

制造商：广州视琨电子科技有限公司

地址：广州市黄埔区连琨路6号

天线型号：CVTE-Dual-Band-Antenna-SK0

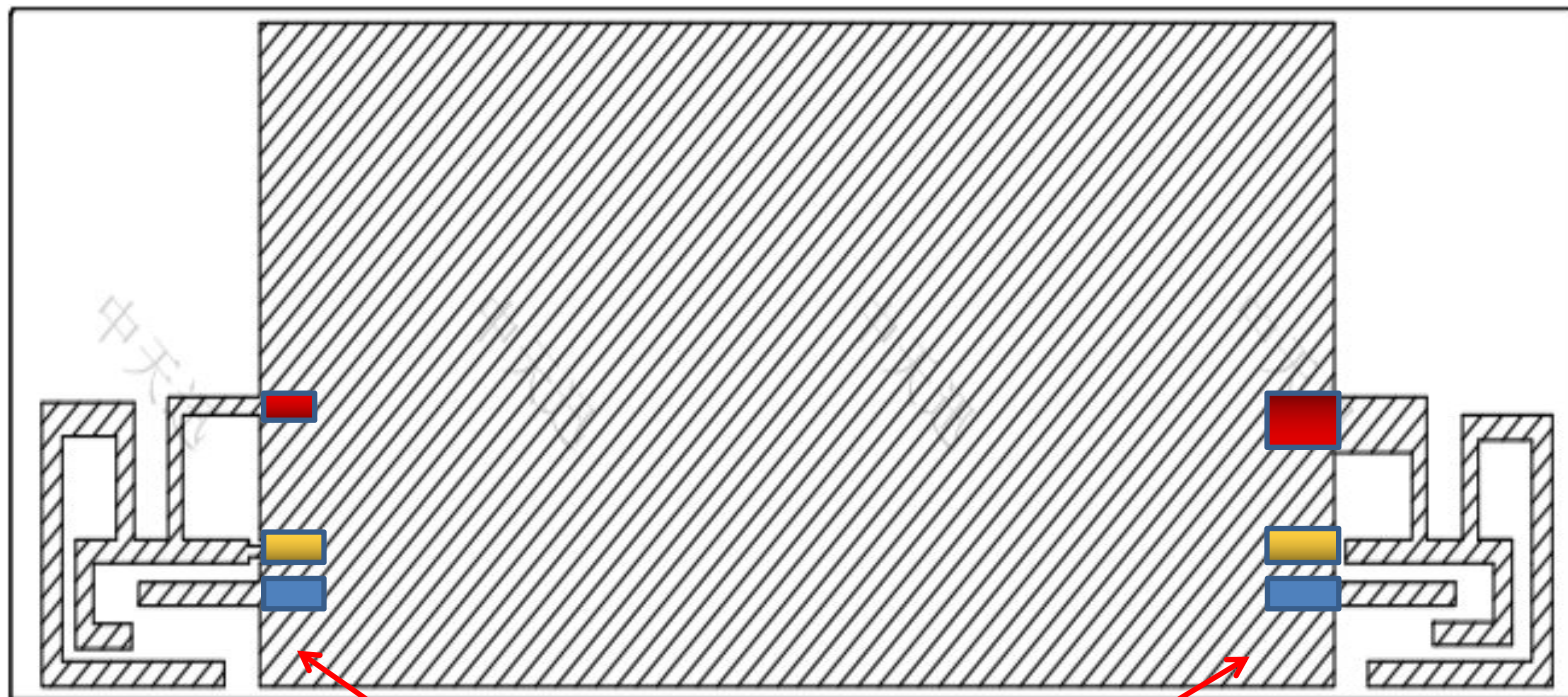
Manufacturer: Guangzhou Shikun Electronics Co., Ltd

Address: No. 6, Liankun Road, Huangpu District, Guangzhou

Antenna Model: CVTE-Dual-Band-Antenna-SK0

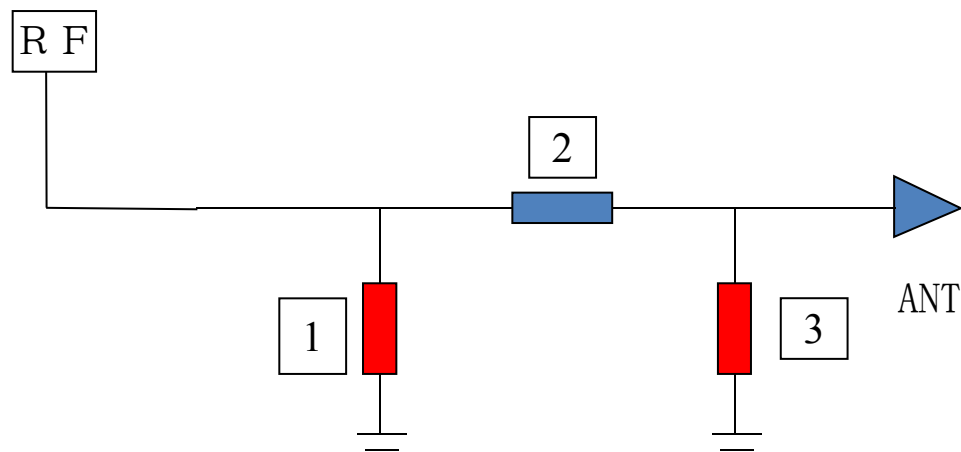
测试数据 (天线示意图) Test Data (Antenna Diagram)





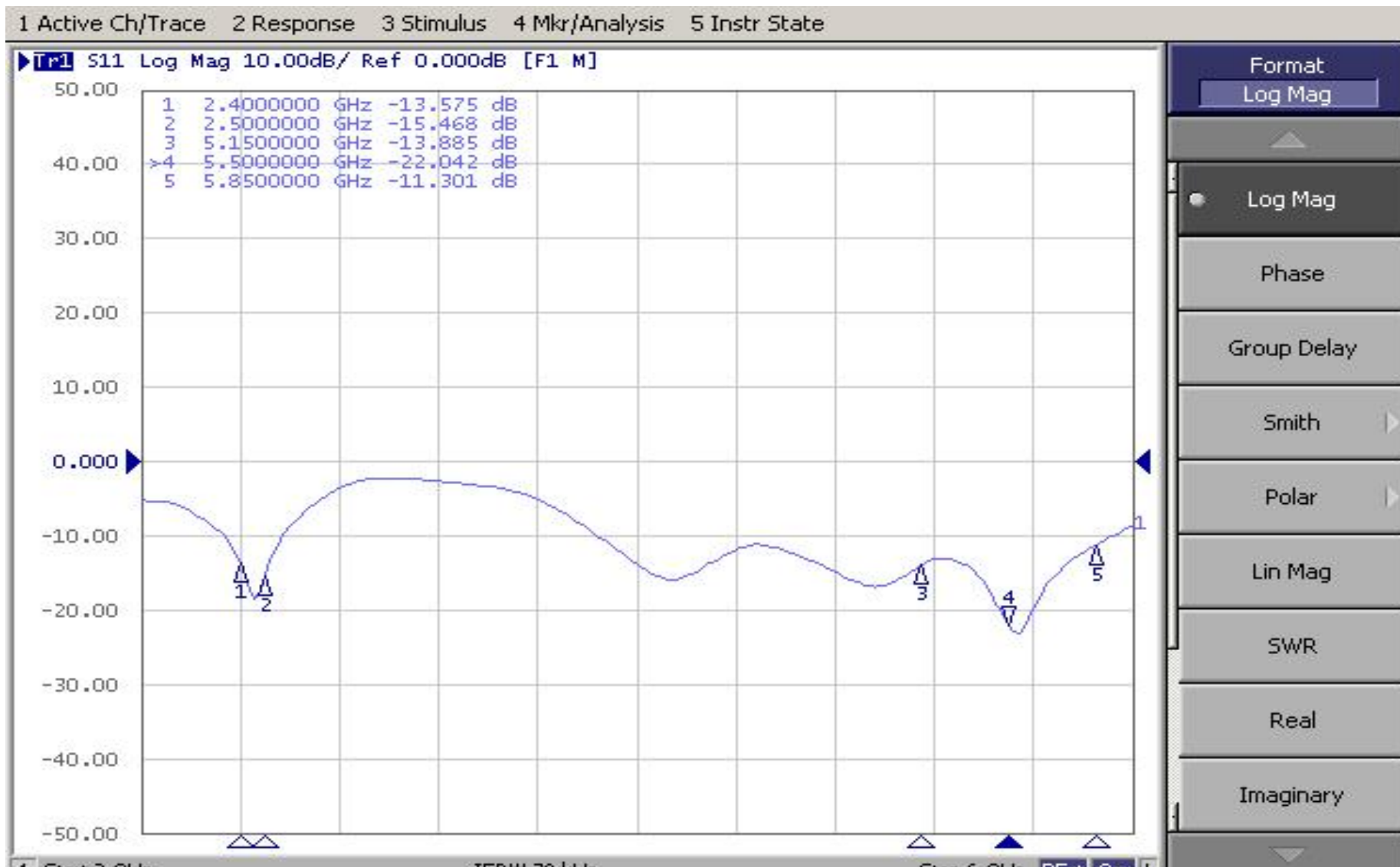
- 1) 黄色为馈电脚; The yellow part indicates the feed pin.
- 2) 红色和蓝色为馈地脚。Red and blue serve as the grounding terminals.

