

深圳市空间赛道科技有限公司

天线规格承认书

Antenna Specification for Approval

客户名称

CustomerName: 空间赛道电子

产品名称:

ProductName: 2.4G天线 全长35mm白色

客户型号:

ProductNo:

产品料号:

Part NO.:

制表:

Write By:

周敏

日期:

Issued Date: 2022-3-20

客 户:

工程R&D Dept	采购Business Dept	承认 Approved By

空间赛道

研发R&D Dept	工程 Engineer Dept	审核 Approval

材料	规格	数量	备注
棒料	φ10	1	
棒料	φ10	1	
棒料	φ10	1	
棒料	φ10	1	



线材 1mm白色镀银线

空间赛道科技有限公司

PART TITLE	2.4G天线	MATERIAL	第 1 页 1mm白色镀银线	UNIT IN	等 第 1 页 mm	SCALE	放大 5:1	SUPPLIER CPM	鼎南改 靡 1
PART NO.	2.4G天线	DRAWING	第 1 页	DATE	2022. 3. 30	CHECKING	机 1		

要求:

1、标注公差的重要尺寸,未标注公差的按 ± 0.15 。

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain 0DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.0 19P 白色

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

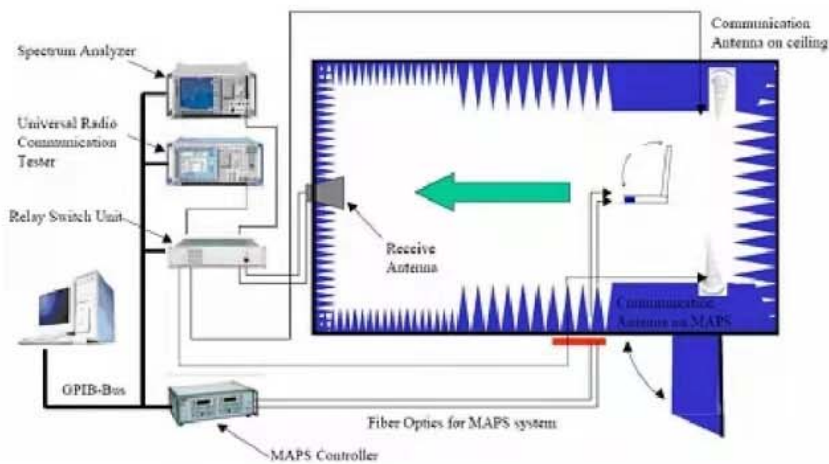
Agilent 8753D 5071B

2. Communications Test Set:

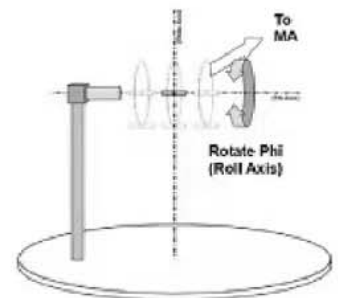
Agilent E5515C

3. 3D Chamber Test System

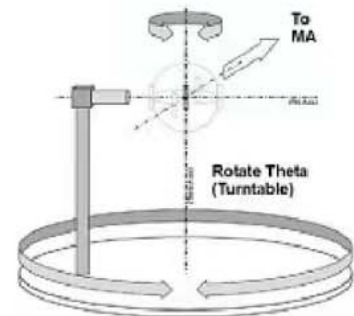
Effiency &Gain



(Testing by 3D anechoic chamber)



Phi axis test

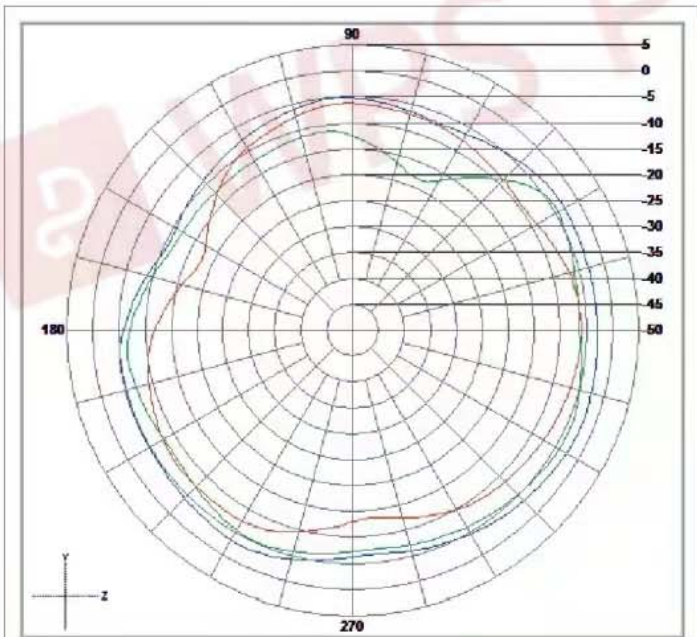


Theta axis test

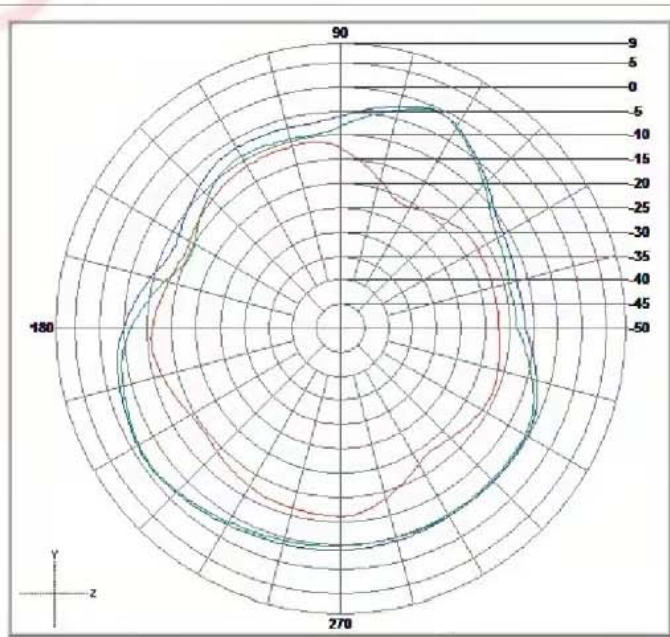
Effiency &Gain

2.40	-0.00
2.440	-0.11
2.48	-0.13

Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-8.4	-6.99	-4.63
Peak Gain	-5.48	-3.77	-2.17



	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12

