

- ※ High gain
- ※ Omni-directional
- ※ Wide bandwidth

※ WCDMA/LTE communication applications

2.4G&5G WiFi

1 2 3 4 5 6 7

版 本 修 改 内 容 修 改 人 日期

E

D

C

B

A

Autodesk 教育版 产品制作

这两处点UV胶

1.48±0.05

29.90±0.15

26.30±0.15

12.00±0.15

⑤ 支架

③ WIFI 2.4G天线

黑色油墨面

① WIFI 5G天线

热熔此处两个热熔柱

25.50±0.30

2*1.80±0.10

④ 一代端子，线长76MM
白色线，扣口朝左

② 一代端子，线长72MM，
黑色线，扣口朝下

技术要求：
1:带“*”为重点检测尺寸；
2:未注公差参照一般公差表；
3:尺寸作参考，以配为准
4:托盘包装
5:产品符合ROHS 2.0，REACH 3.0标准；

上海尚远通讯技术有限公司

序号	零件名称	料号	材料	颜色	数量
⑤	支架	SH22029IB02	ABS+PC	白色	1
④	同轴线	SH22029IW21-5	1代端子	线为白色	1
③	PCB	SH22029IB16-5	PCB	黑色	1
②	同轴线	SH22029IB21-4	1代端子	线为黑色	1
①	PCB	SH22029IB16-4	pcb	黑色	1

④ 一代端子，线长76MM
白色线，扣口朝左

② 一代端子，线长72MM，
黑色线，扣口朝下

TOLERANCE
X.X ±0.25
.XX ±0.20
.XXX ±0.05
ANGULAR ≤±0.5°

UNIT: mm

COLOUR: 本色

SCALE:

REV: LS01

DATE: 2023.3.17

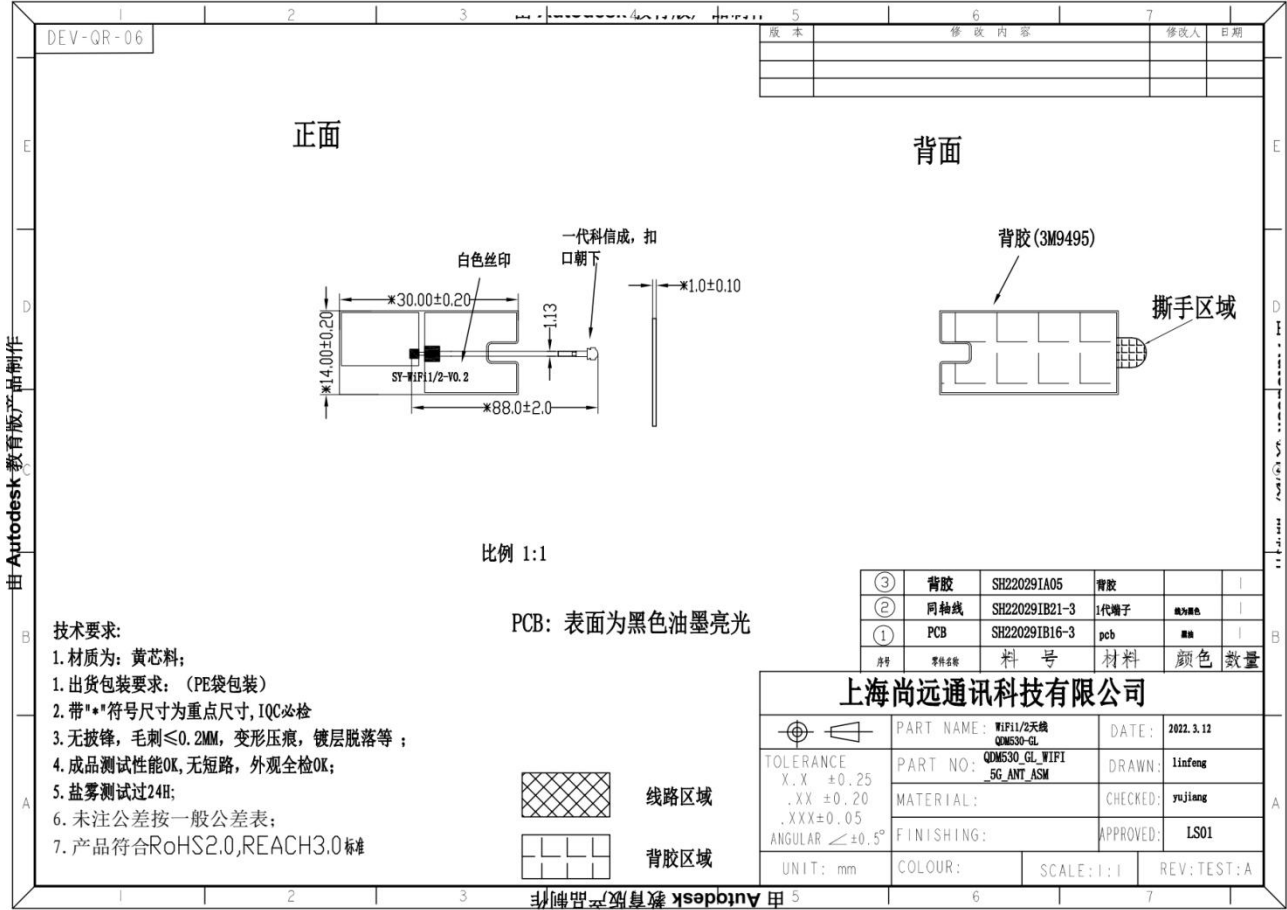
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CHECKED: YUJIANG

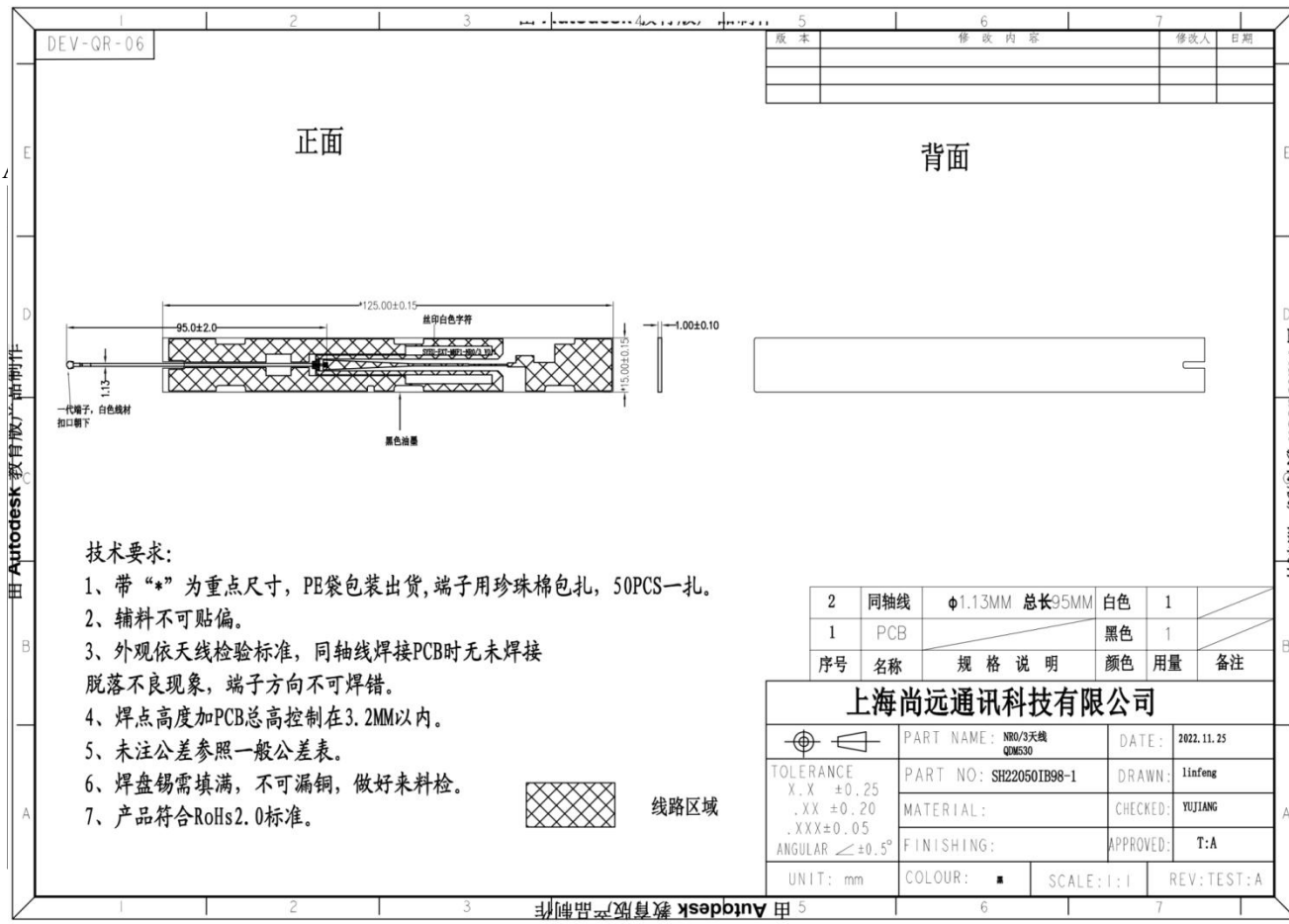
APPROVED:

