

K3-Antenna Specification

Summary of testing information

Project Personnel			
RF	Jianneng Feng	structure	Le Qin
to examine	Jin Wei	business)	Wanli Yang
Company Address	No. 34 Shilong Avenue, Shiyan, Bao'an, Shenzhen		
project information			
entry name	k3	Model version	v1
Antenna type	fpcb	Solution Company	ZTX
Antenna system	2.4G+5g	date	2024.1.29

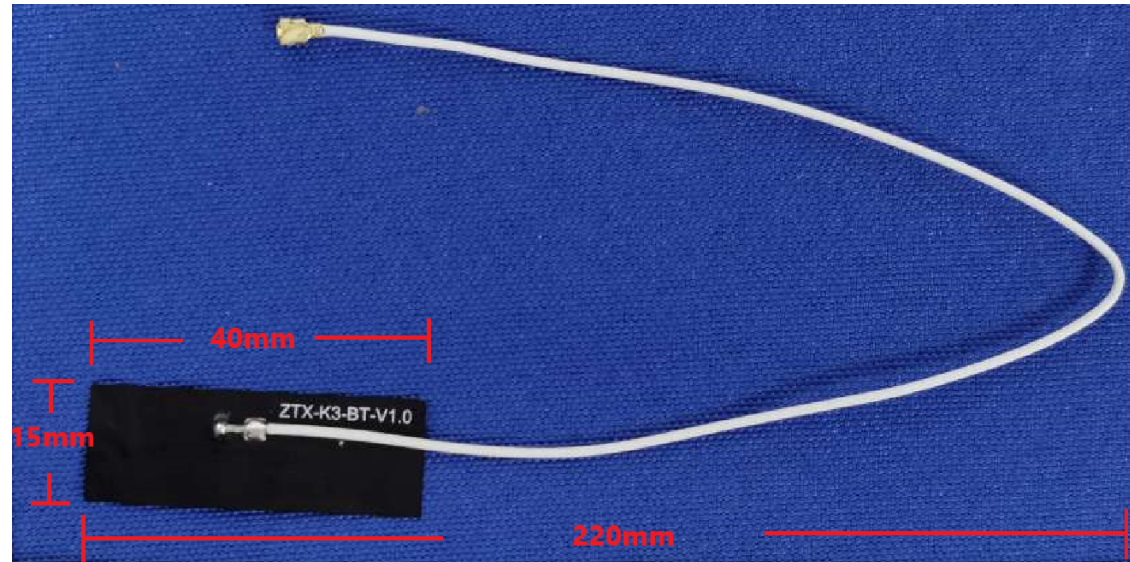
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TEL:0755-27588360 /27572127 FAX:0755-27588320

1Website:www.chinaztx.com

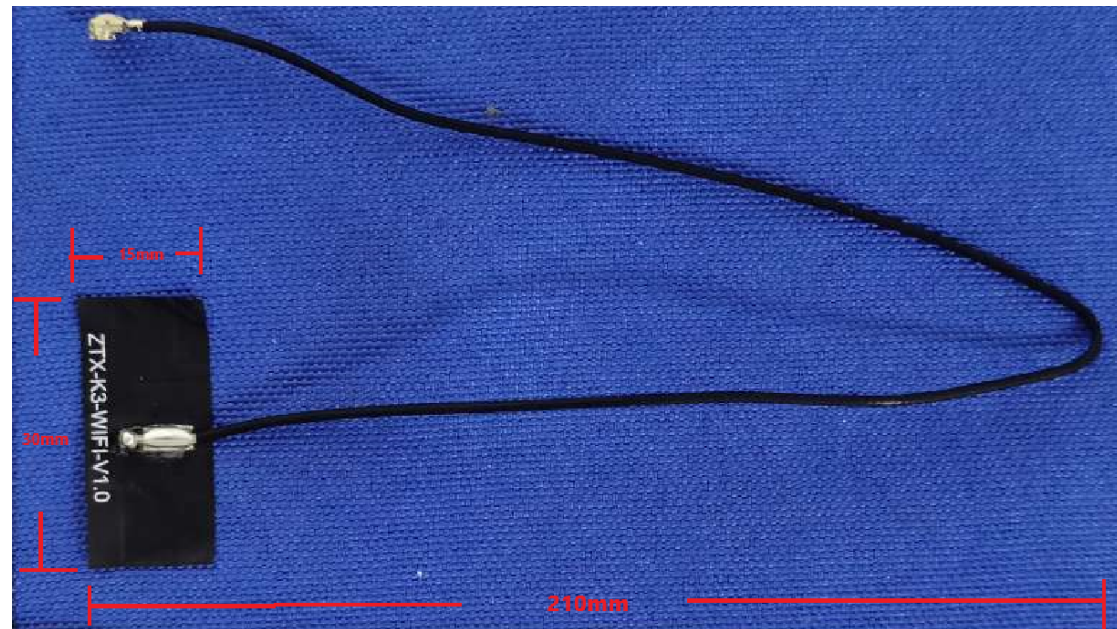
Antenna view(BT):

