

BT FPC Antenna (MD060-R)

1. Explanation of Product Number

S	2	B	4	B	B	1	F	1	B	5	6	0	0	0
				(1)	(2)	(3)	(4)	(5)						



Product Description:

(1) Product Categories:

B:BT Antenna

(2) Dimensions:

B1:29.21*7.80*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 : Andy Checked By : Simon

Designed By : Simon Approved By : Simon

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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	29.21* 7.80*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	-12	-30	-12	
VSWR Table	VSWR			
Freq.Band	2.4G Hz	2.45G Hz	2.5G Hz	
	1.5	1.1	1.6	
GAIN Table	Total Gain = Xpol + Ppol			
Freq.Band	2400MHz	2450MHz	2500MHz	
Peak Gain(dBi)	1.32	1.68	1.72	

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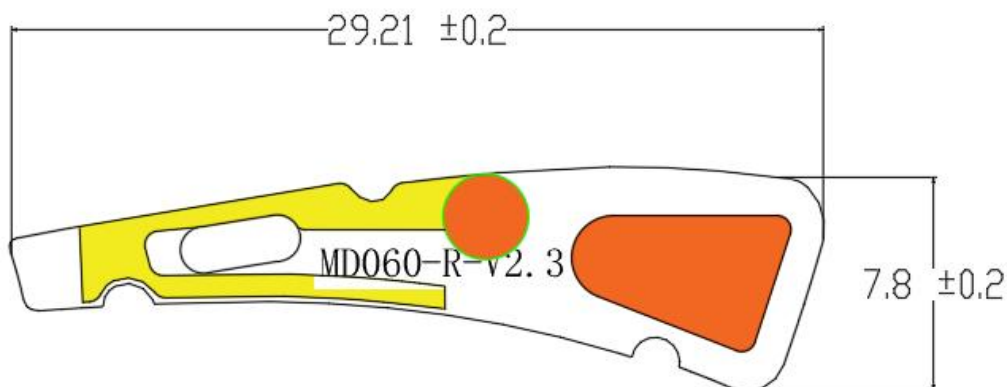
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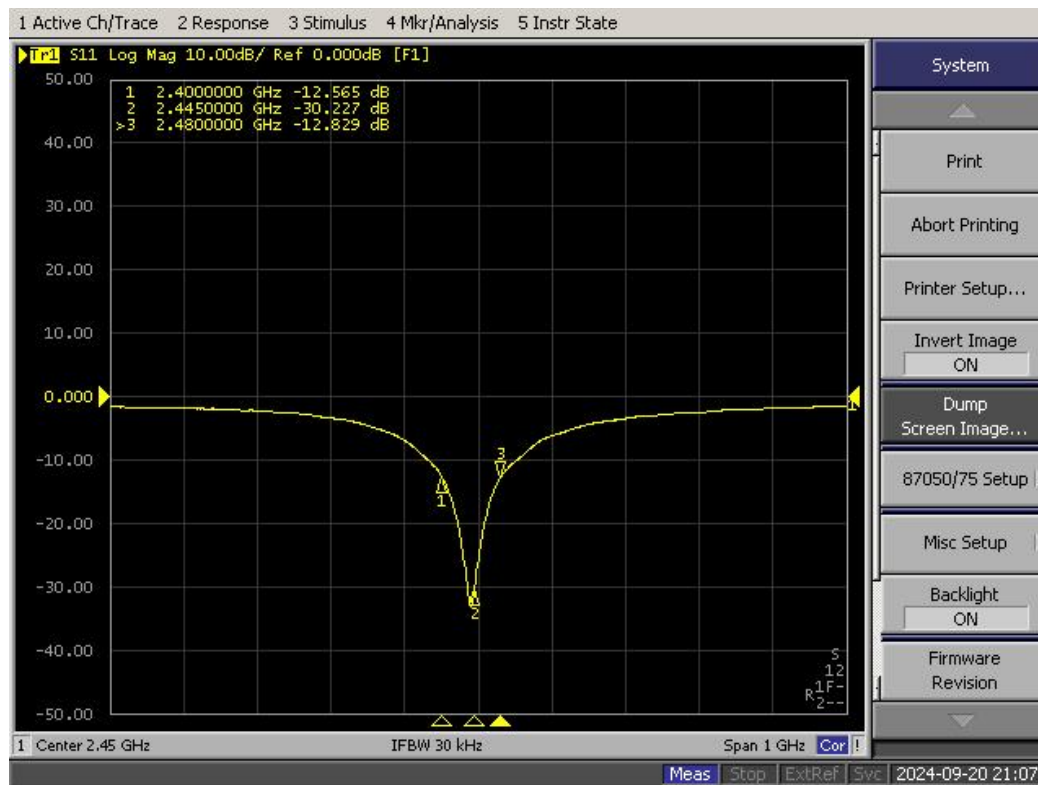
6. Dimensions (unit: mm)

