

深圳市安威无线科技有限公司

ANWEI commnuication Equipment Co.,Ltd

规格书

APPROVAL SHEET

客户 Customer	Youmi	规格型号 Specs	G2
安威料号 Part Number		频 段 Frequency Band	G4P+W1/2/4/5/8+FDD1/2/3/4/5/7/8/12/17/20/ 28A/B+TDD34/38/39/40/41+BC0/BC1
颜 色 Color	Black	版 本 Edition	REV:A
销 售 Salesperson	Mr.Xie	设 计 Design	Lei Yao Bo
结 构 Structure	QIN YUN LIN	确 认 Confirm	
日 期 Date	2022/12/30	签字日期 Signing Date	

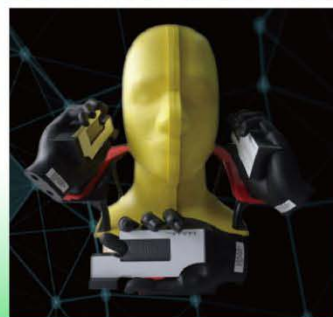
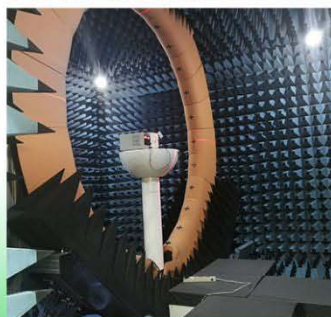
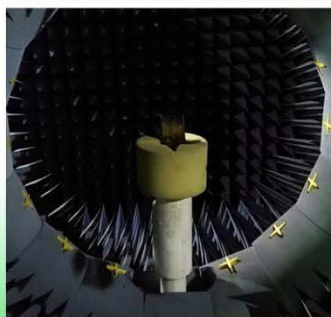
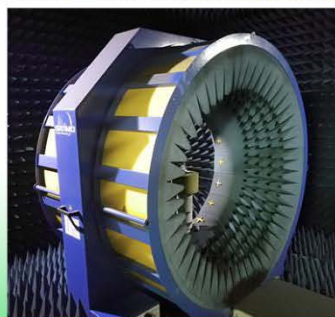
客户确认 Customer confirmation:

携手共进 共创未来

Join hands to create the future

● 项目开发环境

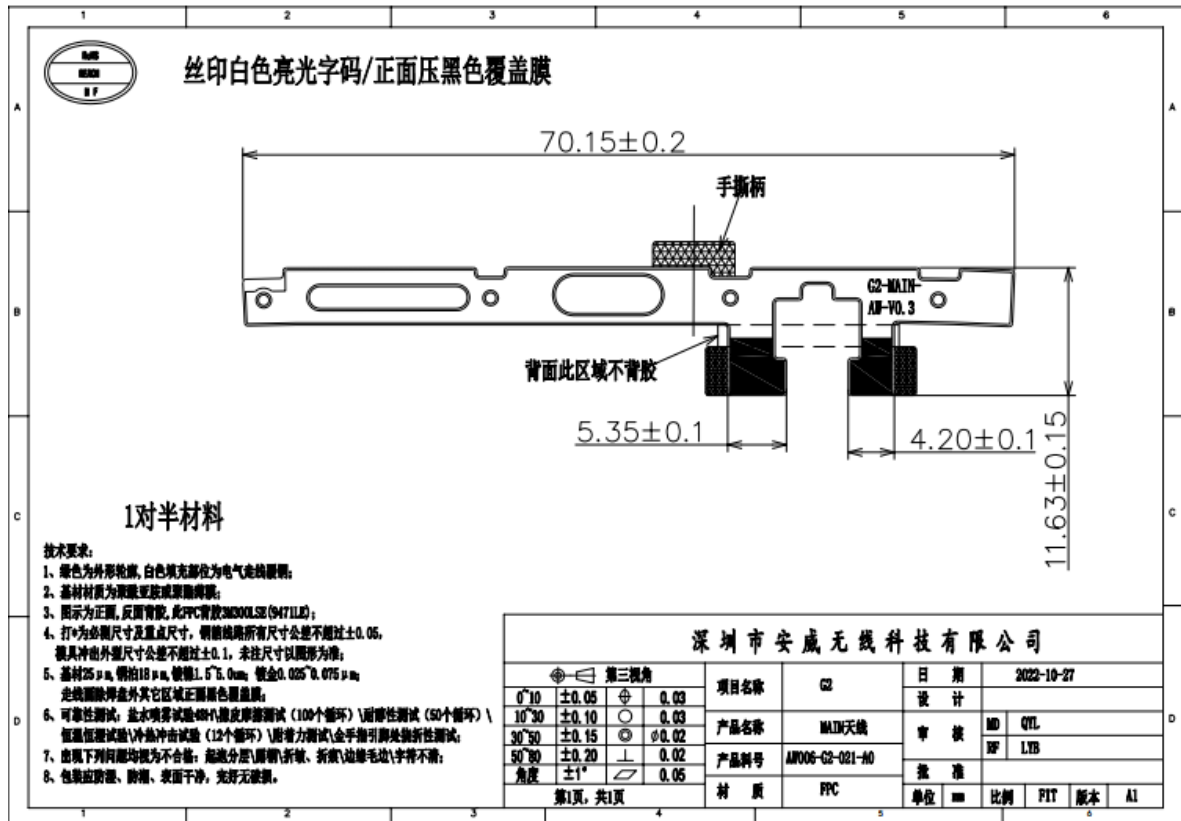
Project development environment



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“质量第一，服务至上”是安威一直以来的发展宗旨

主集天线 ((MIMOantenna 0)



工作频段(Working frequency band): 700MHZ~2690MHZ GSM850/900 /1800/1900

WCDMA1/2/4/5/8 BC0/BC1

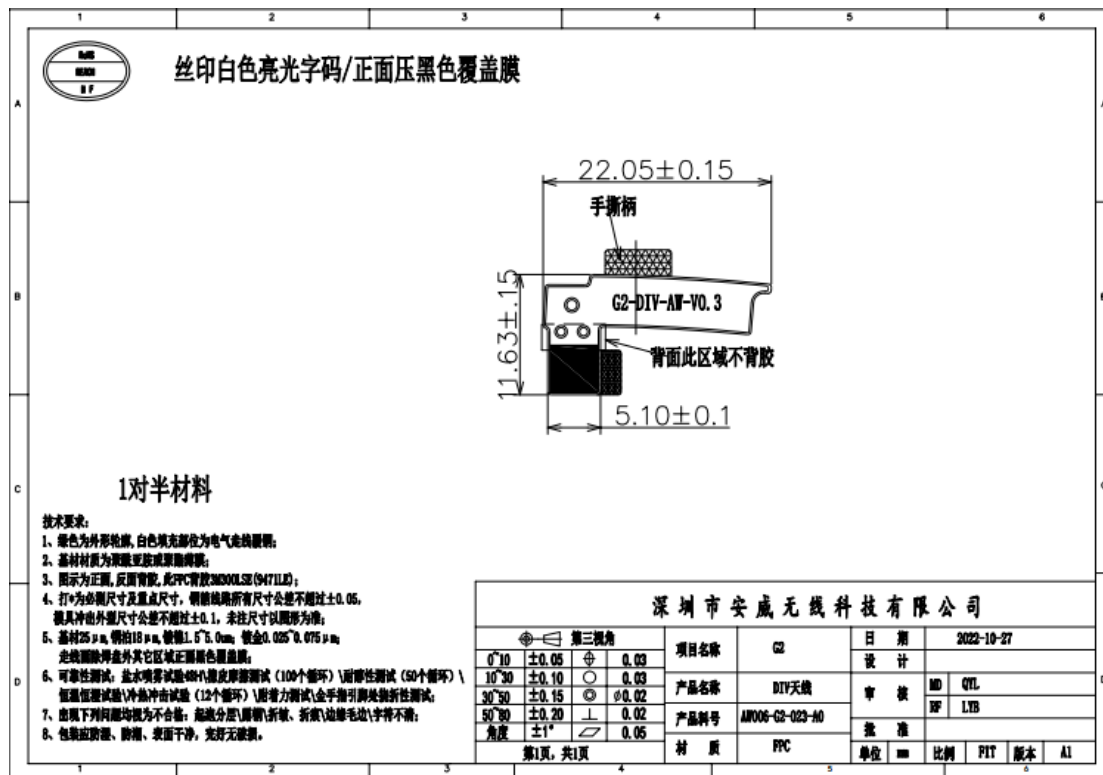
FDD1/2/3/4/5/7/8/12/17/20/28A/B TDD34/38/39/40/41

天线匹配(Matcheing network):

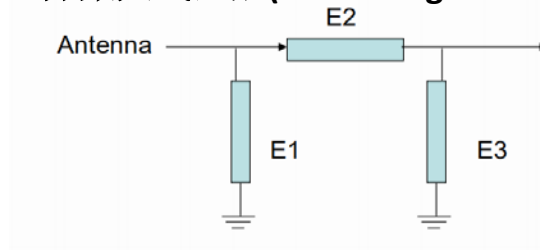
The customer brought their own matching,
which was not changed

分集天线(MIMOantenna 1)

工作频段(Working frequency band): 1700MHZ~2700MHZ



分集天线匹配(Matching network)



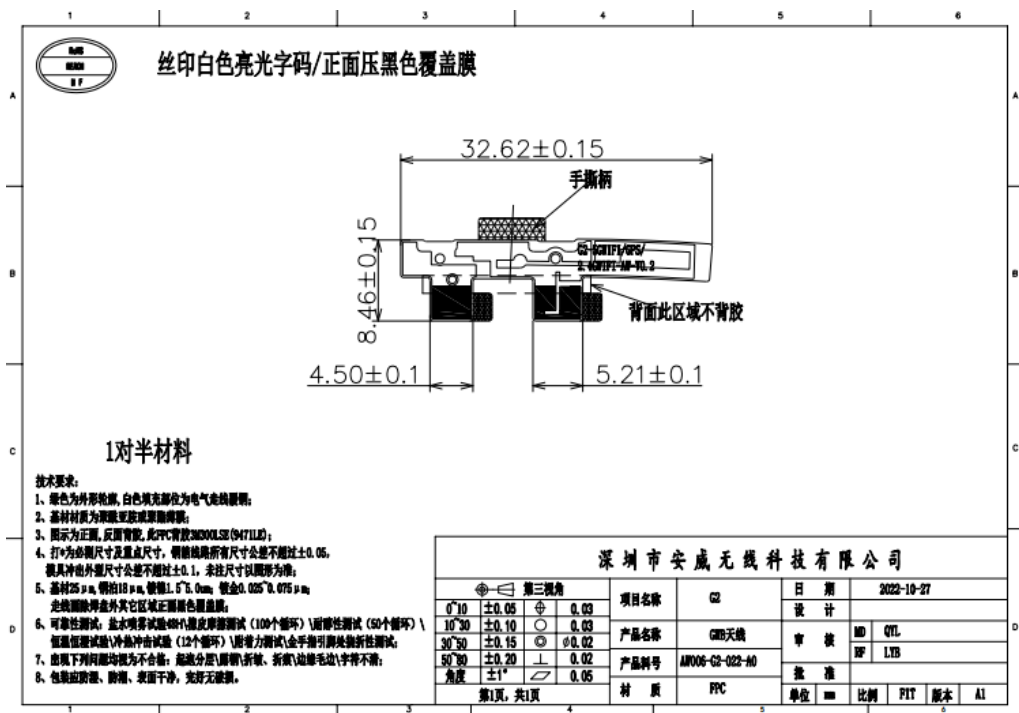
主板匹配改动



5GWIFI 天线（5GWIFI antenna）

5GWIFI 工作频段（Working frequency band of 5GWIFI antenna）：5150MHZ~5850MH

2.4GWIFI 天线（2.4GWIFI antenna）（Working frequency band of 5GWIFI antenna）：
2400MHZ~2500MH



ANWEI ANT TRP&TIS parameter Summary of G2

	Channel	TRP (dBm)	TIS (dBm)			Channel	TRP (dBm)	TIS (dBm)			Channel	TRP (dBm)	TIS (dBm)
FDD B1	18050	18.45		FDD B17	23780	18.17		TDD 34	36250	18.74			
	18300	18.63			23790	18.56			36275	18.67			
	18550	17.76	-92.21		23800	1.02	-90.36		36300	18.58	-90.27		
FDD B2	18650	19.01		FDD B20	24200	18.1		TDD 38	37850	17.58			
	18900	19.13			24300	19.36			38000	17.43			
	19150	19.83	-92.38		24400	19.4	-90.54		38150	15.87	-88.4		
FDD B3	19250	18.48		FDD B28A	27260	18.09		TDD 39	38350	19.17			
	19575	18.16			27370	18.58			38450	18.79			
	19900	18.61	-91.2		27469	18.81	-90.1		38550	19.49	-90.54		
FDD B4	20000	18.58		FDD B28B	27410	18.22		TDD 40	38750	18.51			
	20175	18.25			27510	18.1			39150	18.5			
	20350	18.22	-91.75		27600	18.18	-89.82		39550	17.85	-87.47		
FDD B5	20450	19.45						TDD 41					
	20525	20.02							40620	16.63	-89.25		
	20600	20.14	-90.33										
FDD B7	20800	17.47											
	21100	17.84											
	21400	17.61	-90.77										
FDD B8	21500	18.52											
	21625	18.56											
	21750	18.93	-90.27										
FDD B12	23060	17.97											
	23095	18.41											
	23130	18.69	-91.64										

	Channel	TRP (dBm)	TIS (dBm)		Channel	TRP (dBm)	TIS (dBm)		Channel	TRP (dBm)	TIS (dBm)
GSM 850	128	26.62		亮屏				W 1	9612	18.18	
	190	26.09							9750	18.41	
	251	26.4	-102.1						9888	17.64	-104.08
GSM 900	1	26.72		GSM850			-102.51	W 2	9262	19.79	
	62	26.95					-101.47		9400	19.91	
	124	27.82	-103.47				-93.92		9538	19.31	-103.74
DCS 1800	512	23.91		GSM900			-104.41	W 4	1312	17.63	
	698	23.94					-105.02		1413	17.99	
	885	24.22	102.67				-99.23		1513	17.92	-102.61
PCS 1900	512	26.29		DCS1800			-102.32	W 5	4132	17.12	
	661	25.88					-102.66		4183	17.19	
	810	25.73	-104.18				-102.02		4233	17.13	-104.76
				PCS1900			-104.53	W 6	4175	19.42	
							-104.17		4188	19.49	
							-104.1		4413	19.36	-103.69
								W 8	2712	16.44	
									2787	15.69	
									2863	15.86	-102.86
								BC0	283	19.45	
									384	18.75	
									777	18.6	-99.89
								BC1	25	16.36	
									600	17.1	
									1175	18.02	-103.89

BAND	2.4GWIFI			5.8WIFI		
CHANNEL	low	medium	high	low	medium	high
TRP (dBm)	13.4	13.5	13.3	11.4	11.2	10.3
TIS (dBm)	-83.6	-83.1	-81.8	-75.8	-74.5	-73.8

天线增益(Antenna gain)

Standard	Band	Frequency	Gain(dbi)
TDD_LTE	TDD_B34	2020	1.52
TDD_LTE	TDD_B38	2580	1.79
TDD_LTE	TDD_B39	1900	1.12
TDD_LTE	TDD_B40	2310	1.44
TDD_LTE	TDD_B41	2593	1.75
FDD_LTE	FDD_B1	1925	0.95
FDD_LTE	FDD_B2	1855	0.91
FDD_LTE	FDD_B3	1715	0.64
FDD_LTE	FDD_B4	1715	0.64
FDD_LTE	FDD_B5	829	-1.15
FDD_LTE	FDD_B7	2505	1.78
FDD_LTE	FDD_B8	885	-0.83
FDD_LTE	FDD_B12	704	-1.97
FDD_LTE	FDD_B17	709	-1.95
FDD_LTE	FDD_B20	837	-1.24
FDD_LTE	FDD_B28A	708	-1.91
FDD_LTE	FDD_B28B	723	-1.85
WCDMA	WCDMA_B1	1922.4	0.95
WCDMA	WCDMA_B2	1852.4	0.91
WCDMA	WCDMA_B4	1715	0.64
WCDMA	WCDMA_B5	826.4	-1.15
WCDMA	WCDMA_B8	882.4	-0.83
GSM	GSM850	824.2	-1.15
GSM	GSM900	890.2	-0.83
GSM	PCS1900	1850.2	0.91
GSM	DCS1800	1710.2	0.63
2.4GWIFI		2412	1.76
5GWIFI		5825	1.23
BT		2400	1.76
BC0		824	-1.16

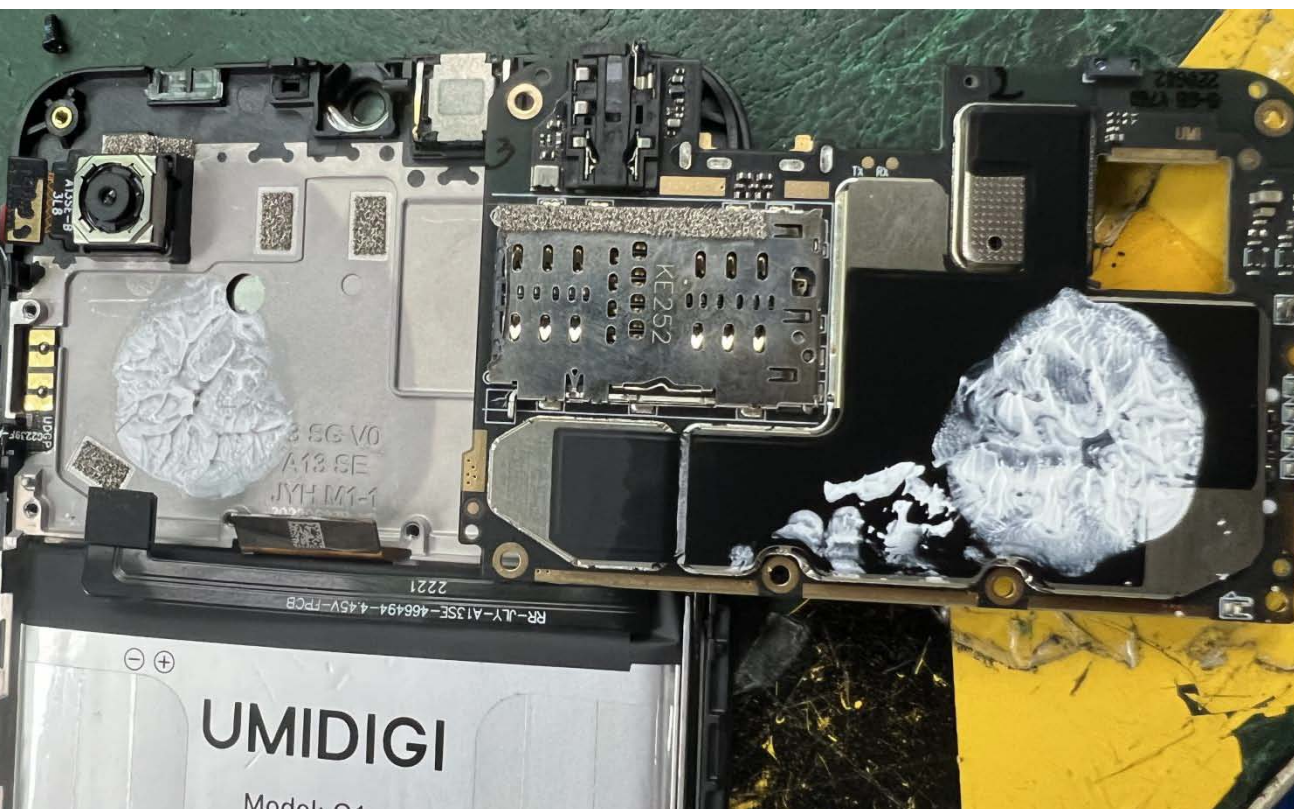
BC1

1850

0.92

环境处理方式 (Environmental treatment)

