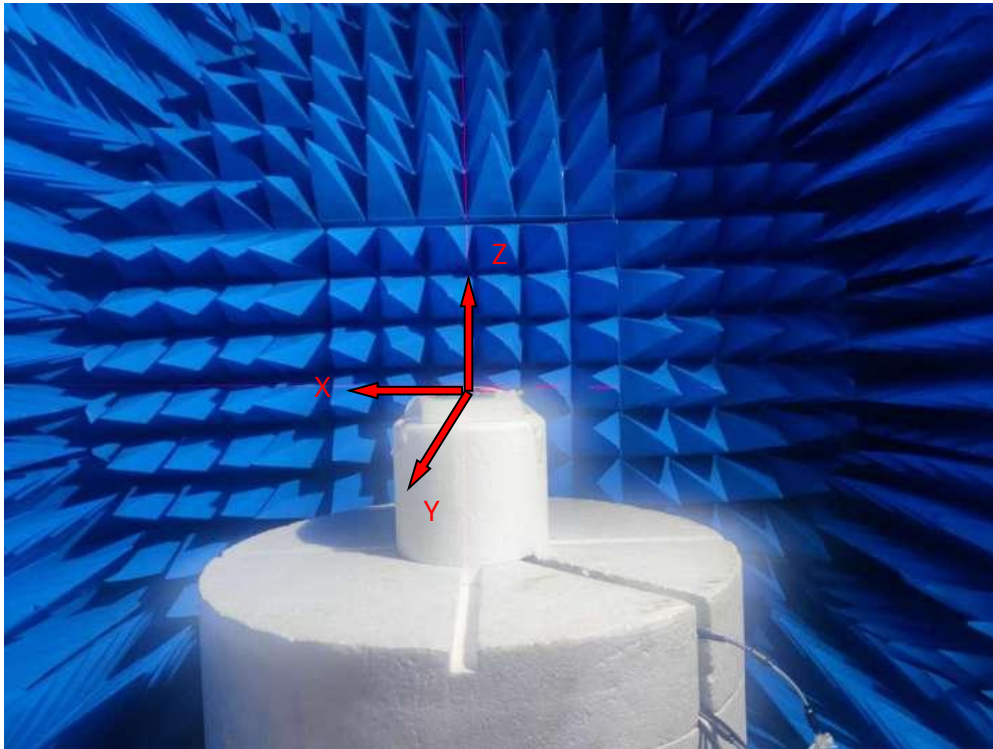


2.4G-2.48G Frequency band onboard Antenna testing

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

Test environment: Zhongke Guoji anechoic chamber testing system

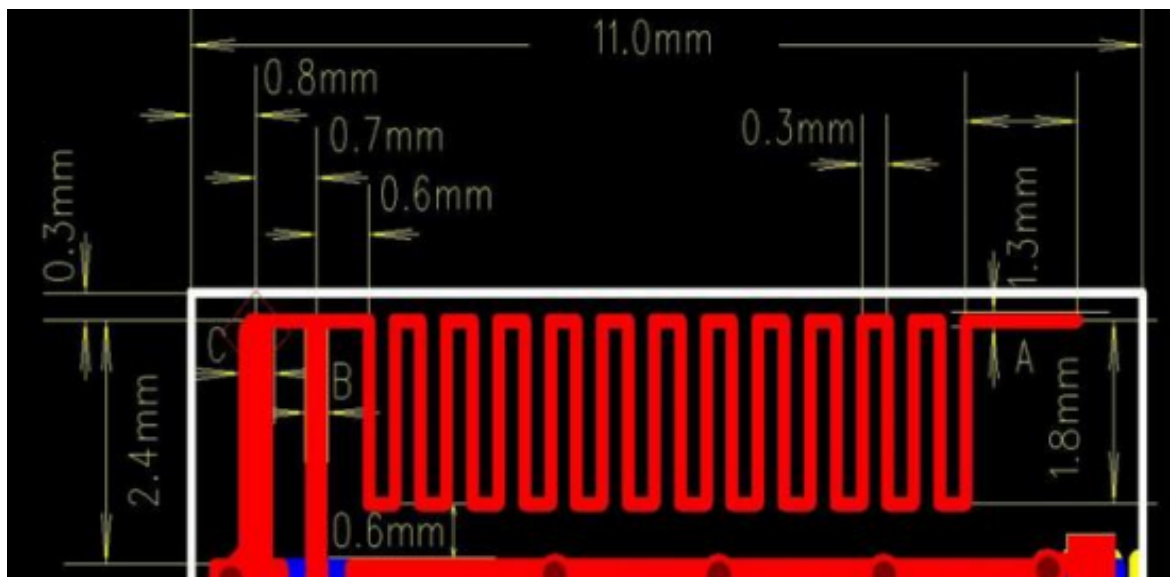
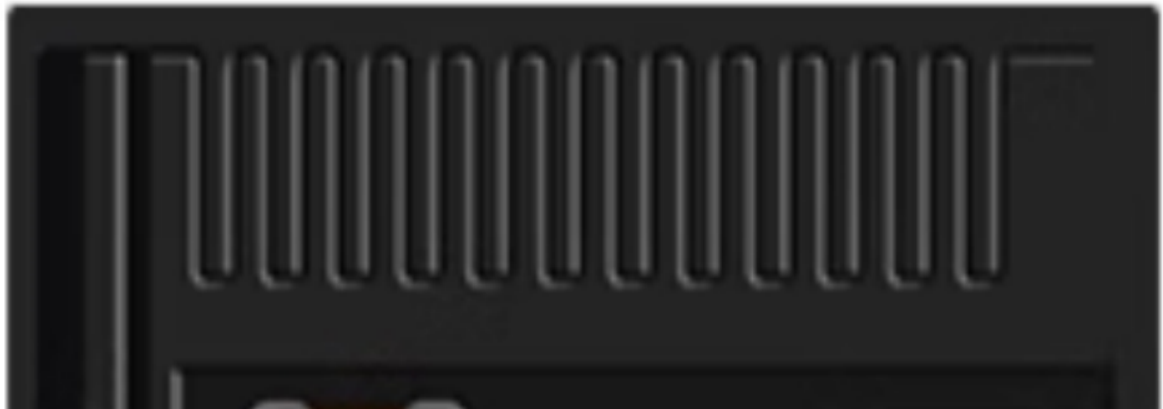


