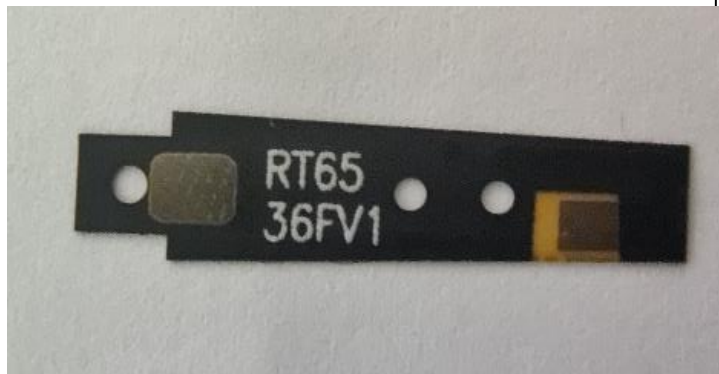


BT FPC Antenna (RT6536FV1)

1. Explanation of Product Number

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



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:19.5*4.6*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. : ±



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 : Simon

Approved By : Frank

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TITLE : BT FPC Antenna(RT6536FV1)

PART
NO.

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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	19.5*4.6 *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

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : \pm

Hole Dia. : \pm



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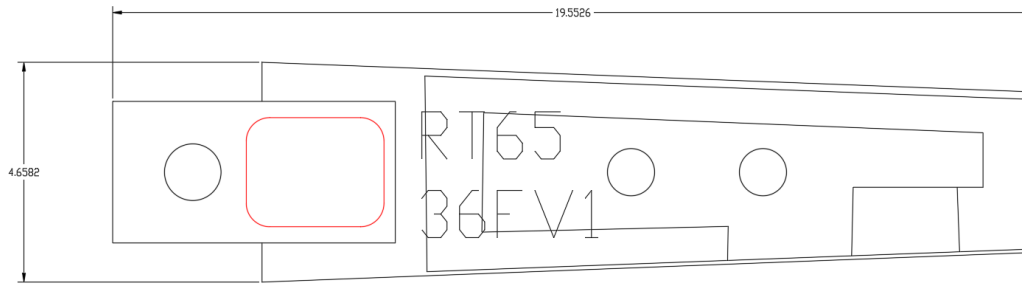
PART
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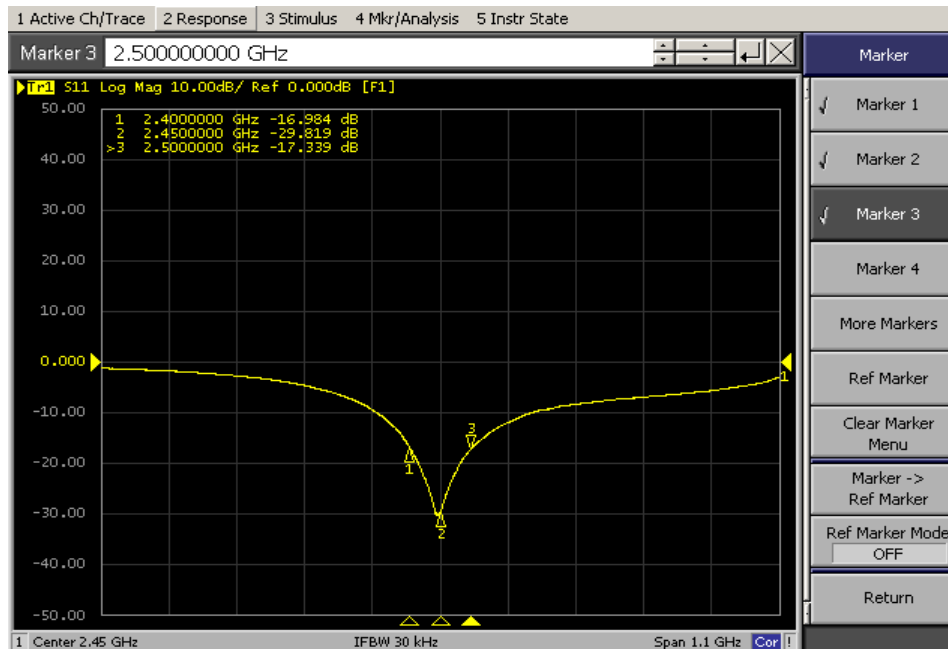
6. Dimensions (unit: mm)