匹配电路 Matching

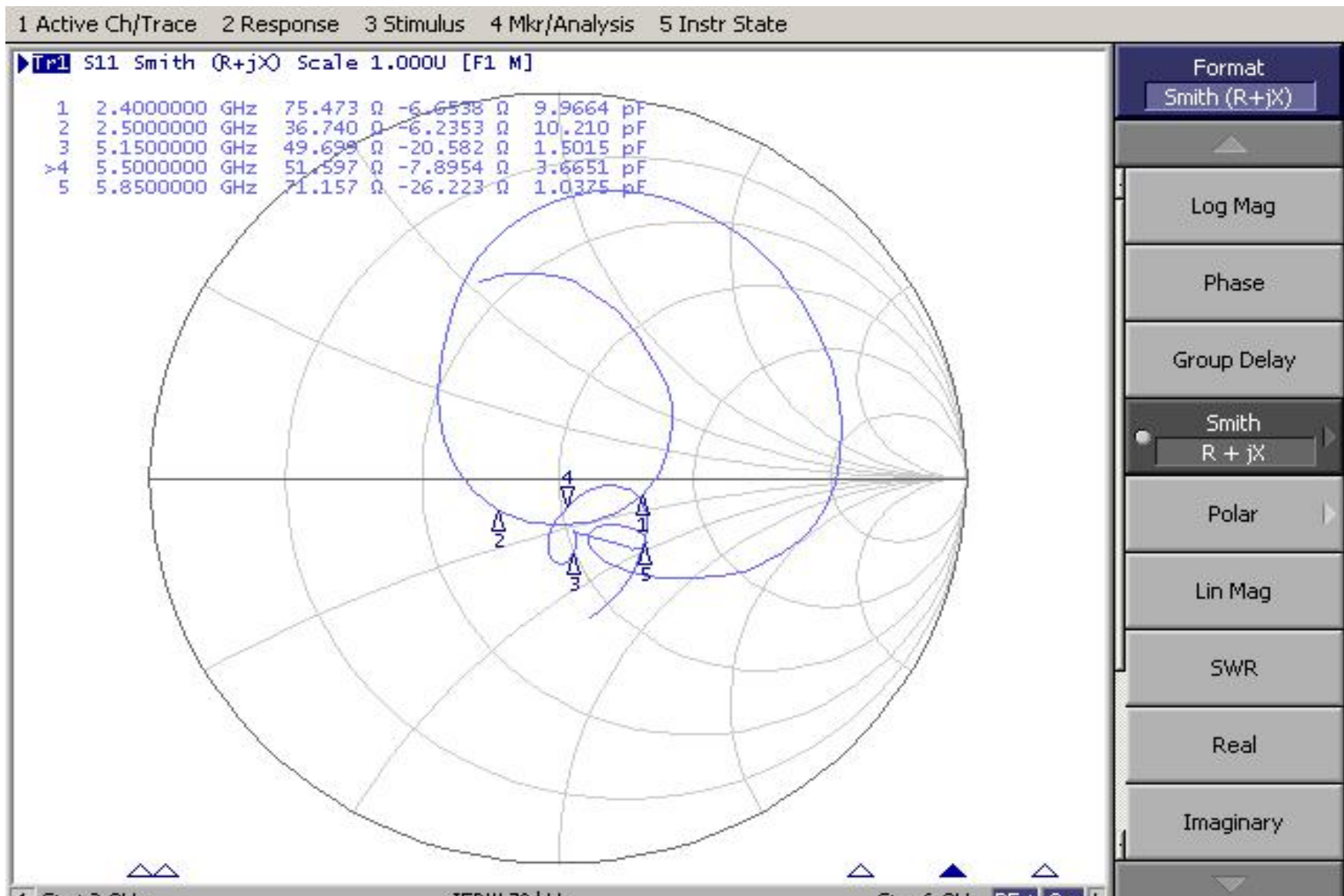


元件编号NO.	1	2	3
原始 BEFORE	NF	0Ω	NF
更改后 AFTER	NF	0Ω	NF

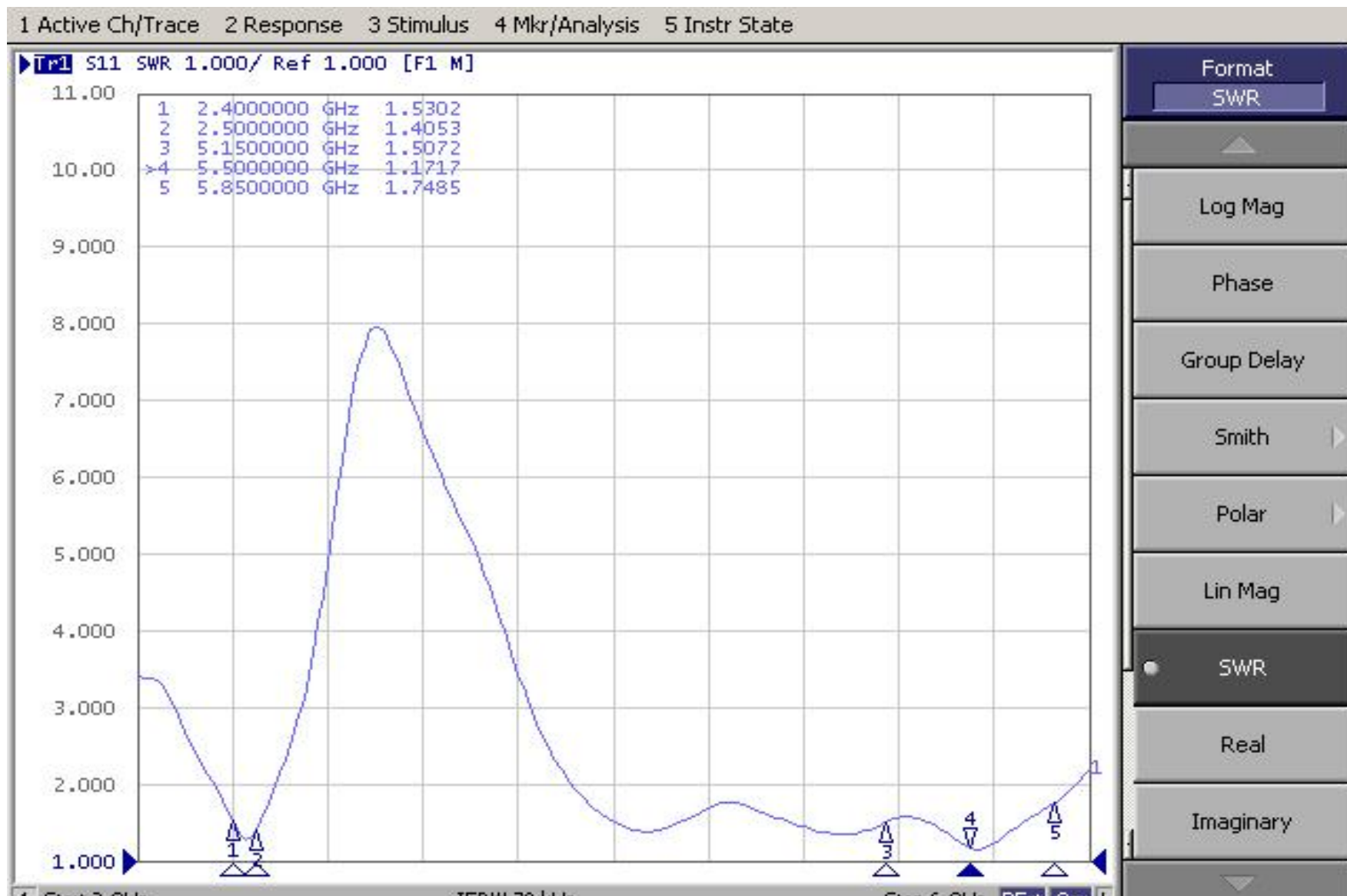
回波损耗图Return Loss Diagram



史密斯圆图Smith Chart



驻波图VSWR



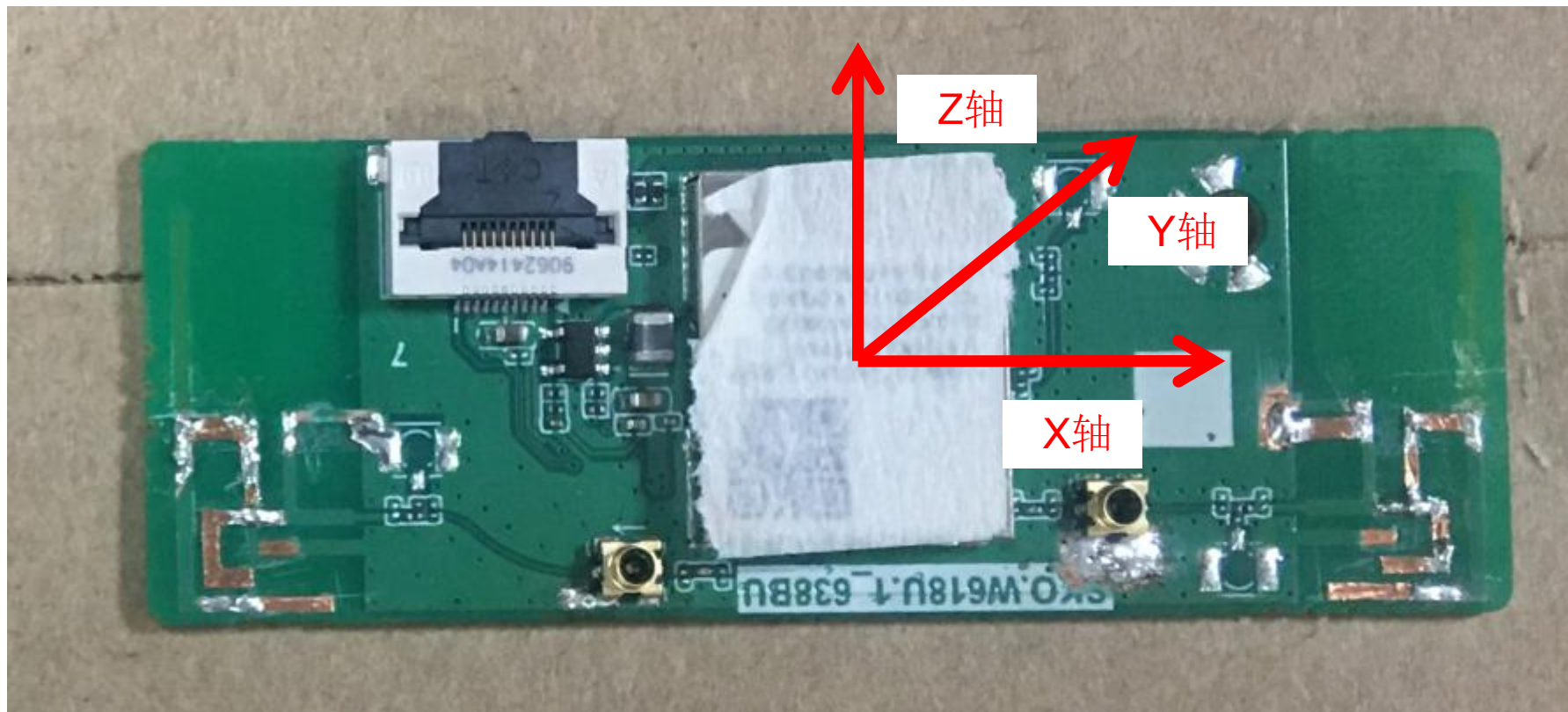
测试数据 (WIFI 天线) Test Data (WIFI Antenna)

天线增益和效率 Efficiency and Gain

Frequency	Efficiency	Gain. dBi
2400 MHz	60%	1.55
2410 MHz	60%	1.52
2420 MHz	60%	1.29
2430 MHz	62%	1.44
2440 MHz	63%	1.43
2450 MHz	62%	1.68
2460 MHz	64%	1.49
2470 MHz	62%	1.22
2480 MHz	63%	1.20
2490 MHz	62%	1.60
2500 MHz	62%	1.41

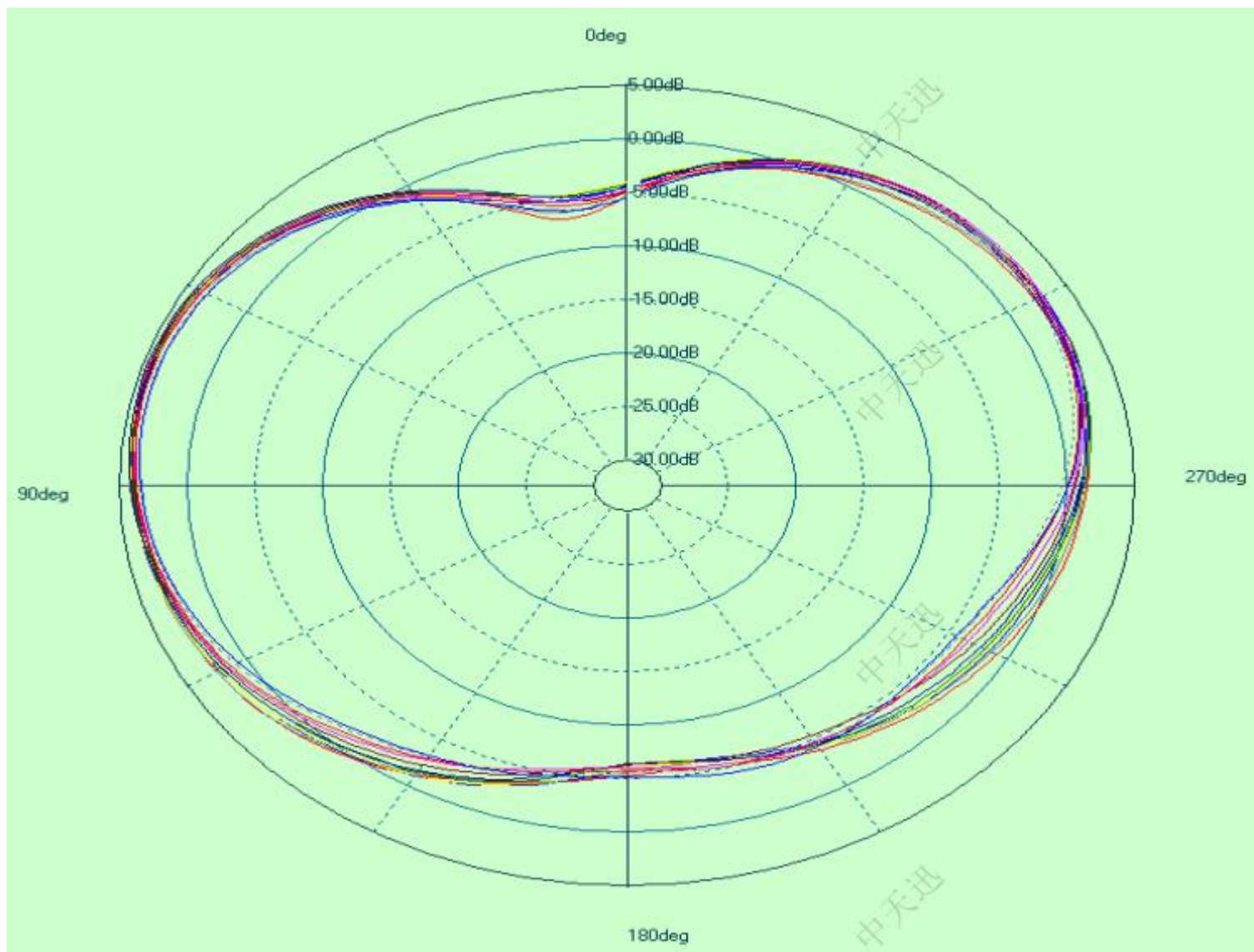
Frequency	Efficiency	Gain. dBi
5150 MHz	64%	1.12
5200 MHz	64%	1.68
5250 MHz	63%	1.69
5300 MHz	63%	1.82
5350 MHz	64%	1.84
5400 MHz	63%	2.00
5450 MHz	63%	1.78
5500 MHz	62%	2.01
5550 MHz	62%	2.00
5600 MHz	62%	2.01
5650 MHz	64%	1.99
5700 MHz	64%	1.78
5750 MHz	64%	1.88
5800 MHz	64%	1.24
5850 MHz	64%	1.02

