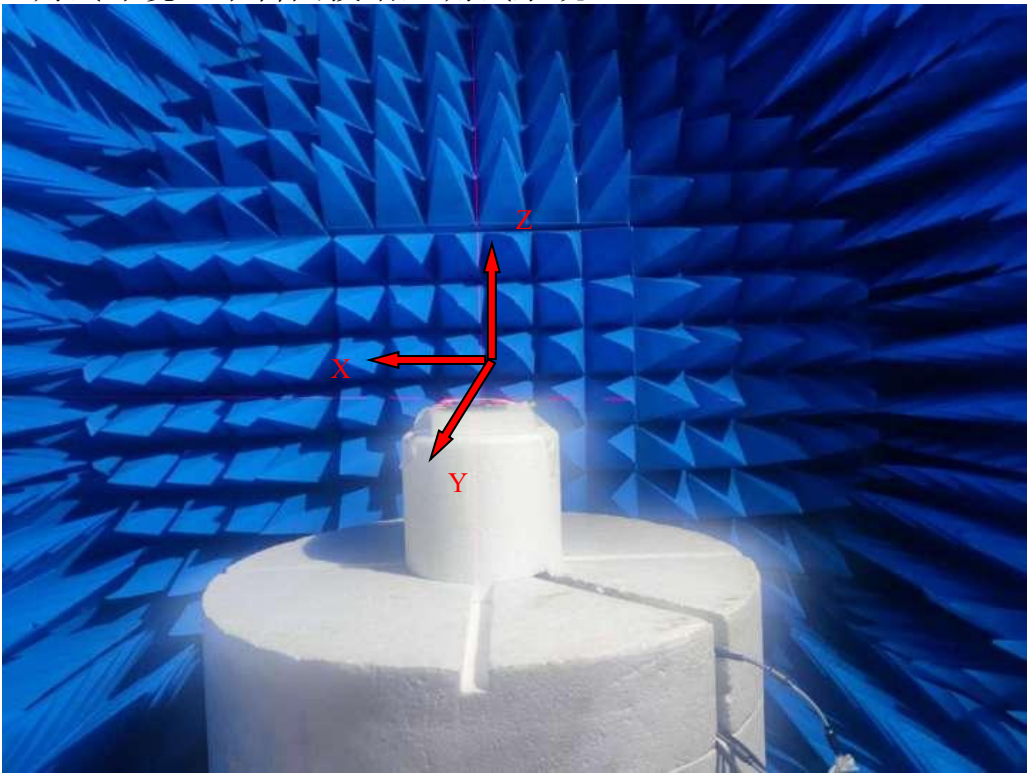


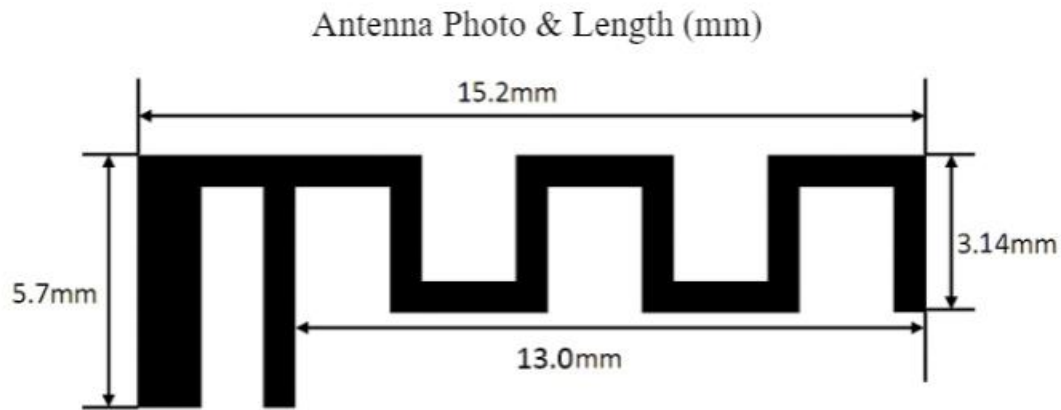
2.4G-2.48G 频段板载 PIFA 天线测试报告

Test Report on On-board PIFA Antenna in the 2.4G - 2.48G Frequency Band

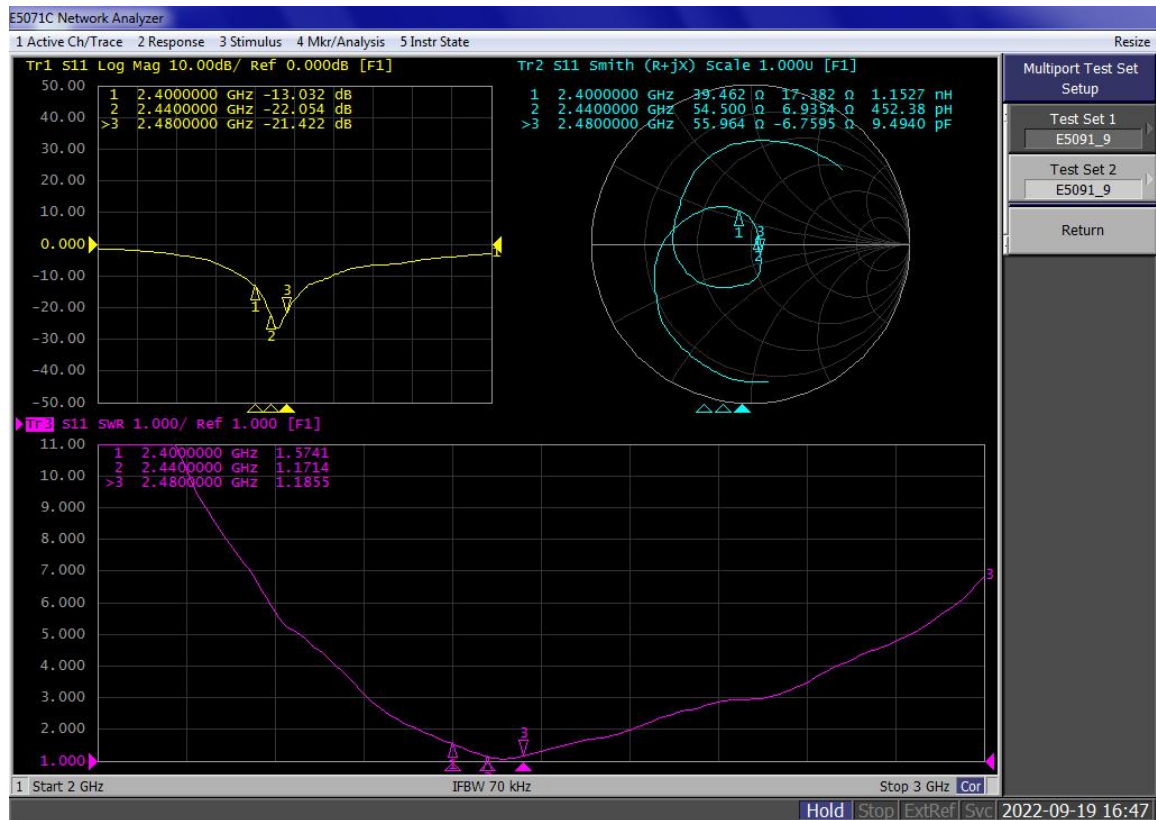
SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	2.92
Average Gain (dBi)	>-3
VSWR	<1.6
Impedance (Ω)	50 Ω
Antenna Type	Plannar Inverted F on board
Polarization	Linear
Manufacturer's address	Room 451, No. 47 Guanxiang, Gongshu District, Hangzhou City, Zhejiang Province
engineer	zhang yin bang

