

2. 4G-2. 48G频段板载天线测试报告

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	0.0
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50 Ω
Antenna Type	Snake antenna
Polarization	Linear

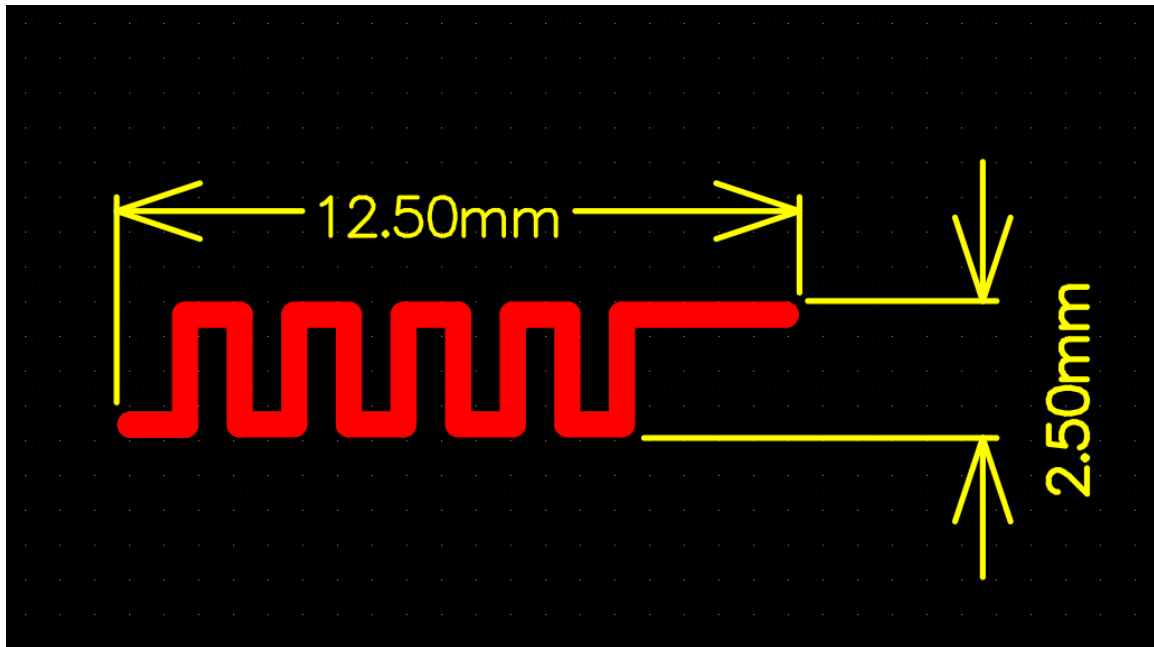
Test environment: Zhongke Guoju dark room test system



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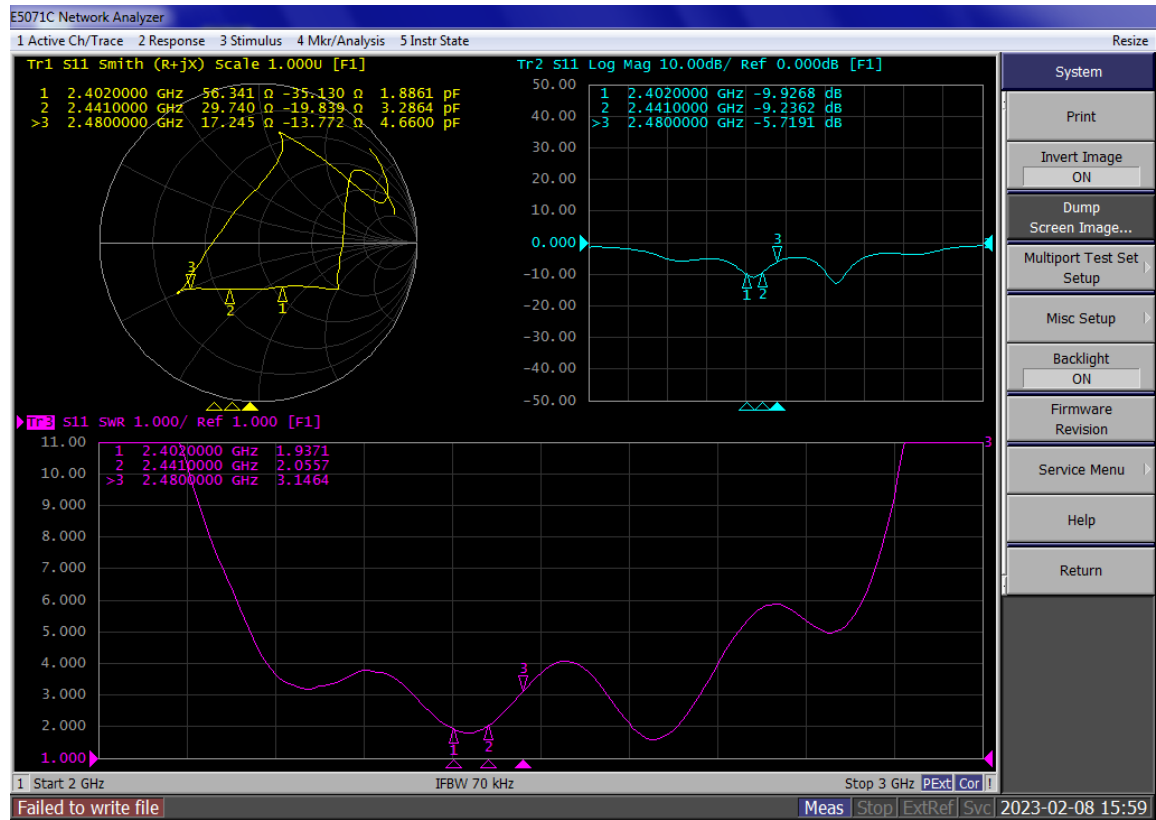
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Antenna physical and physical dimensions



