color	黑色 Black

4 测试环境 Test environment

网络分析仪: 5071c

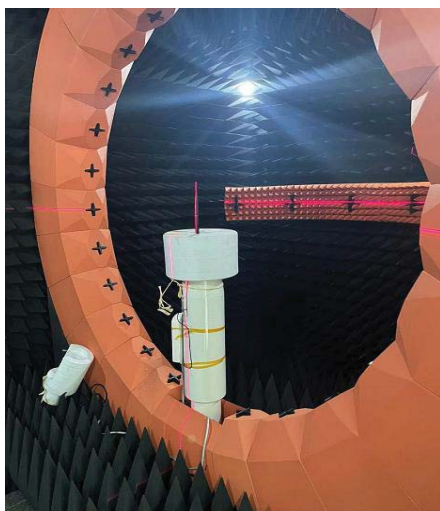
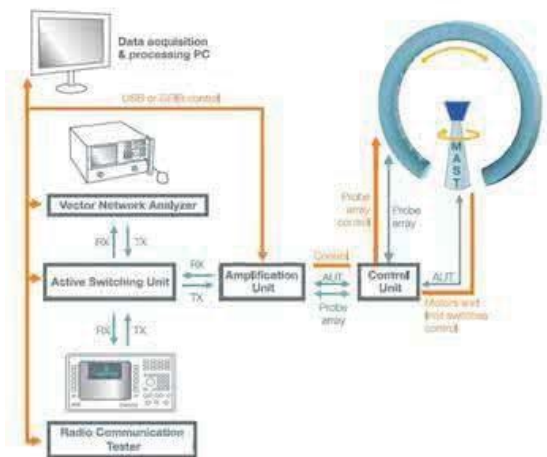
Network Analyzer: 5071c