测试环境：中科国技暗室测试系统 Keyuan Guozhi darkroom testing system





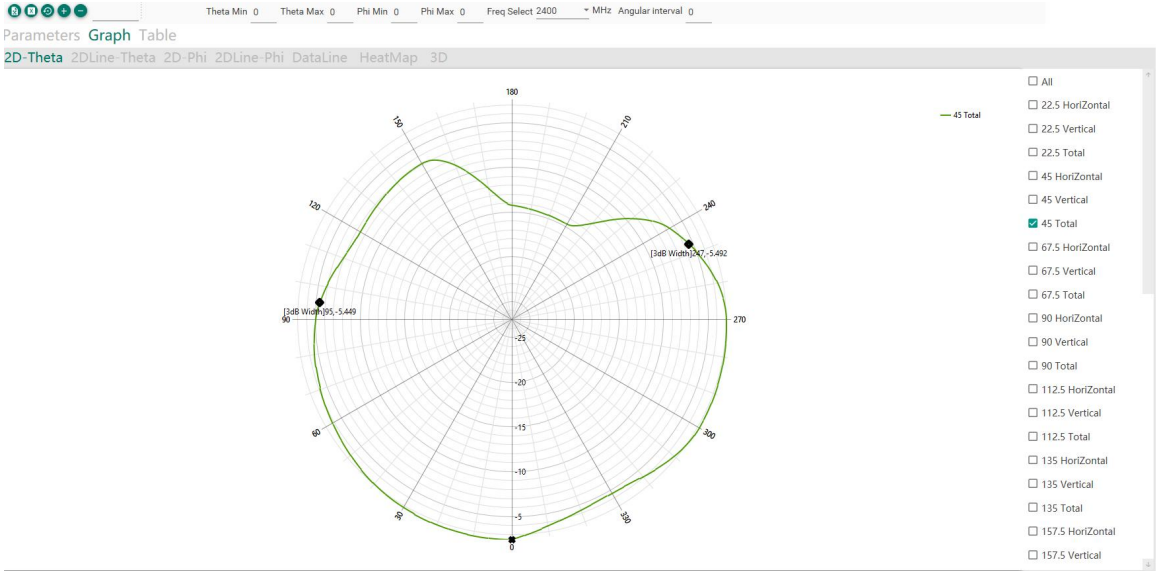
天线无源 S 参数：
驻波比（VSWR）、回波损耗（Return Loss）及史密斯圆图



