



Product Specification

P/N: 366N

REV.: X1

Date: 2024/04/02

Protocol: Xue

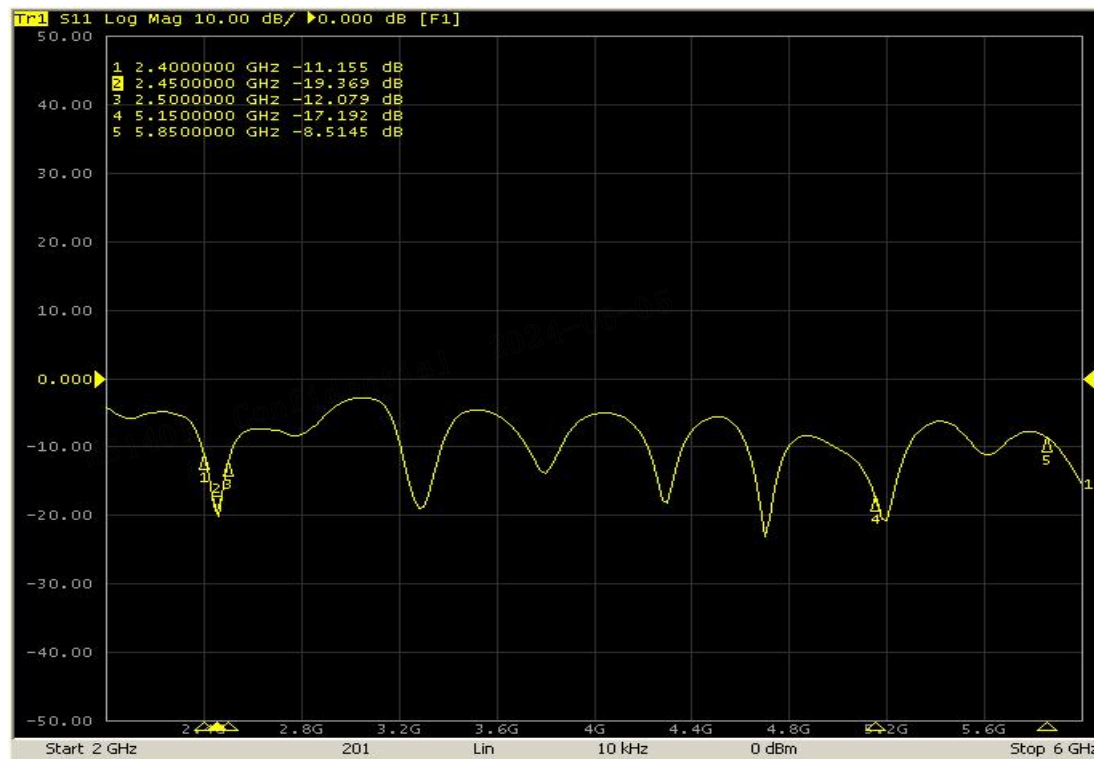
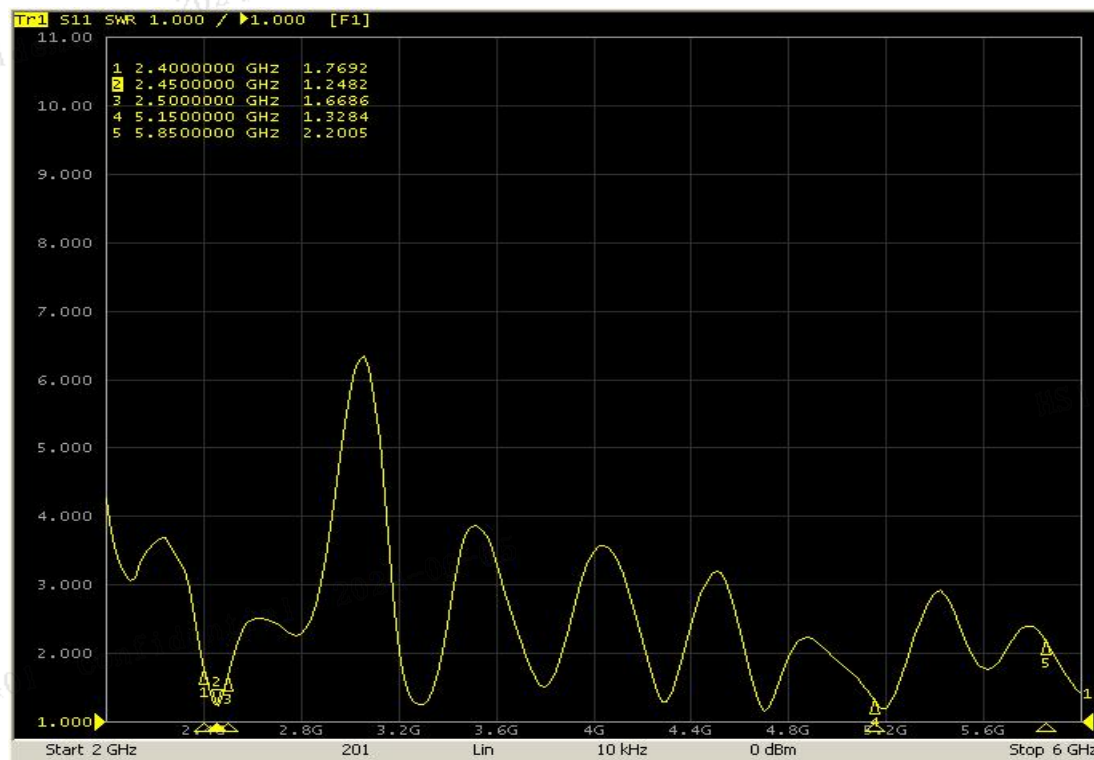
Antenna Specification



