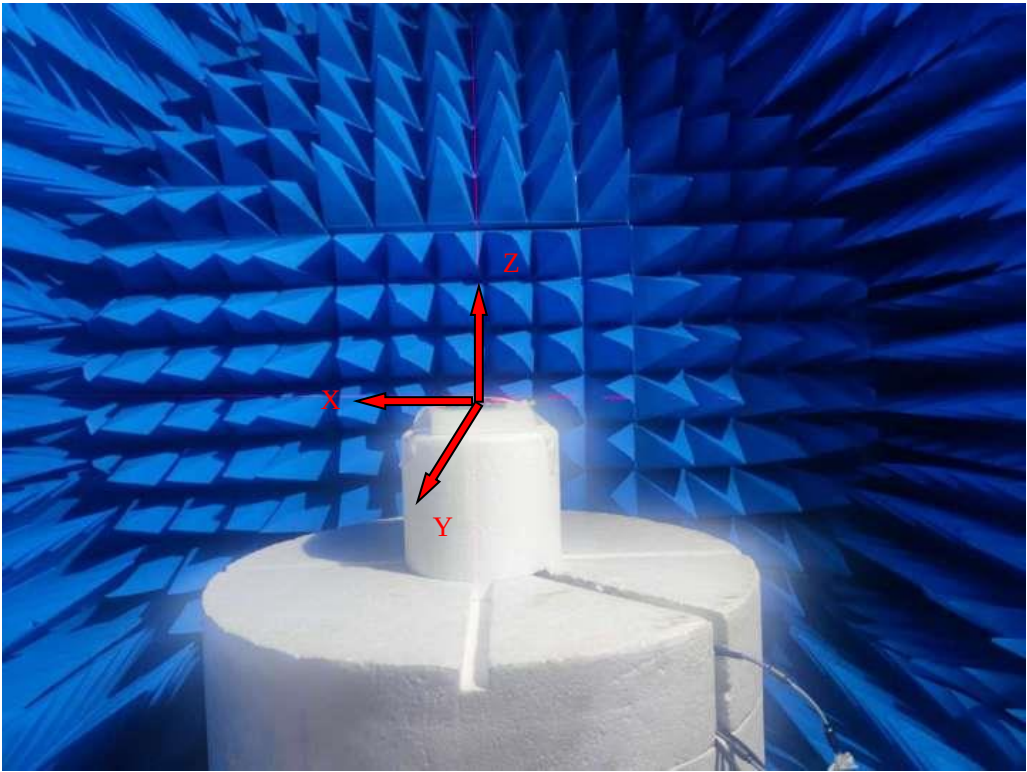


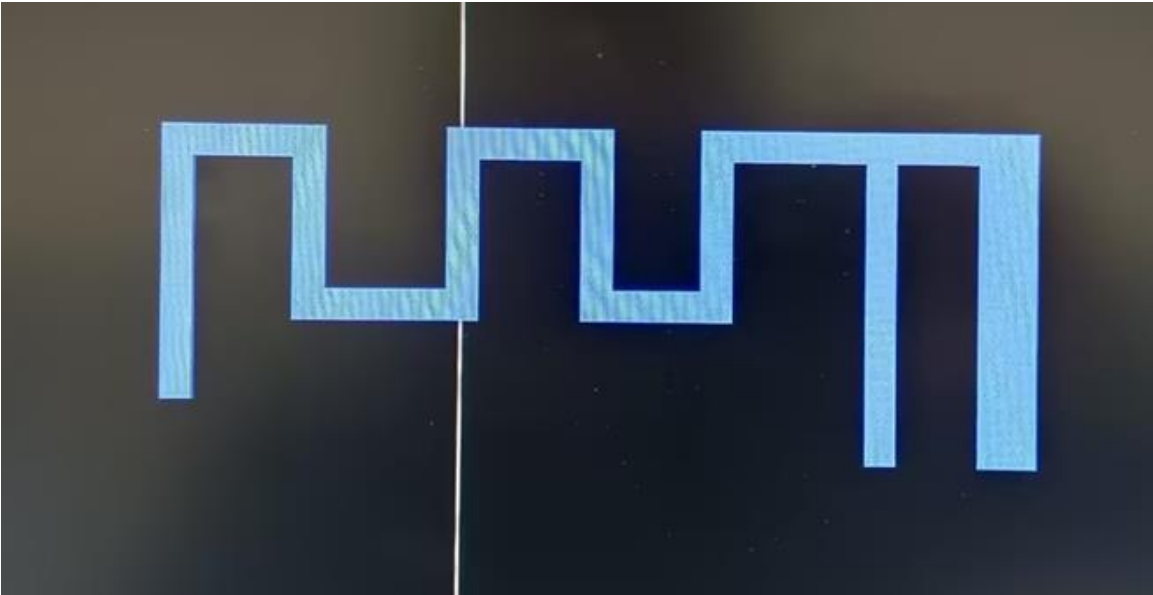
2. 402G-2. 48G band onboard PIFA2 antenna test report