1 2 3 4 5 6 7

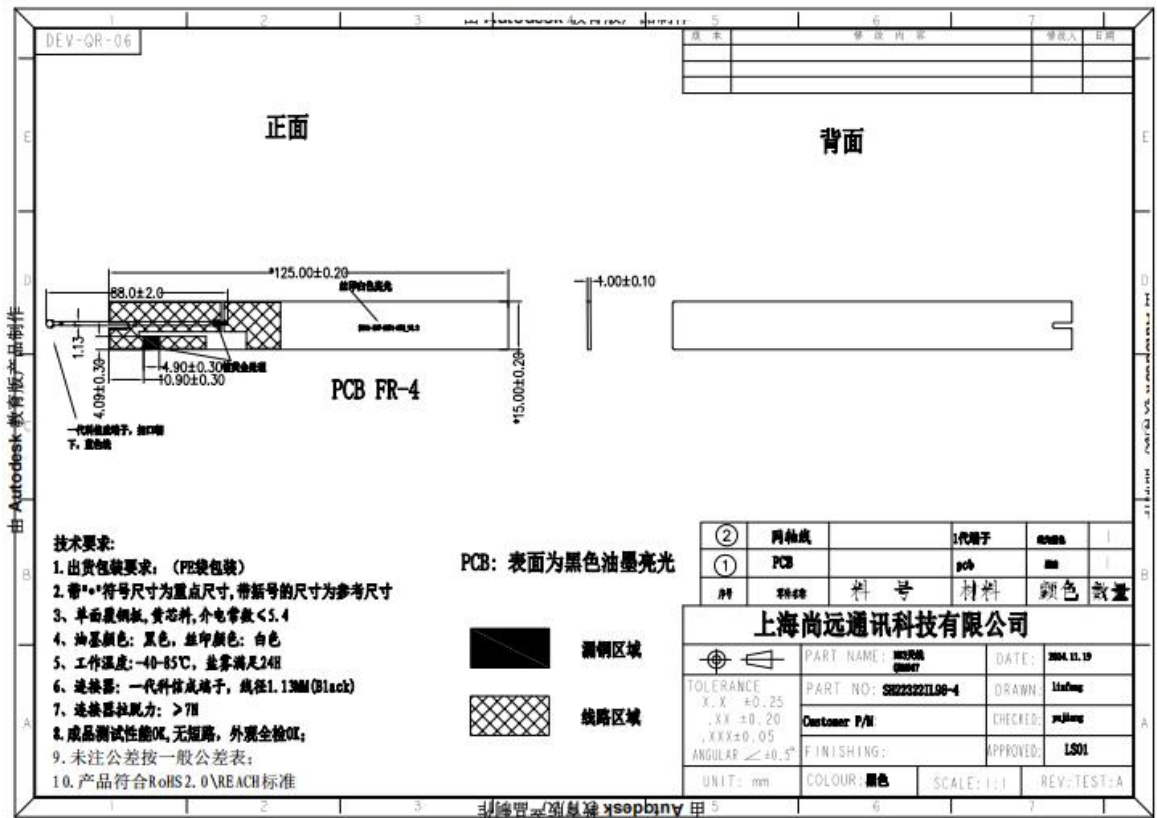
Autodesk 教育版 产品制作



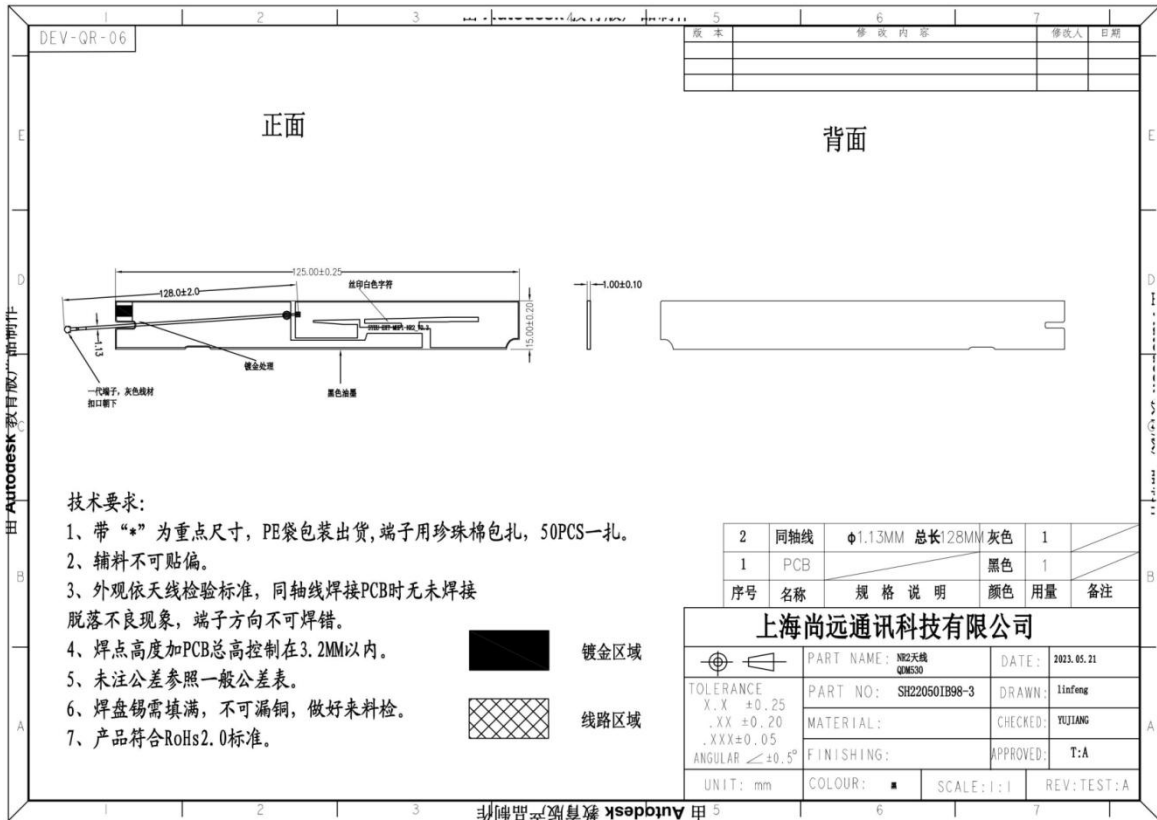
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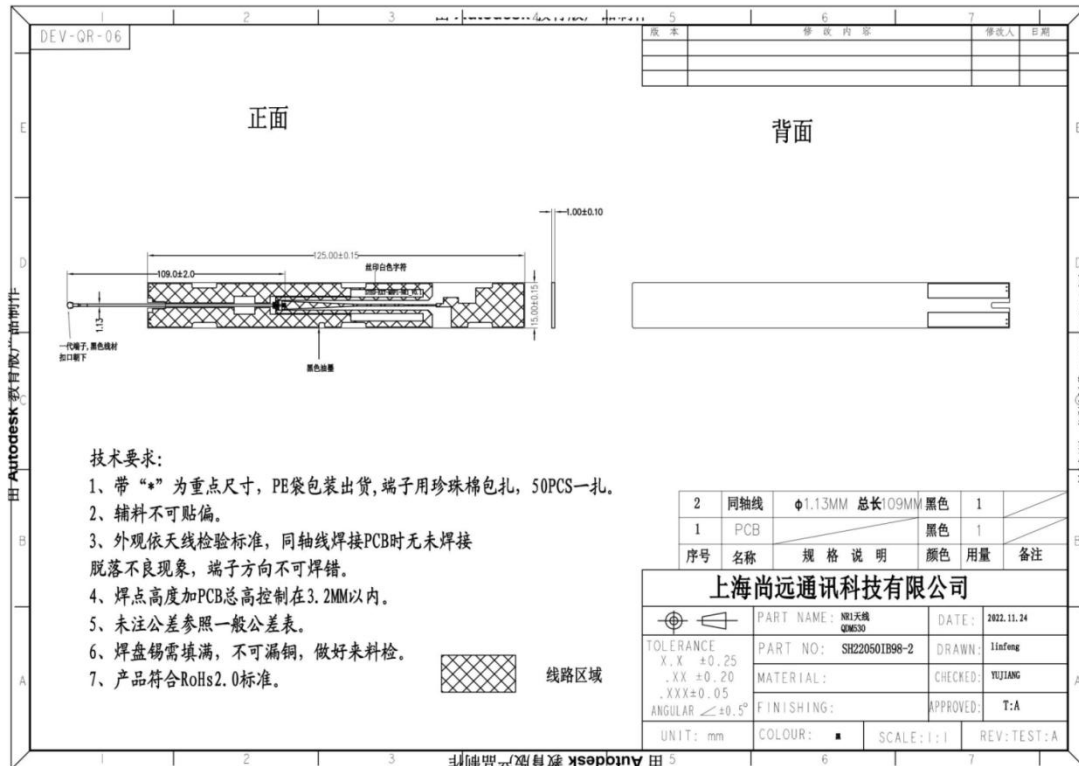
NR3



NR2



NR1



Electric Specifications

TYPE	QDM031	
Transmitter Frequency	NR :3300-4200MHz	
	LTE: 690 – 2690 MHz	
	WIFI: 2400-2500Mhz, 5150-5850Mhz	
Receiver Frequency	NR : 3300-4200 MHz	
	LTE: 690 – 2690 MHz	
	WIFI: 2400-2500Mhz, 5150-5850Mhz	
RF-Output Power (E.I.R.P)	NR: 23+/-3dBm	
	LTE:23+/-3dBm	
Antenna Gain		
	LTE_B2: 3.16dBi LTE_B4: 3.17dBi LTE_B5: 0.8dBi LTE_B7: 2.86dBi LTE_B12: 0.84dBi LTE_B13: 1.86dBi LTE_B14: 1.42dBi LTE_B17: 1.86dBi LTE_B25: 3.16dBi LTE_B26: 0.5dBi LTE_B29: 0.84dBi LTE_B30: 1.28dBi	NR_B2: 3.16dBi NR_B5: 0.8dBi NR_B7: 2.86dBi NR_B12: 0.84dBi NR_B13: 1.86dBi NR_B14: 1.42dBi NR_B25: 3.16dBi NR_B26: 0.5dBi NR_B30: 1.28dBi NR_B38: 2.64dBi NR_B41: 2.46dBi NR_B48: 0.08dBi

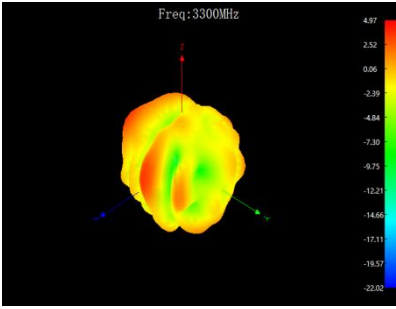
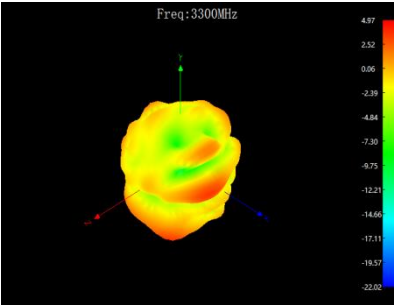
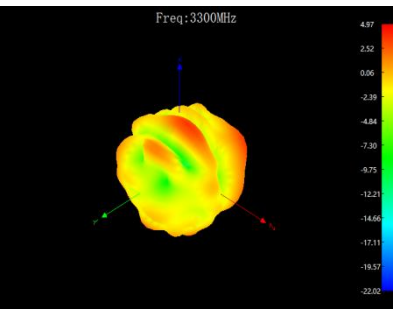
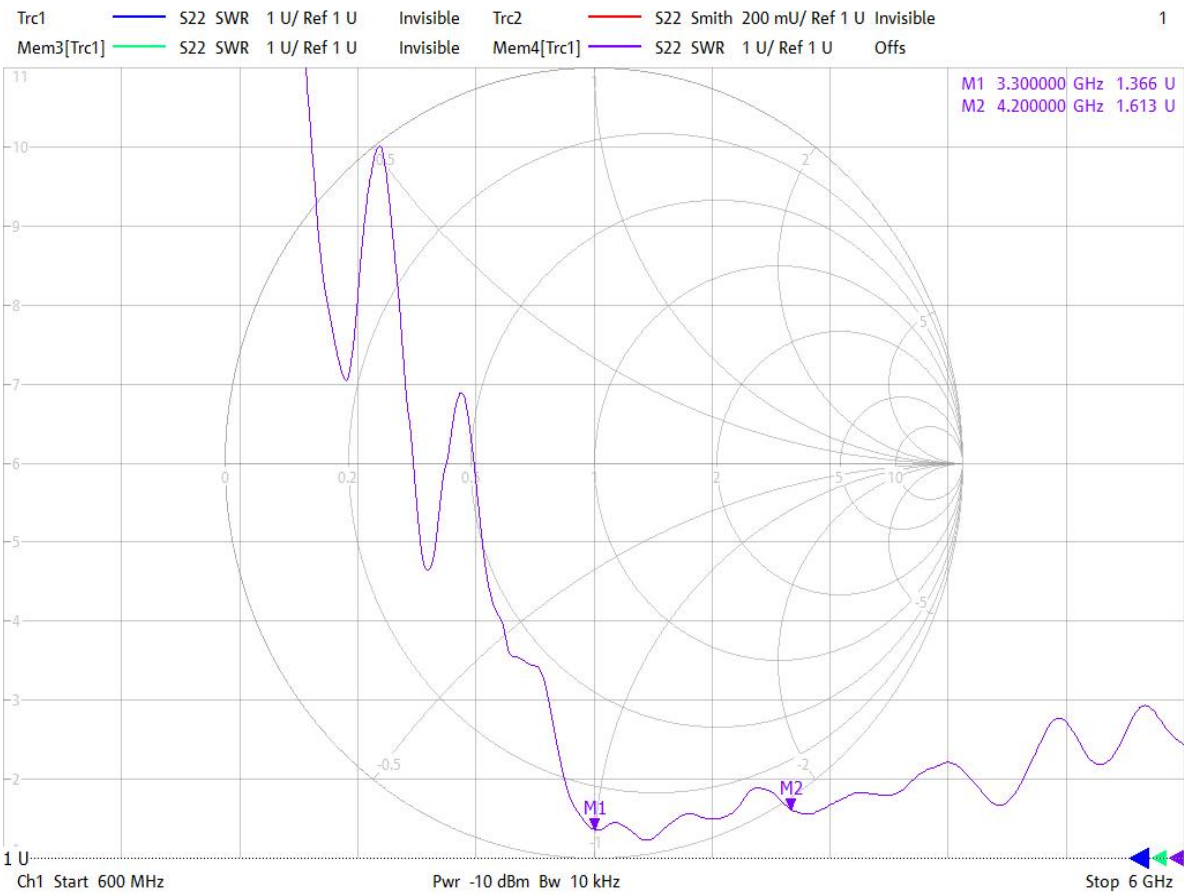
	LTE_B66: 3.17dBi LTE_B71: 0.69dBi LTE_B38: 2.64dBi LTE_B41: 2.46dBi LTE_B42: 3.41dBi LTE_B43: 3.74dBi LTE_B48: 0.08dBi LTE_B46: 4dBi NR_B66: 3.17dBi NR_B70: 3.27dBi NR_B71:0.69dBi NR_B77:3.38dBi NR_B78: 0.88dBi
	2.4GWIFI: 2.5dBi 5G WIFI: 3.3dBi
Type of Modulation	QPSK-16QAM-256QAM

