



Product Specification

P/N: 366N0543

REV.: X1

Date: 2025/03/03

Protocol: Xue

深圳物连通信技术有限公司

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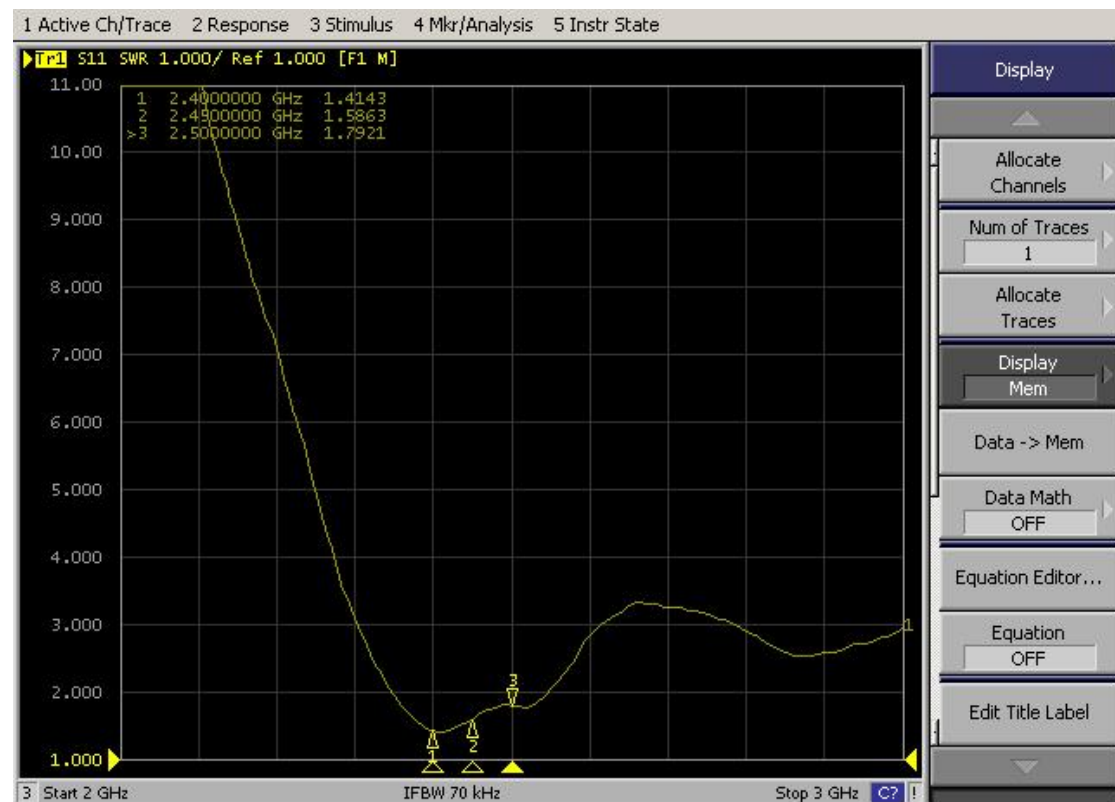
Antenna Specification



JS-X83E-2.4G 天线 FPC 黑色 To IPEX 一代 Cable OD1.13mm 黑色 L65mm

Item	Specification	Comment
Impedance	50Ω	
Test Condition	Passive test	
Freq. Range	2400-2500MHz	
Antenna Type	FPC Antenna	
Peak Gain	2.68dBi	
VSWR	2400-2500MHz $\leq$ 2.0	
Polarization Type	Vertical	
Radiation Type	Omnidirectional	
Connector Type	IpeX 一代	
RF Cable Type	RF1.13mm	
Dimension	L65mm	
Operating Temp	-30℃ ~ +75℃	
Storage Temp	-30℃ ~ +75℃	