Length * Width (220mm * 15mm)

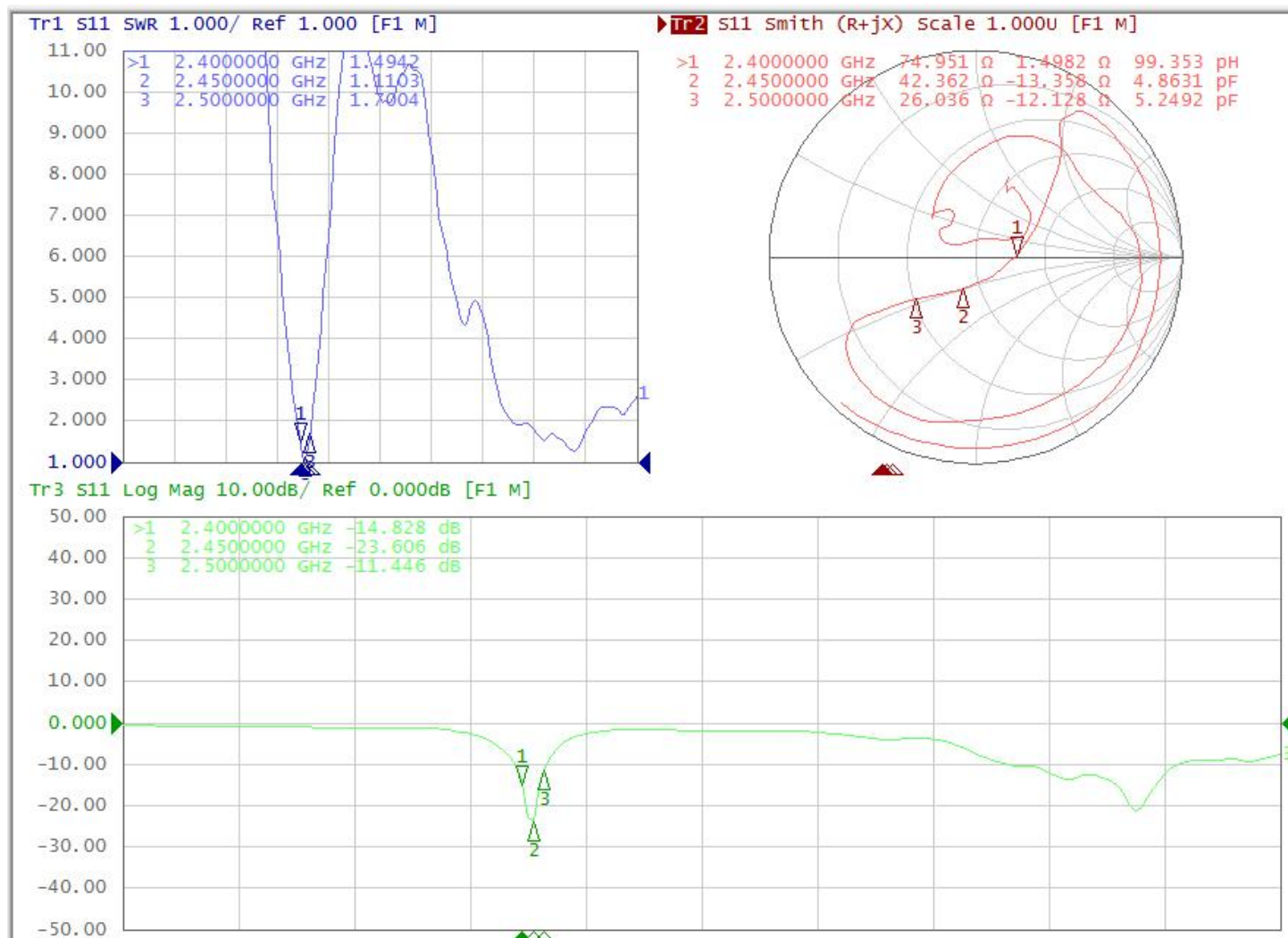


Antenna view(WiFi):