方向示意图 Directional Diagram

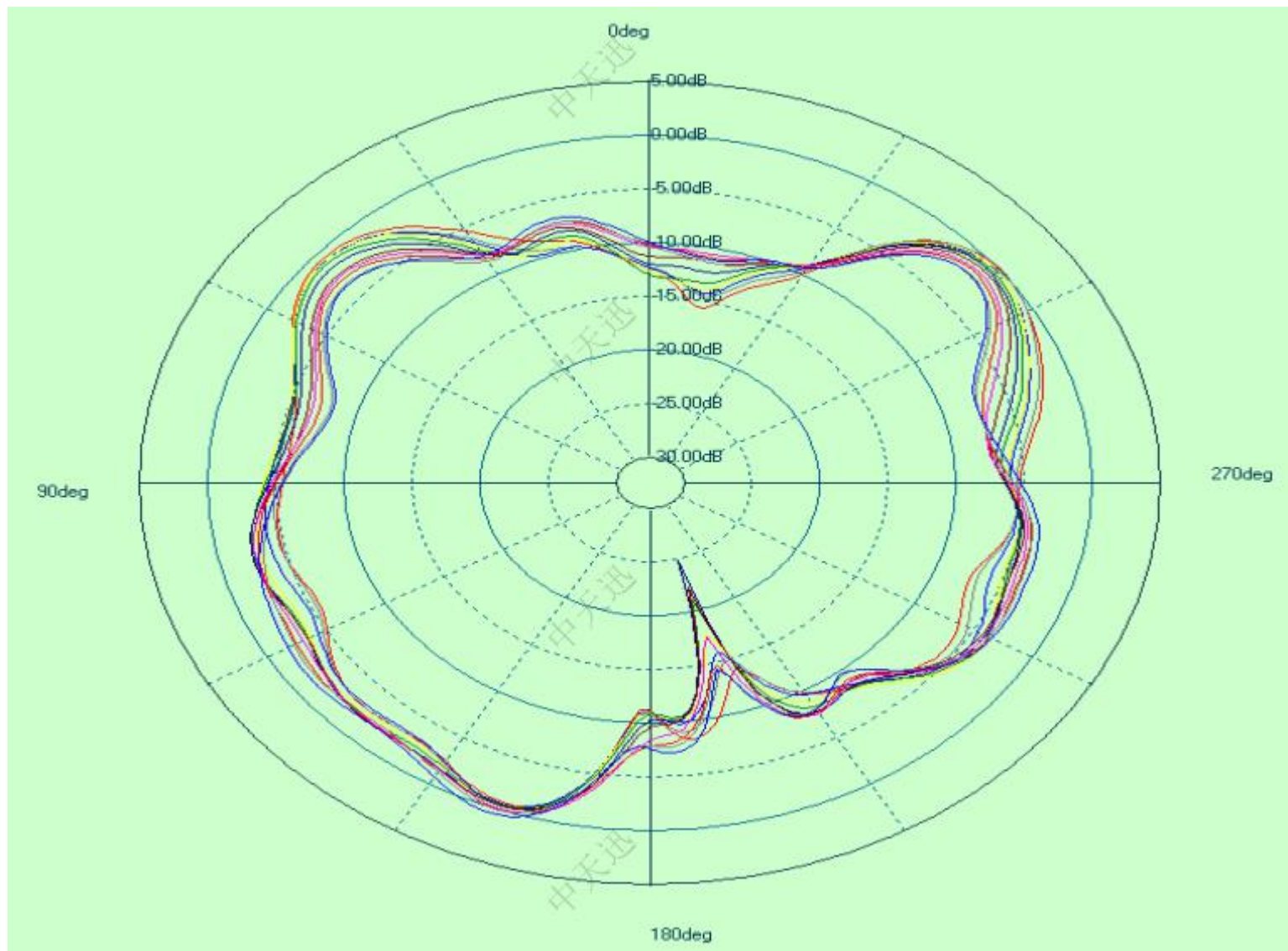


X轴指平行于PCB板正面向右; X-axis: parallel to the PCB front surface, pointing to the right;
Y轴指垂直于PCB板正面向后; Y-axis: perpendicular to the PCB front surface, pointing backward;
Z轴指平行于PCB板正面向上。 Z-axis: parallel to the PCB front surface, pointing upward.

