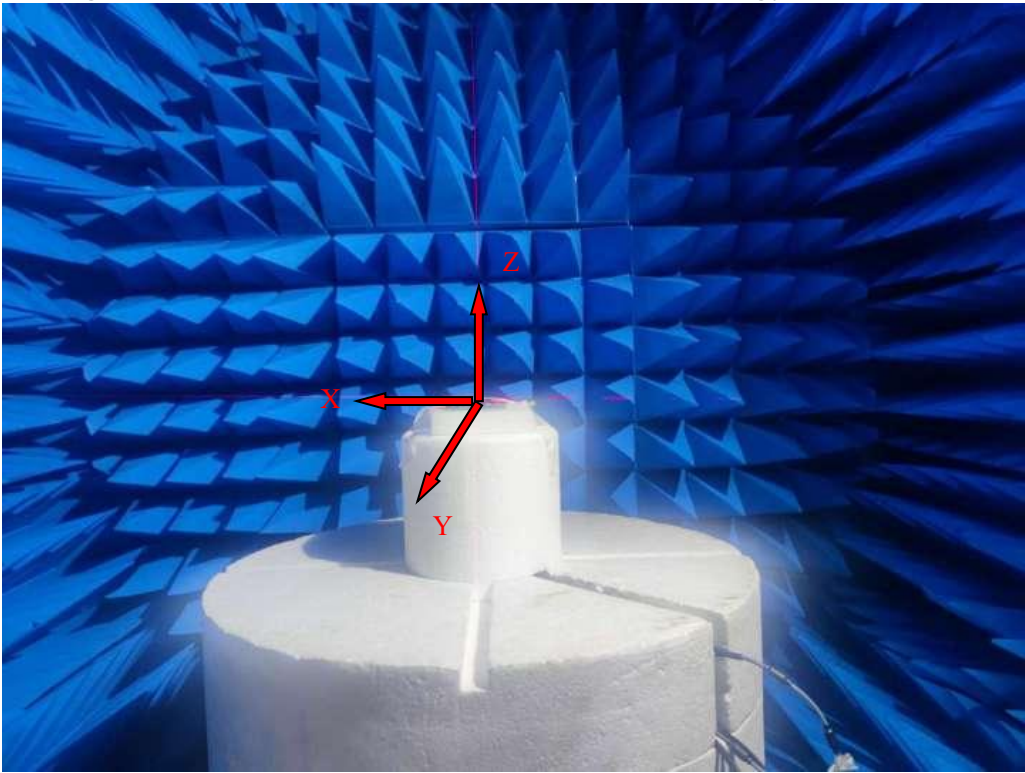


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2.4G-2.48G frequency bandOn the pcb boardPIFA
Antenna test report

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.499
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50Ω
Antenna Type	Plannar Inverted F Antenna on board
Model	2.4G PCB

