

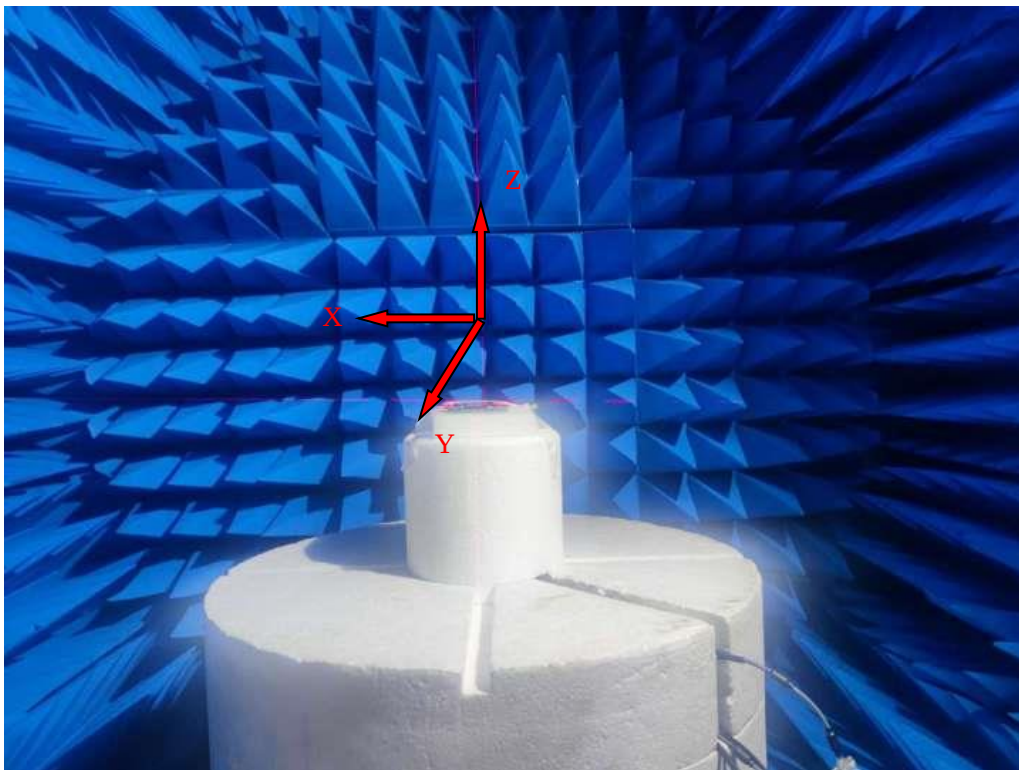
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Test Report on 2.4G-2.48G Band Onboard PIFA Antenna

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	-0.58dBi
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	PCB
Polarization	Linear
Model Name	PWE-2.4F

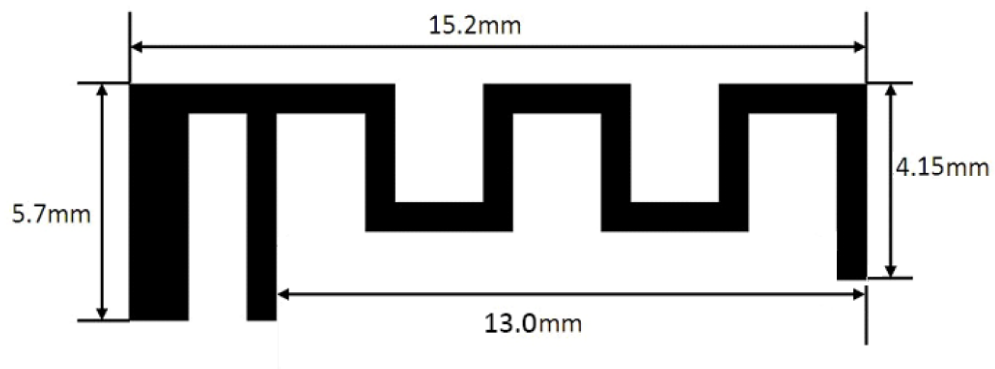
Testing environment: Zhongke Guoji darkroom testing system