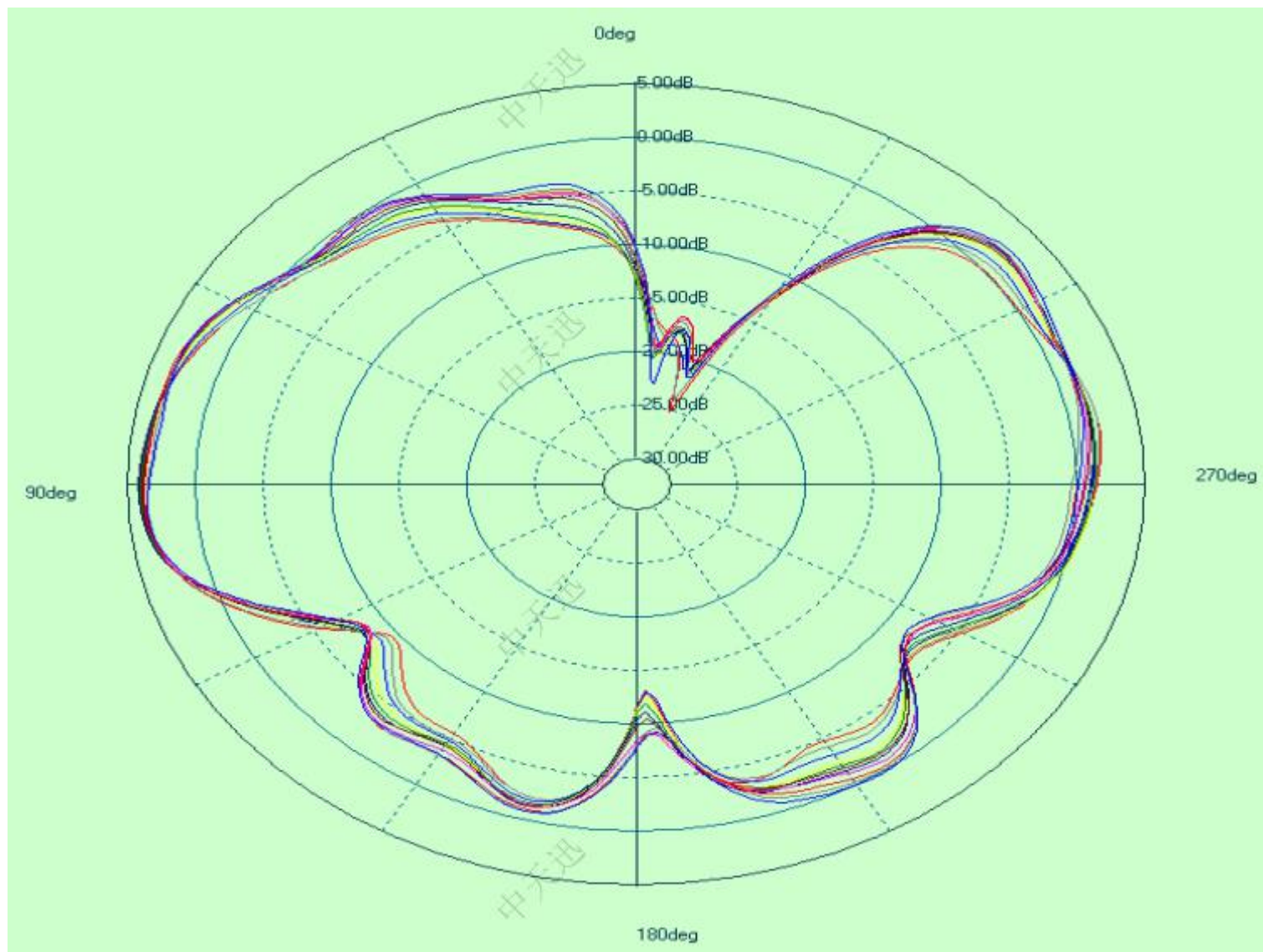
XOY面 (Z=0) 2.4G



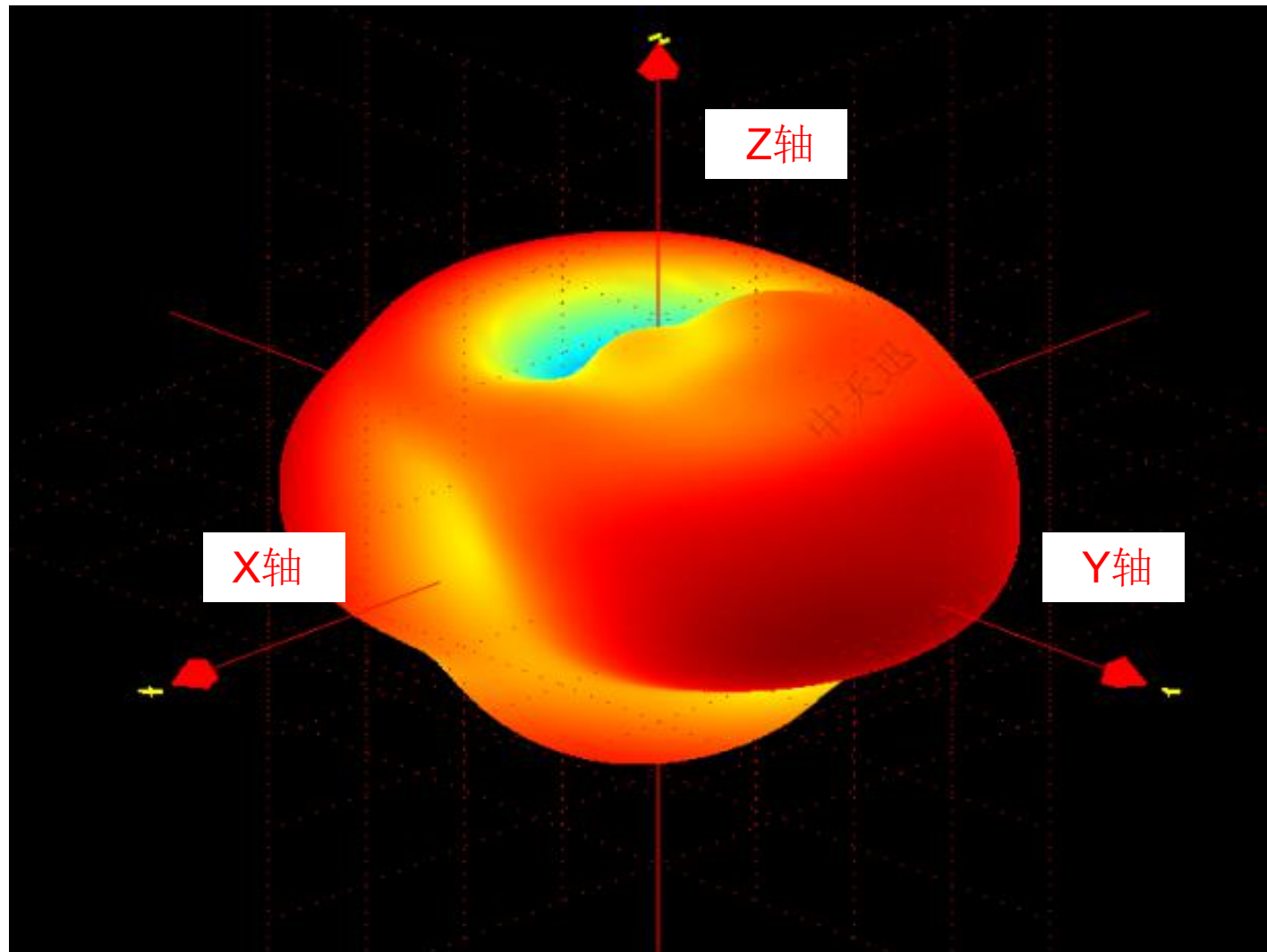
XOZ面 (Y=0) 2.4G



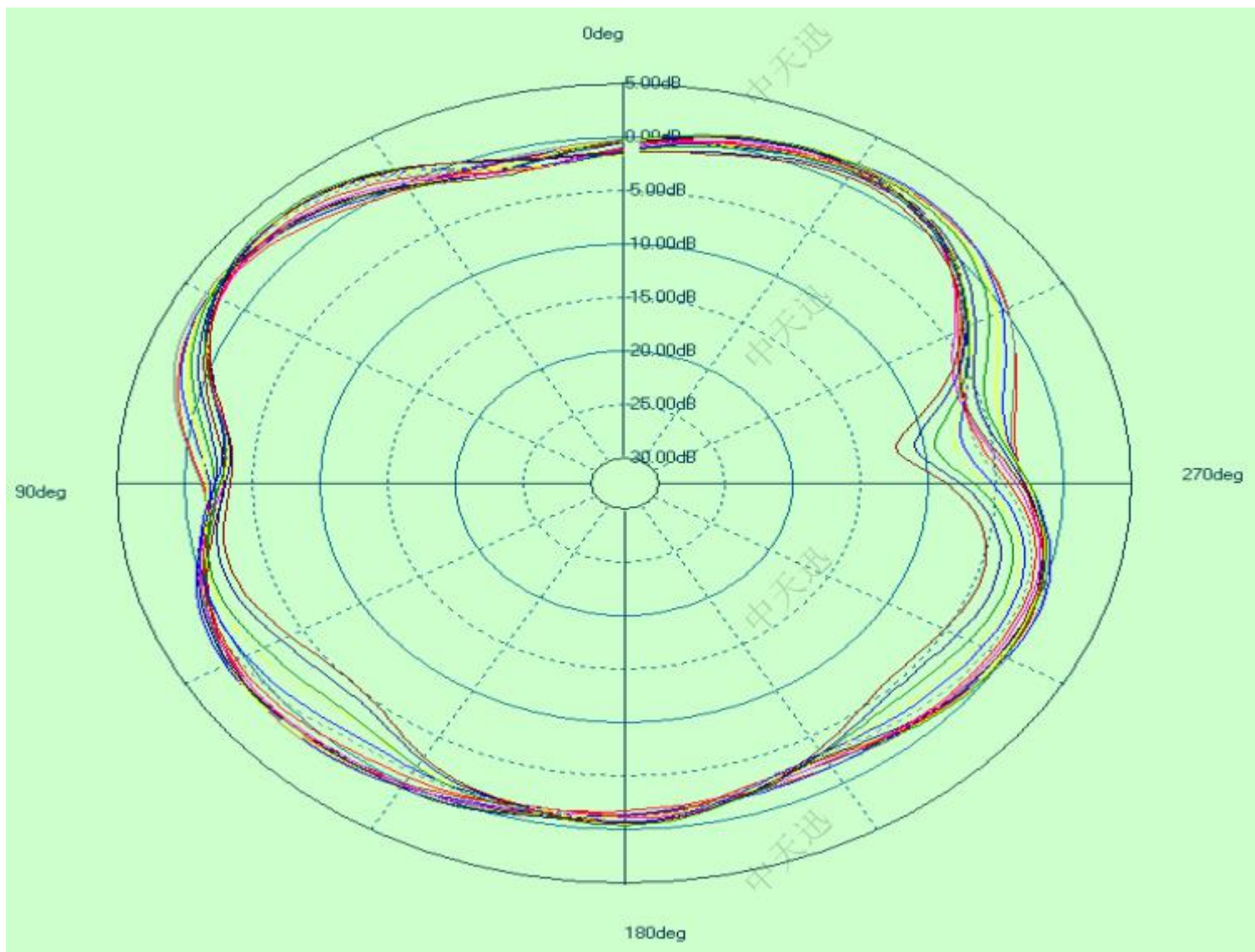
Y0Z面 (X=0) 2.4G



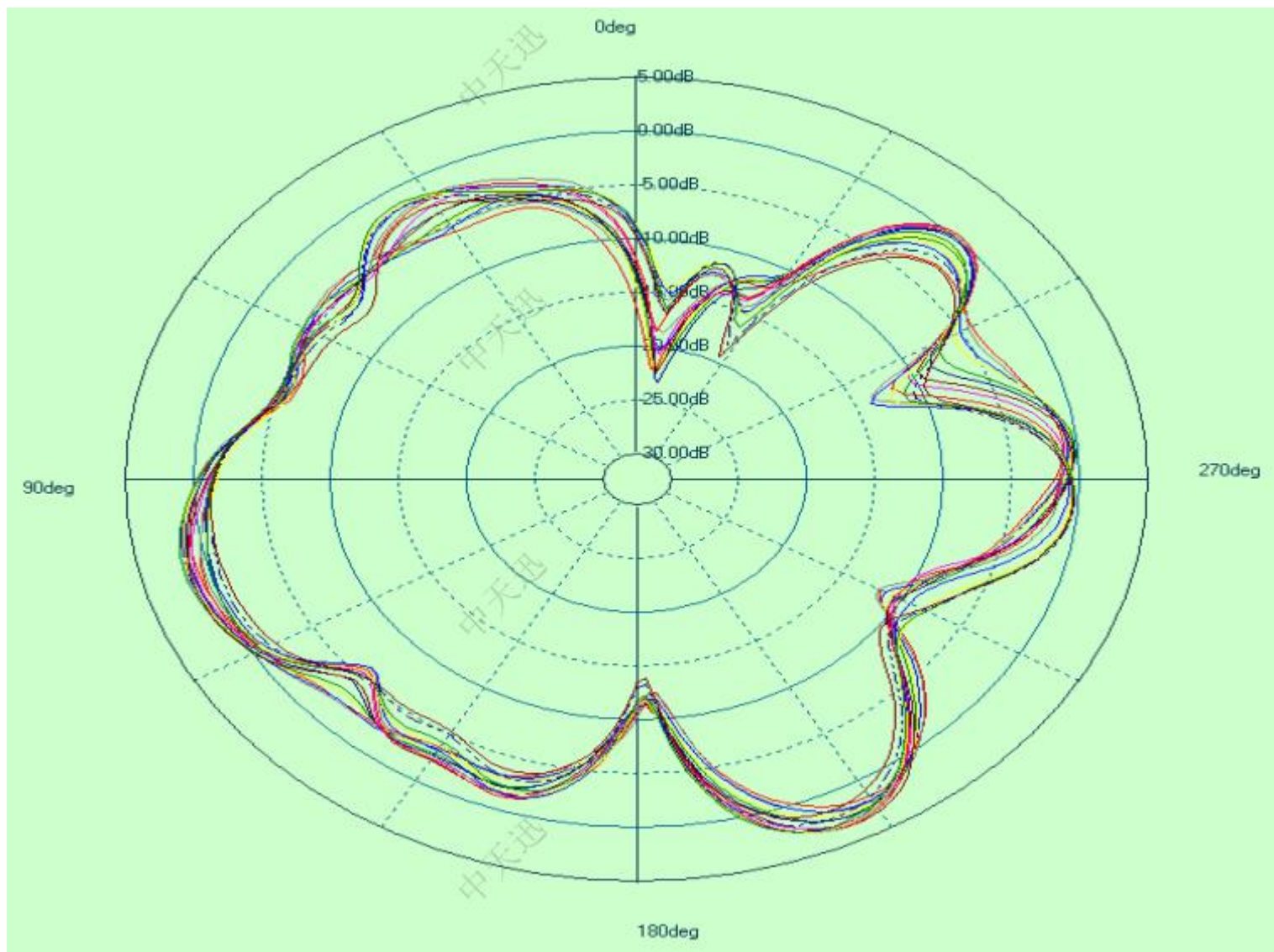
3D辐射图 2.4G



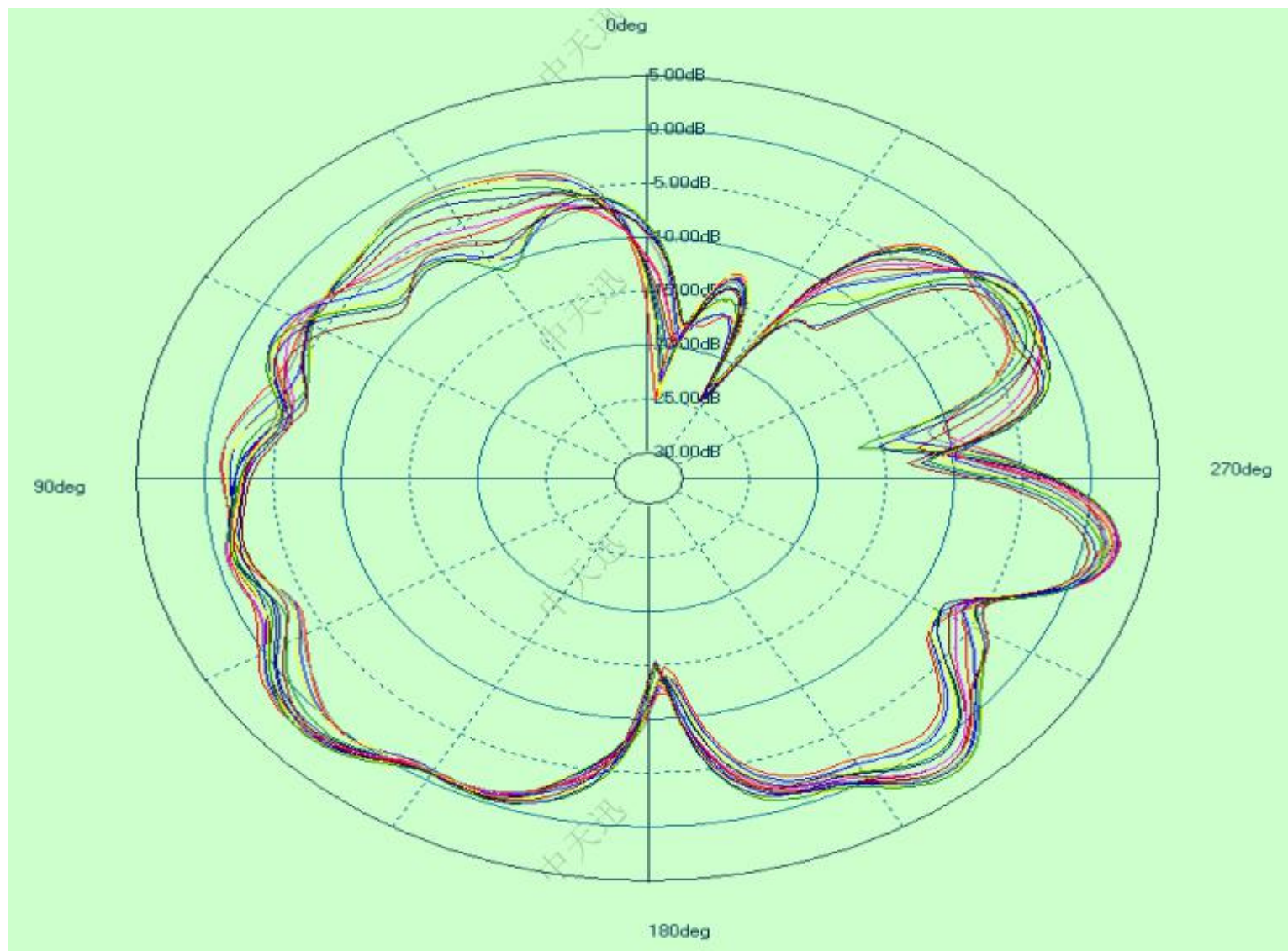
XOY面 (Z=0) 5G



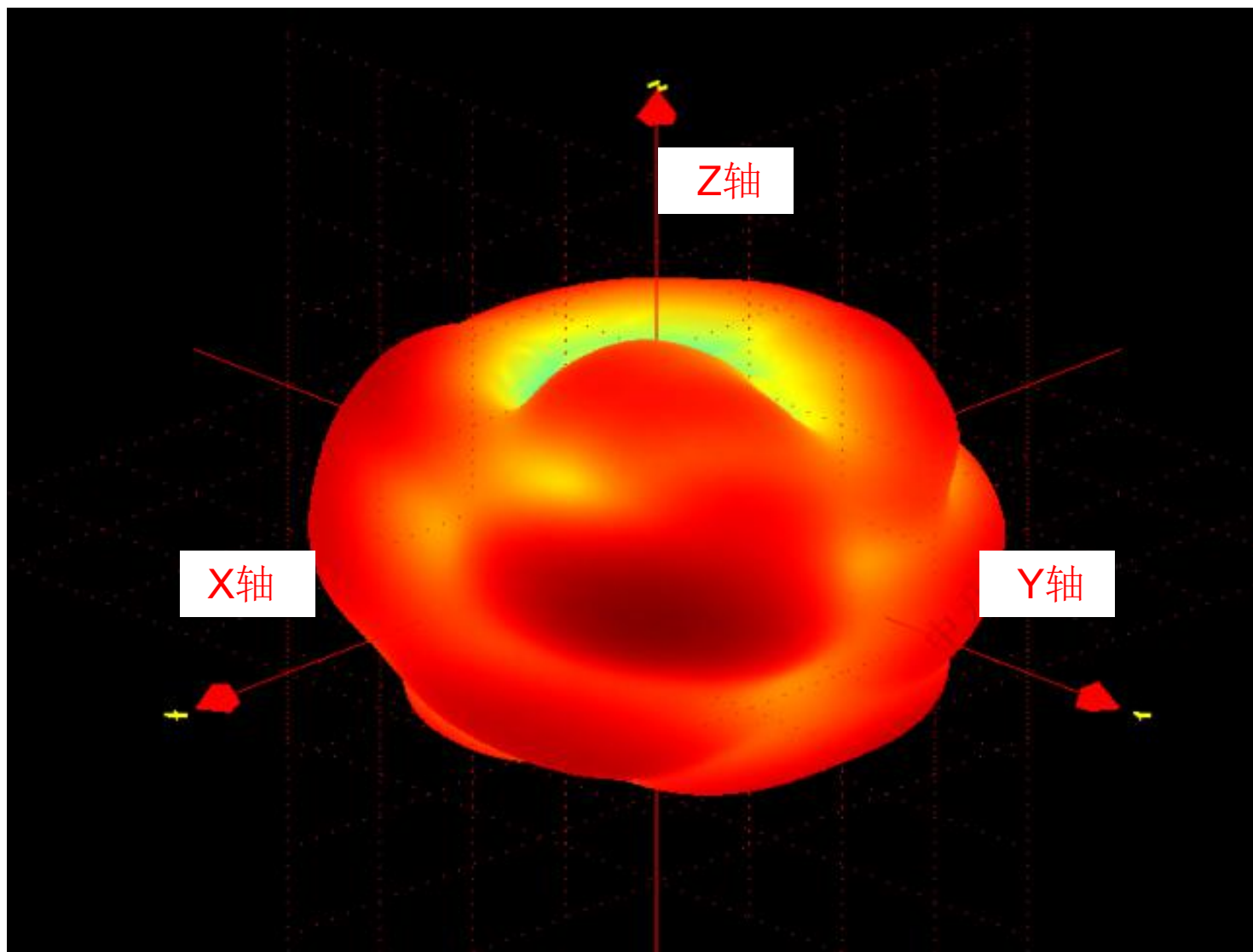
XOZ面 (Y=0) 5G



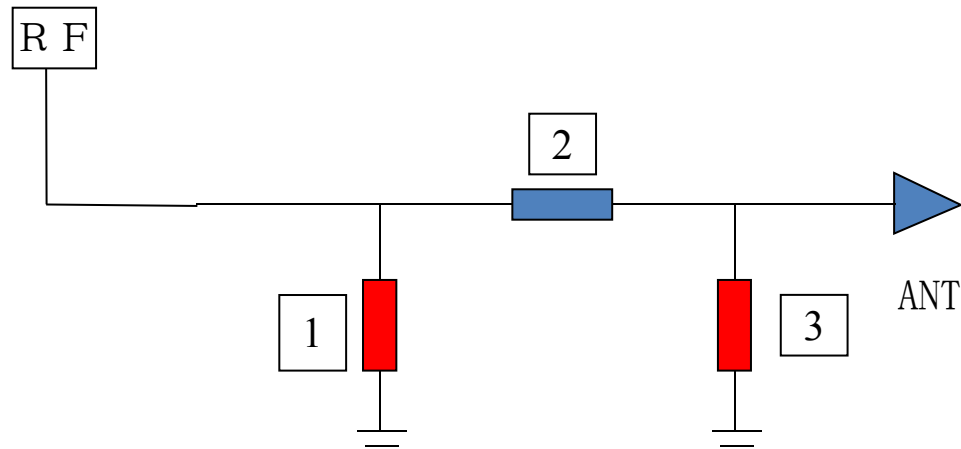
Y0Z面 (X=0) 5G



3D辐射图 5G

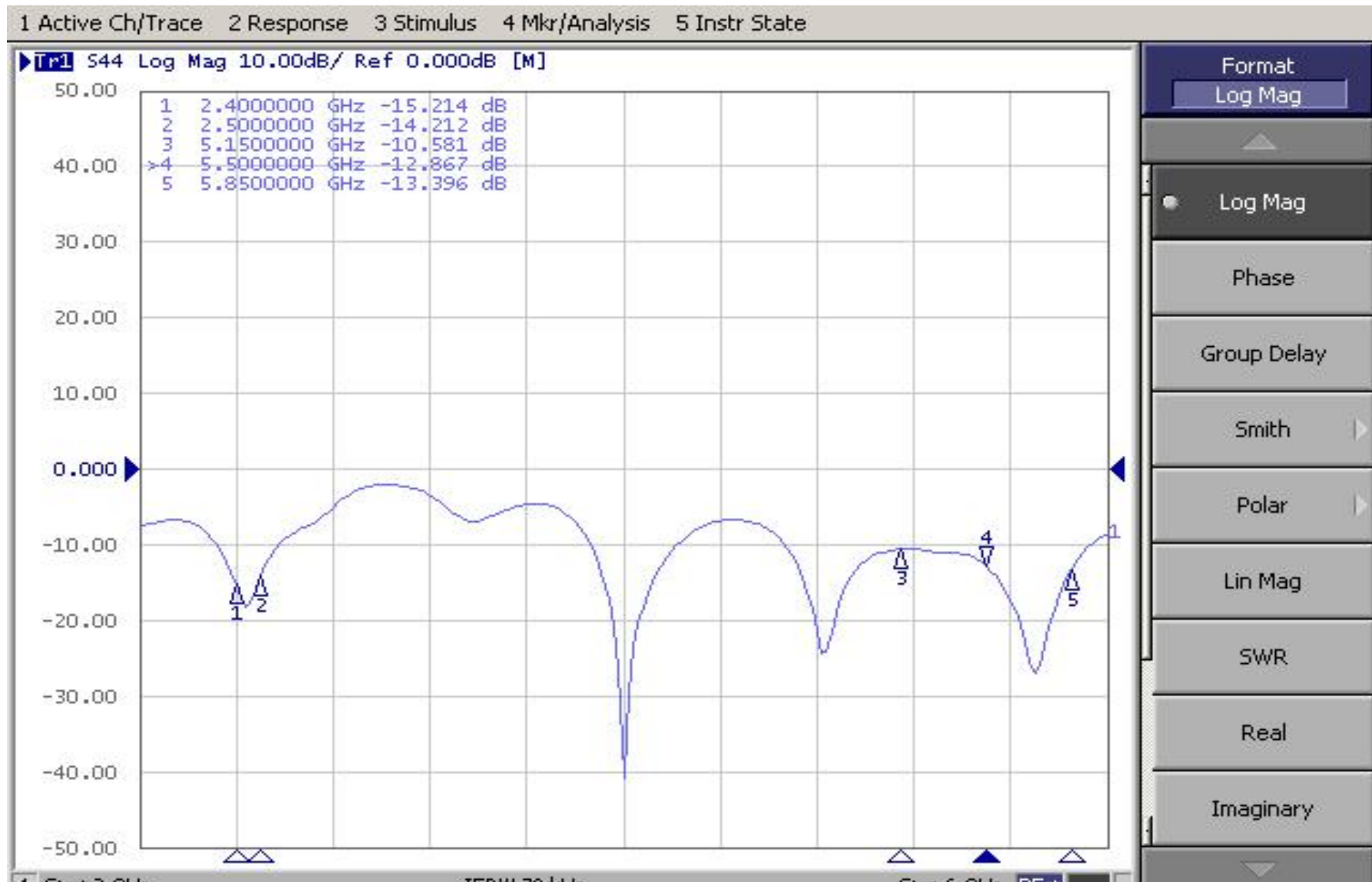


匹配电路match

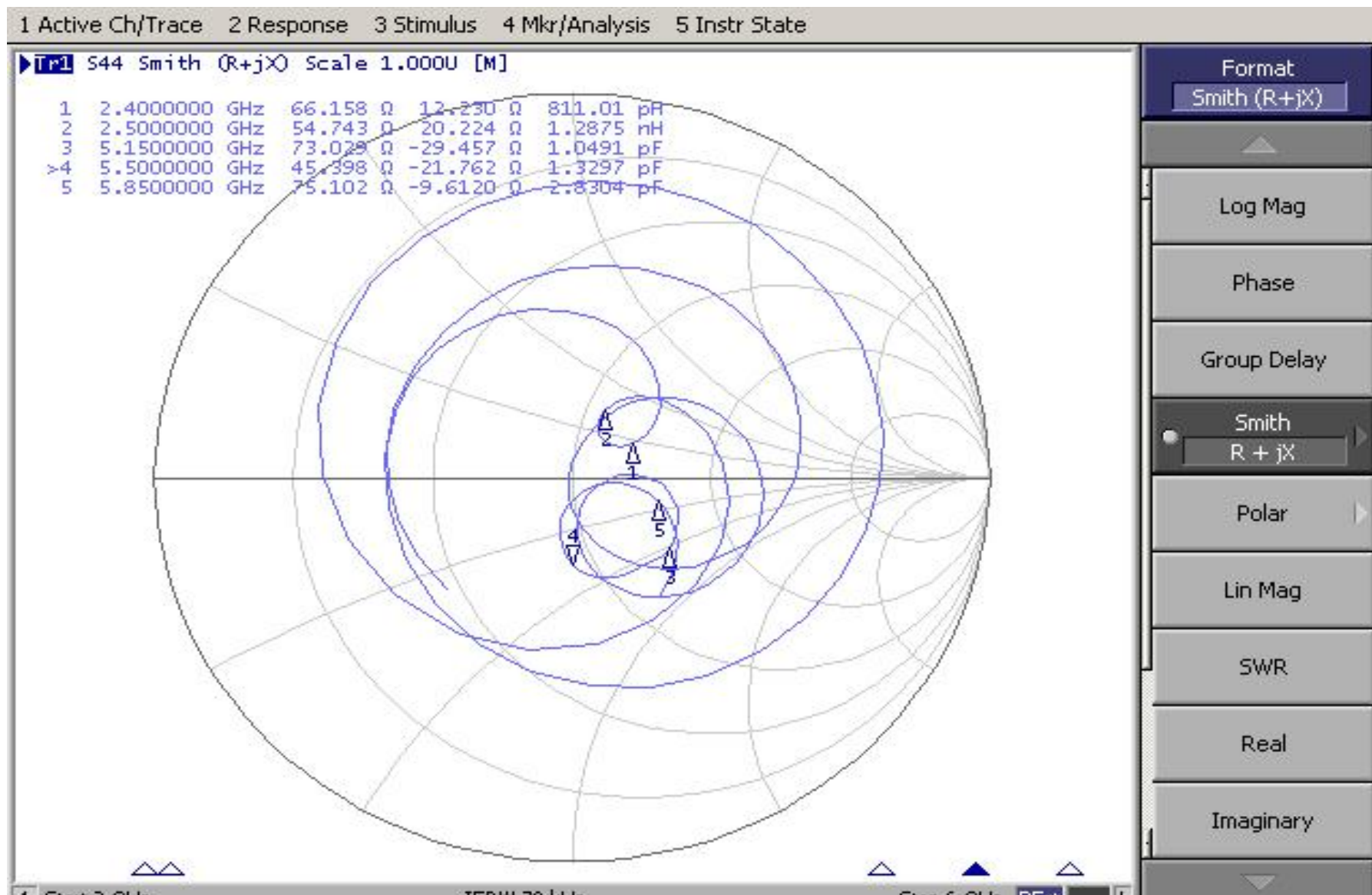


元件编号NO.	1	2	3
原始 BEFORE	NF	0Ω	NF
