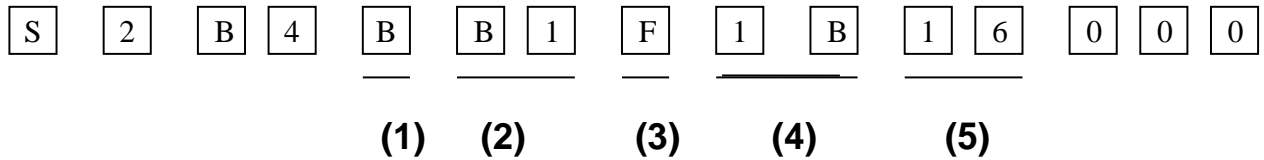


BT FPC Antenna (P2 (Supsleep Audio P2))

1. Explanation of Product Number



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:12.3*9.4*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

Angle : ± Hole Dia. : ±



Shenzhen Yingfeng Antenna Technology Co., Ltd
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Taoyuan Street, Nanshan District, Shenzhen

Scale :

Unit : mm

Drawn By : Shelley

Checked By : Simon

Designed By : Simon

Approved By : SIMON

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TITLE : BT FPC Antenna(P2 (Supsleep Audio P2))

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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	12.3*9.4 *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

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Angle : \pm Hole Dia. : \pm

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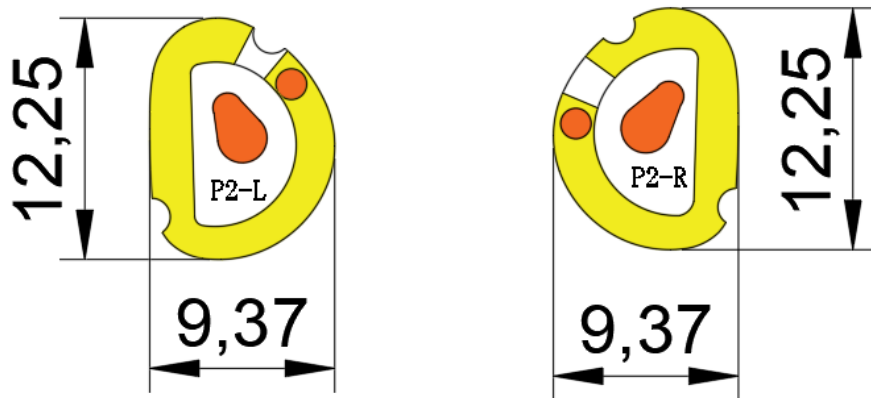
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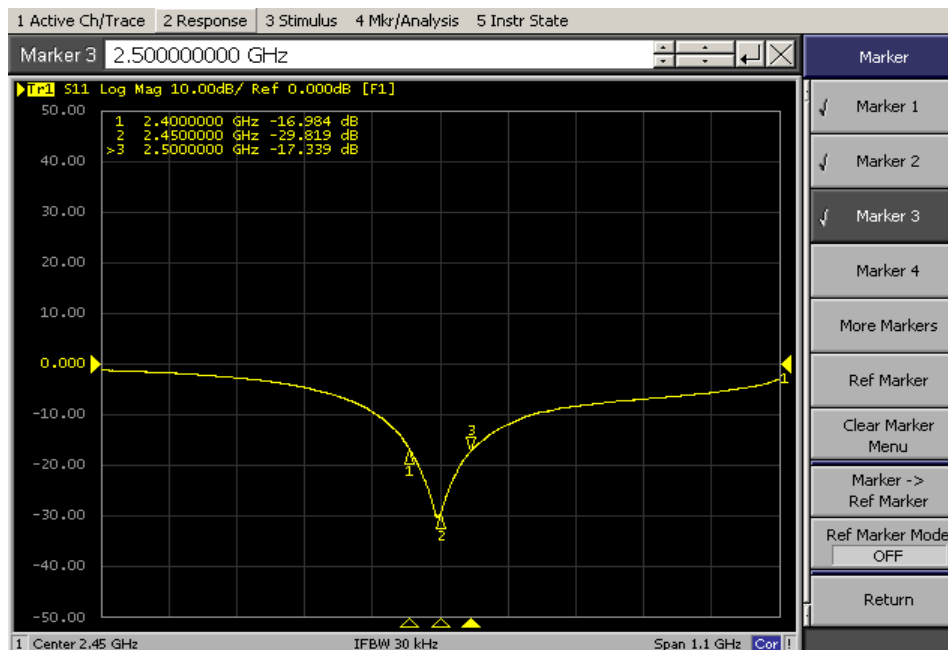
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6. Dimensions (unit: mm)