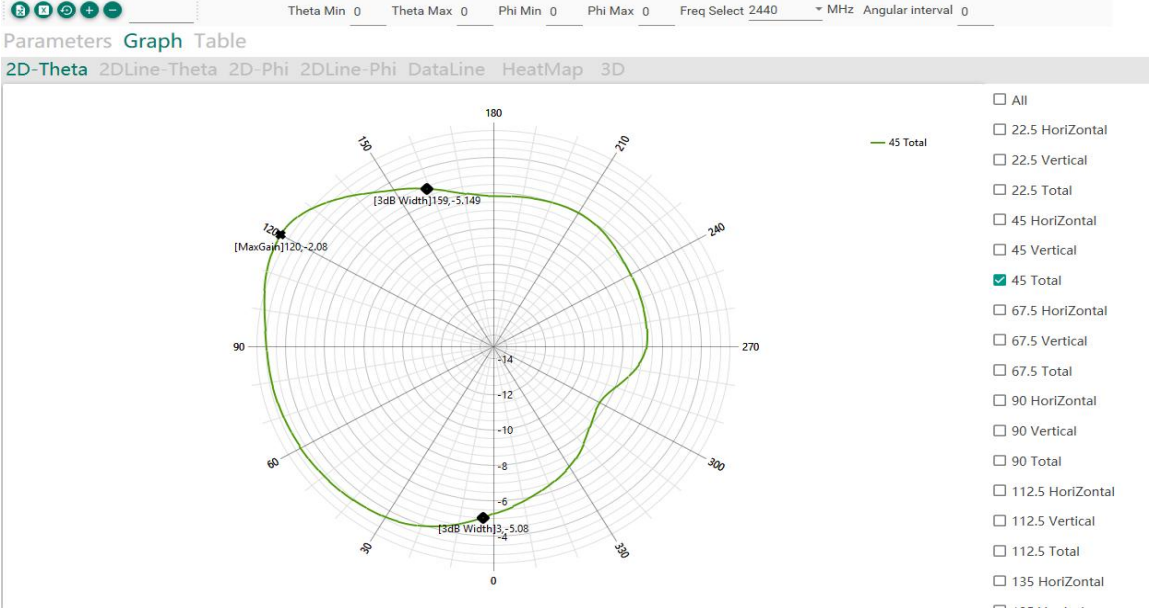
天线效率及增益

Frequency (MHz)	Gain (dBi)	Effciency (%)	AverageGain (dBi)	Efficiency (dB)
2400	2.92	72.20%	-1.14	-1.41
2410	1.95	61.36%	-2.05	-2.12
2420	2.00	61.00%	-1.98	-2.15
2430	0.80	47.29%	-3.09	-3.25
2440	0.12	40.82%	-3.87	-3.89
2450	0.97	48.41%	-3.08	-3.15
2460	1.28	53.80%	-2.81	-2.69
2470	1.29	51.75%	-2.98	-2.86
2480	1.79	58.79%	-2.45	-2.31
Average	1.46	55.05%	-2.61	-2.65
Peak	2.92	72.20%	-1.14	-1.41