SPECIFICATIONS	
Frequency (MHz)	2402-2480
Peak Gain (dBi)	2.498
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	Plannar Inverted F Antenna on board
Polarization	Linear

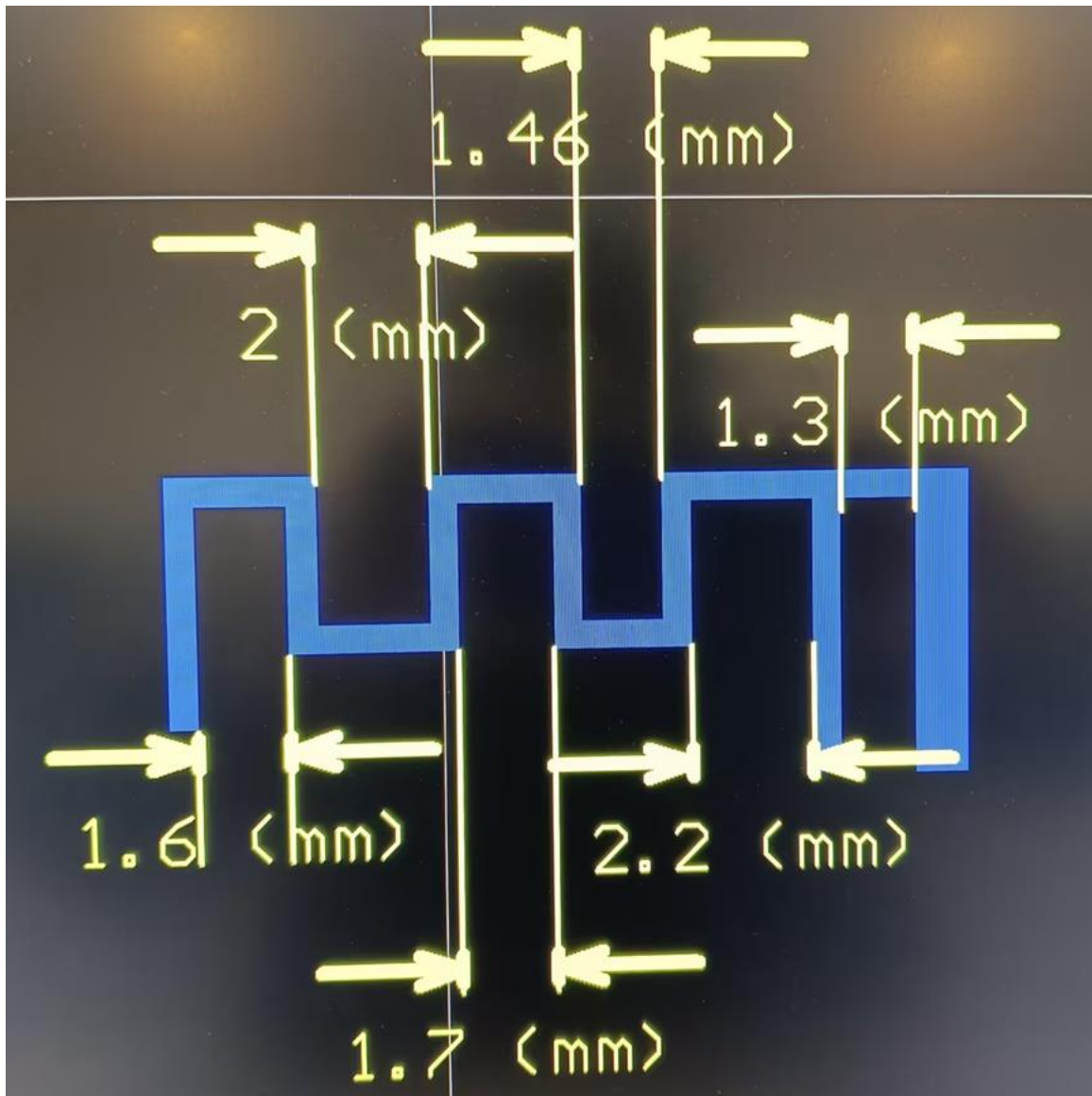
Test environment: China Science and technology darkroom test system



Antenna physical and physical dimensions



manufacturer	address	Model number
中山梵尔照明科技有限公司	地址：中山市古镇镇海洲东岸西路南三路1号	PIFA2
Zhongshan Faner Lighting Technology Co.,Ltd	No. 1, South 3rd Road, Dong an West Road, Haizhou, Guzhen Town, Zhongshan City	PIFA2