天线无源S参数:

驻波比 (VSWR)、回波损耗 (Return Loss) 及史密斯圆图

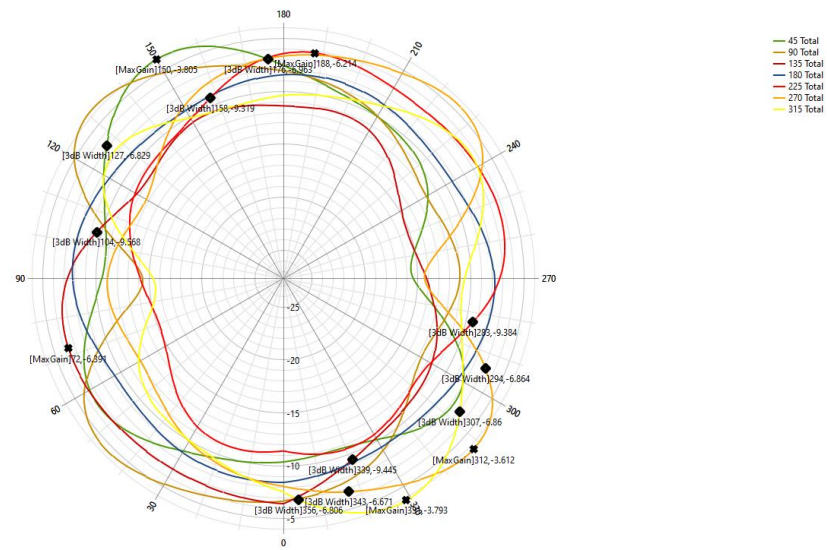


Antenna efficiency and gain

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	-0.00	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	0.0	61.727%	-2.112	-2.095