Conductive sponge
grounding is added at
these two places







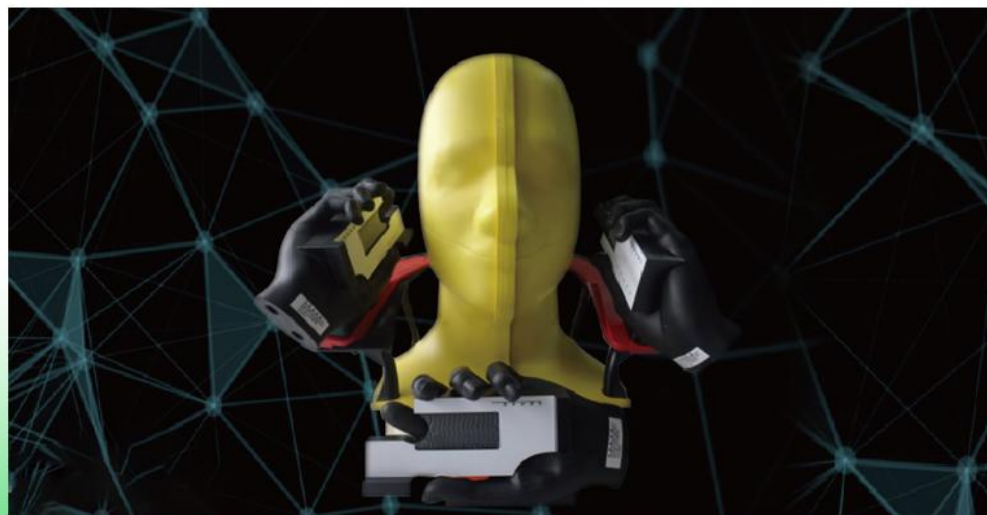
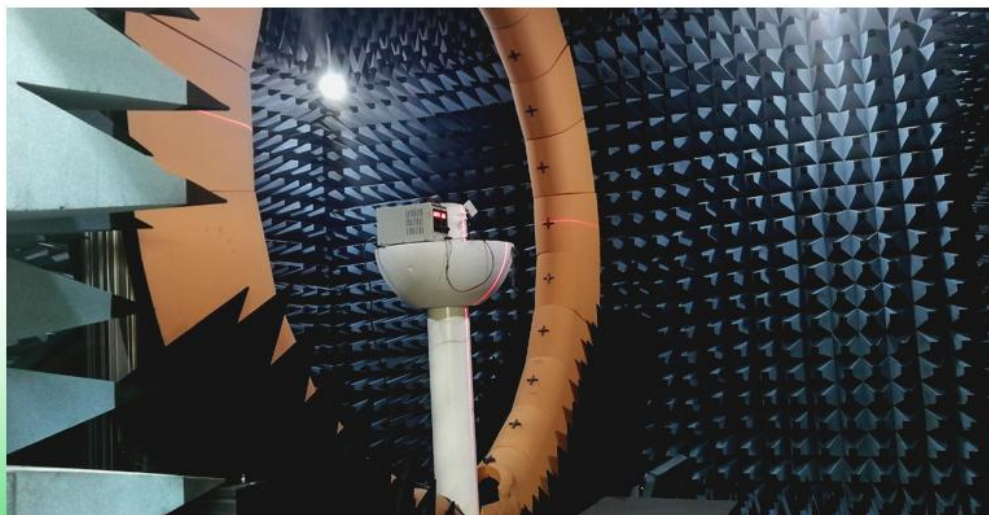
深圳市安威无线科技有限公司

行业领先的一站式通信射频天线解决方案制造商

天线苹果图和方向图

携手共进 共创未来

项目开发环境

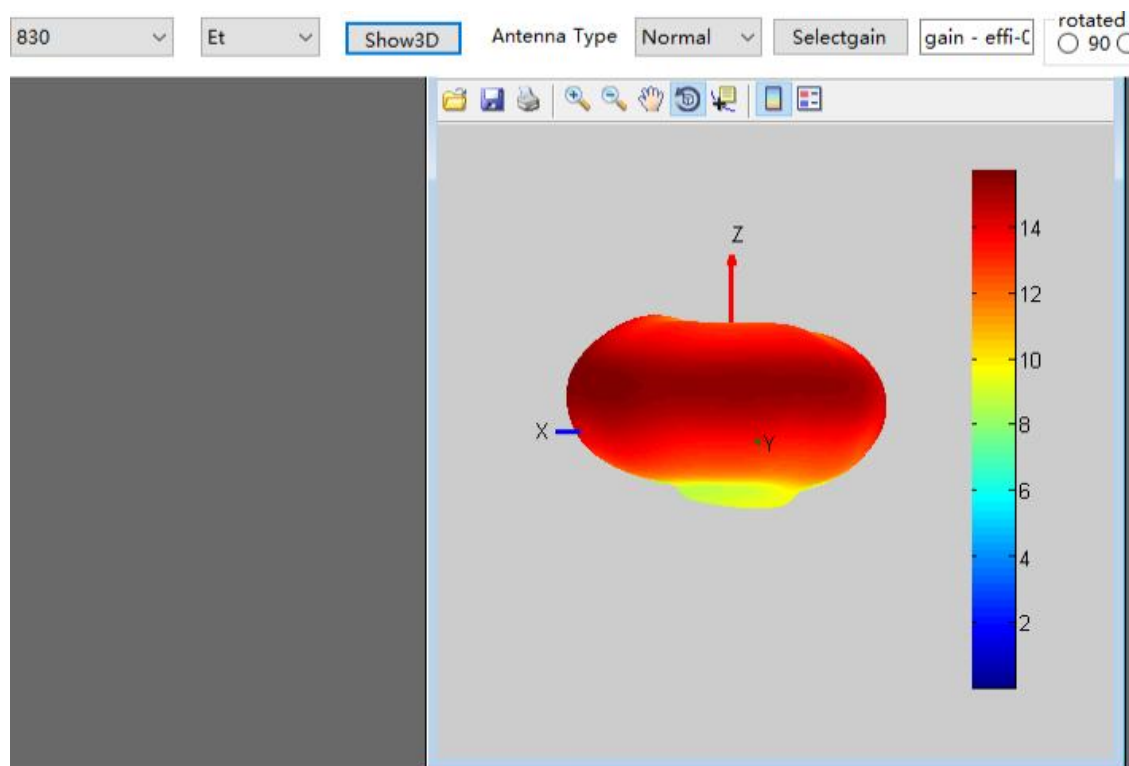
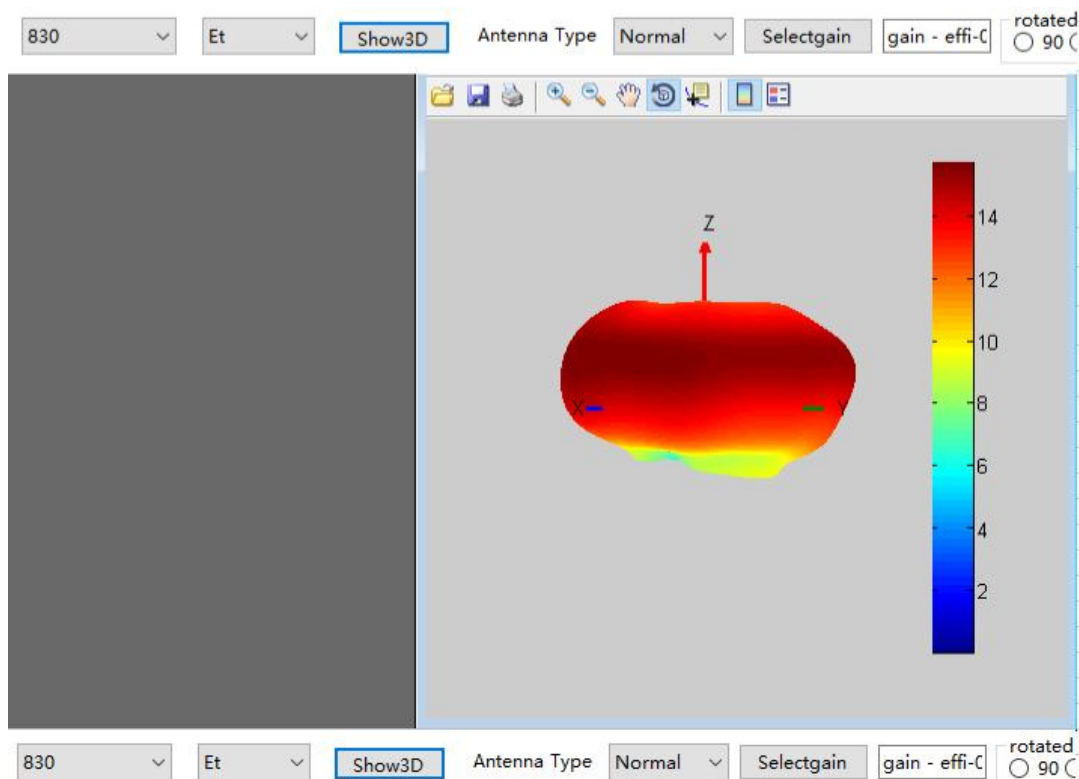


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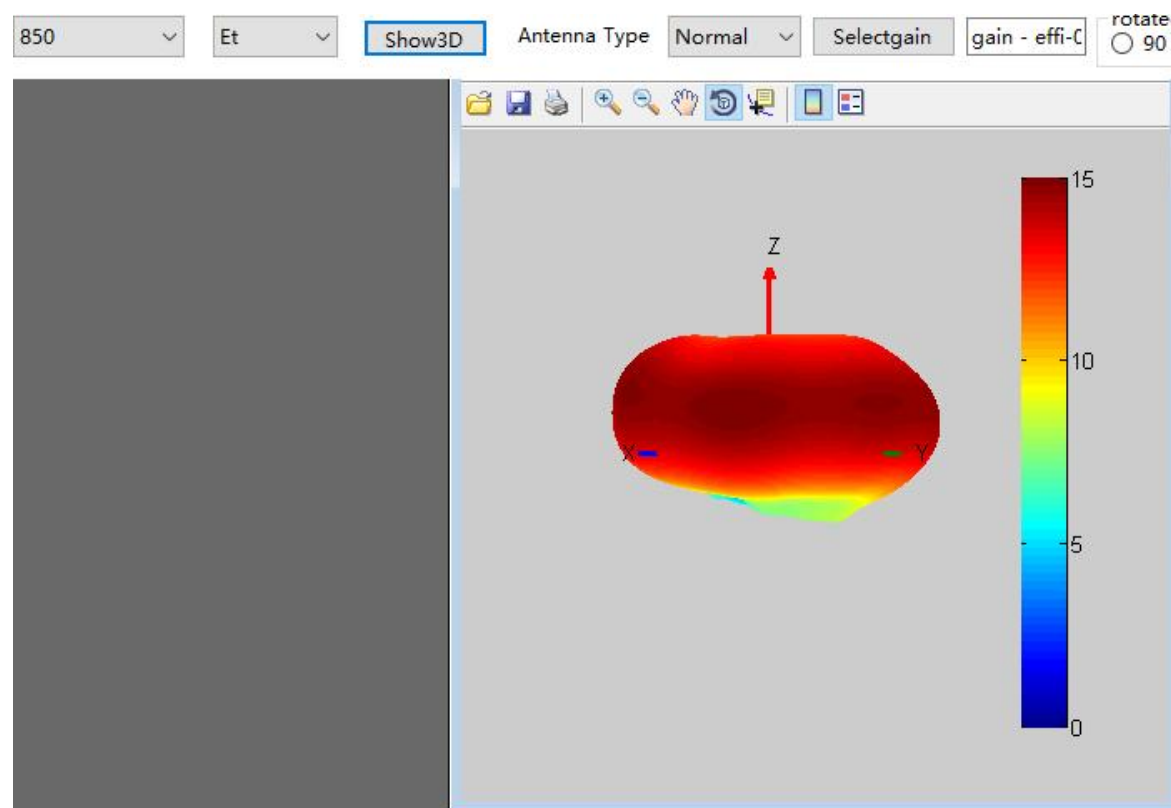
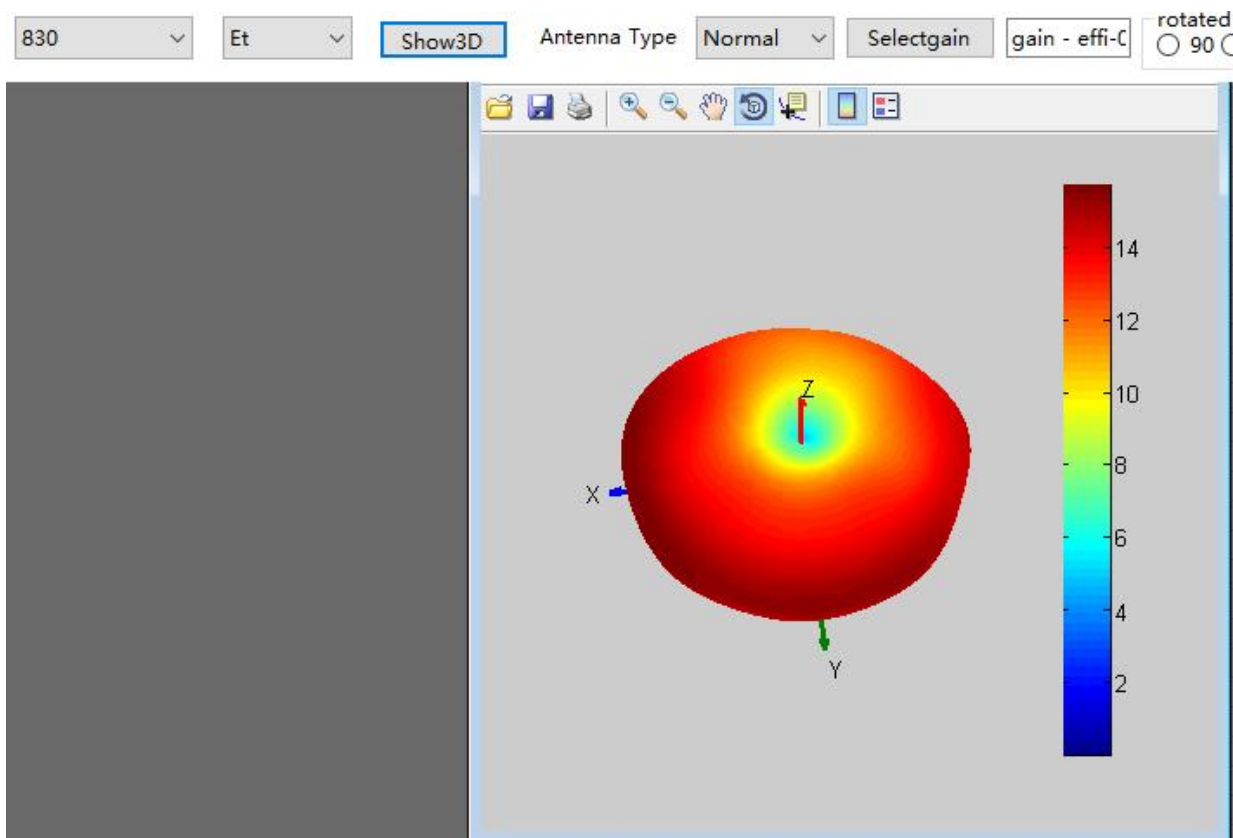
“质量第一，服务至上”是安威一直以来的发展宗旨

