

ShenZhen Powerful Technology CO., Limited

SPECIFICATION FOR APPROVAL

CUSTOMER: _____

CUSTOMER NO: IPEX-FPC-P4N-370

PART NAME: 2.4GHz Antenna: FPC White / 1st Generation Terminal /
Soldered with 1.13 White Wire / L = 370mm

SUPPLIER NO: YL1523-2.4GHz-V1(IPEX-P4N-370)

Date: 2024.09.02

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
Xuan xuan zhao	Na chen	Quan zhang



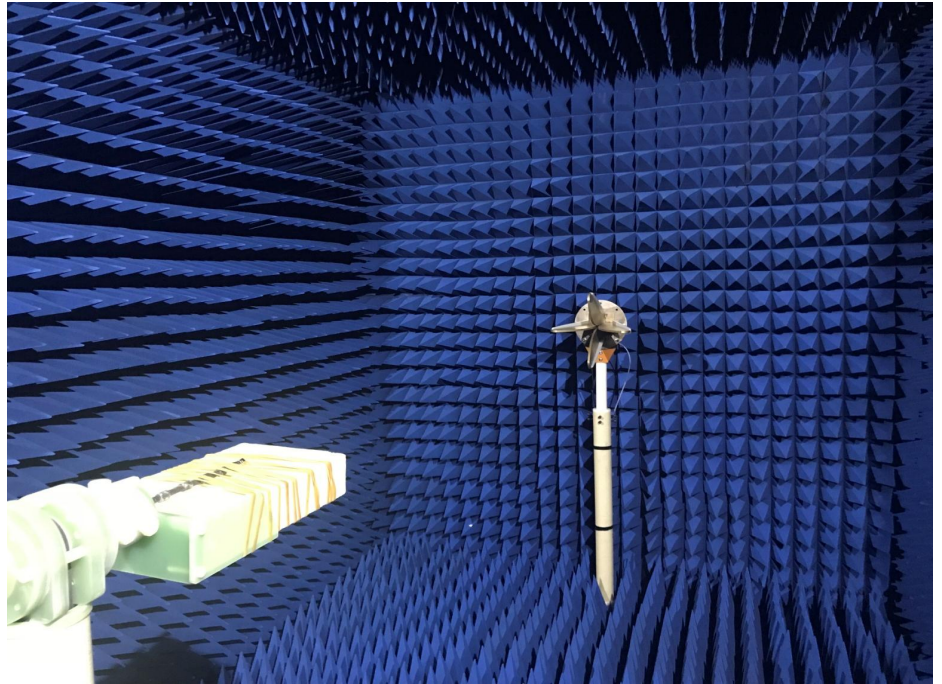
CMW500



E5071B



Aglient 8960



(Test Project) : S11、S12 、 VSWR 、 Efficiency、 Gain 3D Radiation Pattern 、 TRP、 TIS