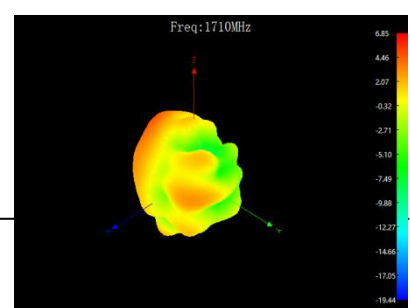
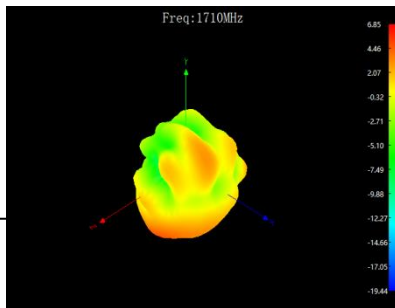
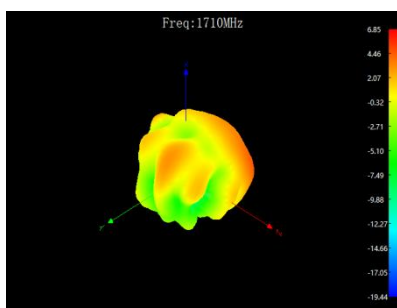
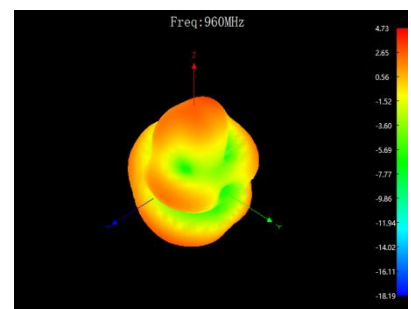
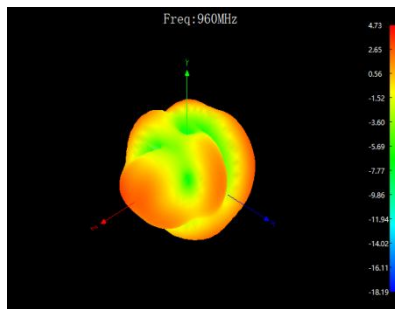
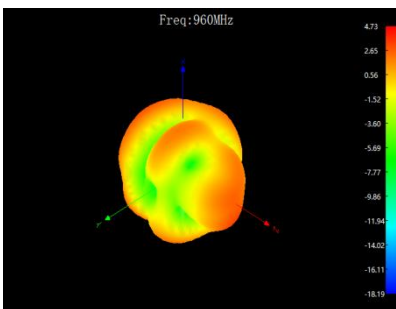
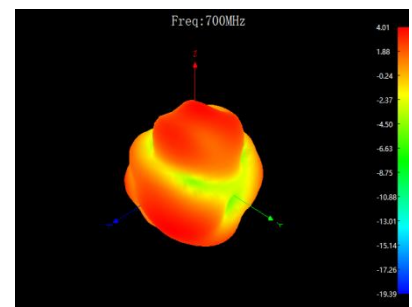
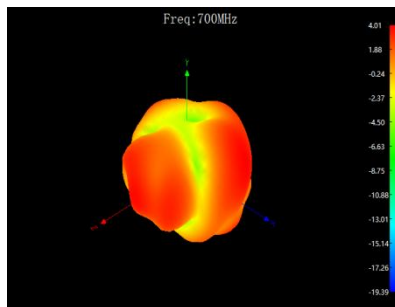
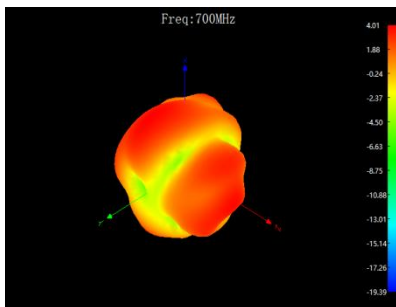
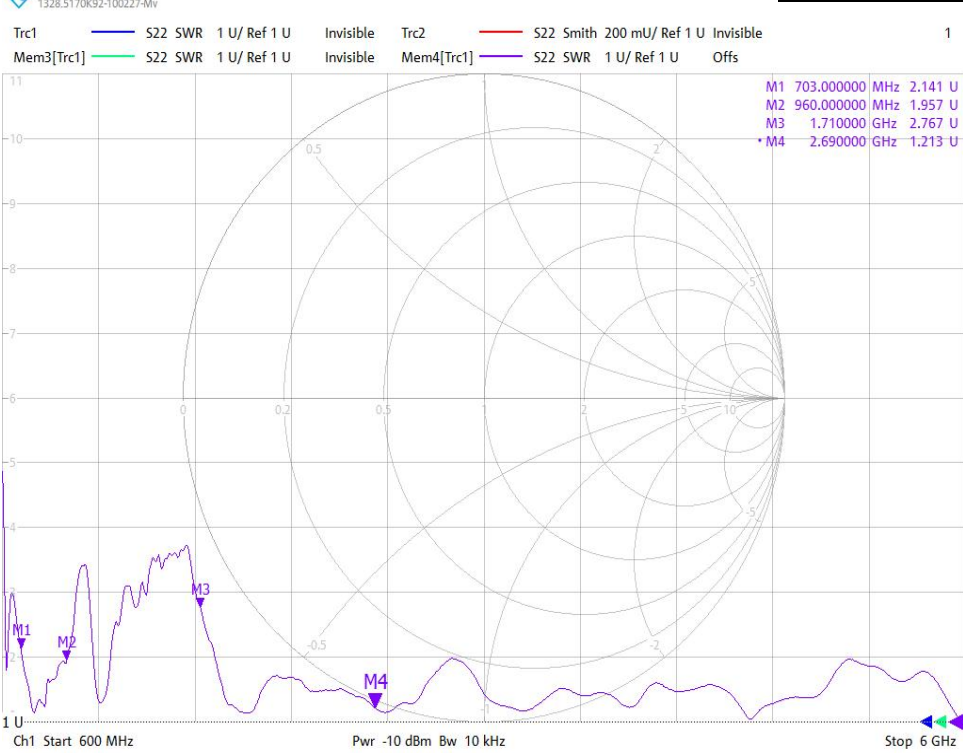
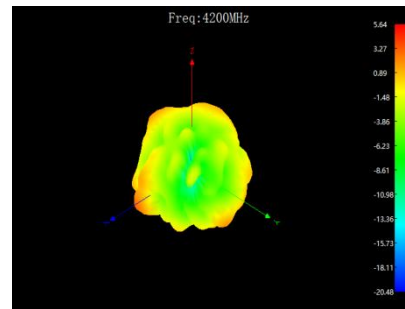
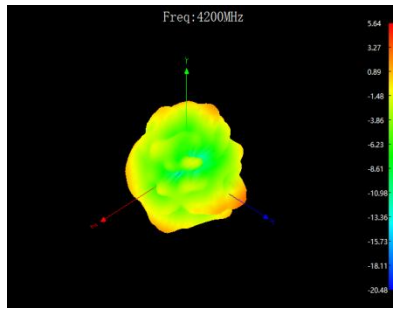
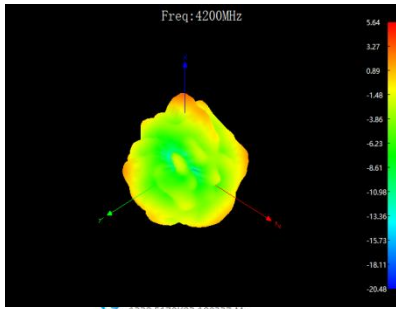
※ Antenna

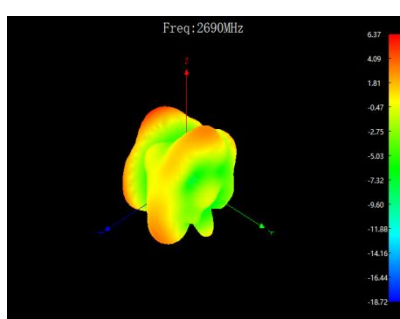
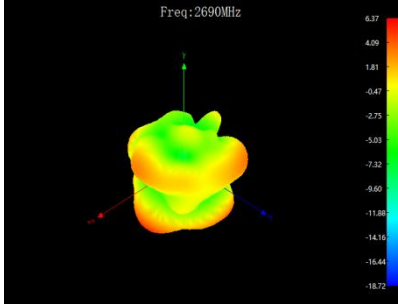
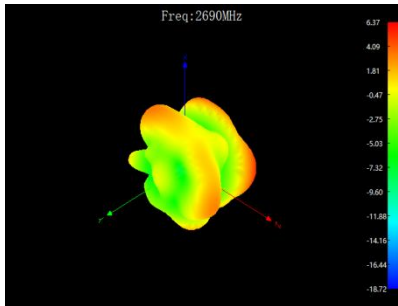
※ VSWR

ANT0

2/16/2023 10:53:22 AM
1328.5170K92-100227-Mv





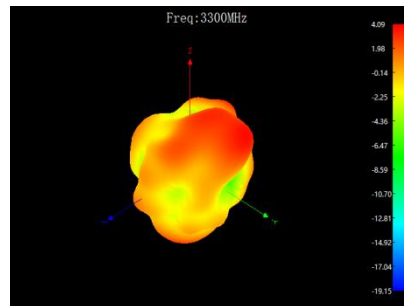
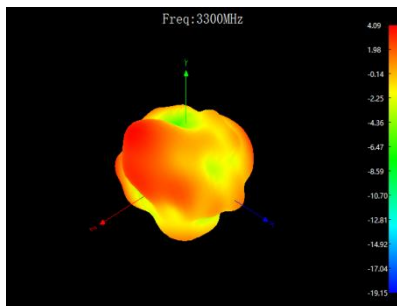
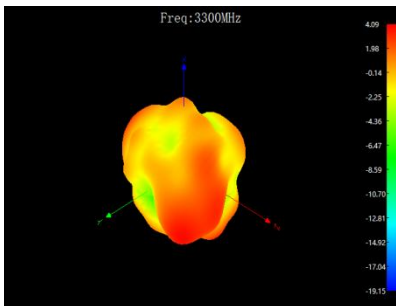
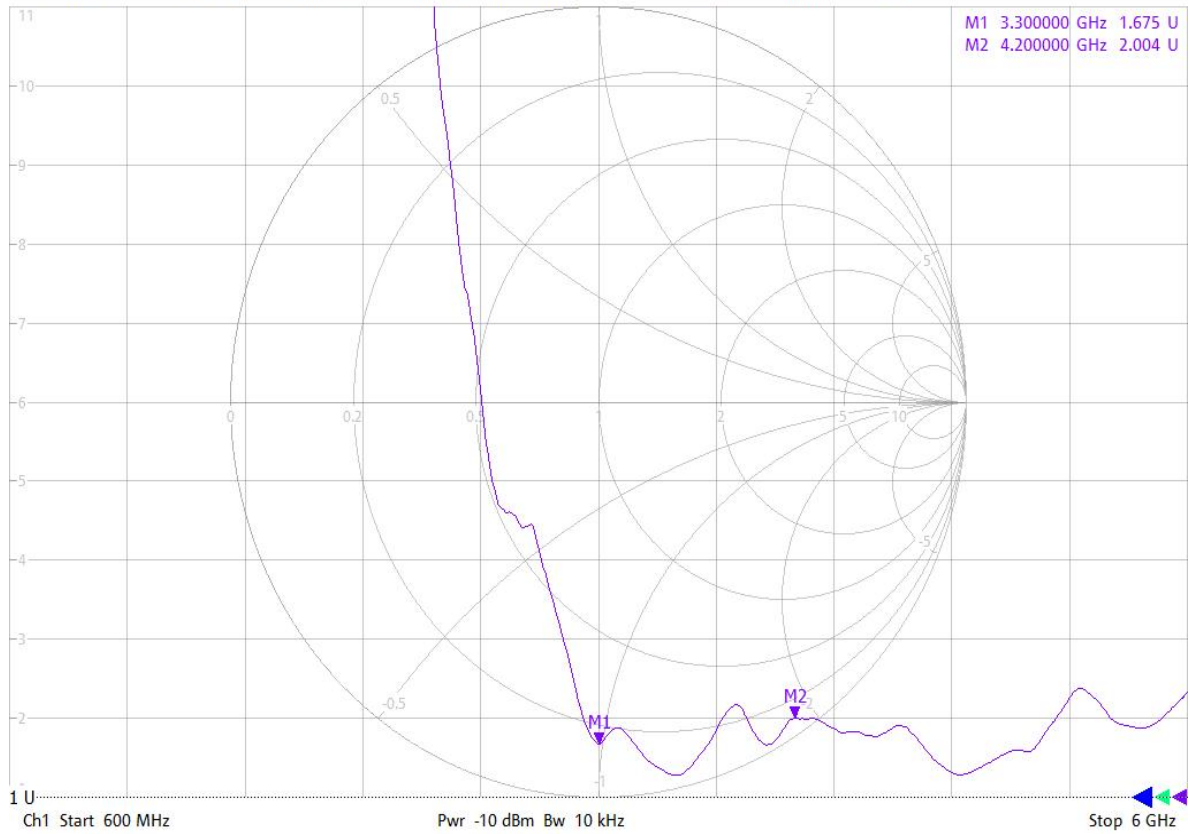


