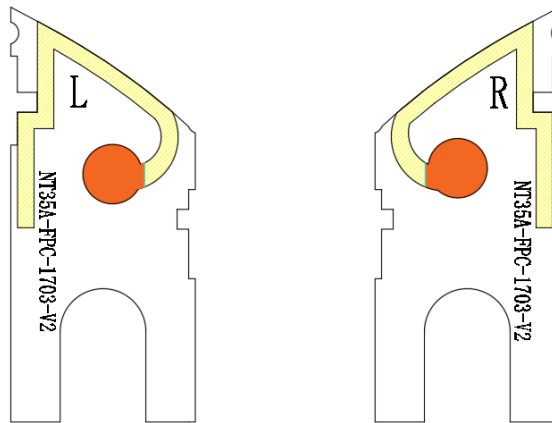
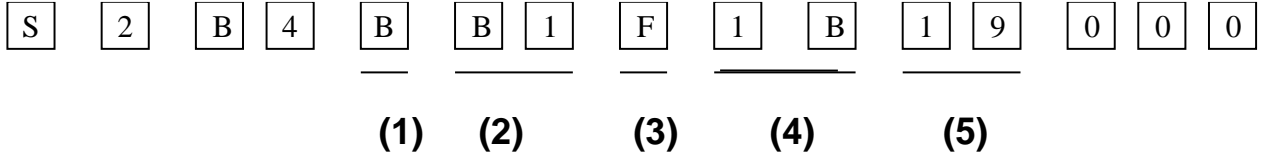



BT FPC Antenna (NT35A-L/R)

1. Explanation of Product Number



Product Description:

- (1) Product Categories:
B:BT Antenna
- (2) Dimensions:
B1:25.17*12.8*0.12 (mm)
- (3) Material:
F: FPC
- (4) Working Frequencies:
1B: 2.4G-2.5G
- (5) Antenna Series:
01: Serial number

Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01		 深圳市迎丰天线技术有限公司 深圳南山区桃源街道平山社区丽山路2号平山村185号501 Room 501, No. 185, Pingshan Village, Lishan Road, Pingshan Community, Taoyuan Street, Nanshan District, Shenzhen		
Angle : ± Hole Dia. : ±				
Scale : Unit : mm		SHEN ZHEN YINGFENG ANTENNA TECHNOLOGYCO.,LTD THIS SPECIFICATION IS THE PROPERTY OF UNICTRON TECHNOLOGIES CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL CIRCUMSTANCES WITHOUT WRITTEN PERMISSION		
Drawn By : Shelley	Checked By : Simon			
Designed By :Simon	Approved By :Frank			
TITLE : BT FPC Antenna(NT35A-L/R)		PART NO.	S2B4BB1F1B19000	REV. A

2. Features

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

3. Applications

- *BT

4. Description

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

5. Antenna Electrical Specifications :

Characteristics	Specifications			Unit
Outline Dimensions	25.17*11.2 *0.12			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)	1.02	1.15	1.24	1.23

Tolerances (Unless otherwise specified)

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Angle : \pm

Hole Dia. : \pm



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SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY CO., LTD

Scale :

