

# 深圳市安威无线科技有限公司

ANWEI communication Equipment Co.,Ltd

## 规格书

APPROVAL SHEET

客户 Customer	Youmi	规格型号 Specs	G1-MAX
安威料号 Part Number		频 段 Frequency Band	G4P+W1/2/4/5/6/8+FDD1/2/3/4/5/7/8/20/28A /B/+TDD34/38/39/40/41
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	2022/10/31	签字日期 Signing Date	

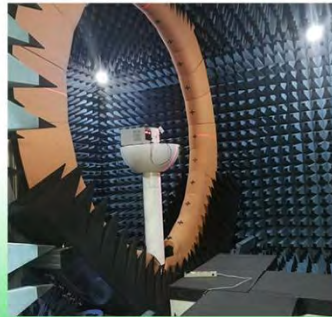
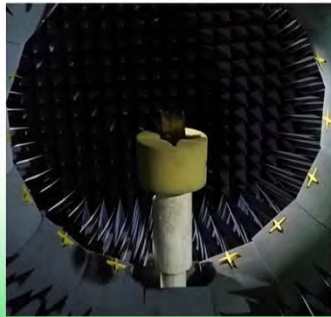
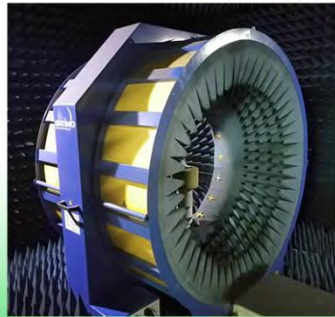
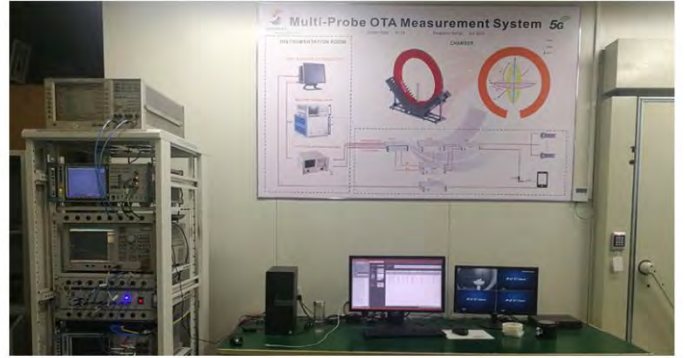
客户确认 Customer confirmation:

携手共进 共创未来

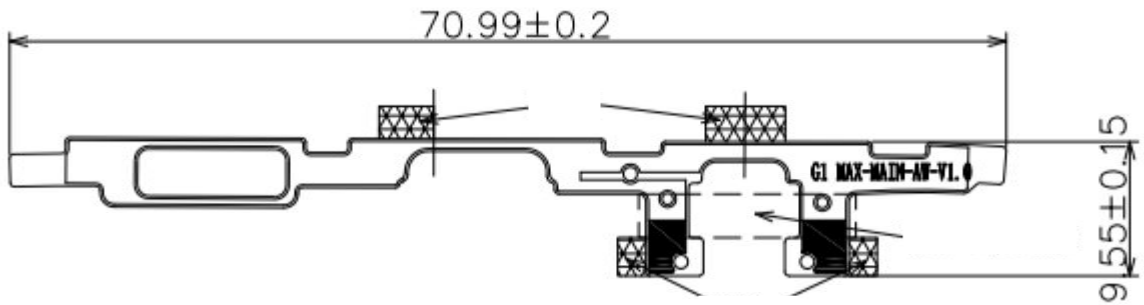
Join hands to create the future

● 项目开发环境

Project development environment



### 主集天线 Main ANT



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

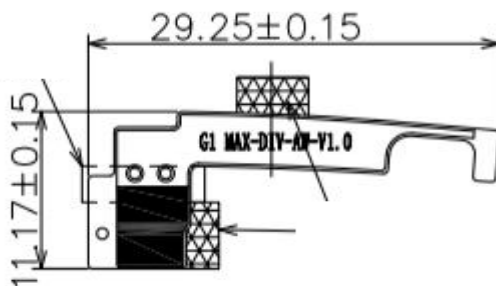
WCDMA1/2/4/5/6/8

FDD 1/2/3/4/5/7/8/20/28A/28B TDD34/38/39/40/41

天线匹配(Matcheing network):

The customer brought their own matching, which was not changed

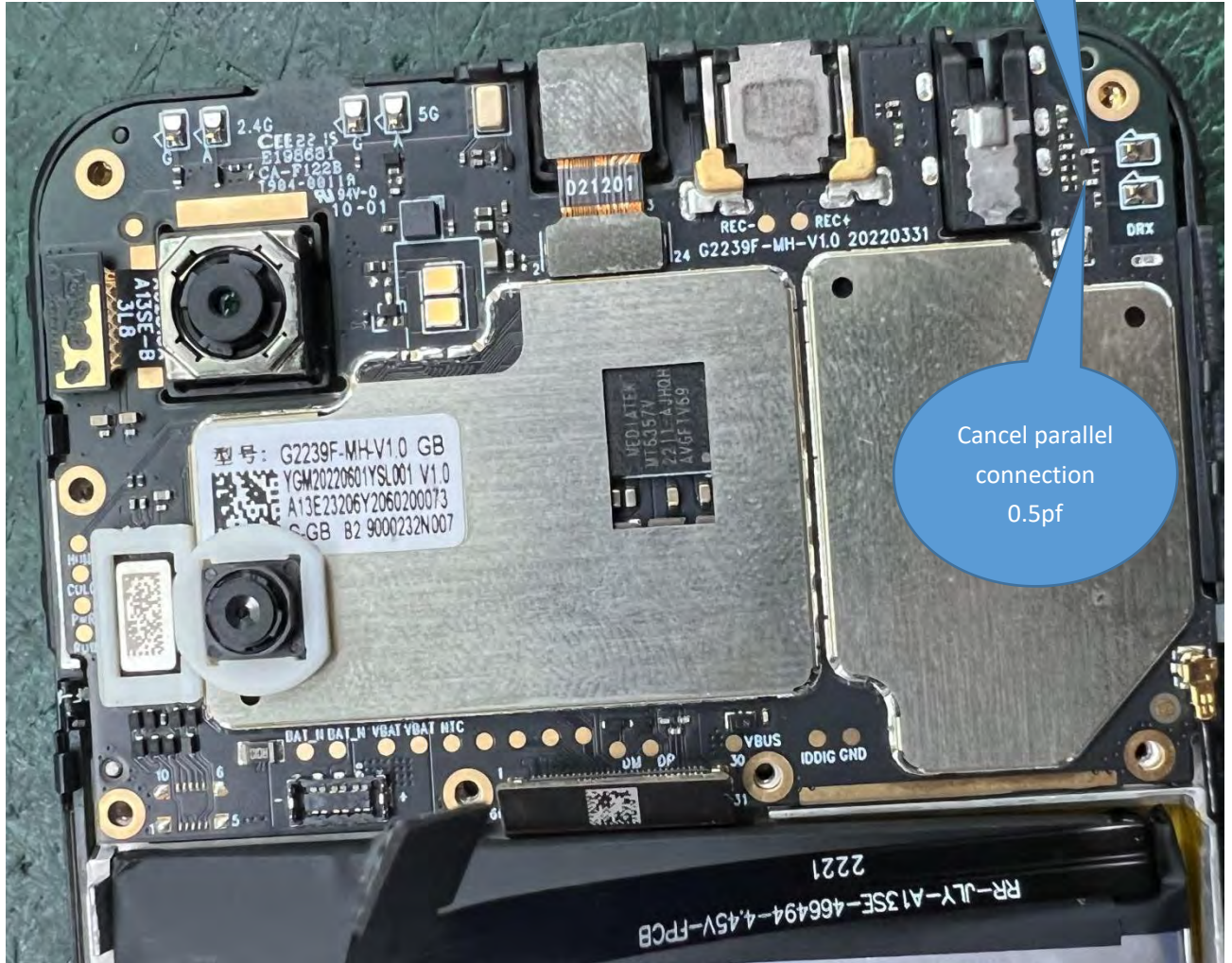
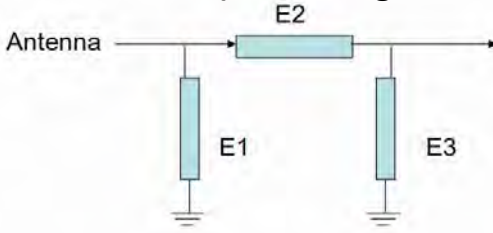
### 分集天线 DIV ANT



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

Note: DIV antenna only RX (Except for the band 2 launch)