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Antenna physical object And physical dimensions

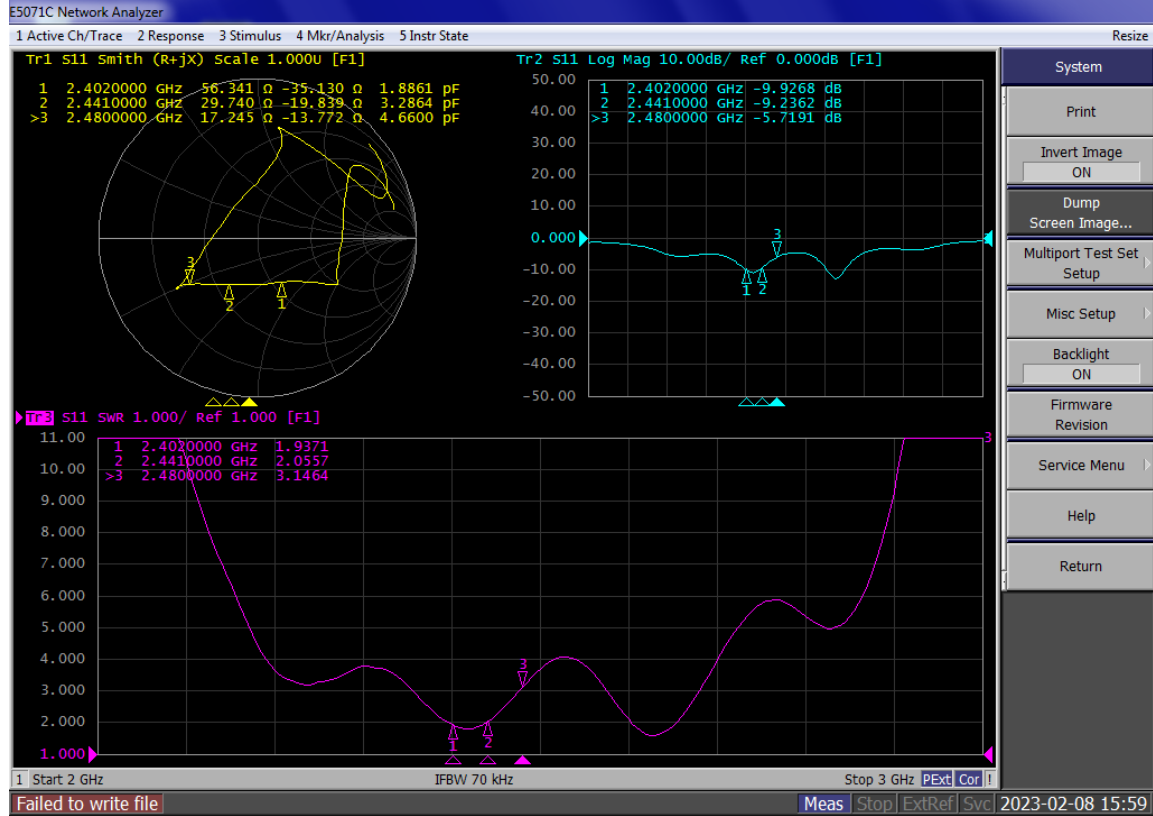


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Passive S parameters of antenna:

VSWR、Return Loss And Smith circle diagram



Antenna efficiency and gain

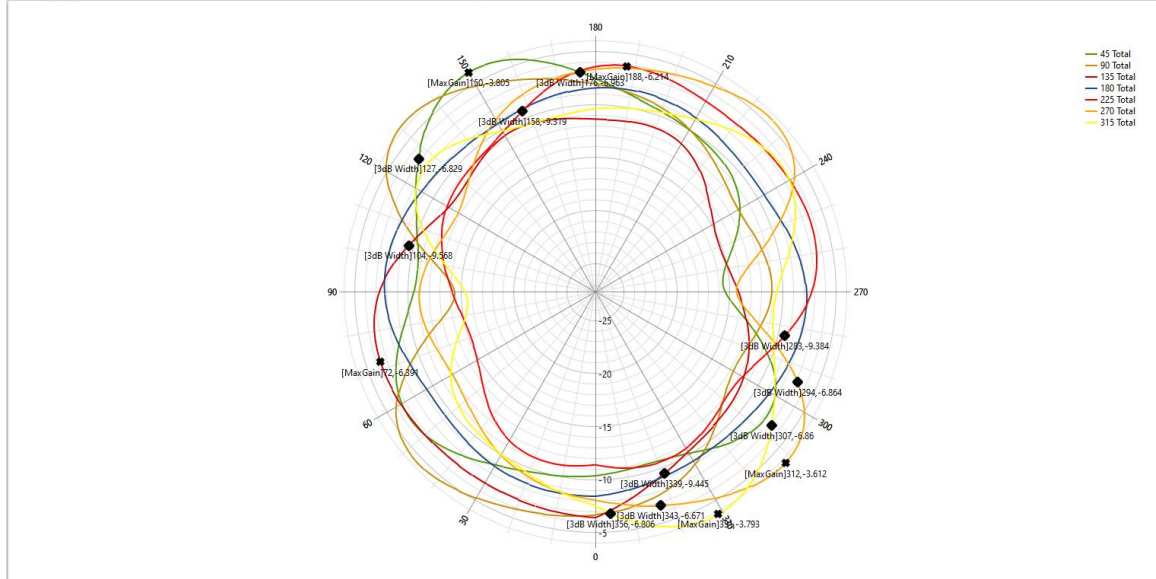
Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency (dB)
2400	-1.433	59.329%	-2.717	-2.267
2410	-0.927	51.861%	-3.416	-2.852
2420	-0.580	52.112%	-3.166	-2.831
2430	-0.881	49.299%	-3.258	-3.072
2440	-1.192	50.672%	-3.144	-2.952
2450	-1.688	53.067%	-2.735	-2.752
2460	-2.194	59.423%	-2.276	-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

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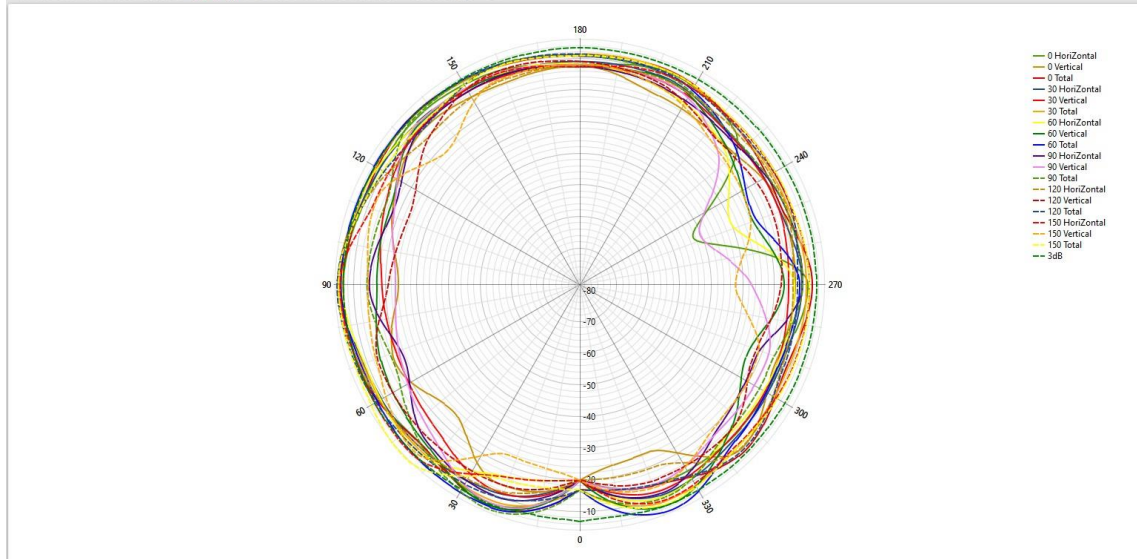
Antenna 2440MHz 2D-Theta Pattern

