

SY-C9 规格承认书

客户名称 / Customer	Insta360
供应商 / Supplier	Shenzhen Zhongtianxun Communication Technology Co., LTD
供方料号 / Supplier P/N.	2.00001982
时间 / Time	2025年12月11日
版本 / Version	A0
型号/Model No.	ZTX-SY-C9-WIFI-1

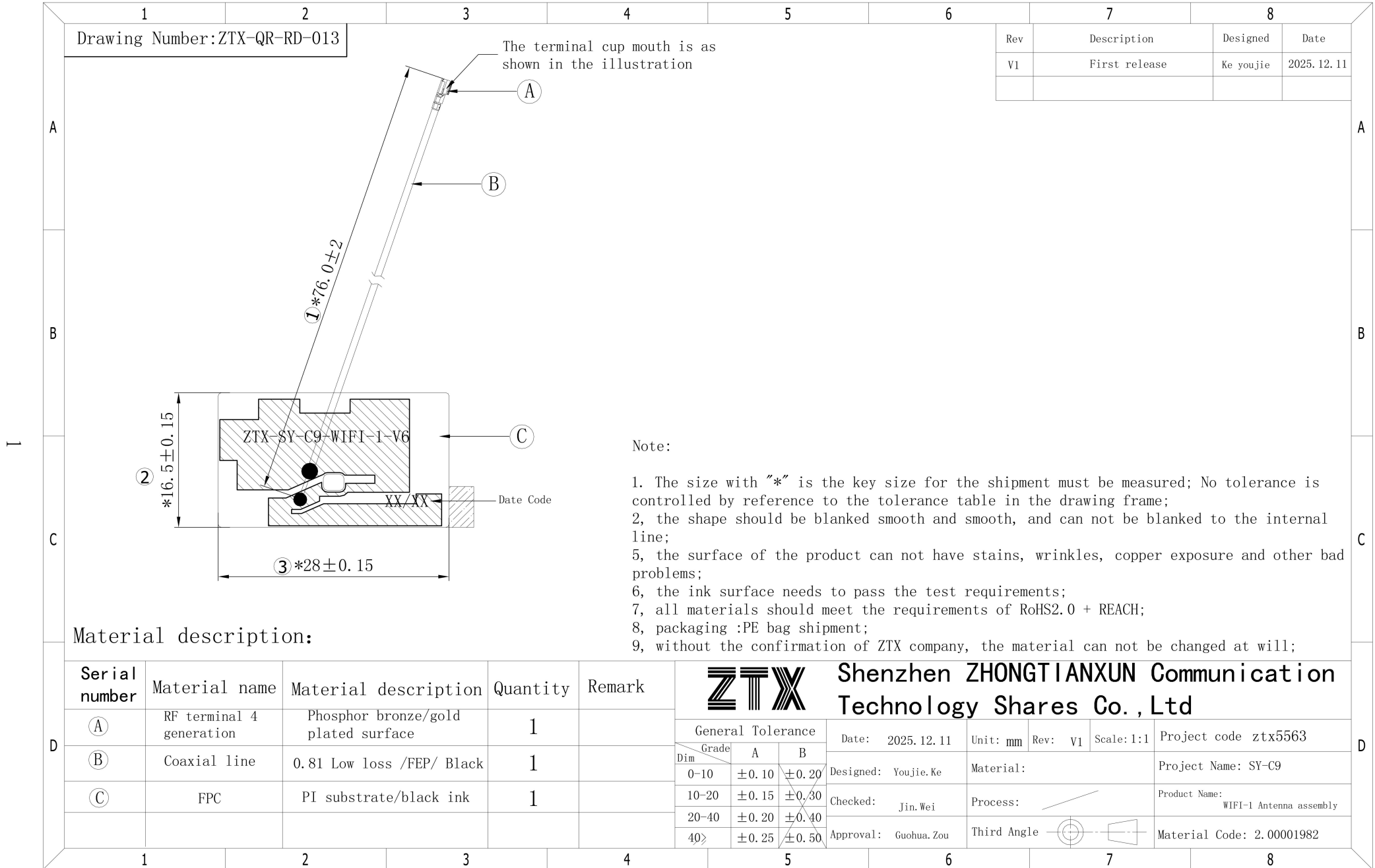
供应商会签 Approval			
批准 Approval	品质承认 QA Approval	工程承认 PE Approval	研发承认 RD Approval
Guohua. Zou	Lei. Cheng	Youji. Ke	Jin. Wei