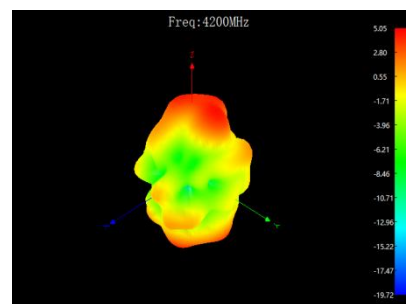
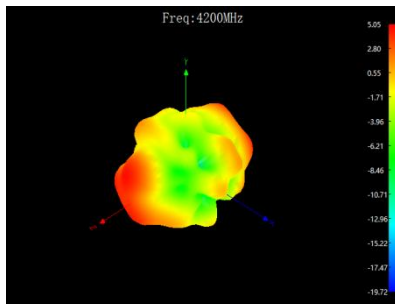
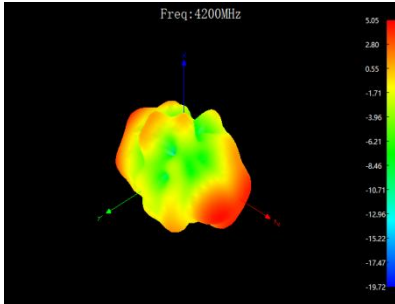
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2/16/2023 10:47:43 AM
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Trc1 S22 SWR 1 U/ Ref 1 U Invisible Trc2 S22 Smith 200 mU/ Ref 1 U Invisible
Mem3[Trc1] S22 SWR 1 U/ Ref 1 U Invisible Mem4[Trc1] S22 SWR 1 U/ Ref 1 U Offs

1



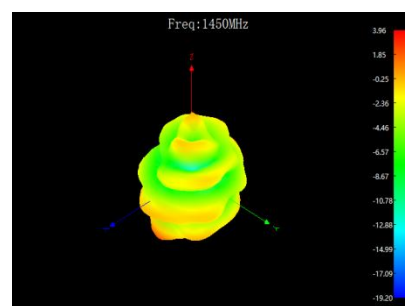
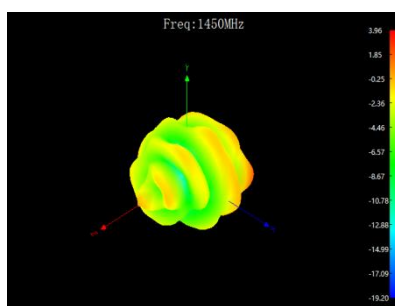
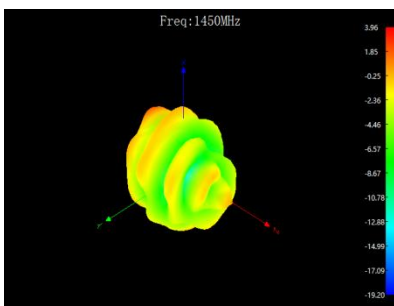
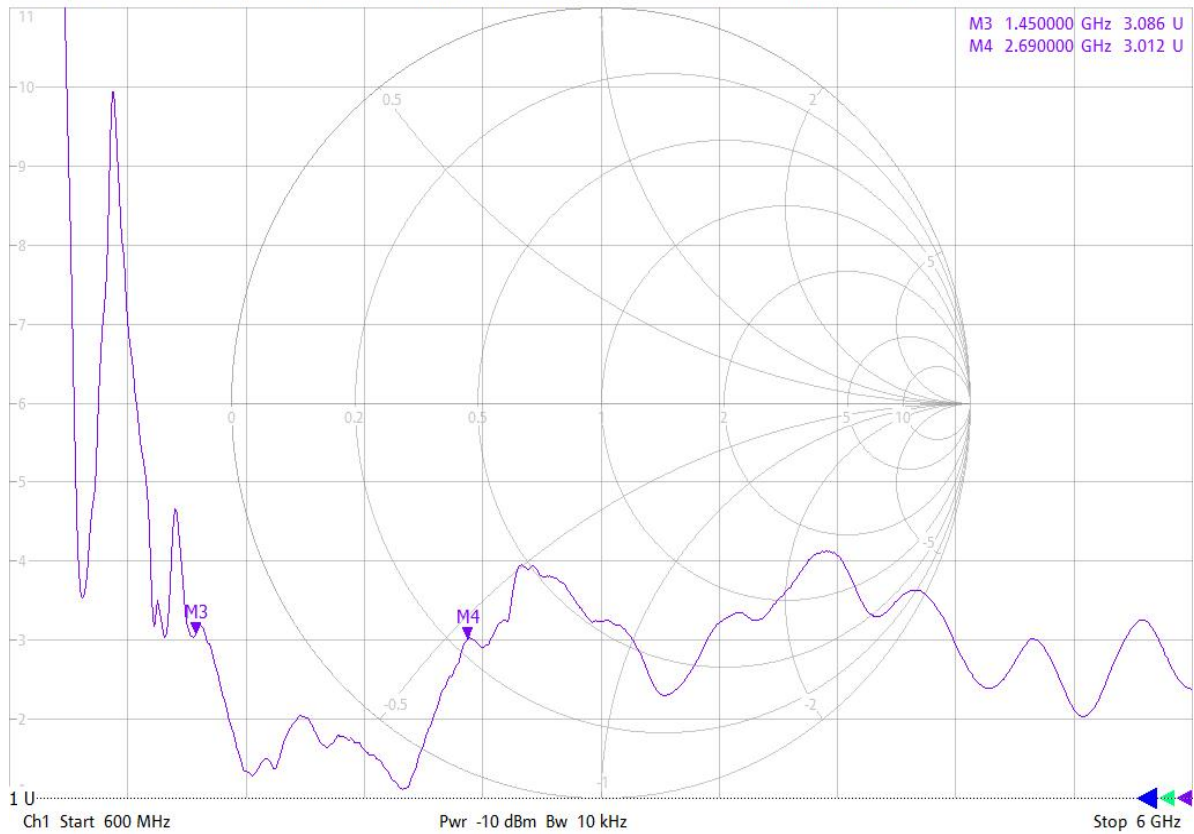


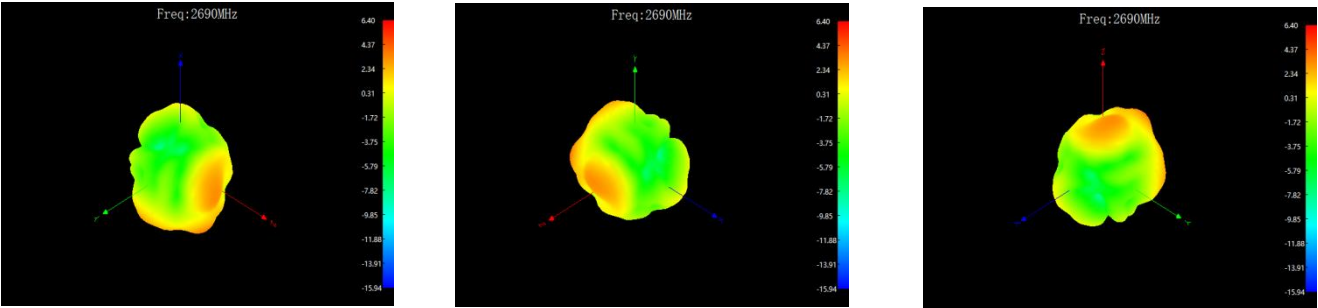
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Trc1 S22 SWR 1 U/ Ref 1 U Invisible Trc2 S22 Smith 200 mU/ Ref 1 U Invisible
Mem3[Trc1] S22 SWR 1 U/ Ref 1 U Invisible Mem4[Trc1] S22 SWR 1 U/ Ref 1 U Offs

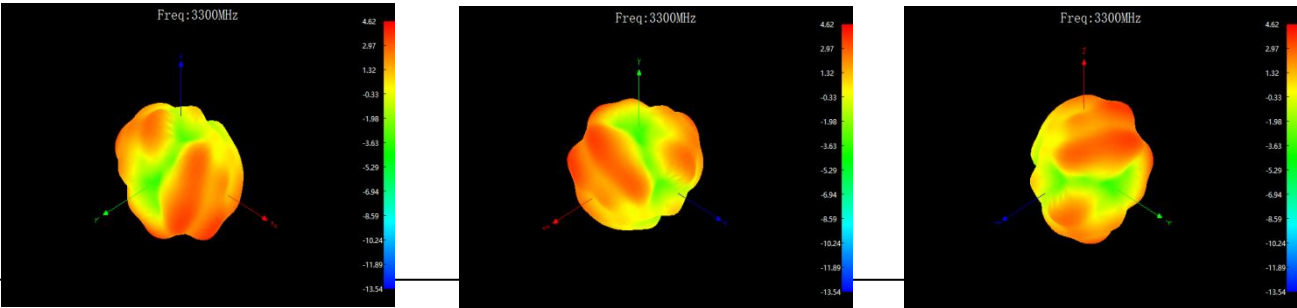
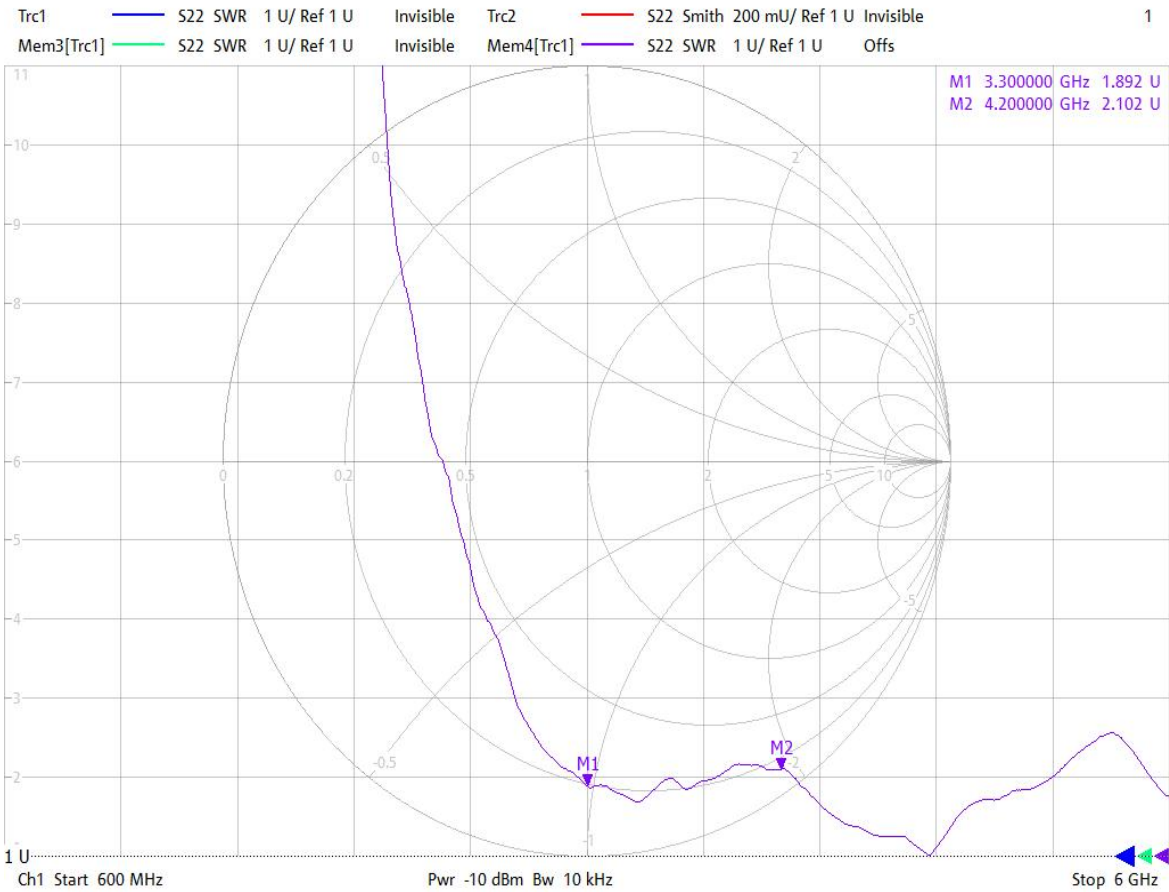
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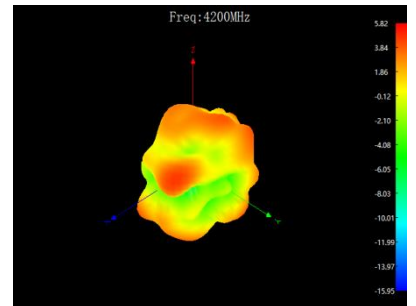
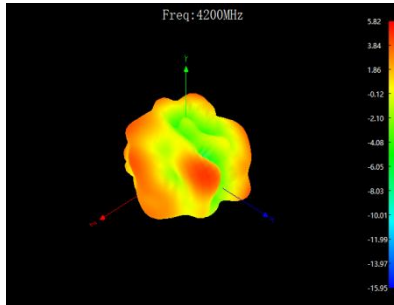
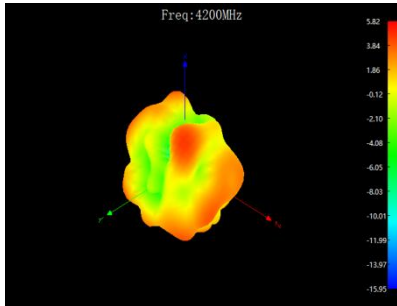