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

Scale : Unit : mm

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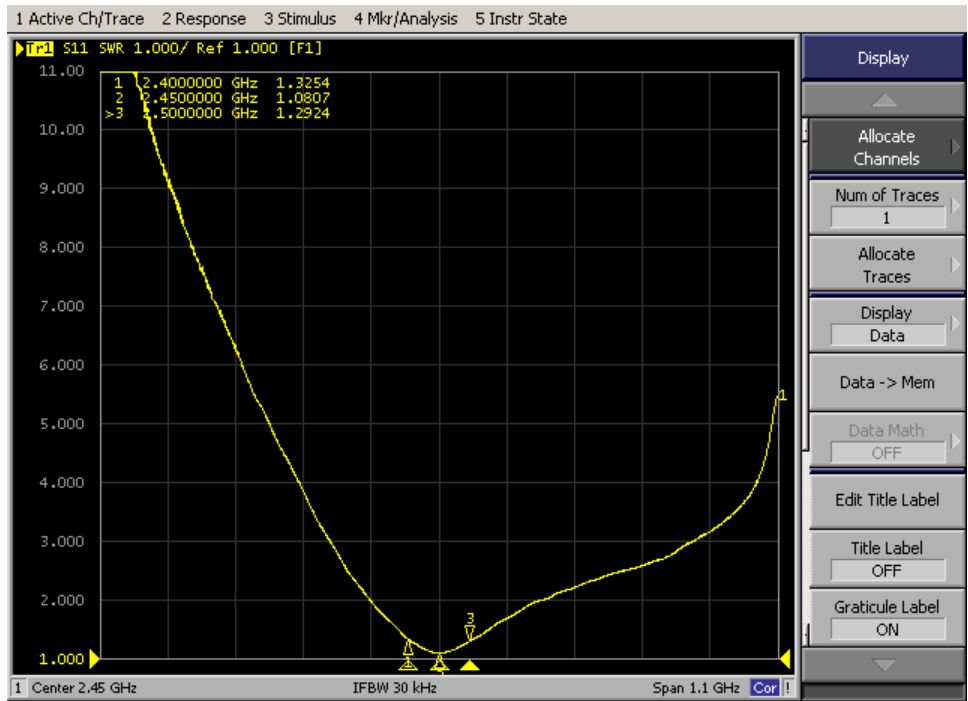
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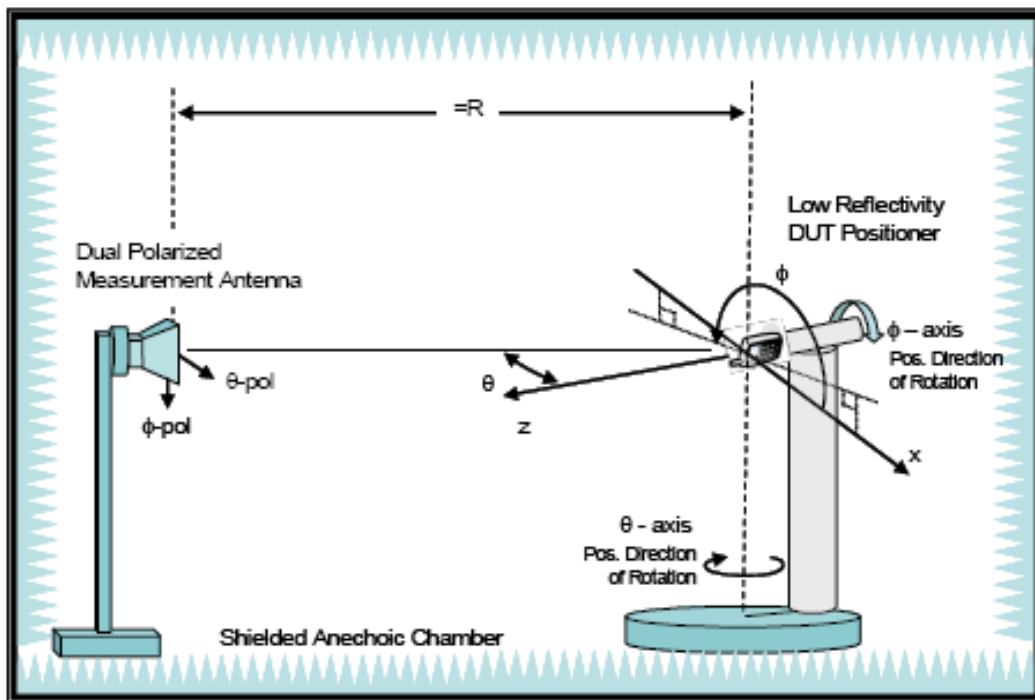
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8. Three D Radiation Pattern measurements