Dimensional tolerance: $\pm 0.2\text{mm}$



7. Measurement Characteristics:

(1) Return Loss



Tolerances (Unless otherwise specified)
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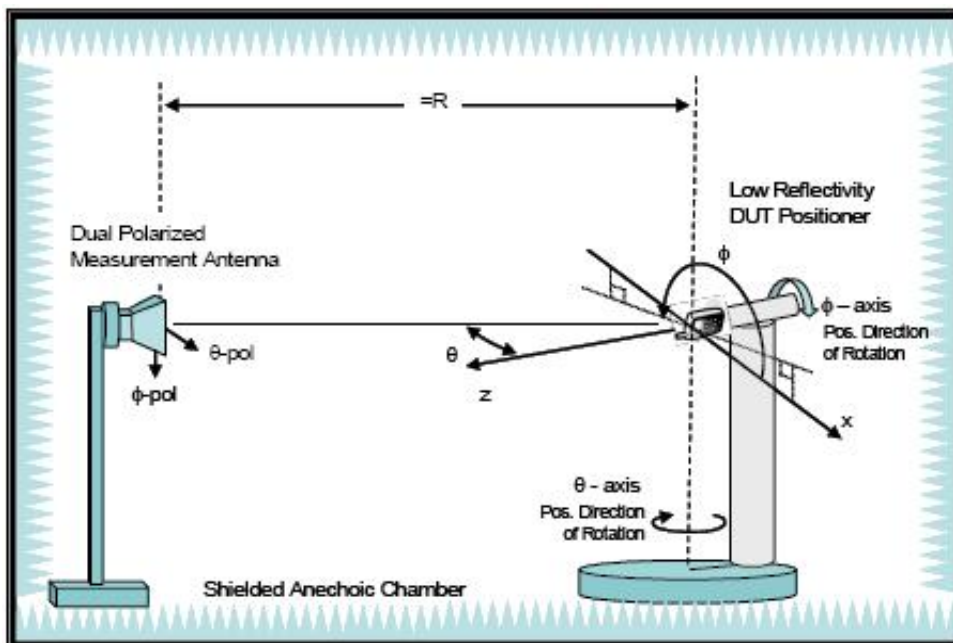
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(2) VSWR