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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Scale :

Unit : mm

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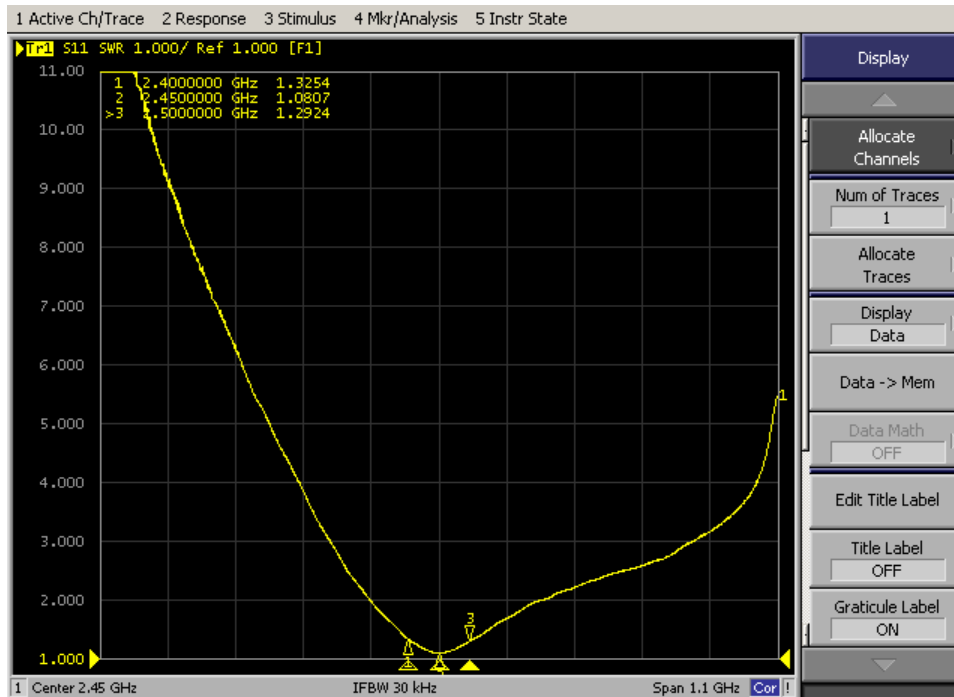
TITLE : BT FPC Antenna(RT6536FV1)

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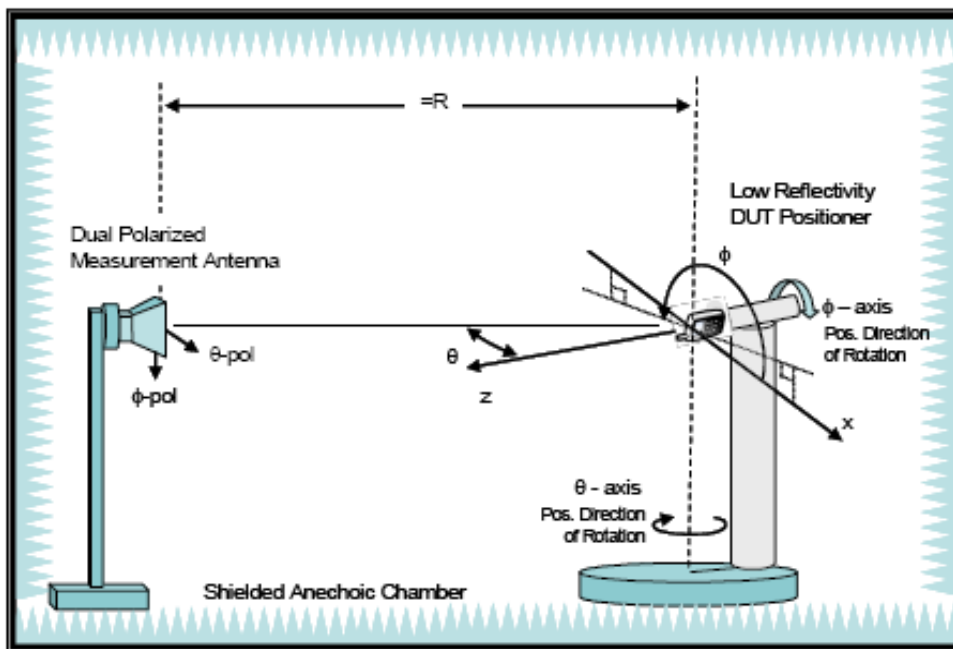
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8. Three D Radiation Pattern measurements