客户承认 Customer Approval			
批准 Approval	品质承认 QA Approval	研发承认 RD Approval	采购承认 PUR Approval

Note: Co-signing requires manual signature confirmation;

目录 Index

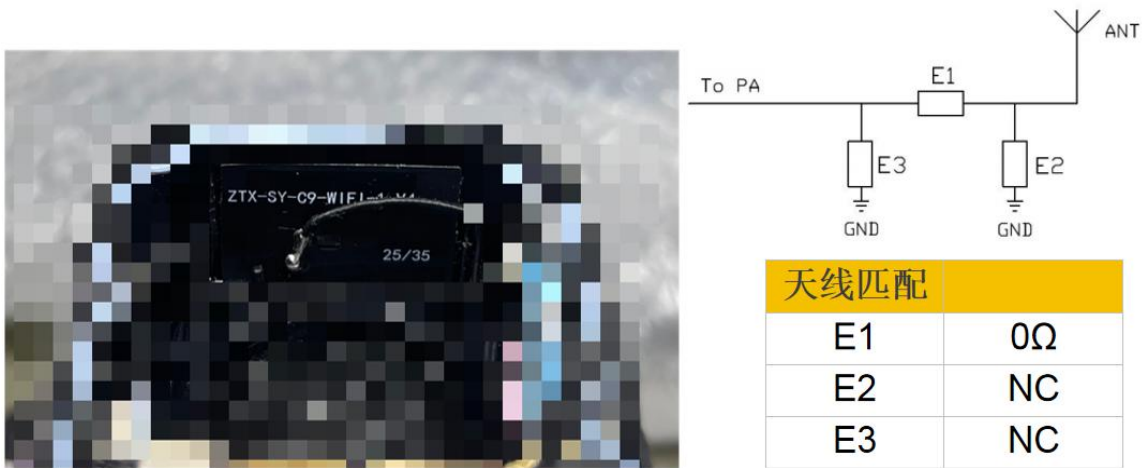
1.2D drawing	1
2.AntennaTest Report.....	2~5

