



Product Specification

Manufacturer: Shen Zhen IOE Communication Technology Co., Ltd.

Address: 3rd Floor, Building 3, Fifth Industrial Zone, Tianliao Community, Guangming District, Shenzhen, Guangdong Province, China

P/N: 366N0567

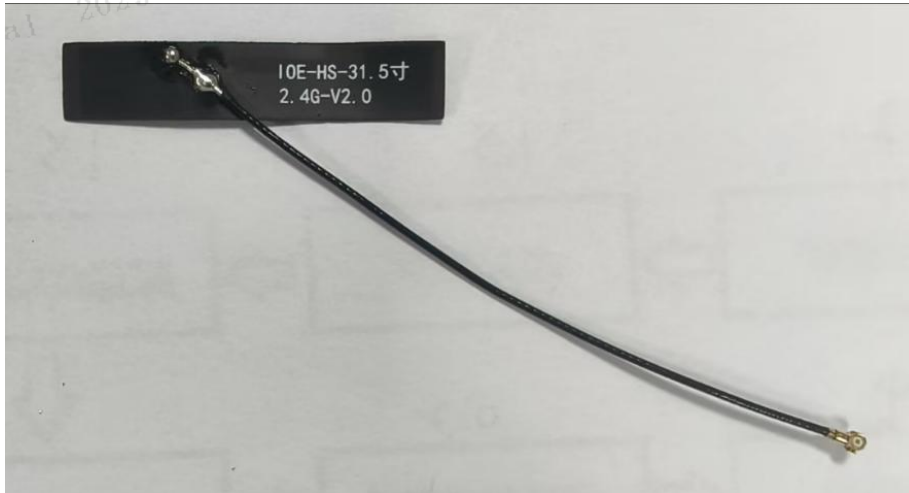
REV.: X2

Date: 2025/07/08

Protocol: Li

深圳物连通信技术有限公司
Shen Zhen IOE Communication Technology Co., Ltd.