HS-五代 PRO-5#-双频 WIFI 天线 PCB 黑色 To IPEX 一代 OD1.37mm 黑色低损线 L180mm

Item	Specification	Comment
Impedance	50Ω	
Test Condition	Passive test	
Freq. Range	2400-2500MHz/5150-5850MHz	
Antenna Type	PCB	
Peak Gain	4.05dBi	
VSWR	2400-2500MHz≤2.0 5150-5850MHz≤3.5	
Polarization Type	linear	
Radiation Type	Omnidirectional	
Connector Type	IPEX 一代	
RF Cable Type	RF1.37 黑色低损线	
Dimension	L180mm	
Operating Temp	-30℃ ~ +75℃	
Storage Temp	-30℃ ~ +75℃	

1.SWR/驻波图

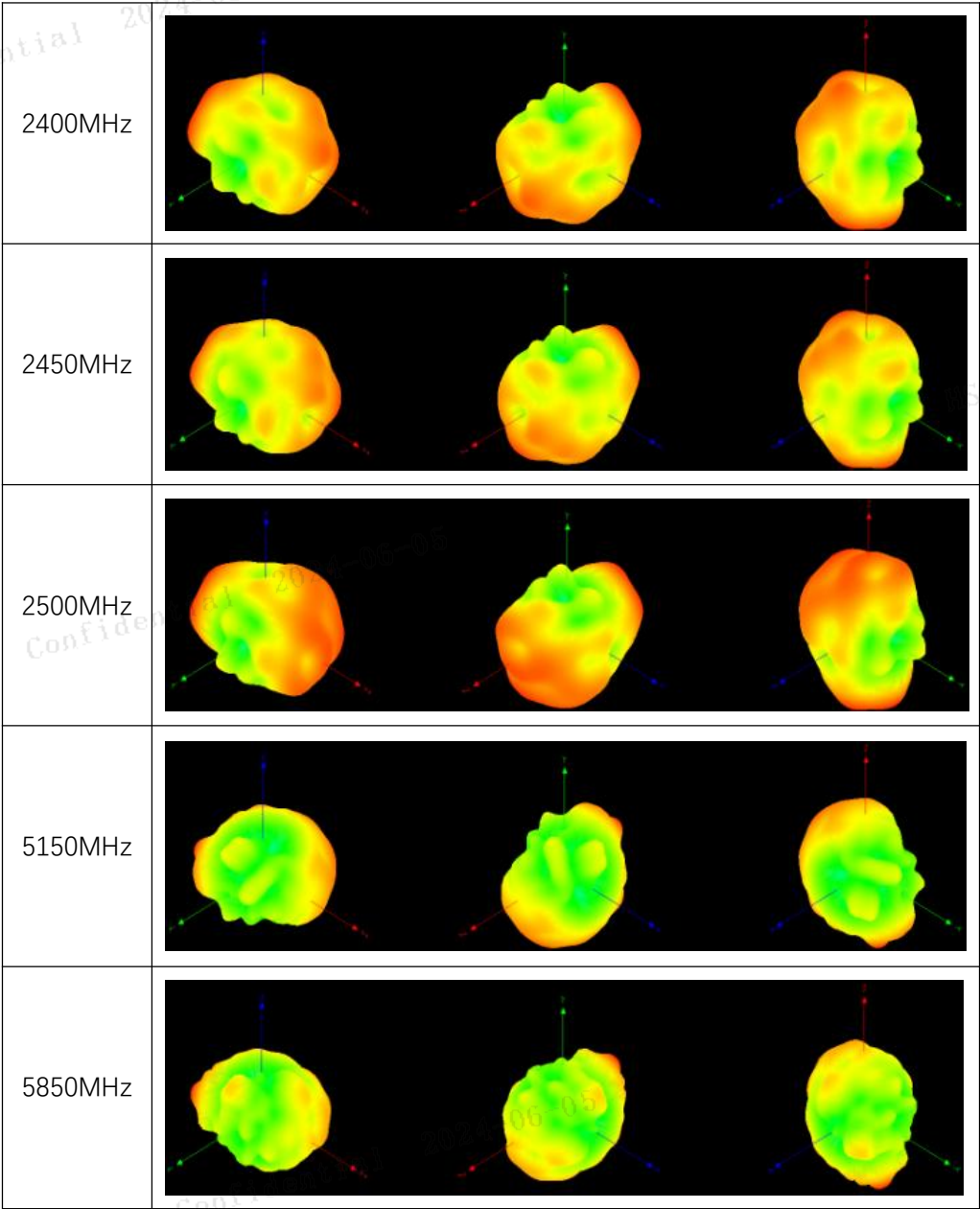


2. Efficiency/ Gain Test 效率测试

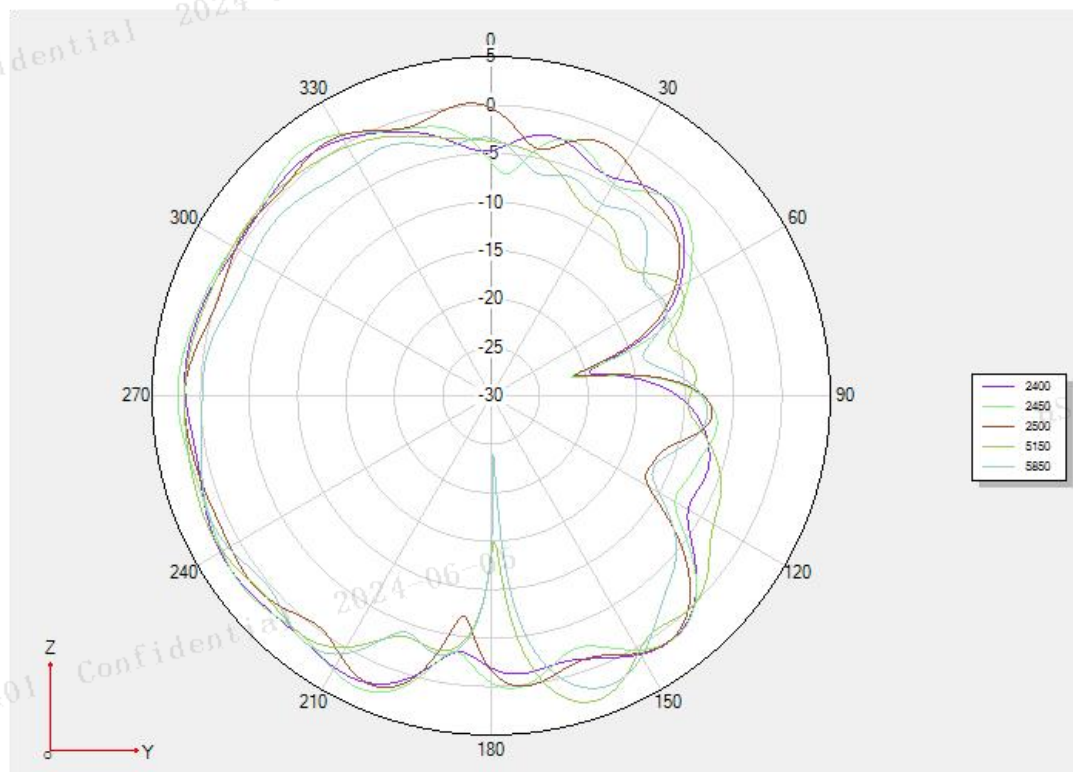
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	55.08	3.26
2410	57.02	3.55
2420	59.57	3.75
2430	60.95	4.05
2440	57.68	3.70
2450	57.28	3.71
2460	55.59	3.35
2470	54.20	3.20
2480	51.05	2.94
2490	49.43	2.84
2500	47.86	2.48
AVG	55.06	3.35