Manufacture: JLC Teechnology Group

Address : 27th Floor, Olympic Building, No. 2 Shangbao Road, Jinghua Community, Lianhua Street, Futian District, Shenzhen

Antenna Model : PCB-201

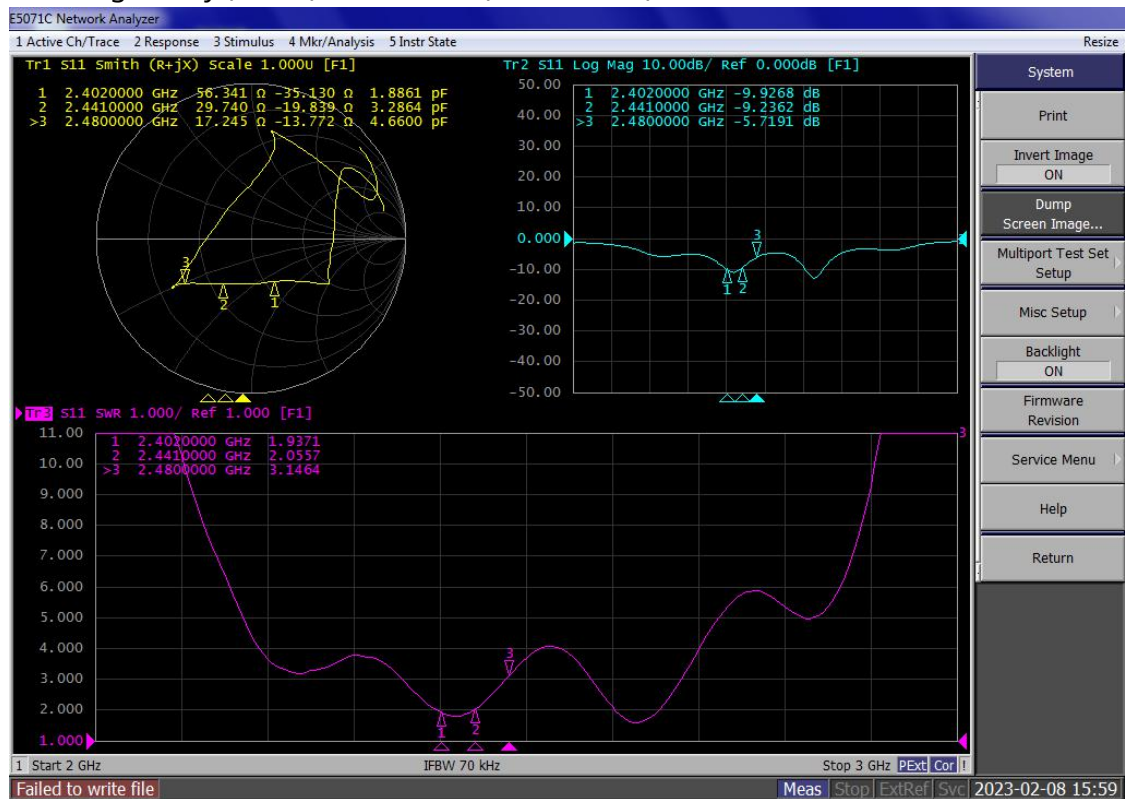
Antenna physical dimensions



天线线宽 A: 0.15mm; B: 0.25mm; C: 0.4mm

passive antennaSparameter:

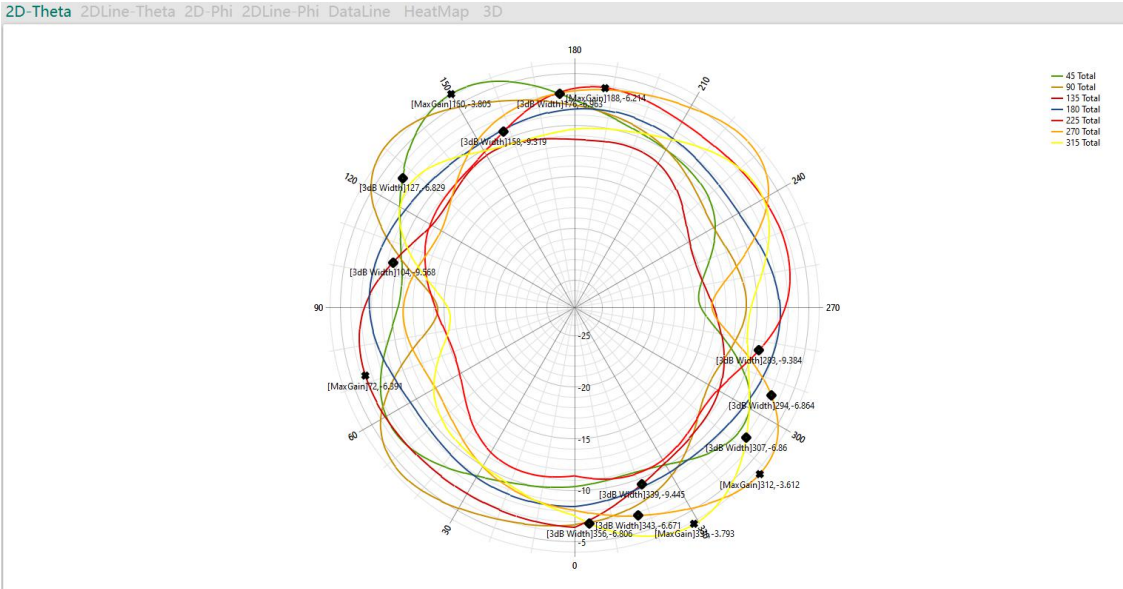
Standing Bobby (VSWR), return loss (Return Loss) and Smith chart