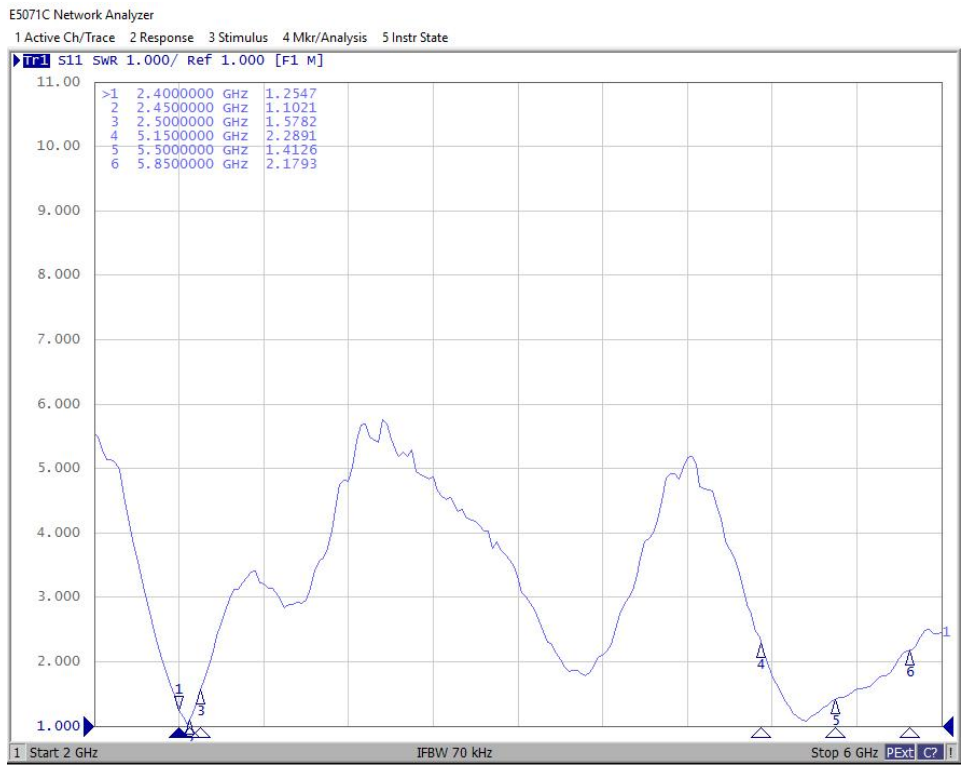


Basic Specifications

Specification	Descriptions
Model Name	ZTX-SY-C9-WiFi-1
Frequency	2.4~2.483GHz&5.15~5.875GHz
Connector Type	I-PEX
Gain	1.6dBi@2.4~2.4835GHz 3.3dBi@5.15~5.25GHz 3.3dBi@5.725~5.85GHz
Antenna manufacturer company name	Shenzhen ZTX Communication Technology Co.,LTD
Antenna manufacturer company address	No.34,Shilong Avenue,Shiyan Town,Baoan District,Shenzhen,(Tengda Industrial Park)

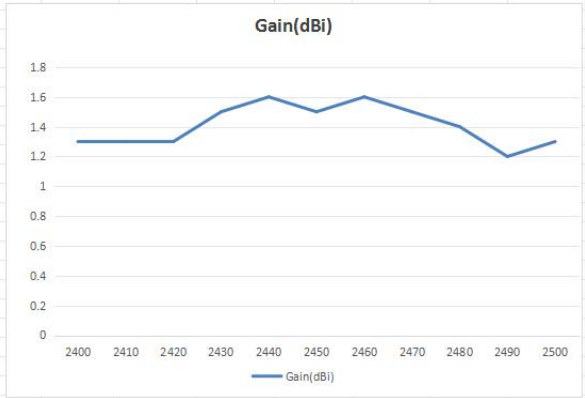
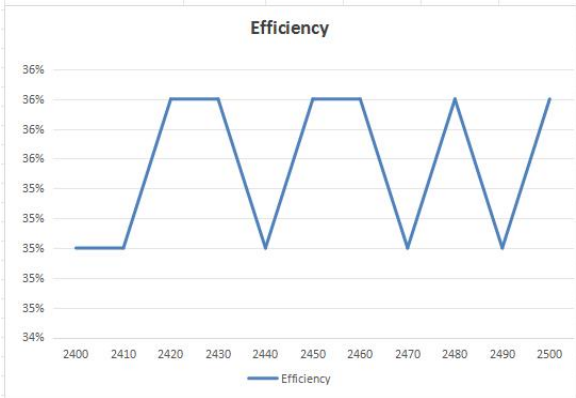
matching circuit



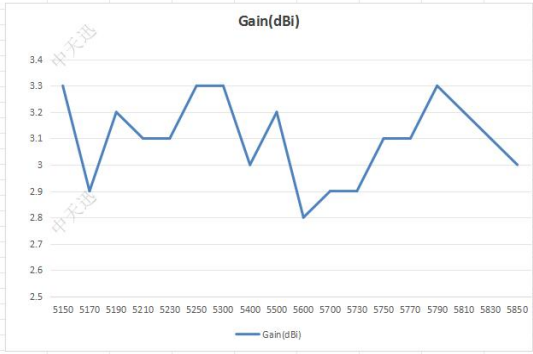
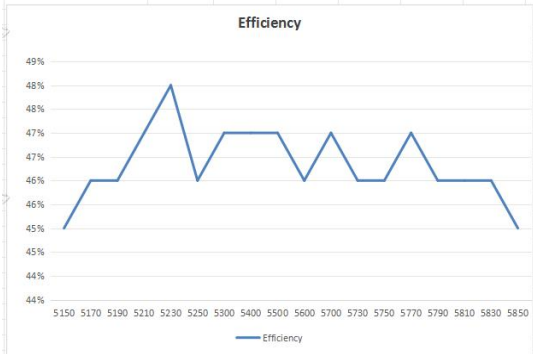


Gain&Efficiency

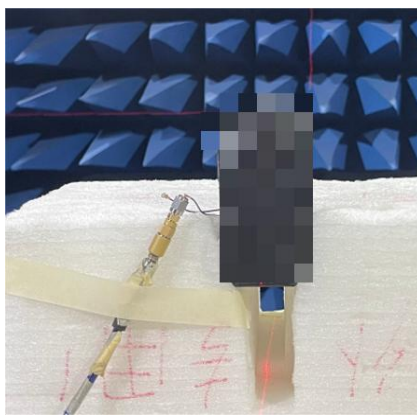
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency	35%	35%	36%	36%	35%	36%	36%	35%	36%	35%	36%
Efficiency (dB)	-4.6	-4.6	-4.4	-4.4	-4.6	-4.4	-4.4	-4.6	-4.4	-4.6	-4.4
Gain (dBi)	1.3	1.3	1.3	1.5	1.6	1.5	1.6	1.5	1.4	1.2	1.3