携手共进 共创未来

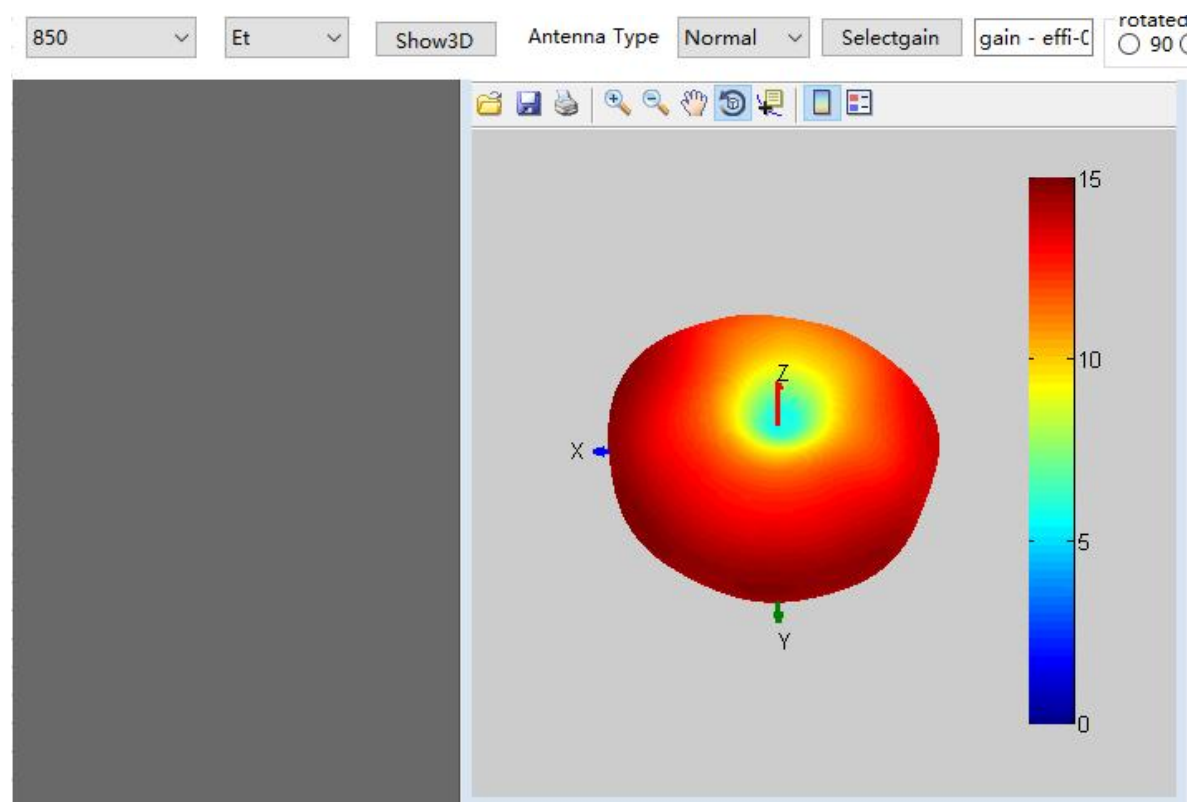
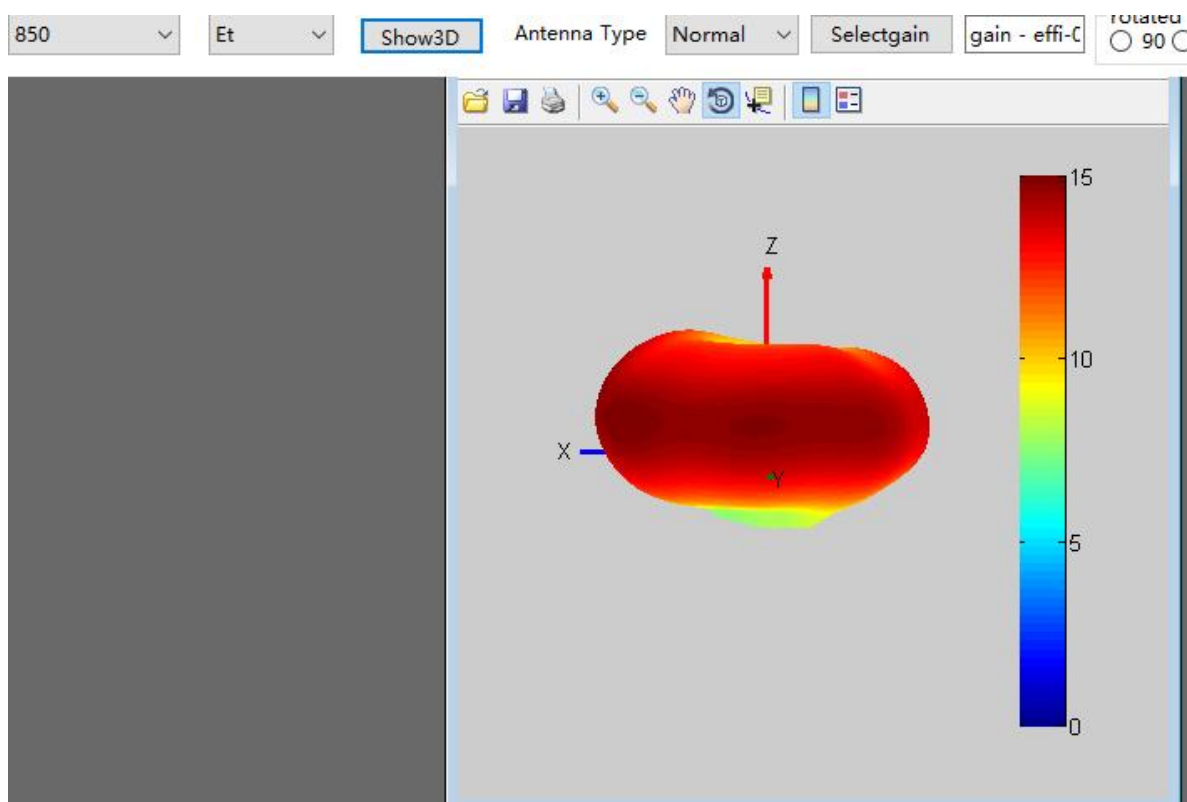
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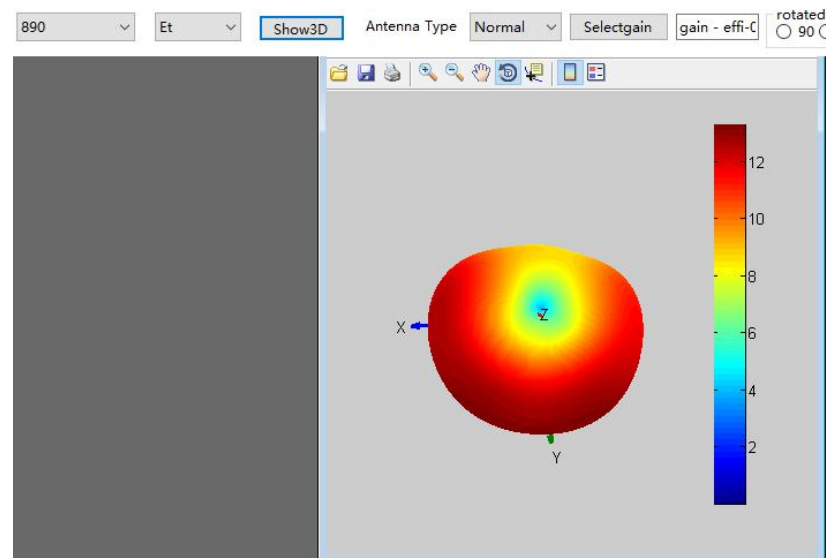
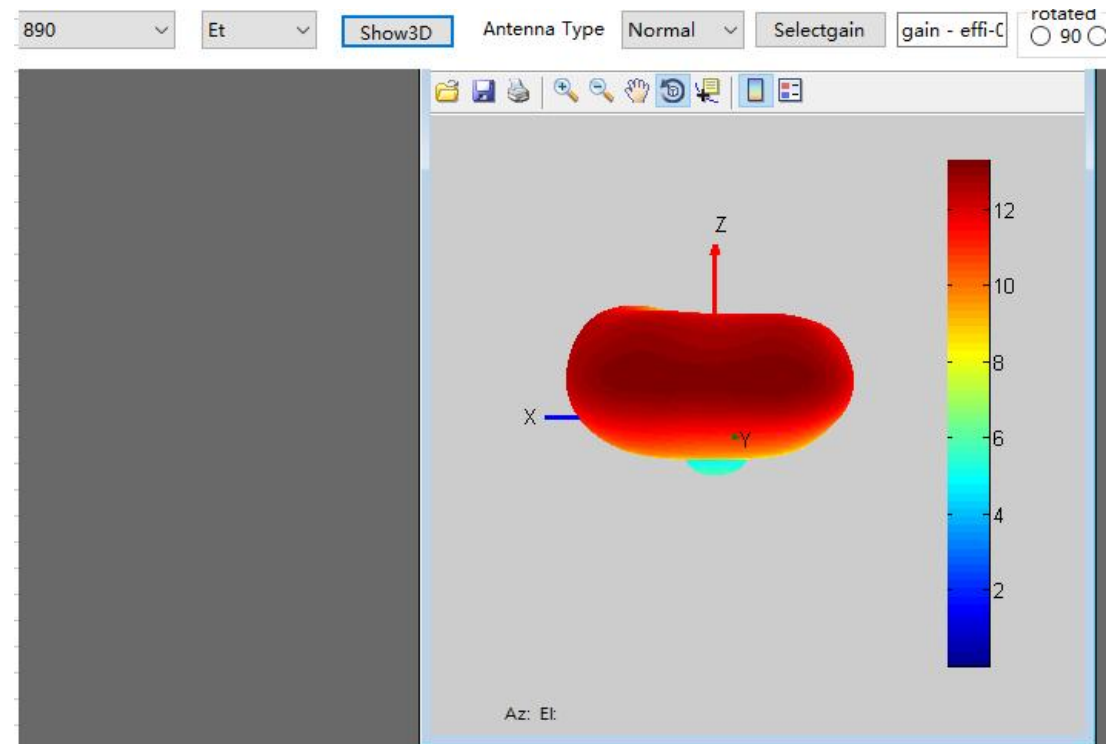
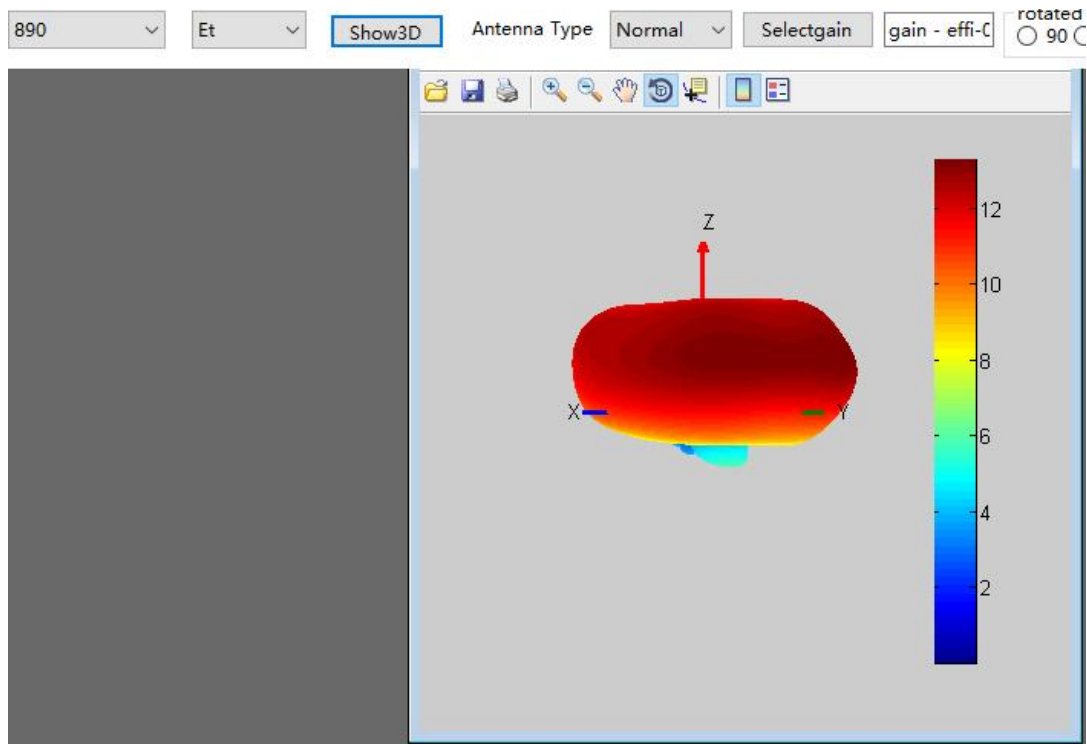
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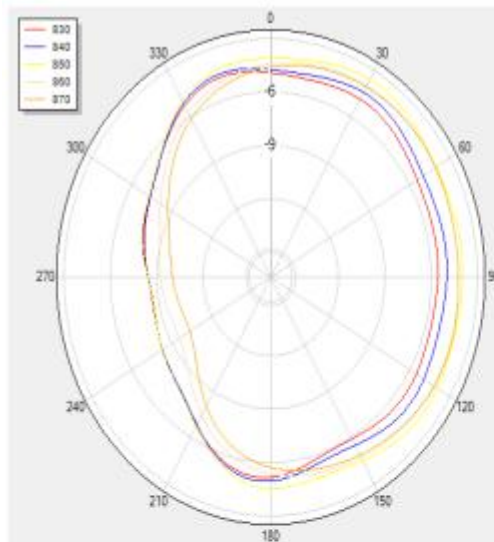
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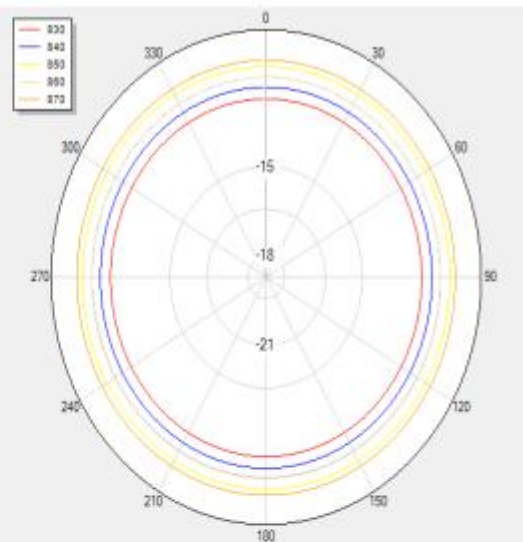
GSM850 WB5 LTE B5



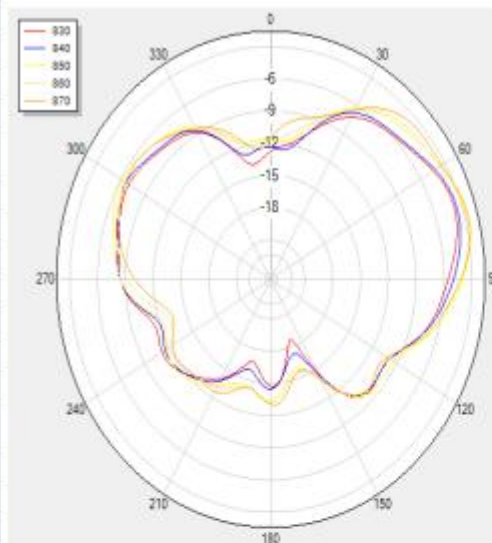
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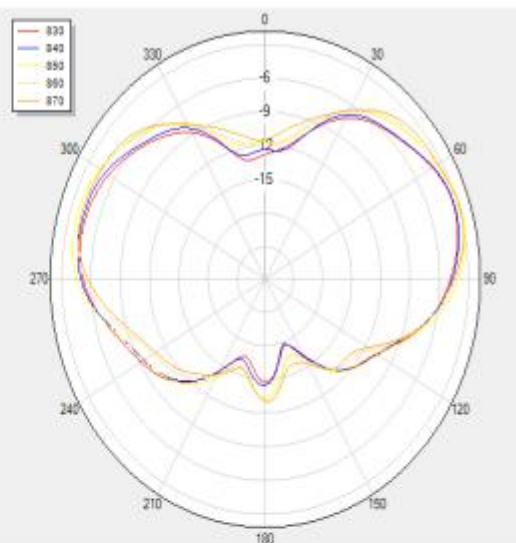
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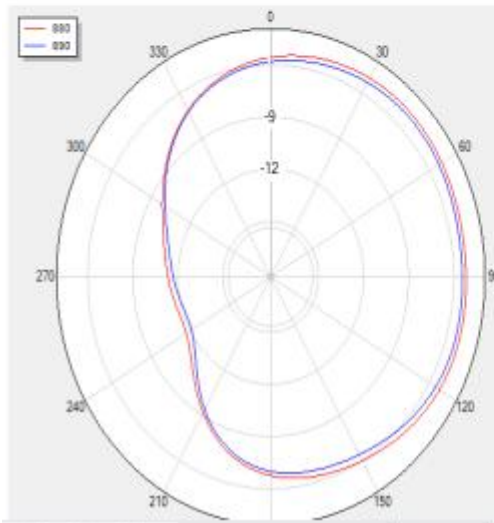
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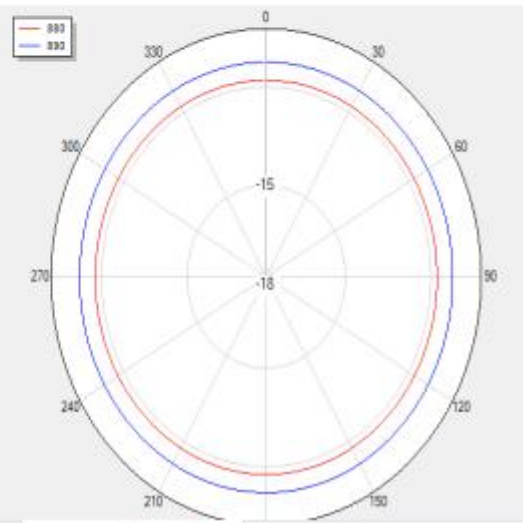
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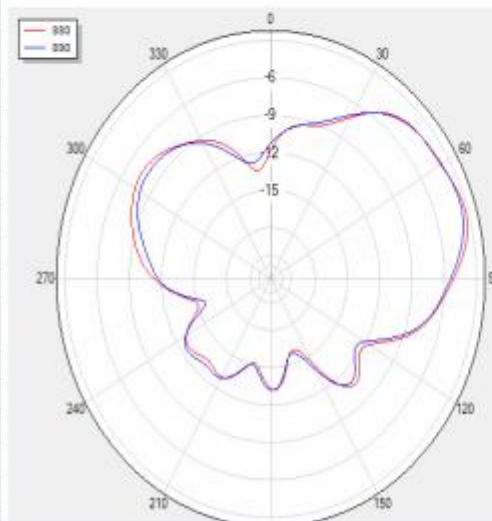
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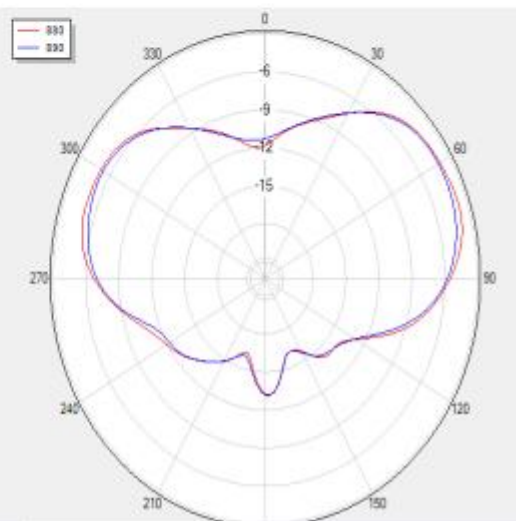
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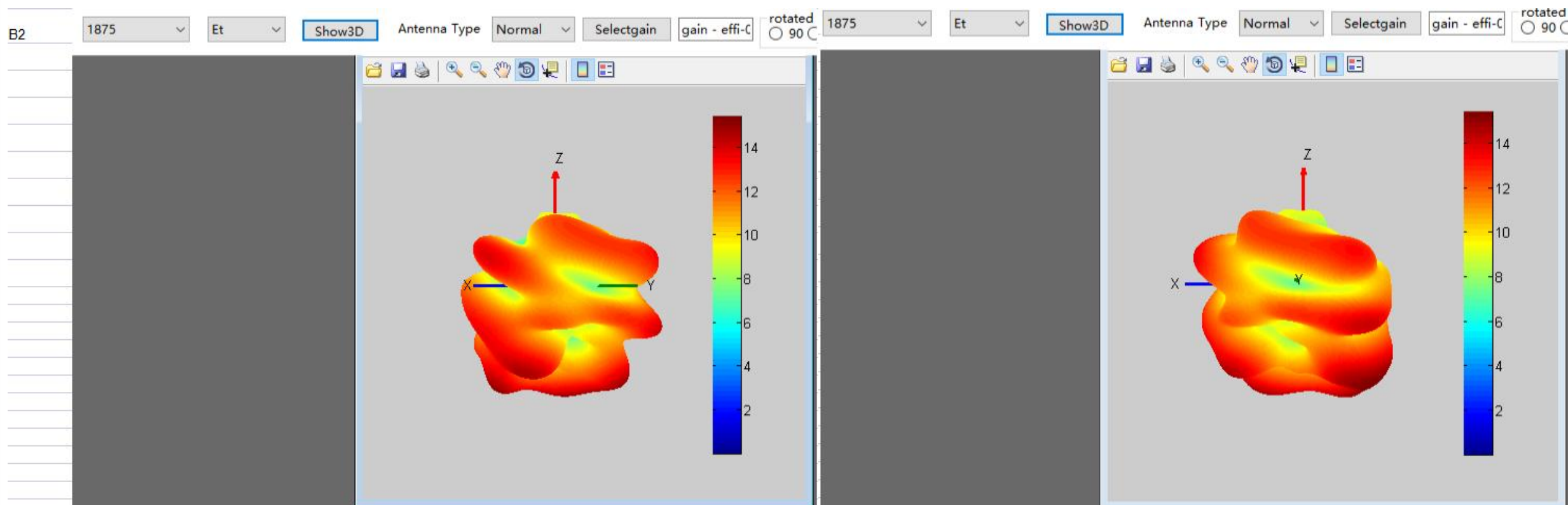


