



匀格（深圳）通信有限公司

Uniform(Shenzhen) Communication Co. LTD

ADD: 深圳市宝安区西乡龙腾社区双龙 35 栋 509

客户（Customer）: _____

产品（Product）: 2.4G SMA External antenna

型号（Model）: _____

天线类型（Ant Type）: External antenna

制作人（Written By）: _____

签发时间（Issued Date）: 2023-06-08

客户 CUSTOMER

工程部 ENGINEER R&D DEPT	品质部 QUALITY DEPT	批准 APPROVED

Free Walk

射频 R&D DEPT	工程部 ENGINEER R&D DEPT	批准 APPROVED



Add: 509, Unit 6, Longhua Building, Building 35, Shuanglong Garden, Xixiang Avenue,
Longteng Community, xixiang street, Bao 'an District, Shenzhen



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The basic parameters

A. Electrical Characteristics	
Frequency	2400 MHz ~2500MHz/5150 MHz ~5850MHz
VSWR	≤2
Efficiency	>50%
Impedance	50 Ohm
Polarization	Linear
Gain	2.43dBi ±0.5
B. Material & Mechanical Characteristics	
Material of Radiator	SMA
Cable Type	
Connector Type	
Dimension	
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

Test Equipment & Conditions

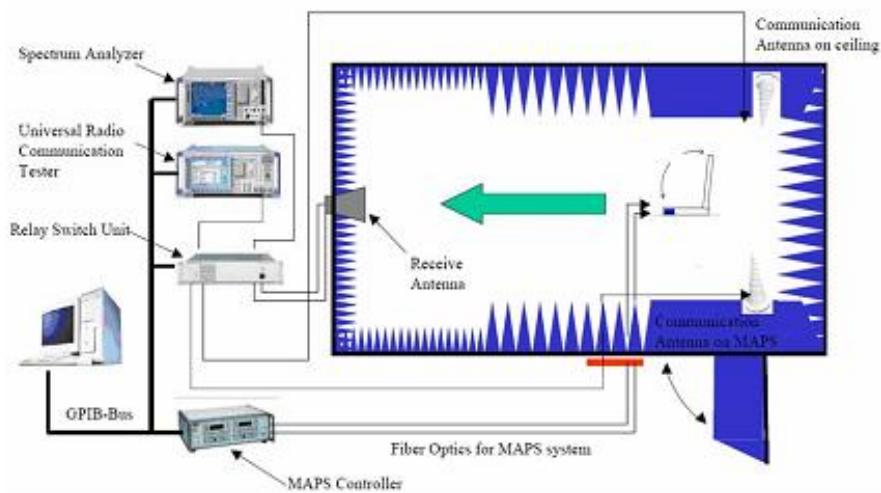
1. Network Analyzers :

Agilent 8753D 5071B

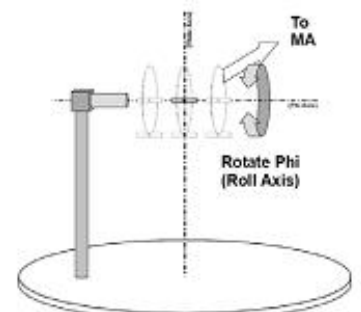
2. Communications Test Set:

Agilent 8960

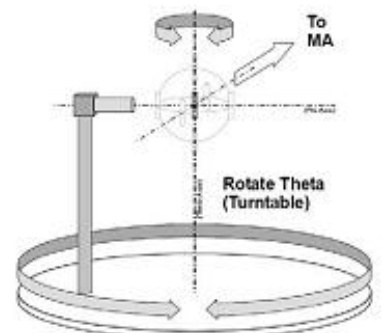
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