综合测试仪: R&SCMW500(2/3/4G/NB-IoT/W/BT); Anritsu MT8820C

Comprehensive tester: R&S CMW500(2/3/4G/NB-IoT/WIFI/BT); Anritsu MT8820C

微波暗室: 5G SISO/MIMO, 400 MHz - 8.0 GHz

RayZone® 2800 Chamber 5G (FR1) SISO/MIMO, 400 MHz - 8.0 GHz



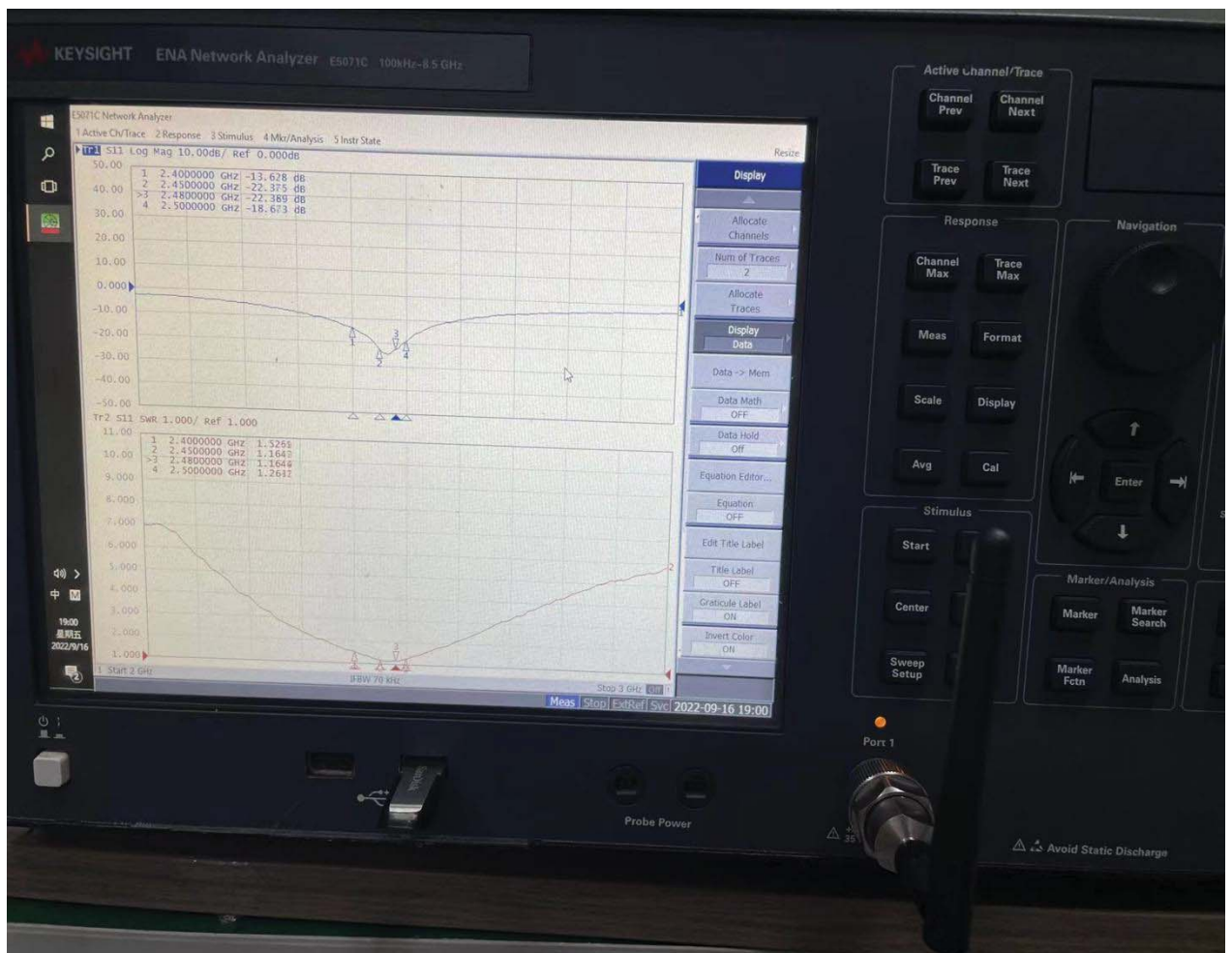
5 环境可靠性测试 Environmental Performance

环境可靠性测试/Environmental Performance		
测试项目 Test Description	测试程序和条件 Test Procedures & Condition	测试要求 Requirements
温湿测试 HumidityTemperature Cycling	测试条件 (DecayTestConditions) : 温度:25-65 °C:Temperature : 25 ~ 65 °C 湿度: 95-100%Humidity: 95-100% (R.H) 持续时间:24 小时 Duration : 24 hours	1, 外观良好 (No evidence of damage) 2, 电气性能符合产品规格 要求 (The electrical performances should meet the spec. specified)
高温试验 High temperature test	测试条件 (DecayTestConditions) : 温度:85 C (Temperature:85 C) 持续时间:10 分钟 Duration: 10 Minute	1. 外观良好 (Noevidenceof damage) 2. 电气性能符合产品规 格要求 (Theelectrical performances should meet the spec. specified)
低温试验 Low Temperature test	测试条件 (DecayTestConditions) : 温度:-40±2C (Temperature:-40 ± 2C) 持续时间:10 分钟 Duration : 10 Minute	1.外观良好 (No evidence of damage) 2. 电气性能符合产品规格要求 (The electrical performances should meet the spec.specified)

6 测试数据 Test data

- VSWR/LOSS/电压驻波/损失

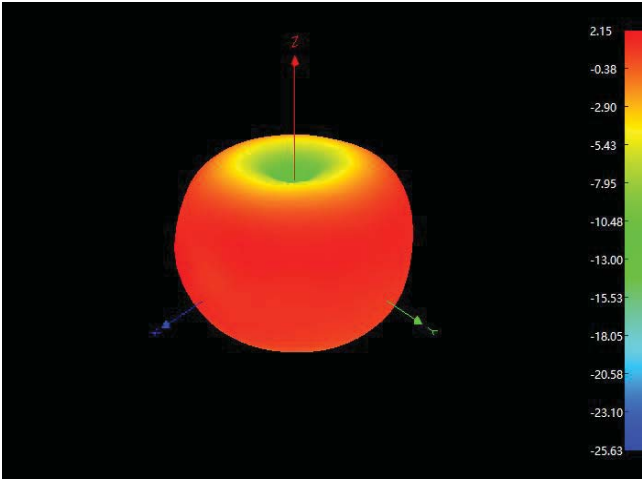
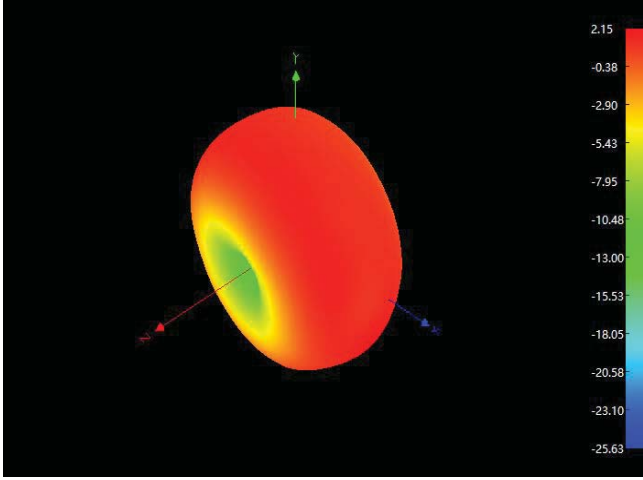
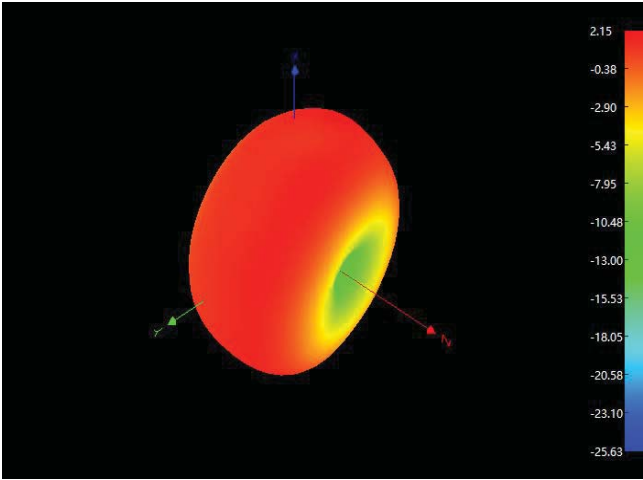
2.4G