8. Three D Radiation Pattern measurements



Tolerances (Unless otherwise specified)
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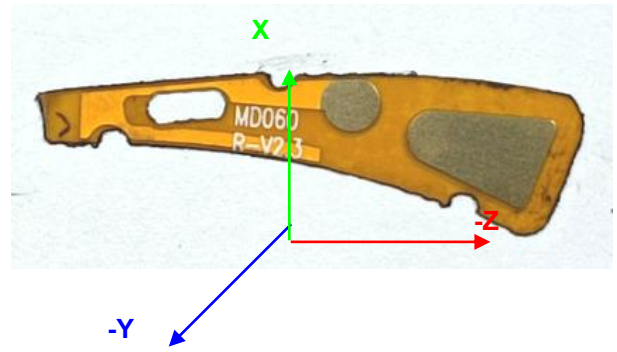
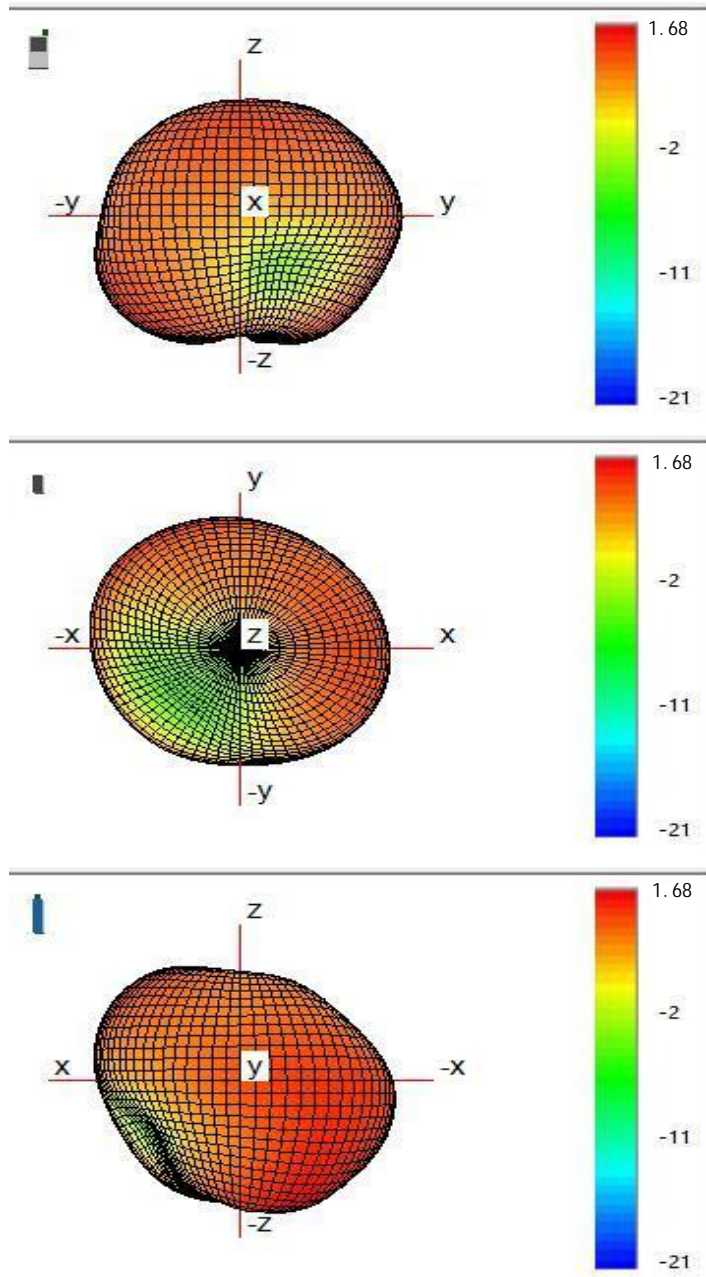
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9.Radiation Pattern

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



Tolerances (Unless otherwise specified)
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 Angle : \pm Hole Dia. : \pm



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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 (%)	30.2	32.1	35.9	35	37.8	37.3
Gain (dBi)	1.32	1.47	1.68	1.55	1.79	1.72

10-1 产品包装 Product packaging

版本 edition:: V2.0	页码 Page: 1/1
1.产品排版: 44*3=132PCS	2.离型纸隔层摆放保护天线 Barrier paper protection products
	
3.密封袋封装效果 Sealing bag packaging effect	4.纸箱封箱效果(贴出货标签和 ROHS 标签) Carton sealing effect
	

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10-2.Revision Control:

Revision	Date	Content	Remark
A	2024-07-29	New Issued.	N/A

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