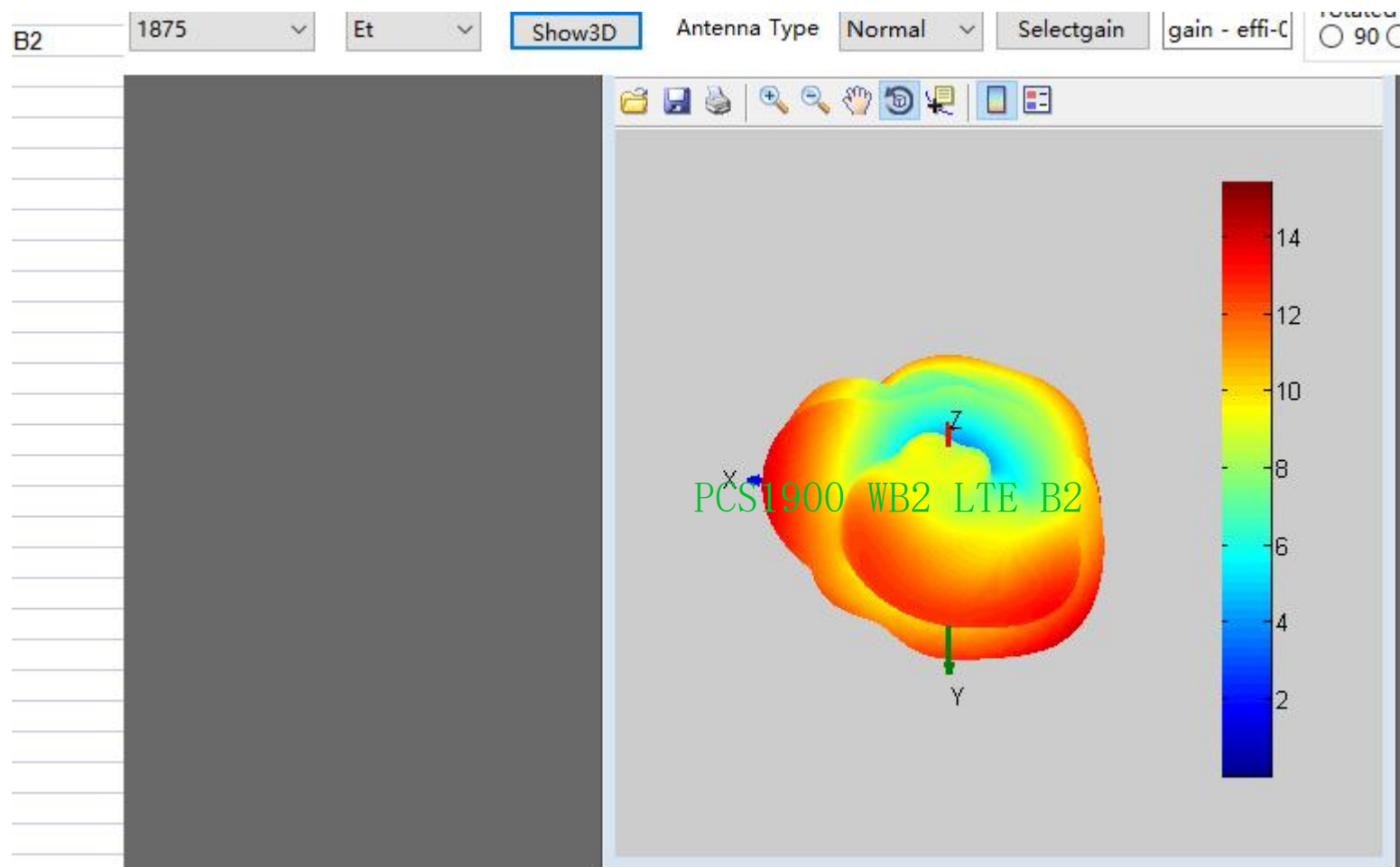
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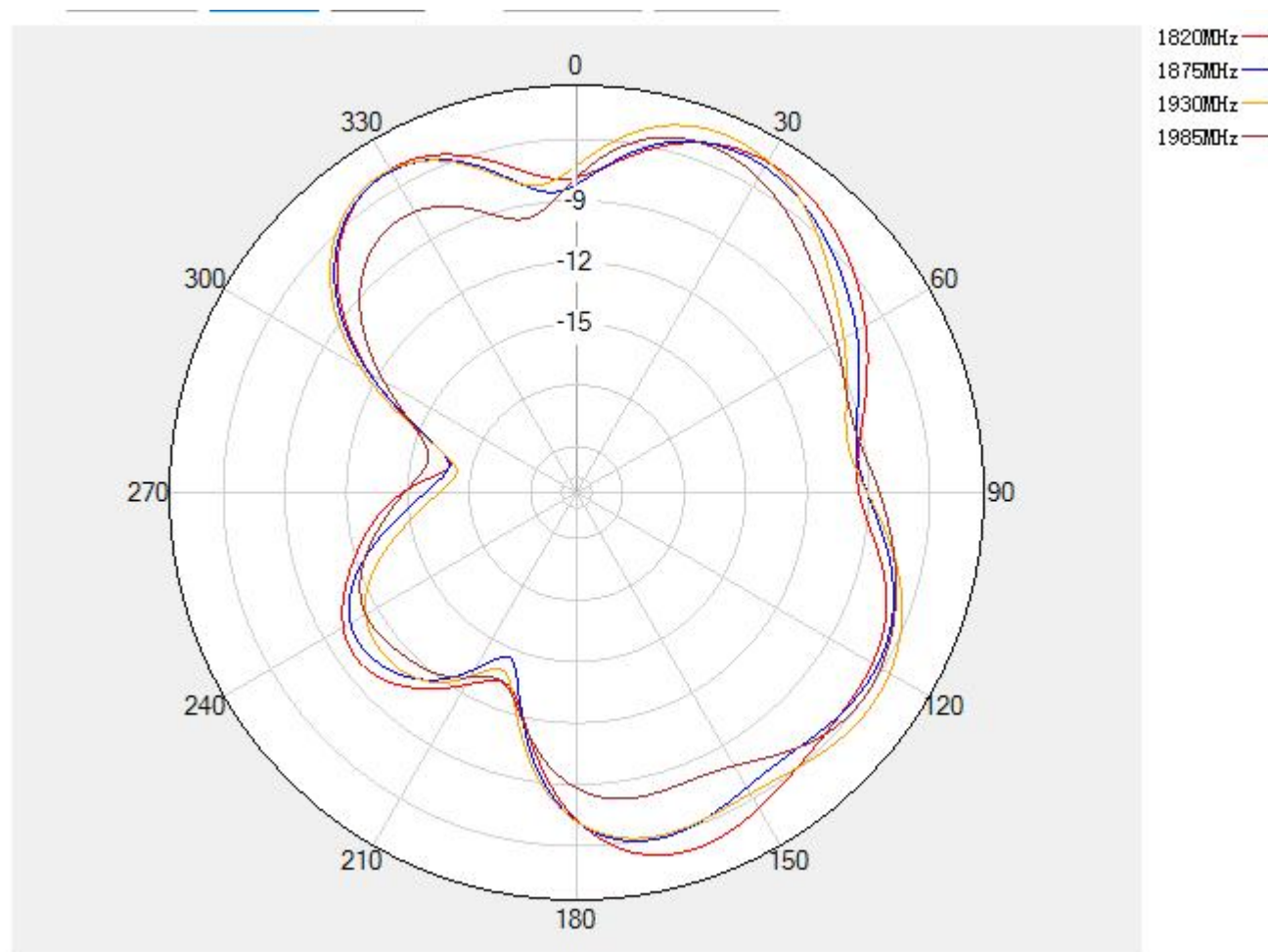


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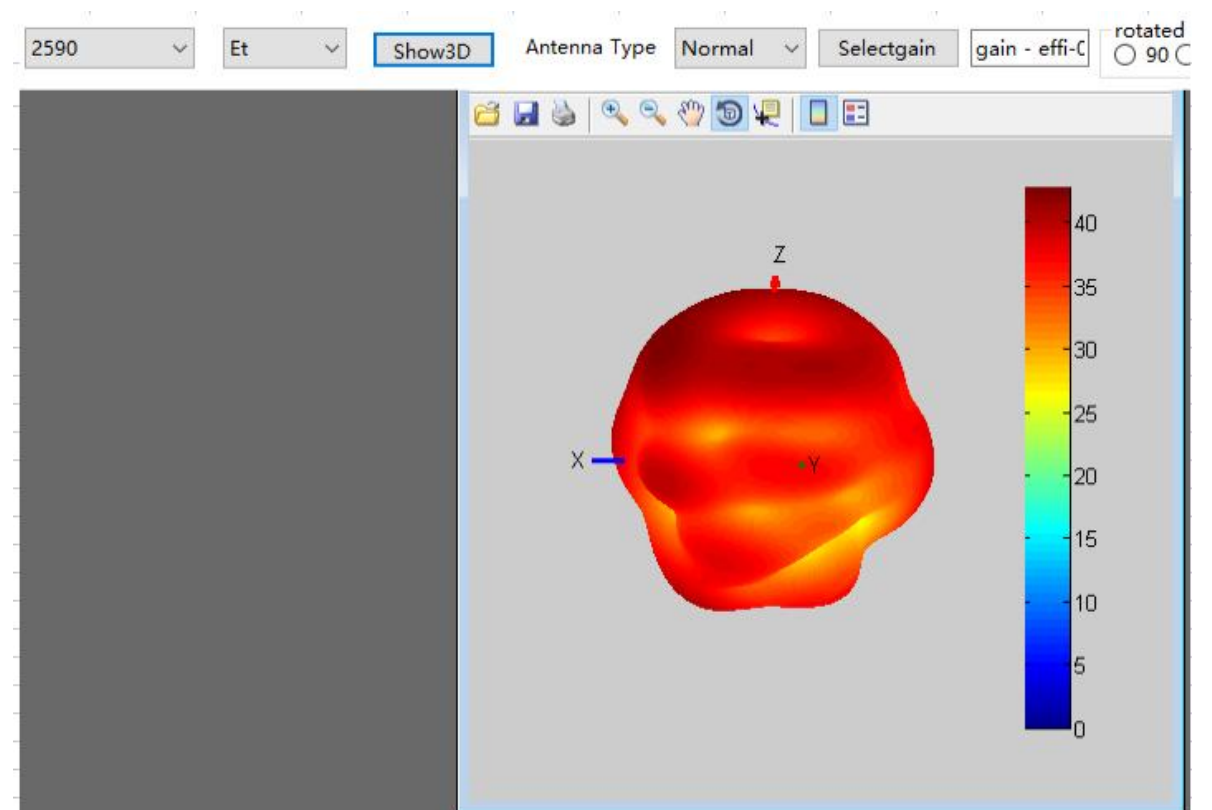
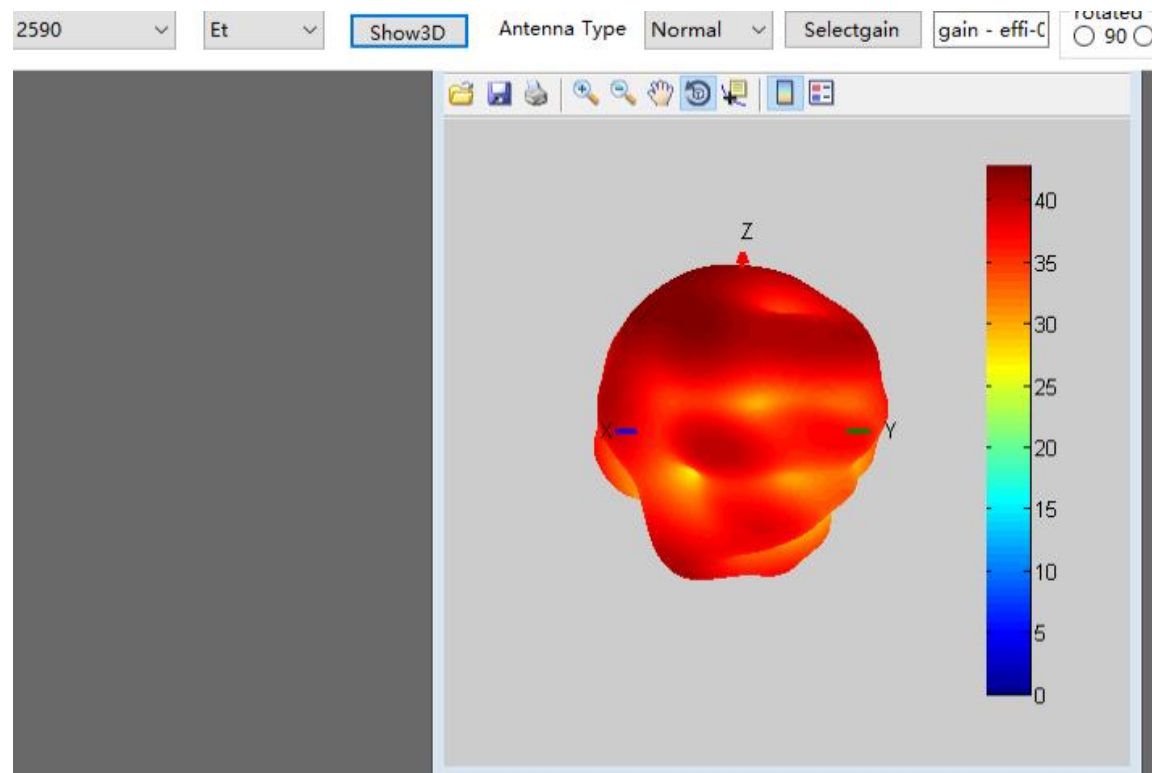