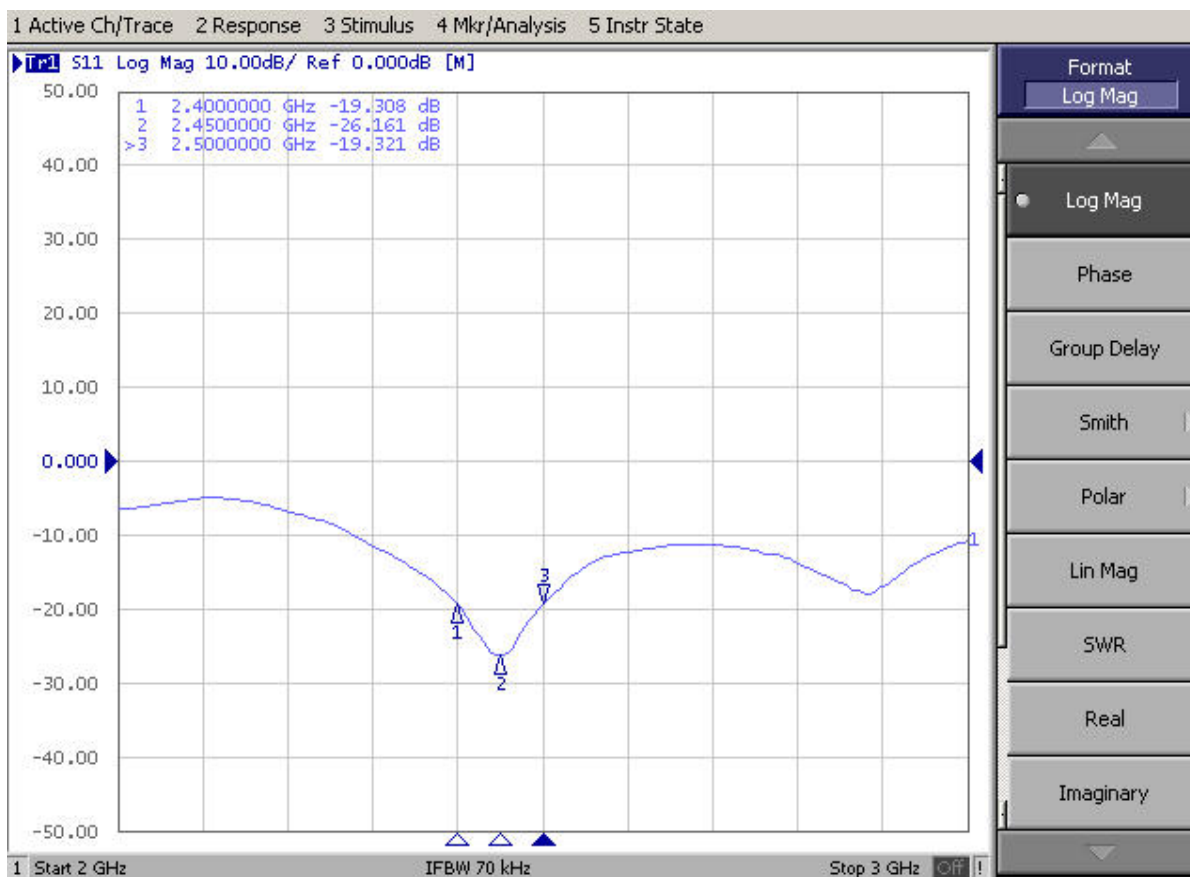
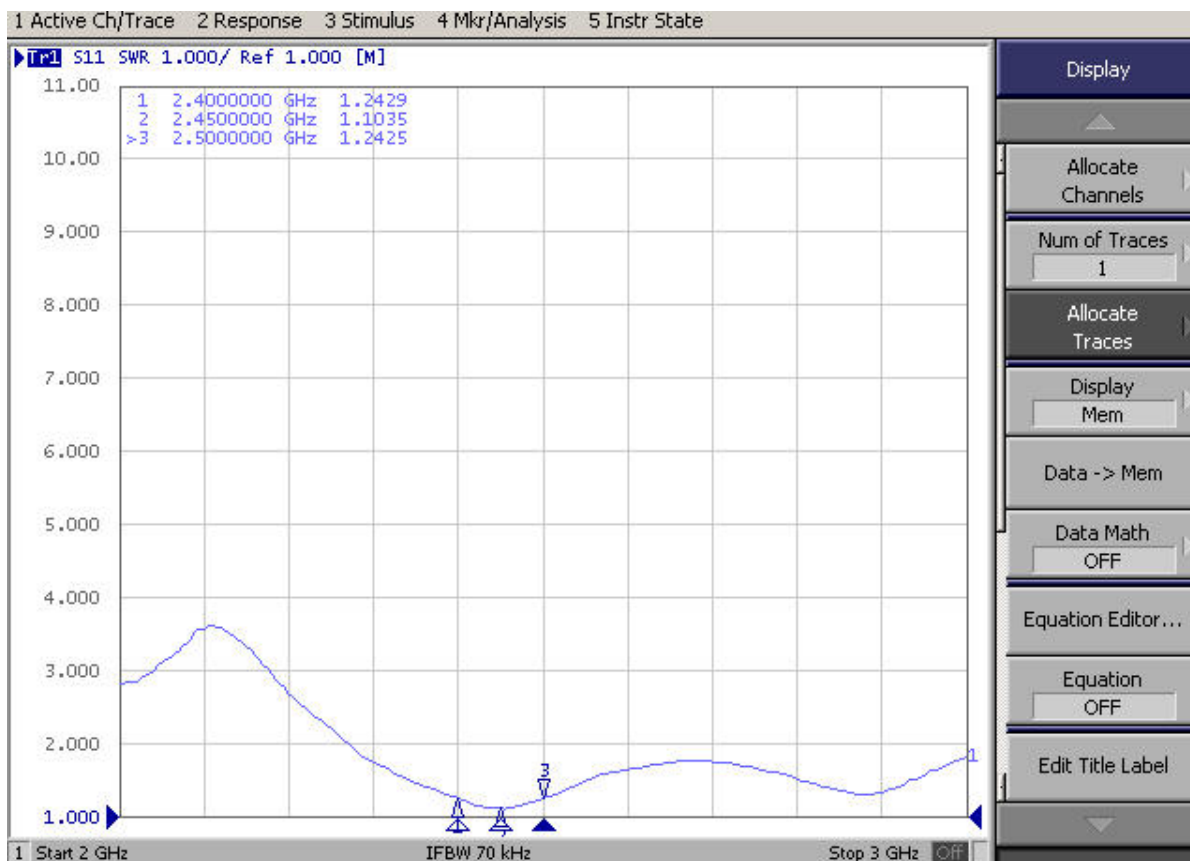
Theta axis test



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测试数据 Test data





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效率&增益: Efficiency & Gain

2.4G test data

Freq (MHz)	Effi (%)	Gain(dBi)
2400	56.48	2.26
2410	50.99	2.01
2420	54.82	2.23
2430	52.53	2.35
2440	56.36	2.14
2450	54.23	2.08
2460	58.20	2.29
2470	55.76	2.25
2480	59.08	2.43
2490	58.54	2.28
2500	57.16	2.17

方向图 (2D)
Directional ma (2D)