深圳有力科技有限公司
ShenZhen Powerful Technology CO., Limited

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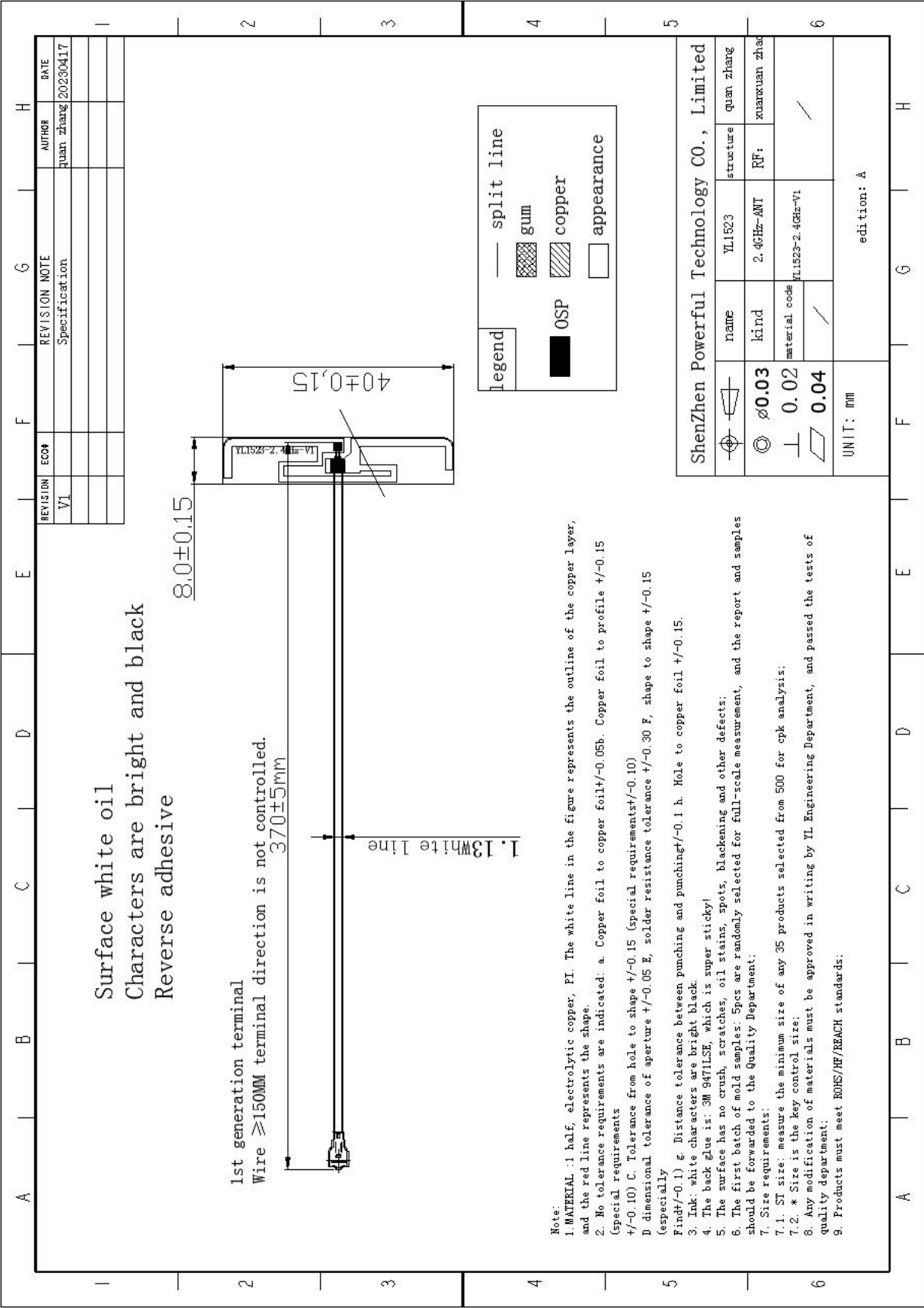
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1. Technical Index

Frequency Range （MHz）	2400-2500MHz
Gain （dBi）	MAX 3.27dBi
VSWR/50 Ohms	≤2.0
Impedance	50 Ω
Termination	L=370mm
Operating Temperature （℃）	-30~+65

