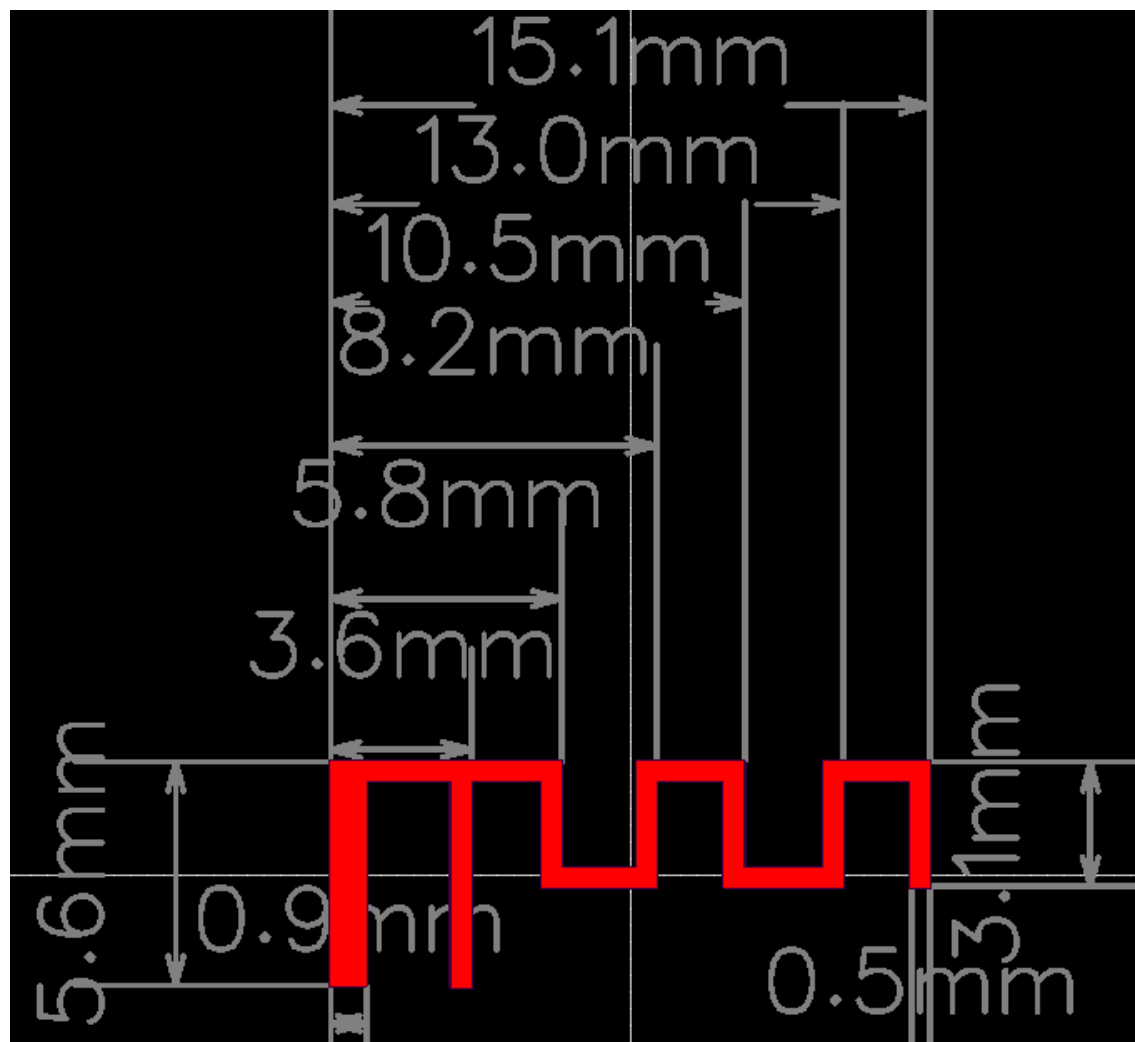


2.4G-2.48GHz PCB Antenna Specification

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.499
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	Plannar Inverted F Antenna on board
Polarization	Linear
Manufacturer:	Shenzhen Si ze yuan Technology Co., Ltd
Address:	Rooms 7001-7007, 7th Floor, Building A, Haoyunlai Business Building, Baomin 2nd Road, Xixiang Town, Bao'an District, Shenzhen