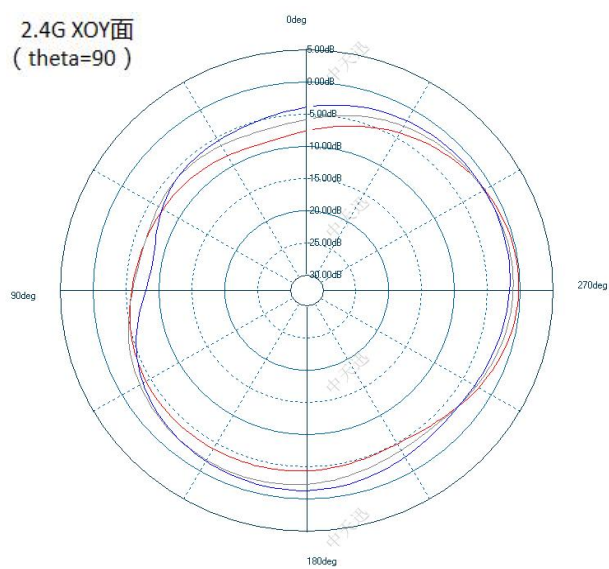
Frequency (MHz)	5150	5170	5190	5210	5230	5250	5300	5400	5500	5600	5700	5730	5750	5770	5790	5810	5830	5850
Efficiency	45%	46%	46%	47%	48%	46%	47%	47%	47%	46%	47%	46%	46%	47%	46%	46%	46%	45%
Efficiency (dB)	-3.5	-3.4	-3.4	-3.3	-3.2	-3.4	-3.3	-3.3	-3.3	-3.4	-3.3	-3.4	-3.4	-3.3	-3.4	-3.4	-3.4	-3.5
Gain (dBi)	3.3	2.9	3.2	3.1	3.1	3.3	3.3	3	3.2	2.8	2.9	2.9	3.1	3.1	3.3	3.2	3.1	3.0