2. Drawings





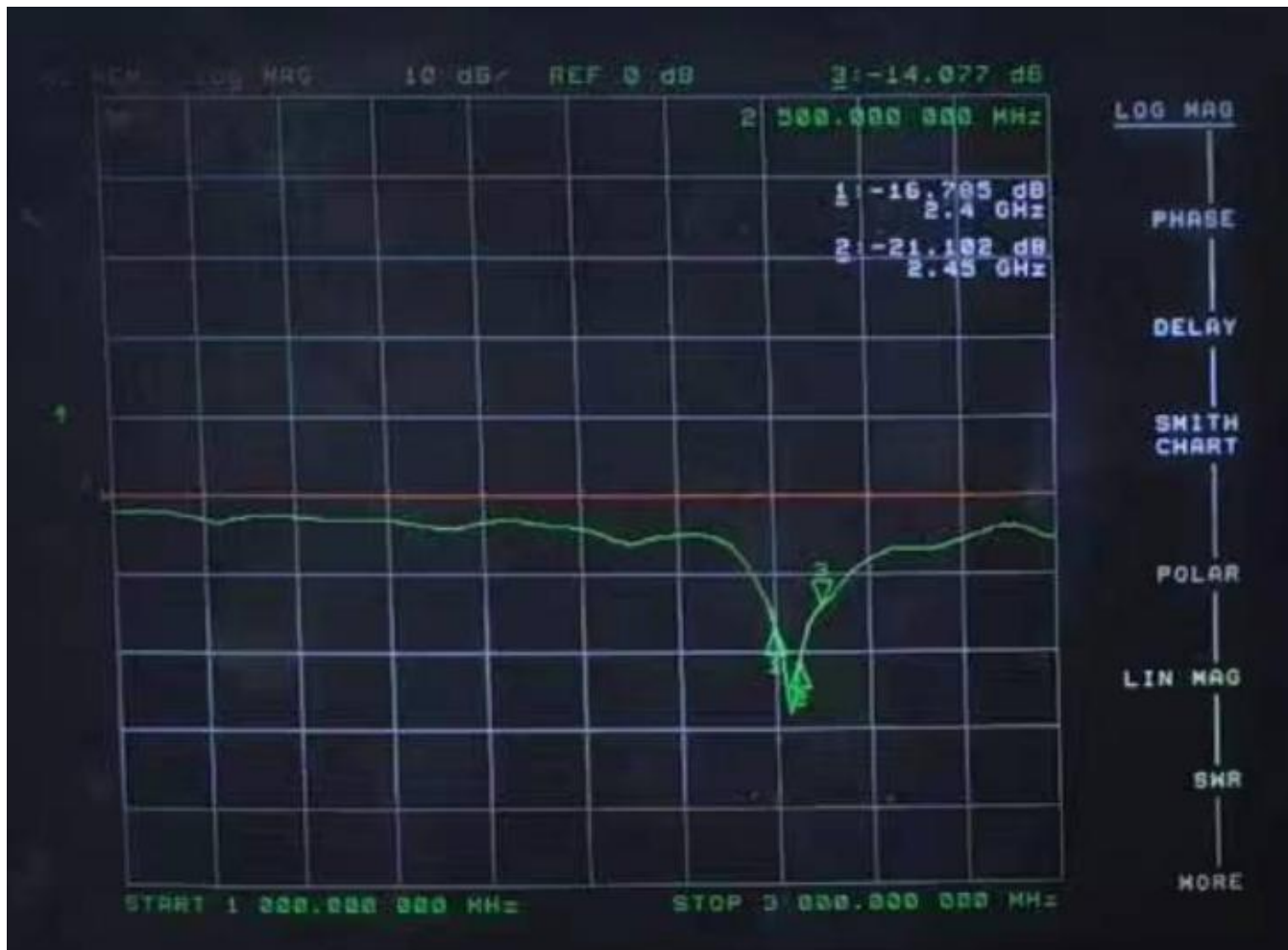
ShenZhen Powerful Technology CO., Limited					
		name	YL-1.13-1	Structure	quan zhang
	ø0.03	kind	1代端子	RF	xuanxuan zhaod
	0.02	material code			
	0.04				
UNIT: mm			edition: A		

3. Antenna test data



Frequency (MHz)	VSWR
2400Mhz	1.47
2450Mhz	1.21
2500Mhz	1.11

Return Loss.



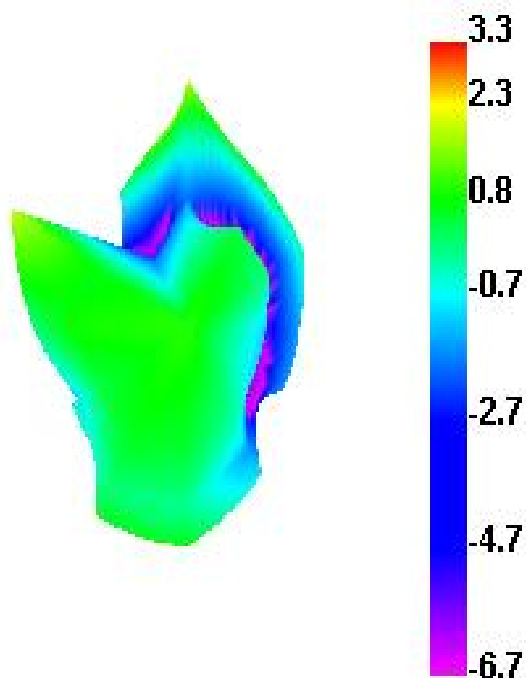
Frequency (MHz)	Returnloss
2400Mhz	-16.70
2450Mhz	-21.10
2500Mhz	-14.07