Unit : mm

Drawn By : Shelley

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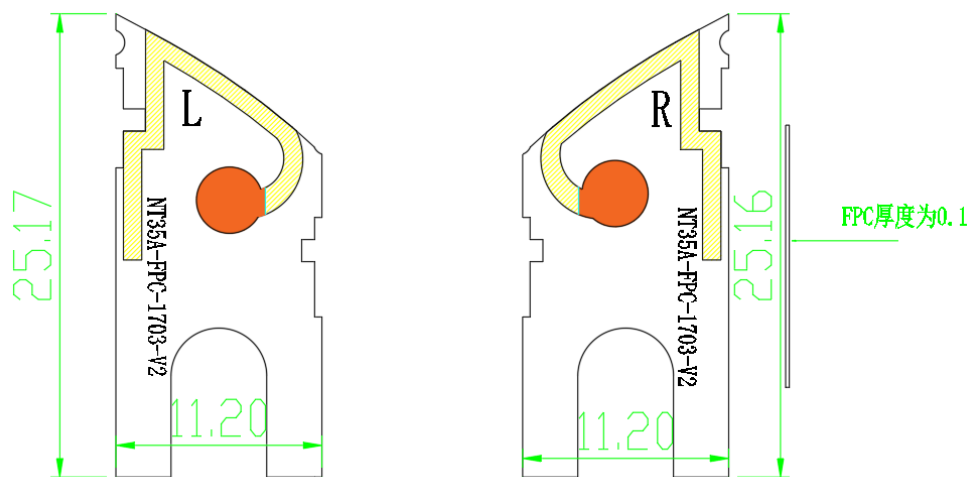
PART
NO.

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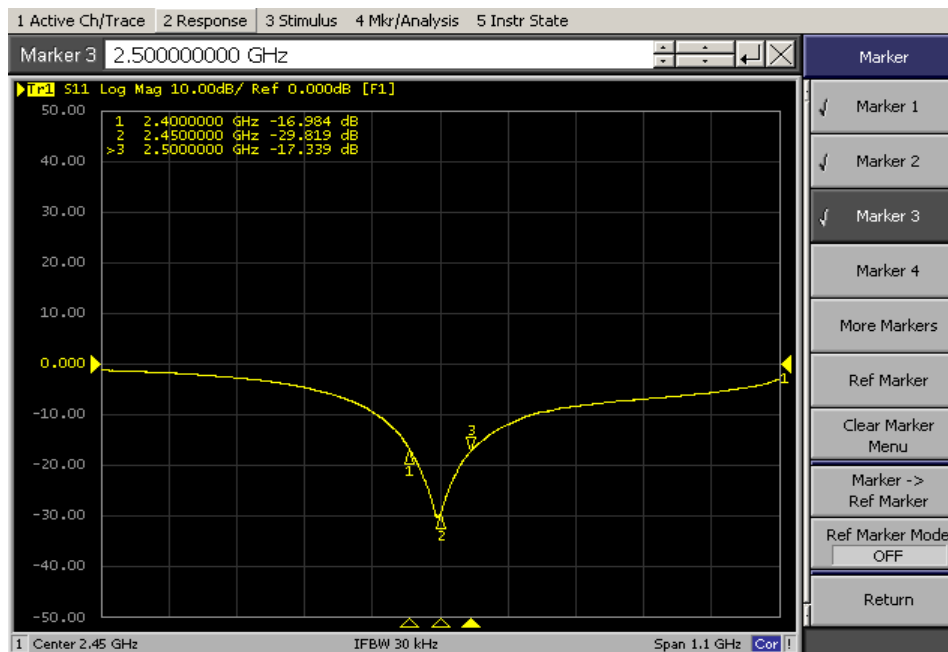
6. Dimensions (unit: mm)



public errand: $\pm 0.2\text{mm}$

7. Measurement Characteristics:

(1) Return Loss



(2) VSWR

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm

Hole Dia. : \pm



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Scale :