### 分集天线匹配(Matcheing network)



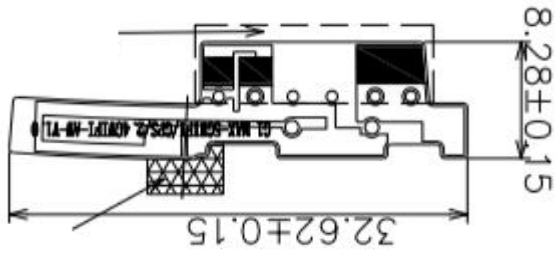


### 5GWIFI 天线 (5GWIFI antenna)

GPS 天线工作频段 (Working frequency band of GPS antenna) : 1559MHZ~1616MHZ

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 G1-MAX

	Channel	TRP (dBm)	TIS (dBm)		Channel	TRP (dBm)	TIS (dBm)		Channel	TRP (dBm)	TIS (dBm)
FDD B1	18050	19.17		FDD B17	23780	16.44		TDD 34	36250	15.98	
	18300	18.05			23790	16.87			36275	16.73	
	18550	17.12	-88.47		23800	16.75	-89.83		36300	15.74	-91.31
FDD B2	18650	20.14		FDD B20	24200	19.45		TDD 38	37850	19.09	
	18900	19.31			24300	19.17			38000	18.99	
	19150	19.48	-92.72		24400	19.14	-89.6		38150	18.05	-89.15
FDD B3	19250	19.37		FDD B28A	27260	16.44		TDD 39	38350	19.19	
	19575	19.36			27370	16.07			38450	18.2	
	19900	19.41	-92.73		27469	17.47	-90.21		38550	18.03	-91.18
FDD B4	20000	19.4		FDD B28B	27410	16.19		TDD 40	38750	15.86	
	20175	18.99			27510	17.95			39150	15.43	
	20350	19.31	-92.23		27600	19.67	-90.21		39550	15.15	-87.45
FDD B5	20450	18.4					TDD 41	40620	18.0	-90.2	
	20525	19.48									
	20600	19.12	-87.21								
FDD B7	20800	16.2									
	21100	17.91									
	21400	19.1	-88.16								
FDD B8	21500	19.61									
	21625	18.53									
	21750	16.97	-87.91								
FDD B12	23060	15.39									
	23095	15.74									
	23130	16.42	-89.91								

	Channel	TRP (dBm)	TIS (dBm)
GSM 850	128	25.93	
	190	26.31	
	251	26.92	100.58
GSM 900	1	26.52	
	62	27.17	
	124	27.79	-101.1
DCS 1800	512	26.67	
	698	26.31	
	885	26.77	105.45
PCS 1900	512	27.45	
	661	26.29	
	810	25.17	102.92

	Channel	TRP (dBm)	TIS (dBm)

	Channel	TRP (dBm)	TIS (dBm)
W 1	9612	19.04	
	9750	17.55	
	9888	16.31	-100.74
W 2	9262	19.83	
	9400	19.82	
	9538	19.7	-101.19
W 4	1312	18.93	
	1413	19.01	
	1513	18.73	-104
W 5	4132	17.69	
	4183	18.71	
	4233	19.28	-100.51
W 8	2712	18.98	
	2787	18.1	
	2863	15.61	-100.8

### WIFI test effect

BAND	2.4GWIFI			5.8WIFI		
	low	medium	high	low	medium	high
TRP (dBm)	10.4	10.5	11.3	11.4	10.2	10.3
TIS (dBm)	-81.6	-82.2	-82.5	-70.8	-71.5	-72.2

## GPS 测试(GPS Test)



## 天线增益(Antenna gain)

Standard	Band	Frequency	Gain(dbi)
TDD_LTE	TDD_B34	2020	1.37
TDD_LTE	TDD_B38	2580	1.89
TDD_LTE	TDD_B39	1900	1.00
TDD_LTE	TDD_B40	2310	1.56
TDD_LTE	TDD_B41	2593	1.89
FDD_LTE	FDD_B1	1925	0.99
FDD_LTE	FDD_B2	1855	0.87
FDD_LTE	FDD_B3	1715	0.56
FDD_LTE	FDD_B4	1715	0.56
FDD_LTE	FDD_B5	829	-1.13
FDD_LTE	FDD_B7	2505	1.89
FDD_LTE	FDD_B8	885	-0.88
FDD_LTE	FDD_B12	704	-1.75
FDD_LTE	FDD_B20	837	-1.23
FDD_LTE	FDD_B28	708	-1.89
FDD_LTE	FDD_B28	723	-1.68
WCDMA	WCDMA_B1	1922.4	0.99
WCDMA	WCDMA_B2	1852.4	0.87
WCDMA	WCDMA_B4	1715	0.56
WCDMA	WCDMA_B5	826.4	-1.13
WCDMA	WCDMA_B6	832.4	-1.14
WCDMA	WCDMA_B8	882.4	-0.88
GSM	GSM850	824.2	-1.13
GSM	GSM900	890.2	-0.89
GSM	PCS1900	1850.2	0.87
GSM	DCS1800	1710.2	0.56
2.4GWIFI		2412	1.8
5GWIFI		5825	1.1
GPS		1575	1.1
BT		2400	1.8



## 环境处理方式 (Environmental treatment)



## Antenna location map



Main antenna location



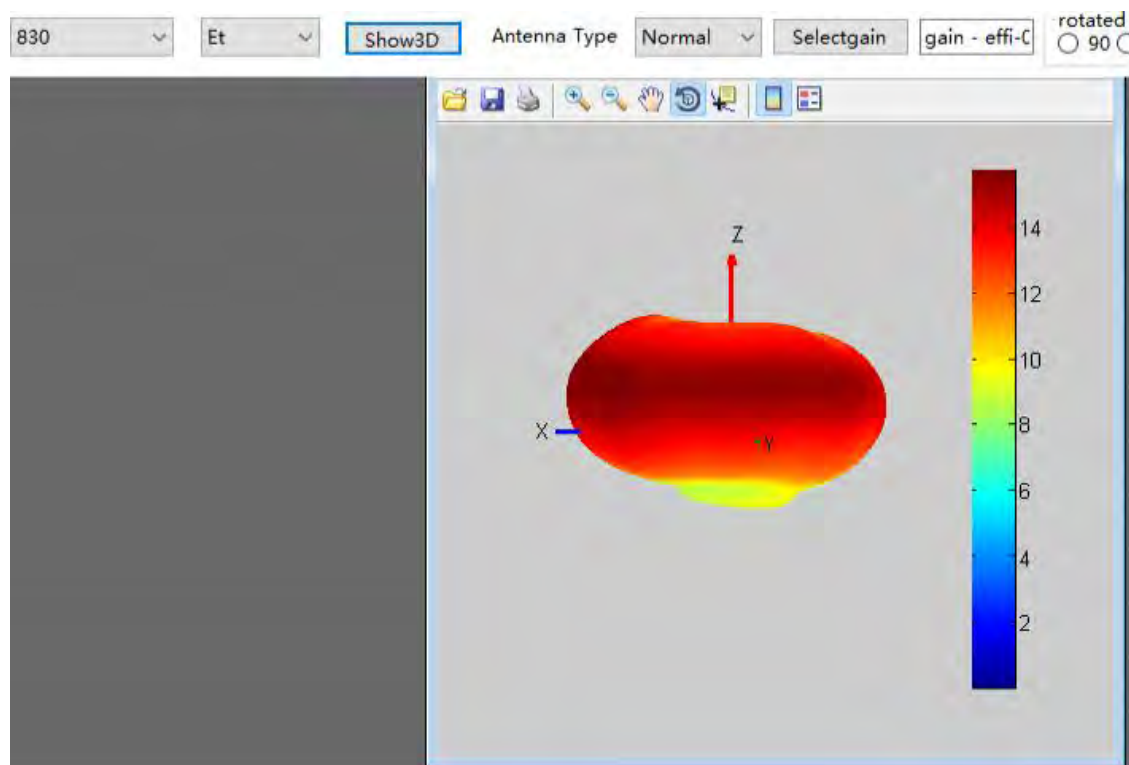
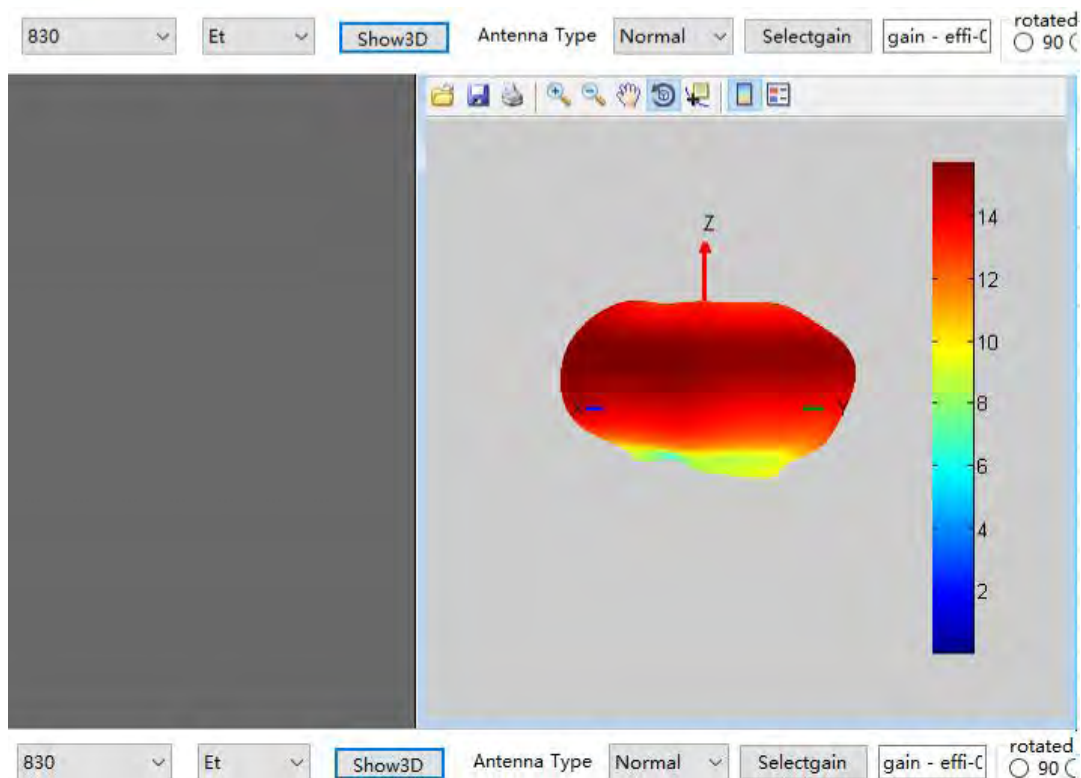
Diversity antenna location