3-1 Efficiency / Gain

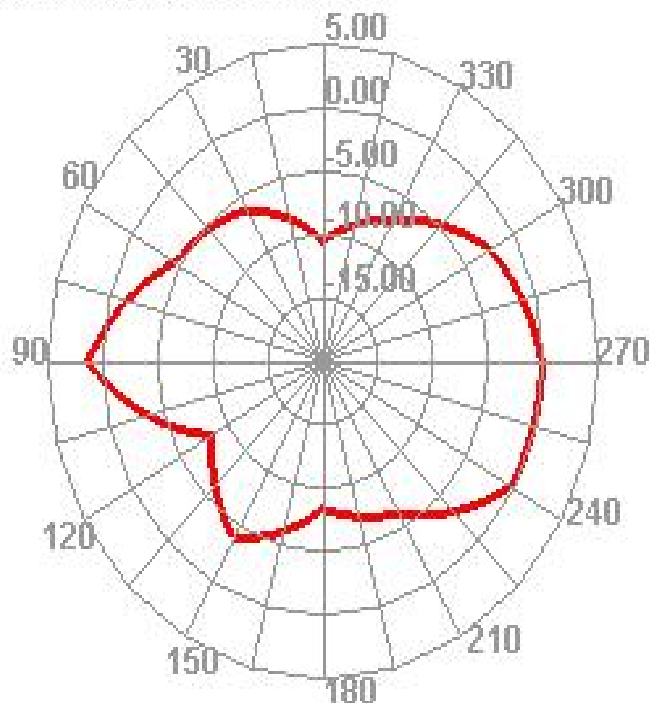
Passive Test For 2.4G		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	66.8	3.27
2405	64.12	2.84
2410	63.39	2.88
2415	62.61	2.66
2420	64.01	2.63
2425	62.31	2.47
2430	60.23	2.34
2435	63.62	2.55
2440	66.28	2.73
2445	66.34	2.75
2450	67.98	2.87
2455	68.17	2.91
2460	68.55	2.98
2465	67.29	2.95
2470	65.45	2.87
2475	65.62	2.92
2480	65.52	2.94
2485	66.24	2.98
2490	66.73	2.98
2495	64.94	2.85
2500	64.21	2.79