Length * Width (210mm * 30mm)



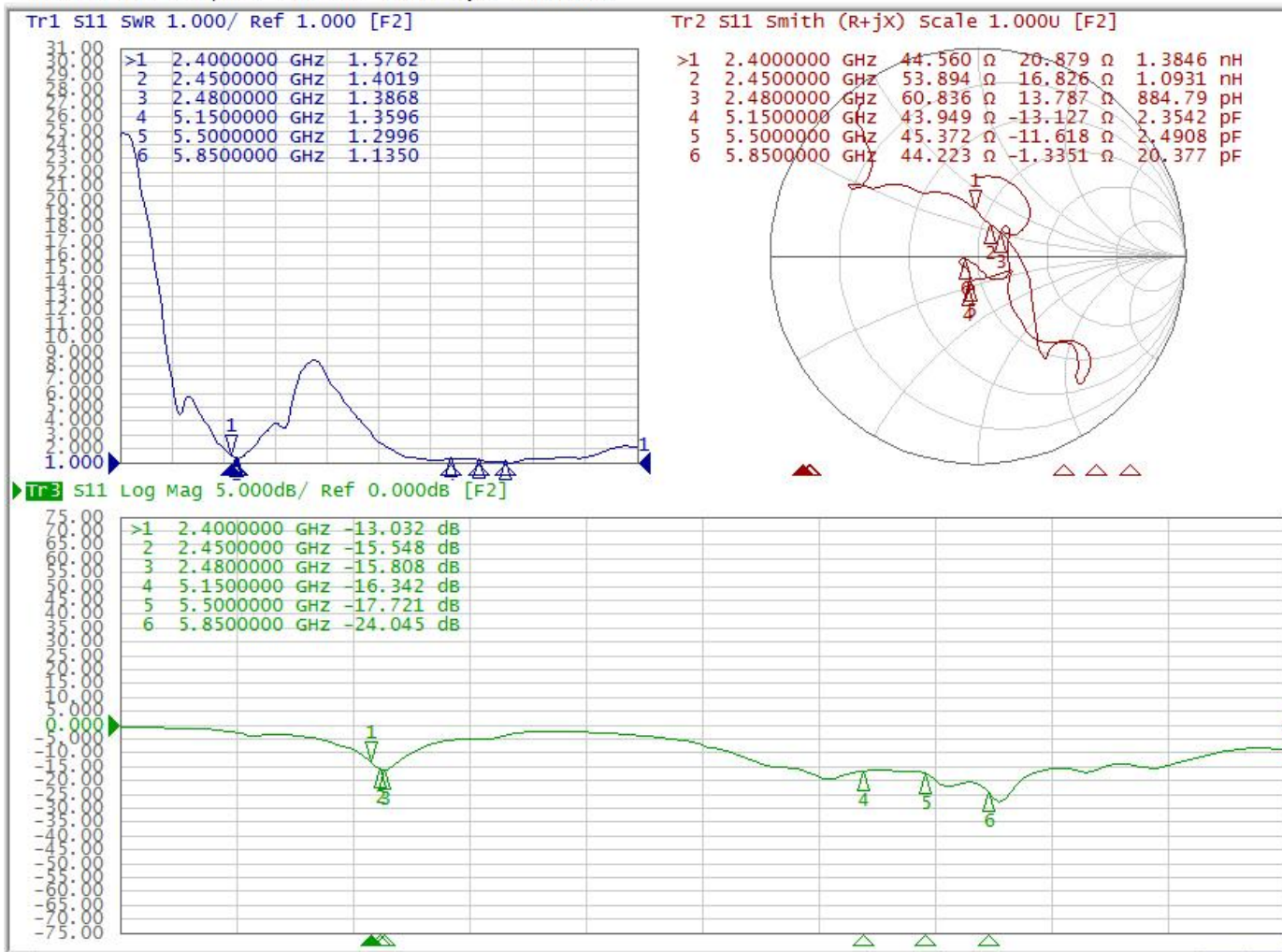
Antenna BT test data: VSWR



Antenna WiFi test data: VSWR

E5071C Network Analyzer

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



Antenna BT test data: efficiency/gain

Frequency	Efficiency	Efficiency . dB	Gain (dBi)
2400	55%	-2.60	4.01
2410	54%	-2.68	4.26
2420	52%	-2.84	4.44
2430	54%	-2.68	4.60
2440	54%	-2.68	4.68
2450	55%	-2.60	4.82
2460	52%	-2.84	4.50
2470	53%	-2.76	4.90
2480	54%	-2.68	5.38
2490	53%	-2.76	5.47
2500	54%	-2.68	5.43

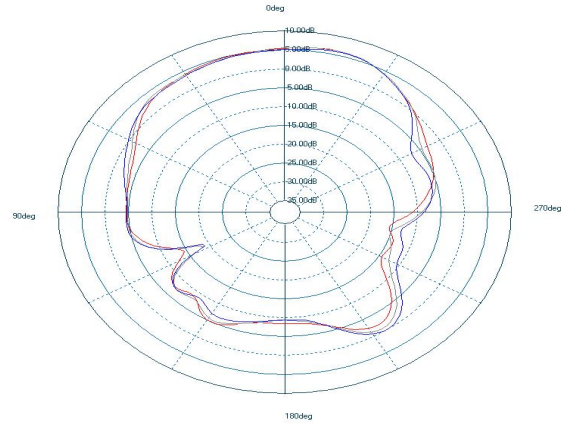
Antenna WiFi test data: efficiency/gain