9. Radiation Pattern

Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : ±

Hole Dia. : ±



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Scale :

Unit : mm

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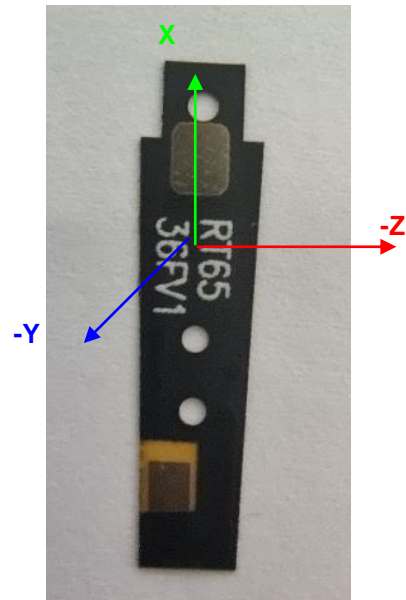
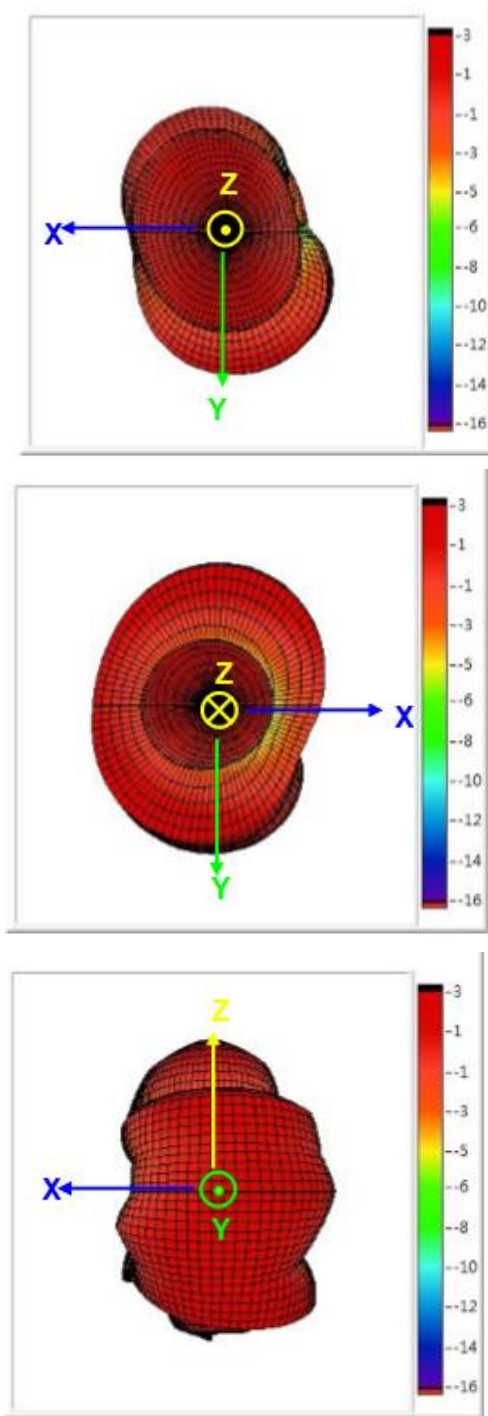
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9-1.3D Gain Pattern (Radiation Pattern at 2450 MHz)



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

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



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Scale :	Unit : mm
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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)	1.52	1.65	1.75	1.63	1.56	0.45

10.Revision Control:

Revision	Date	Content	Remark
A	2023-8-15	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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