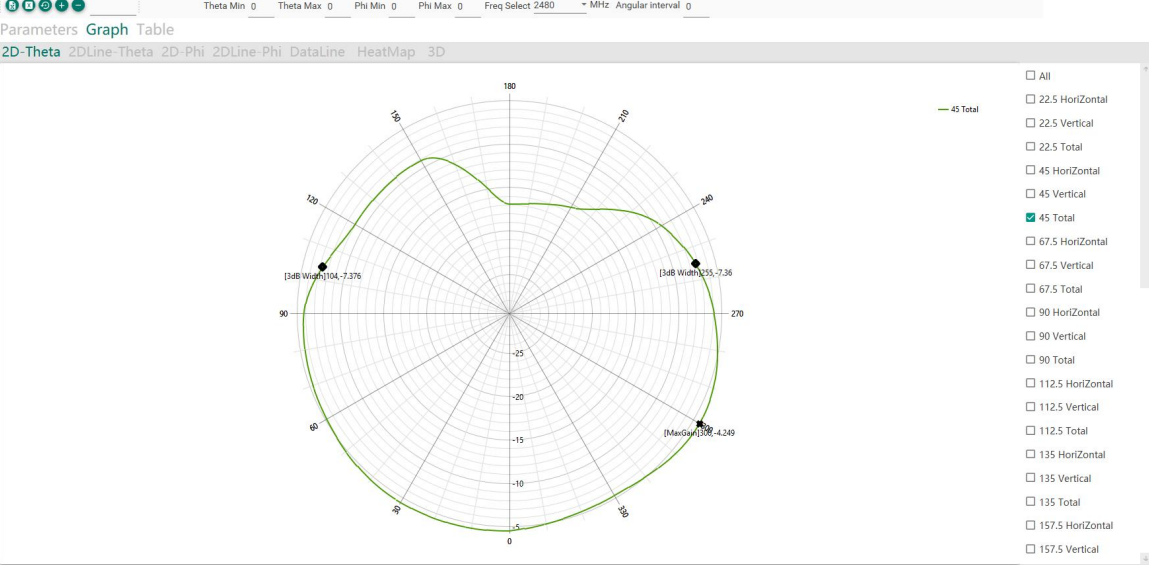
天线 2400MHz 2D-Theta Pattern



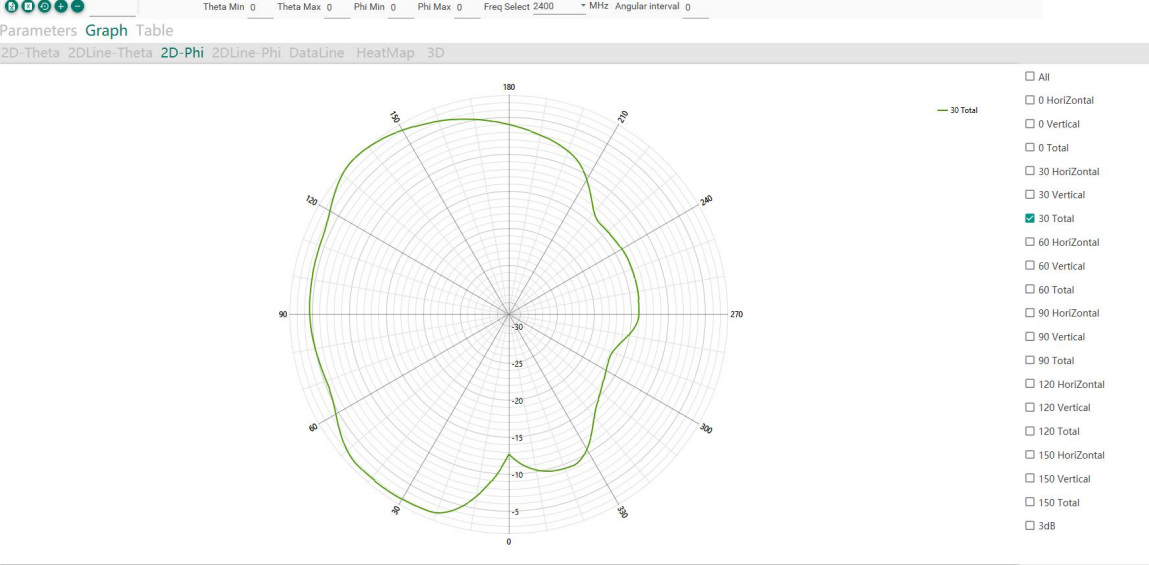
天线 2440MHz 2D-Theta Pattern



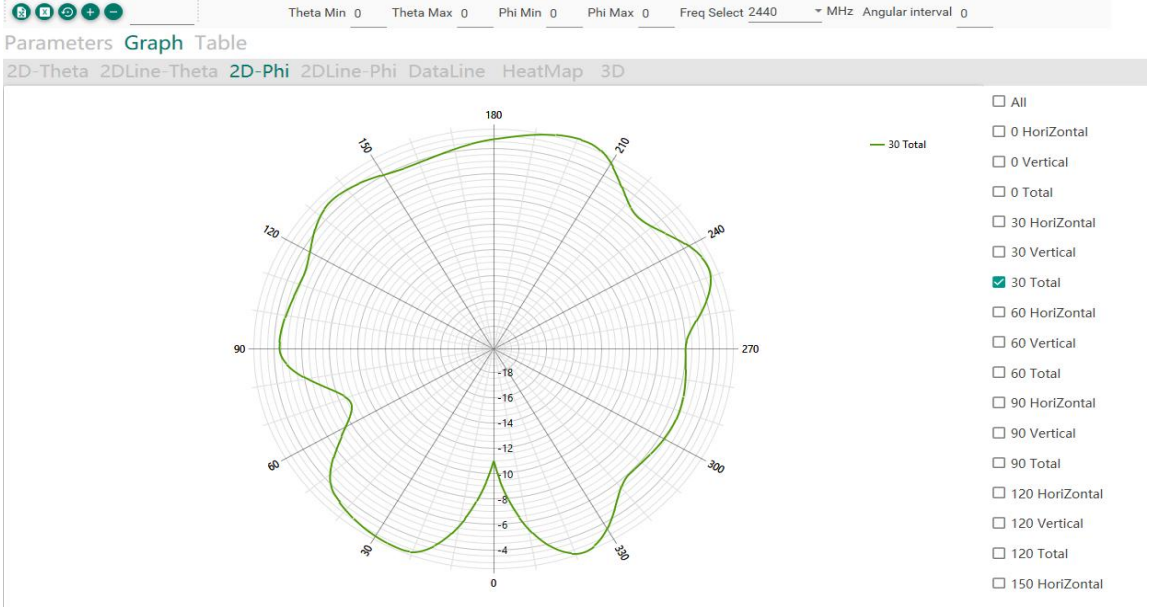