5G WiFi antenna location

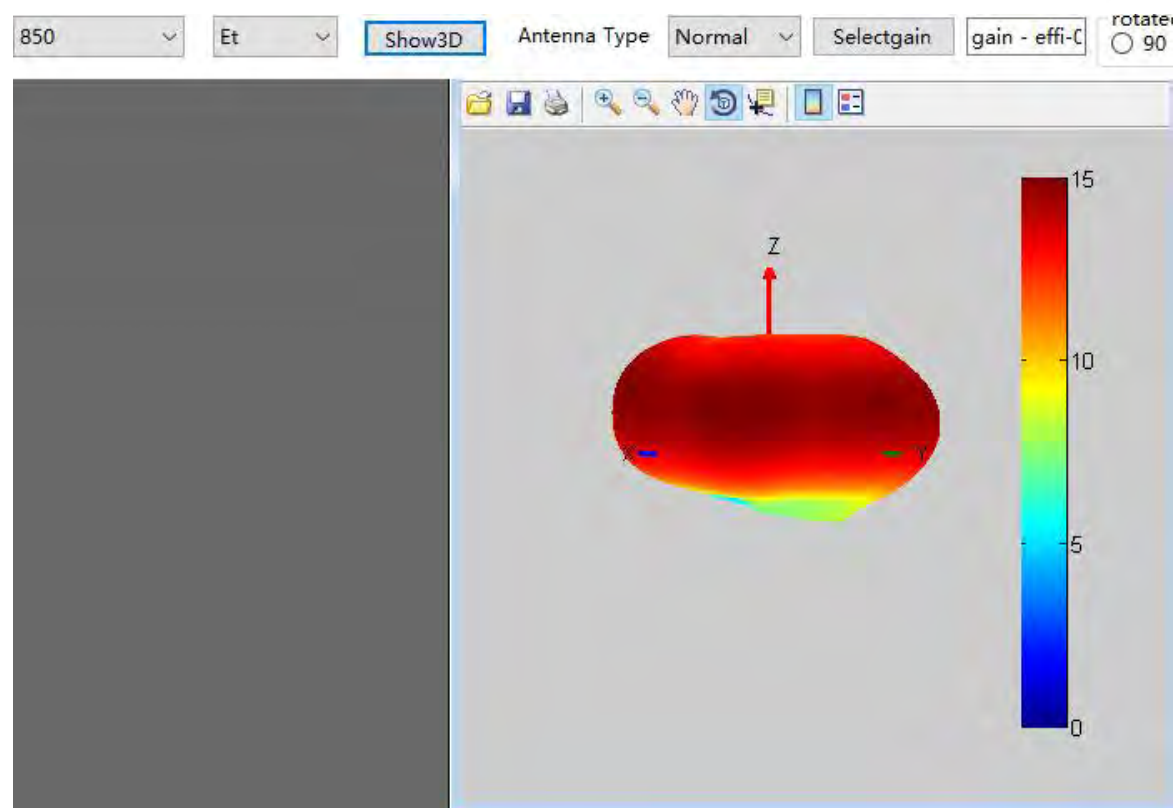
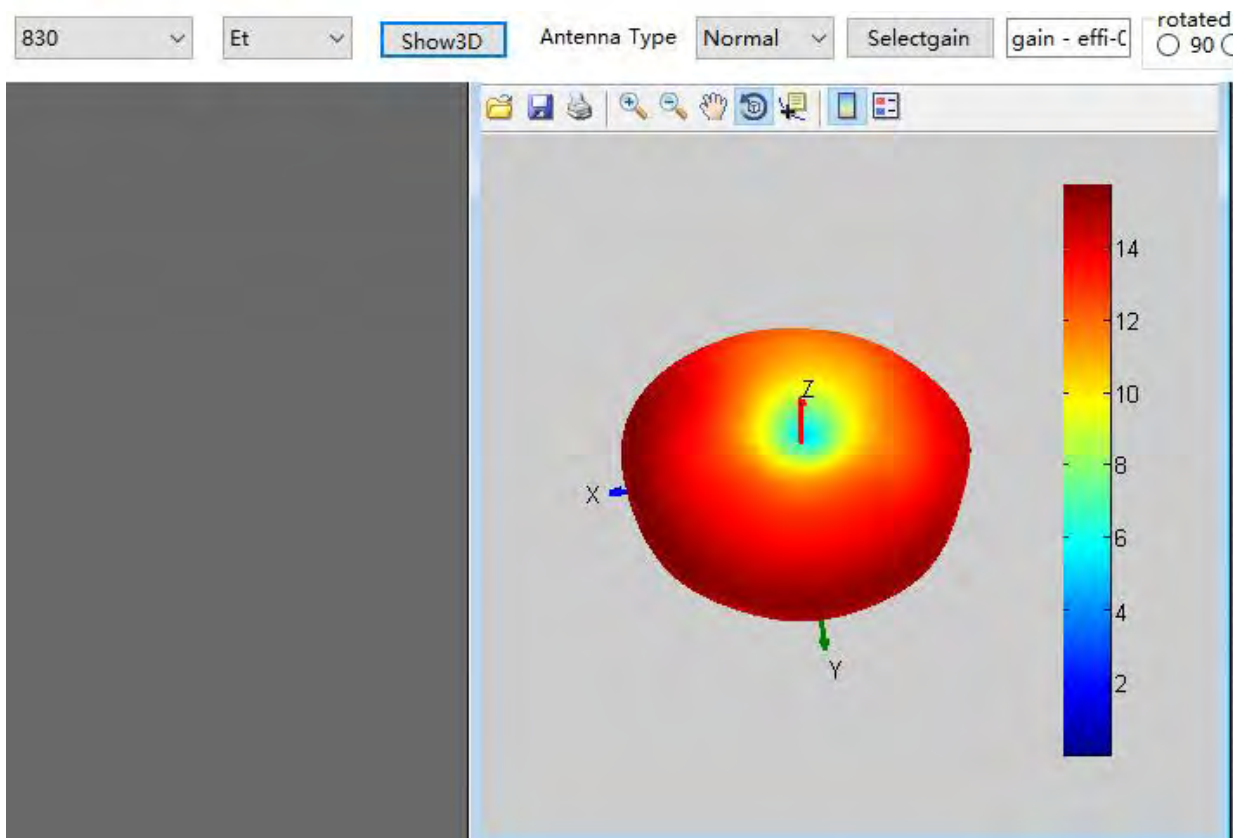
GPS/2.4G WiFi/BT antenna location