天线无源 S 参数:

驻波比 (VSWR)、回波损耗 (Return Loss) 及史密斯圆图

Antenna passive S-parameters:

Standing wave ratio (VSWR), Return Loss (Return Loss) and Smith's circle chart

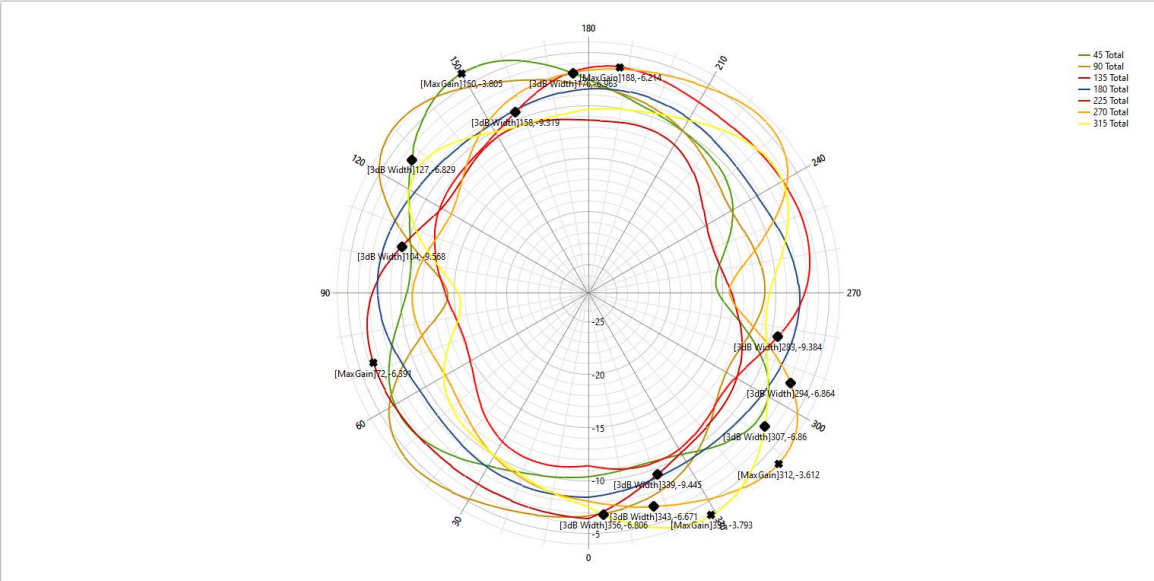


天线效率及增益

Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency (dB)
2402	1.435	59.327%	-2.725	-2.265
2410	0.923	51.863%	-3.431	-2.856
2420	0.827	52.115%	-3.167	-2.834
2430	0.886	49.297%	-3.245	-3.068
2440	1.195	50.674%	-3.138	-2.957
2450	1.684	53.068%	-2.732	-2.768
2460	2.193	59.421%	-2.279	-2.262
2470	2.112	56.682%	-2.436	-2.469
2480	2.498	61.725%	-2.113	-2.099
Average	1.527	54.906%	-2.802	-2.613
Peak	2.498	61.728%	-2.115	-2.084

