

BT FPC Antenna (S2-TX)

1. Explanation of Product Number

S	2	B	4	B	B	1	F	1	B	7	8	0	0	0
				(1)	(2)	(3)	(4)	(5)						



Product Description:

- (1) Product Categories:
B:BT Antenna
- (2) Dimensions:
B1: 27.92*23.01*0.15 (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. : ±



深圳市迎丰天线技术有限公司
 SHEN ZHEN YINGFENG ANTENNA TECHNOLOGY CO.,LTD

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

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TITLE : BT FPC Antenna(S2-TX)	PART NO.	S2B4BB1F1B78000	REV.
			B

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	27.92*23.01*0.15			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	
	1.18	1.08	1.29	
GAIN Table	Total Gain = Xpol + Ppol			
Freq.Band	2400MHz	2450MHz	2485MHz	2500MHz
Peak Gain(dBi)	1.51	1.72	1.69	1.23

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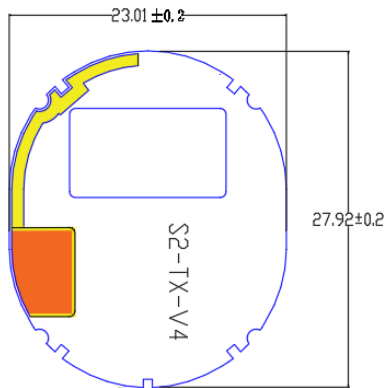
PART
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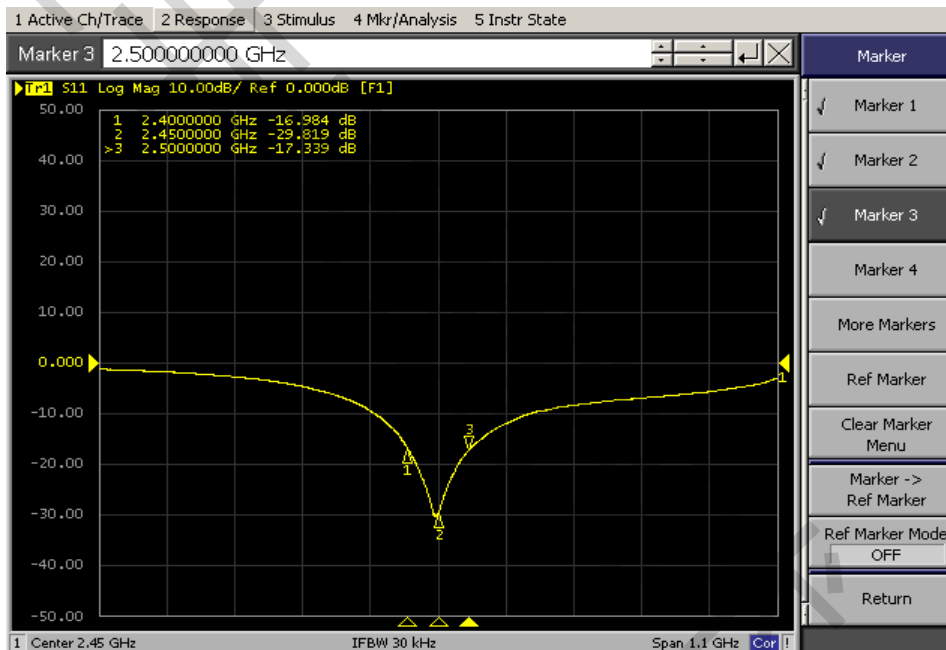
6. Dimensions (unit: mm)