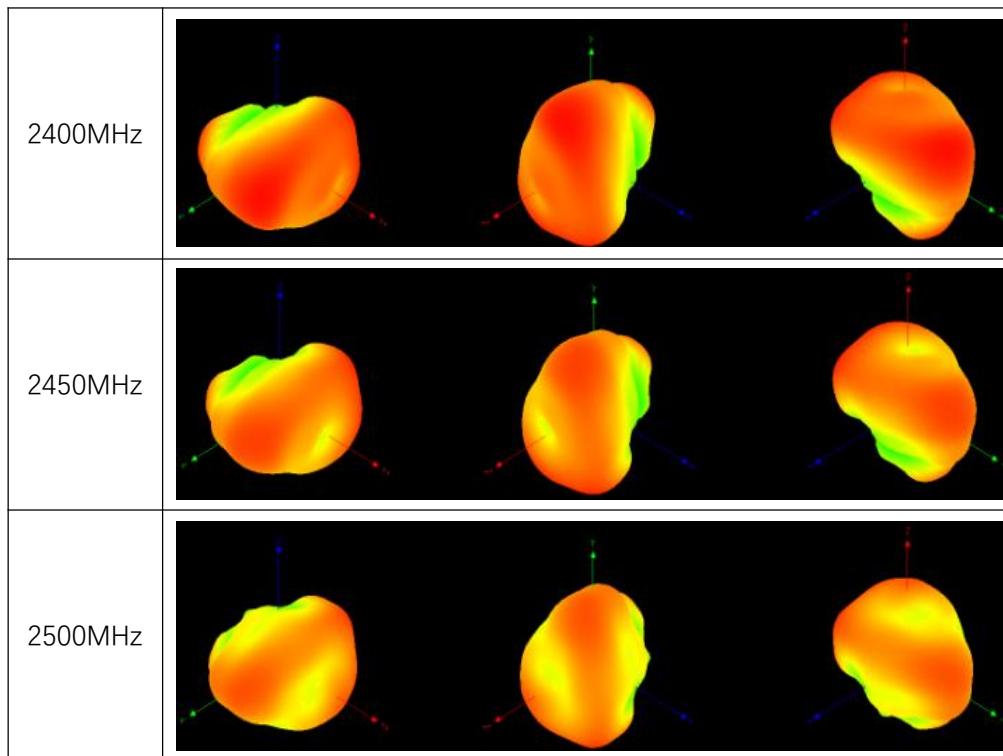
1.SWR/驻波图



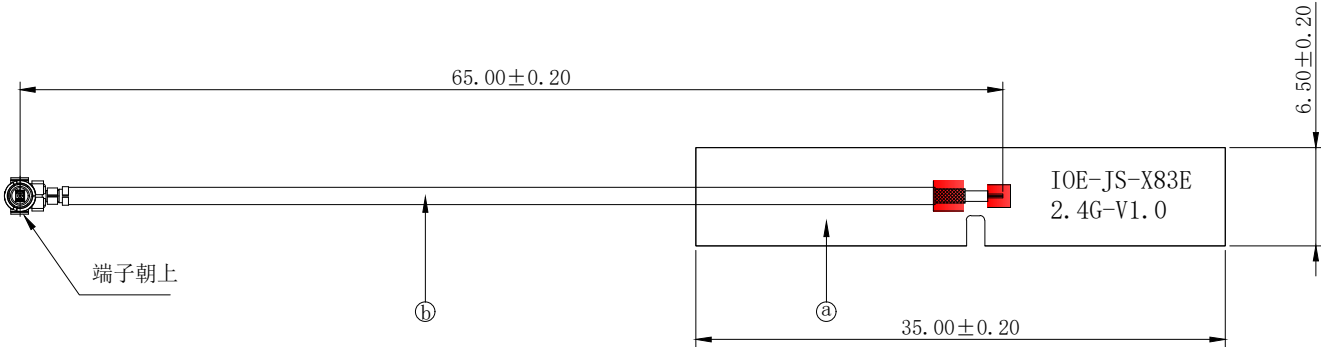
2. Efficiency/ Gain Test 效率测试

Frequency / MHz	Efficiency / %	Gain / dBi
2400	60.63	2.61
2410	60.47	2.68
2420	57.45	2.49
2430	57.76	2.57
2440	57.30	2.62
2450	57.14	2.63
2460	55.68	2.61
2470	53.39	2.46
2480	52.38	2.64
2490	51.08	2.49
2500	50.81	2.42
AVG	55.83	2.57

3. Radiation Pattern/辐射方向图



REV.	ECN NUMBER	DESCRIPTION	DATE
A	ECN*****	FIRST RELEASE	03/03' 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。

b	CABLE	1		IPEX I单头剥线沾锡 OD1.13mm 黑色L65mm
a	FPC	1		3M9471 1/20Z 黑色 L35*W6.5mm
ITEM	PART NAME	Q' TY	PART #	MATERIAL / FINISH



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

SCALE: 1:1
UNIT: mm
SIZE: A4



DRAWN: Tom	DATE: 03/03' 25
CHECK:	DATE:
APPROVE:	DATE:
PROJECT NAME: JS-X83E-2.4G天线	
PART NO: 366N0543	
TITLE: JS-X83E-2.4G天线 FPC 黑色To IPEX 一代 Cable OD1.13mm 黑色L65mm	
REV. A	SHEET: 1/1