ANT4

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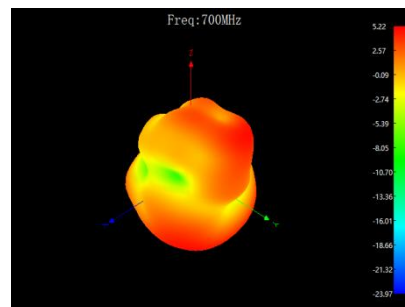
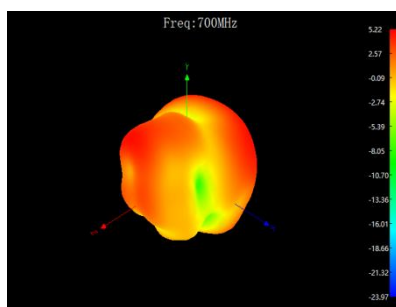
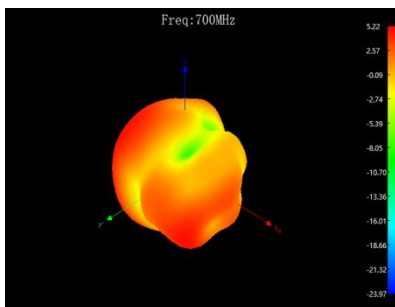
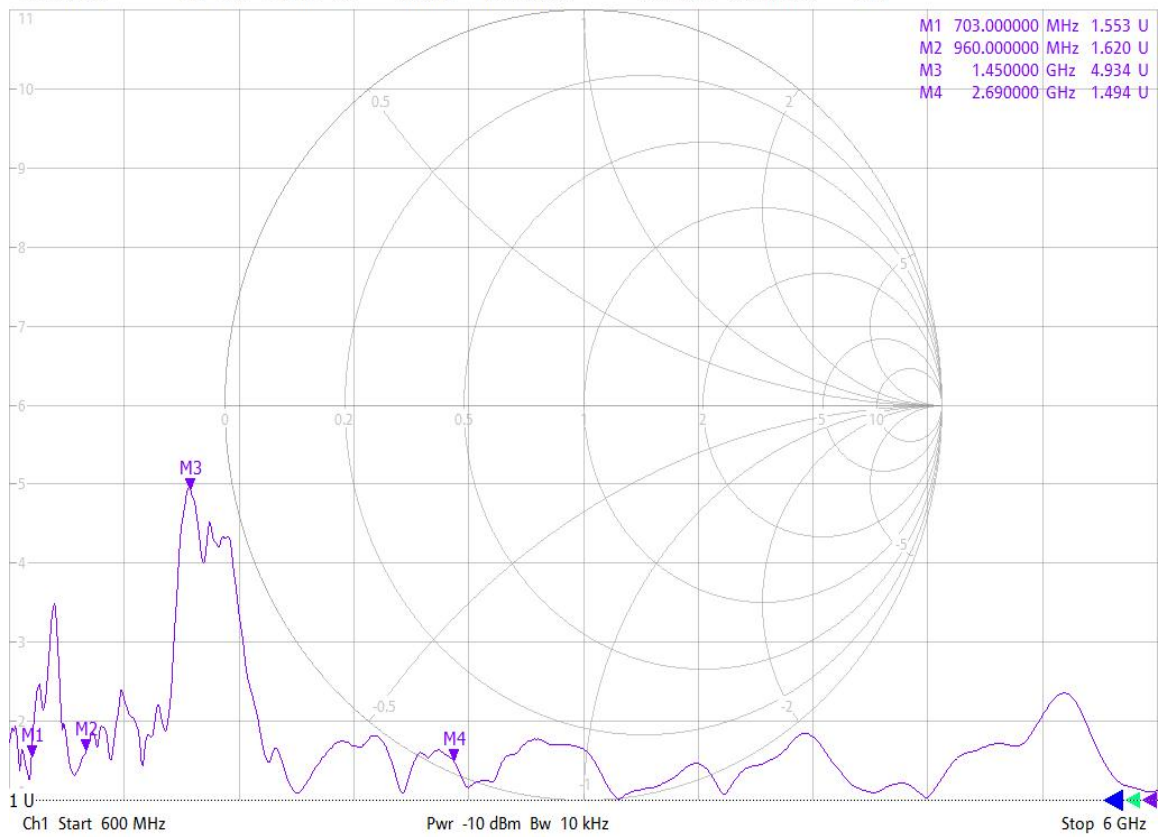


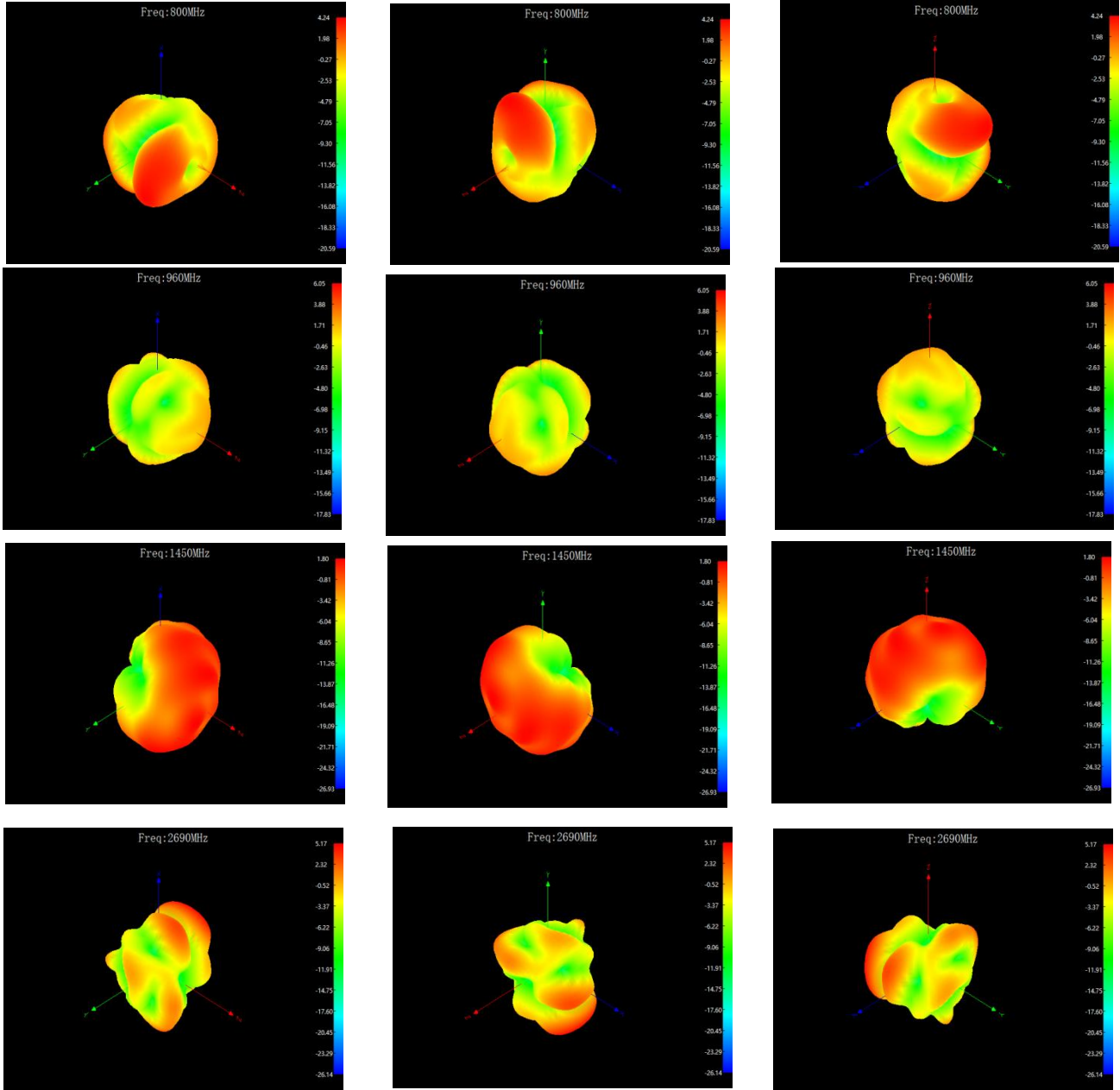
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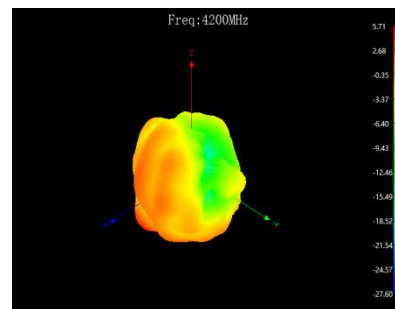
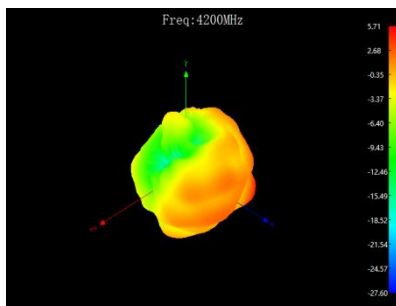
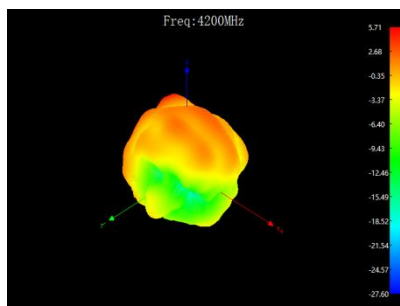
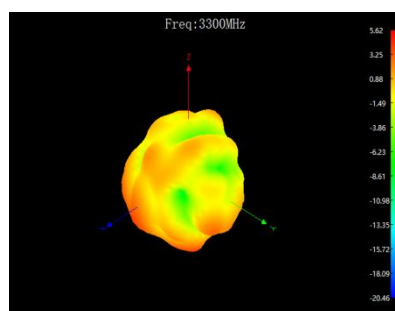
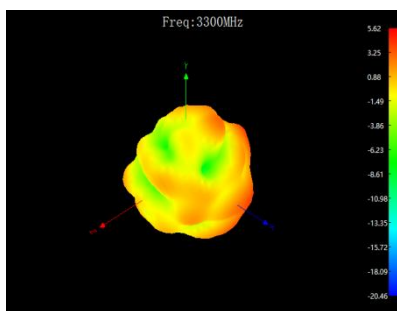
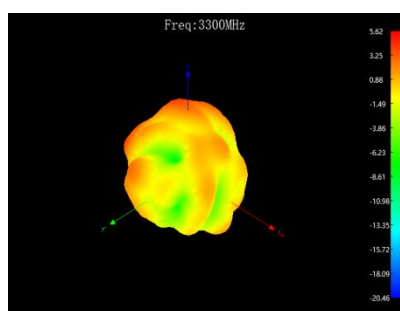
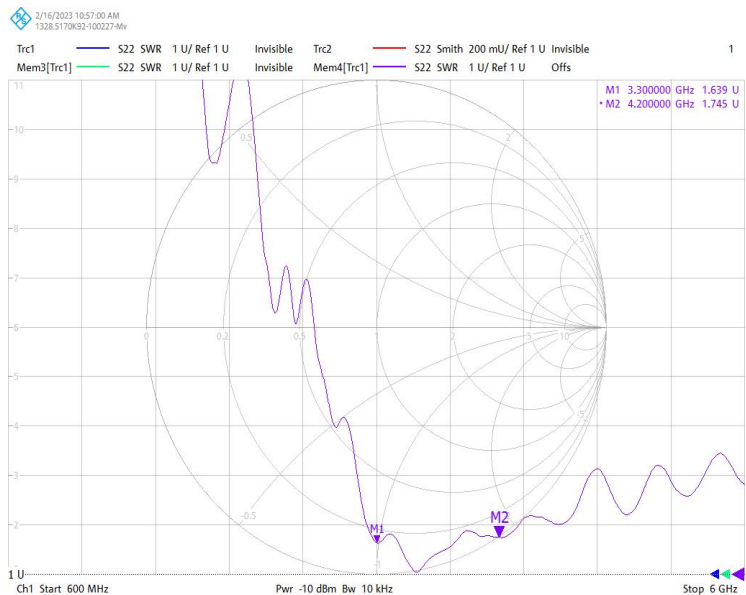
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Mem3[Trc1] S22 SWR 1 U/ Ref 1 U Invisible Mem4[Trc1] S22 SWR 1 U/ Ref 1 U Offs