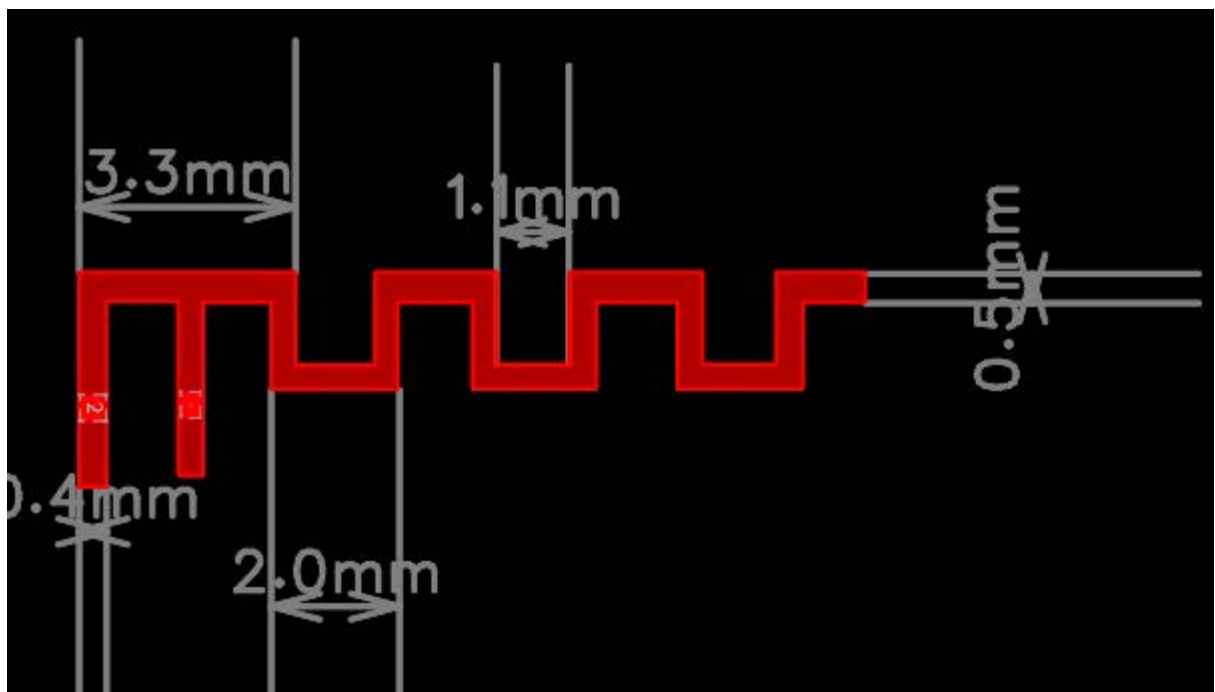
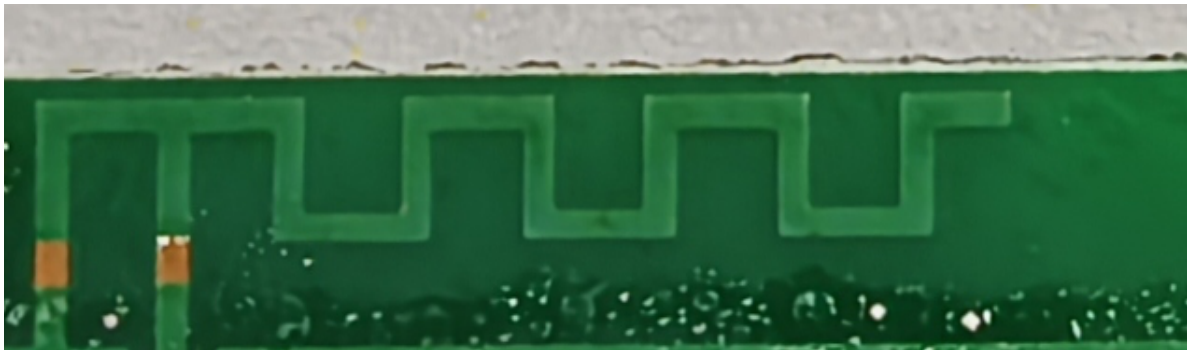
testing environment: China Science and technology darkroom test system



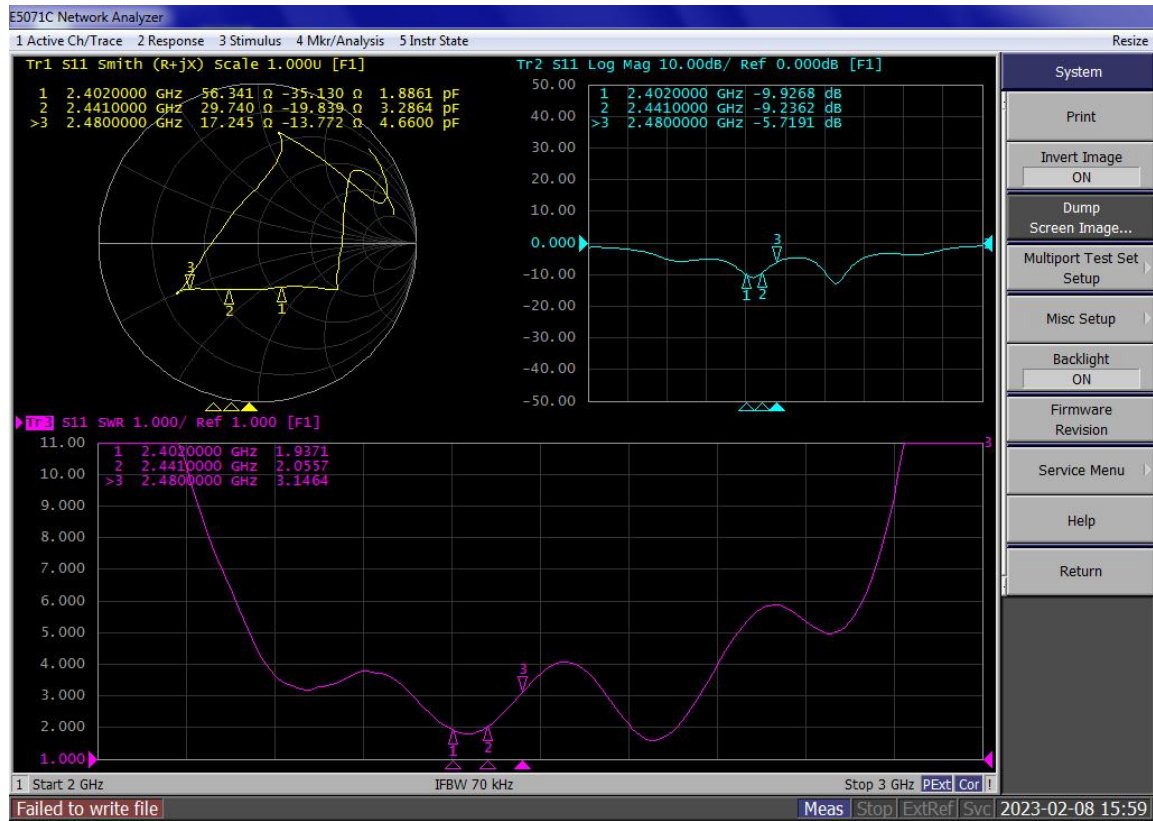
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Antenna physical and physical dimensions