Frequency	Efficiency	Efficiency . dB	Gain (dBi)
2400	55%	-2.60	2.53
2410	57%	-2.44	2.74
2420	55%	-2.60	3.10
2430	57%	-2.46	3.36
2440	58%	-2.38	3.67
2450	57%	-2.46	3.57
2460	60%	-2.22	3.80
2470	56%	-2.52	3.45
2480	55%	-2.60	3.25
2490	56%	-2.53	3.21
2500	56%	-2.53	3.43

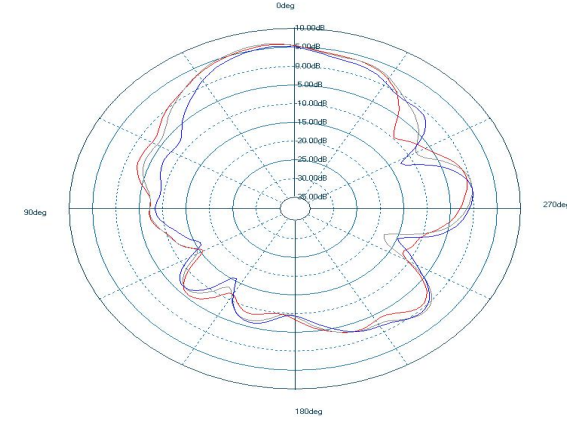
5150	54%	-2.34	2.95
5200	54%	-2.44	3.66
5250	53%	-2.52	3.38
5300	54%	-2.52	4.25
5350	52%	-2.52	4.36
5400	51%	-2.60	4.29
5450	53%	-2.44	4.52
5500	52%	-2.44	4.03
5550	51%	-2.49	3.80
5600	53%	-2.52	3.44
5650	54%	-2.44	3.25
5700	52%	-2.61	3.52
5750	51%	-2.62	3.73
5800	53%	-2.49	3.81
5850	51%	-2.56	4.22