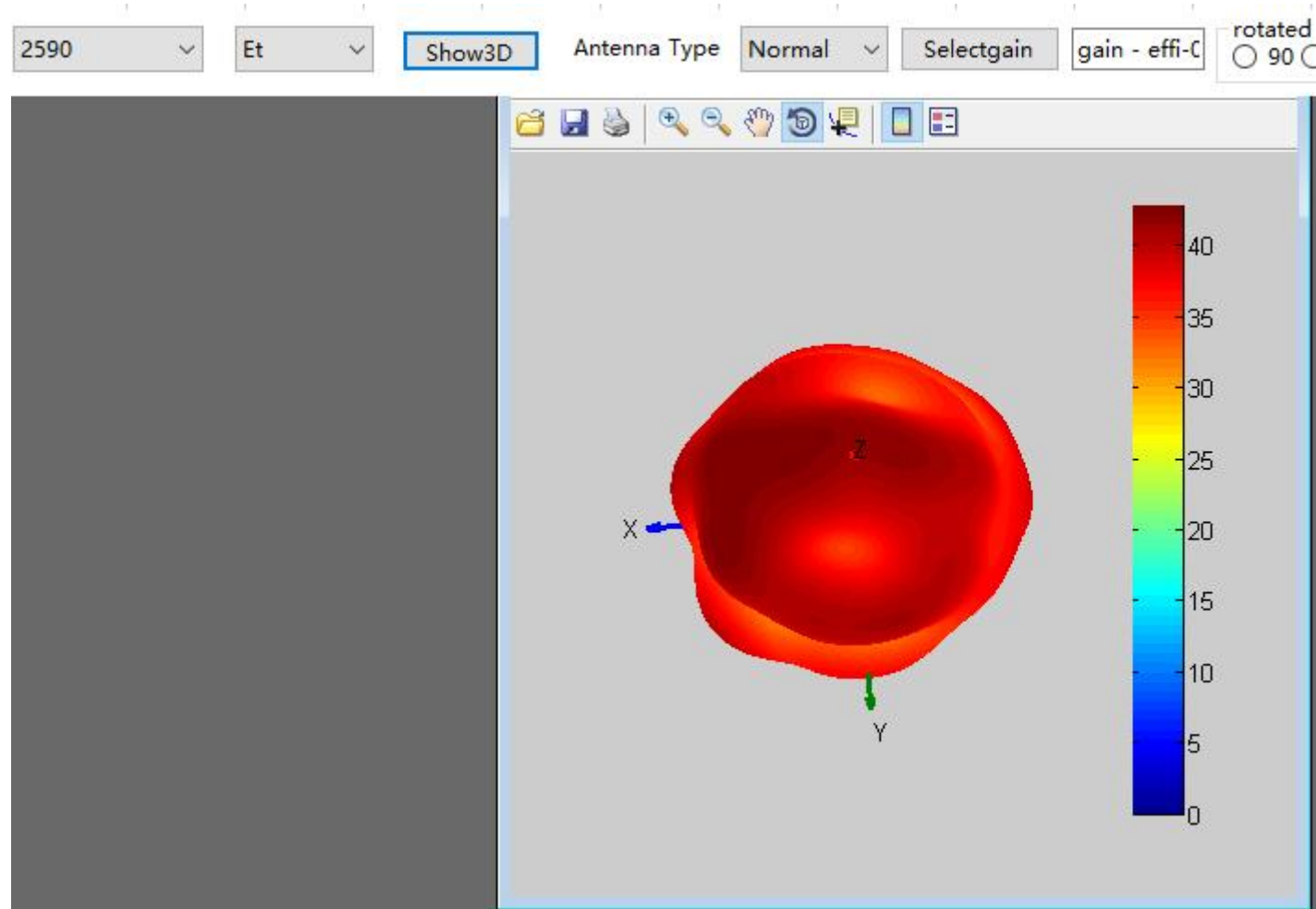




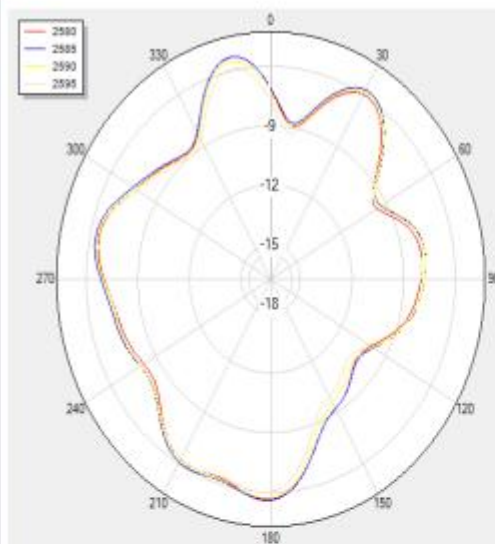


LTE B41

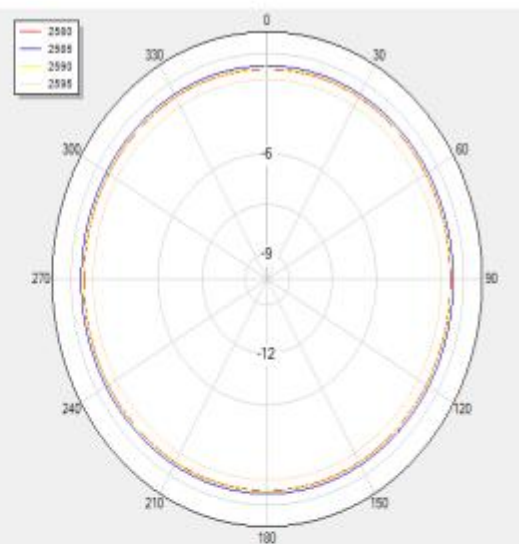




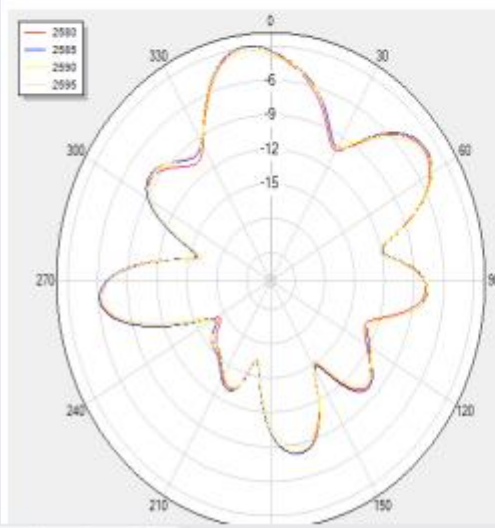
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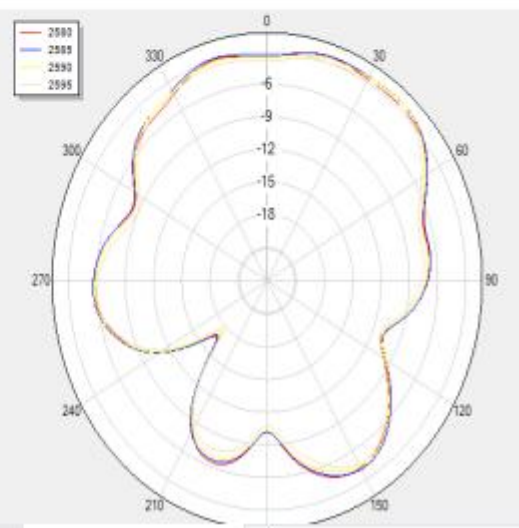
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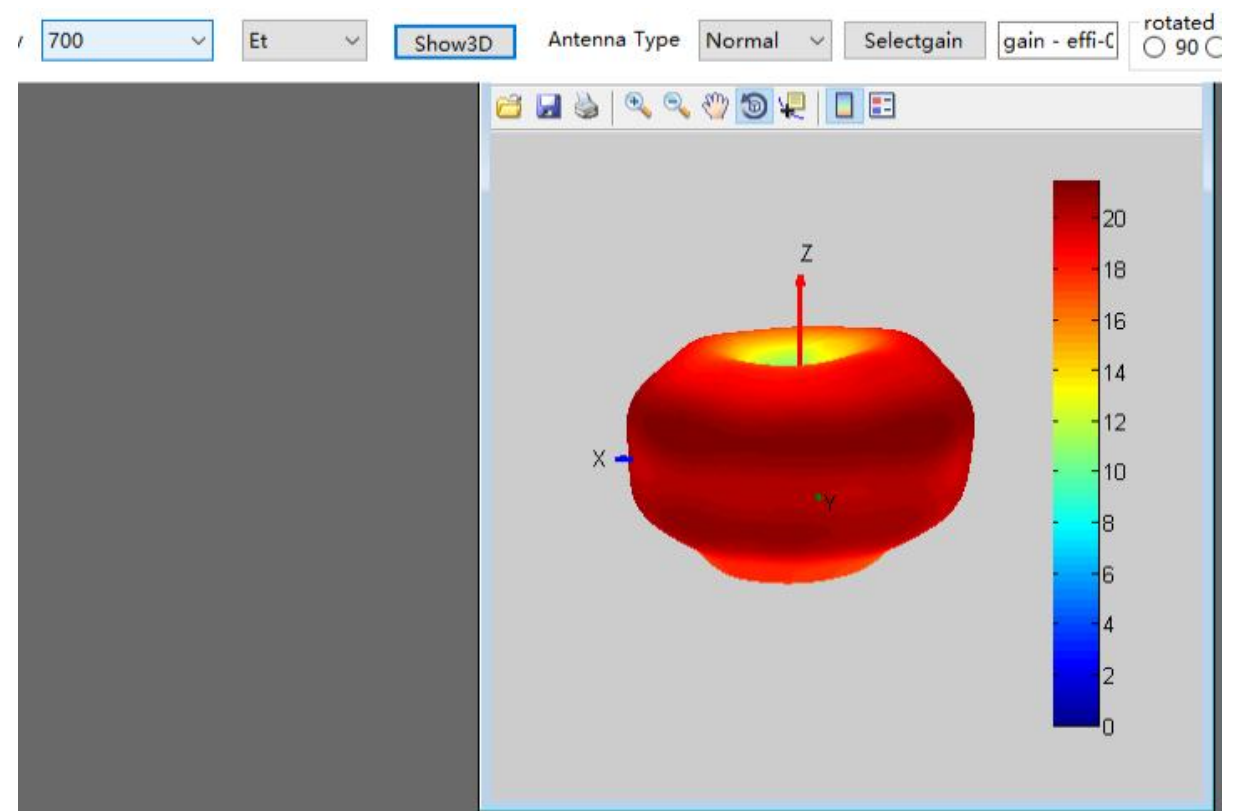
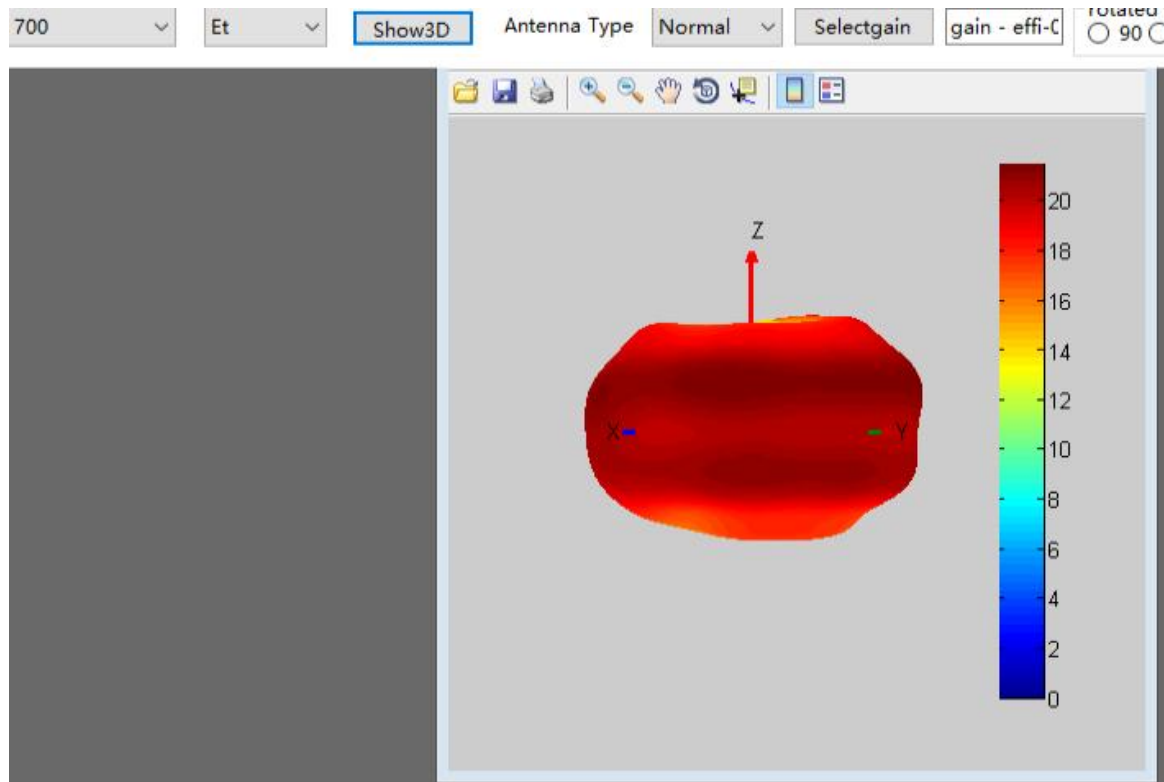
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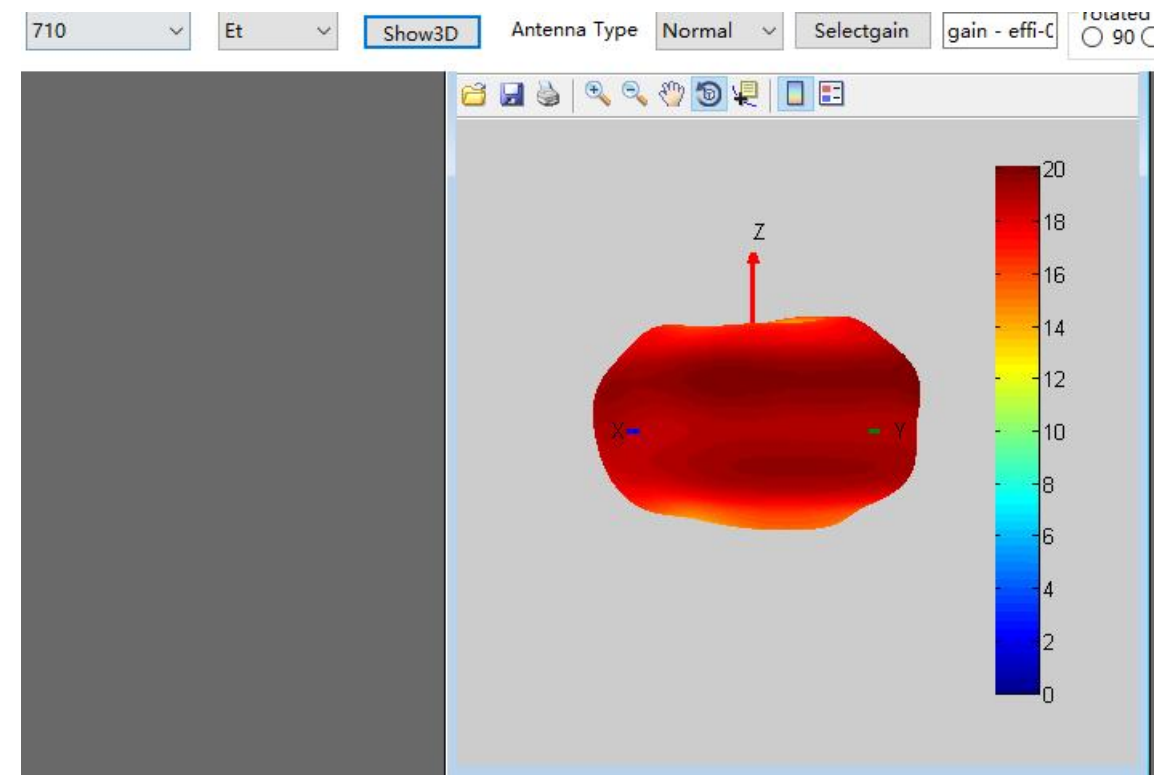
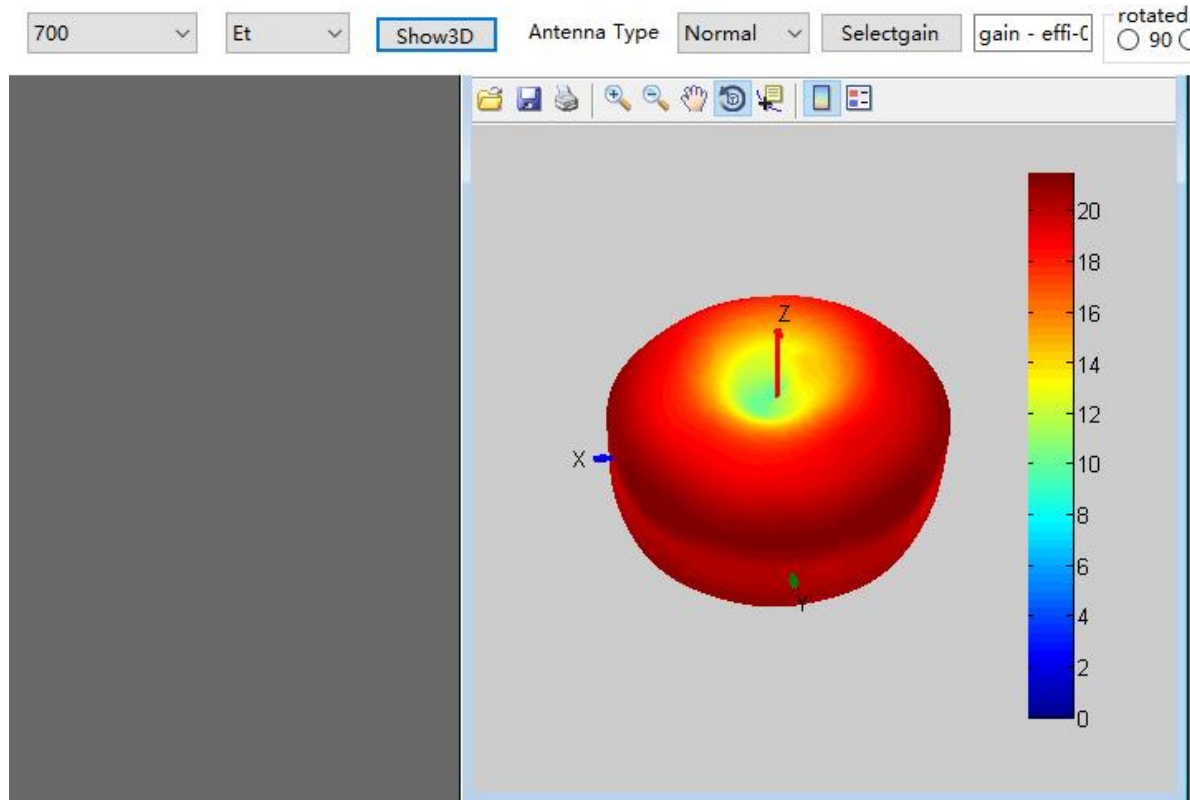
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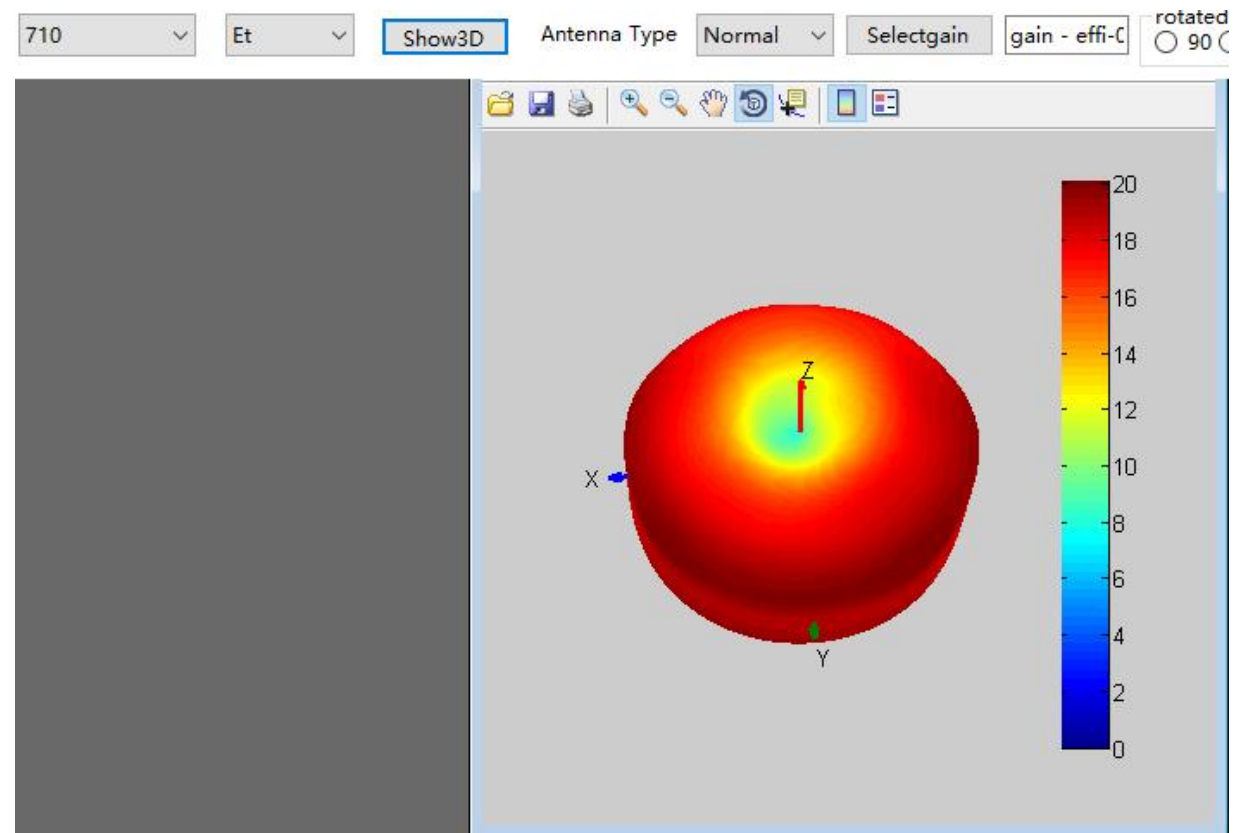
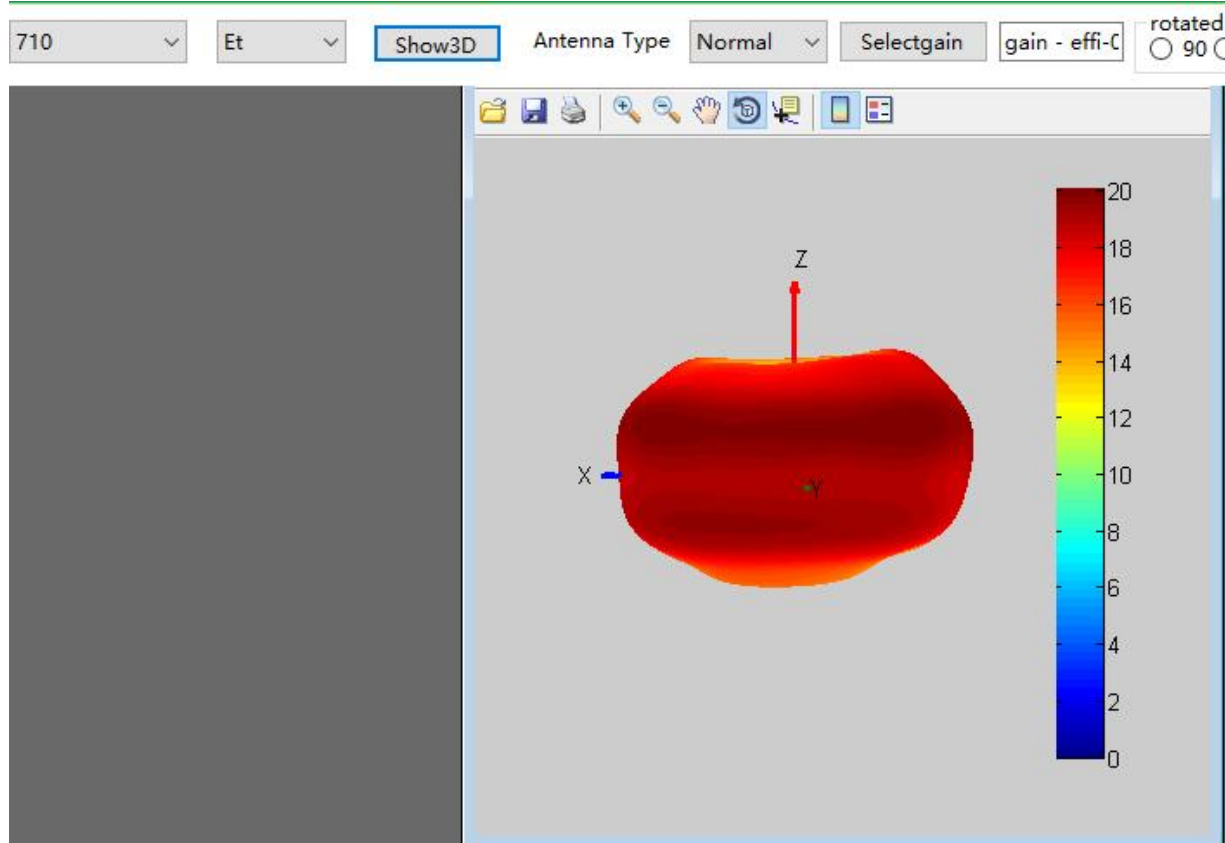
LTE B12



