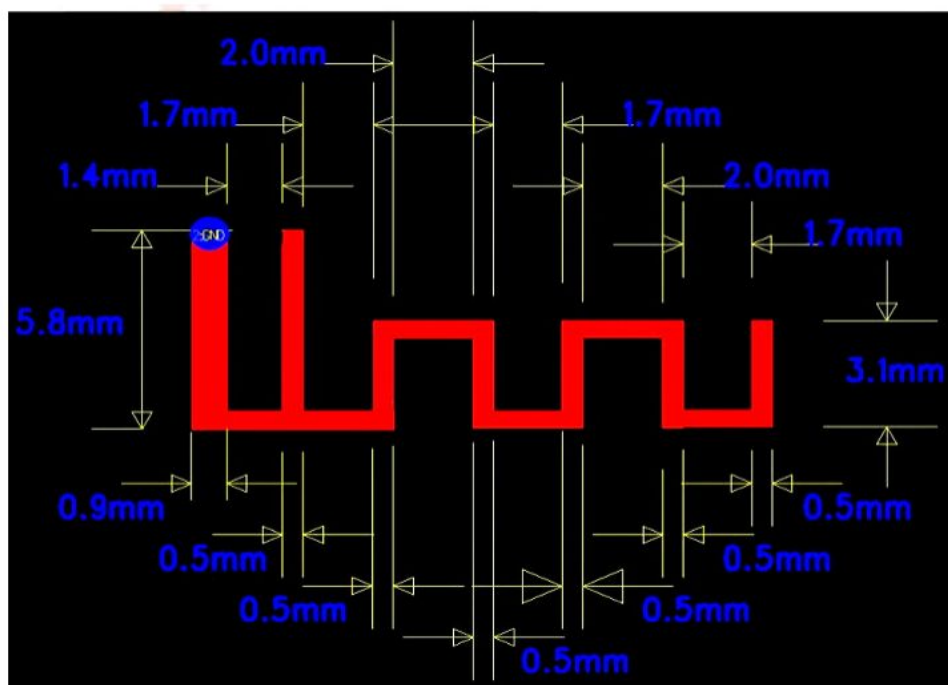


2.4G-2.48G频段板载 PIFA 天线测试报告

2.4G-2.48G Inverted FAntenna Specification

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.338
Average Gain (dBi)	>-5.5
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	Plannar Inverted F Antenna on board
Polarization	Linear
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD
Address:	No.333 Kexing Road, Nanping Science Park, Xiangzhou District, Zhuhai
Test equipment	HWA-TECH

Antenna Photo & Length(mm)



天线无源 S参数：

Antenna passive S-parameters:

驻波比(VSWR) 、回波损耗(Return Loss) 及史密斯圆图(Smith)



天线效率及增益：

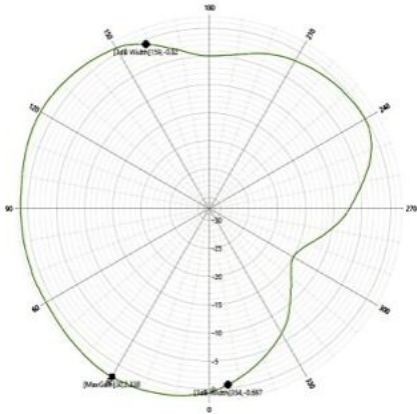
Antenna efficiency and gain:

Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency(dB)
2400	2.338	59.39%	-2.915	-2.263
2410	1.603	49.11%	-3.883	-3.088
2420	1.295	46.04%	-4.014	-3.369
2430	0.388	36.89%	-4.91	-4.331
2440	0.187	34.00%	-5.276	-4.685
2450	0.02	31.71%	-5.431	-4.988
2460	0.507	34.88%	-5.02	-4.575
2470	0.291	31.89%	-5.323	-4.963
2480	0.429	32.89%	-5.195	-4.83
Average	0.78	39.64%	-4.66	-4.12
Peak	2.338	59.39%	-2.915	-2.263

天线2400MHz 2D-Theta Pattern

QUICK OTA VERSION:1.0.1.908

INSTRUMENT+ CircuNormal
TEST 202502211516@ Passive Antenna Measurement@@@IMEI@.too
ParamEdit Thets Min 0 Theta Max 0 Phi Min 0 Phi Max 0 Freq Select 2400Hz Angular interval 0
CaseEdit 2D-Theta 2DLine Theta 2D - Phi 2DLine Phi DataLine HeatMap:3D
Report
AntennaFileGeni
CableFileGeneral
TurnTable

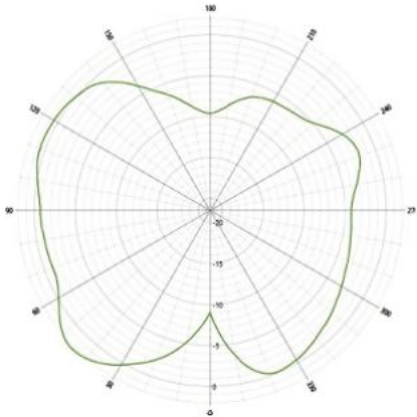


- ☐ All
- 45 Total
- 22.5 Horizontal
- 22.5 Vertical
- 22.5 Total
- 45 Horizontal
- 45 Vertical
- 45 Total
- 67.5 Horizontal
- 67.5 Vertical
- 67.5 Total
- 90 Horizontal
- 90 Vertical
- 90 Total
- 112.5 Horizontal
- 112.5 Vertical
- 112.5 Total
- 135 Horizontal
- 135 Vertical
- 135 Total
- 157.5 Horizontal
- 157.5 Vertical

天线2400MHz 2D-Phi Pattern

QUICK OTA VERSION:1.0.1.908

INSTRUMENT+ CircuNormal
TEST 202502211516@ Passive Antenna Mean-
ParamEdit Next Min 0 Theta Max 0 Phi Min 0 Phi Max 0 Freq Select 2400Hz Angular interval 0
CaseEdit 2D-Theta 2DLine-Theta 2D-Phi 2DLine - Phi Dataline HeatMap
Report
AntennaFileGene
CableFileGenerat
TurnTable



- ☐ All
- 30 Total
- 0 Horizontal
- 0 Vertical
- 0 Total
- 30 Horizontal
- 30 Vertical
- 30 Total
- 60 Horizontal
- 60 Vertical
- 60 Total
- 90 Horizontal
- 90 Vertical
- 90 Total
- 120 Horizontal
- 120 Vertical
- 120 Total
- 150 Horizontal
- 150 Vertical
- 150 Total
- 3dB

2400MHz 3D-Total Pattern

QUICK OTA VERSION:1.0.1.908

INSTRUMENT+ CinutNormal
TEST 202502211516@ Passive Antenna Measurumen1@@@IMEI@....
ParamEdit Theta MinTheta MaxPhi Min Phi Max Freq Select 2400Hz Angular interval 0