Unit : mm

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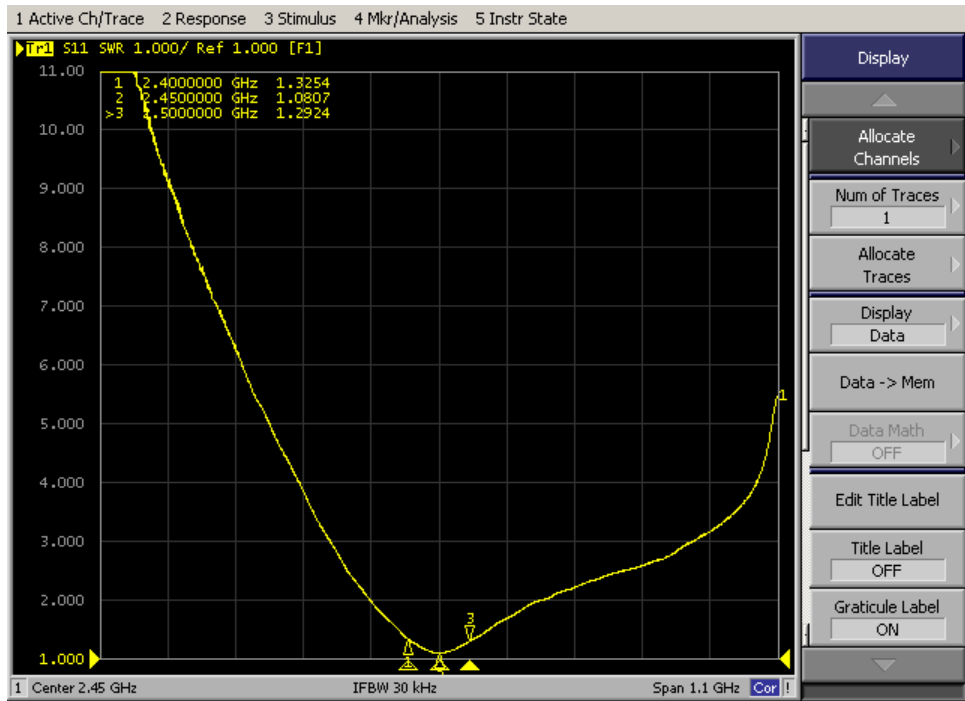
TITLE : BT FPC Antenna(NT35A-L/R)

PART
NO.

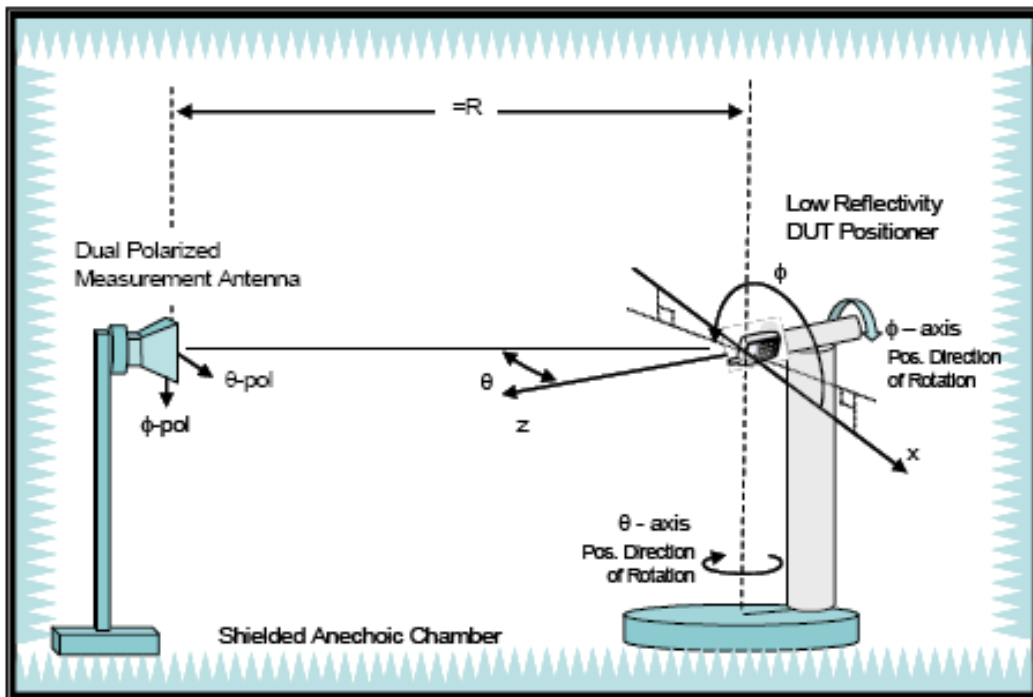
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8. Three D Radiation Pattern measurements