更改后 AFTER	NF	0Ω	NF

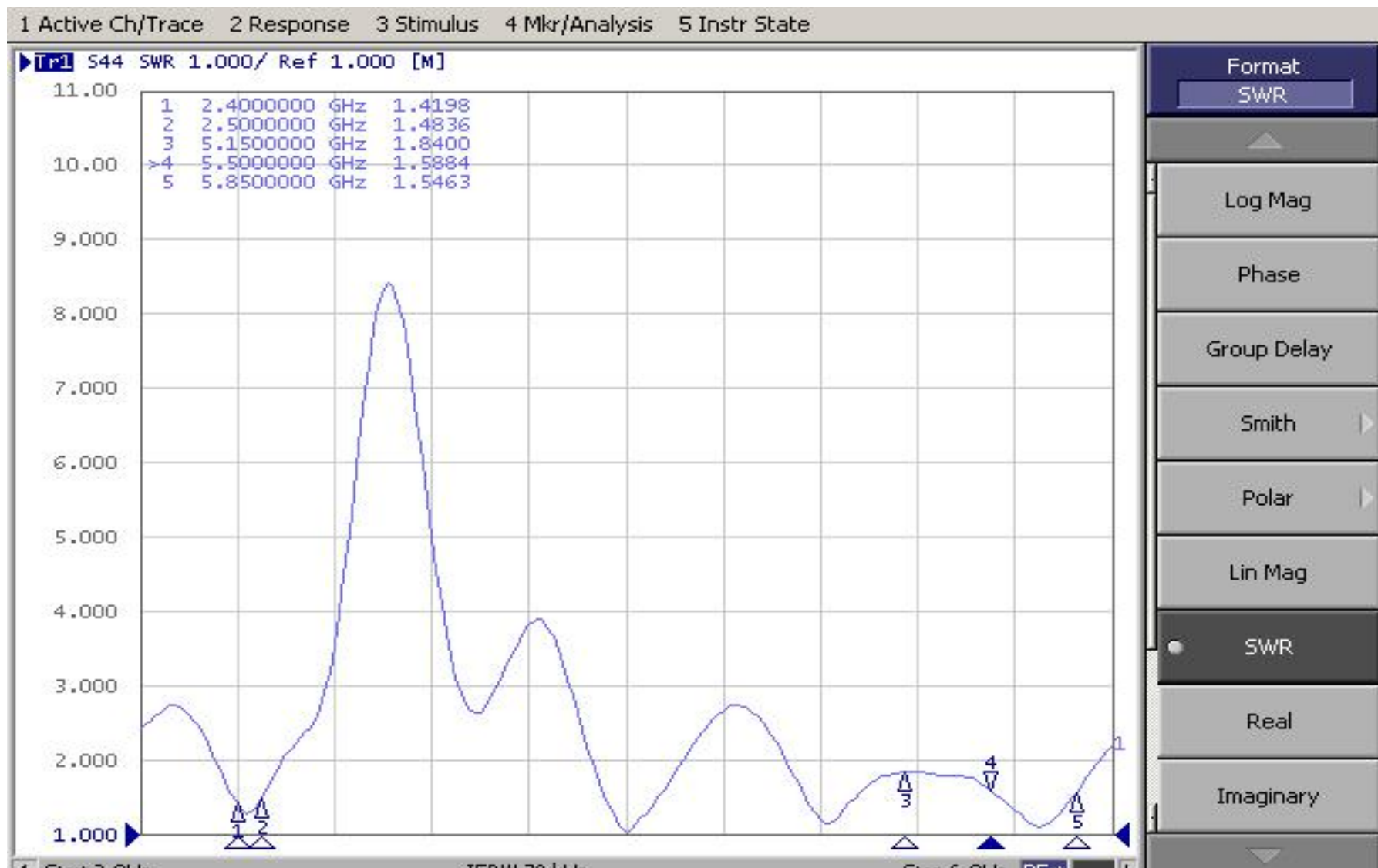
回波损耗图Return Loss Diagram



史密斯圆图Smith Chart



驻波图VSWR

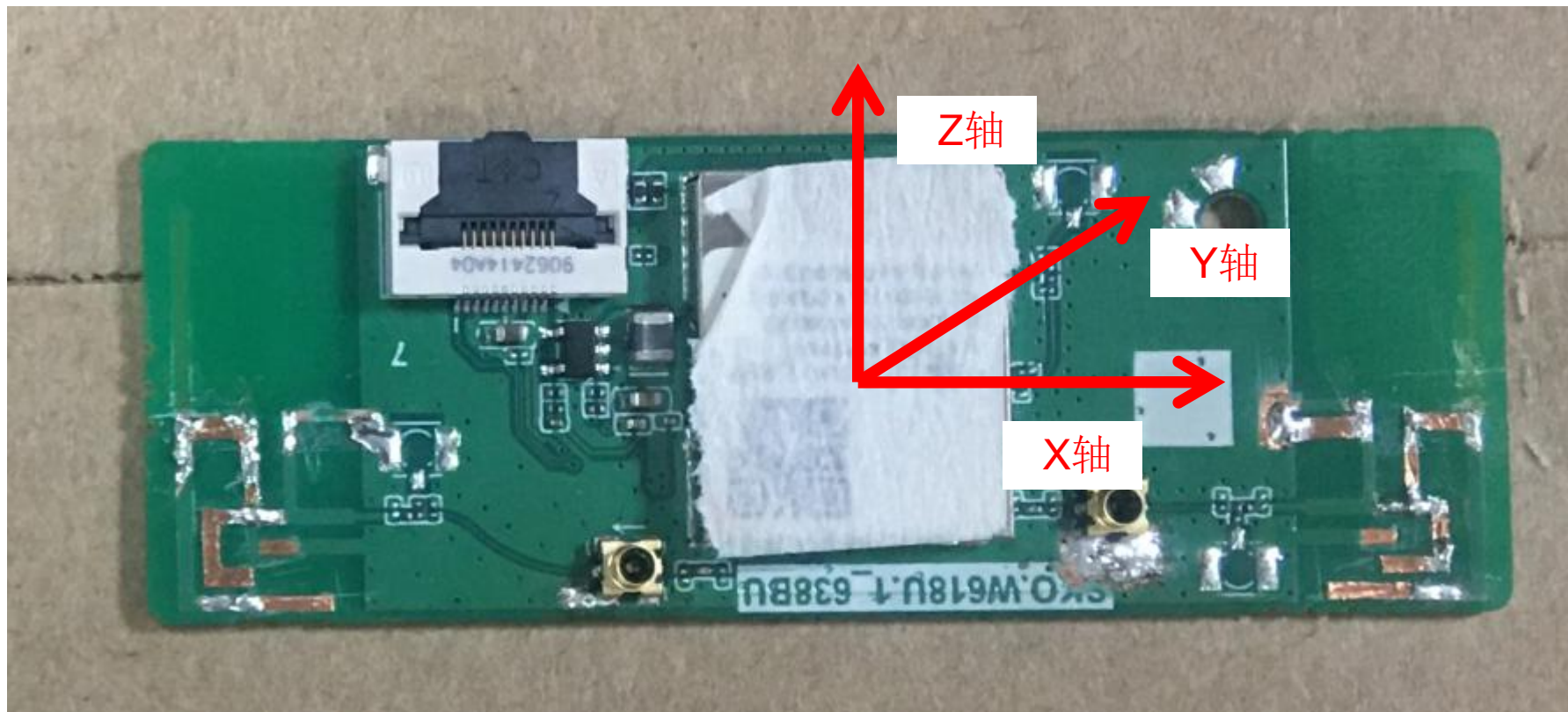


天线增益和效率 Efficiency and Gain

Frequency	Efficiency	Gain. dBi
2400 MHz	62%	1.49
2410 MHz	63%	1.54
2420 MHz	64%	1.42
2430 MHz	65%	1.60
2440 MHz	66%	1.70
2450 MHz	66%	1.71
2460 MHz	66%	1.76
2470 MHz	65%	1.81
2480 MHz	64%	1.78
2490 MHz	63%	1.78
2500 MHz	64%	1.61

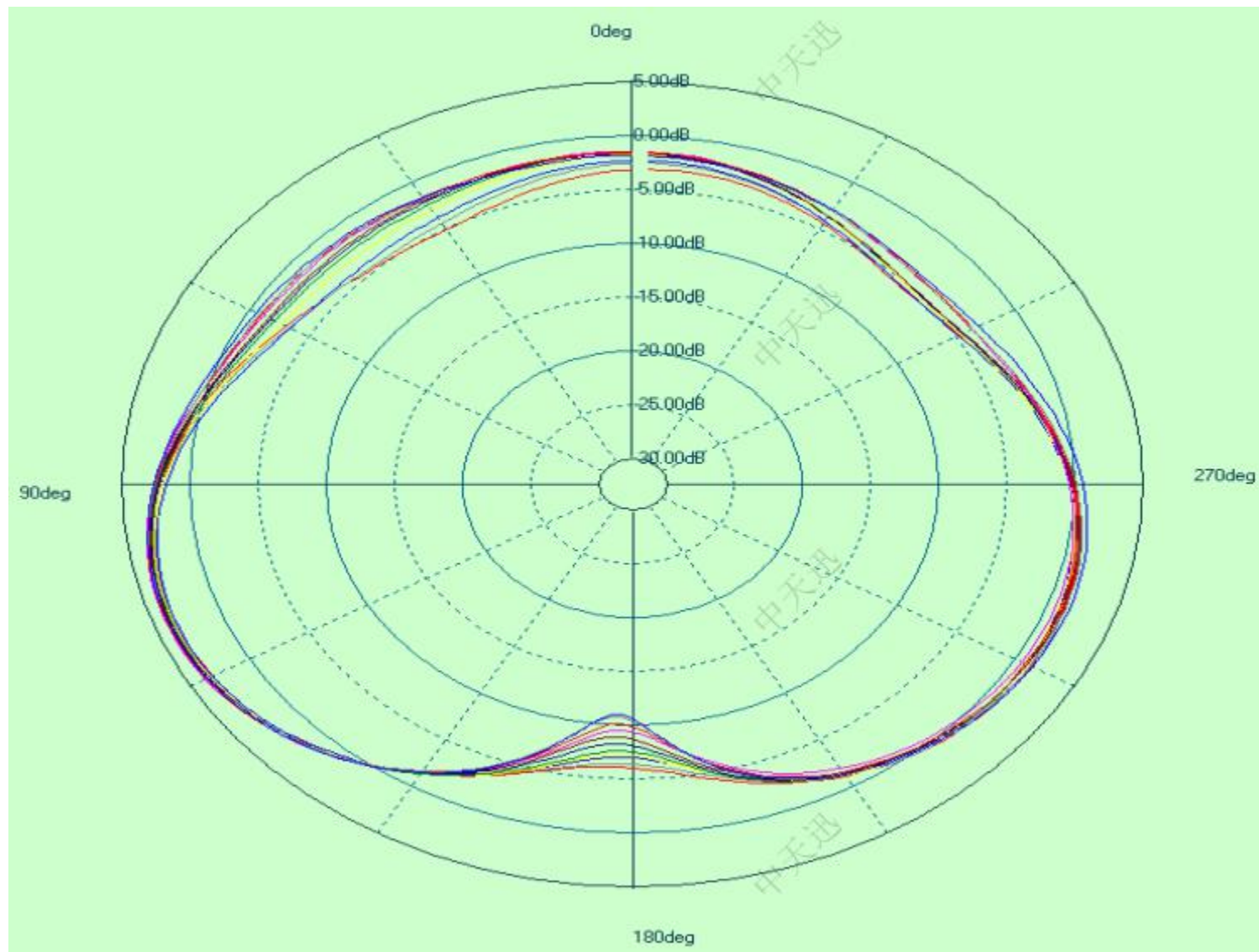
Frequency	Efficiency	Gain. dBi
5150 MHz	63%	1.36
5200 MHz	64%	1.68