1





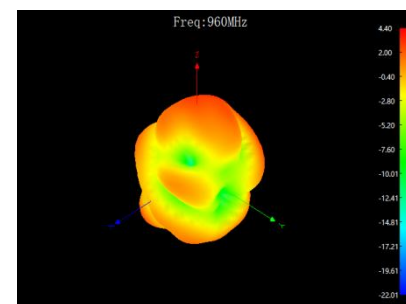
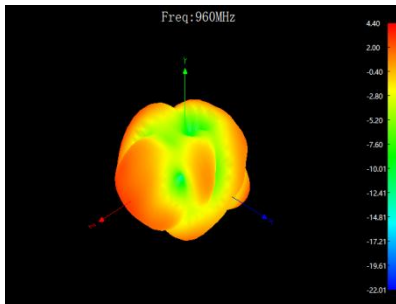
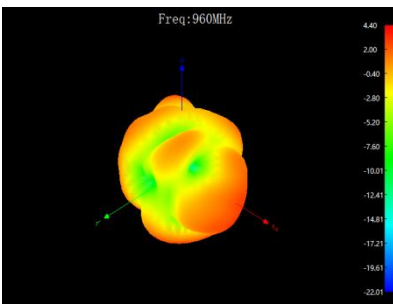
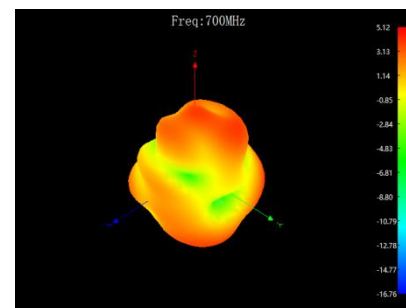
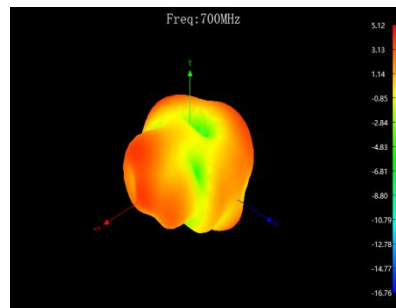
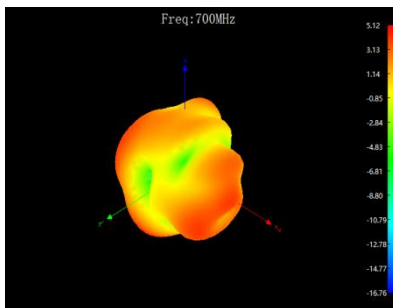
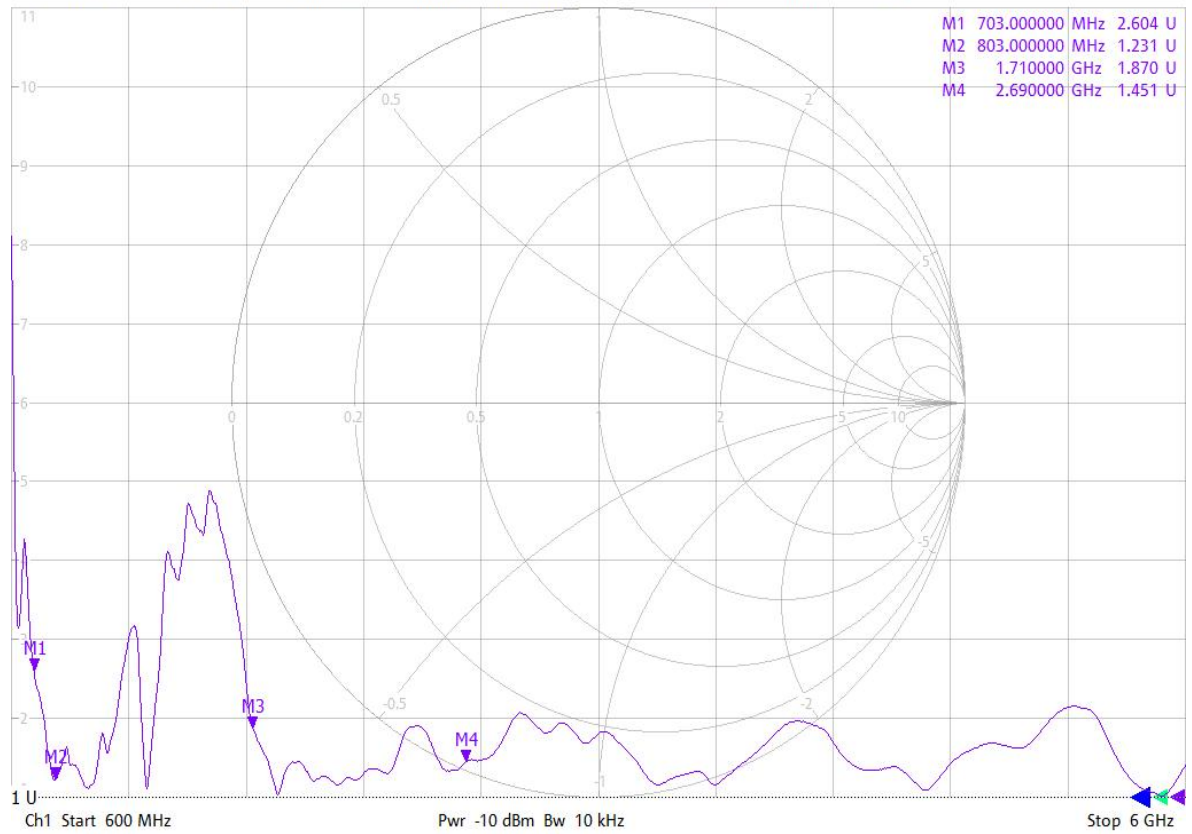
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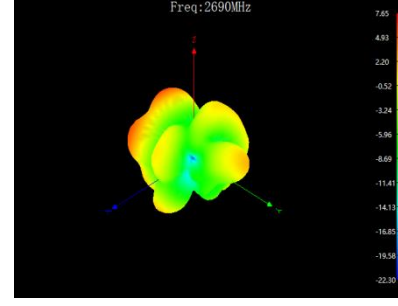
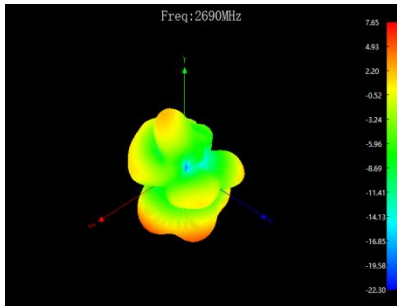
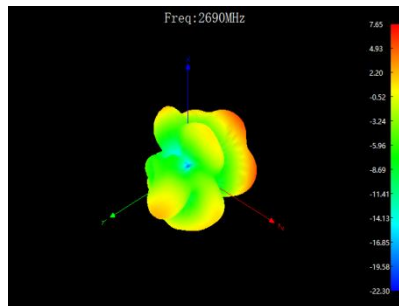
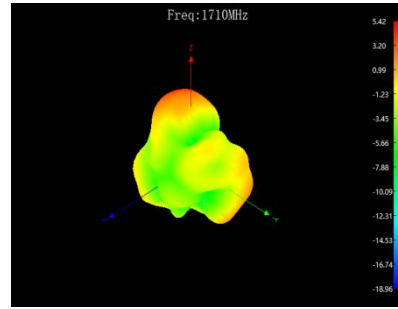
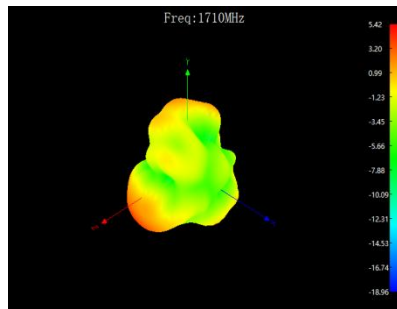
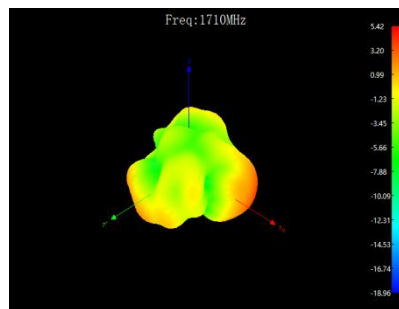


ANT7

Trc1 S22 SWR 1 U/ Ref 1 U Invisible Trc2 S22 Smith 200 mU/ Ref 1 U Invisible
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1