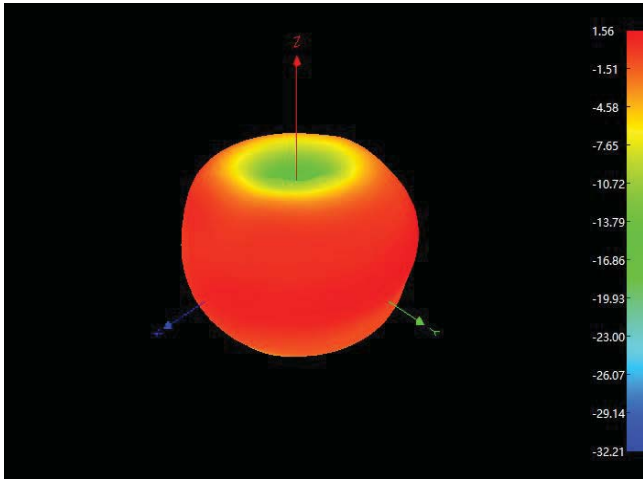
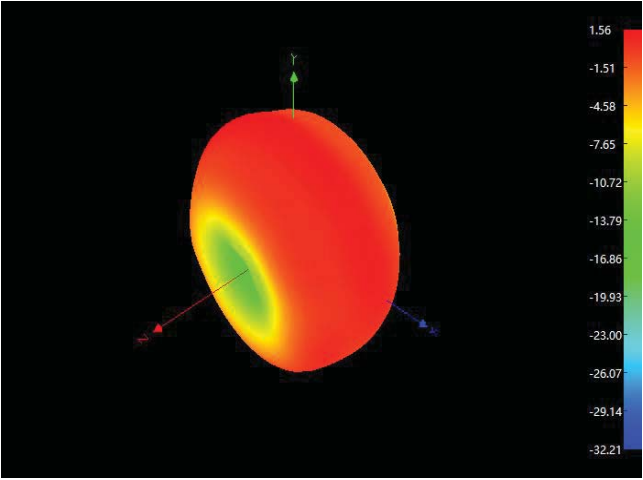
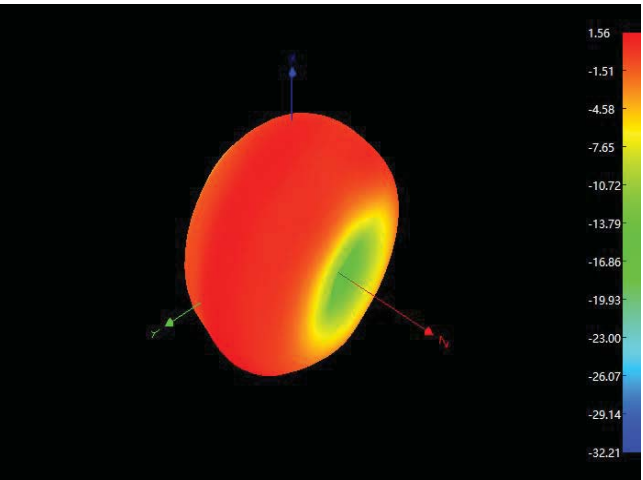
Typical Free Space Efficiency and Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400.00	35.52	2.15
2450.00	33.92	1.56
2500.00	34.25	0.95

