承 认 书

SPECIFICATION FOR APPROVAL

客户名称（CUSTOMER NAME): 奥尼电子

客户料号 (CUSTOMER NAME): ___

产品名称 (PART NO.) ： S2B4BC3F1B04006

送样日期 (SEND DATE.) ： _____

新品承认（Newly Approved）:_____

环保要求:

RoHS: ☐ 不要求 ■符合 ROHS ☐ 其他：_____

REACH: ☐ 不要求 ■符合 REACH ☐ 其他：_____

卤素限制: ☐ 不要求 ☐ 其他：_____

出厂签章:

RD/研发部	ED/工程部	QA/品质部	SD/销售部	APPROVED/批准

承认签章:

RD/研发部	ED/工程部	QA/品质部	SD/销售部	APPROVED/批准

注：此承认书一式三份按照左至右顺序签署。

敬请确认此承认书所有项目，并签名和盖章后回签一份给我司。以作我司产品制作和存档之用，多谢合作 。

Scale :	**Unit：mm**	**Tolerances (Unless otherwise specified)** **X ： ± 1 X.X ： ± 0.1 X.XX ： ± 0.01**	深圳市福伯特电子有限公司 Shenzhen Fbetter Electronic Co.,Ltd ADD: Introduction Building 6F, Xinan Street 71, Baoan District,Shenzhen, Guangdong, China
Drawn By : Chris	**Checked By : Nick**		
Designed By :Cary	**Approved By :Hank**		

WIFI FPCB Antenna (B238HX)

1. Explanation of Product Number

S	2	B	4	B	C	3	F	1	B	0	4	0	0	6
		(1)			(2)		(3)	(4)		(5)				

Product Description:

(1) Product Categories:

B4: 2.4G Antenna

（2）Antenna type：

FPC

(3) Dimensions:

C3：16.03*11.19*0.22

(4) Material:

F:

(5 Working Frequencies:

1B: 2.4G-2.5G

(6) Antenna Series:

01: Serial number

(7) RF Cable Loss / 引出射频线的线损 0.5(dB)

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2. Features

*Stable and reliable in performances
*RoHS compliance
*Low cost

3. Applications

*2.4G

4. Description

* Unictron's FPCB antenna series are specially designed for 2.4G-2.5G band application. Based on Unictron's proprietary designs and processes, this FPCB antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Antenna Electrical Specifications :

Characteristics	Specifications	Unit
Outline Dimensions	16x12X0.23(mm）	mm
Frequency	2400~2500	MHz
Impedance	50	Ω
Polarization	Linear Polarization	

Return Loss Table	Return Loss		
Freq.Band	2.4G Hz	2.45G Hz	2.5G Hz
dB	-16.98	-29.81	-17.34

VSWR Table	VSWR		
Freq.Band	2.4G Hz	2.45G Hz	2.5G Hz
	1.32	1.08	1.29

GAIN Table	Total Gain = Xpol + Ppol			
Freq.Band	2400MHz	2450MHz	2485MHz	2500MHz
Peak Gain(dBi)	-2.24	-1.88	-2.38	

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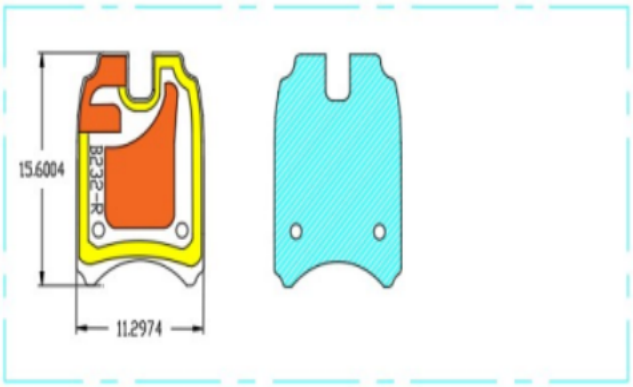
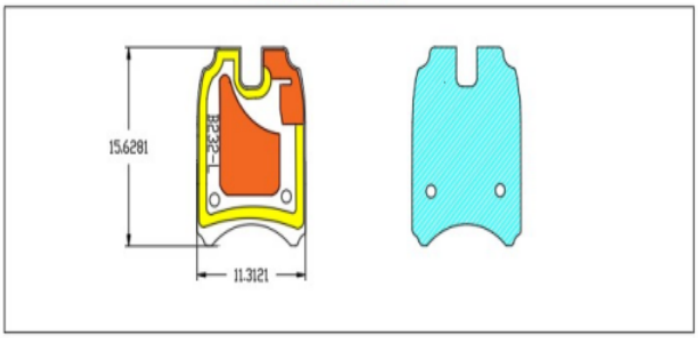
. Dimensions (unit: mm)

