



## Product Specification

P/N: 366N0431

REV.: X1

Date: 2024/04/02

Protocol: Xue

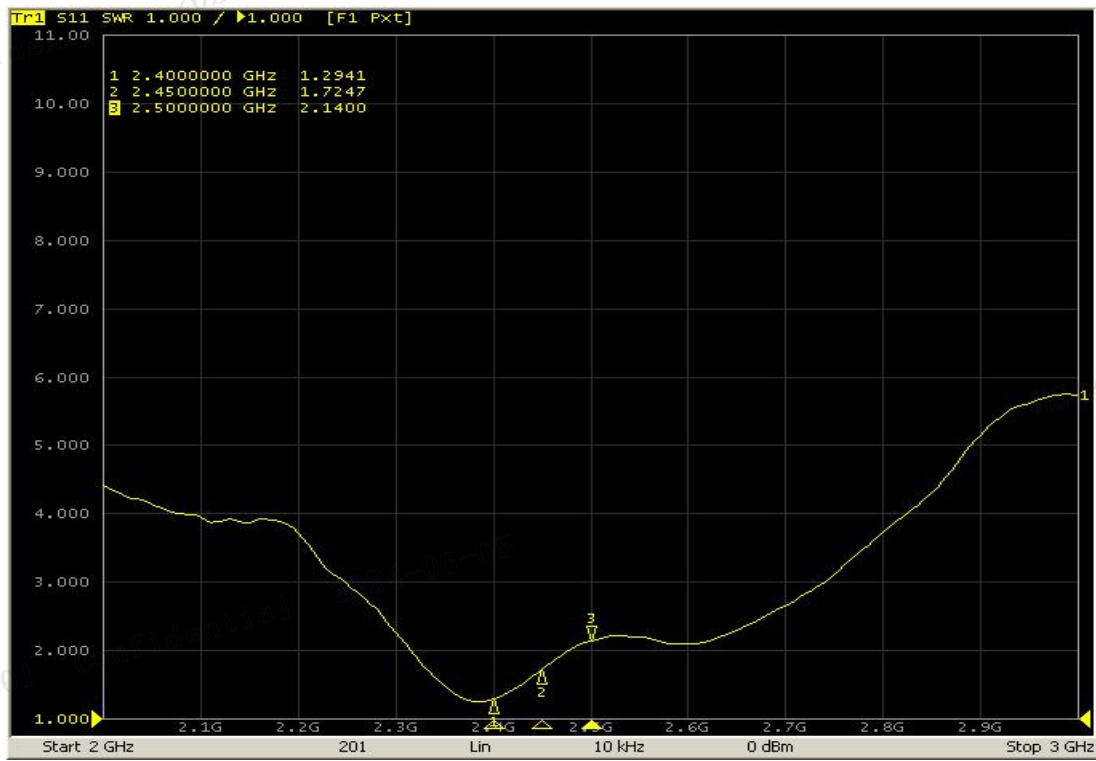
## Antenna Specification



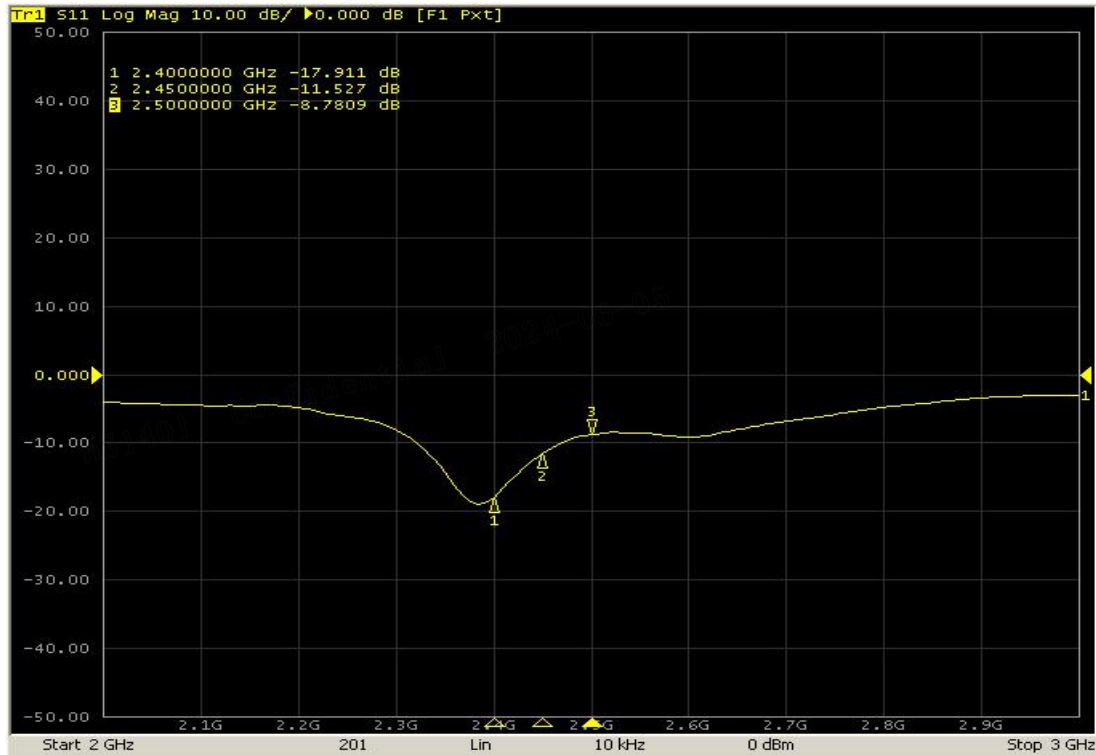
HS-五代 PRO-1#-钢片天线 To IPEX 一代 OD1.37mm 黑色低损线 L120mm

Item	Specification	Comment
Impedance	50Ω	
Test Condition	Passive test	
Freq. Range	2400-2500MHz	
Antenna Type	Steel Antenna	
Peak Gain	4.07dBi	
VSWR	2400-2500MHz ≤ 2.5	
Polarization Type	linear	
Radiation Type	Omnidirectional	
Connector Type	IPEX 一代	
RF Cable Type	RF1.37 黑色低损线	
Dimension	L120mm	
Operating Temp	-30°C ~ +75°C	
Storage Temp	-30°C ~ +75°C	