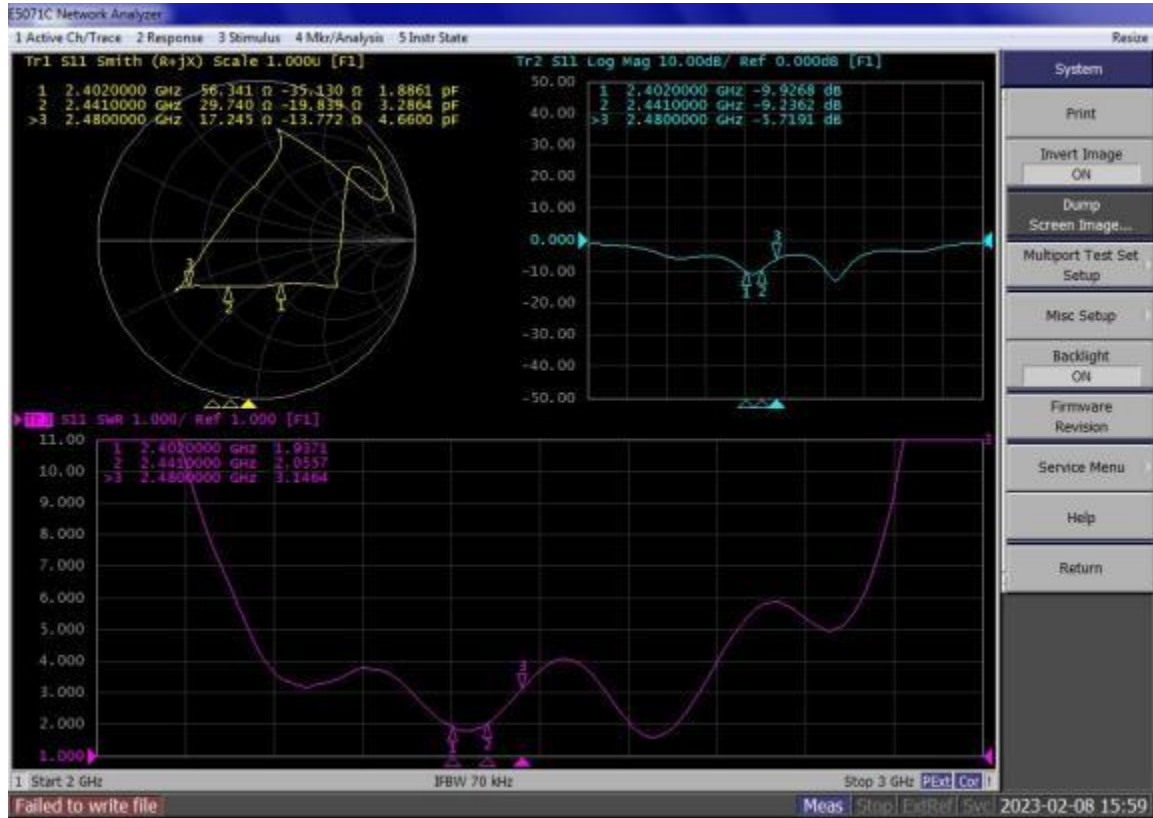
Antenna size:





Antenna Specification:

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



Antenna Efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency (dB)
2400	1.433	59.329%	-2.717	-2.267
2410	0.927	51.861%	-3.416	-2.852
2420	0.829	52.112%	-3.166	-2.831
2430	0.881	49.299%	-3.258	-3.072
2440	1.192	50.672%	-3.144	-2.952
2450	1.688	53.067%	-2.735	-2.752
2460	2.194	59.423%	-2.276	-2.260
2470	2.118	56.680%	-2.438	-2.466
2480	2.499	61.727%	-2.112	-2.095
Average	1.529	54.908%	-2.806	-2.616
Peak	2.499	61.727%	-2.112	-2.095