blic 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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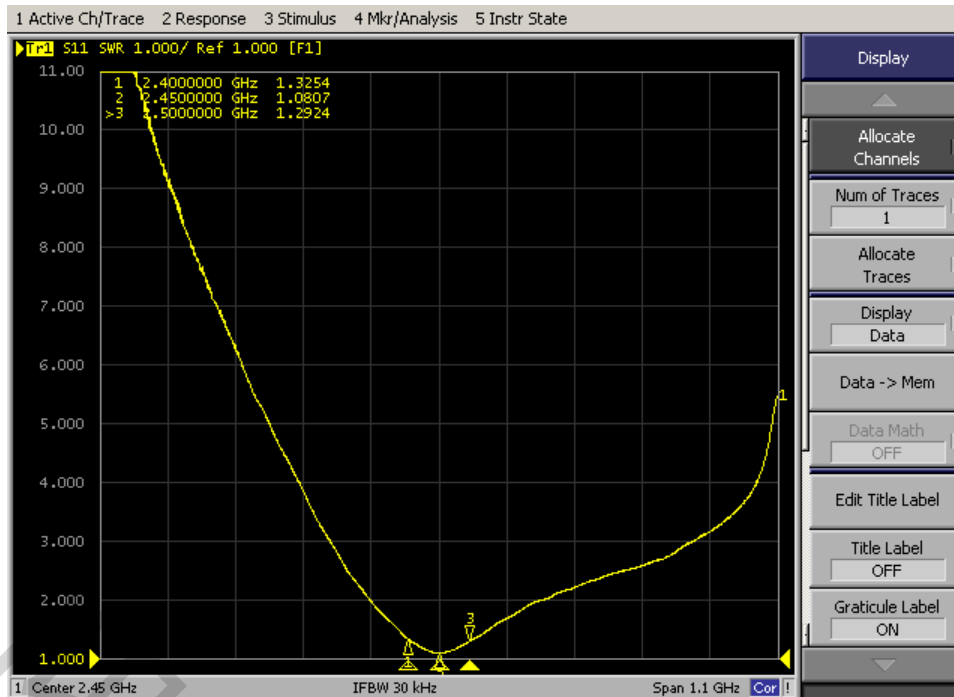
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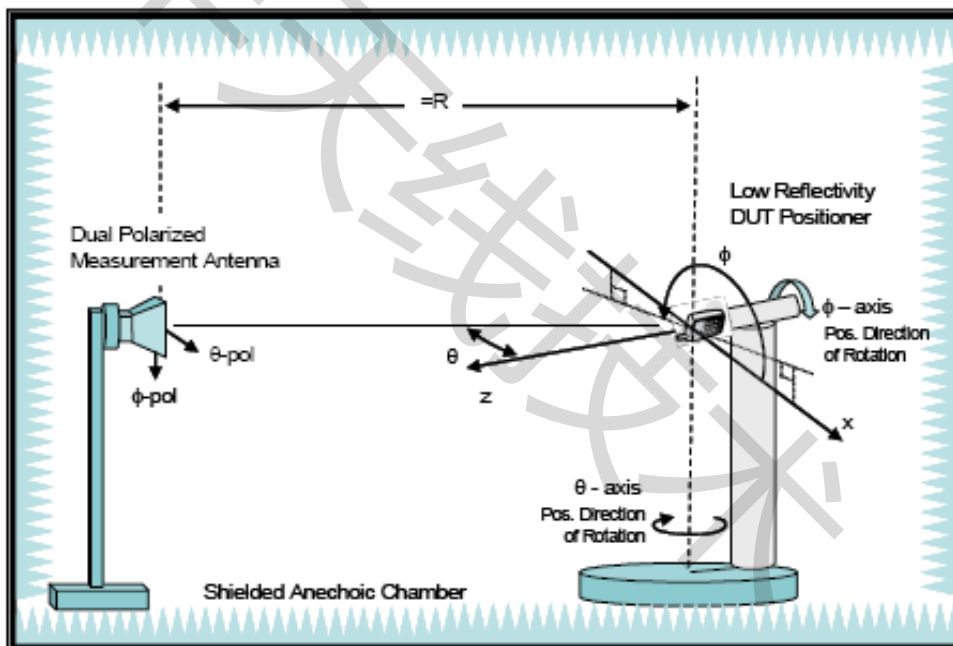
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8. Three D Radiation Pattern measurements



9. Radiation Pattern

Tolerances (Unless otherwise specified)

