

Antenna data sheet

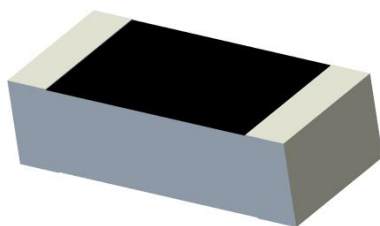
PRODUCTS:	F05 Chip antenna
Spec.:	E.6.050
Peak Gain :	2.05dBi
Data:	2023.08.16

Manufacturer:ShenZhen FeiMin Technology CO.,LTD.

ADD:Room 303,Building C,Hengnan one Road,Gushu community,Xixiang Street,Bao' an District,Shenzhen City,China

1. Project Information

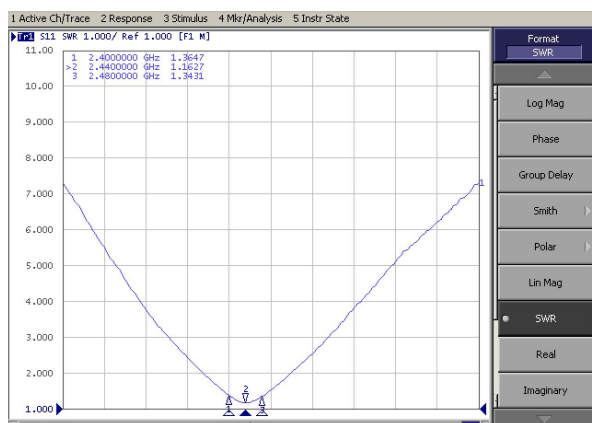
1.1. Appearance and Dimensions



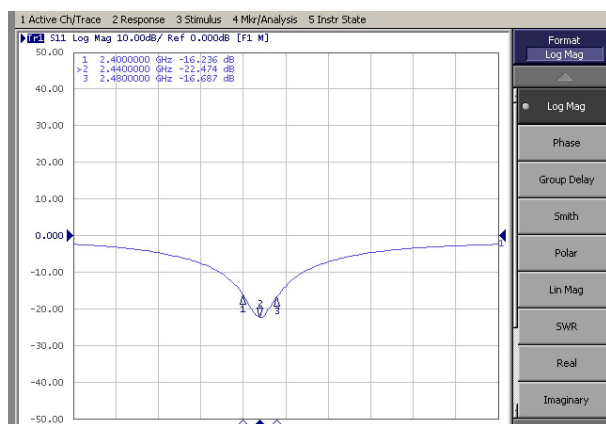
Symbol	Dimension (mm)
Length	3.2 ± 0.20
Width	1.6 ± 0.20
Thickness	1.0 ± 0.20
Electrode width	0.4 ± 0.20

2.2.VSWR & Smith

VSWR



S11



2.3.Gain and Efficiency

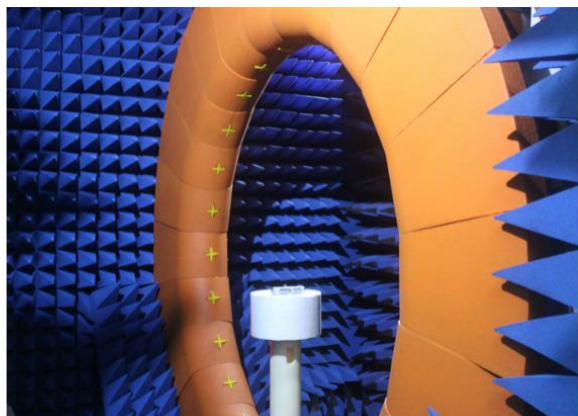
Test system

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主要测试指标

- ◆ 无源指标
- ◆ 增益
- ◆ 效率
- ◆ 3D方向图

- 有源指标
- TRP总辐射功率
- TIS总接收灵敏度

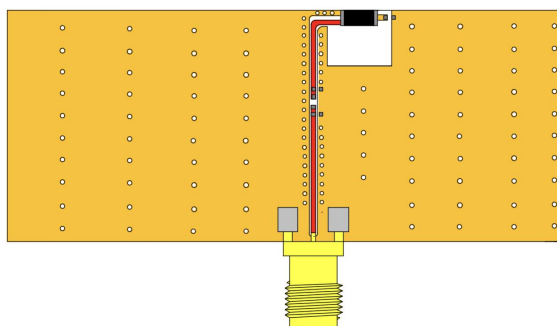
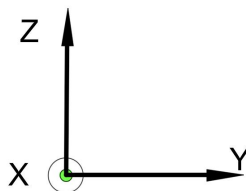