Tolerances (Unless otherwise specified)
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 Angle : ± Hole Dia. : ±



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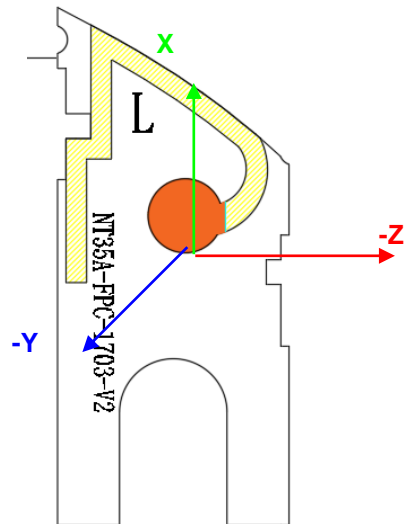
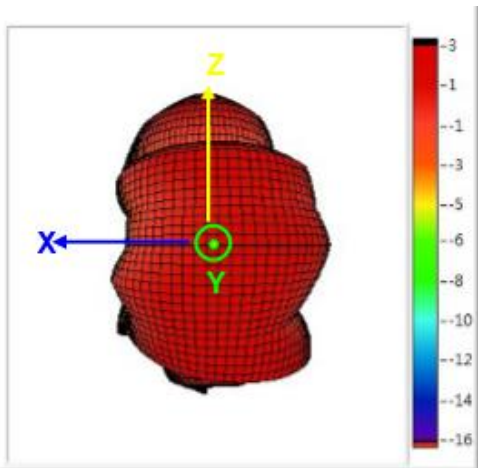
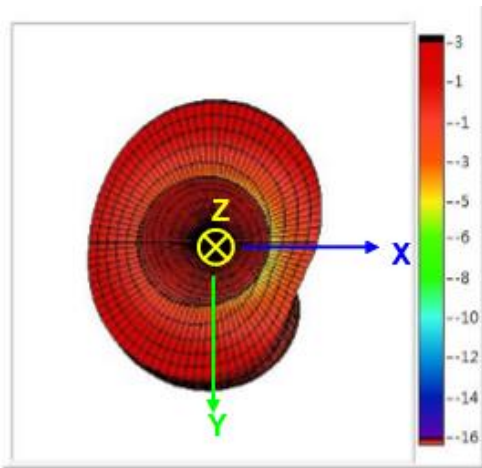
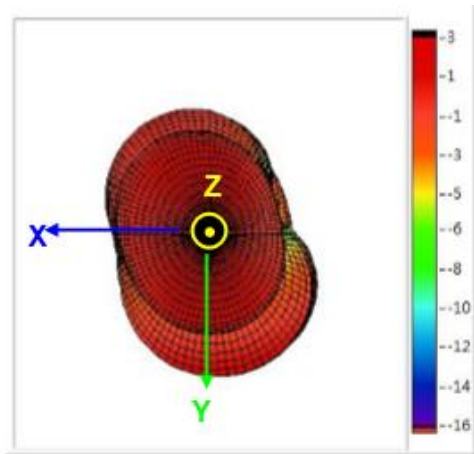
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9.Radiation Pattern

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



Tolerances (Unless otherwise specified)
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 Angle : ± Hole Dia. : ±



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Scale :	Unit : mm
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9-2.2D Gain complete machine (Radiation Pattern at 2450 MHz)

9-3.complete machine Efficiency Table

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	30	29	28.7	26
Gain (dBi)	1.45	1.49	1.6	1.58	1.54	1.49

10.Revision Control:

Revision	Date	Content	Remark
A	2022-11-21	New Issued.	N/A

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : ±

Hole Dia. : ±



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