Frequency / MHz	Efficiency / %	Gain/ dBi
5150	55.72	3.52
5200	55.34	3.48
5250	51.88	2.93
5300	46.99	2.50
5350	43.25	2.69
5400	43.55	2.79
5450	42.46	2.46
5500	46.34	2.72
5550	50.82	3.13
5600	50.12	3.51
5650	52.24	3.60
5700	50.35	3.01
5750	47.64	2.80
5800	44.26	2.60
5850	43.95	2.70
AVG	48.33	2.96

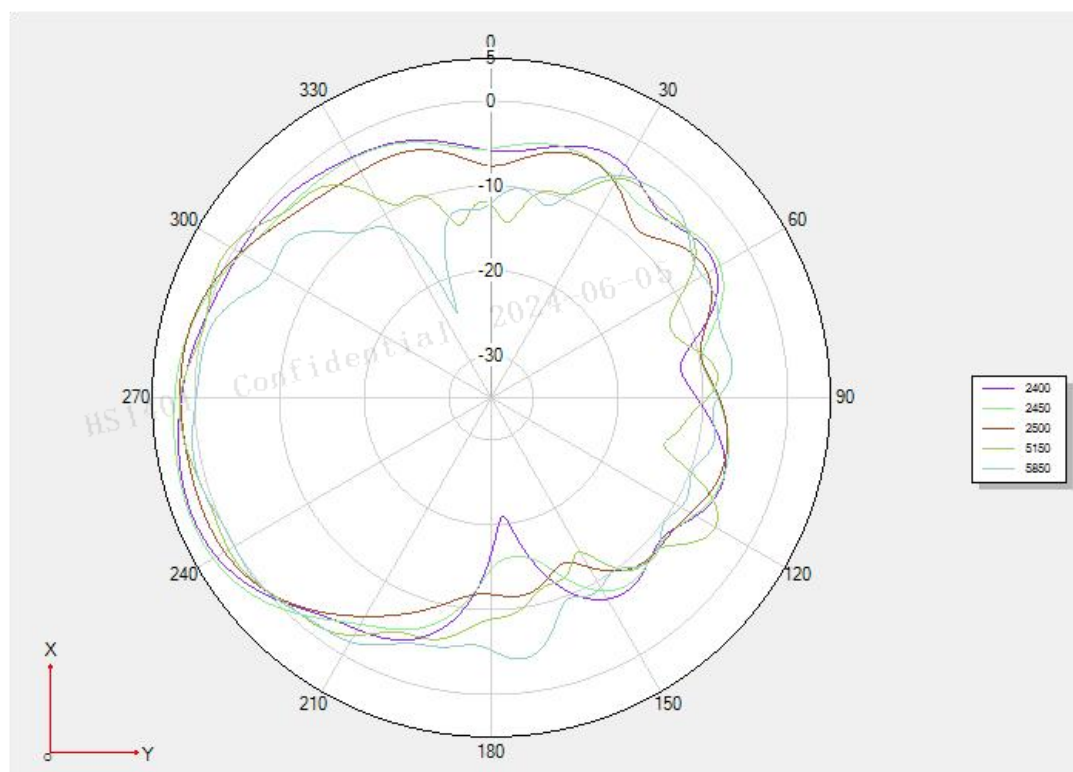
3.Radiation Pattern 3D/辐射方向图 3D



4. Radiation Pattern 2D/辐射方向图 2D



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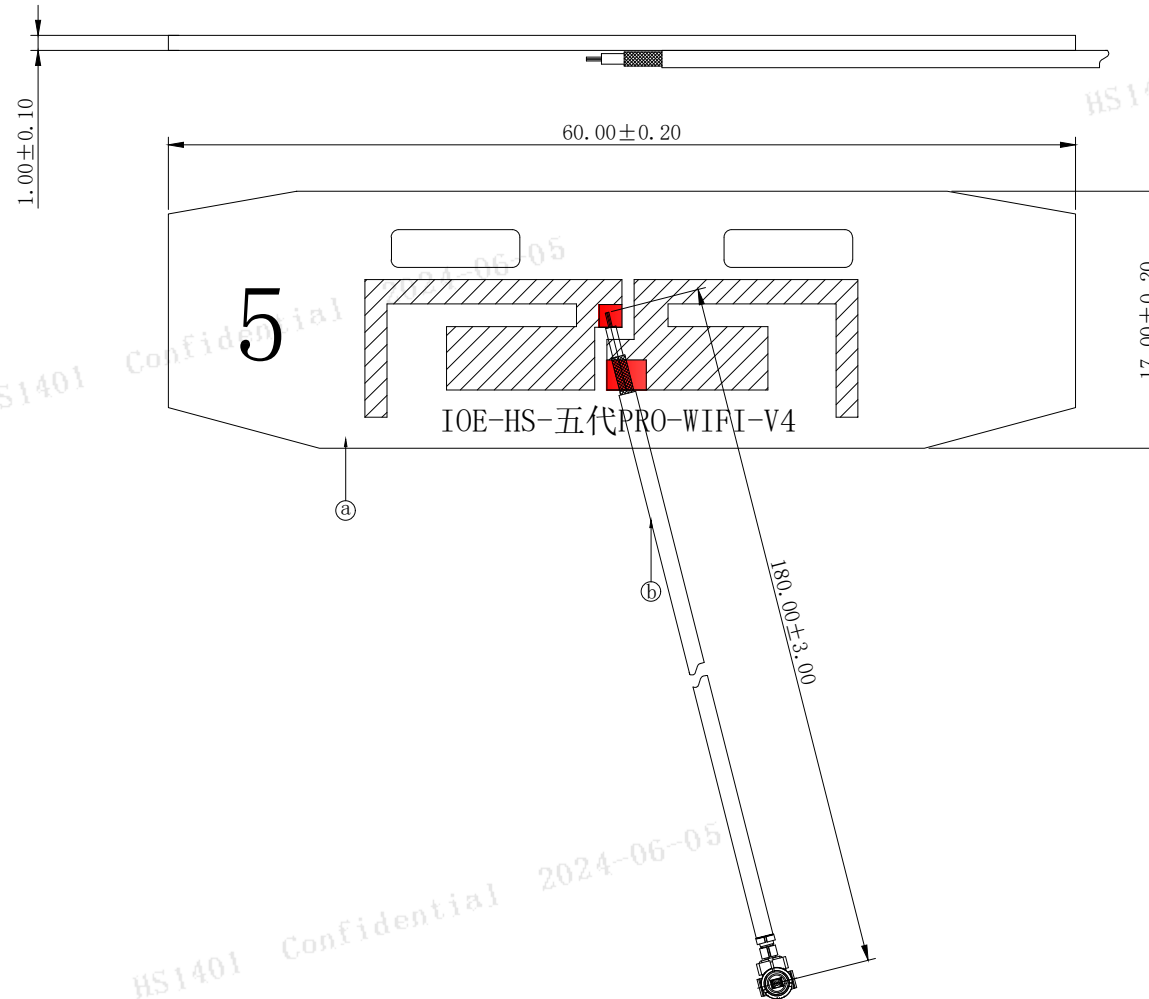


Theta90

深圳物连通信技术有限公司

Shen Zhen IOE Communication Technology Co., Ltd.

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。

b	CABLE	1		IPEX 一代单头 OD1.37黑色低损线L180mm
a	PCB	1		PCB L60*W17*T1.0mm，双面黑色
ITEM	PART NAME	Q' TY	PART #	MATERIAL / FINISH



GENERAL TOLERANCE
.X $\pm$ 0.30 $\pm$ 1°
.XX $\pm$ 0.15
.XXX $\pm$ 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-5#-双频WIFI天线	
PART NO: 366N0435	
TITLE:	REV. A
HS-五代PRO-5#-双频WIFI天线 PCB 黑色To	SHEET: 1/1
IPEX一代 OD1.37mm 黑色低损线 L180mm	