# GSM850 WB5 LTE B5

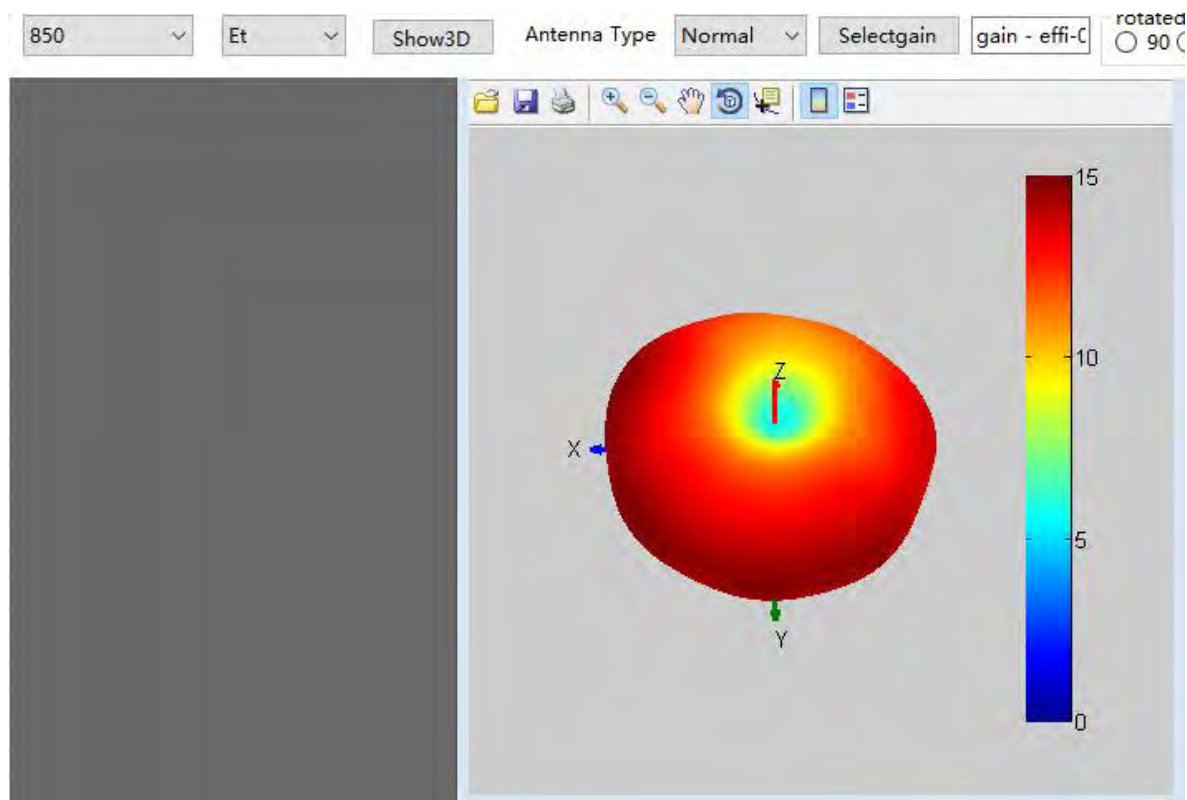
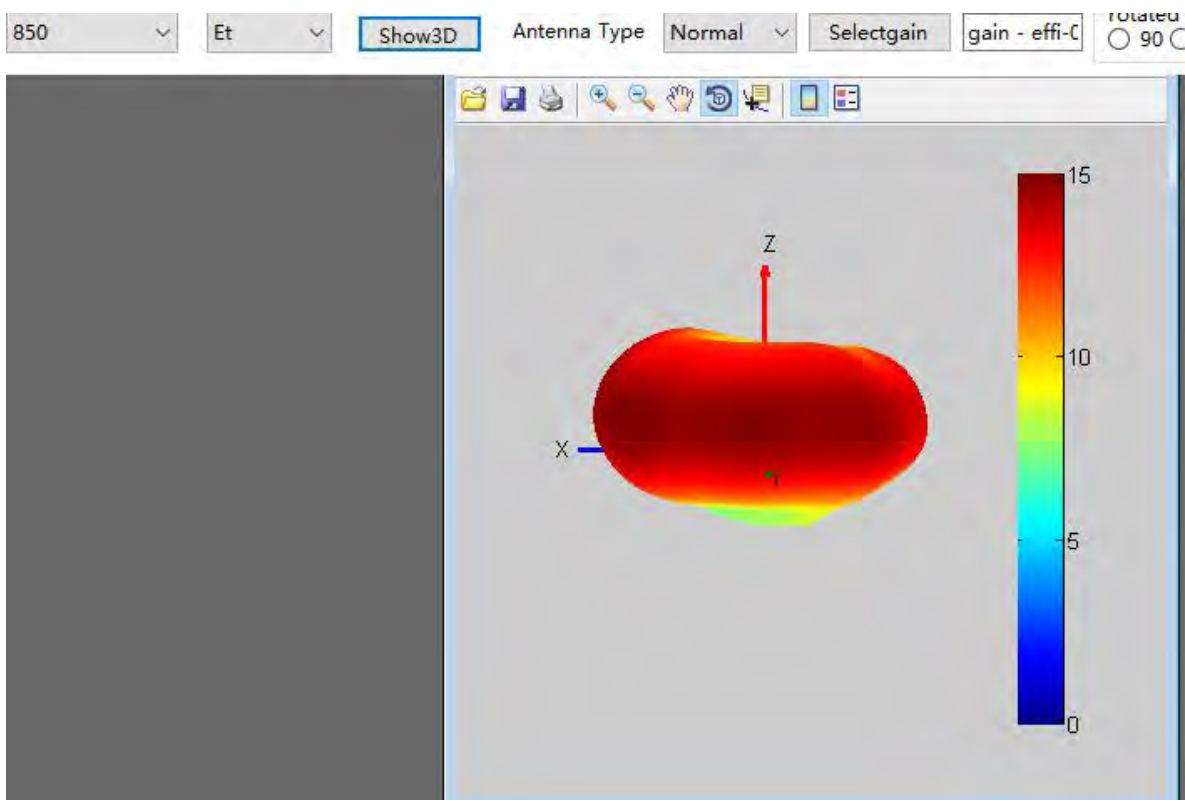