# 1.SWR/驻波图



原匹配

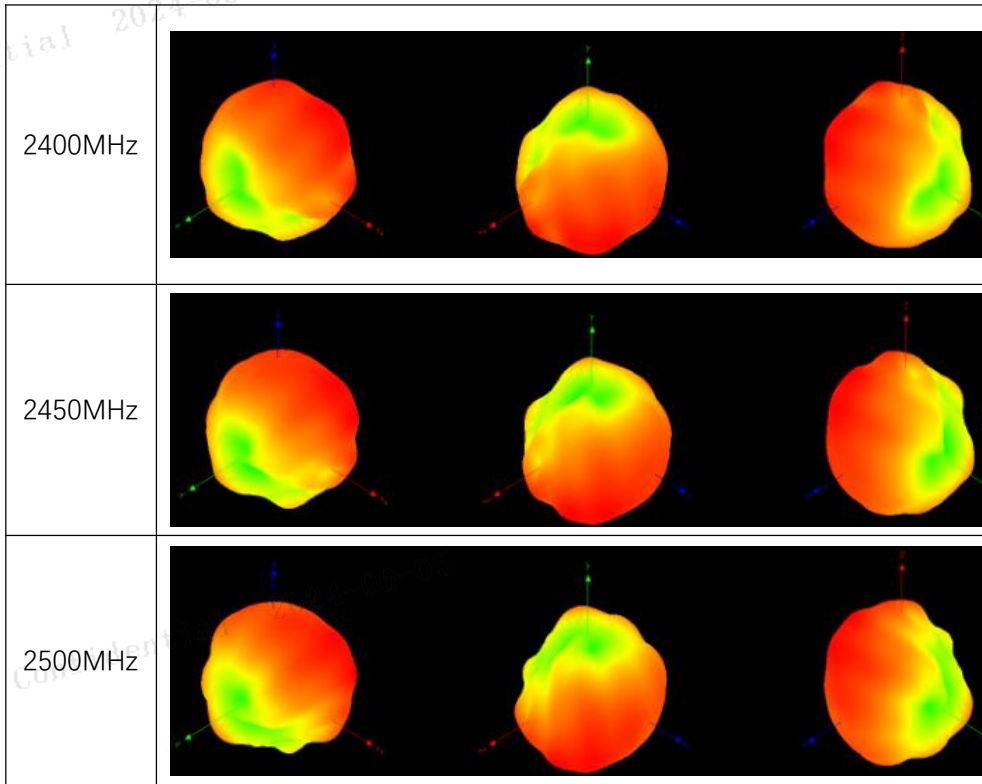


原匹配

## 2. Efficiency/ Gain Test 效率测试

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	53.94	3.65
2410	53.52	3.91
2420	54.37	4.07
2430	53.38	3.89
2440	51.28	3.65
2450	49.59	3.71
2460	47.70	3.69
2470	46.36	3.48
2480	44.82	3.30
2490	45.17	3.40
2500	43.55	2.85
<b>AVG</b>	49.43	3.60