3-2 antenna pattern

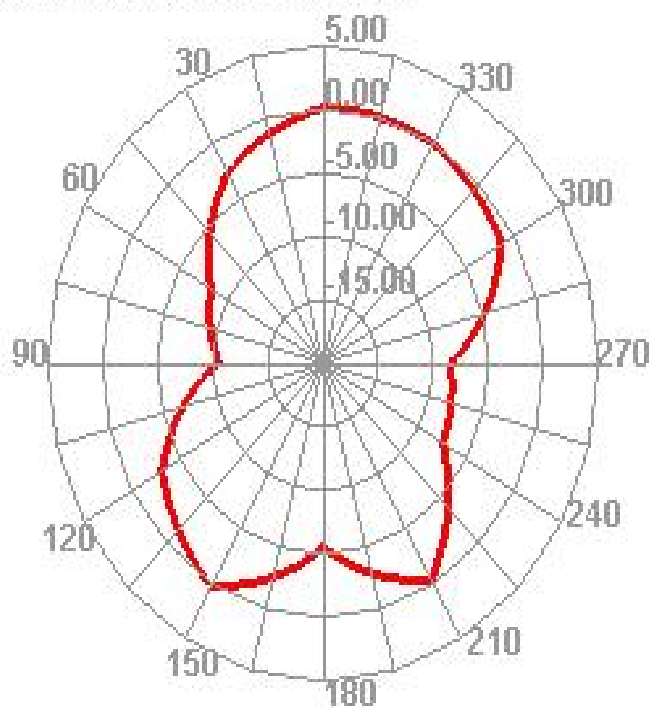
2400.000MHz



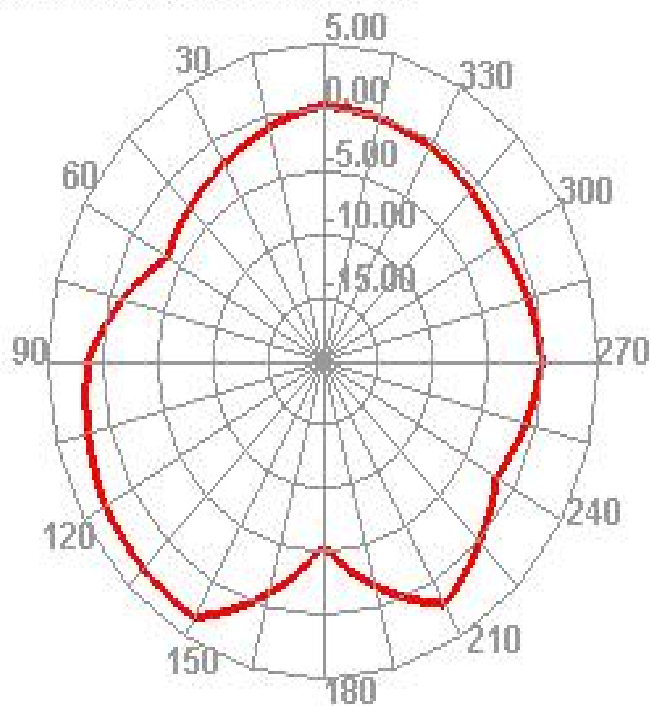
2400.000MHz H



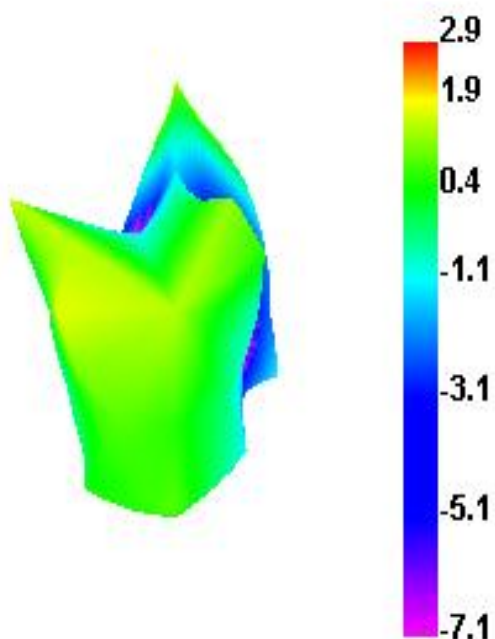
2400.000MHz E1



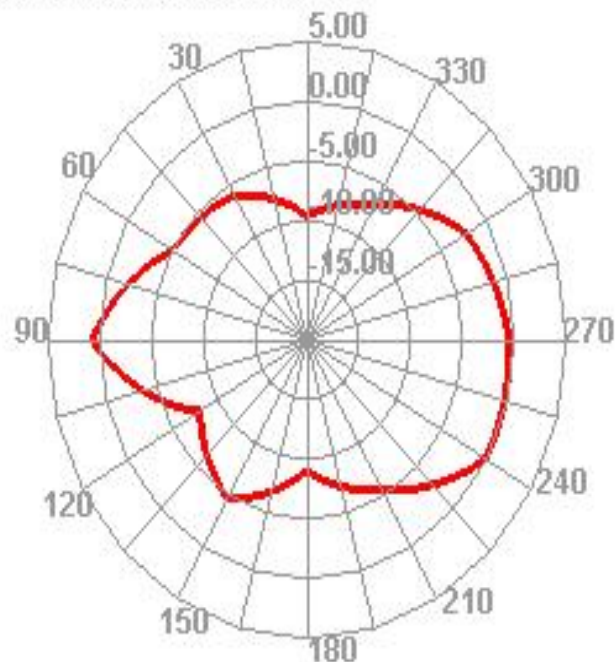
2400.000MHz E2



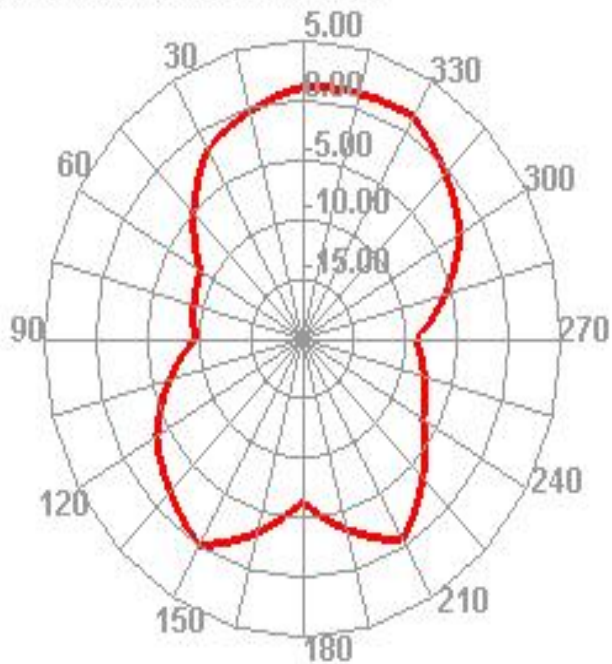
2450.000MHz



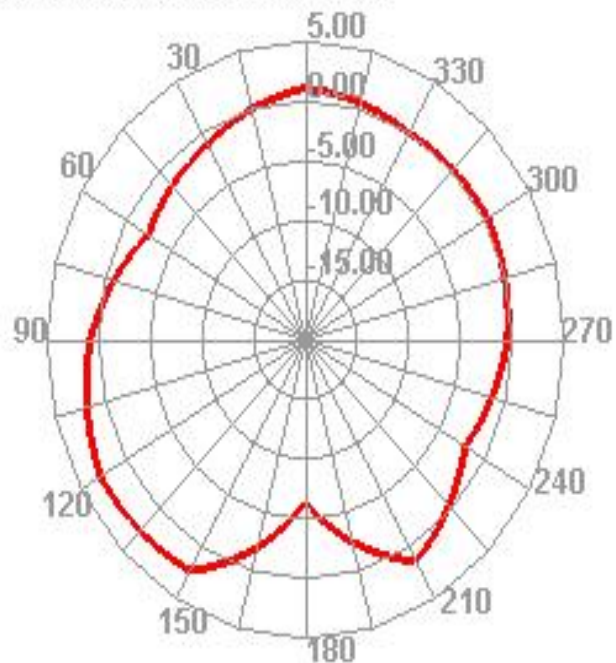
2450.000MHz H



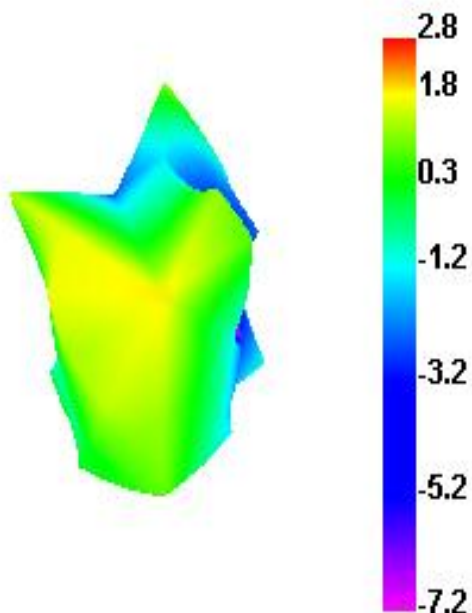
2450.000MHz E1



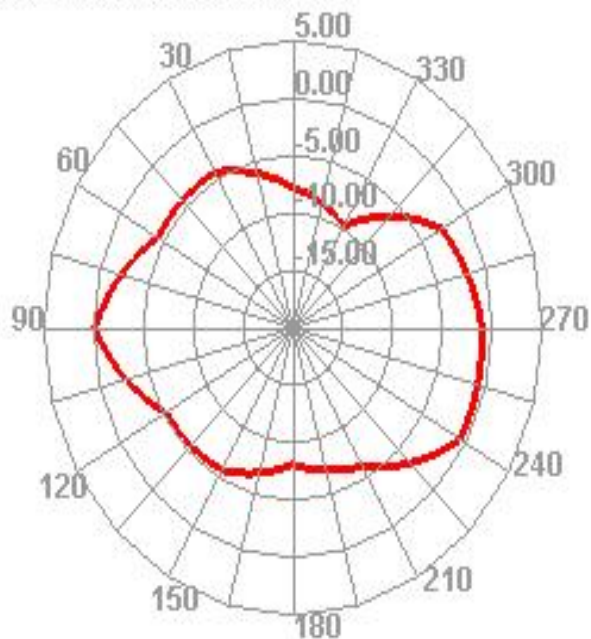