# GSM850 WB5 LTE B5



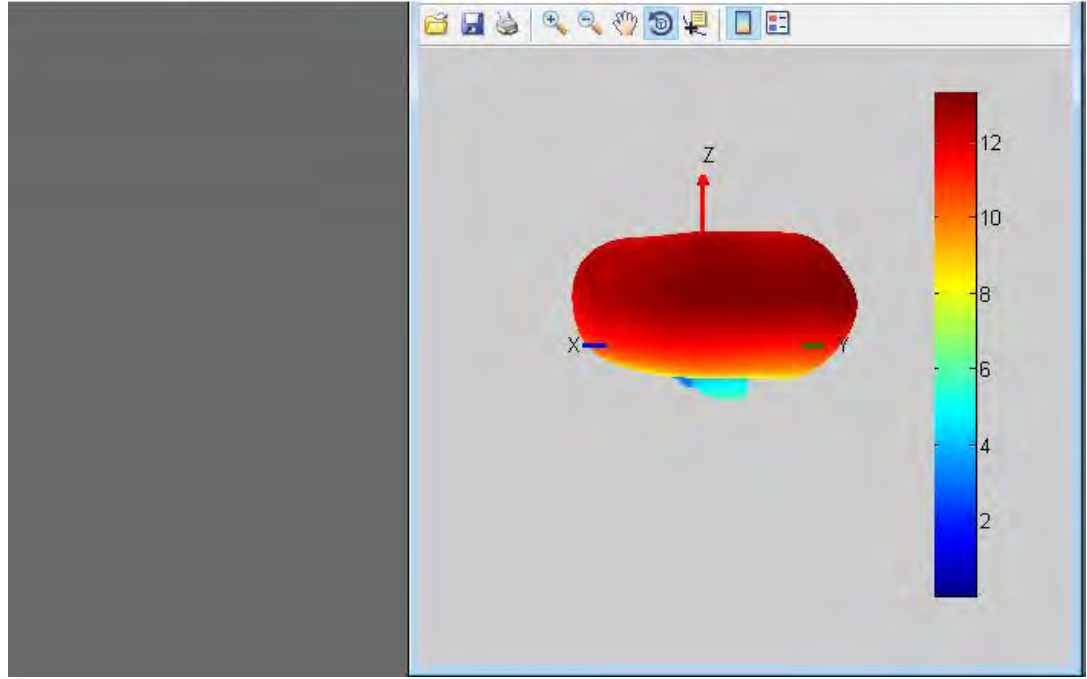


# GSM850 WB5 LTE B5

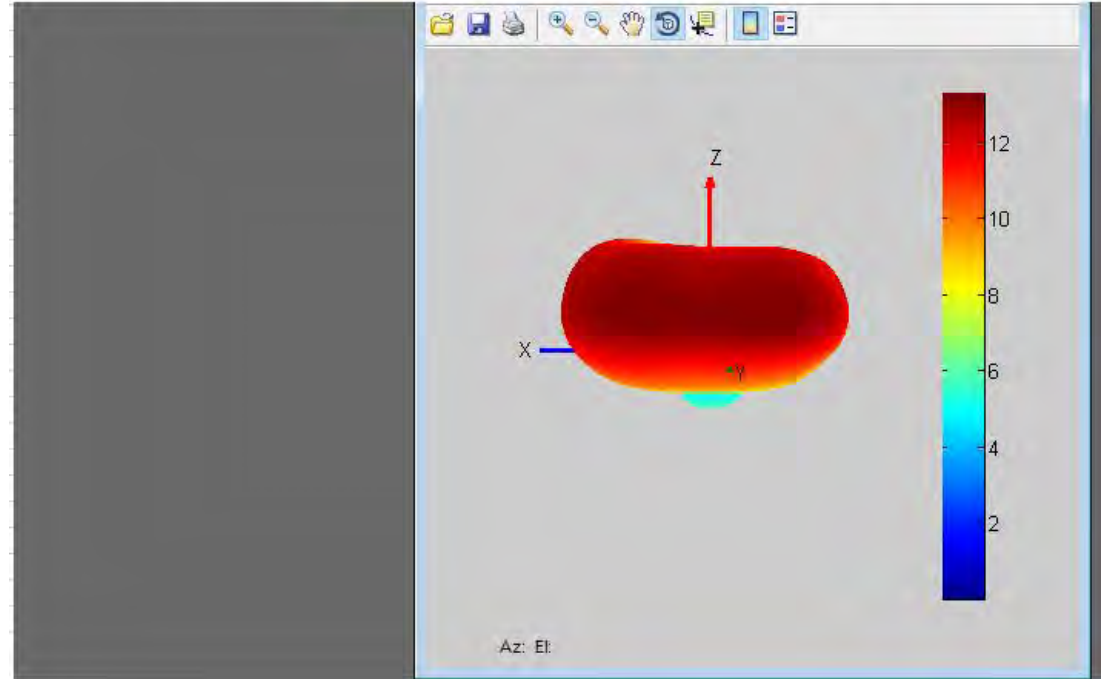


# GSM850 WB5 LTE B5

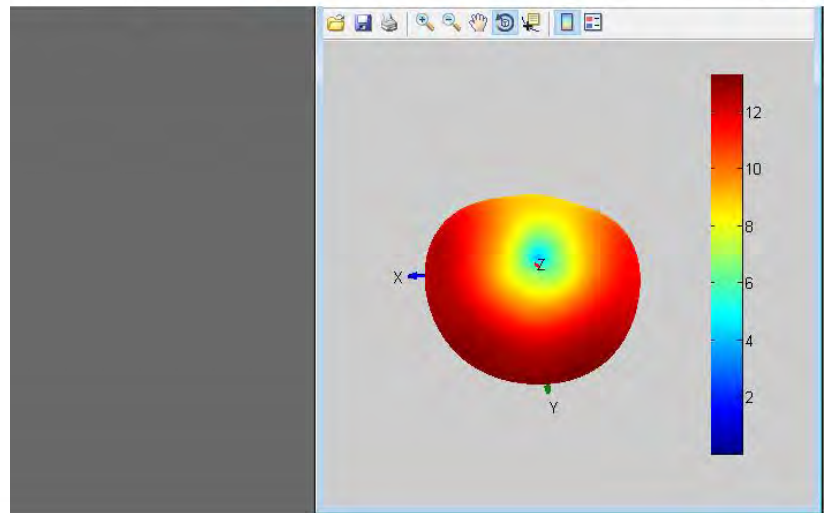
890 ▾ Et ▾ Show3D Antenna Type Normal ▾ Selectgain gain - effi-C rotated  90



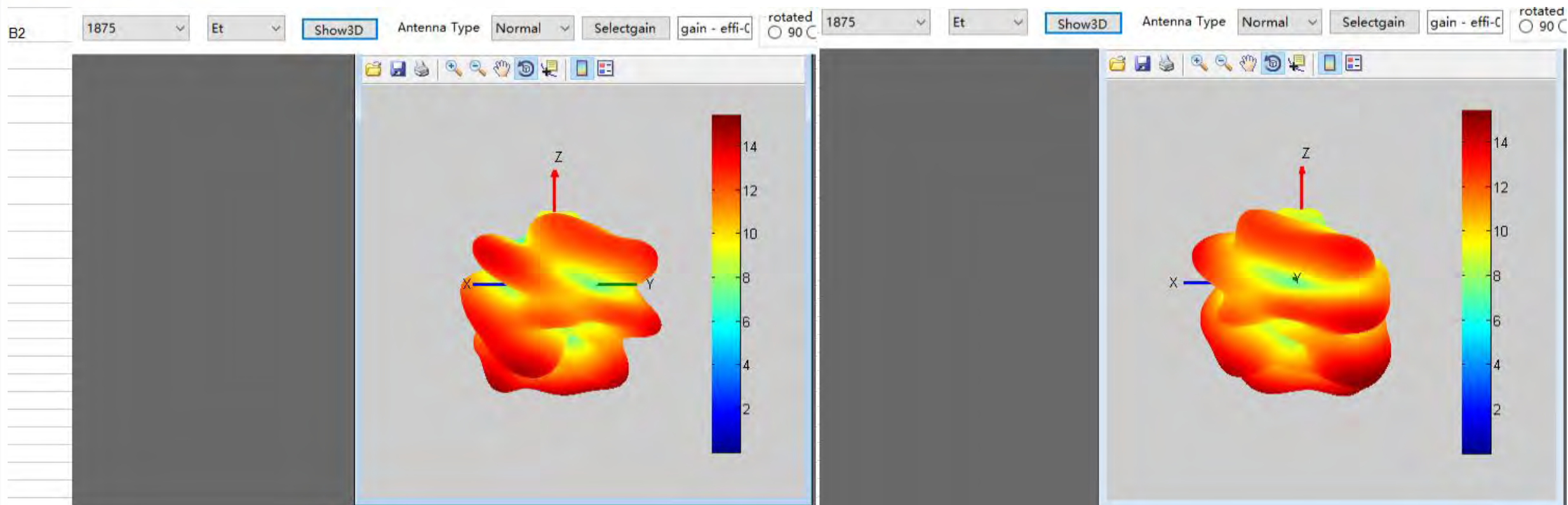
890 ▾ Et ▾ Show3D Antenna Type Normal ▾ Selectgain gain - effi-C rotated  90



