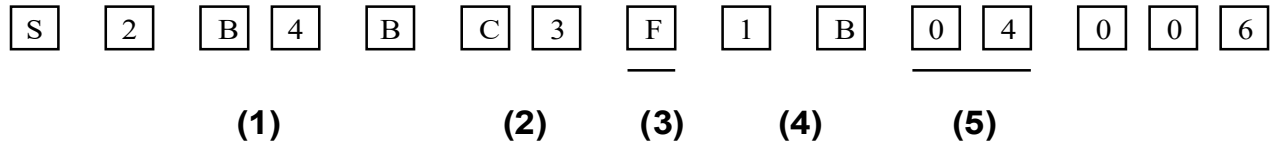


WIFI FPCB Antenna (B238HX)

1. Explanation of Product Number



Product Description:

- (1) Product Categories:
B4: WIFI 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)

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		

2. Features

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

3. Applications

- *WIFI IEEE802.11

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	

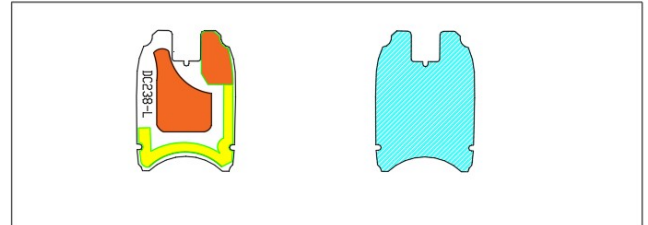
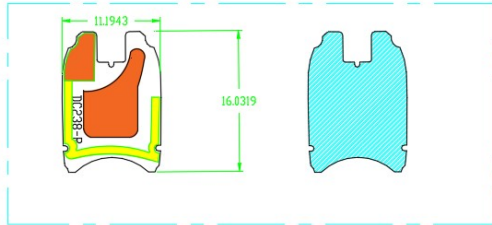
Scale :	Unit : mm	Tolerances (Unless otherwise specified) X : \pm 1 X.X : \pm 0.1 X.XX : \pm 0.01	深圳市福伯特电子有限公司 Shenzhen Fbetter Electronic Co.,Ltd ADD: Introduction Building 6F, Xinan Street 71, Baoan District, Shenzhen, Guangdong, China
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. Dimensions (unit: mm)