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : ± Hole Dia. : ±

Scale : Unit : mm

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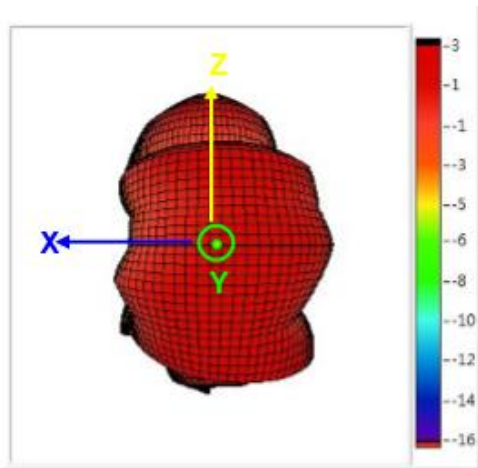
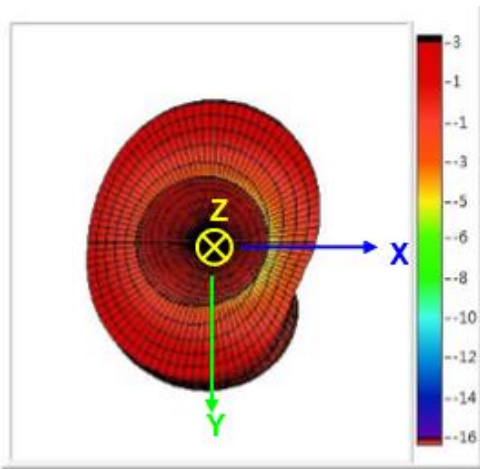
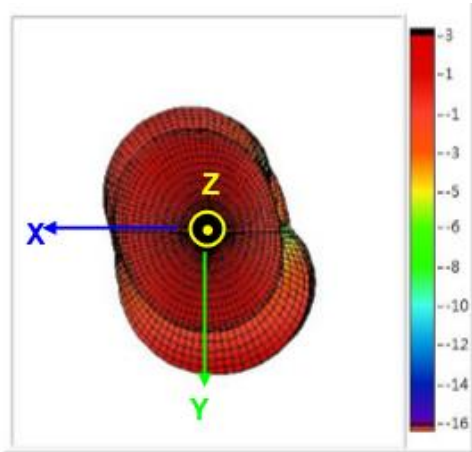
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9.Radiation Pattern

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



Tolerances (Unless otherwise specified)
X : ± 1 X.X : ± 0.1 X.XX : ± 0.01
Angle : ± Hole Dia. : ±



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Scale :	Unit : mm
Drawn By : Shelley	Checked By : Simon
Designed By : Simon	Approved By : SIMON

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9-2.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	32.3	30	29	28.7	26
Gain (dBi)	1.02	1.15	1.24	1.23	1.06	0.95

10.Revision Control:

Revision	Date	Content	Remark
A	Mar.5.2021	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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