

承認書

APPROVAL SHEET

客 户
CUSTOMER:

品 名 规 格
DESCRIPTION: 2.4G rubber stick antenna SMA male and female needle - L103mm

料 号
PART NO.:

客 户 料 号
CUS PART NO.:

日 期
D A T E: 2024.11.25

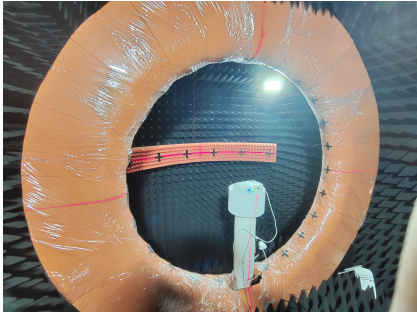
工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT

客户承认签章 Customer signature

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

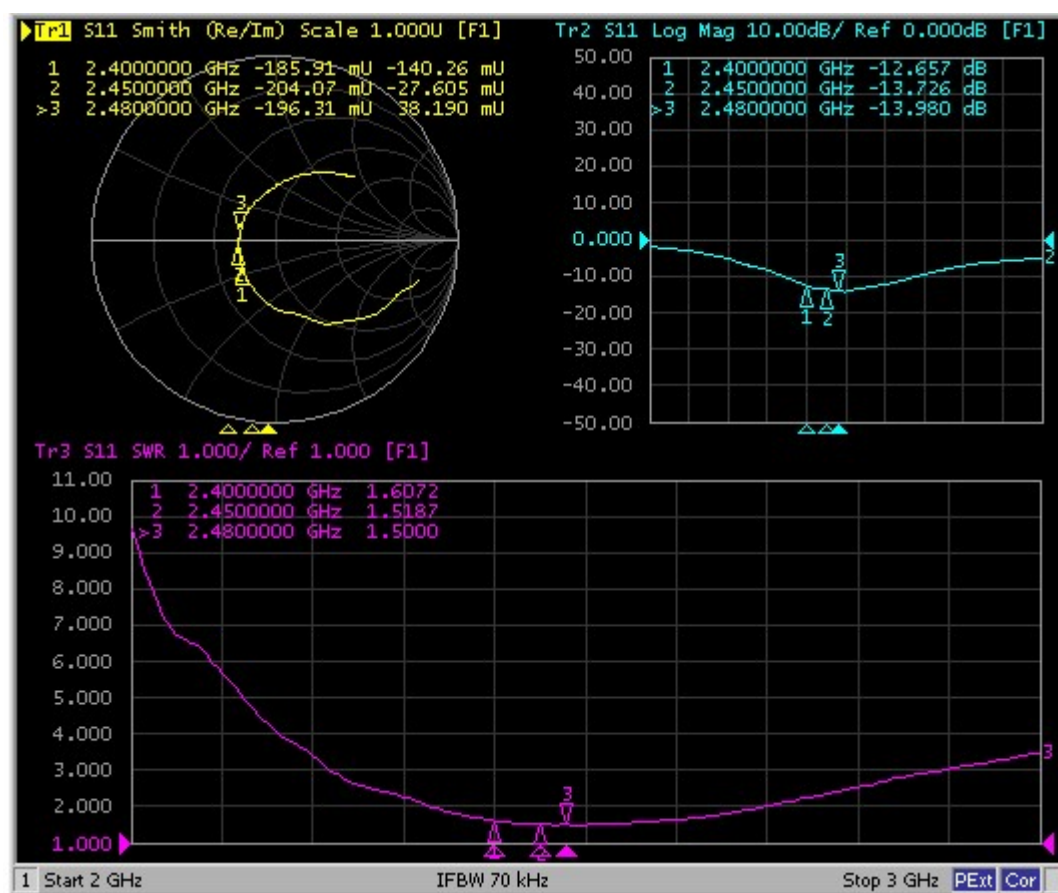
1. 测试项目与设备Test items and equipment

	测试项目 Test project	设备 equipment
1. S11 参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	Network analyzer:Agilent E5071B HP 8753D
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS)	1. Darkroom ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.compcomprehensive test instrument: Agilent 896 0 E5515B ×2 StarPoint SP6011 Cmw500
3.无源测试 (Passive)	1.天线增益 (Gain) 2.天线效率 (Efficiency)	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Network analyzer: Agilent E5071B HP 8753D



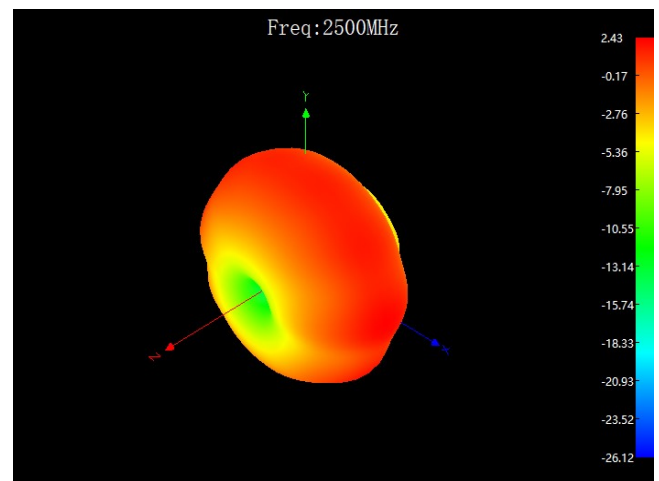
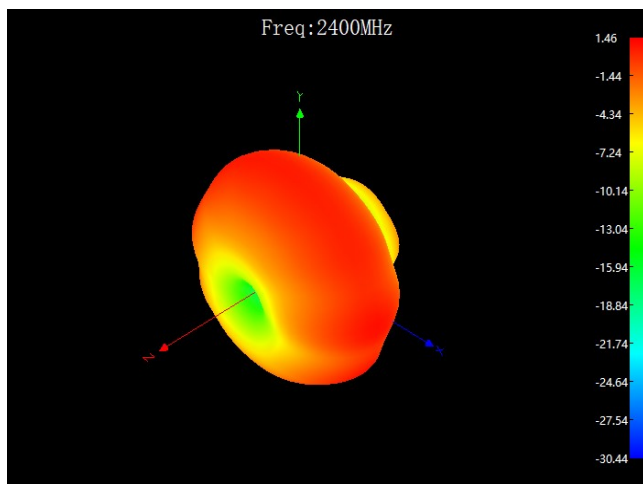
2. 天线性能Antenna performance

SWR



3. 天线效率与增益Antenna efficiency and gain

Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	63.1	1.46
2410	64.27	1.4
2420	66.53	1.45
2430	68.39	1.61
2440	67.3	1.65
2450	68.87	1.74
2460	70.63	1.7
2470	70.15	1.7
2480	71.45	1.99
2490	75.51	2.37
2500	77.8	2.43



4. 天线结构图: Antenna structure diagram