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



Antenna 2440MHz 2D-Phi Pattern

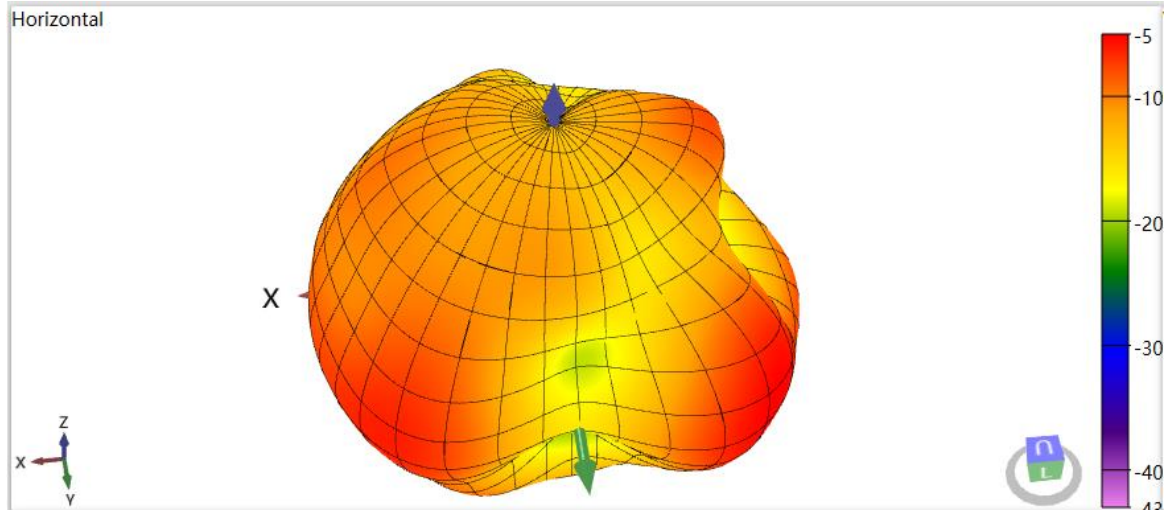
2D-Theta 2D-Line-Theta 2D-Phi 2D-Line-Phi DataLine HeatMap 3D



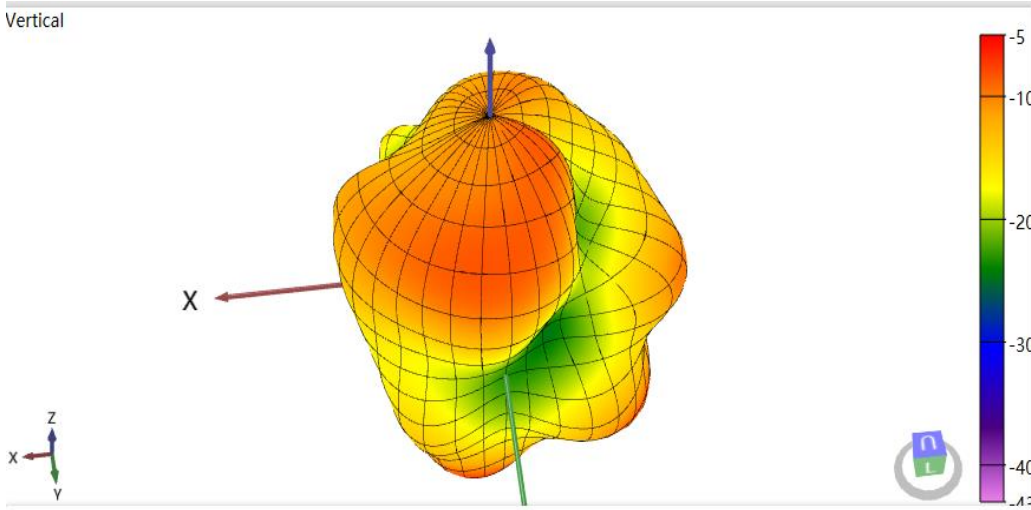
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Antenna 2440MHz 3D-Horizontal Pattern



Antenna 2440MHz 3D-Vertical Pattern



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2440MHz 3D-Total Pattern

