

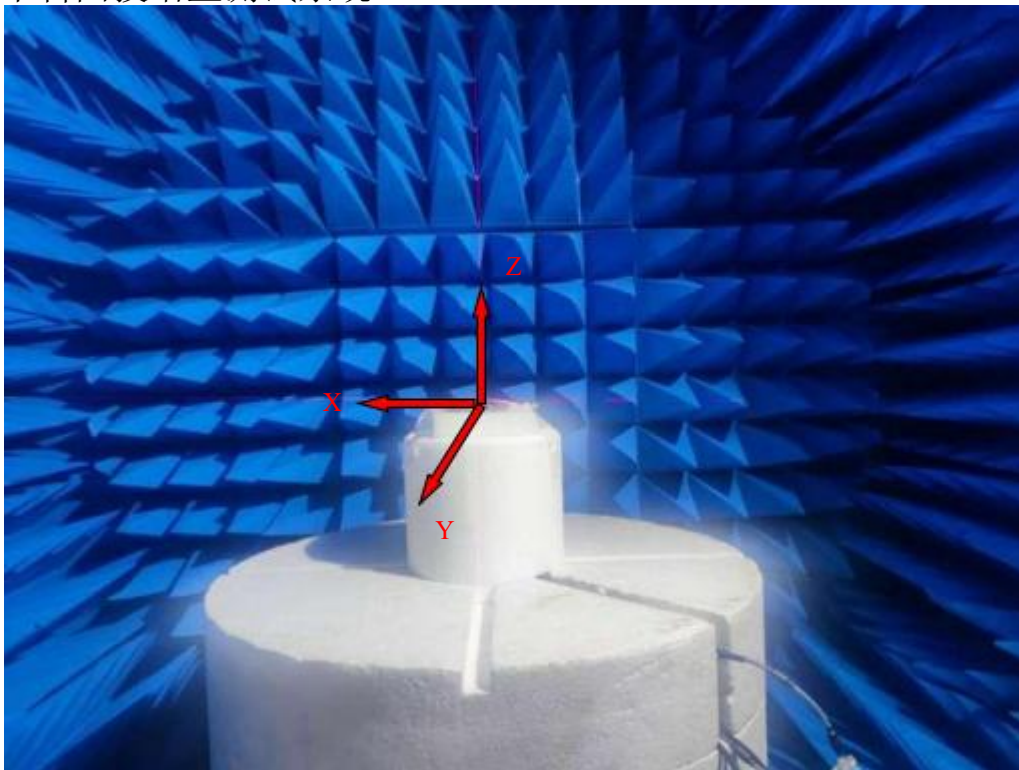
2.4G-2.48G 频段板载 PIFA 天线测试报告

1. Specification

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

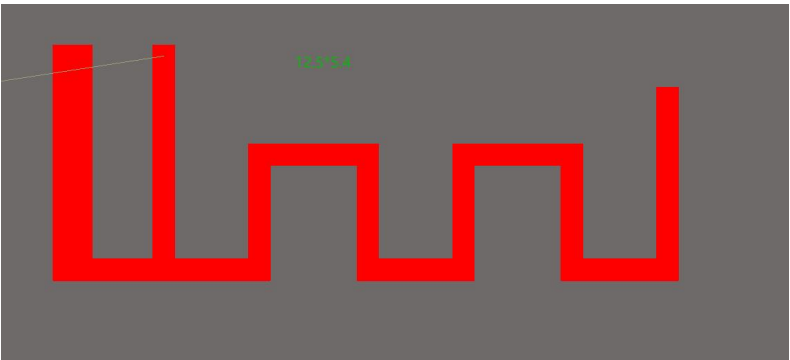
2. Test environment

中科国技暗室测试系统



Manufacturer: Puke(Qingxin)Circuit Board Co.,Ltd.
Manufacturer Address: Qingyuan city Qingxin County
Shantang industrial Park
Antenna Model: 2.4G ANT

3. 天线实物及尺寸 (ANT Dimension)



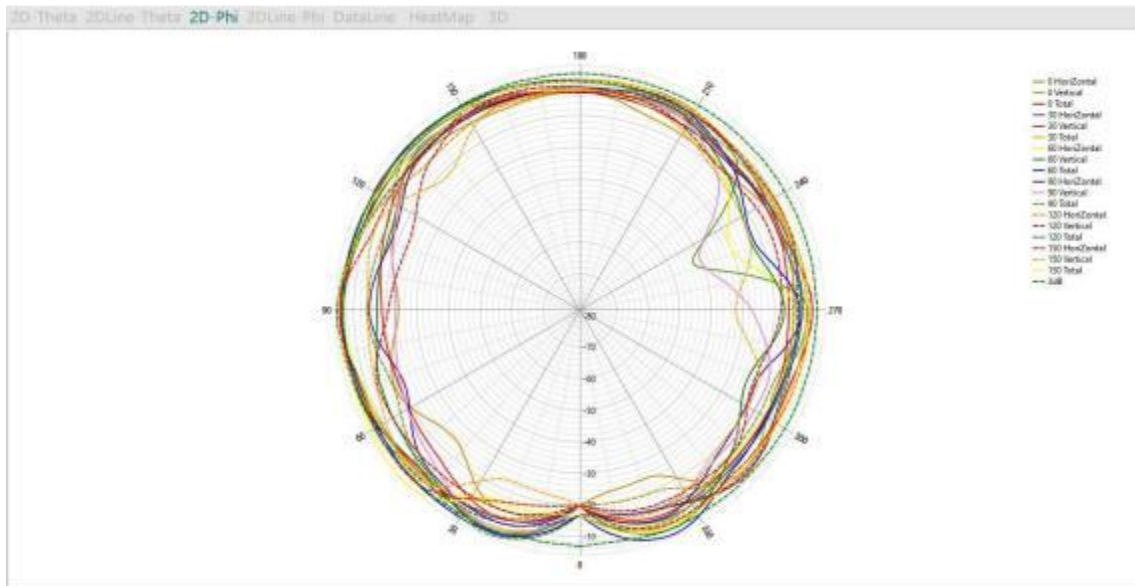
4. 天线有源测试数据 (Antennaactivetestdata)