2D-Theta

2D-Phi

DataLine

HeatMap

3D

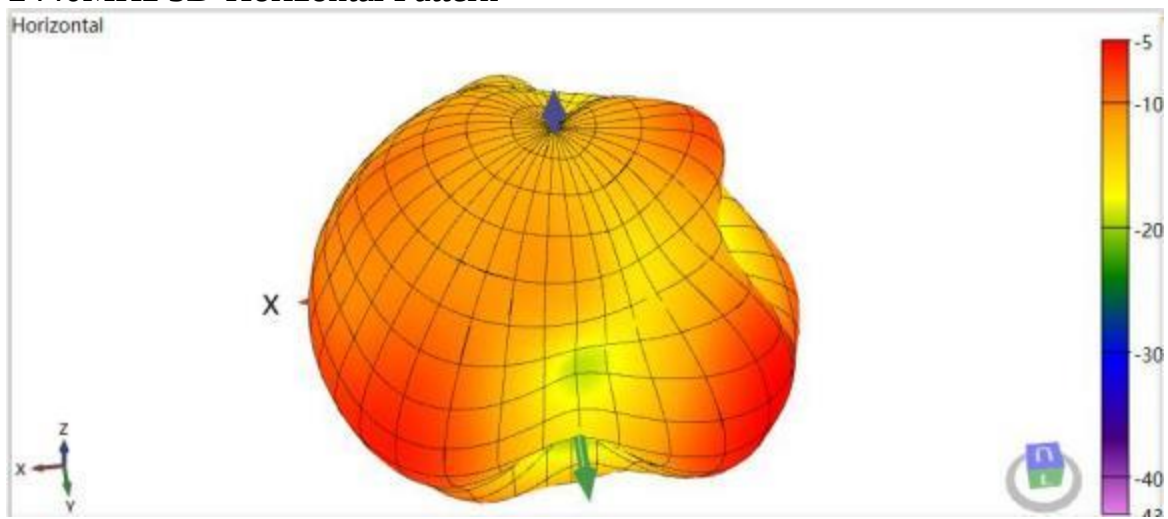
Legend:

- 45 Total
- 90 Total
- 135 Total
- 180 Total
- 225 Total
- 270 Total
- 315 Total

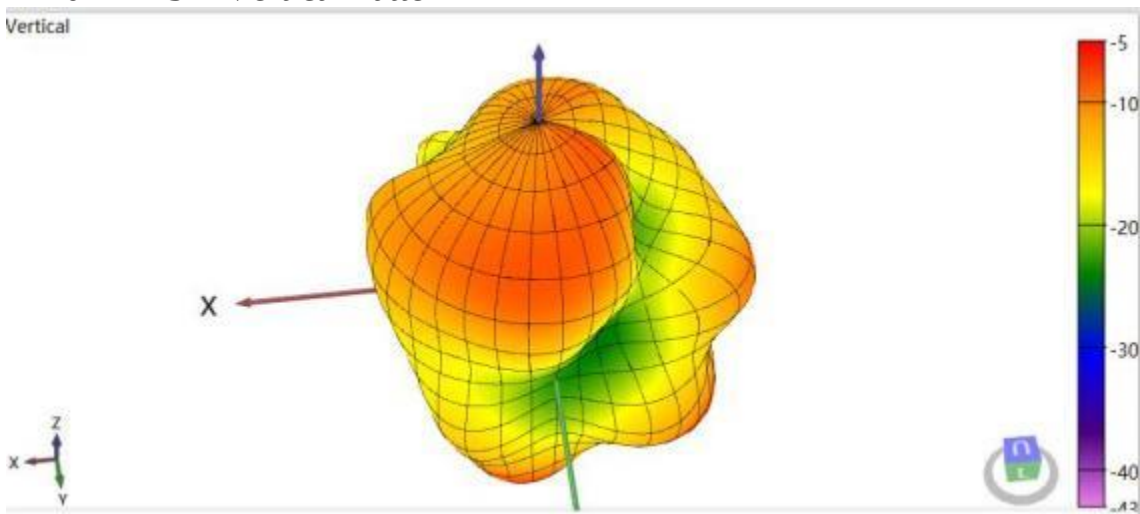
Curves labeled with coordinates (Phi, DataLine) and Total values:

- (180, 10) [Max Gain] 180, 4.764
- (270, 0) [Min Gain] 270, -3.760
- (315, -10) [Min Gain] 315, -6.564
- (225, -10) [Min Gain] 225, -6.564
- (135, 10) [Max Gain] 135, 4.764
- (90, 0) [Min Gain] 90, -3.760
- (45, 10) [Max Gain] 45, 4.764
- (0, 10) [Max Gain] 0, 4.764
- (315, 0) [Min Gain] 315, -3.760
- (270, 10) [Max Gain] 270, 4.764
- (225, 0) [Min Gain] 225, -3.760
- (180, -10) [Min Gain] 180, -6.564
- (135, -10) [Min Gain] 135, -6.564
- (90, 10) [Max Gain] 90, 4.764
- (45, 0) [Min Gain] 45, -3.760
- (0, 0) [Min Gain] 0, -3.760

2440MHz 3D-Horizontal Pattern



2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