### 3. Radiation Pattern 3D/辐射方向图 3D



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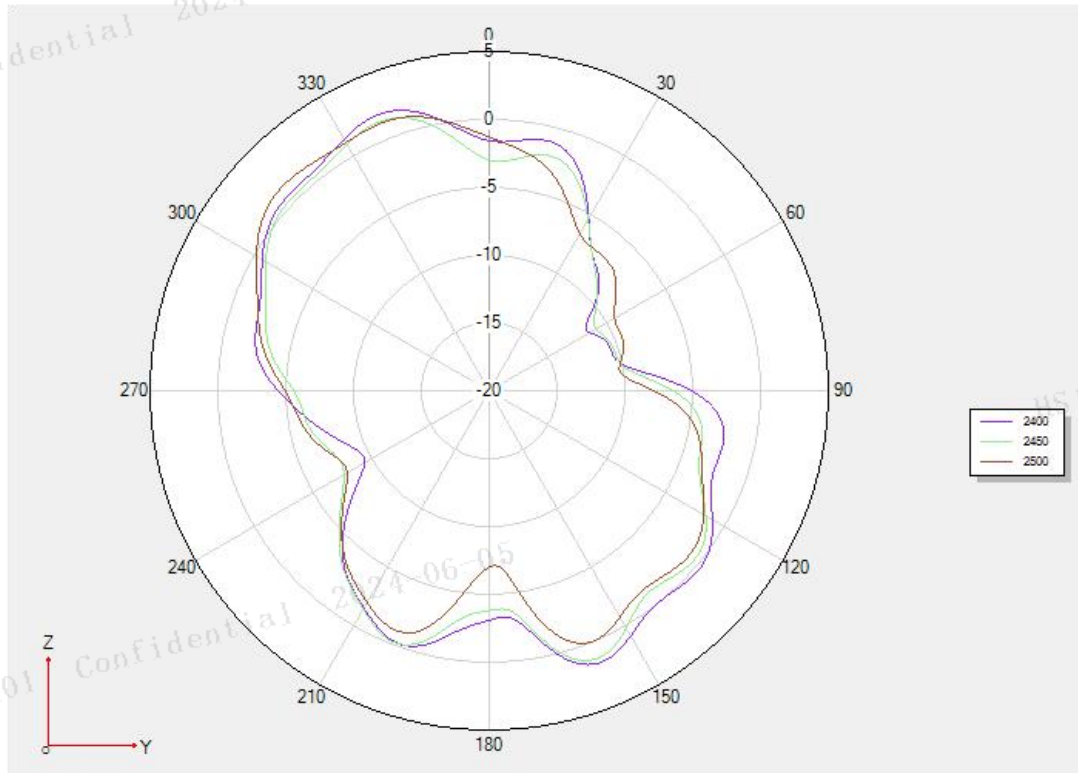
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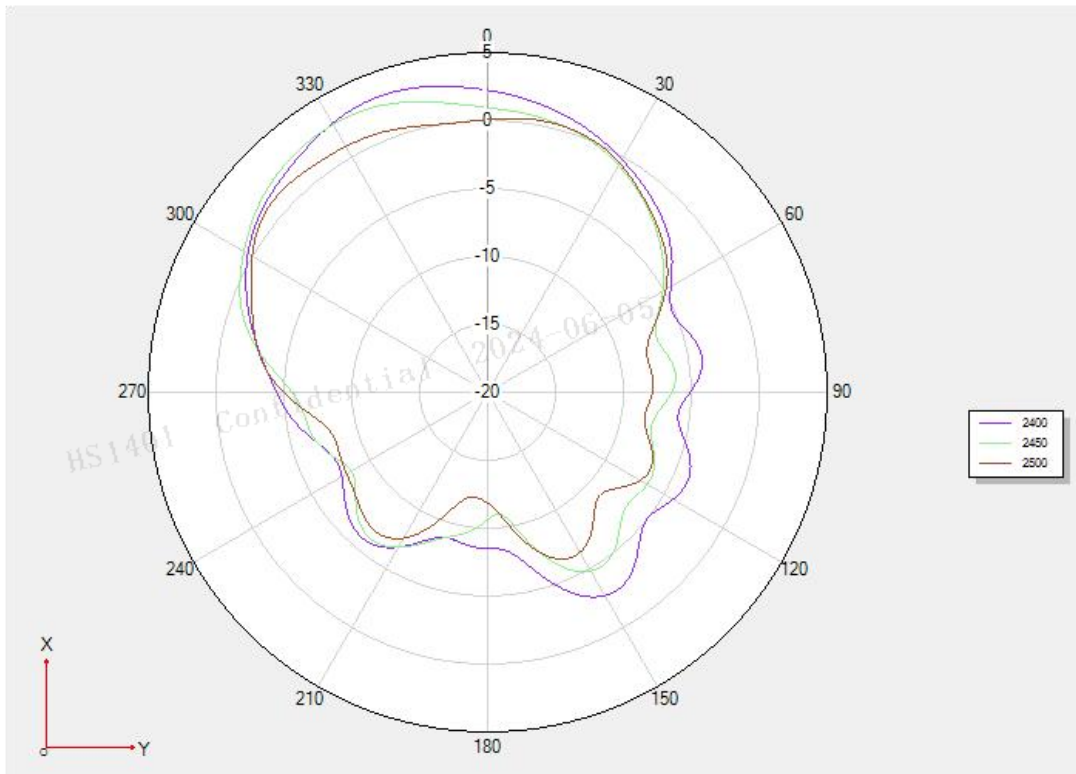
HS1401 Confidential 2024-06-05

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### 4. Radiation Pattern 3D/辐射方向图 3D