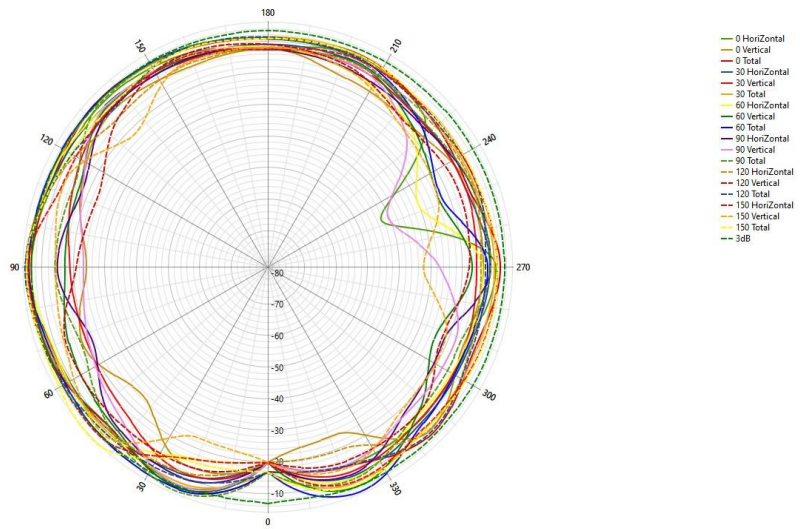
2440MHz 2D-Theta Pattern

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

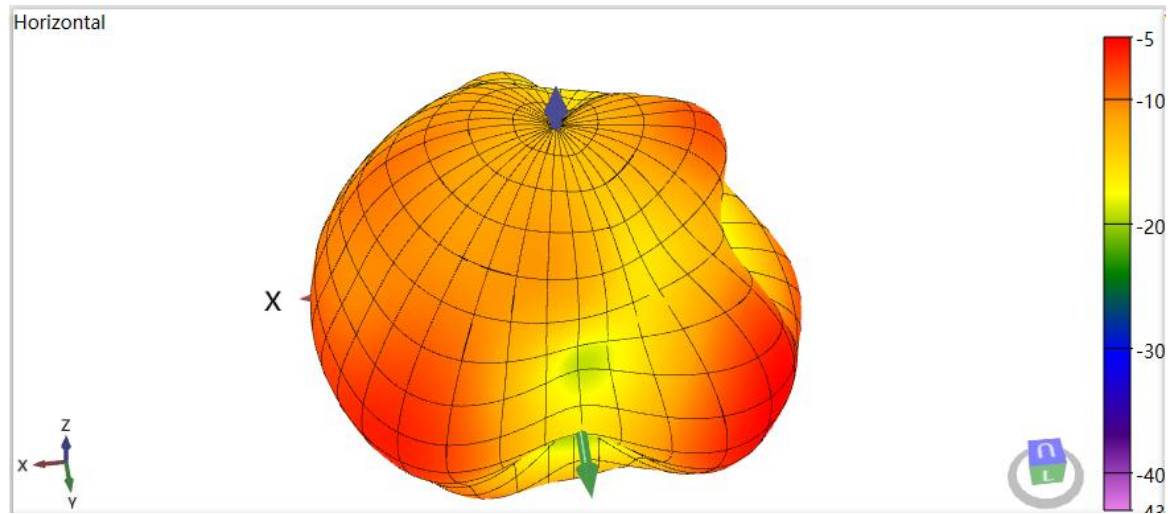


2440MHz 2D-Phi Pattern

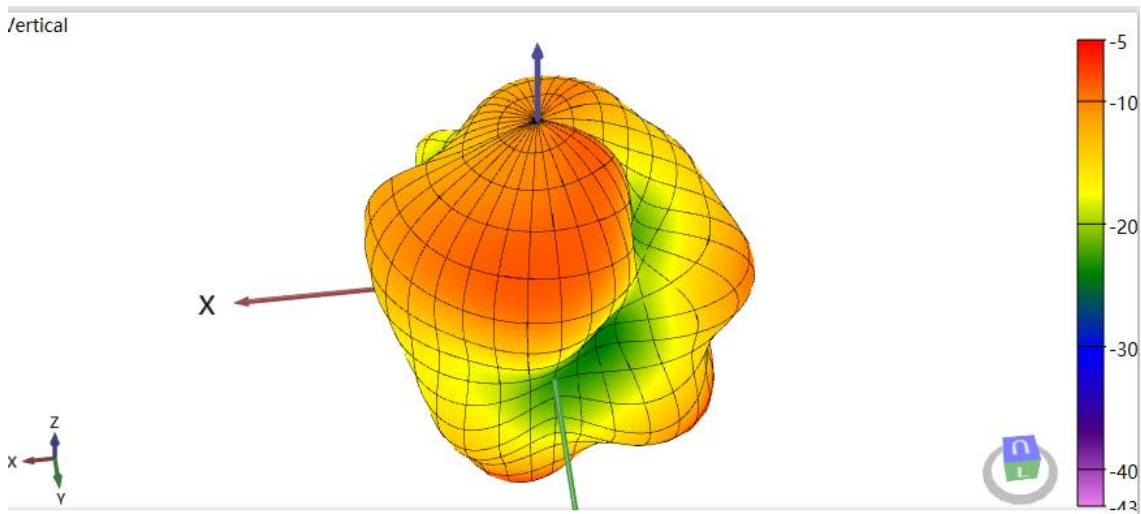
2D-Theta 2DLine-Theta 2D-Phi 2DLine-Phi DataLine HeatMap 3D



2440MHz 3D-Horizontal Pattern



2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

