

RUV R&D Center, Corp.

Customer Name: _____

Supplier specification model: 2.4GHz &5GHz External antenna

Customer Material Code: 30110-01290

Customer Material Name: 2.4GHz &5GHz External antenna

Customer specifications Model:

出厂签章:

核准	审核	制作

客户承认签章:

承认结果: ☐ 合格 ☐ 不合格

批准	审核	检验

Manufacturer: RUV R&D Center, Corp.

Manufacturer's Address: No.21, Alley 26, Lane 111, Da-an Road, Shulin City, Taipei County, 23847 Taiwan, China

承认书

客户（Customer）：_____

产品（Product）：_____ 2. 4GHz&5GHz External antenna

型号（Model）：_____

料号（Part Number）：_____ 30110-01290

制作人（Written By）：_____

签发时间（Issued Date）：_____ 2023-05-10

客户 CUSTOMER

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

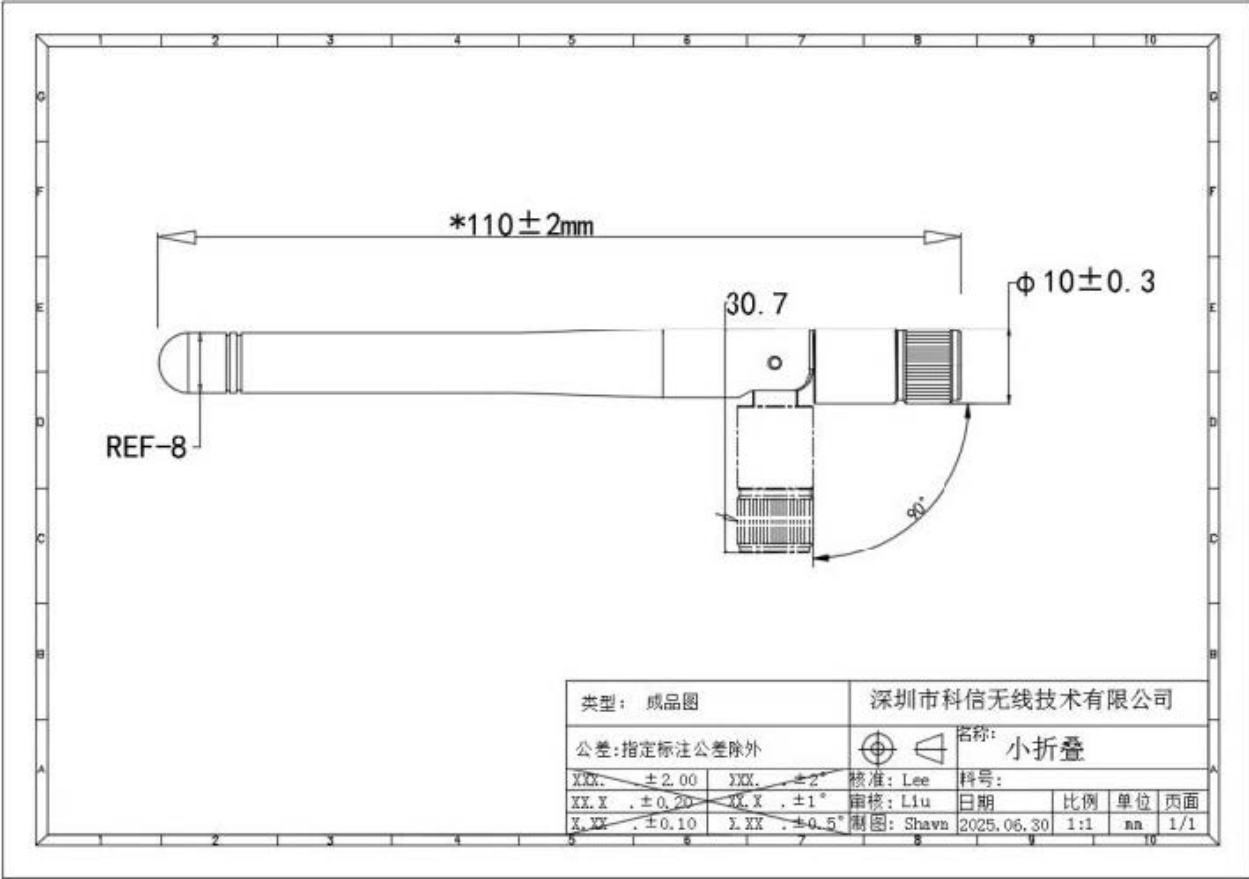
Free Walk

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

The basic parameters

A. Electrical Characteristics	
Frequency	2400 MHz ~2500MHz 5150MHz ~5850MHz
VSWR	≤2
Efficiency	>60%
Impedance	50 Ohm
Polarization	Linear
Gain	2dBi±1
B. Material & Mechanical Characteristics	