5250 MHz	65%	1.81
5300 MHz	65%	1.78
5350 MHz	66%	1.78
5400 MHz	68%	1.74
5450 MHz	67%	1.45
5500 MHz	68%	1.41
5550 MHz	67%	1.78
5600 MHz	65%	1.91
5650 MHz	65%	2.03
5700 MHz	64%	1.94
5750 MHz	63%	2.02
5800 MHz	64%	1.43
5850 MHz	63%	1.53

方向示意图 Directional Diagram

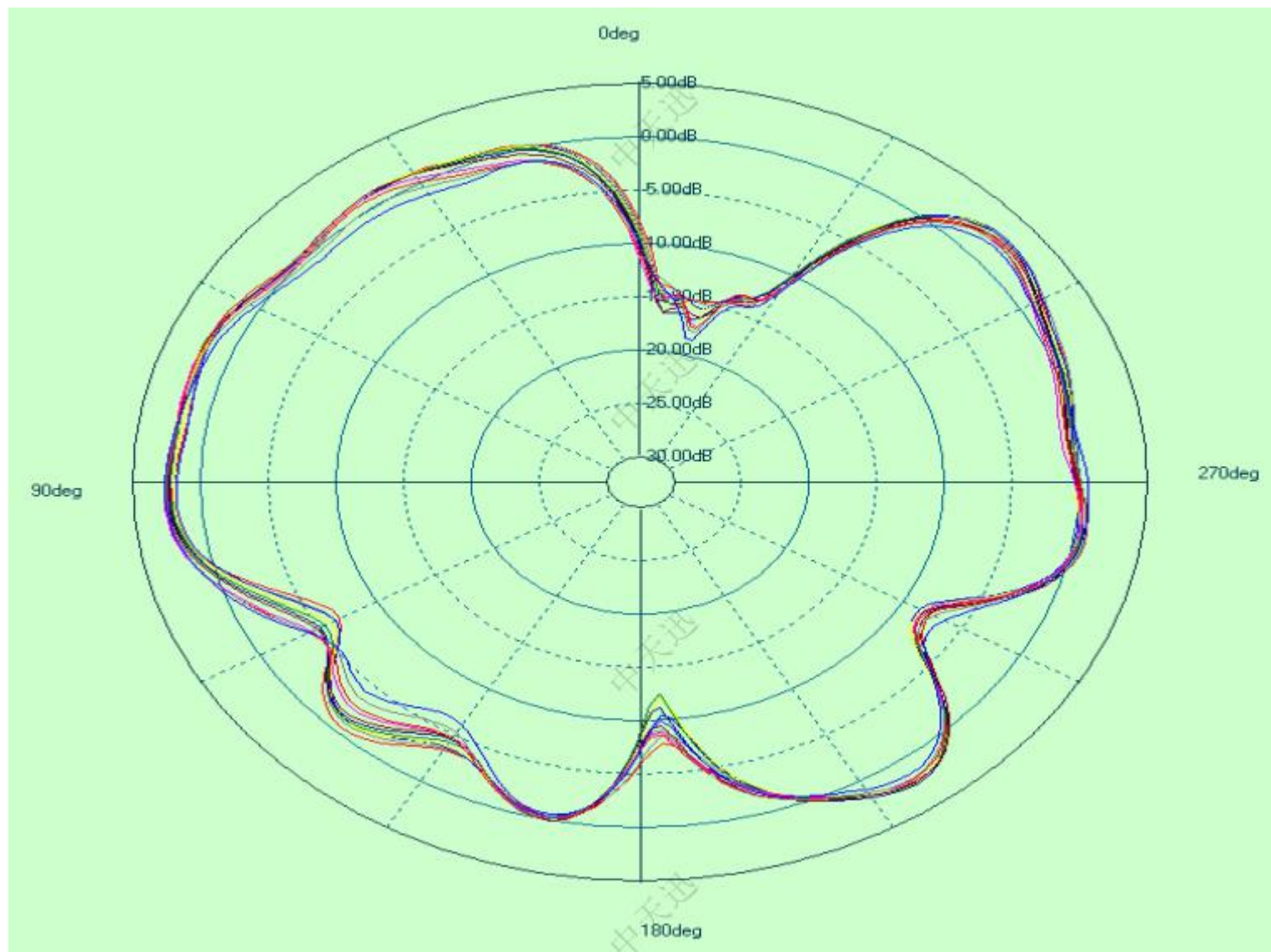


X轴指平行于PCB板正面向右; X-axis: parallel to the PCB front surface, pointing to the right; Y轴指垂直于PCB板正面向后; Y-axis: perpendicular to the PCB front surface, pointing backward; Z轴指平行于PCB板正面向上。 Z-axis: parallel to the PCB front surface, pointing upward.