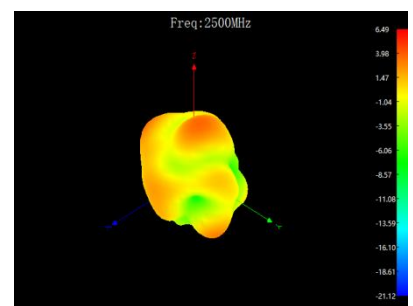
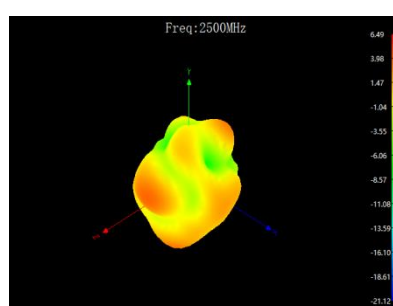
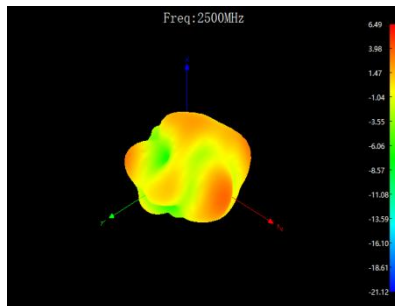
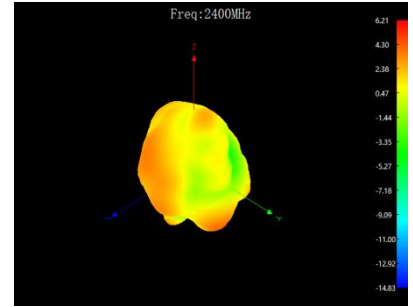
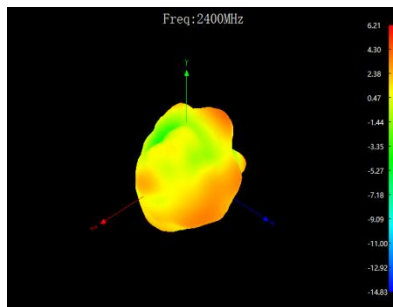
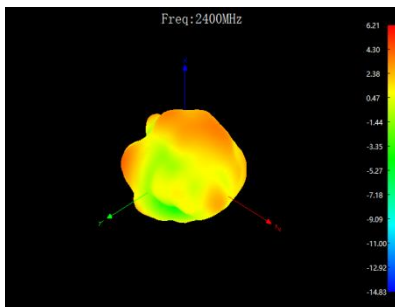
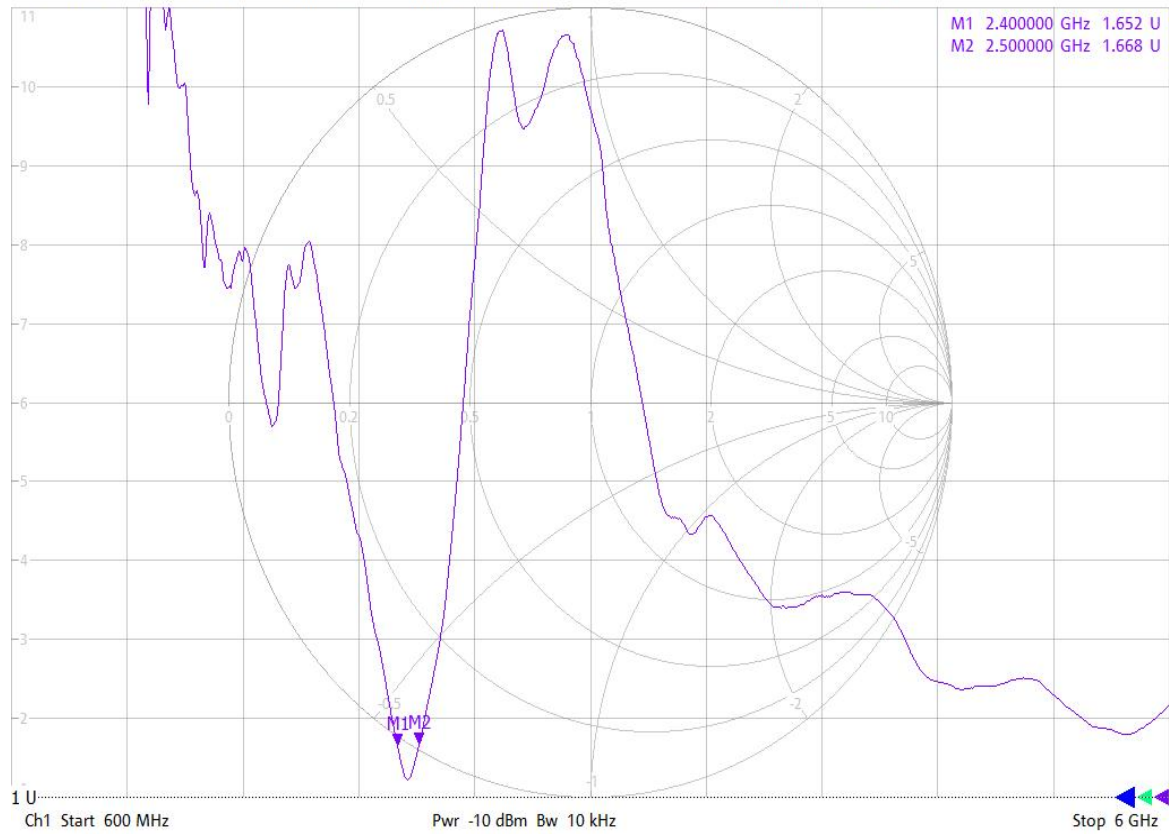




W1

Trc1 S22 SWR 1 U/ Ref 1 U Invisible Trc2 S22 Smith 200 mU/ Ref 1 U Invisible
Mem3[Trc1] S22 SWR 1 U/ Ref 1 U Invisible Mem4[Trc1] S22 SWR 1 U/ Ref 1 U Offs

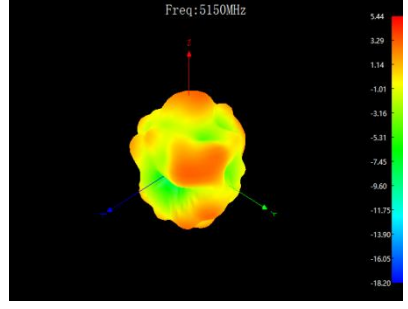
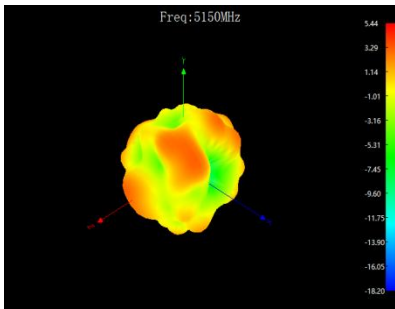
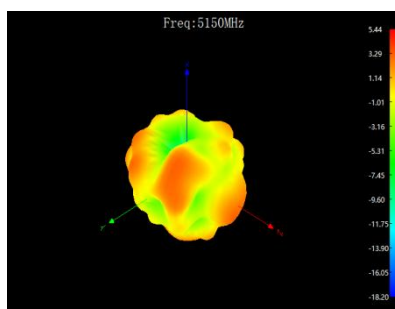
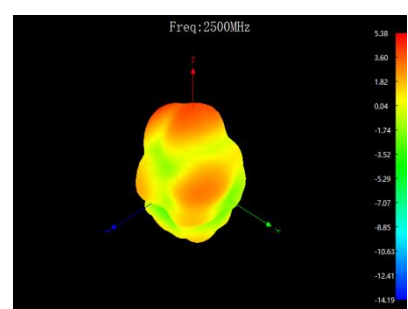
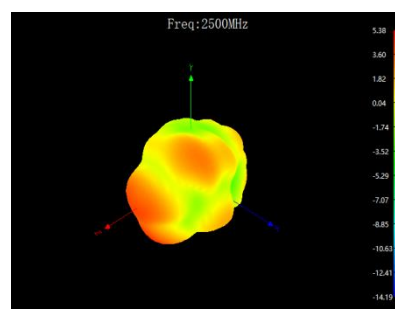
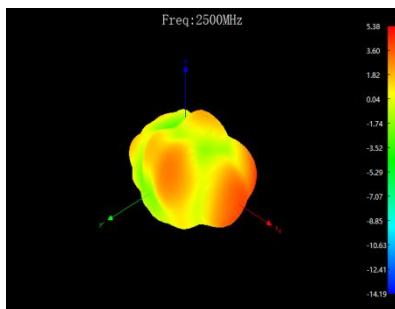
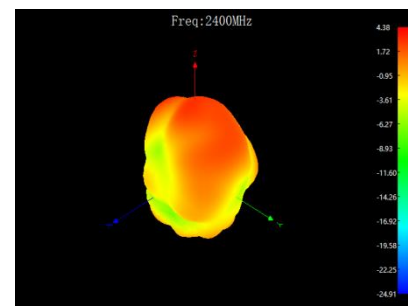
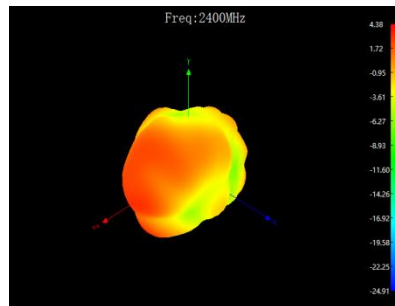
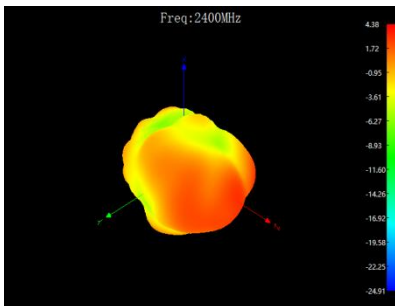
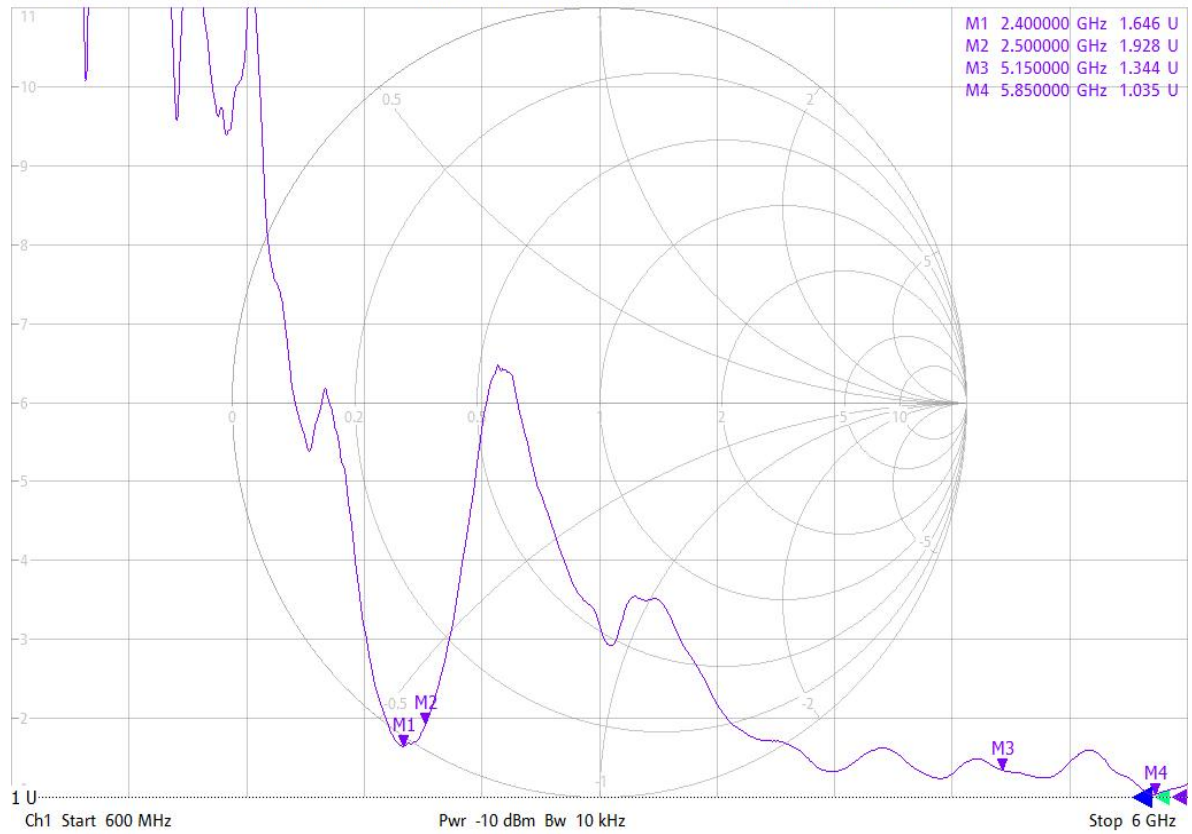
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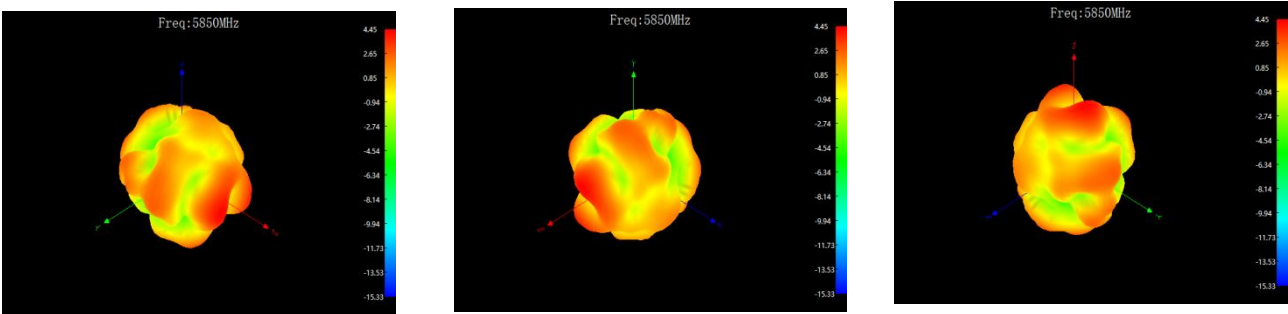