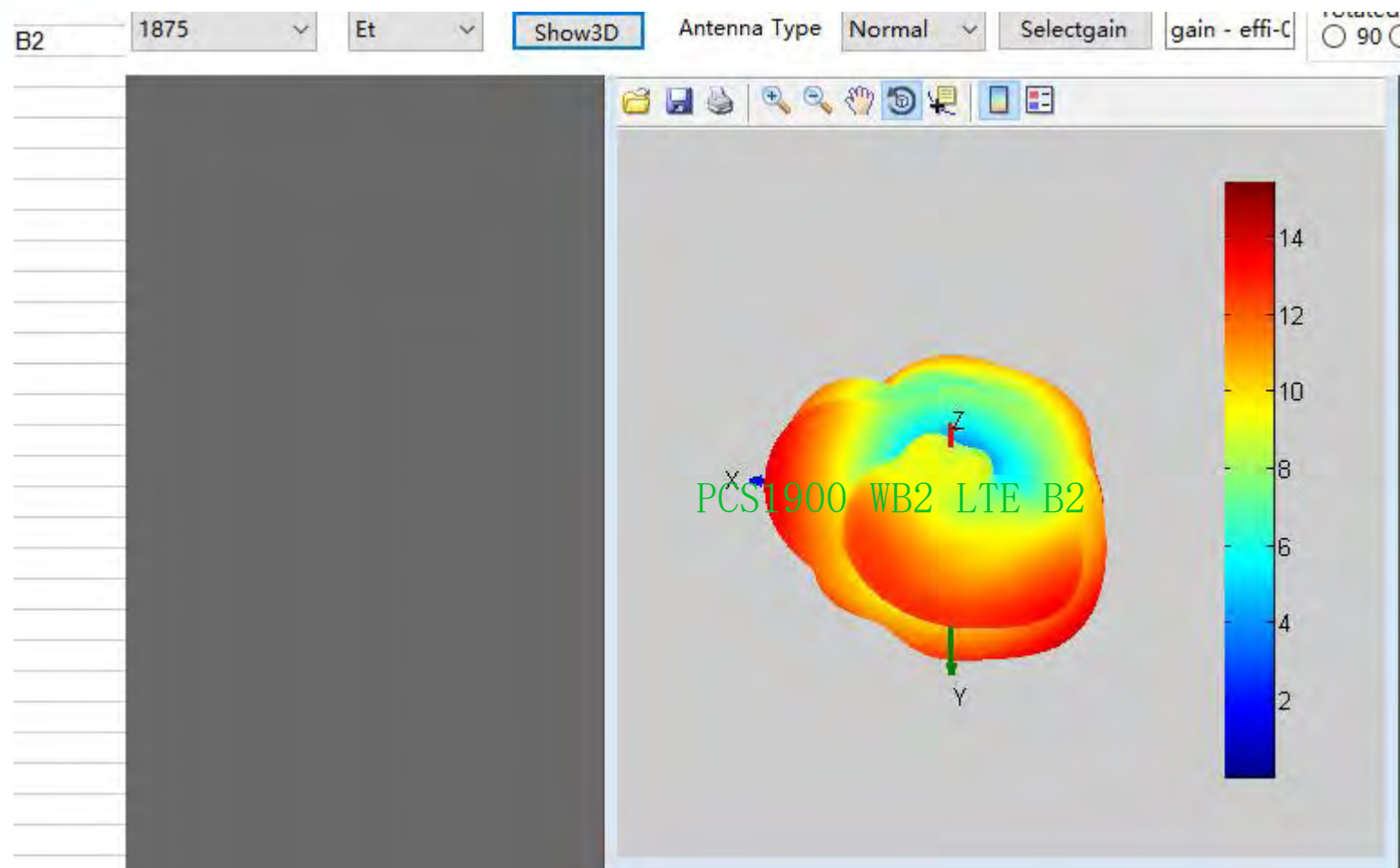
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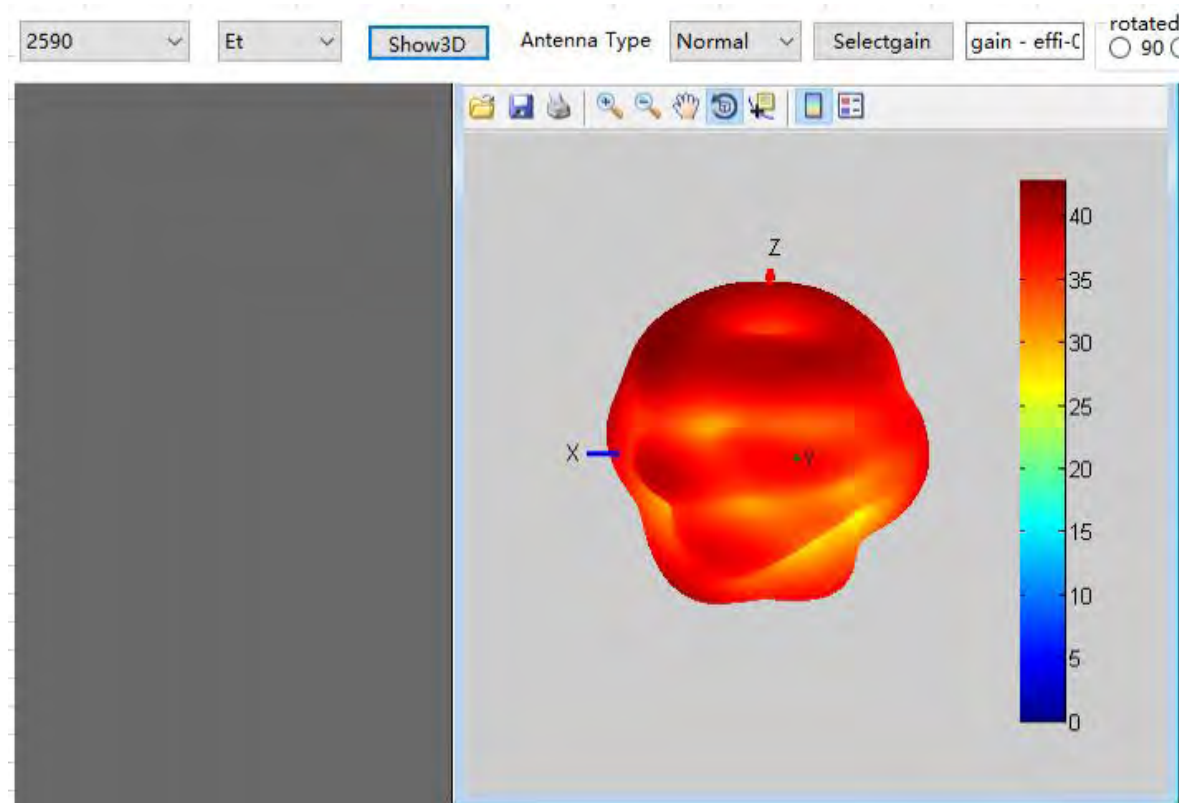
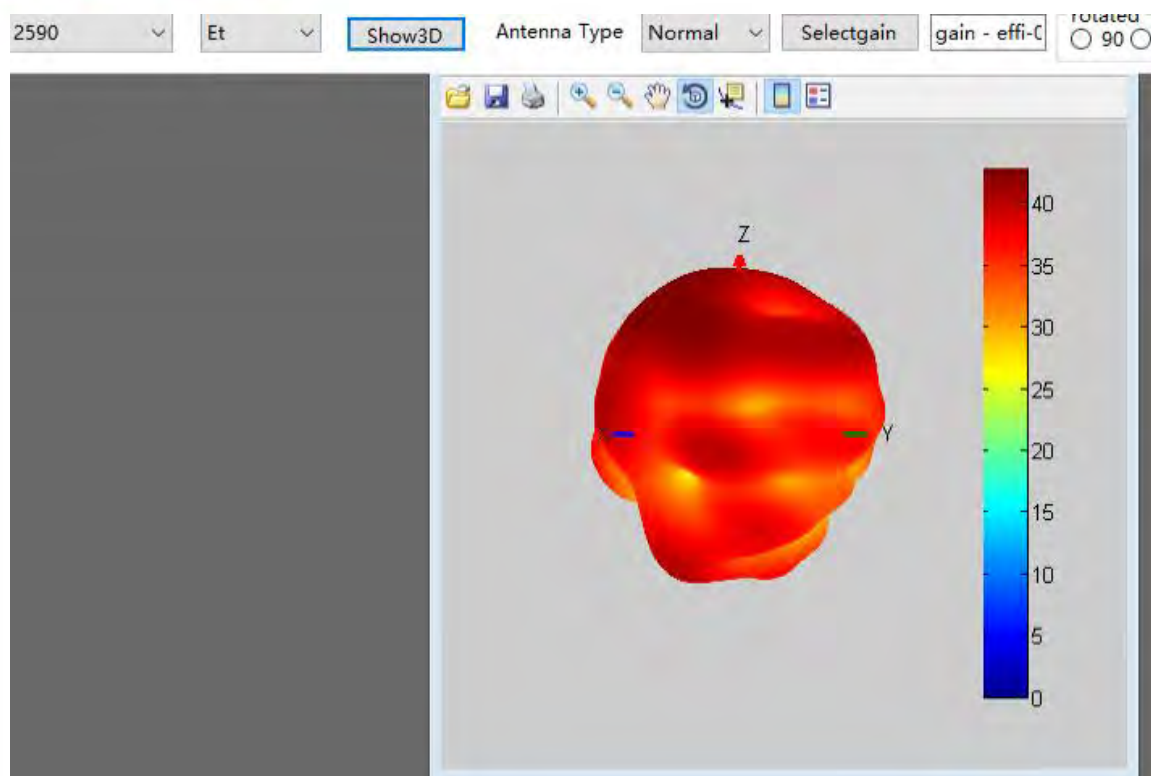