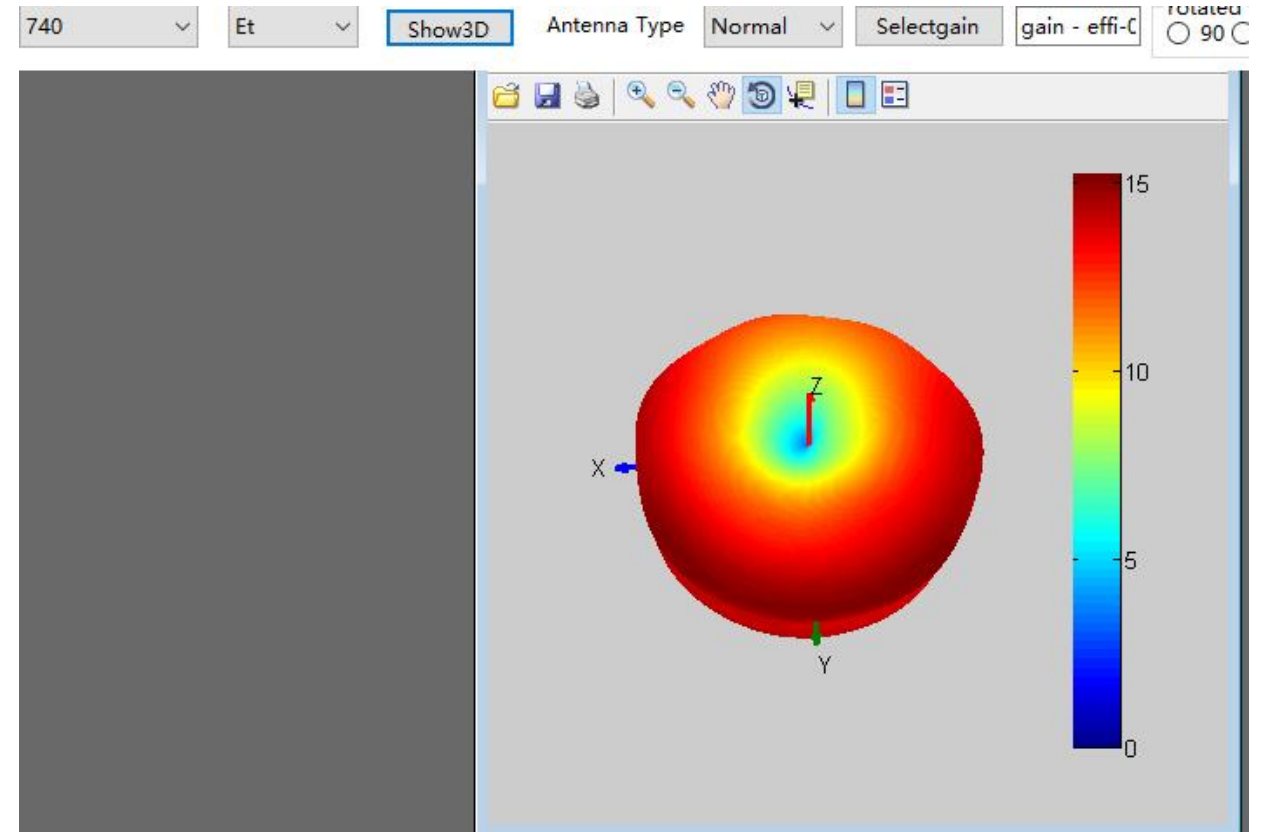
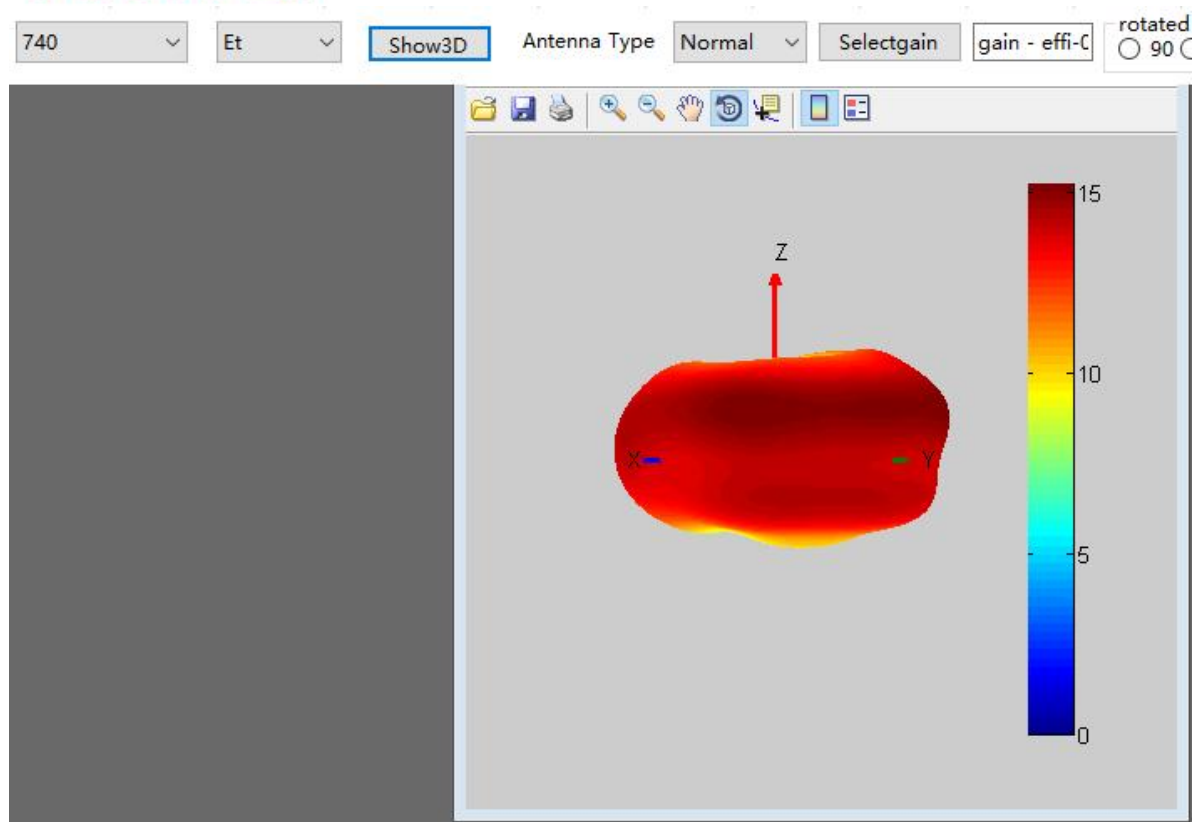
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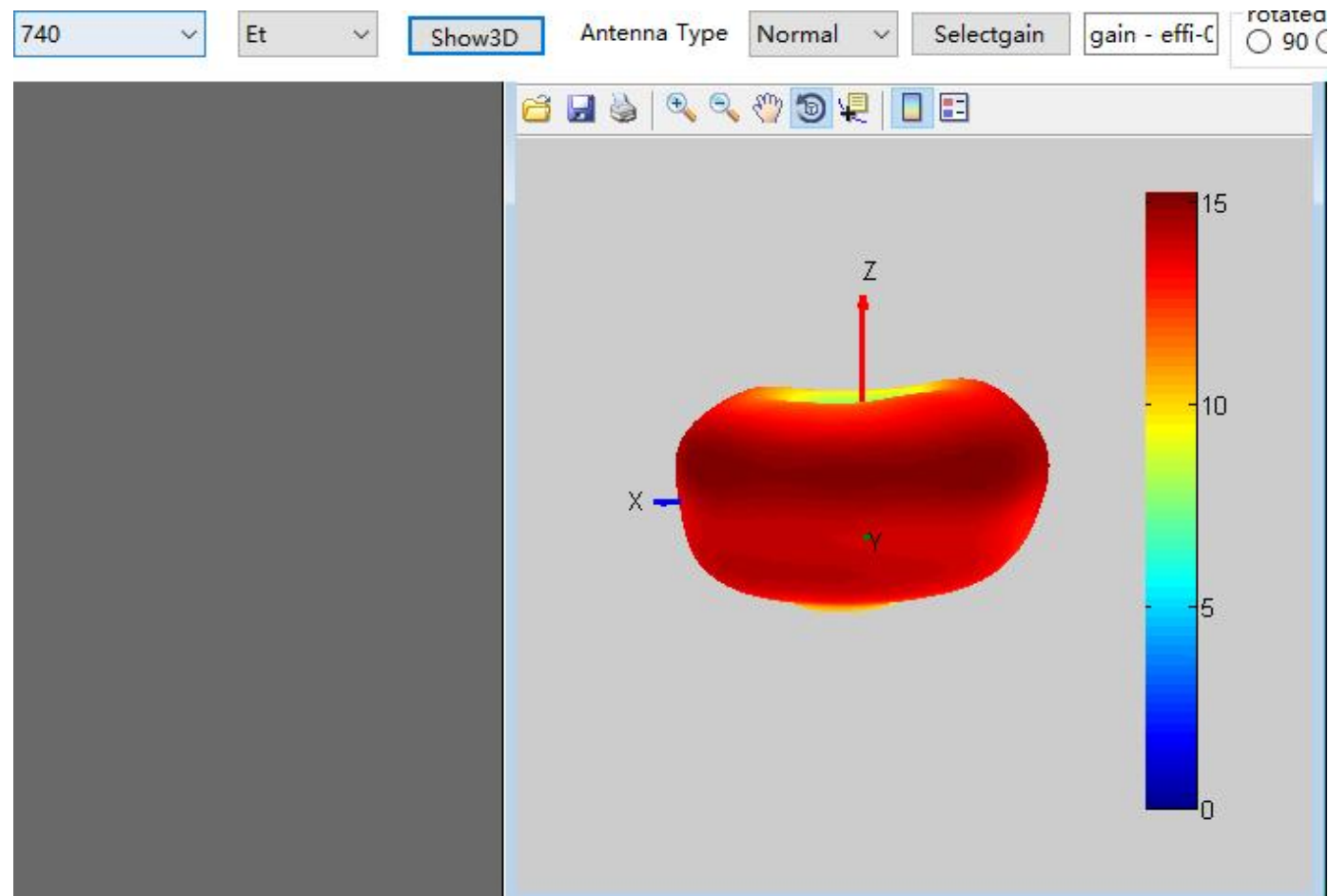


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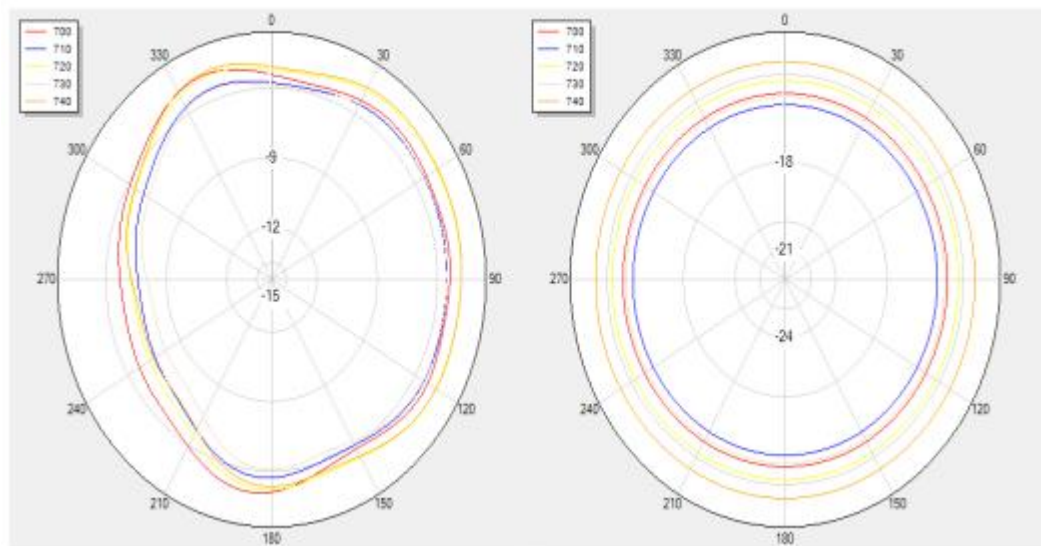
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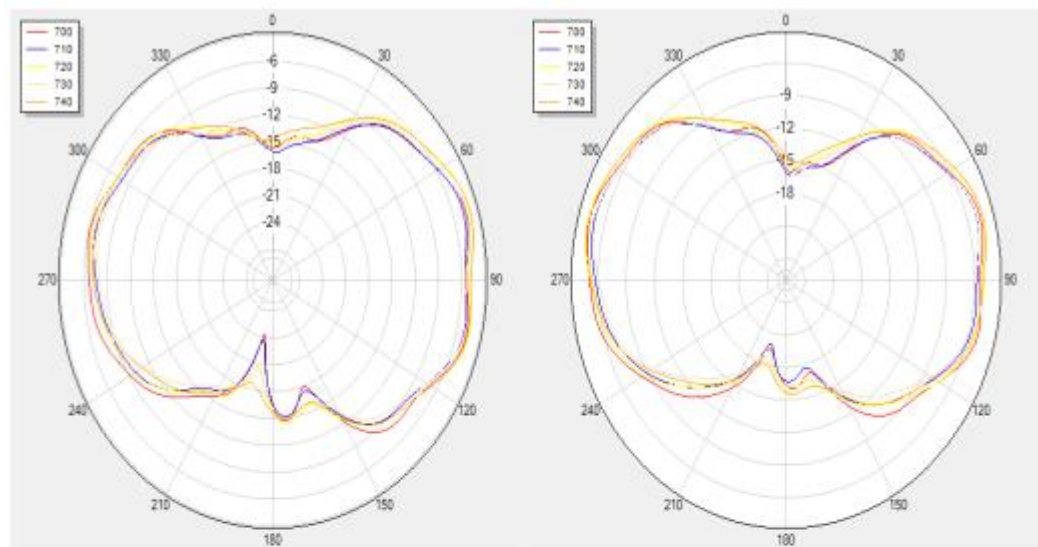
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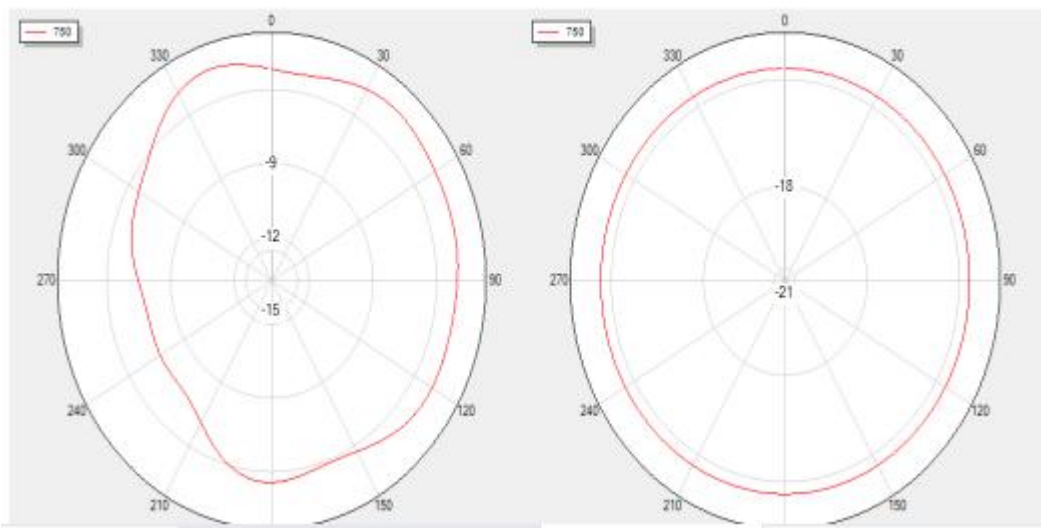
V Phi=90