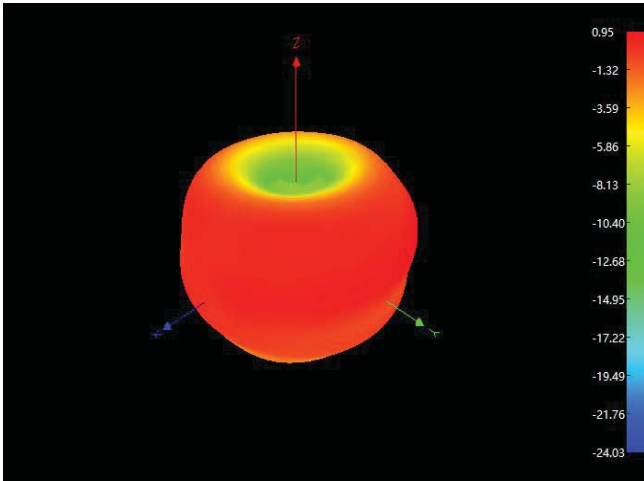
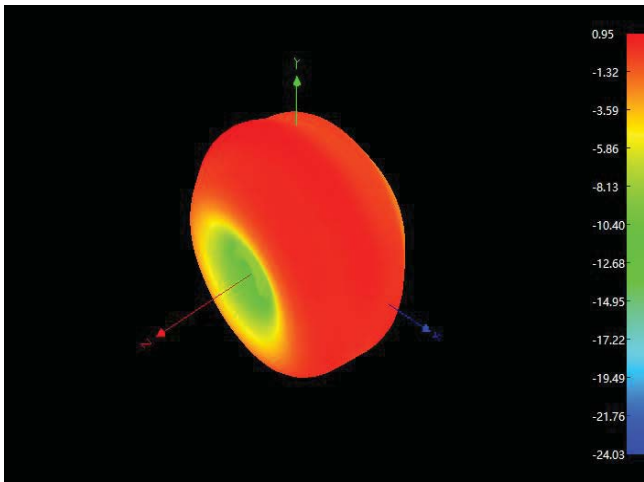
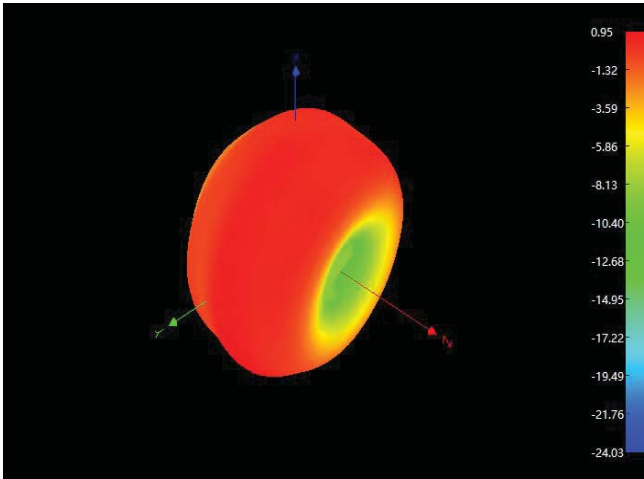
2.4G

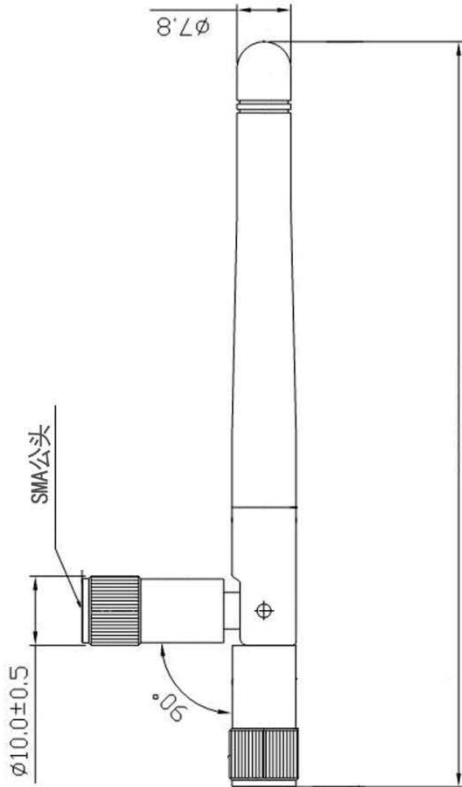


2.45G



2.5G



8		7		6		5		4		3		2		1	
RoHS COMPLIANT										REVISIONS					
										ZONE	REV	DESCRIPTION	DATE	APPROVED	
											A	INITIAL DESIGN	2021/06/24	ZHANG	
															
															
ShenZhen ChuFeng Communication Technology Co., Ltd TEL: 0755-29769193 FAX:0755-29769193															
TITLE: 2.4G ANT 108MM															
DWG NO.		CF-WIFI/ANT-108B			CUSTOMER PIN			UNIT		REV.		A			
GENERAL TOLERANCES		±0.2			SCALE 2:1			APPROVALS		DATE					
.X		±0.2			SIZE A4			DRAWN BY:							
.XXX		±0.2			CHECKED BY:										
ANGLES		±3°			SHEET 1 of 1			APP'D BY:							
(UNLESS OTHERWISE SPECIFIED)															
1		7		6		5		4		3		2		1	