天线 2480MHz 2D-Theta Pattern



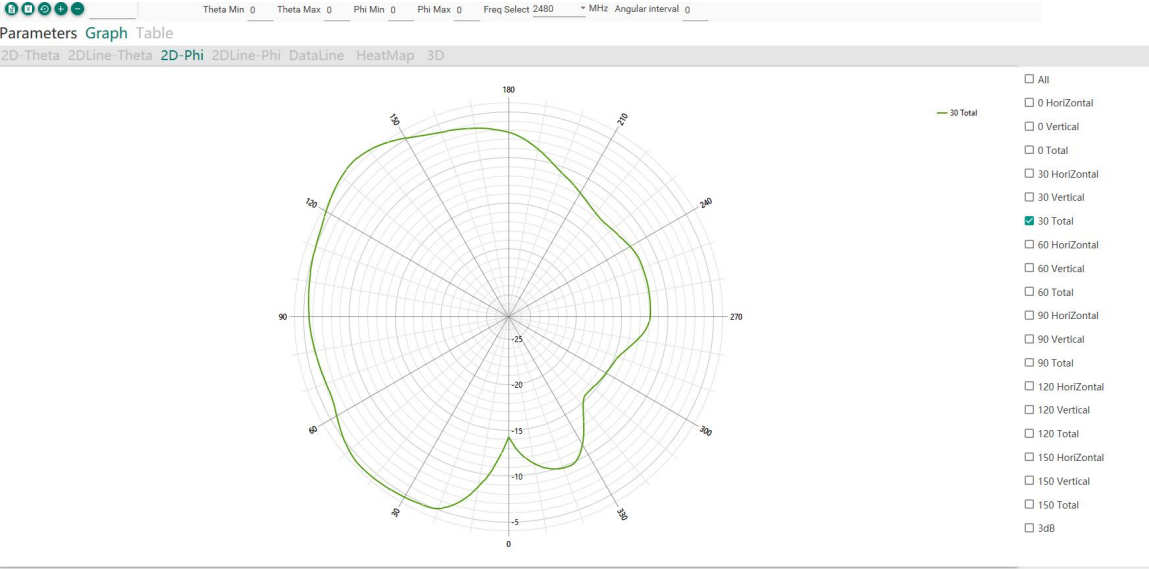
天线 2400MHz 2D-Phi Pattern



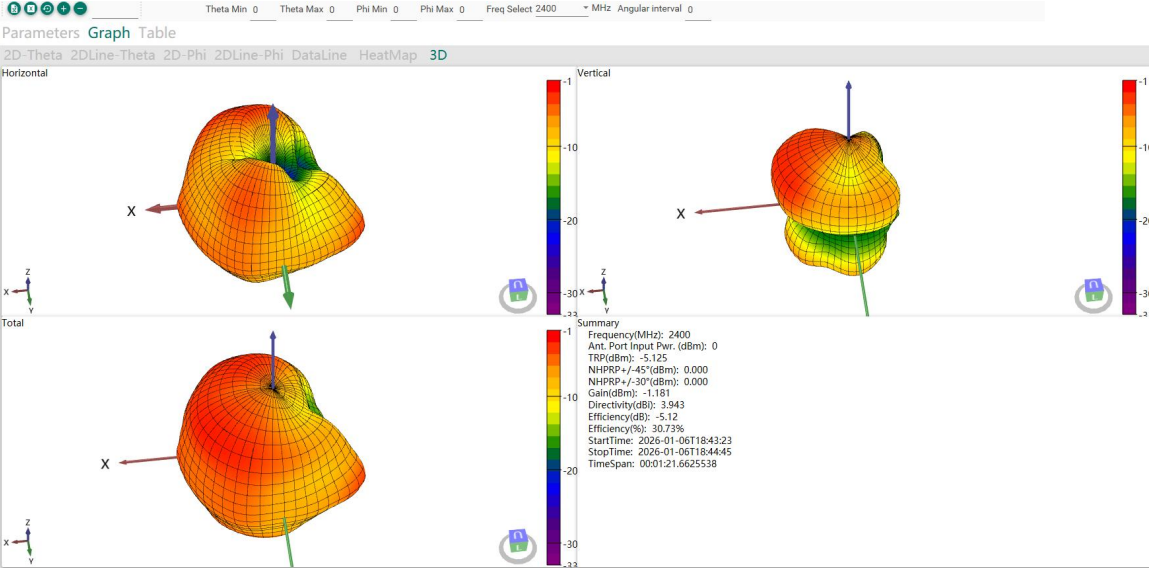
天线 2440MHz 2D-Phi Pattern



