

承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME: 拓普

产 品 名 称

PRODUCT NAME: 2.4G 1.13 black double tin wire + terminal L=65MM, the other end stripped wire is 30MM long (only the insulation and core wire are left)

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB06000871A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Huang	
APPROVED BY:	Changxing Liu	
DATE:	2025/3/7	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Huang	2025-3-7

试用水印

Content

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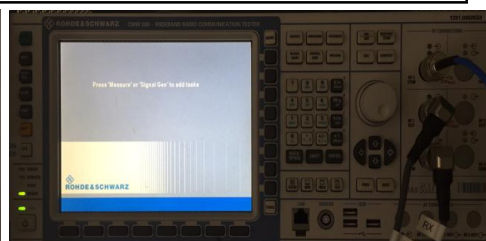
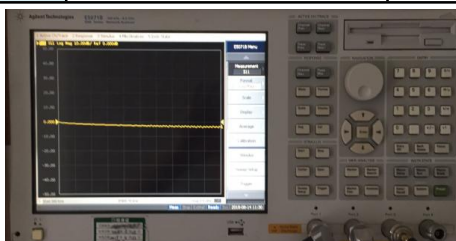
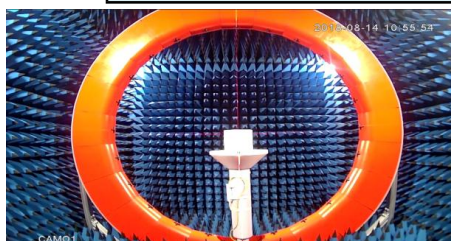
试用水印

1. Electrical Specification

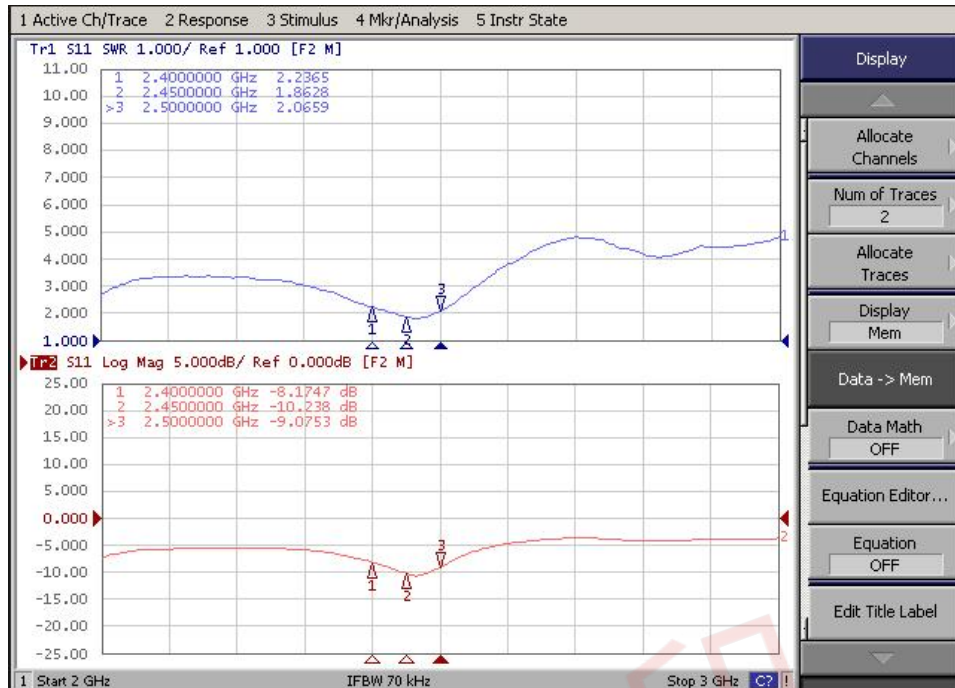
Characteristics	Specifications	Unit
Outline Dimensions	65, 30,L65	mm
Frequency	2400/2500	MHz
Impedance	50	Ω
VSWR	< 2.2	
Polarization	Linear Polarization	
Gain	2.14	dBi
Efficiency	>20	%
Connector Type	RF 2	
Operating temperature	-20℃~+85℃	
Storage Temp	-20℃~+50℃	

2. Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



3. S Parameter

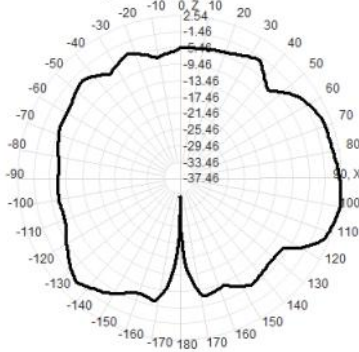


4. Efficiency and Gain

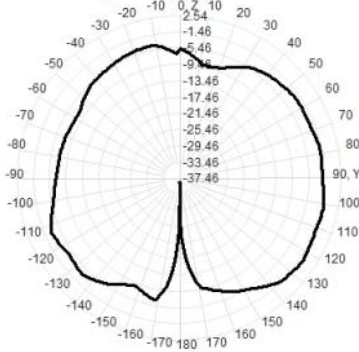
Frequency / MHz	Efficiency / %	Gain/ dB
2400	40.17	2.54
2410	41.76	1.96
2420	41.23	1.69
2430	42.24	1.7
2440	43.06	1.81
2450	43.49	2.81
2460	44.45	1.95
2470	45.05	2.14
2480	43.45	1.97
2490	42.59	1.74
2500	42.2	2.04

5. RadiationPattern

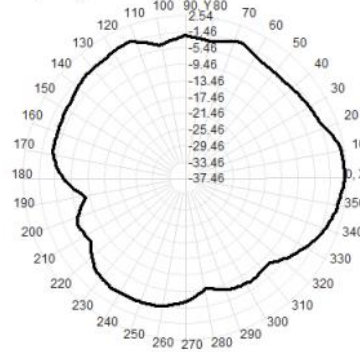
2400.0MHz Total(E1-XZ), Max= 2.54dBi



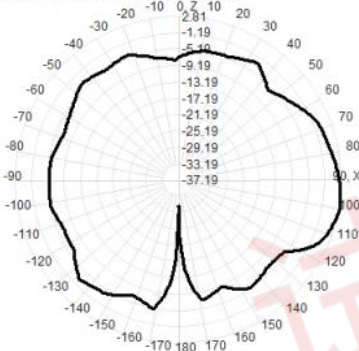
2400.0MHz Total(E2-YZ), Max= -0.96dBi



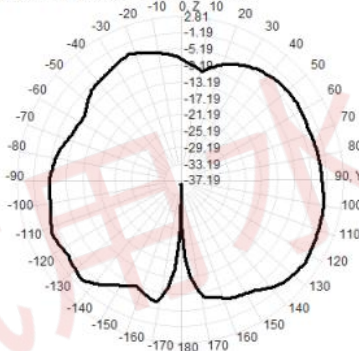
Total(H-XY), Max= 1.84dBi, CirD=14.38



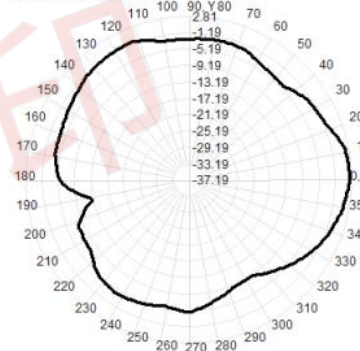
2450.0MHz Total(E1-XZ), Max= 2.81dBi



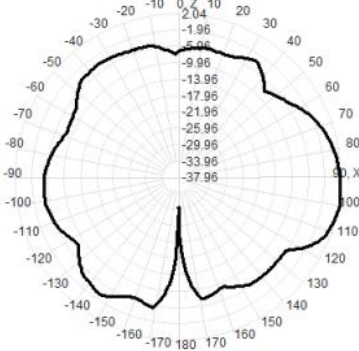
2450.0MHz Total(E2-YZ), Max= -0.78dBi



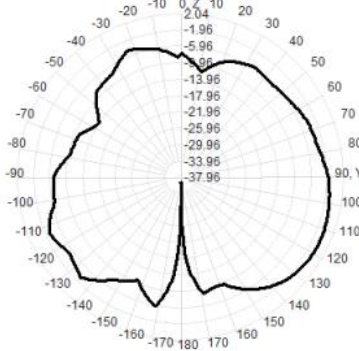
Total(H-XY), Max= 2.09dBi, CirD=15.24



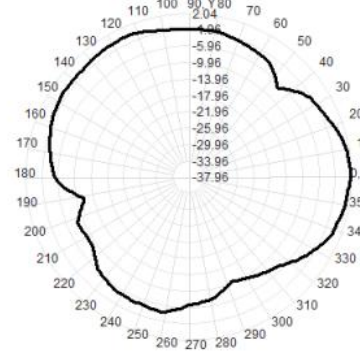
2500.0MHz Total(E1-XZ), Max= 2.04dBi



2500.0MHz Total(E2-YZ), Max= -0.53dBi



Total(H-XY), Max= 1.56dBi, CirD=13.32



6. Antenna installation diagram



如图所示：WIFI线固定在侧面

7. Mechanical Specification