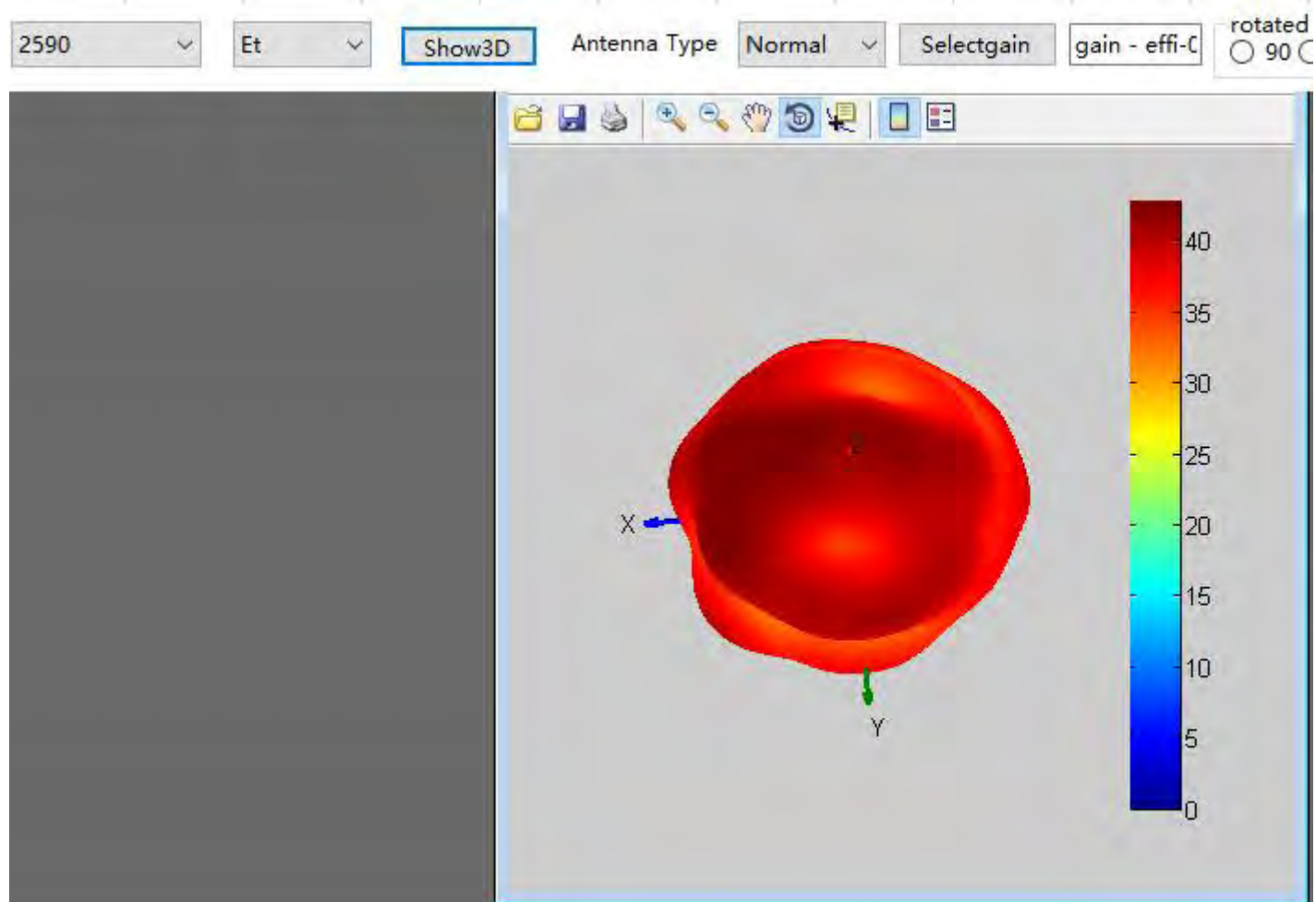
PCS1900 WB2 LTE B2



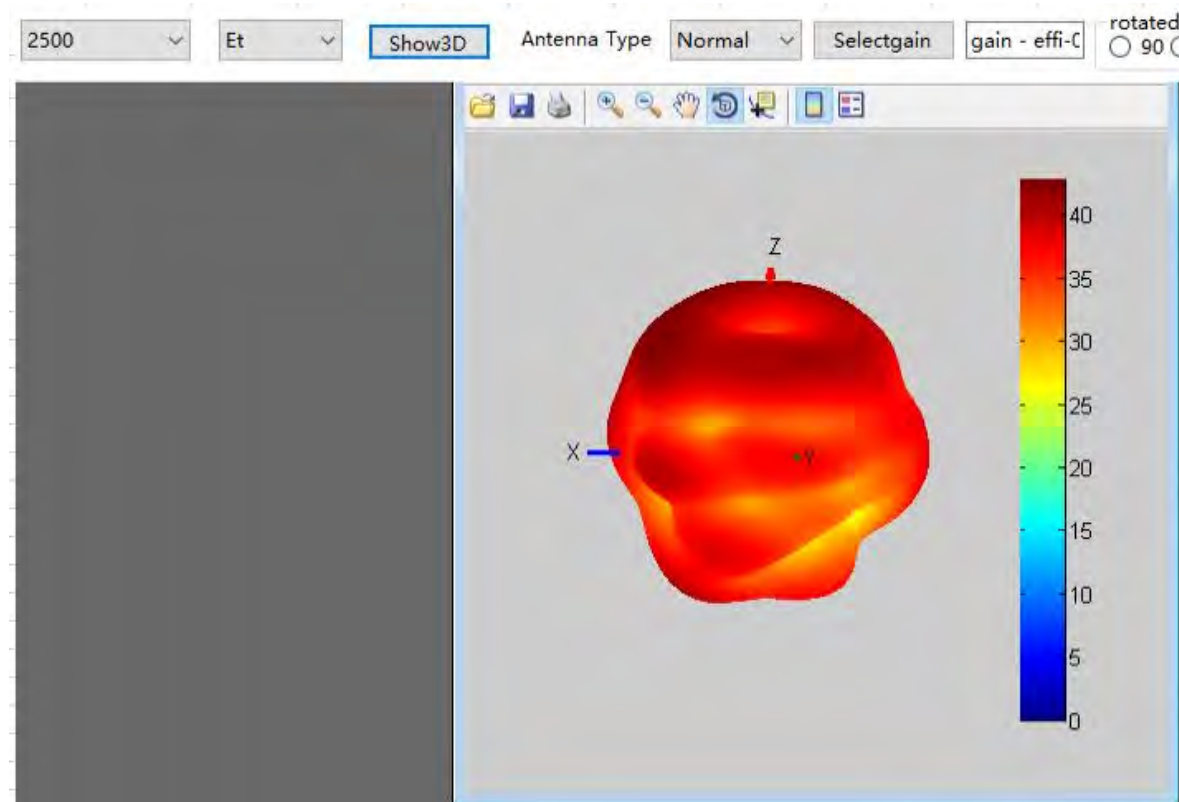
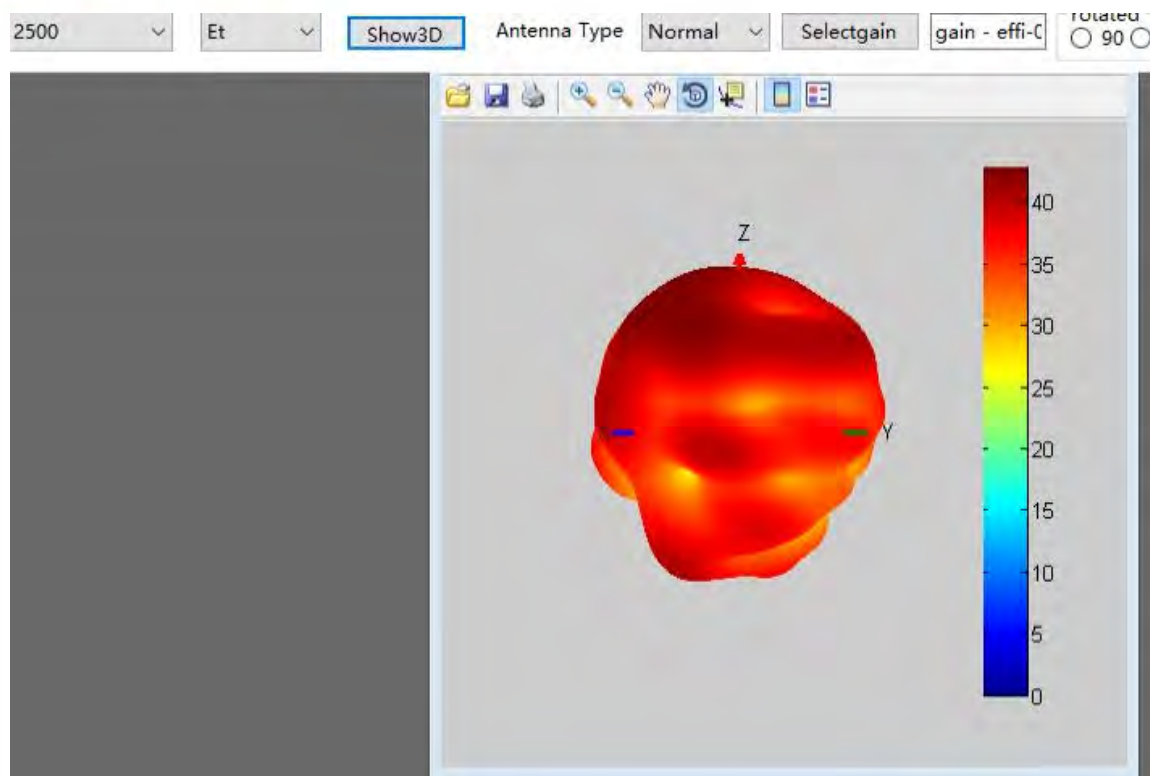