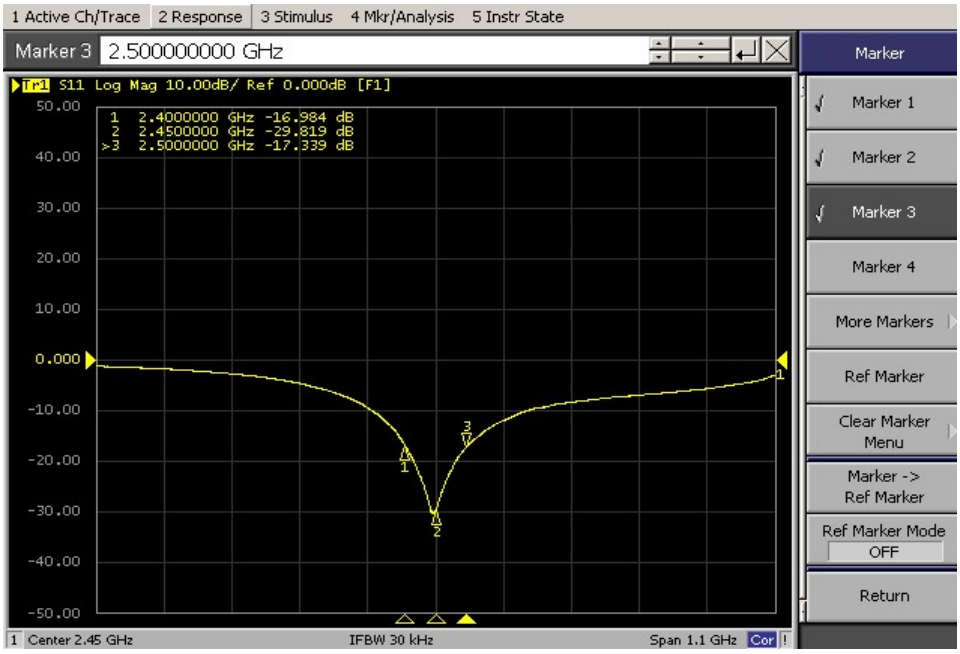




Unit:mm
未标示公差:±0.2

7. Measurement Characteristics:

(1) Return Loss



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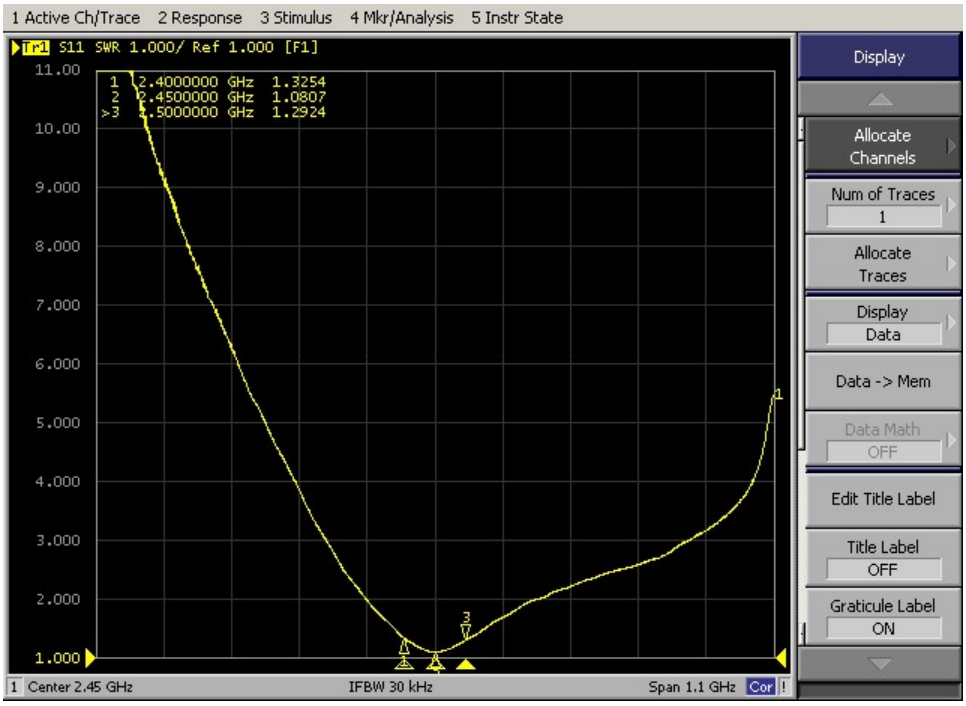
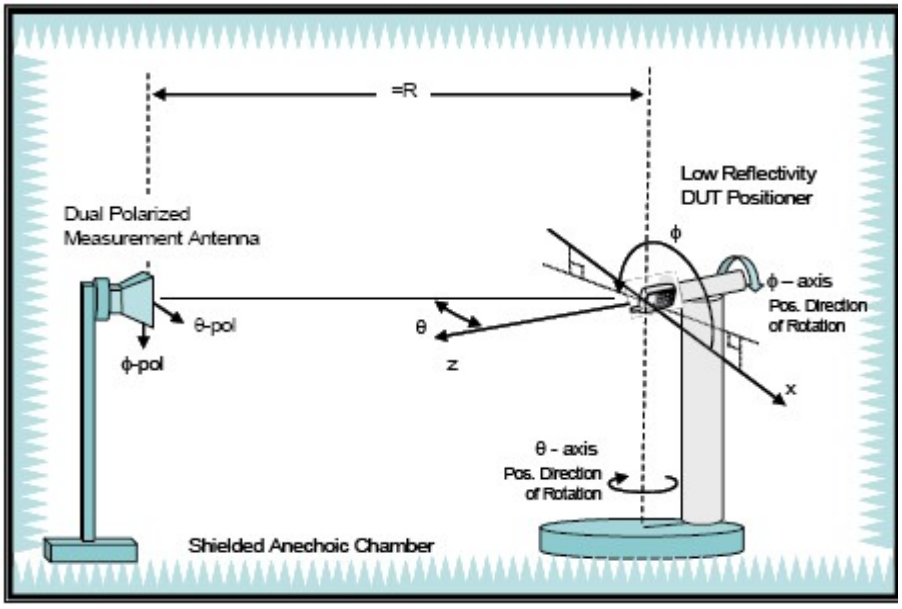
(2) VSWR



8. Three D Radiation Pattern measurement



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9.Radiation Pattern

Gain complete machine (Radiation Pattern at 2450 MHz)

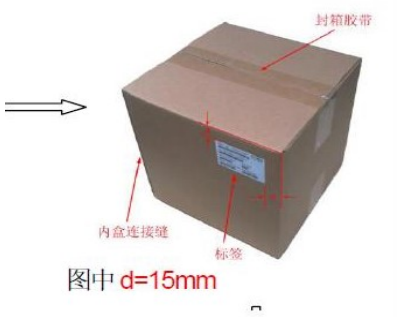
Frequency(MHz)	2400	2420	2450	2460	2480	2500
Efficiency (dB)	-2.22	-1.71	-2.09	-2.13	-2.24	-2.07
Efficiency (%)	27.9	29.3	32	29	28.7	26
Gain (dBi) Left	-2.24	-2.15	-1.88	-2.13	-2.32	-2.40
Gain (dBi) Right	-2.39	-2.26	-1.97	-2.33	-2.75	-2.91

10.Revision Control:

Revision	Date	Content	Remark
A	30.12.2021	New Issued.	N/A

包装图（填写说明：所插入的图片须清晰可见）

1.包装照片（图片）：

1、单个物料照片或者图片	
3、外包装的照片或者图片	
	

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