

Acknowledgment Letter

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4/5.8G Ceramic Patch Antenna

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB01NT2D1607A REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Lina 	
APPROVED BY:	Yuefei. zhu	
DATE:	2026/07/29	

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Lina	2026-07-29

Content

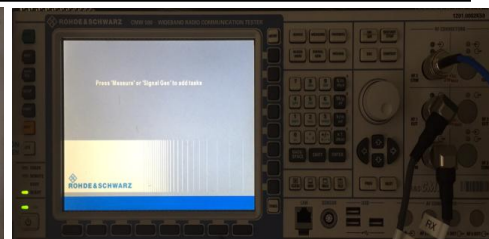
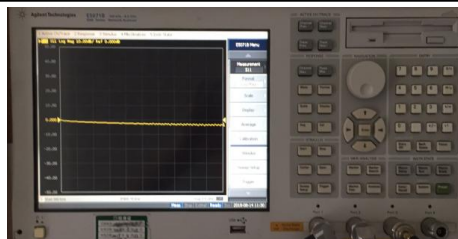
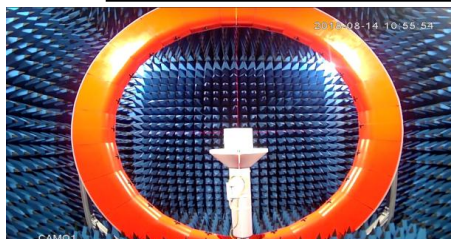
<i>Item</i>	<i>Description</i>
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1. Electrical Specification:

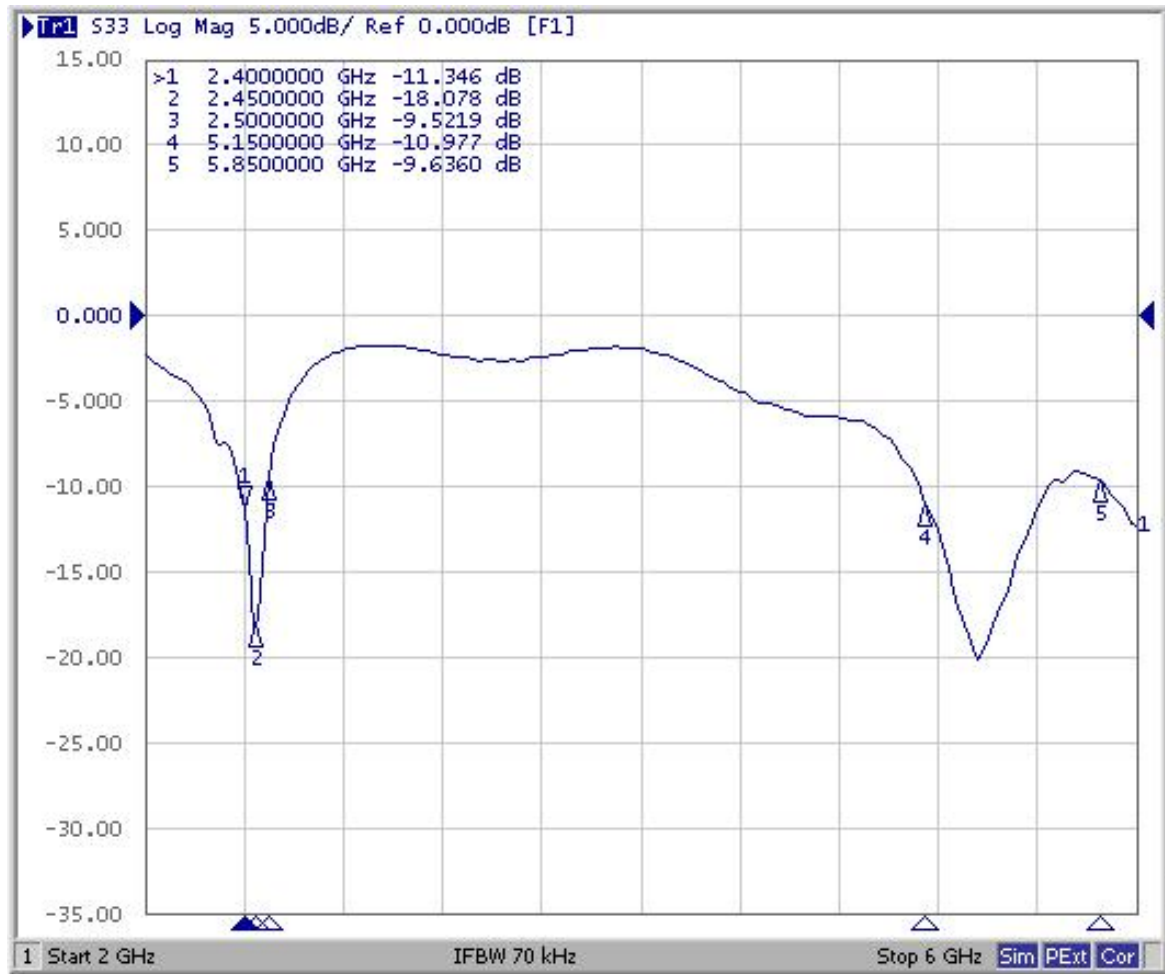
Characteristics	Specifications	Unit
Outline Dimensions	3.2*1.6*0.8	mm
Frequency	2400-2500/5150-5850	MHz
Impedance	50	Ω
VSWR	≤ 2.5	
Polarization	Linear Polarization	
Atmospheric Pressure (kPa)	100.5	
Power Capacity	3W	
Connector Type	/	
Temperature (°C)	25°C	
Humidity (%RH)	60	