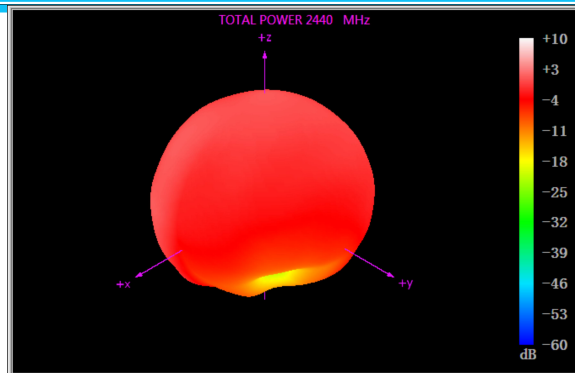
24 探头微波暗室

➤ 频率: 0.4GHz至6GHz

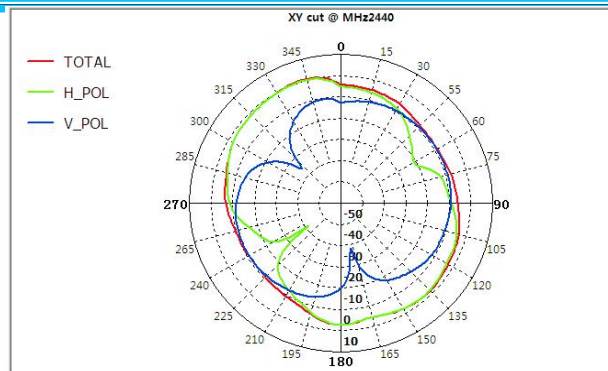
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	1.43	50.15
2410 MHz	1.38	50.78
2420 MHz	1.49	50.49
2430 MHz	1.34	50.43
2440 MHz	1.30	50.04
2450 MHz	1.57	52.50
2460 MHz	1.76	56.12
2470 MHz	1.89	57.29
2480 MHz	2.05	58.23
2490 MHz	2.06	55.99
2500 MHz	2.06	53.66

2.4. Antenna radiation pattern

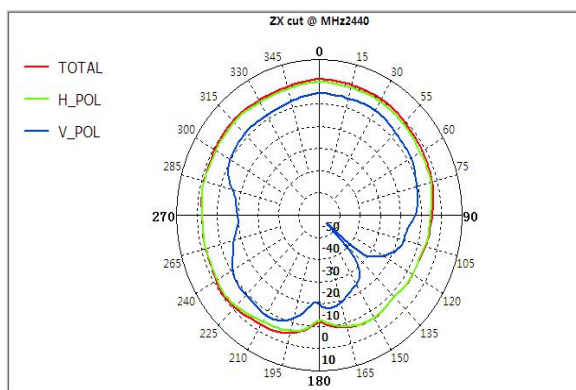




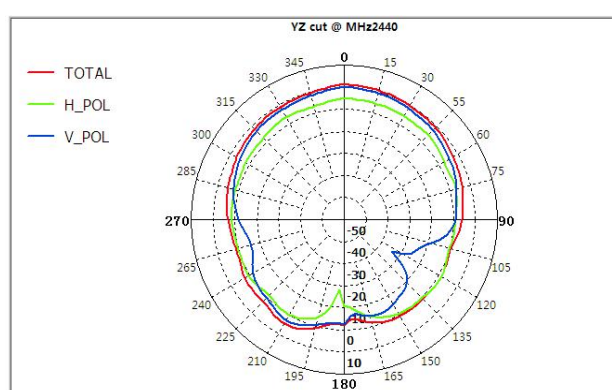
3D-plane@2.44GHz



2D-plane XOY @2.44GHz



2D-plane XOZ@2.44GHz



2D-plane YOZ @2.44GHz