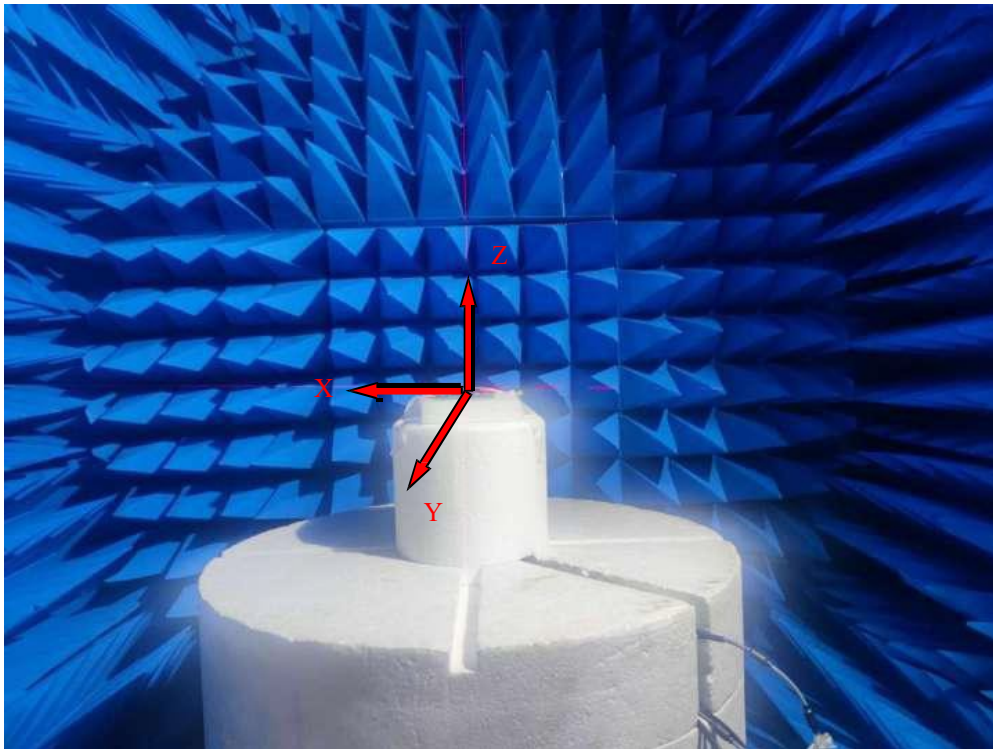


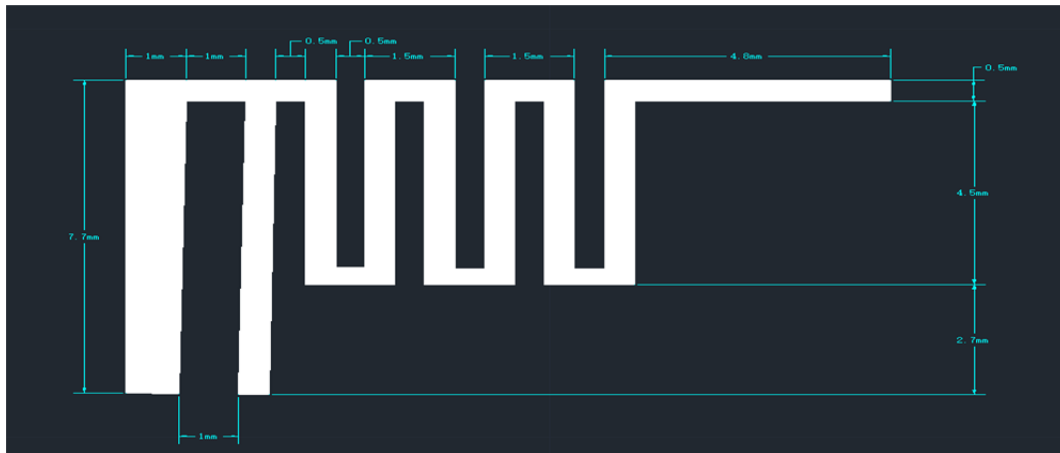
2.4G-2.48G PIFA Antenna Test Report

SPECIFICATIONS

Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.499
Average Gain (dBi)	> -4
VSWR	< 3.2
Impedance (Ω)	50 Ω
Antenna Type	PlannarInvertedFAntennaonboard
Polarization	Linear
Company name	Jiangsu Mulin Intelligence Electric Co., LTD
Company address	No. 6, Xiajia Road, Henglin Town, Economic Development Zone, Changzhou, Jiangsu, China



The physical dimensions of the antenna



Passive S parameters of the antenna :