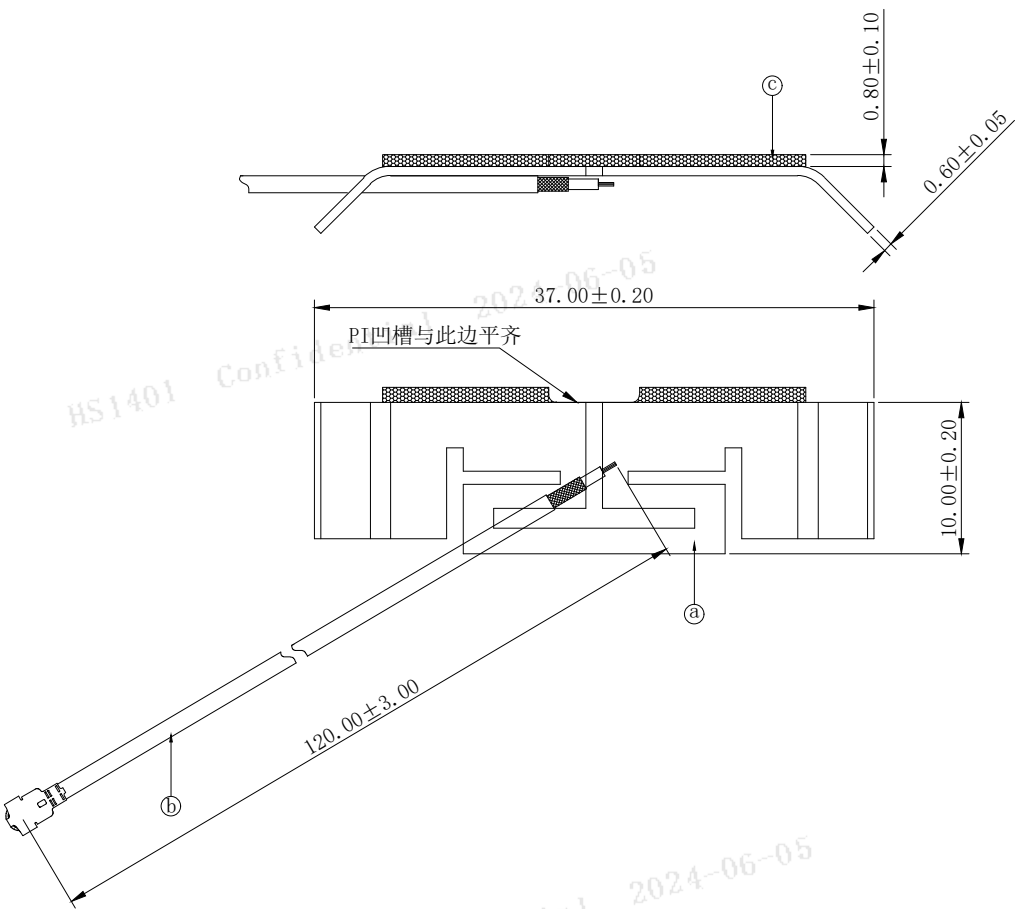


Phi 90



Theta 90

REV.	ECN NUMBER	DESCRIPTION	DATE
A	ECN	FIRST RELEASE	04/02' 24



技术要求:

1. 焊接不能虚焊、假焊，屏蔽层不能有烫伤。
2. 全检VSWR测试
3. 标有“▼”为重点检测尺寸。
4. 产品需符合本公司ROHS及相关可靠性等要求。

ITEM	PART NAME	Q'TY	PART #	MATERIAL / FINISH
c	FR4	1		黄色FR4, 单面带胶, L28*W9*H0.8mm
b	CABLE	1		IPEX 一代单头 OD1.37黑色低损线L120mm
a	五金天线	1		1/2H不锈钢预镀镍, L37*W10*T0.6mm



GENERAL TOLERANCE  
 . X ± 0.30 ± 1°  
 . XX ± 0.15  
 . XXX ± 0.15

SCALE: 1:1  
 UNIT: mm  
 SIZE: A4

DRAWN: Tom	DATE: 04/02' 24
CHECK:	DATE:
APPROVE:	DATE:
PROJECT NAME: HS-五代PRO-1#-钢片天线	
PART NO: 366N0431	
TITLE: HS-五代PRO-1#-钢片天线 To IPEX一代 OD1.37mm 黑色低损线 L120mm	REV. A
	SHEET: 1/1