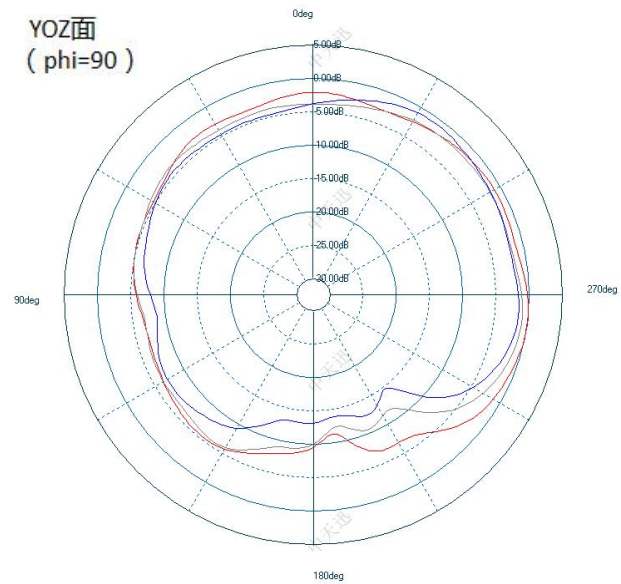
2D/3D Radiation pattern



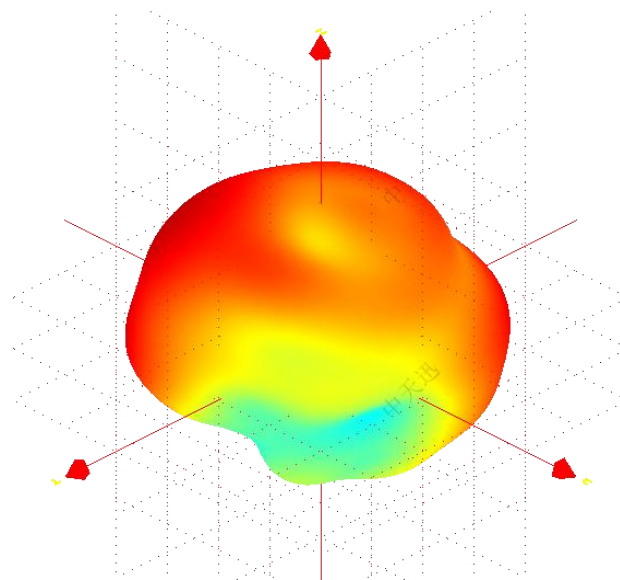
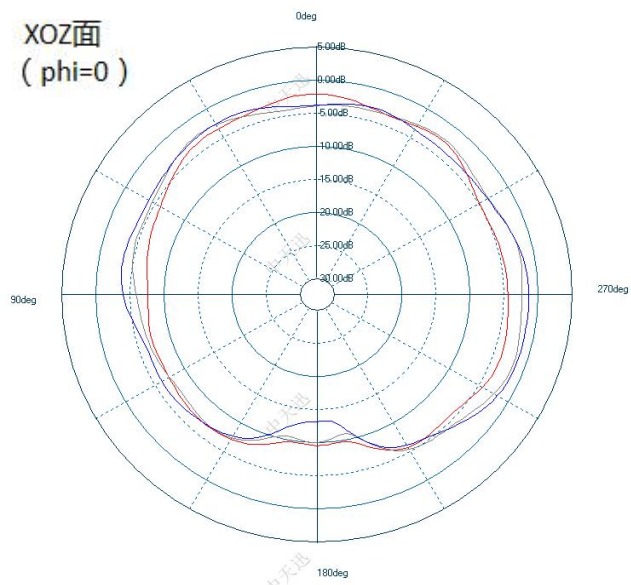
2.4G XOY面
($\theta=90^\circ$)



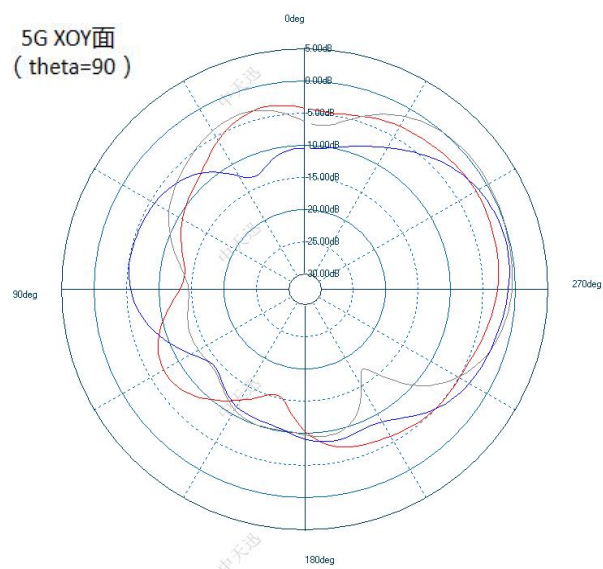
YOZ面
($\phi=90^\circ$)



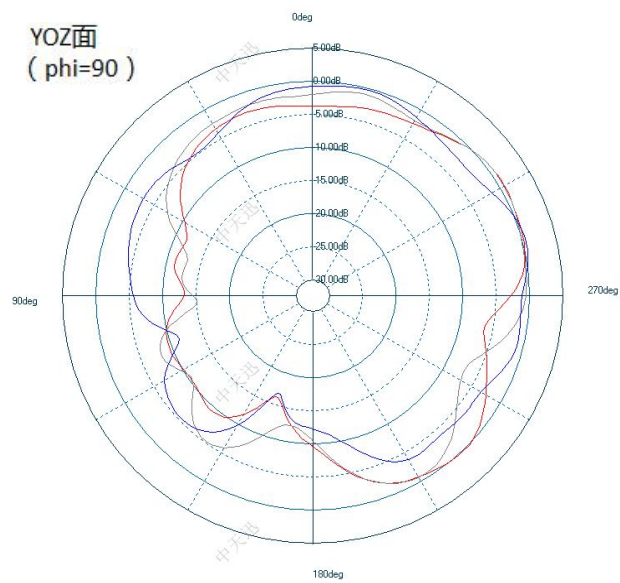
XOZ面
($\phi=0^\circ$)



5G XOY面
($\theta=90^\circ$)



YOZ面
($\phi=90^\circ$)



XOZ面
($\phi=0^\circ$)