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

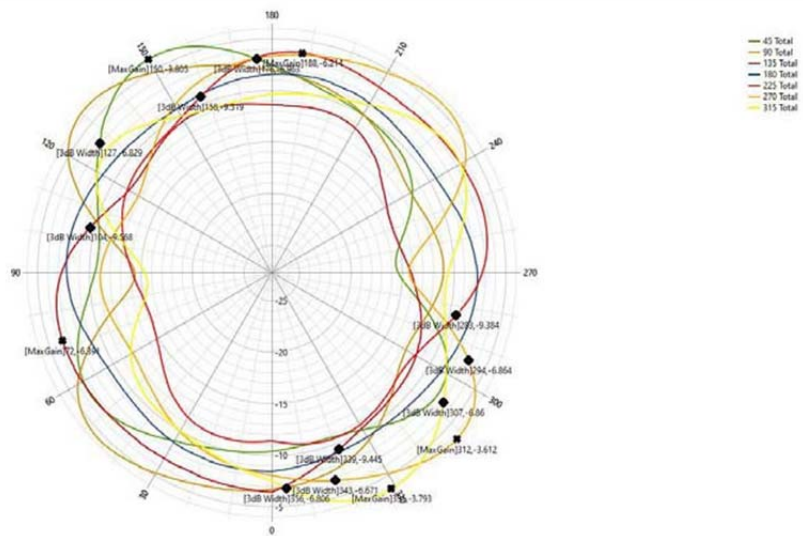


Antenna efficiency and gain

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

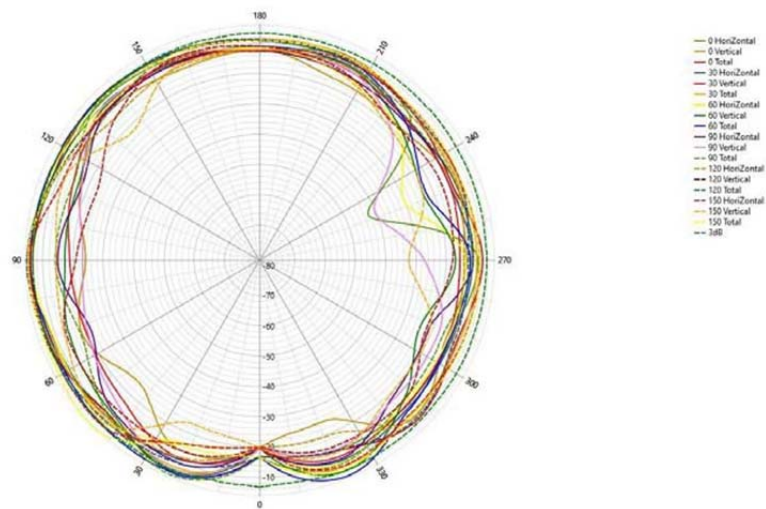
Antenna 2440MHz 2D-Theta Pattern

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

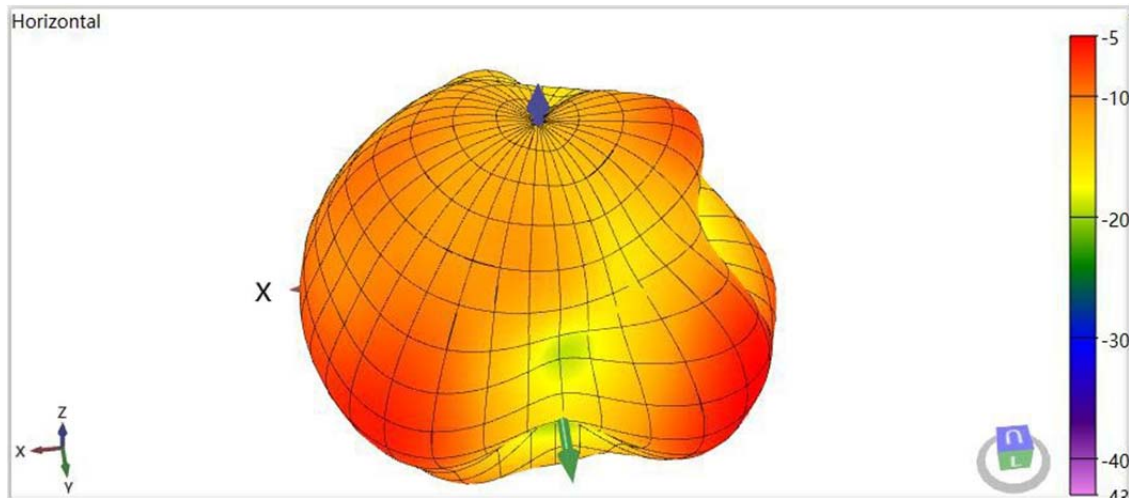


Antenna 2440MHz 2D-Phi Pattern

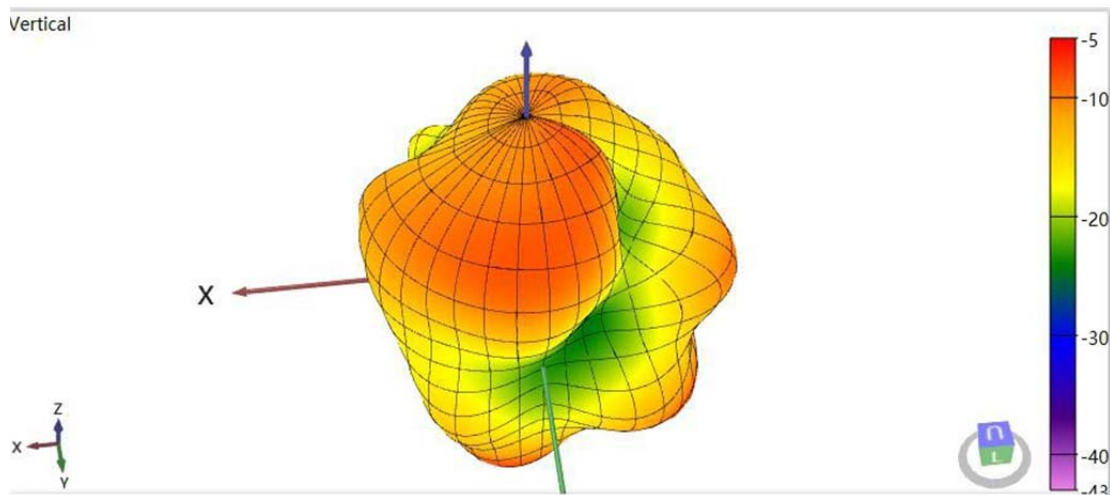
2D-Theta 2D-Line-Theta 2D-Phi 2D-Line-Phi DataLine HeatMap 3D



Antenna 2440MHz 3D-Horizontal Pattern



Antenna 2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