B238HX

右天线&触摸片

左天线&触摸片

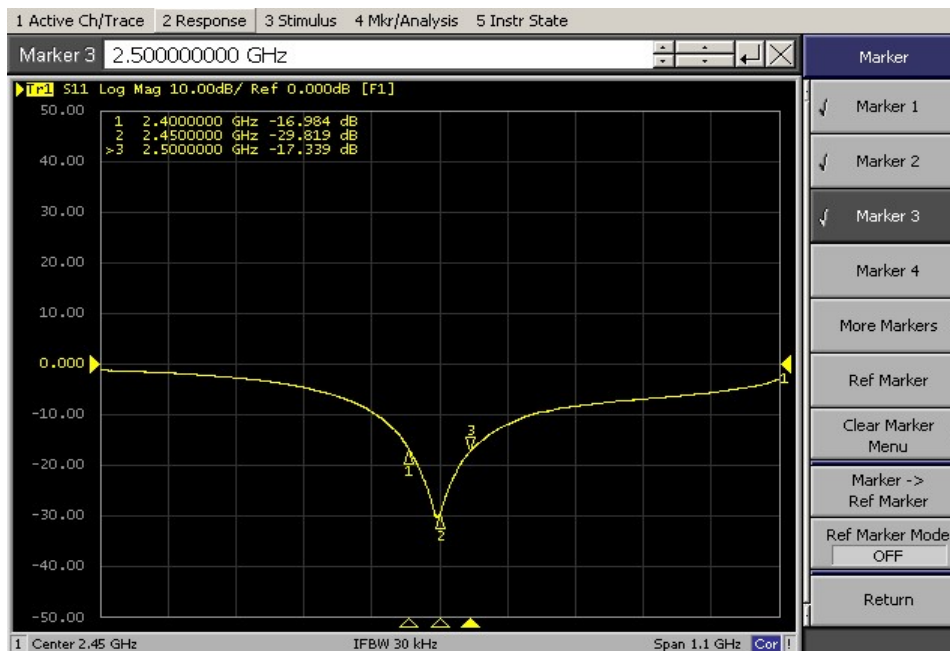


Unit:mm

未标示公差:±0.2

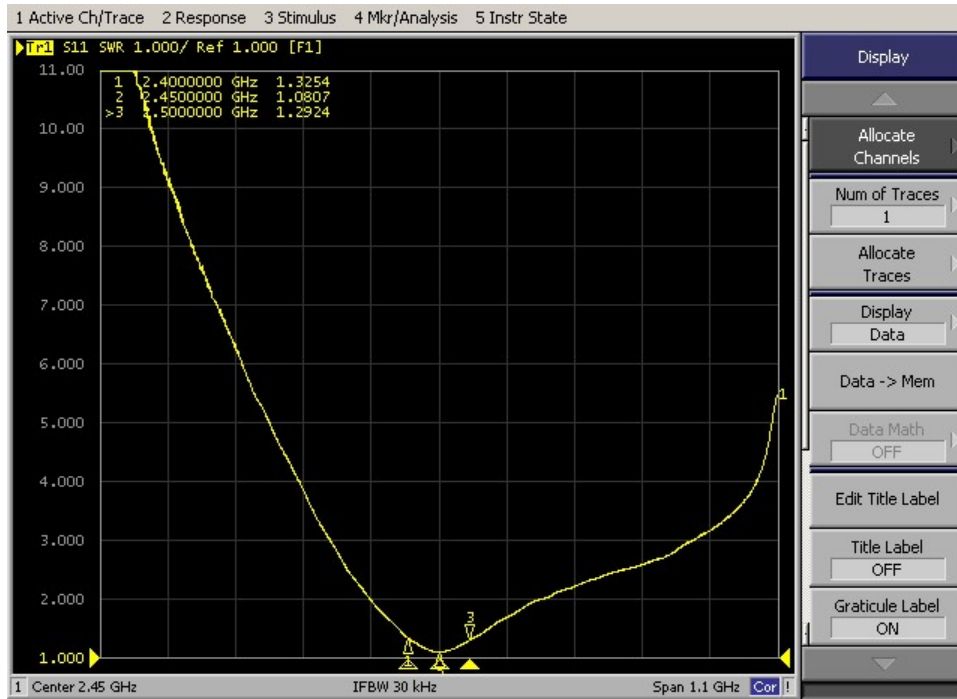
7. Measurement Characteristics:

(1) Return Loss

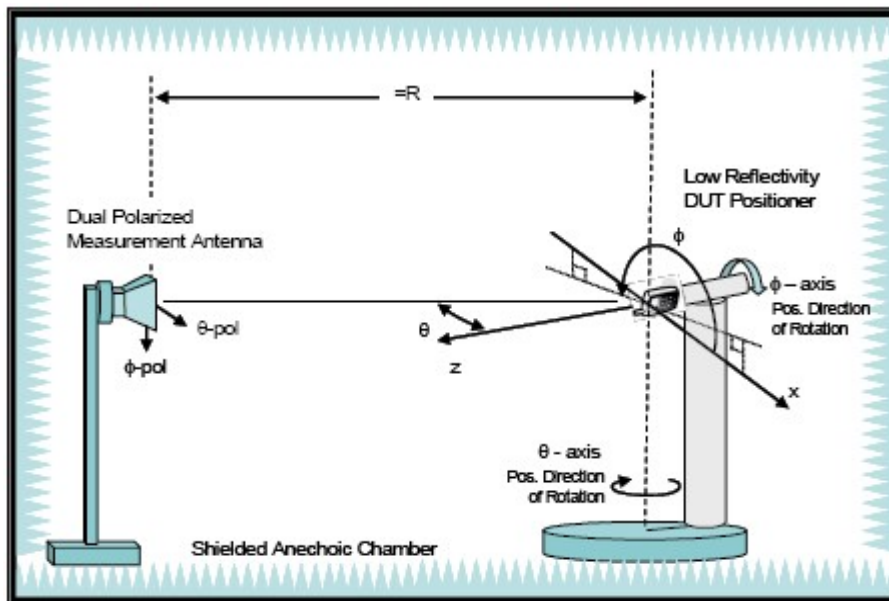


Scale :	Unit : mm	Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 0.1 X.XX : ± 0.01	深圳市福伯特电子有限公司 Shenzhen Fbetter Electronic Co.,Ltd ADD: Introduction Building 6F, Xinan Street 71, Baoan District, Shenzhen, Guangdong, China
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(2) VSWR



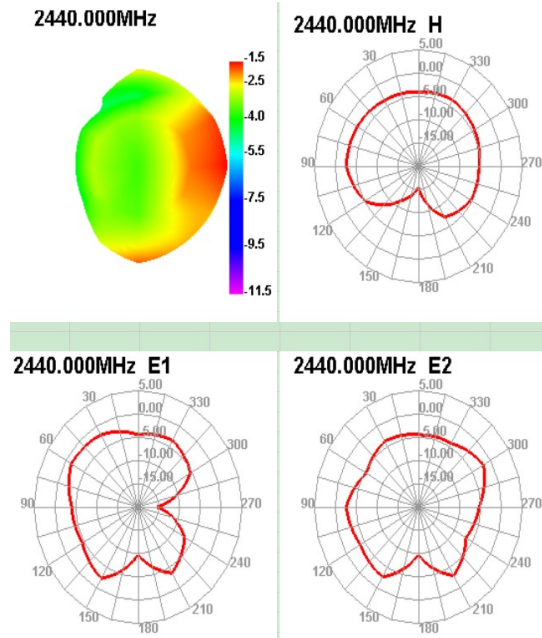
8. Three D Radiation Pattern measurement



Scale :	Unit : mm	Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 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		

9.Radiation Pattern

9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



9-2.2D 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)	-2.24	-2.15	-1.88	-2.13	-2.32	-2.40


10.Revision Control:

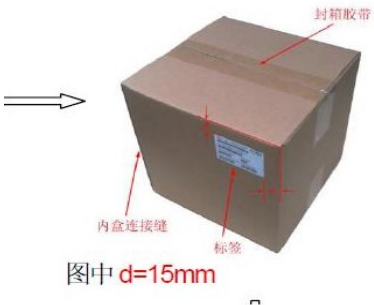
Revision	Date	Content	Remark
A	30.12.2021	New Issued.	N/A

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
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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	
 <p>图中 d=15mm</p>	

Scale :	Unit : mm	Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 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
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