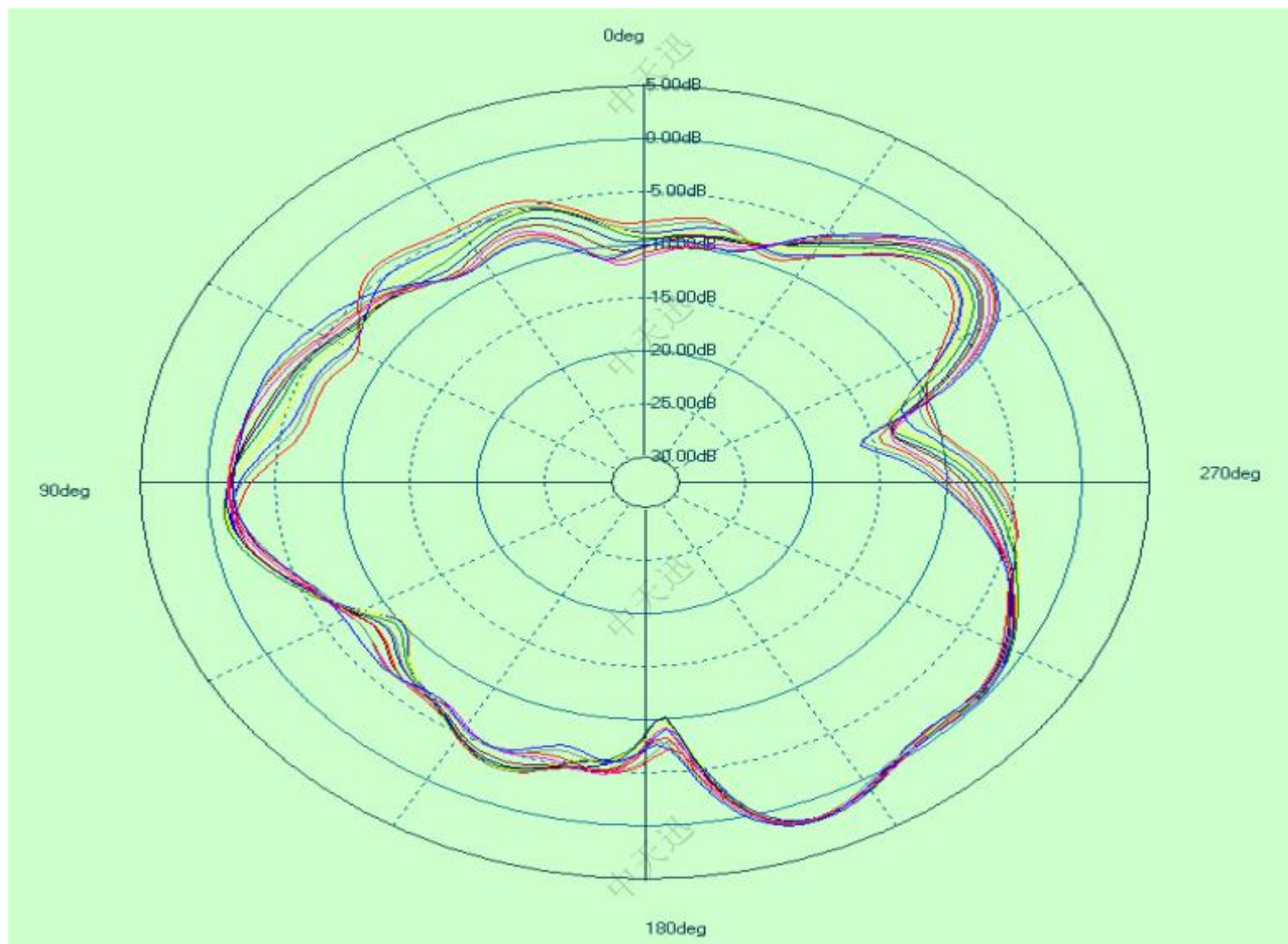
XOY面 (Z=0) 2.4G



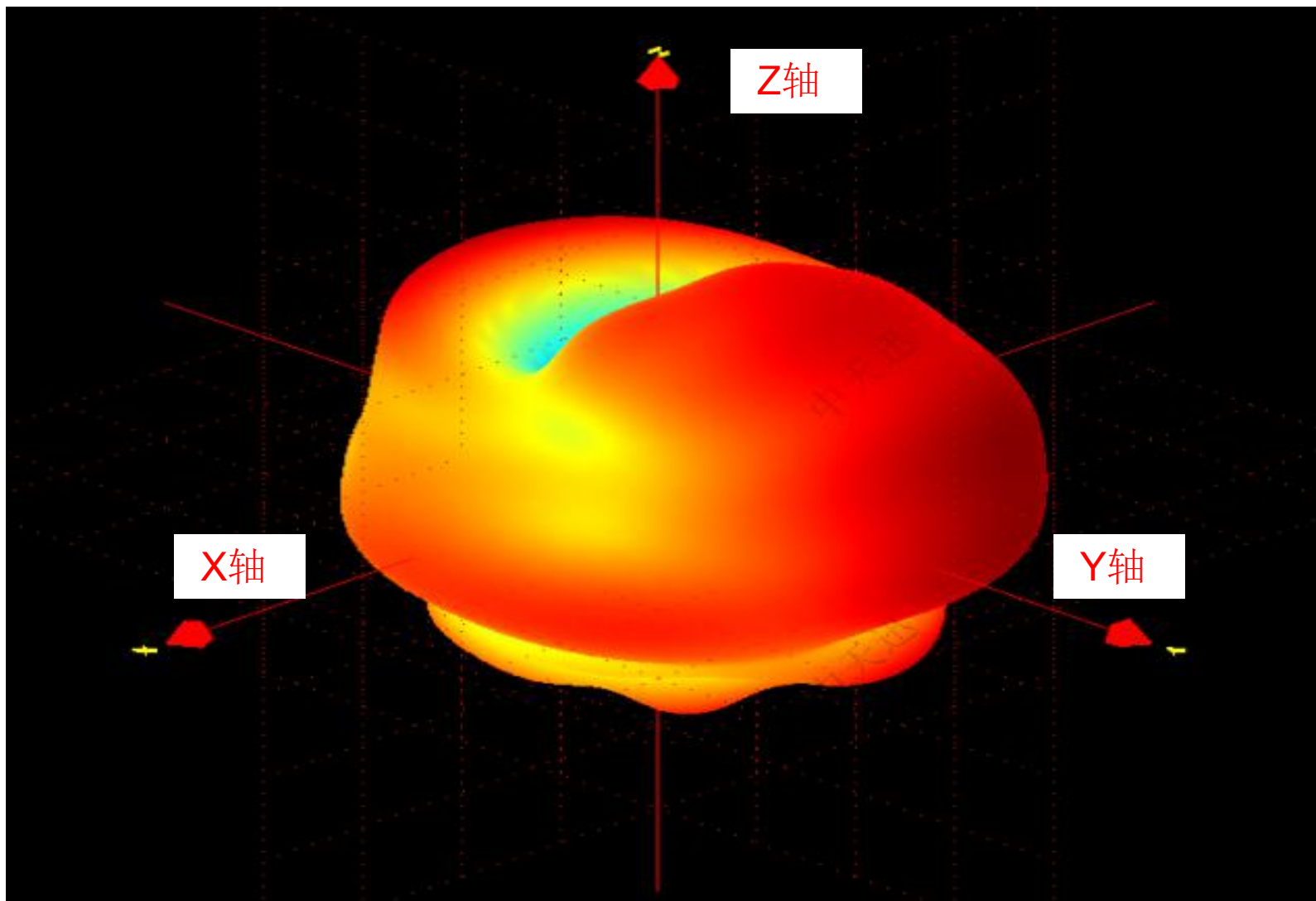
XOZ面 (Y=0) 2.4G



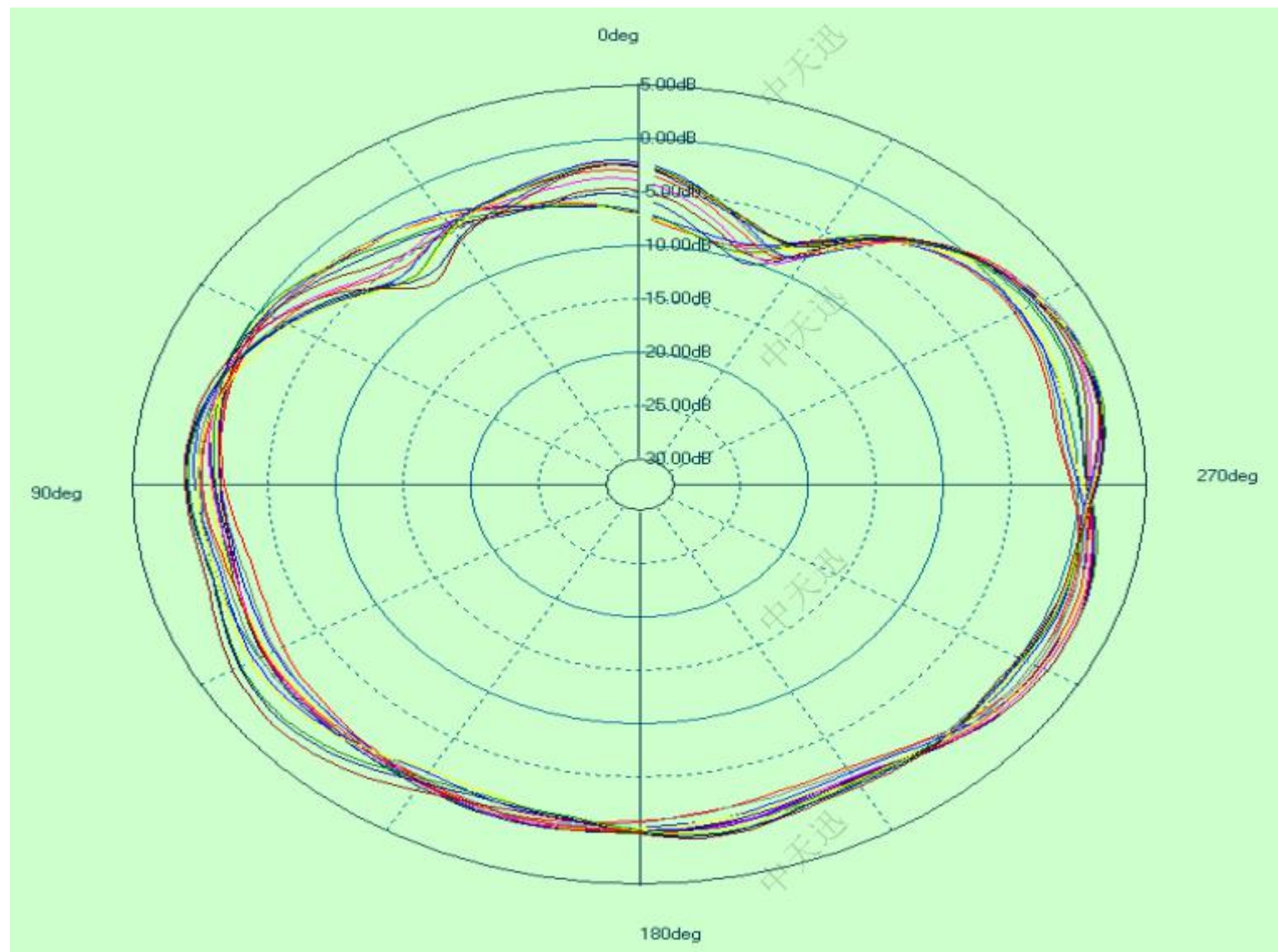
Y0Z面 (X=0) 2.4G



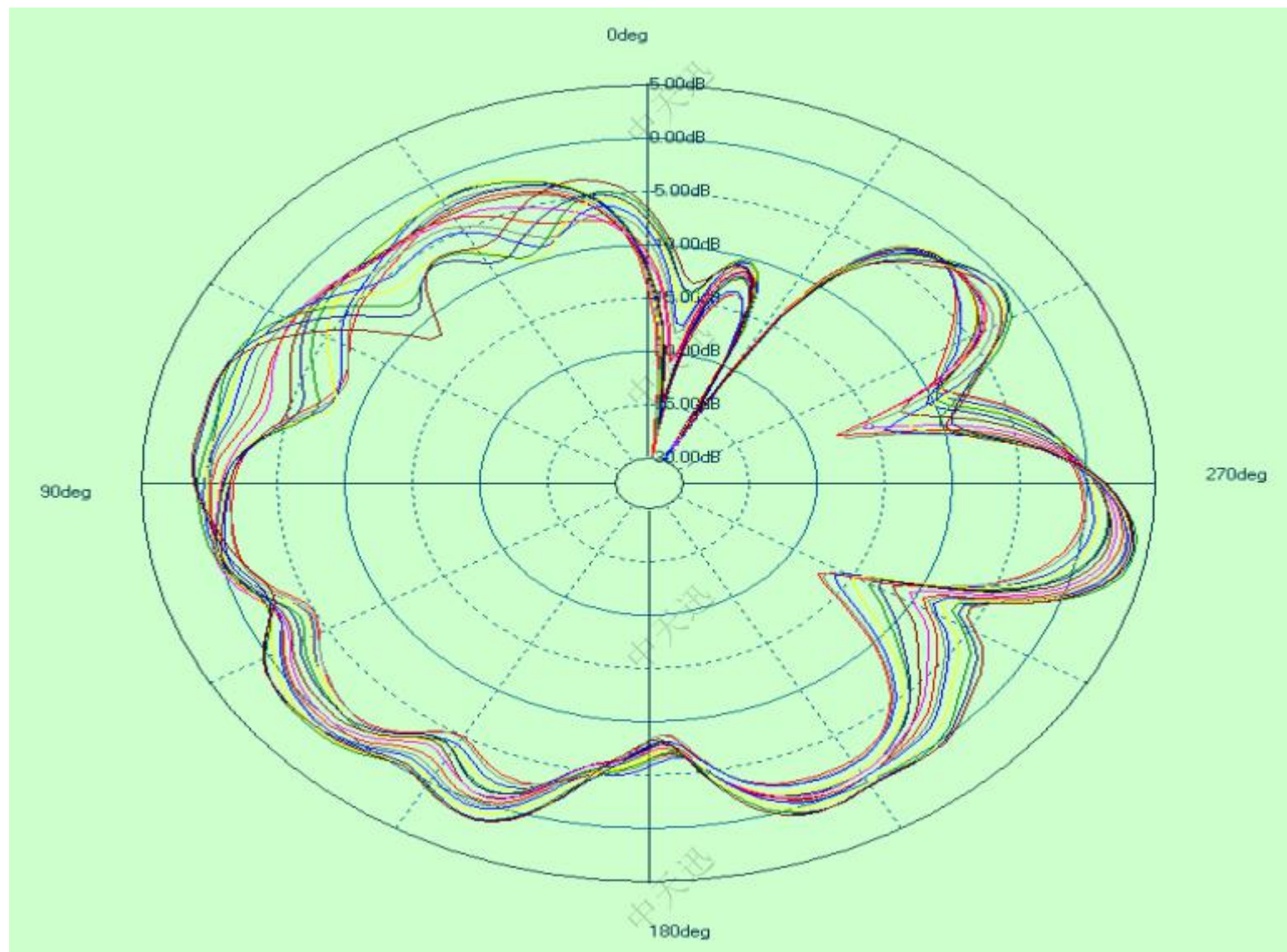
3D辐射图 2.4G



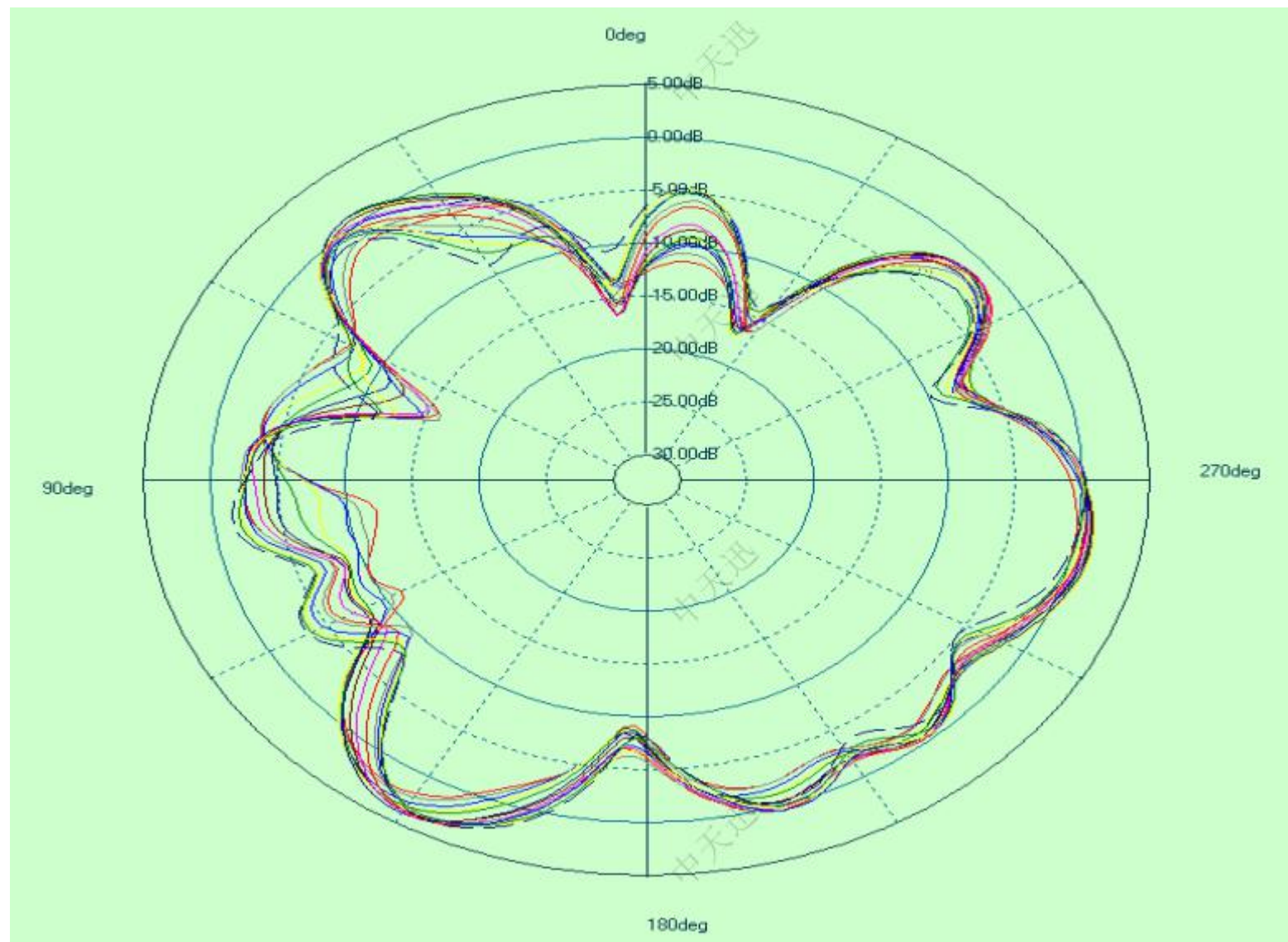
XOY面 (Z=0) 5G



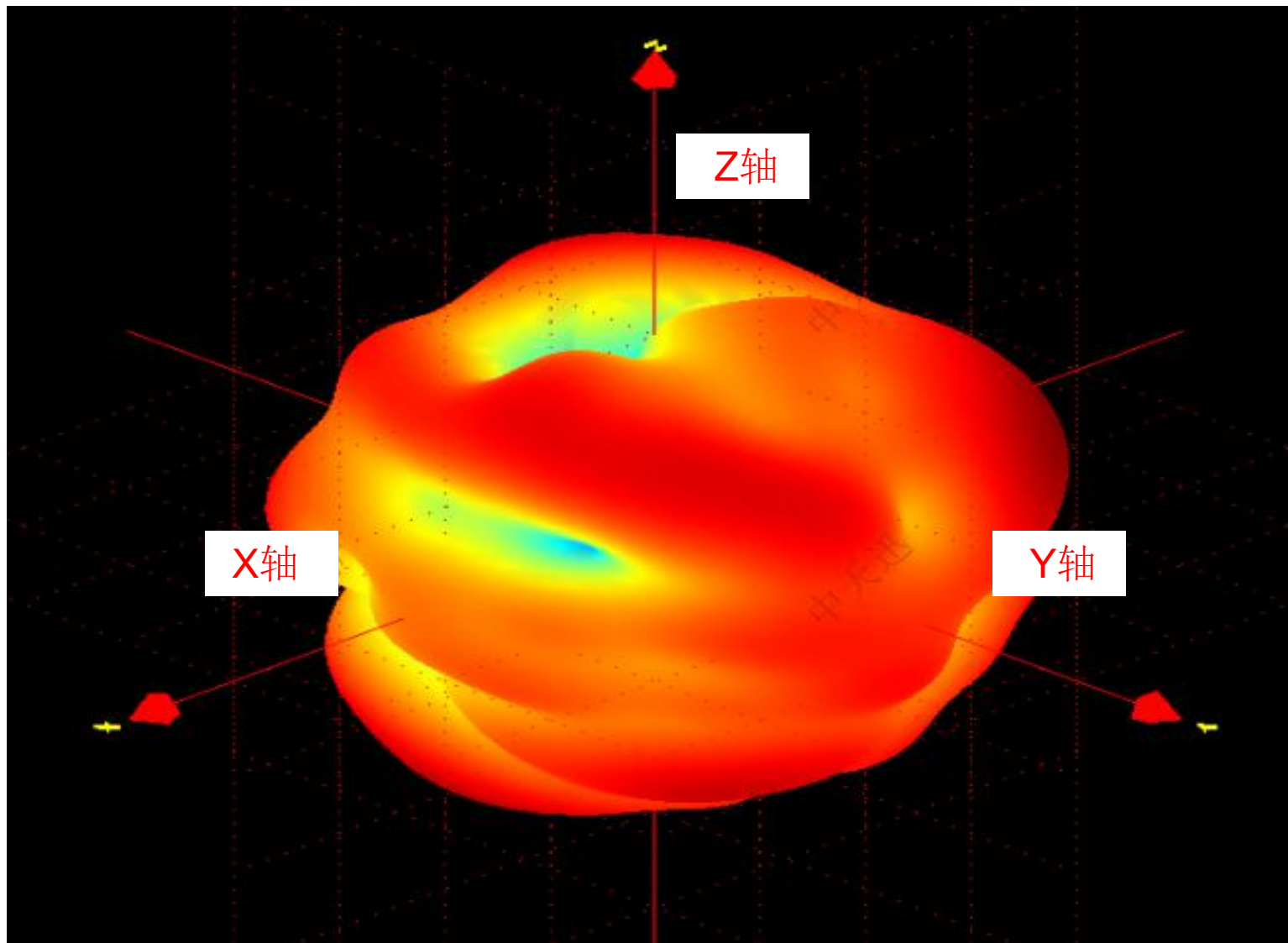
XOZ面 (Y=0) 5G



Y0Z面 (X=0) 5G



3D辐射图 5G