W3

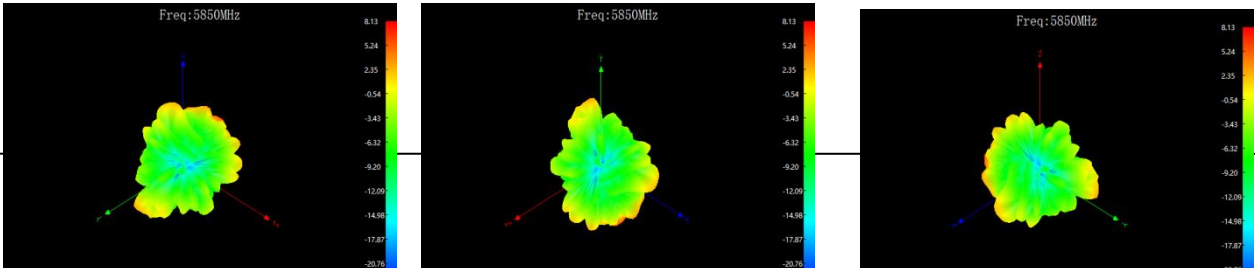
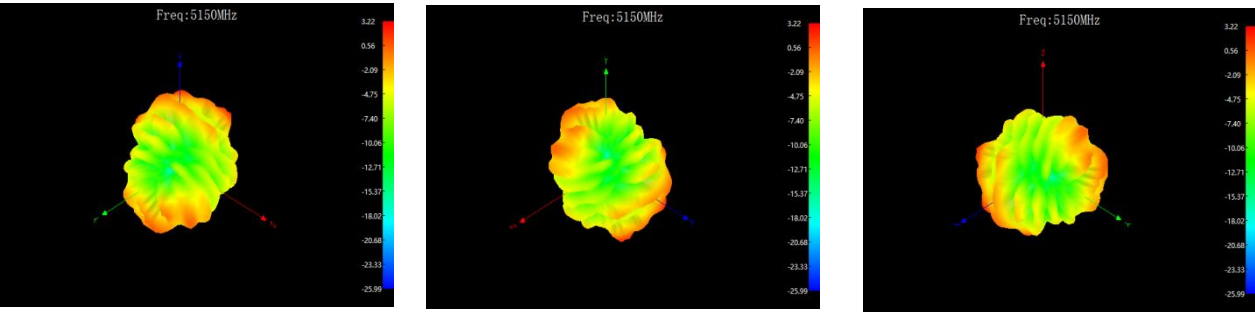
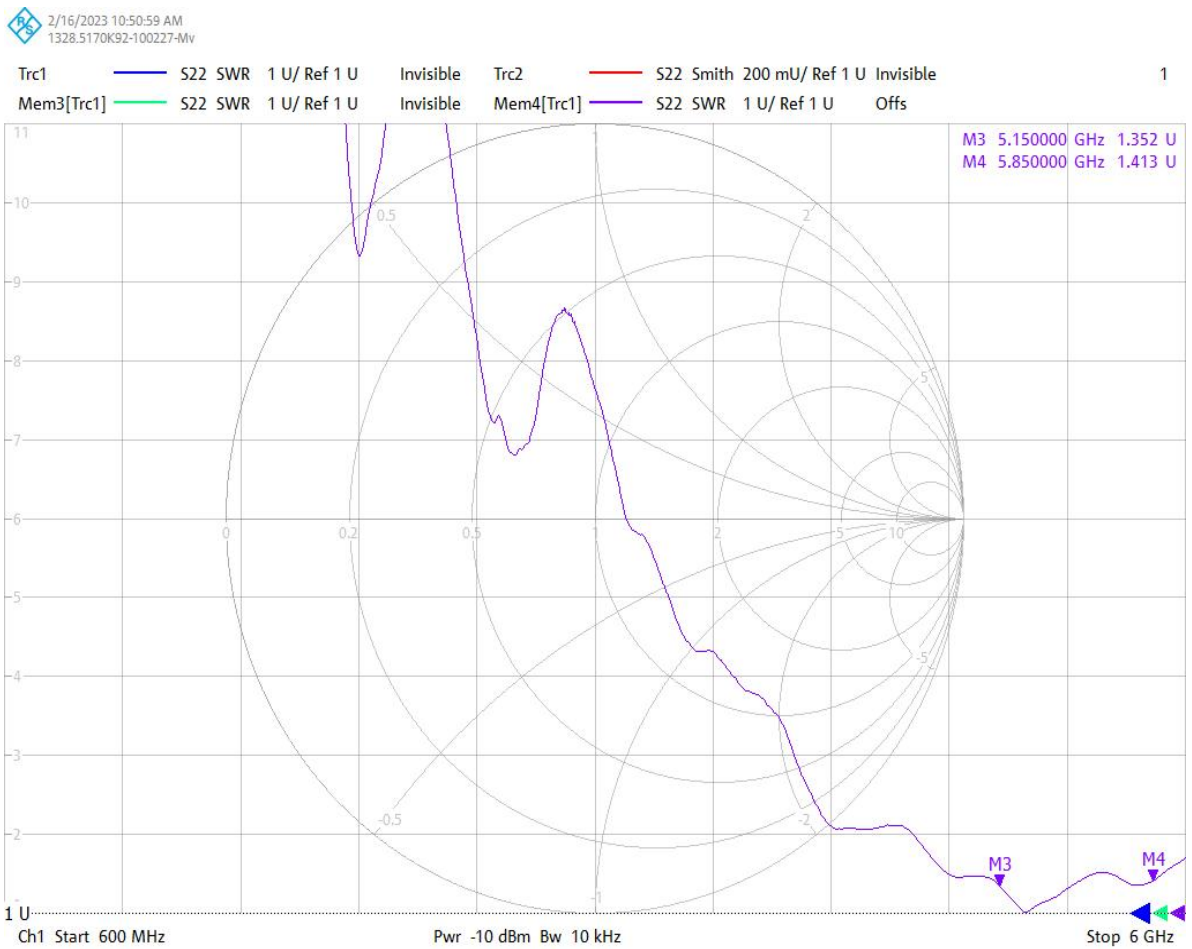
Trc1 S22 SWR 1 U/ Ref 1 U Invisible Trc2 S22 Smith 200 mU/ Ref 1 U Invisible
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1





W4

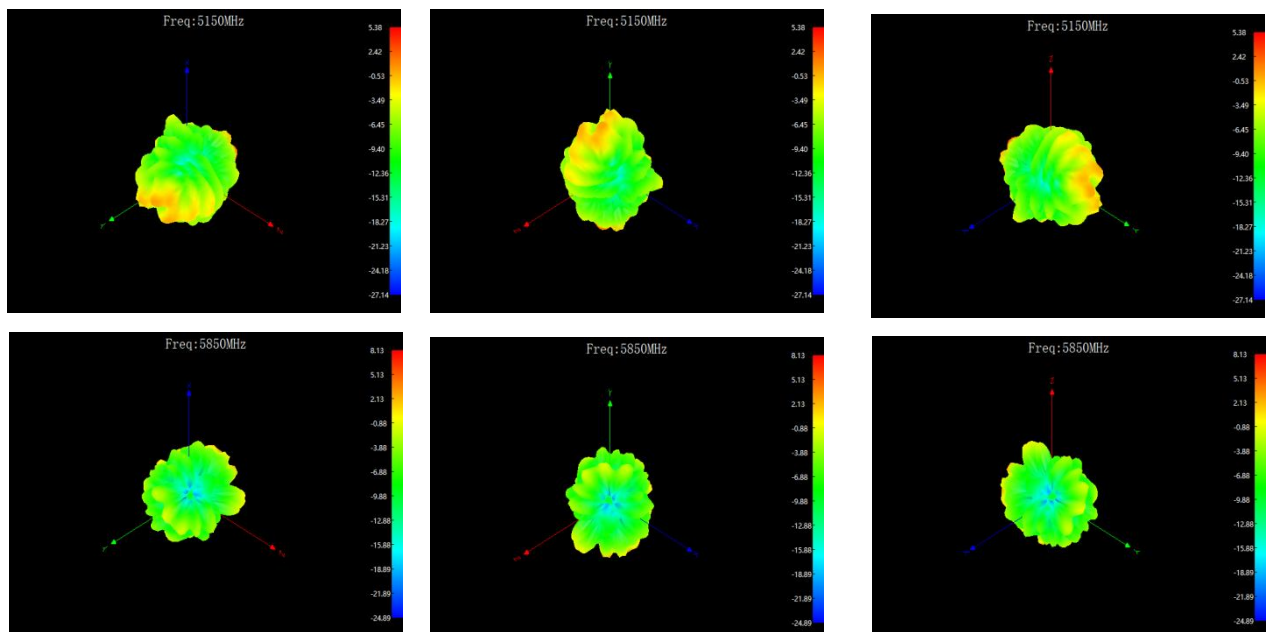
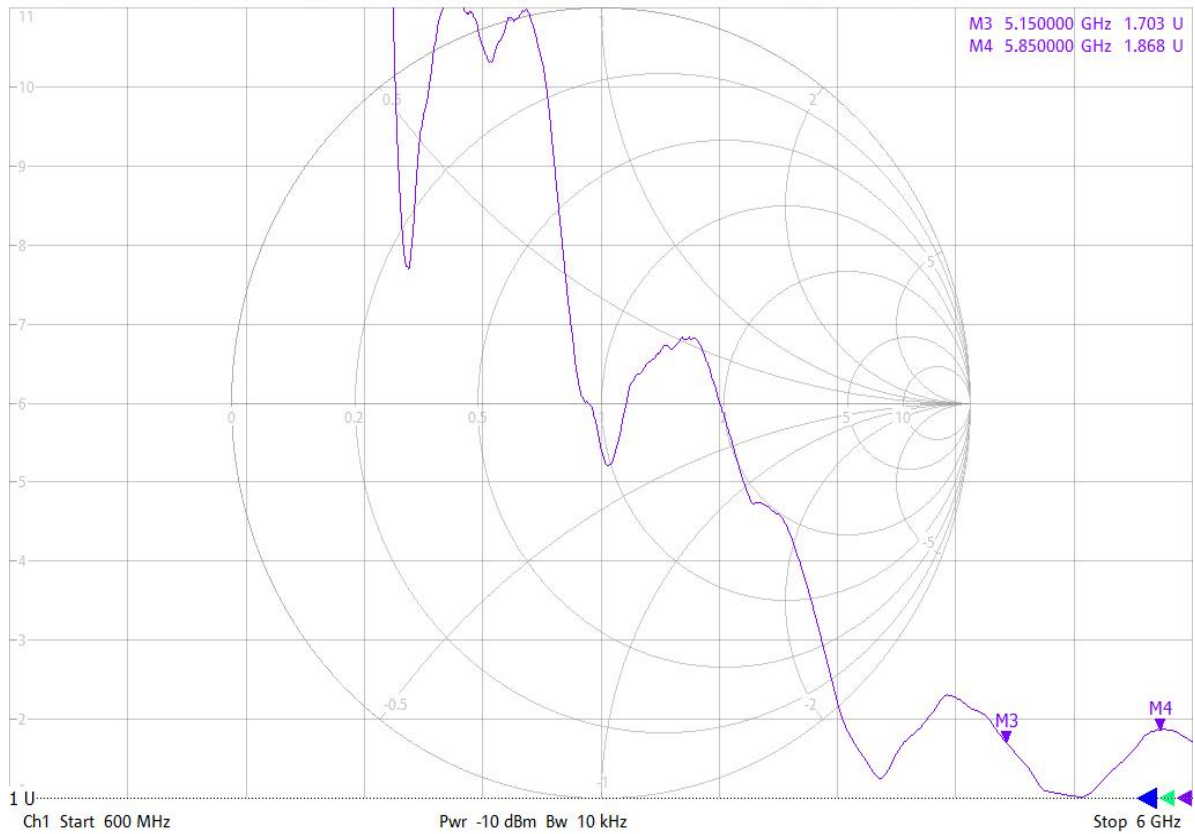


W5

2/16/2023 10:51:46 AM
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Mem3[Trc1] S22 SWR 1 U/ Ref 1 U Invisible Mem4[Trc1] S22 SWR 1 U/ Ref 1 U Offs

1



CUSTOMER' S P/N			DRAWING NO	
PREPARED BY	CHECKEDBY	APPROVAL BY	S.R.NO	
马维华			DATE:	2024.1.17