2450.000MHz E2



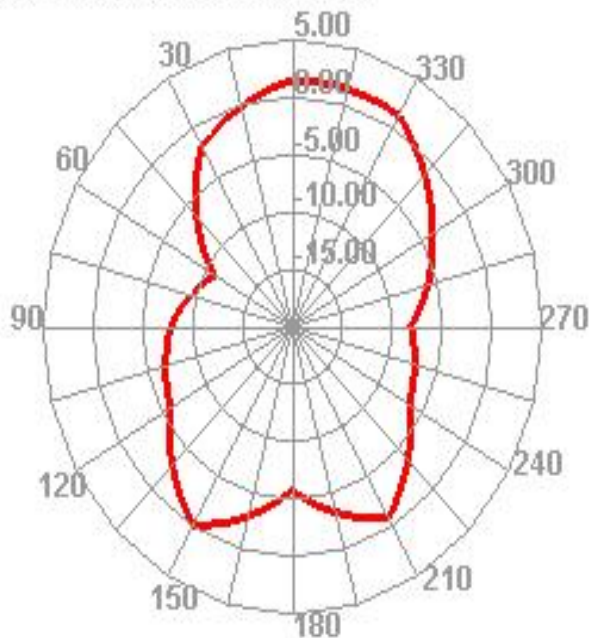
2500.000MHz



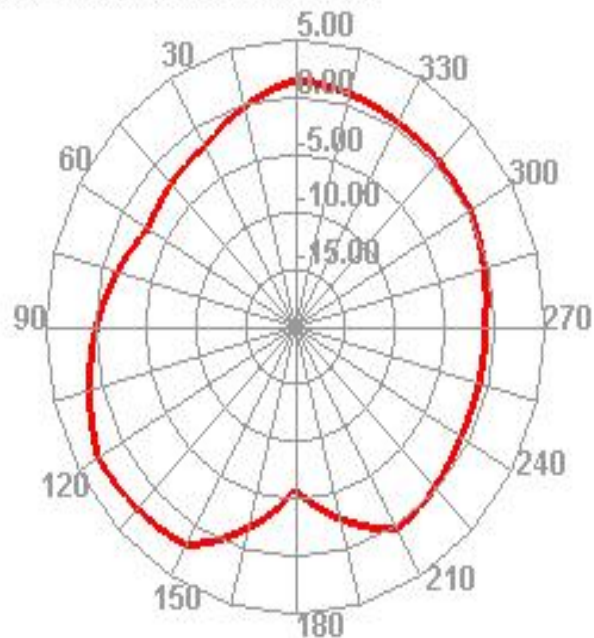
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



packaging

General Requirements:

1. Indicate the customer name, project name, and model.
2. Use pictures to illustrate the inner and outer boxes, the packaging method at the time of shipment, the number of layers, the number of items per layer, etc.
3. Fill in the names and quantities of the packaging materials used in the remarks column.



1: 200 PCS per bag.

2: The PE bags for packing are surrounded by foam for protection



3: Appearance of the Outer Packaging Box.



4: Affix labels and ship the whole box.

Product Part Number:	YL1523-2.4GHz-V1 IPEX-P4N-370
Product Name:	2. 4GHz
Version.	V1
Quantity per Single Bundle.	100pcs
Quantity per Single PE Bag.	200PCS
Quantity per Single Box.	2000PCS