BT-2.4G-directional pattern

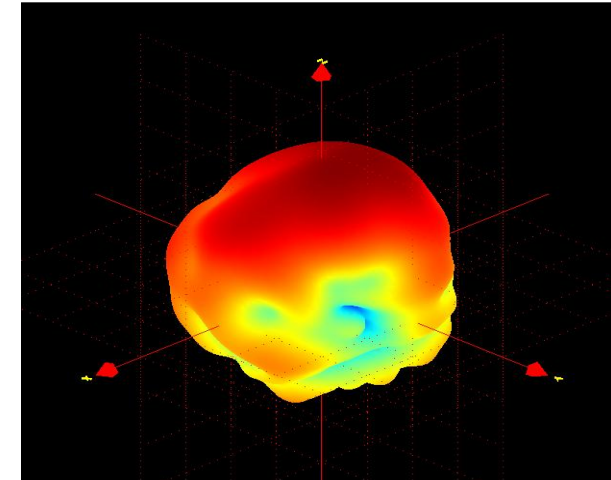
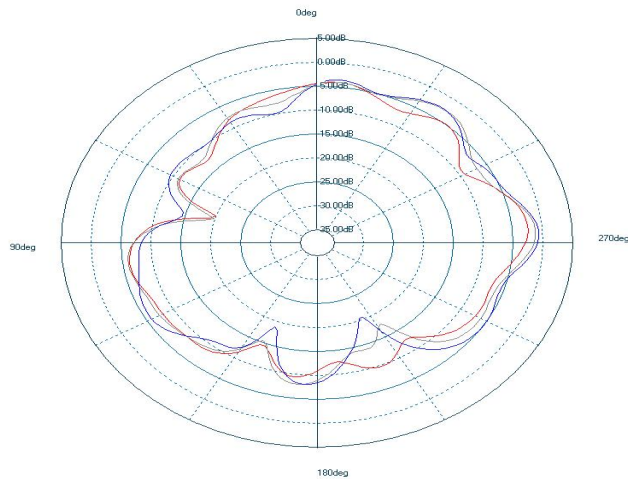
XOZ



YOZ

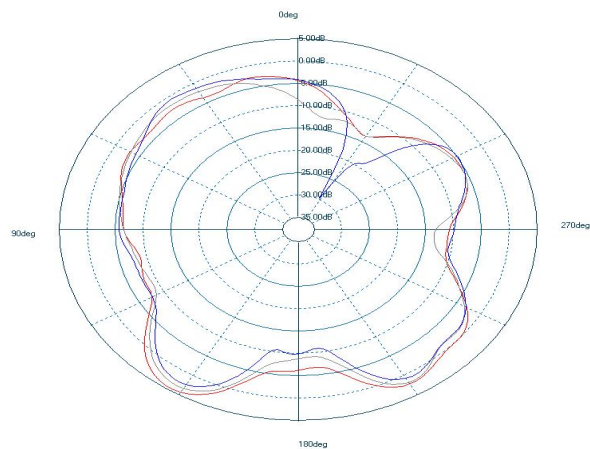


XOY

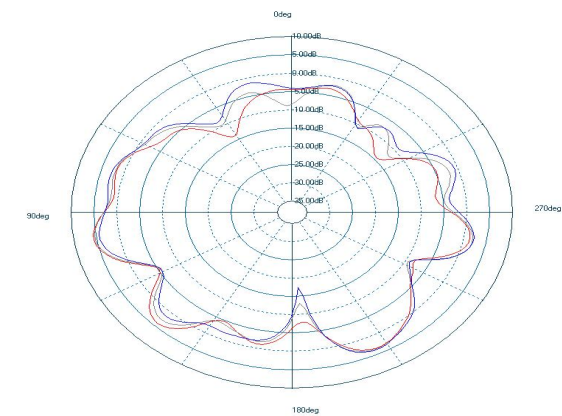


WiFi1-2.4G-directional pattern

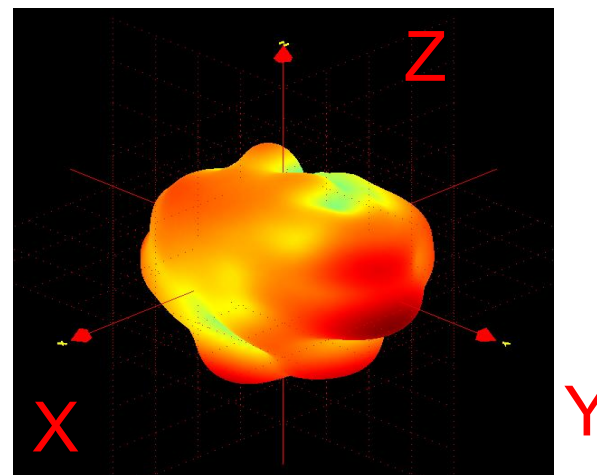
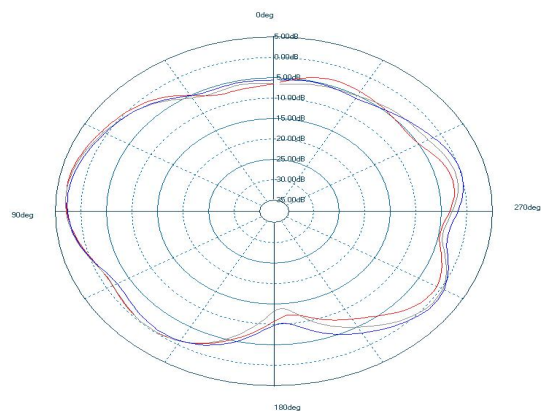
XOZ