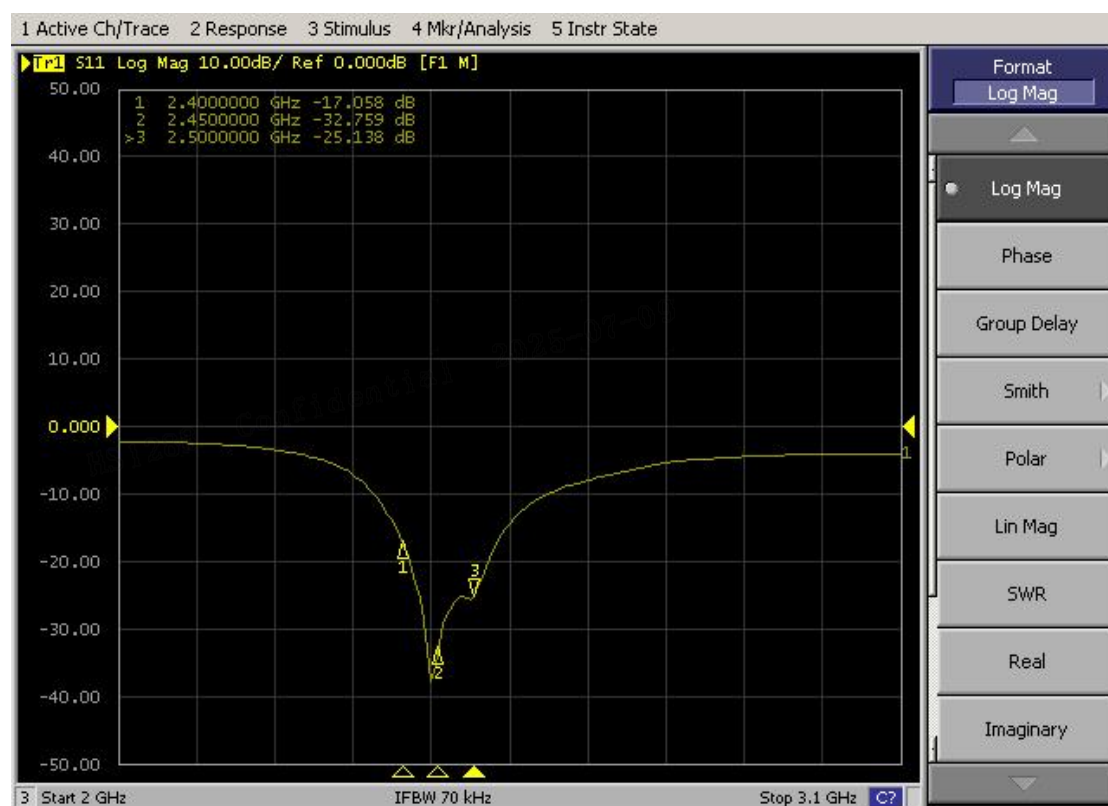
Antenna Specification



HS-31.5 寸-2.4G 天线 FPC 黑色 TO IPEX 三代 Cable OD0.81mm 黑色 L80mm

Item	Specification	Comment
Impedance	50Ω	
Test Condition	Passive test	
Freq. Range	2400-2500MHz	
VSWR	≤2.0	
Gain	2.33 dBi	
Connector Type	IPEX 三代	
RF Cable Type	0.81	
Dimension	L80mm	
Operating Temp	-30℃ ~ +75℃	
Storage Temp	-30℃ ~ +75℃	