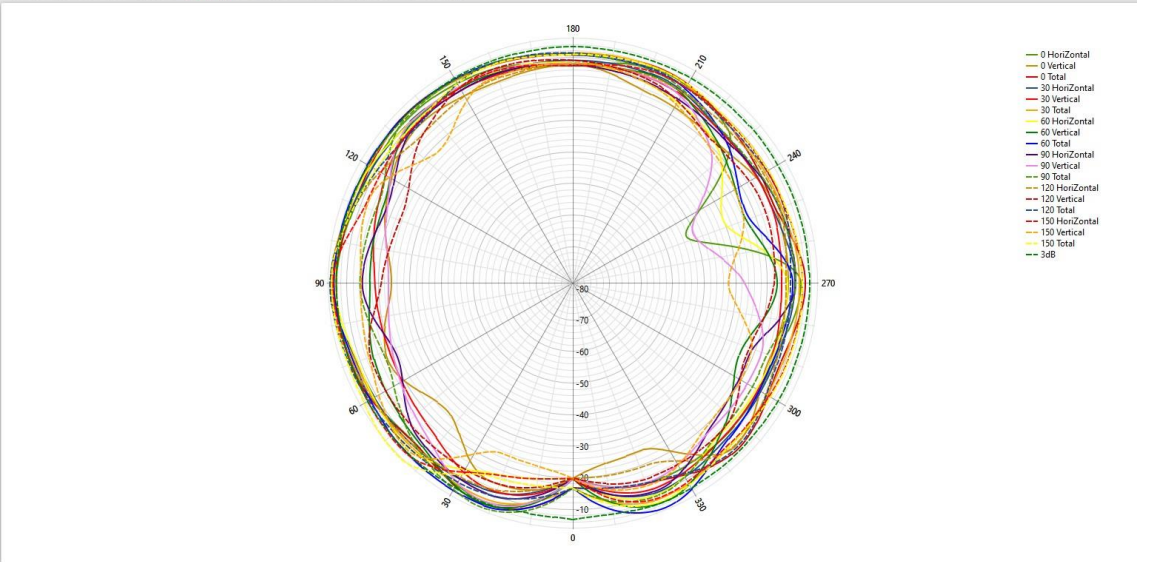
天线 2440MHz 2D-Theta Pattern

2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D

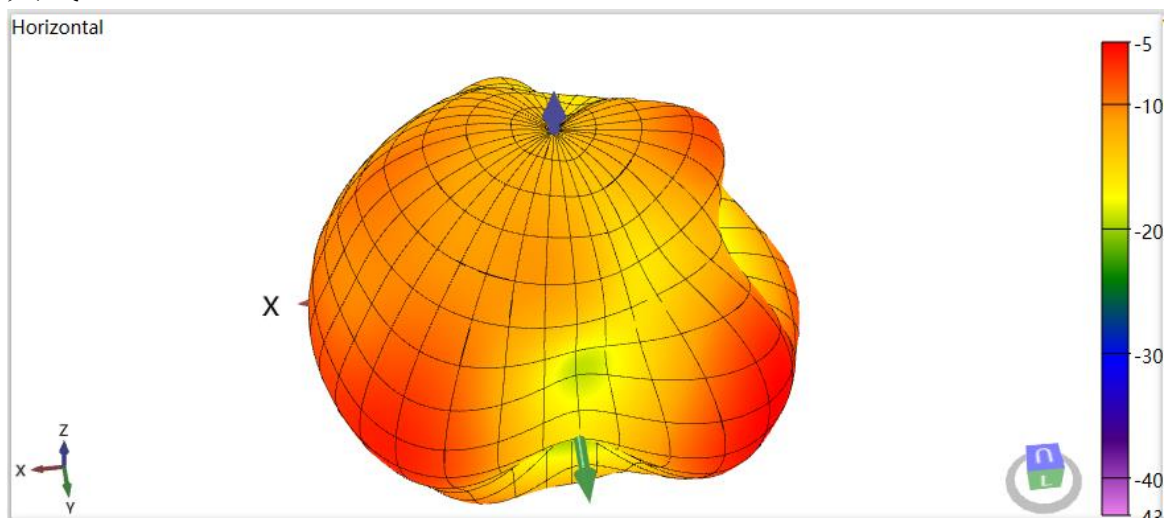


天线 2440MHz 2D-Phi Pattern

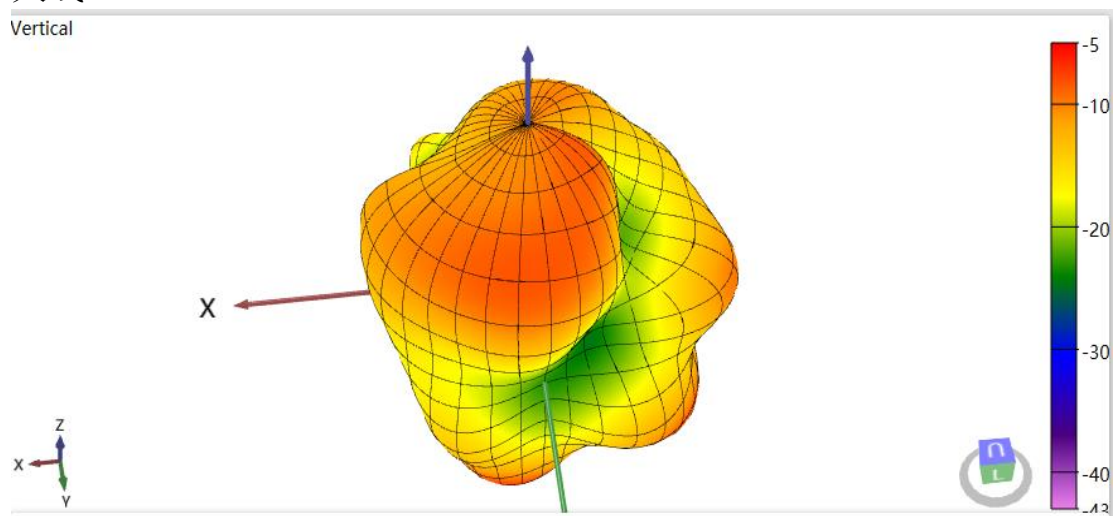
2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D



天线 2440MHz 3D-Horizontal Pattern



天线 2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