Antenna passivity Sparameter: VSWR、Return Loss and smith chart

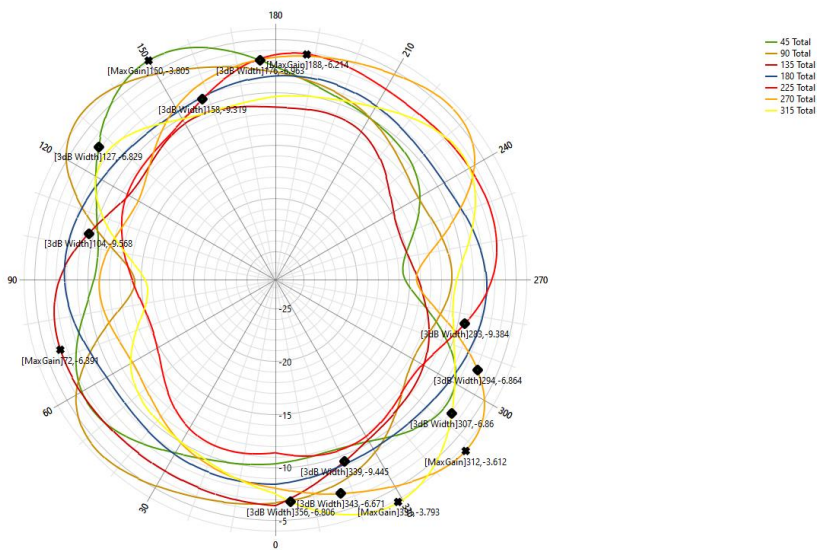


Antenna efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)	AverageGain (dBi)	Efficiency (dB)
2400	1.734	60.135%	-2.402	-2.209
2410	1.204	55.018%	-3.013	-2.595
2420	1.001	51.476%	-3.301	-2.884
2430	0.947	50.492%	-3.319	-2.968
2440	1.322	51.297%	-3.019	-2.899
2450	2.499	65.291%	-2.008	-1.851
2460	2.056	62.321%	-2.116	-2.054
2470	1.879	55.397%	-2.641	-2.565
2480	1.672	53.227%	-2.872	-2.739
Average	1.582	55.253%	-2.784	-2.576
Peak	2.499	65.291%	-2.008	-1.851