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



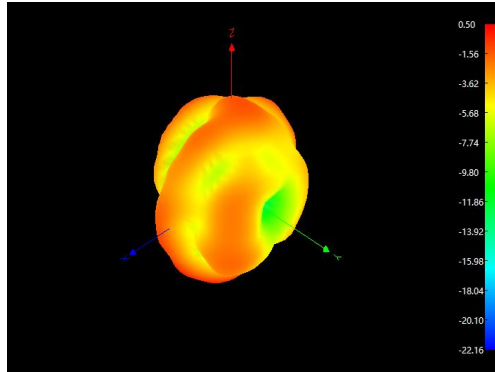
4. Efficiency and Gain

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	0.5	30.9
2410	0.87	30.06
2420	0.98	34.04
2430	0.88	30.83
2440	0.73	33.88
2450	0.72	33.88
2460	0.84	34.59
2470	0.98	36.06
2480	-0.17	33.42
2490	0.21	34.36
2500	-0.09	33.81
5150	0.51	29.72
5200	0.8	34.99
5250	0.55	37.24
5300	0.04	41.11

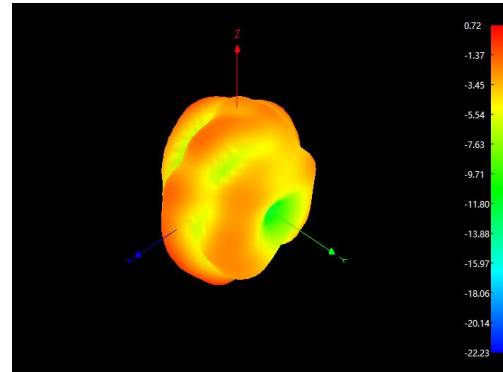
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
5350	0.62	46.77
5400	0.3	48.98
5450	0.08	39.17
5500	0.77	45.6
5550	0.91	37.15
5600	0.67	35.73
5650	0.75	31.7
5700	0.8	33.42
5750	0.92	30.41
5800	0.16	30.27
5850	0.09	33.81