Frequency (MHz)	Gain (dBi)	Effciency (%)	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

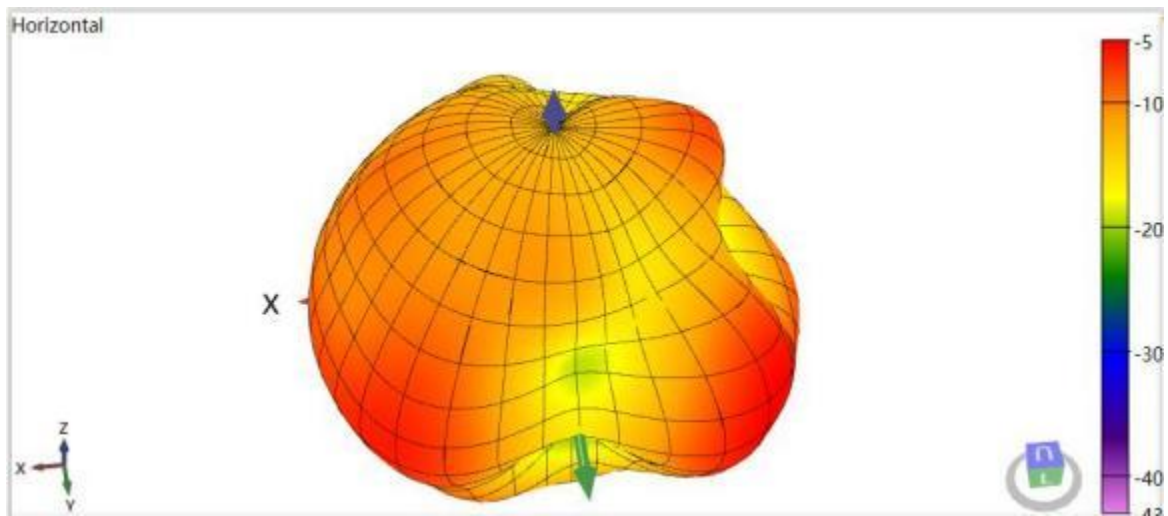
5. 天线驻波比 (Antennastanding wave ratio):

驻波比 (VSWR)回波损耗 (Return Loss)及史密斯圆图 (Smith Chart)

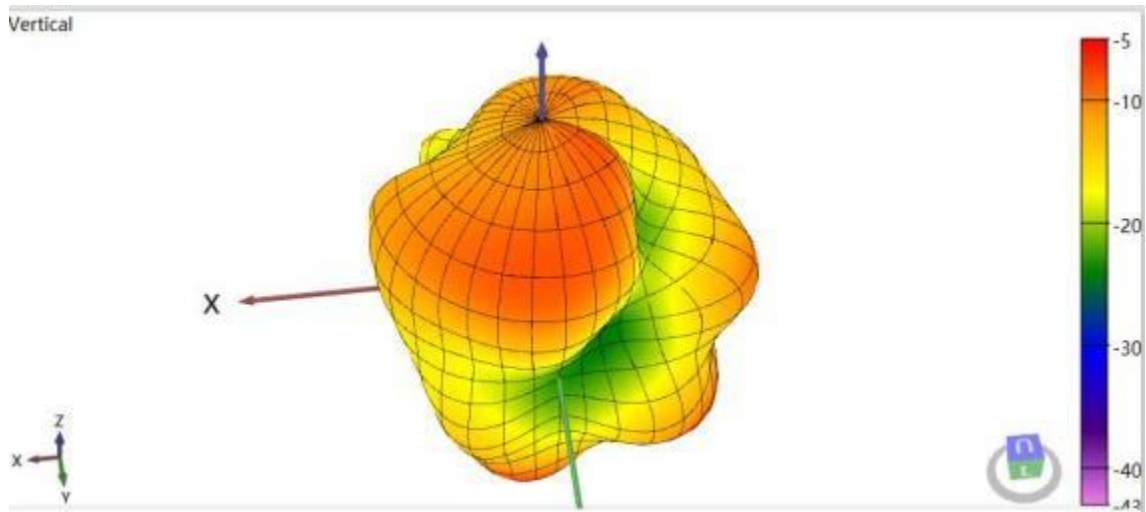
7. 天线/ANT 2440MHz 2D-Phi Pattern



8. 天线/ANT 2440MHz 3D-Horizontal Pattern



9. 天线/ANT 2440MHz 3D-Vertical Pattern



10. 天线/ANT 2440MHz 3D-Total Pattern