V Phi=0



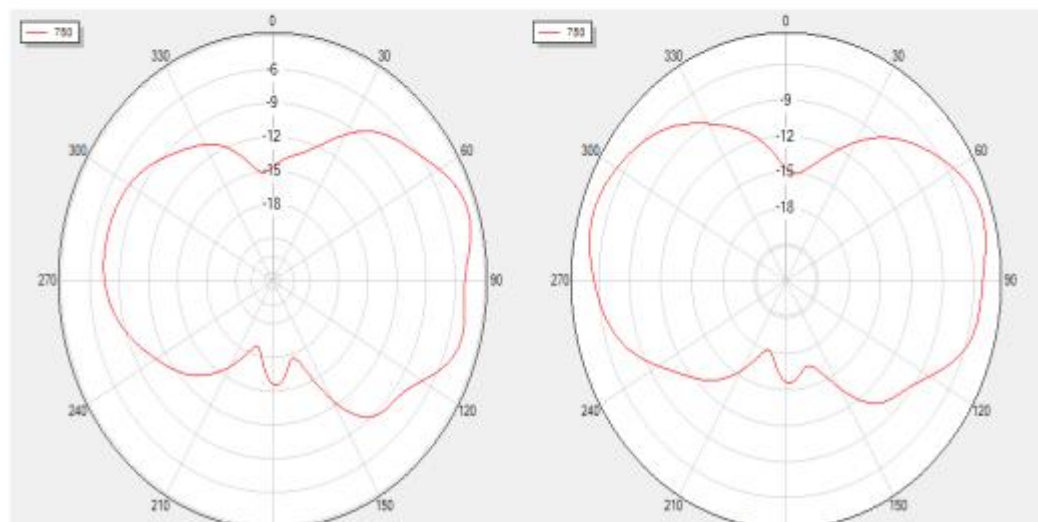
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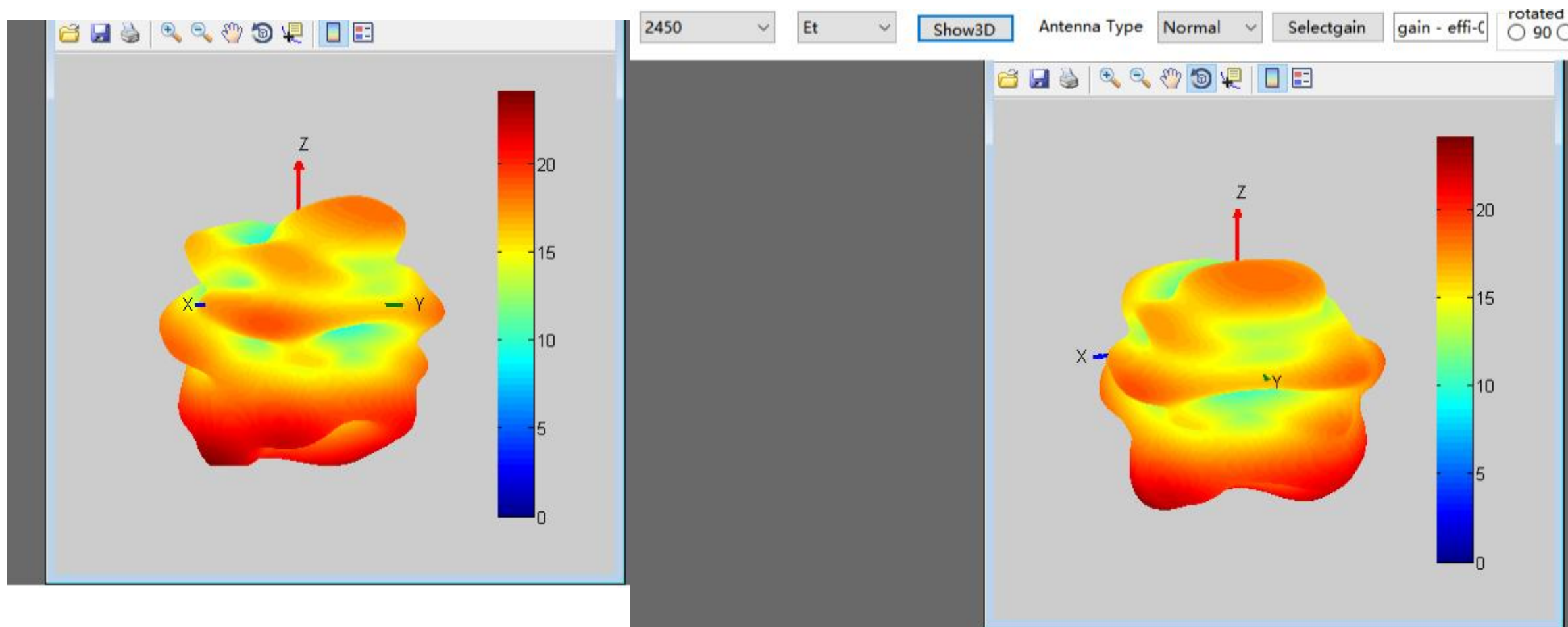


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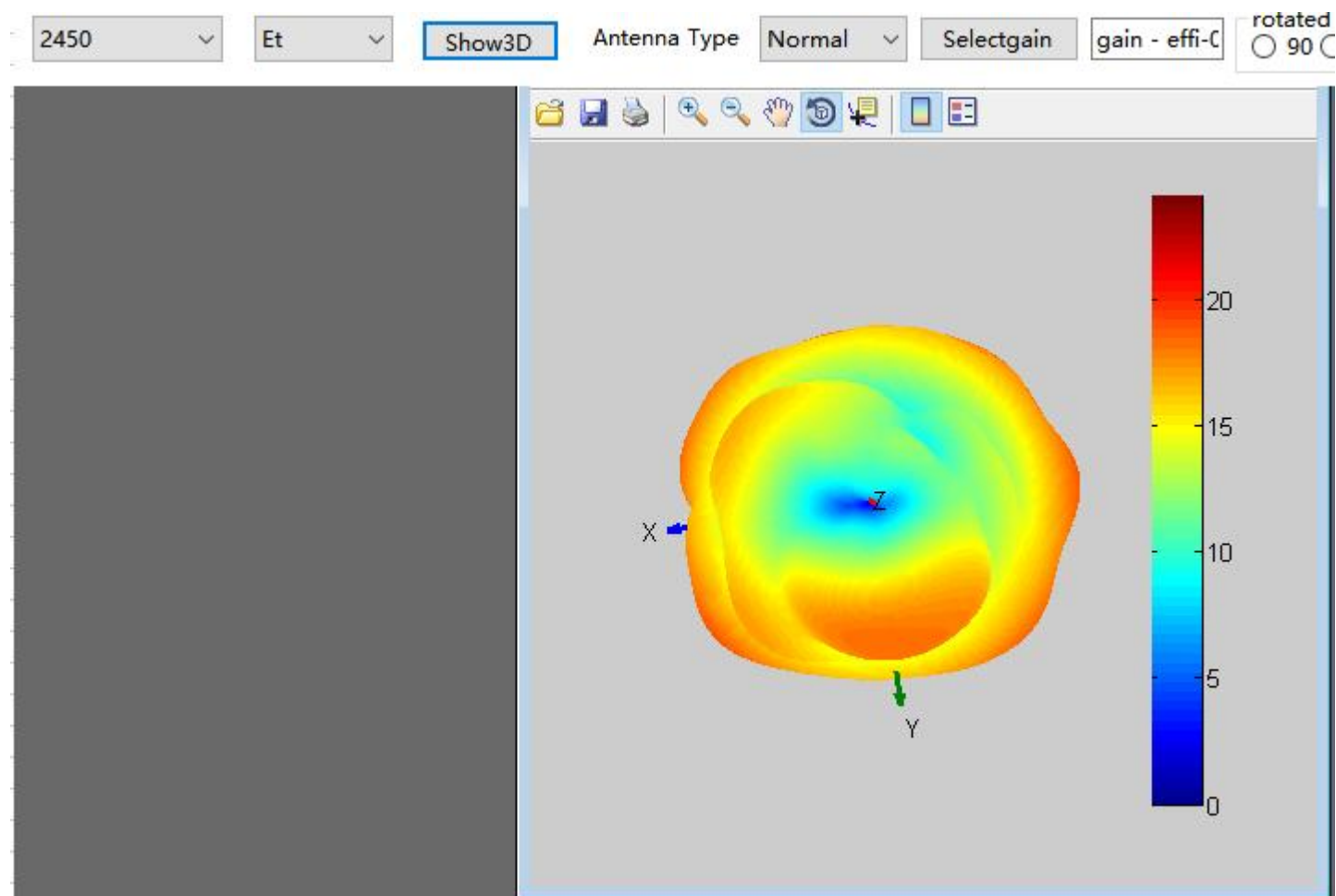
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BT @ 2.4GWIFI

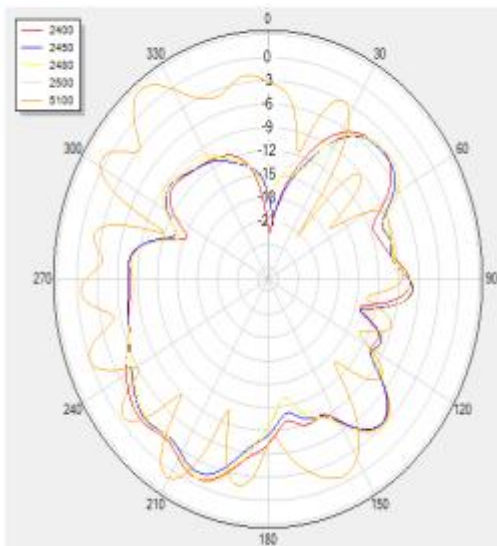


BT @ 2.4GWIFI

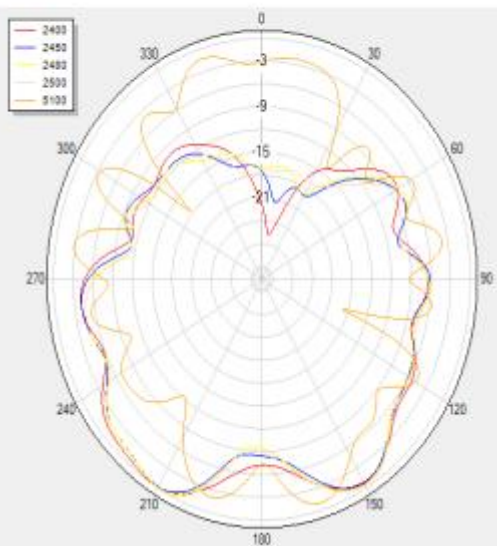


BT @ 2.4GWIFI

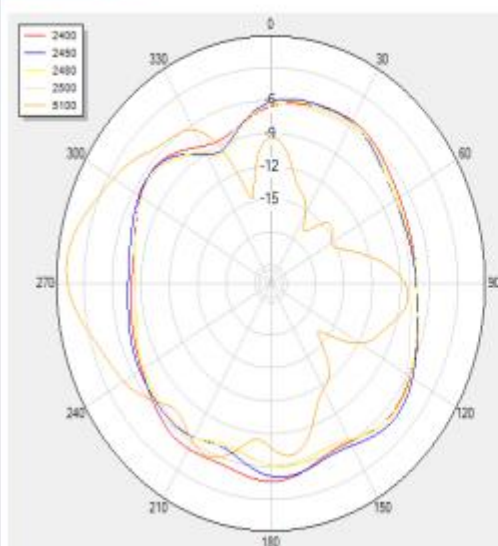
V Phi=90



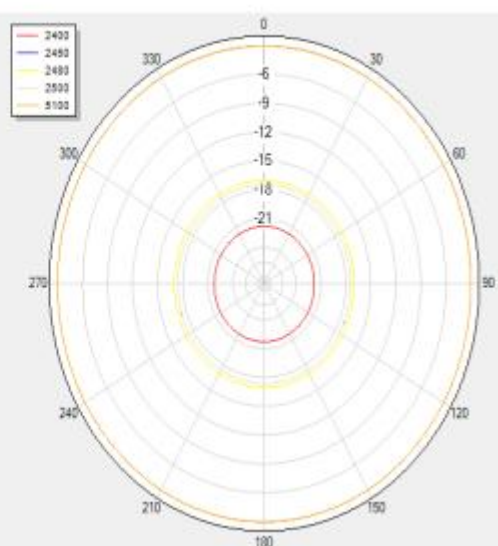
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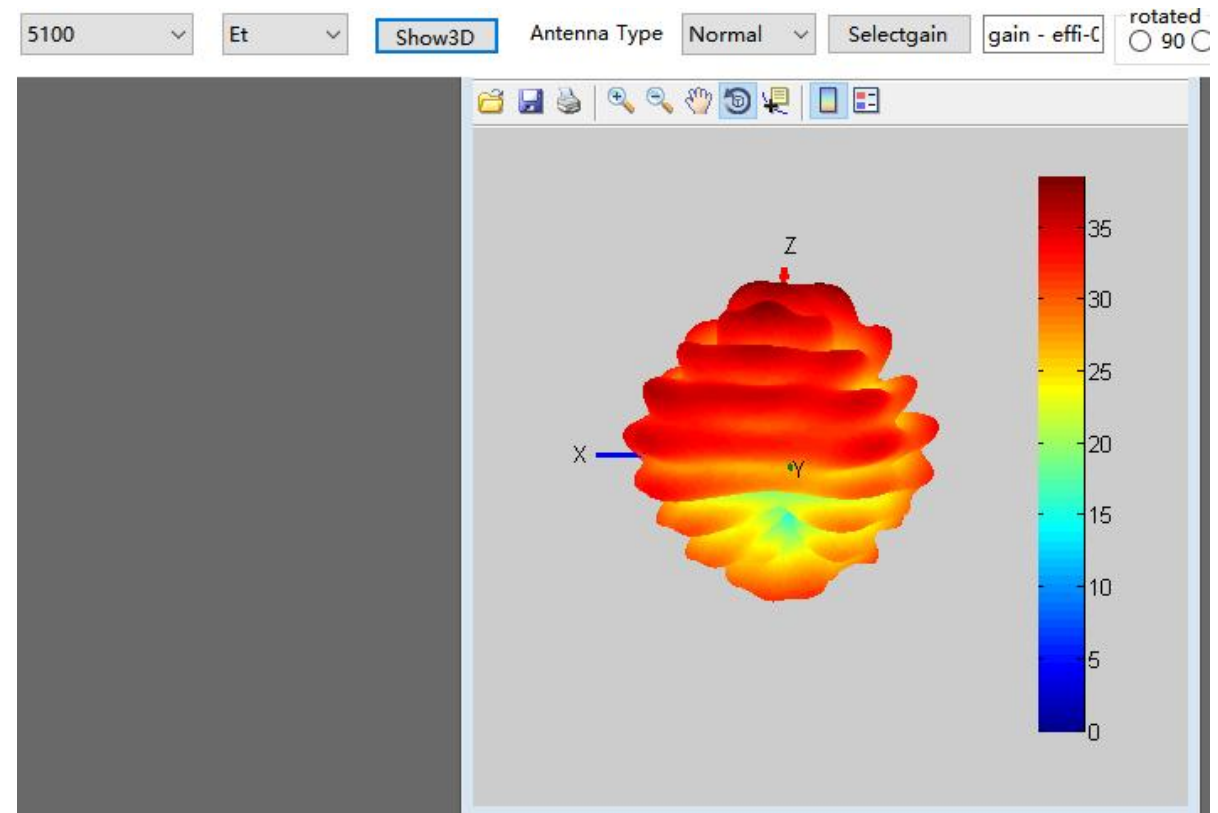
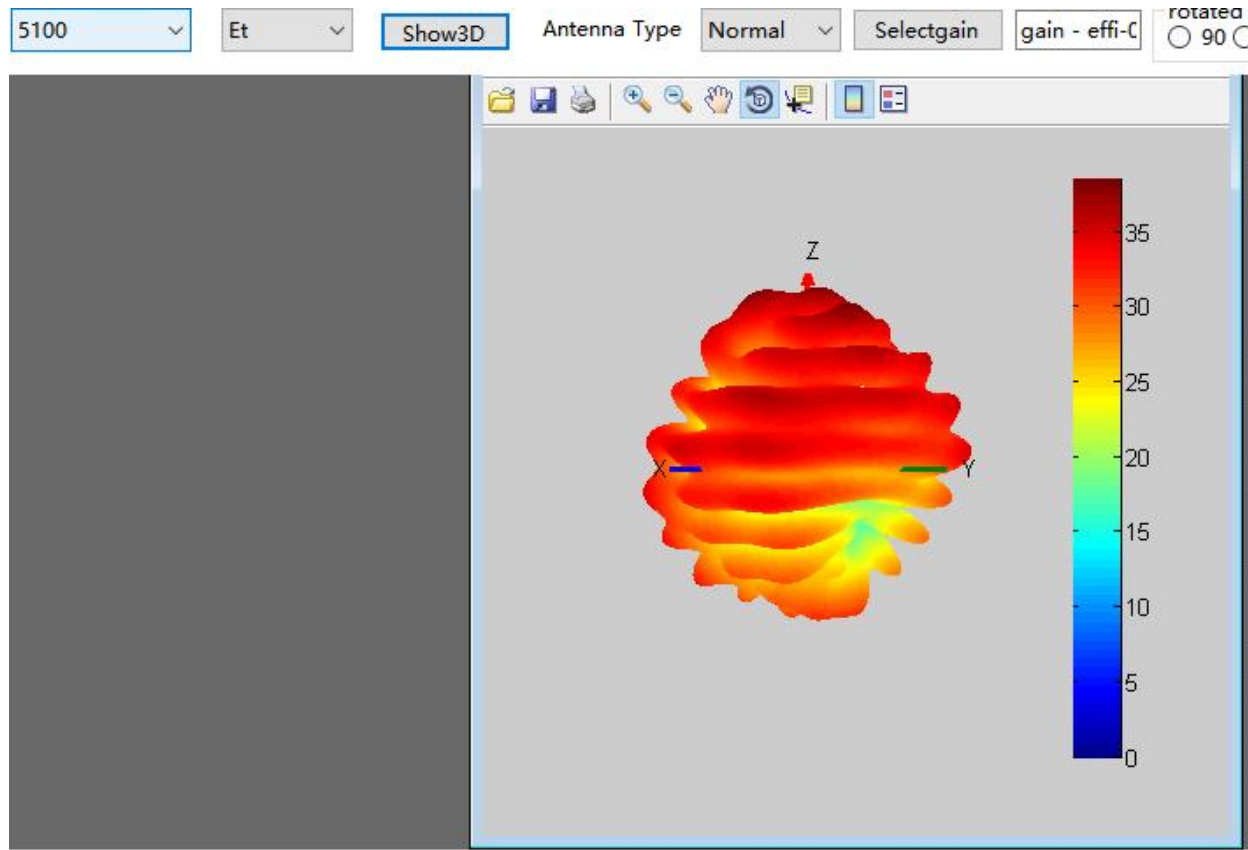