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Angle : ±

Hole Dia. : ±



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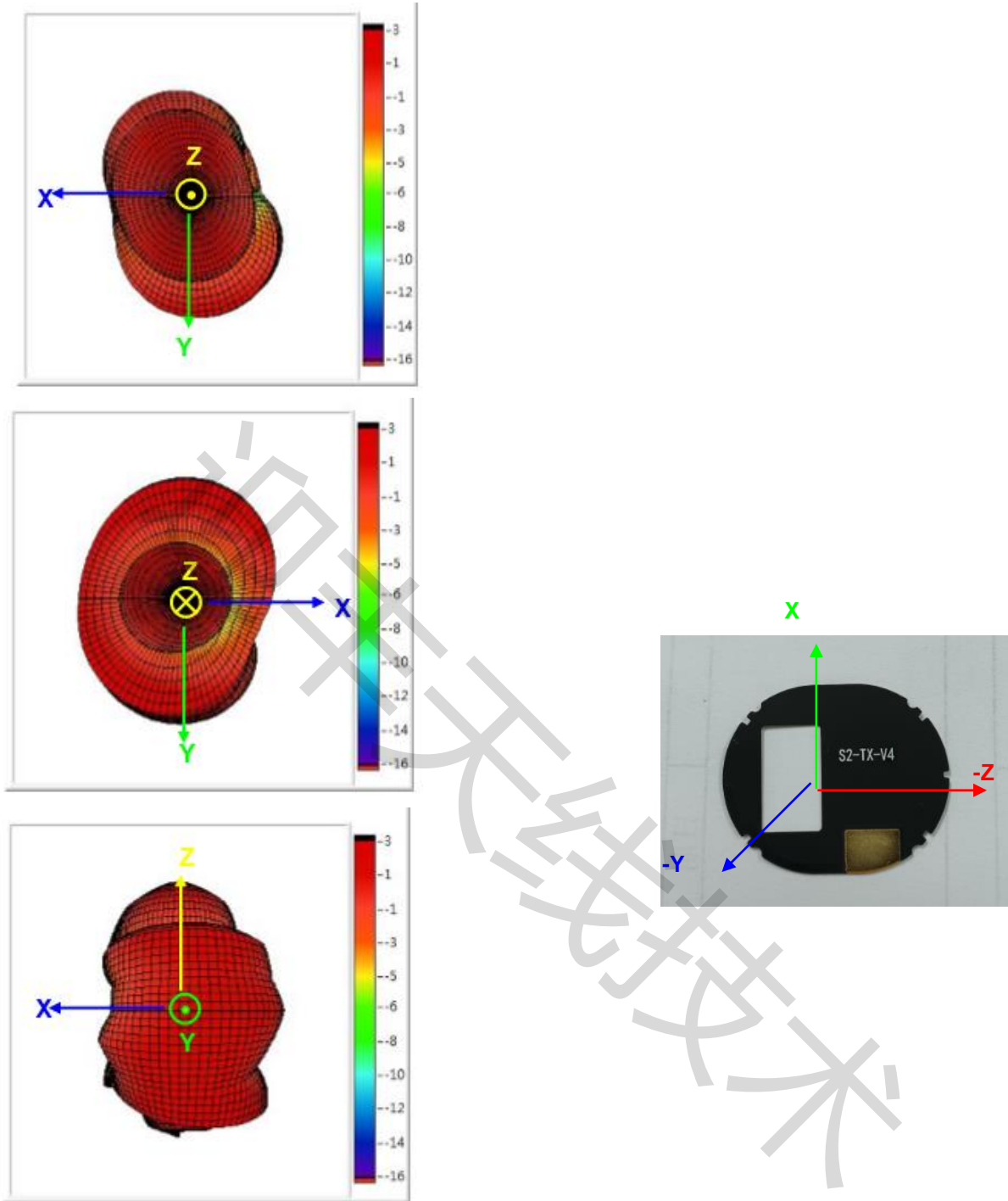
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9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



9-2.2D Gain complete machine (Radiation Pattern at 2450 MHz)

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