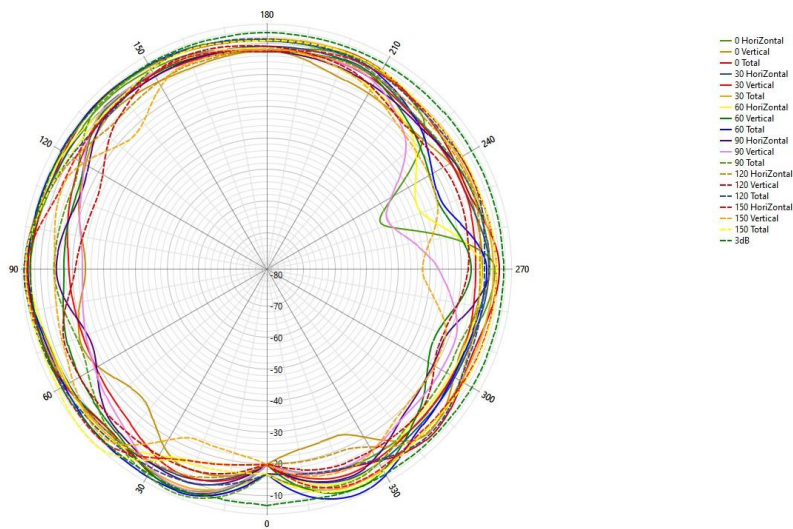
RF 2440MHz 2D-Theta Pattern

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

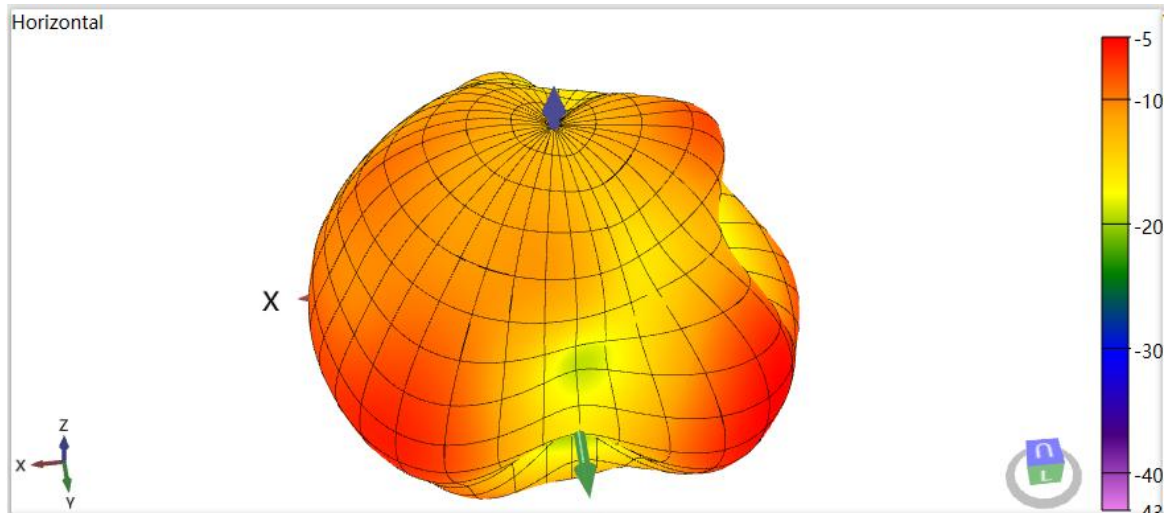


RF 2440MHz 2D-Phi Pattern

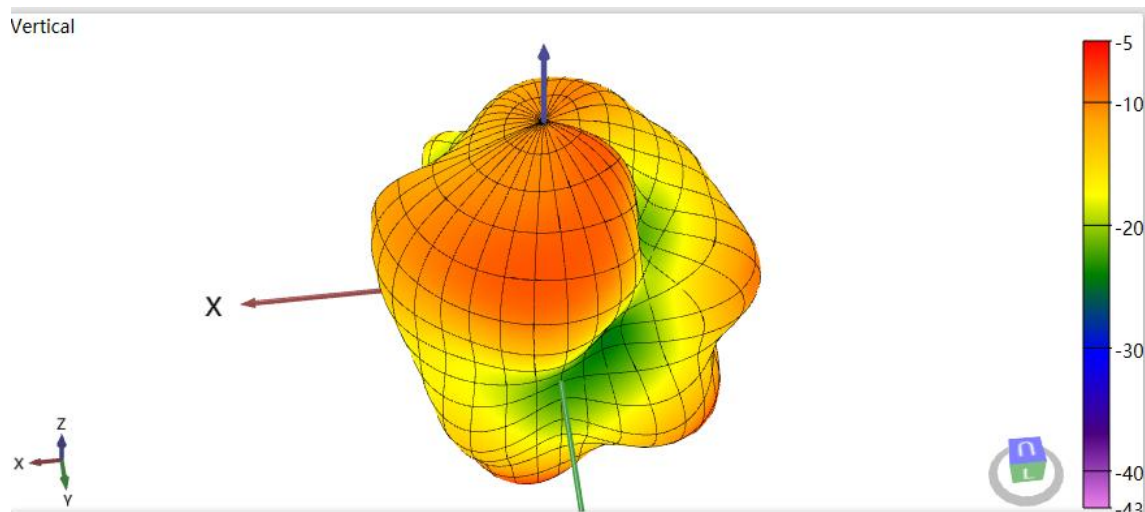
2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D



RF2440MHz 3D-Horizontal Pattern



RF 2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