5. Radiation Pattern

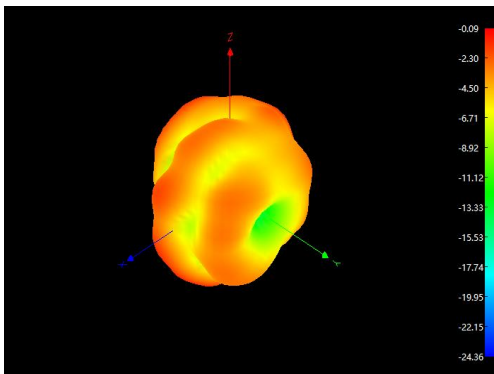
5-1 Antenna 3D Radiation Pattern



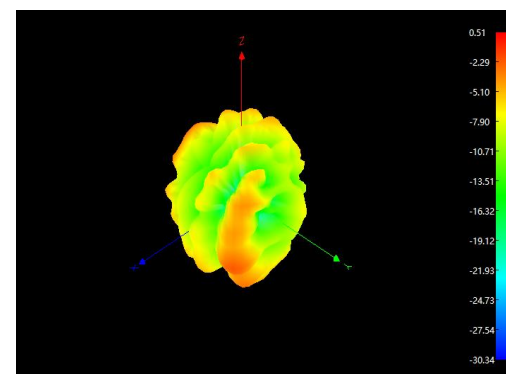
2400MHz



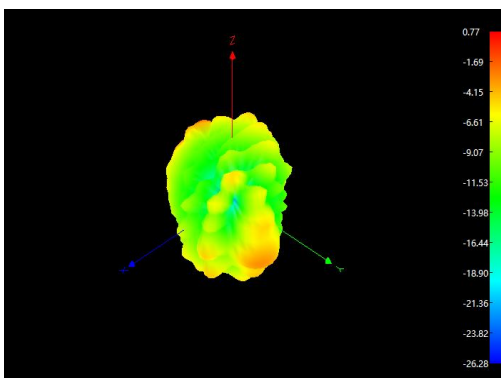
2450MHz



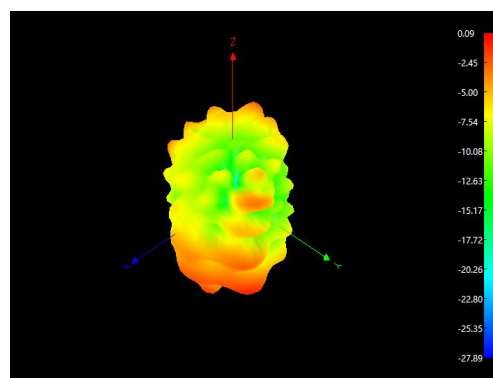
2500MHz



5150MHz

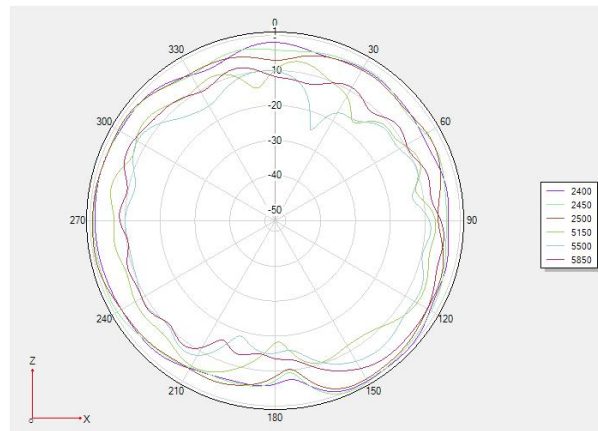


5450MHz

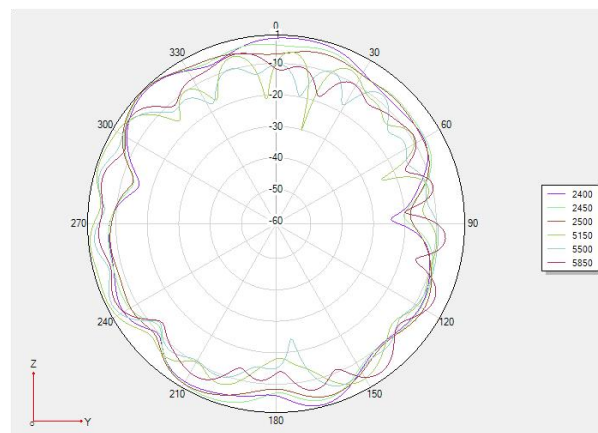


5800MHz

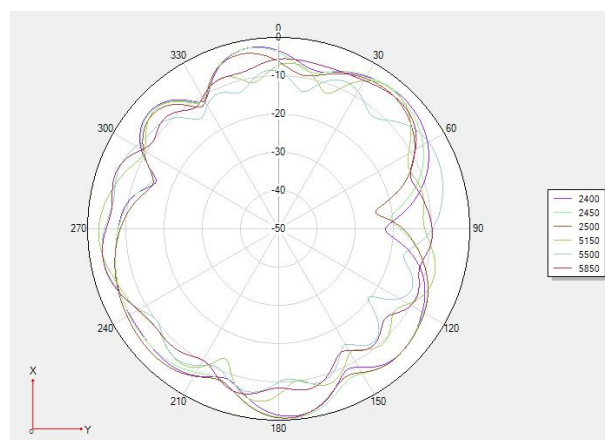
5-2 Antenna 2D Radiation Pattern



Phi 0 2D



Phi 90 2D

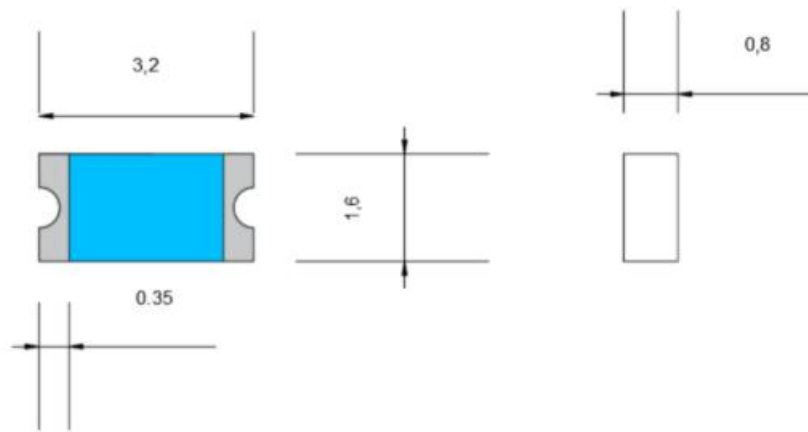


Theta 90 2D

6. Test Setup Photo



7. Mechanical Specification:



8. packaging method