1.SWR 驻波图

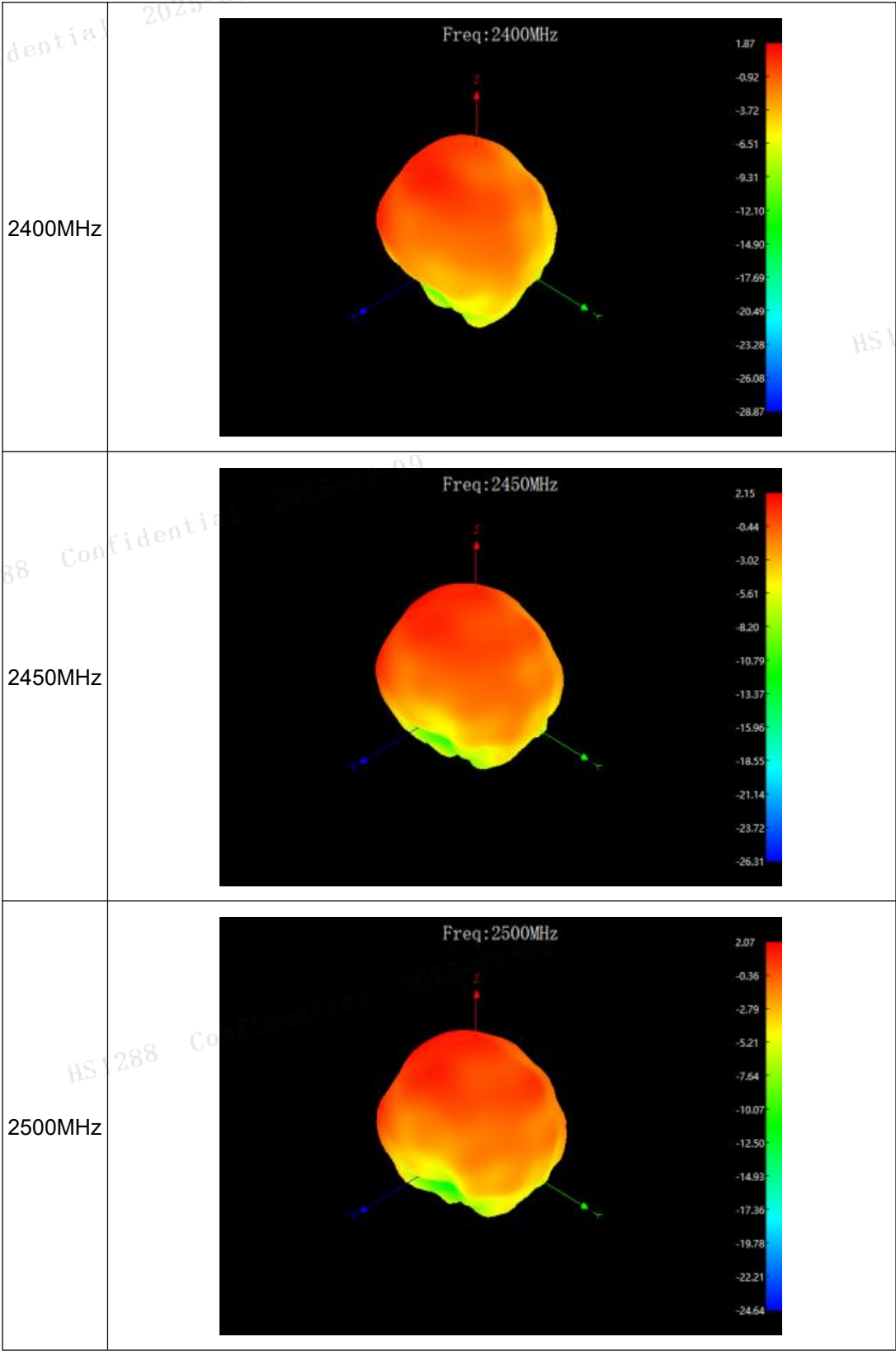


深圳物连通信技术有限公司
Shen Zhen IOE Communication Technology Co., Ltd.

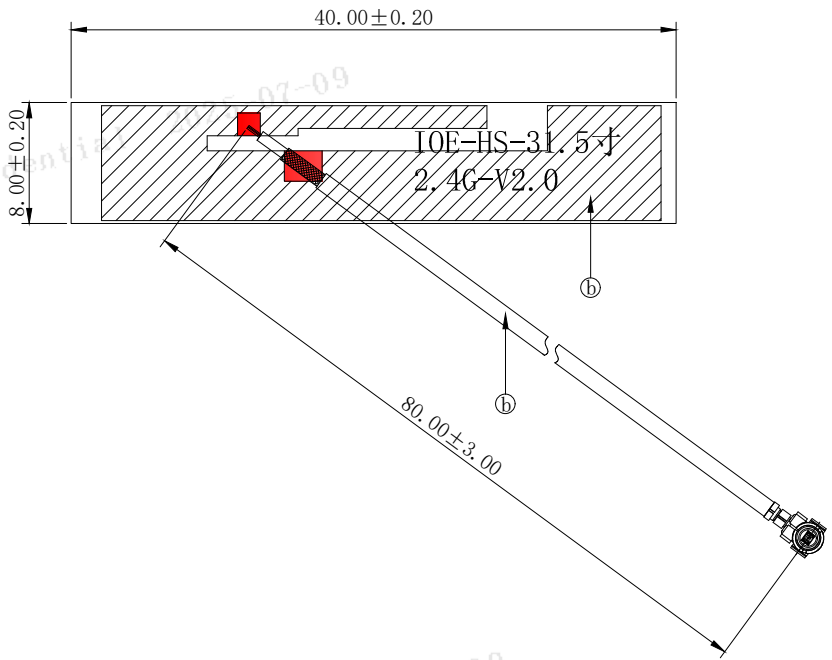
2. Efficiency&Gain 效率&增益

Freq (MHz)	Efficiency / %	MaxGain/dBi
2400	48.31	1.87
2410	47.75	1.72
2420	52.12	2
2430	53.46	1.89
2440	55.08	1.98
2450	58.34	2.15
2460	53.95	1.86
2470	57.68	2.33
2480	55.46	2.05
2490	55.98	2.14
2500	54.7	2.07
AVG	53.89	2.01

3.3D 方向图



REV.	ECN NUMBER	DESCRIPTION	DATE
A	ECN	FIRST RELEASE	06/10' 25



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
b	CABLE	1		IPEX 三代单头剥线沾锡 0.81mm 黑色L80mm
a	FPC	1		3M9471 1/20Z 黑色 L40*W8mm



GENERAL TOLERANCE	SCALE: 1:1
.X± 0.30 ± 1°	UNIT: mm
.XX± 0.15	SIZE: A4
.XXX± 0.15	

DRAWN: Tom	DATE: 06/10' 25
CHECK:	DATE:
APPROVE:	DATE:
PROJECT NAME: HS-31.5寸-2.4G天线	
PART NO: 366N0567	
TITLE: HS-31.5寸-2.4G天线 FPC 黑色TO IPEX 三代 Cable OD0.81mm 黑色 L80mm	REV. A
	SHEET: 1/1