YOZ

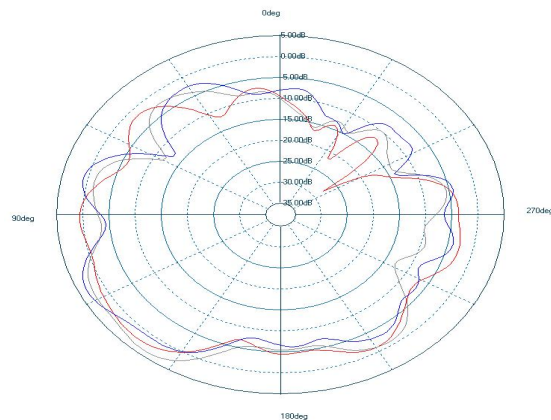


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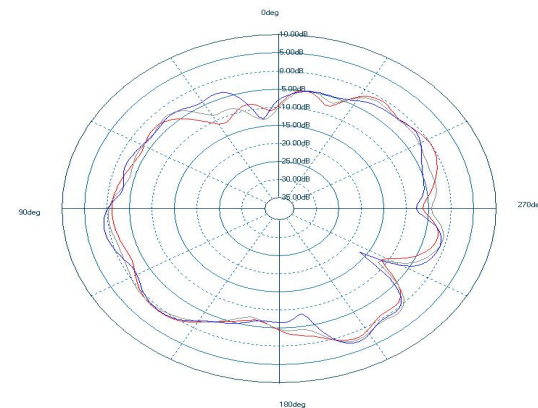


WiFi1-5G-directional pattern

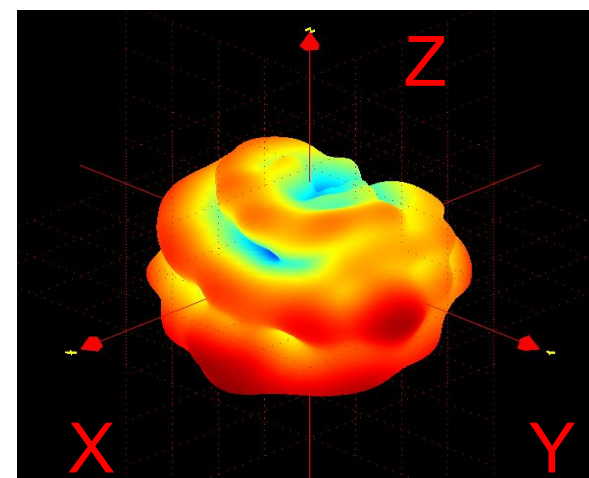
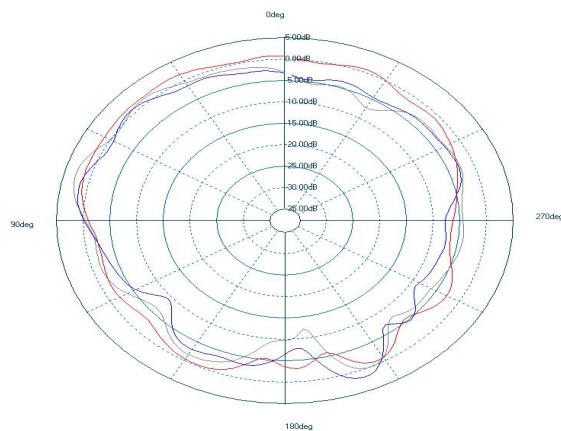
XOZ



YOZ



XOY



Thank You