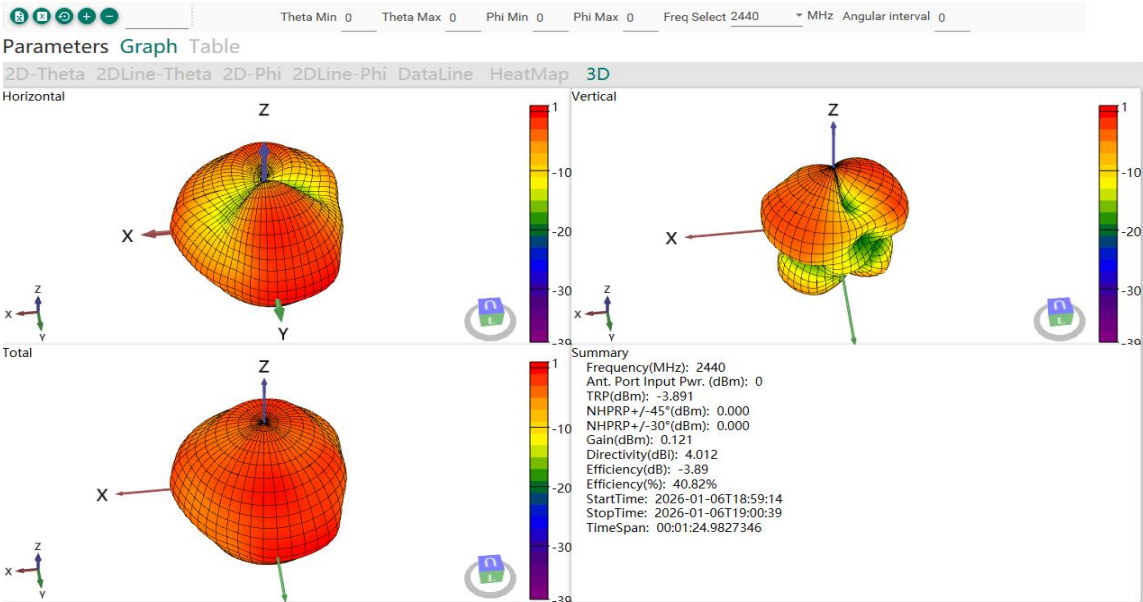
天线 2480MHz 2D-Phi Pattern



天线 2400MHz 3D-Total Pattern



天线 2440MHz 3D-Total Pattern



天线 2480MHz 3D-Total Pattern