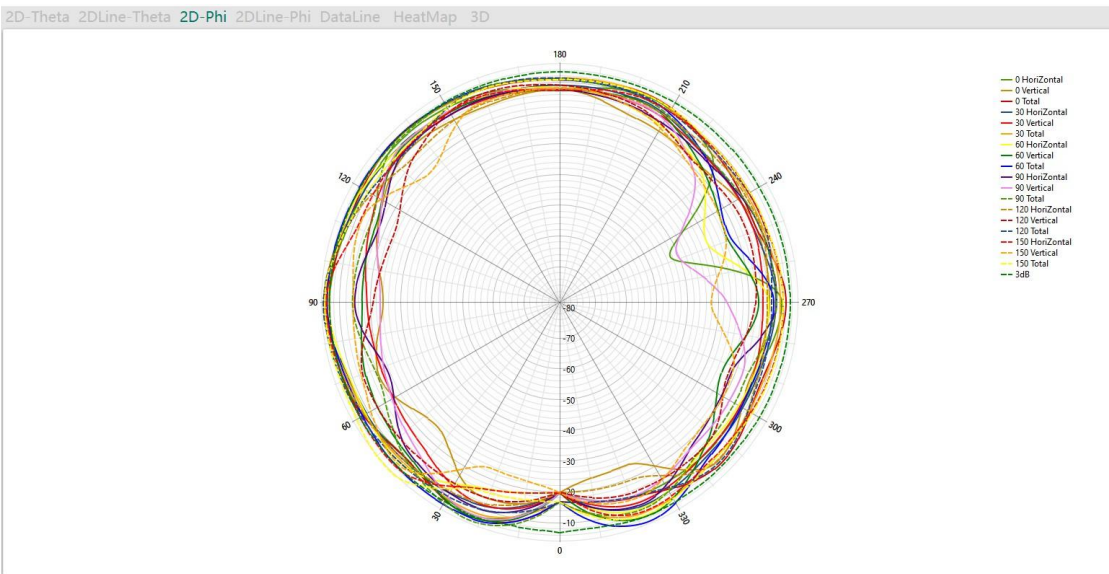
Antenna efficiency and gain

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

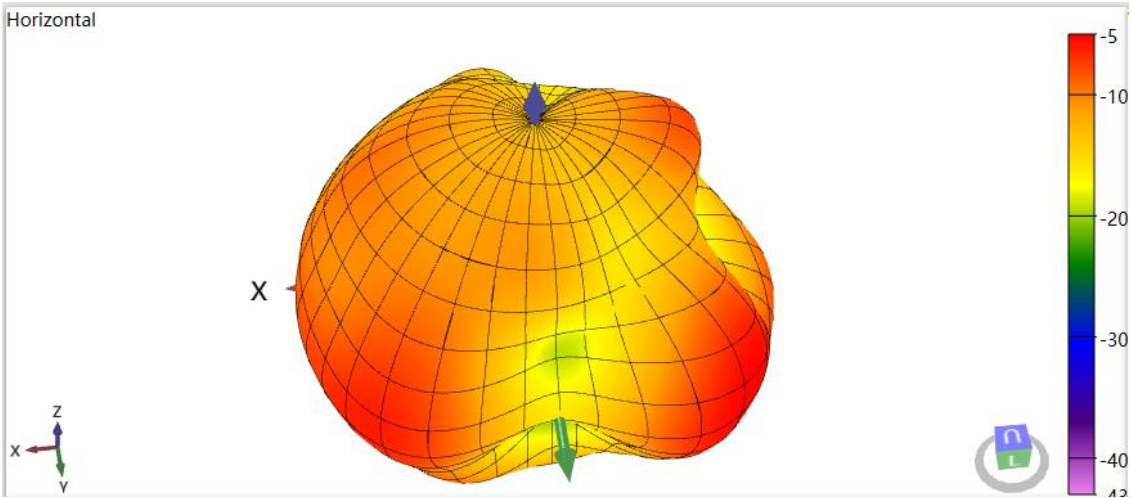
antenna2440MHz 2D-Theta Pattern



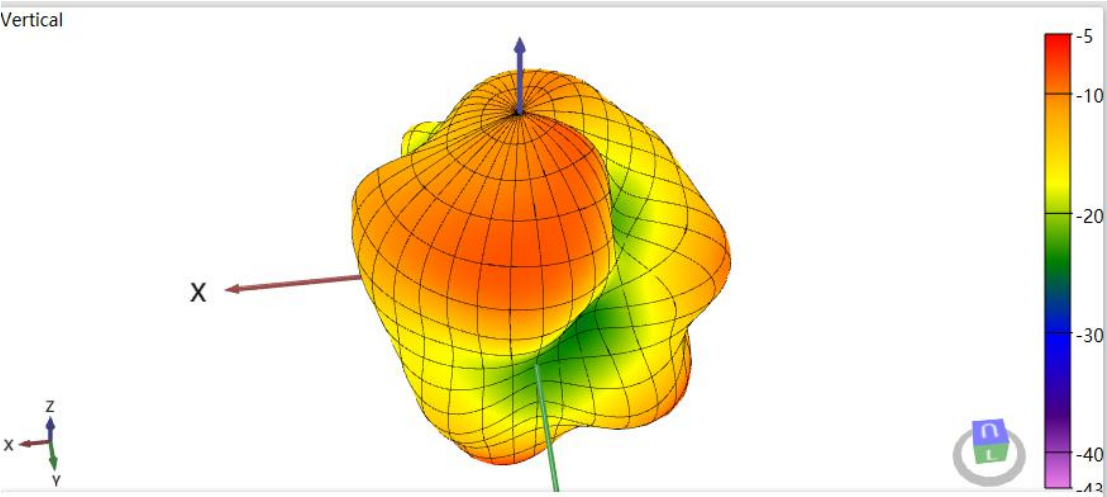
antenna2440MHz 2D-Phi Pattern



antenna2440MHz 3D-Horizontal Pattern



antenna2440MHz 3D-Vertical Pattern



2440MHz 3D-Total Pattern