Material of Radiator	
Cable Type	Φ 1.13mm Black
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

工程图纸
Product Drawing



Test Equipment & Conditions

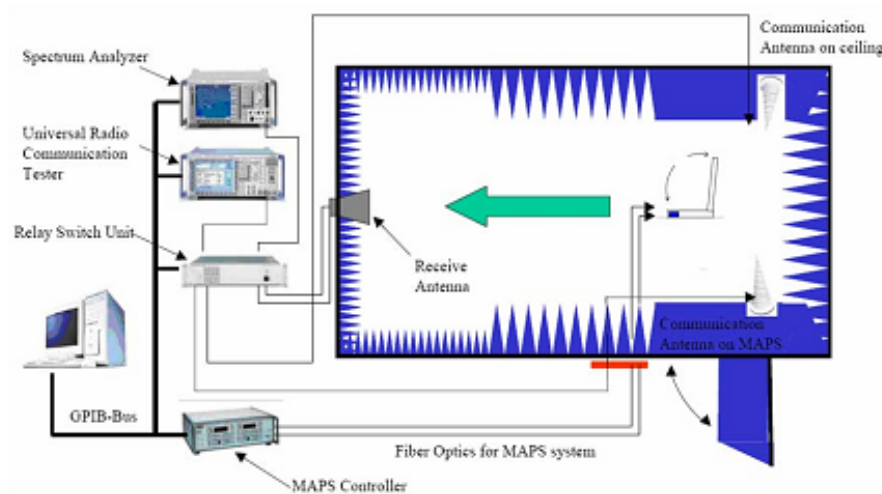
1. Network Analyzers :

Agilent 8753D 5071C

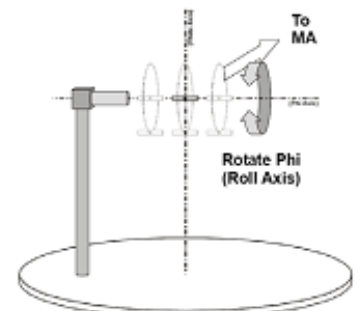
2. Communications Test Set:

Agilent 8960 CMW500

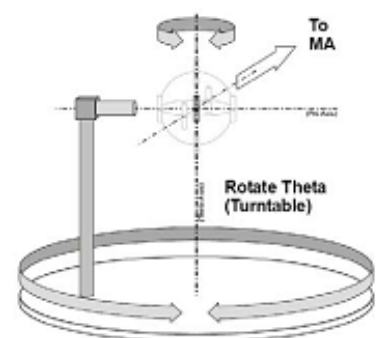
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

效率&增益:
Efficiency&Gain

Passive Test For 2400-2500		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	62.38	3.21
2410	63.38	3.16
2420	66.55	2.57
2430	70.55	2.94
2440	75.83	2.91
2450	71.11	2.74
2460	72.86	2.72
2470	73.88	2.92
2480	70.57	3.01
2490	71.96	3.15
2500	72.76	2.91
Passive Test For 5150-5850		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	67.21	2.9
5220	69.22	2.53
5290	69.04	2.7
5360	73.2	2.59
5430	70.7	2.63
5500	73.67	2.74
5570	67.88	2.94
5640	64.23	3.17
5710	66.57	2.55
5780	64.69	2.51
5850	61.16	2.7

方向图(3D图)

Patten