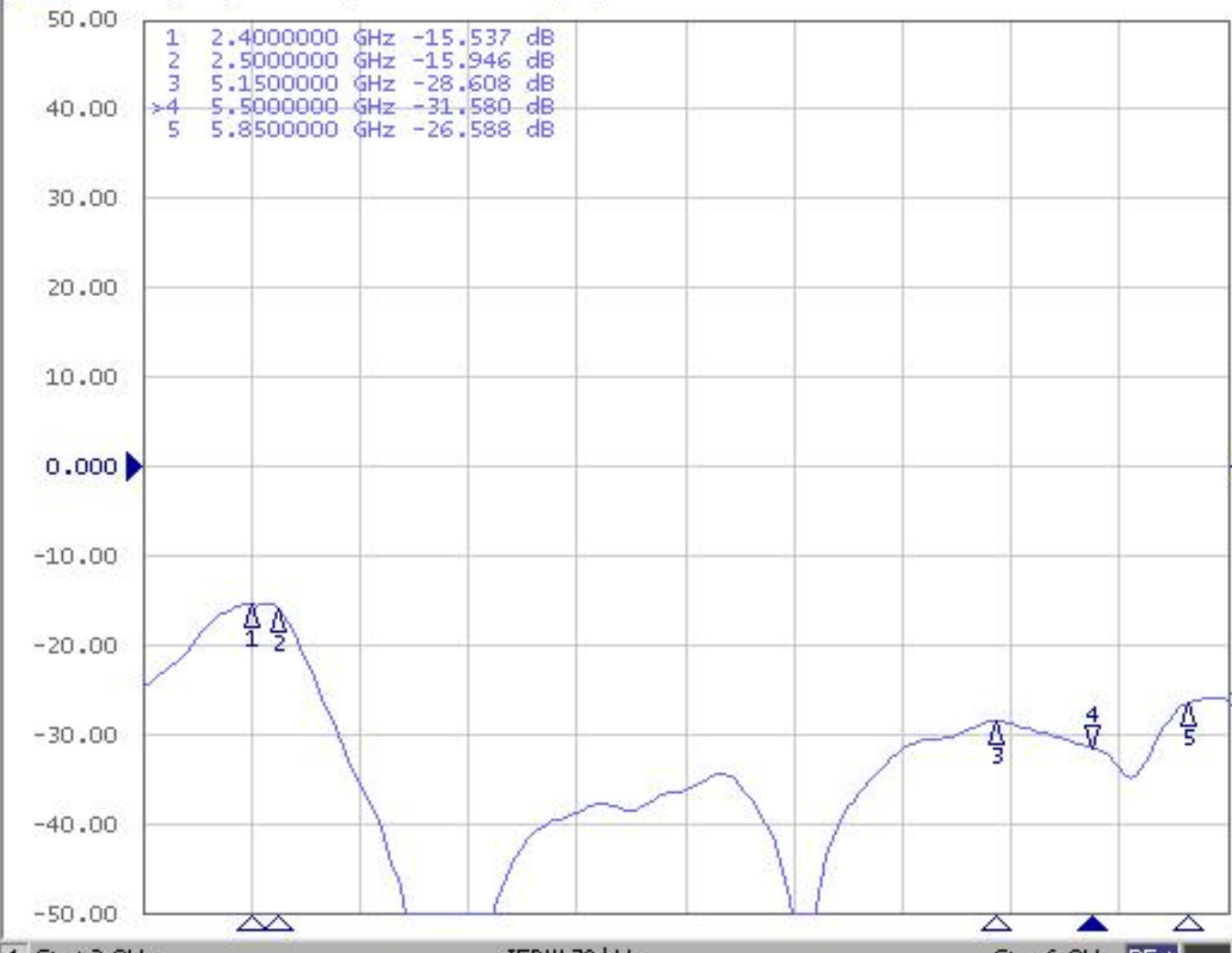


测试数据 (WIFI 天线与BT 天线隔离度)

Test Data (Isolation Between WIFI Antenna and BT Antenna)

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

▶ Tr1 541 Log Mag 10.00dB/ Ref 0.000dB [M]



Display

Allocate Channels

Num of Traces
1

Allocate Traces

Display Mem

Data -> Mem

Data Math
OFF

Equation Editor...

Equation
OFF

Edit Title Label