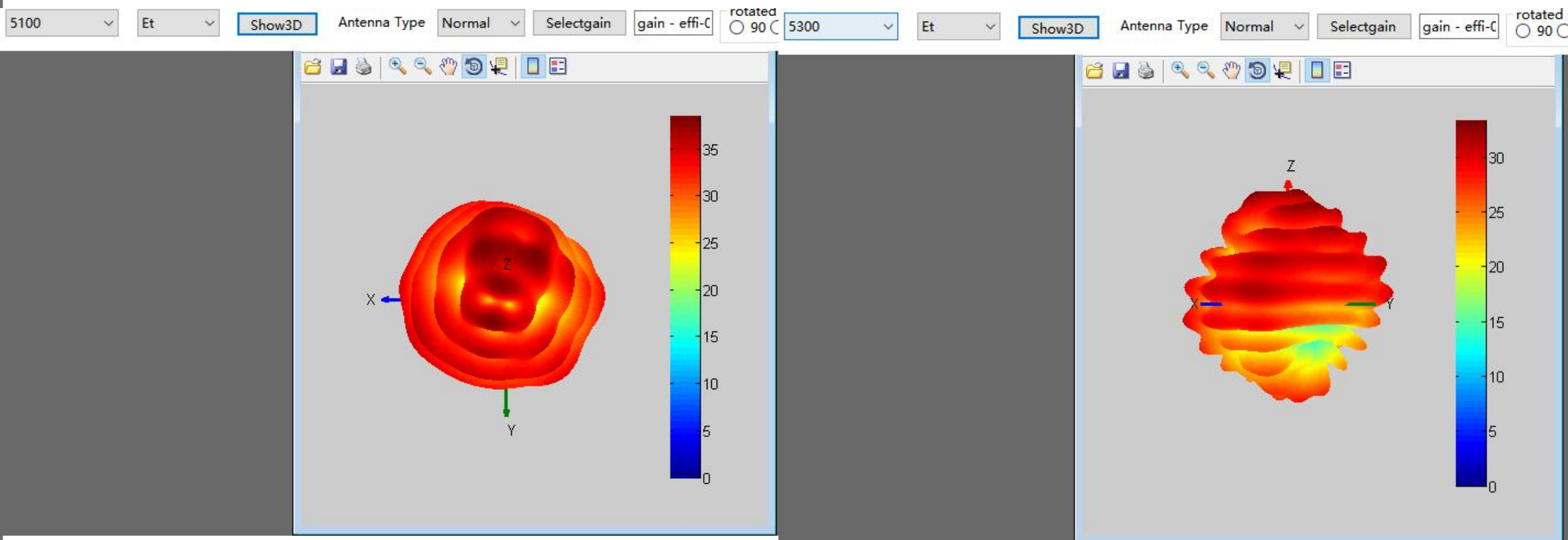
H Theta=90

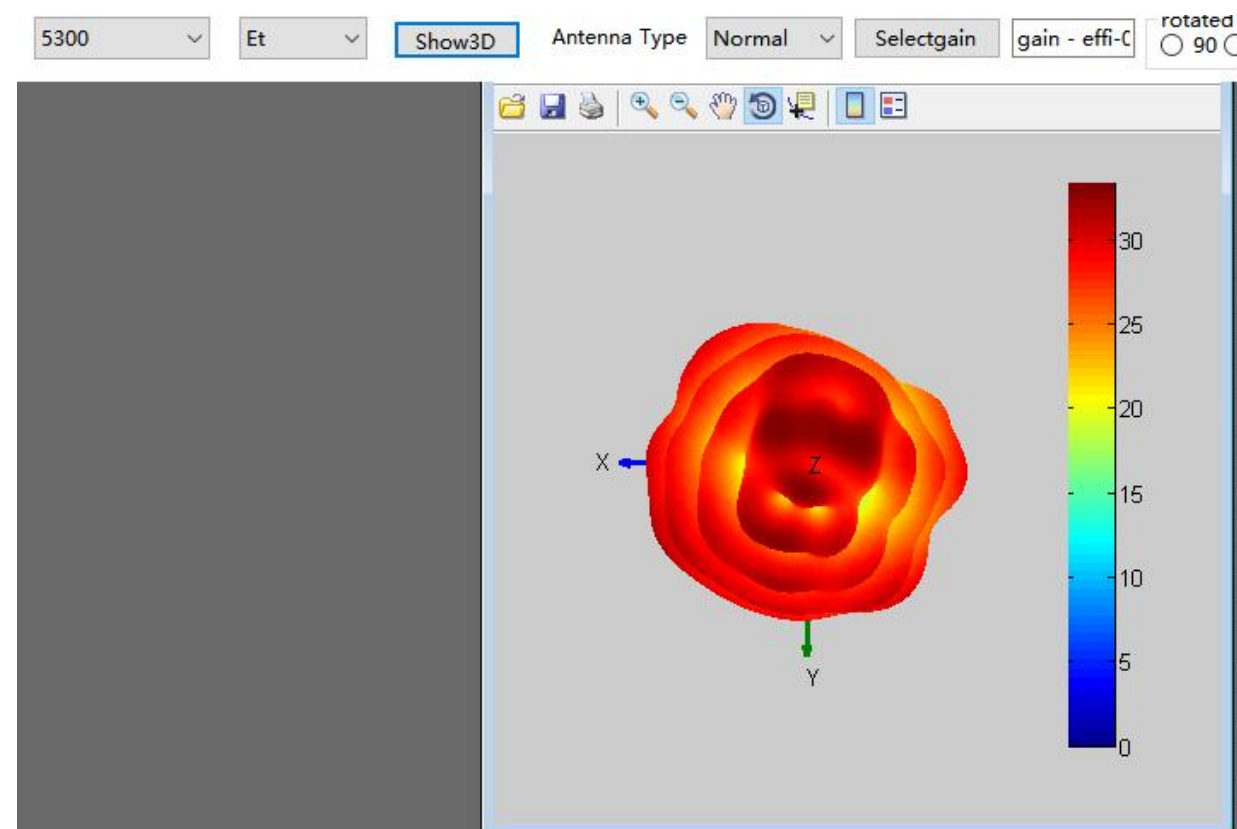
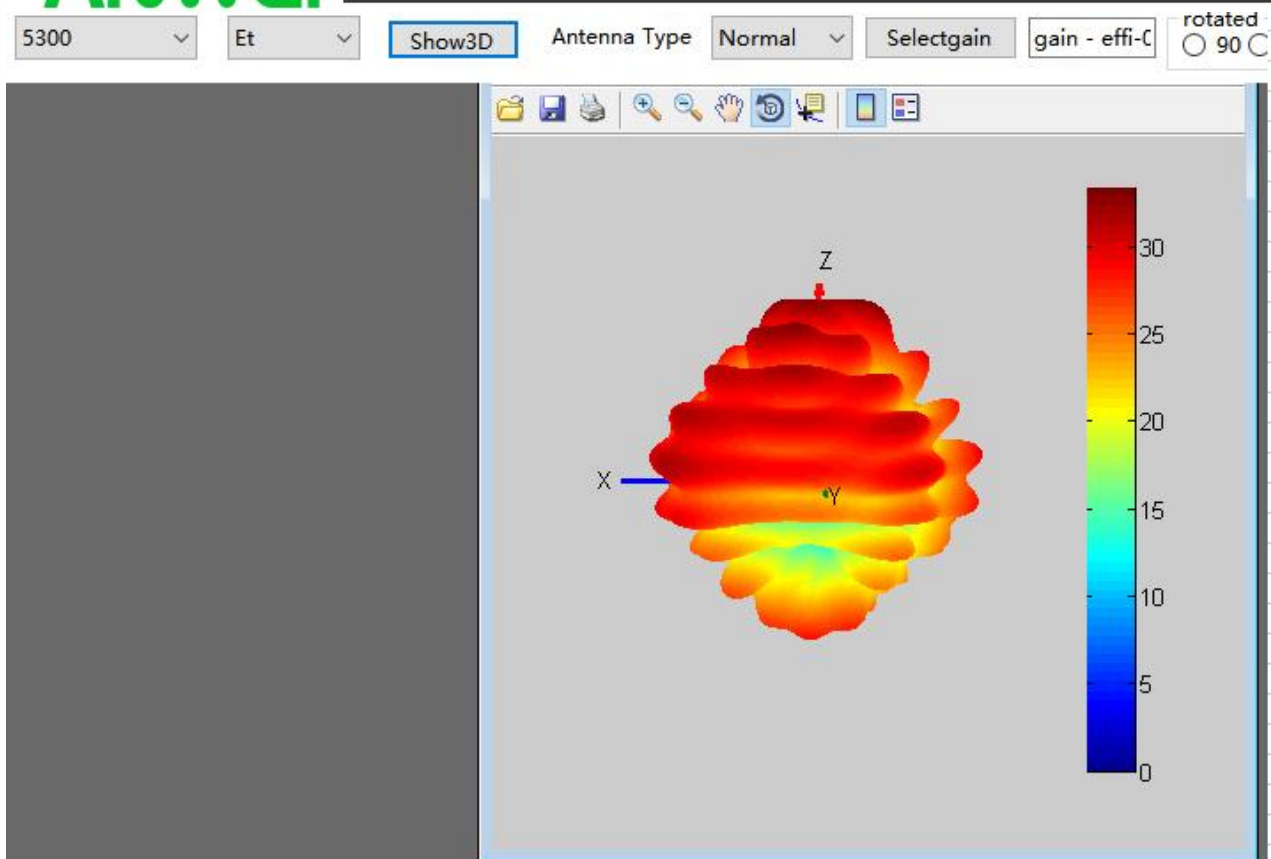


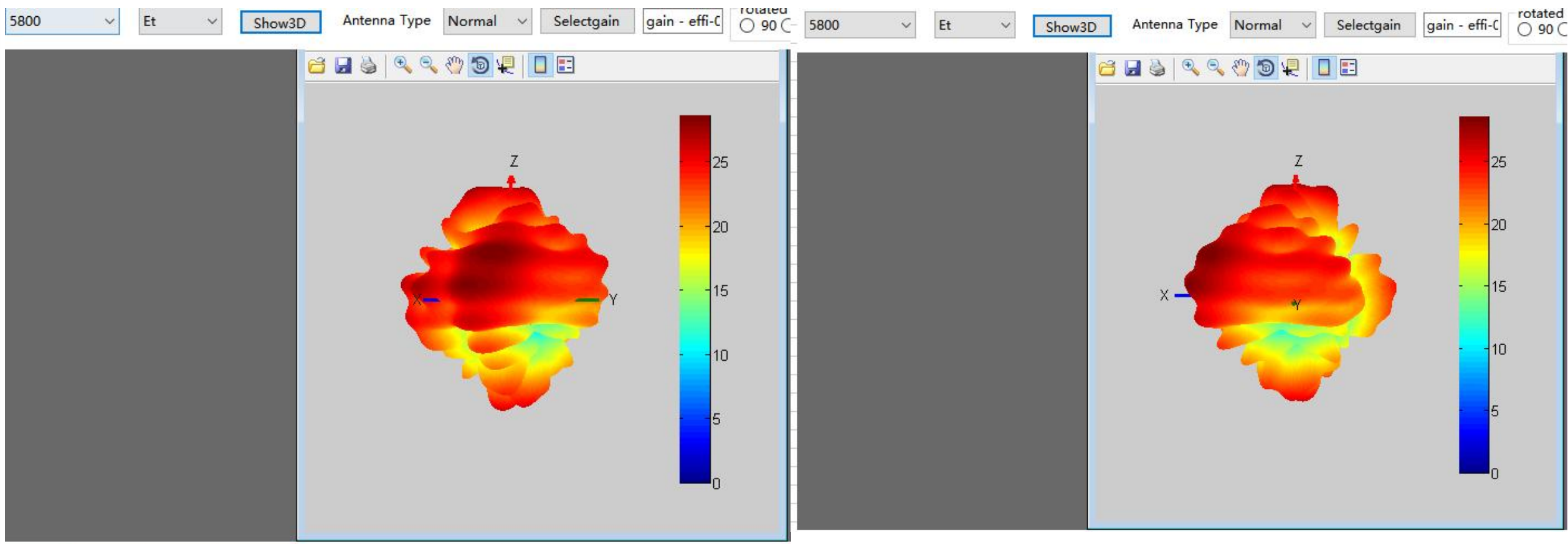
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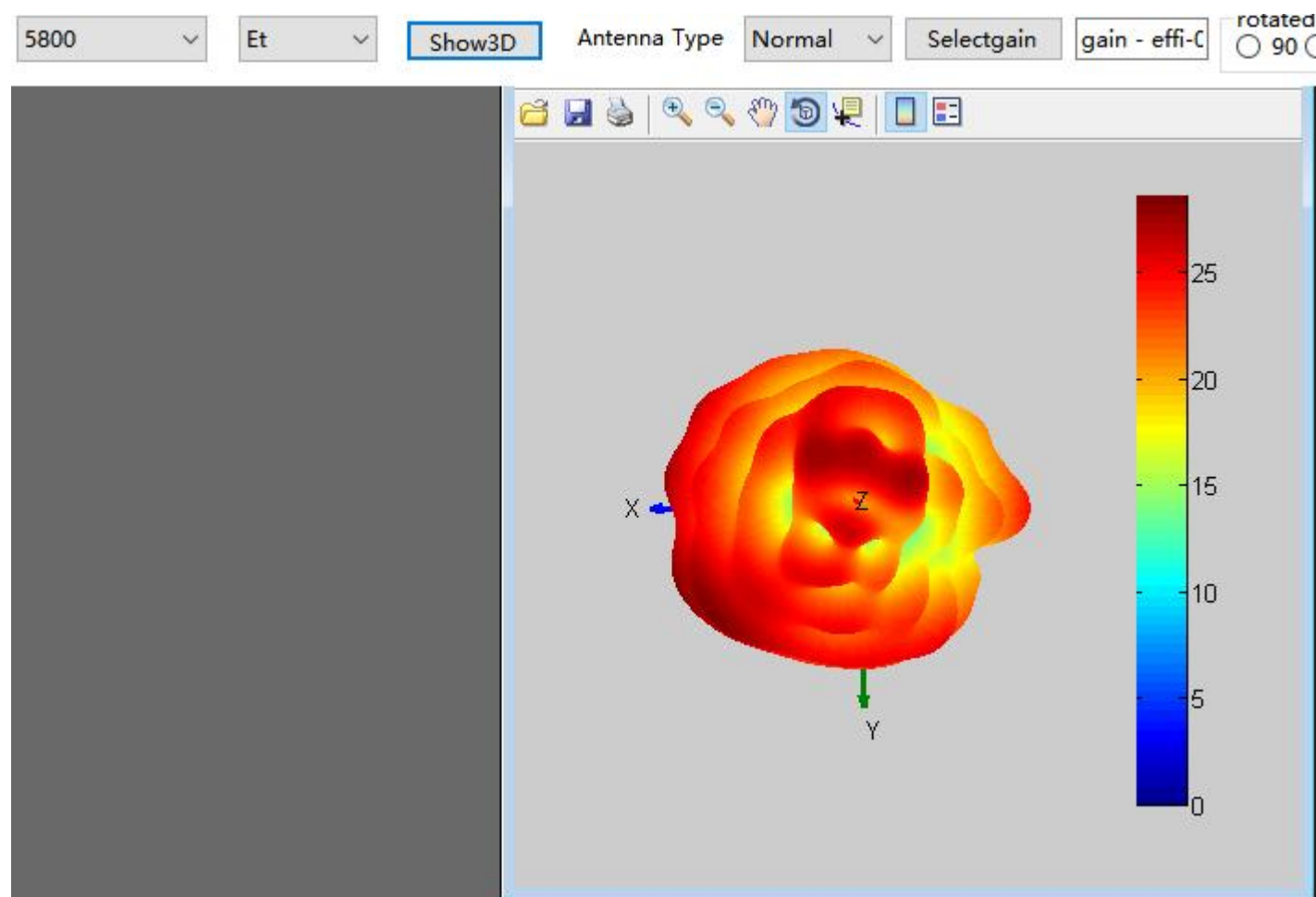


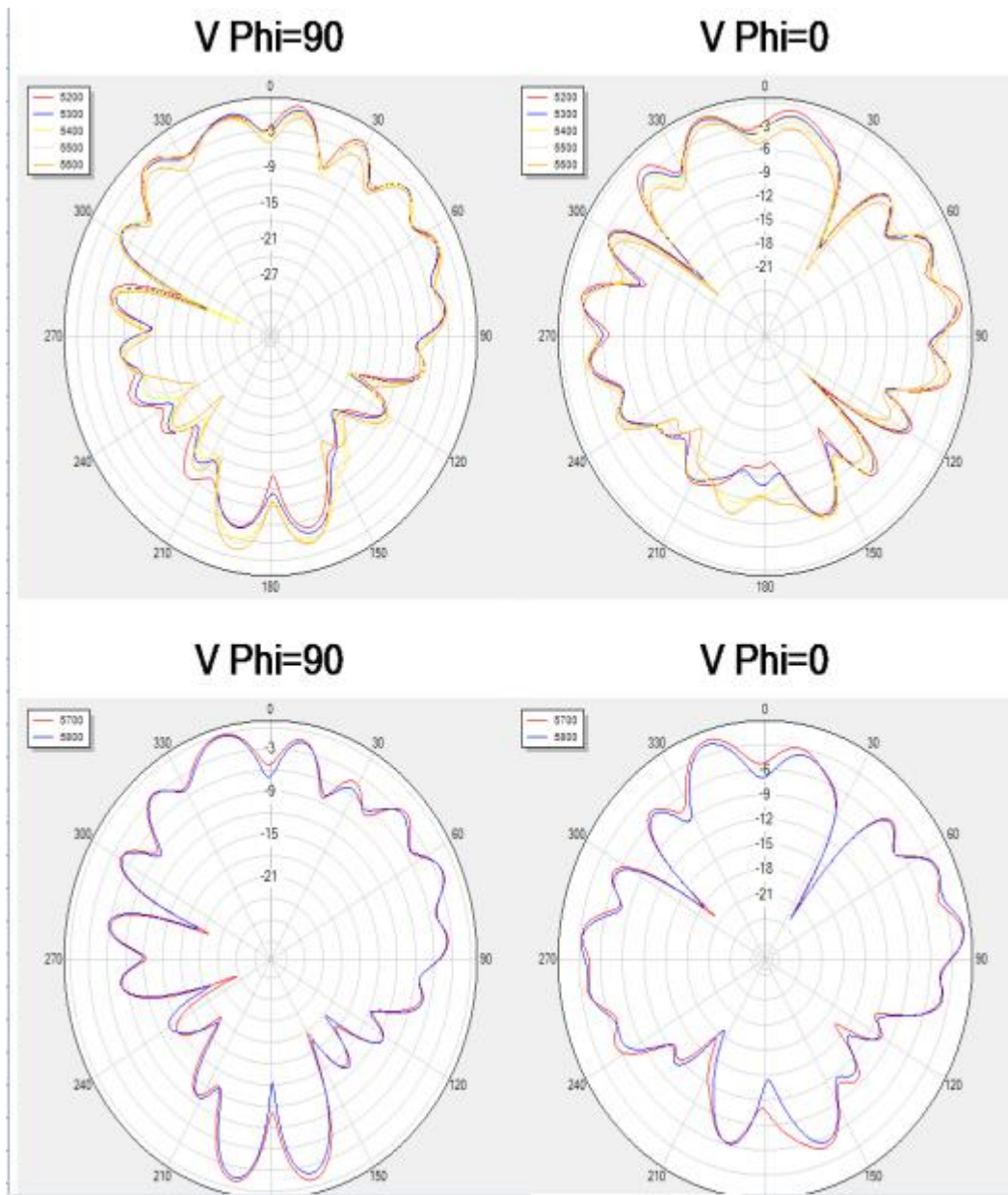














深圳市安威无线科技有限公司

行业领先的一站式通信射频天线解决方案制造商

The End

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携手共进 共创未来



5G wifi

2.4g wifi+BT
+GPS

分集 发射频段: GSM1800/1900 W1/2/4 BC1
LTE1/2/3/4/34/39

主集发射频段: GSM900 W8 FDD 7/8 TDD38/40/41
FDD B12/17/28A/B
GSM850 W5/6 FDD5/20 BC0