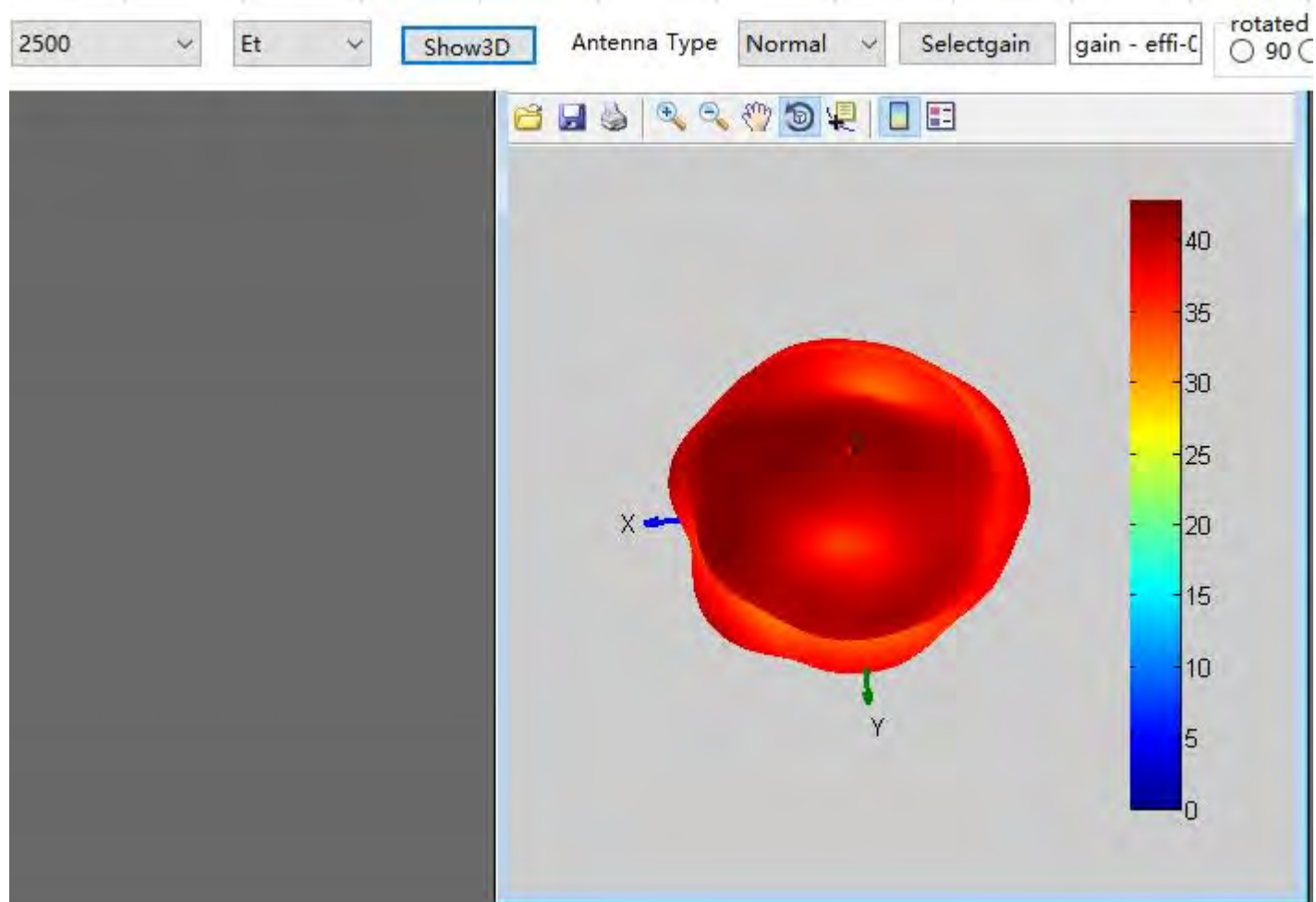
# LTE B41





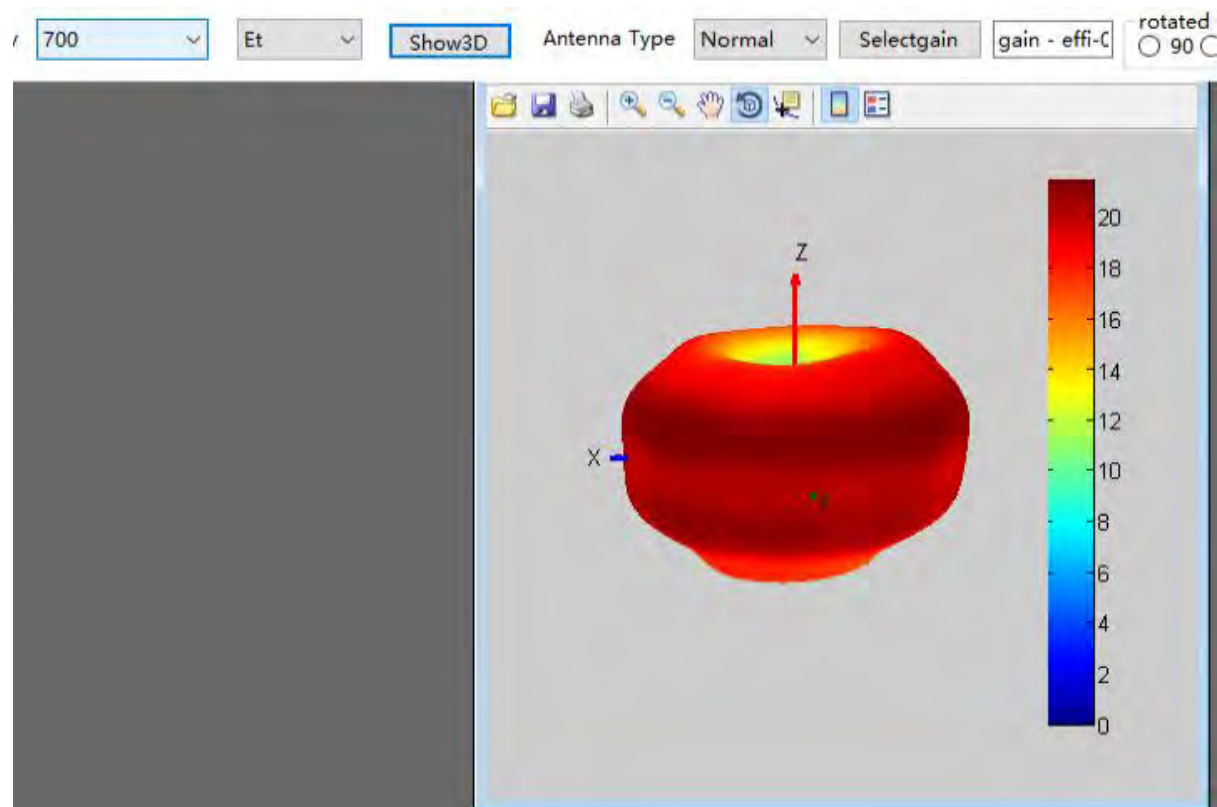
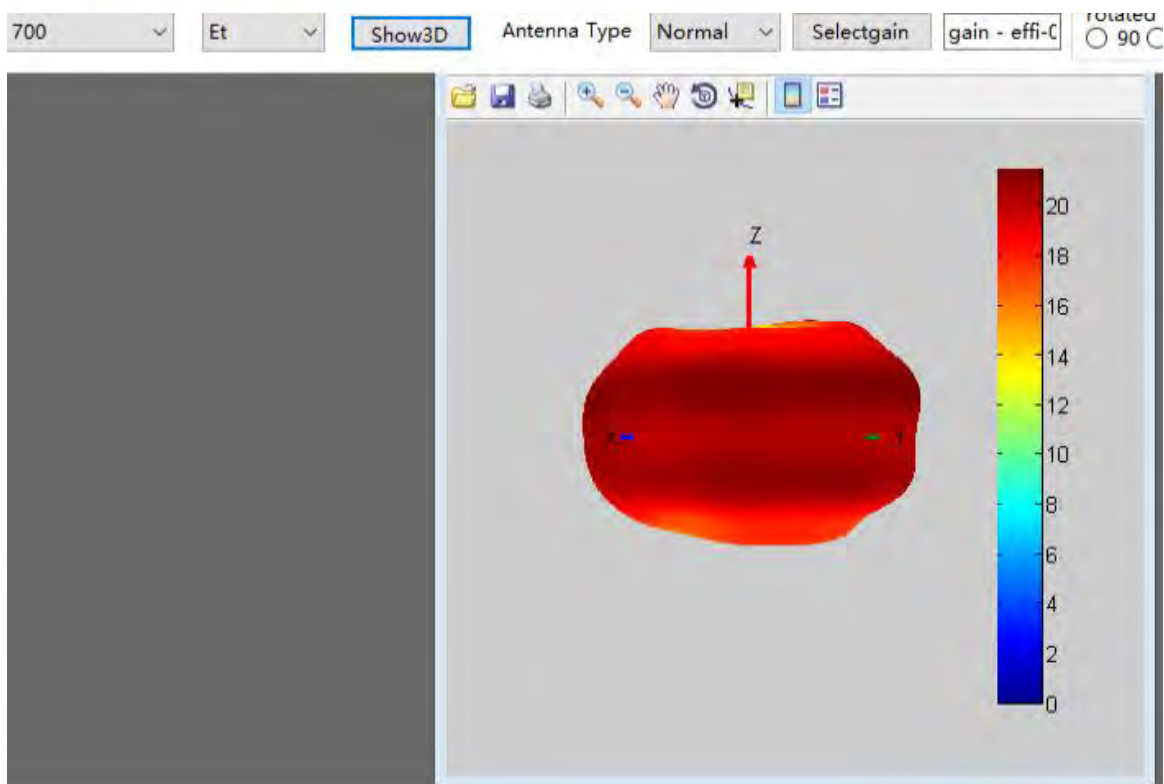
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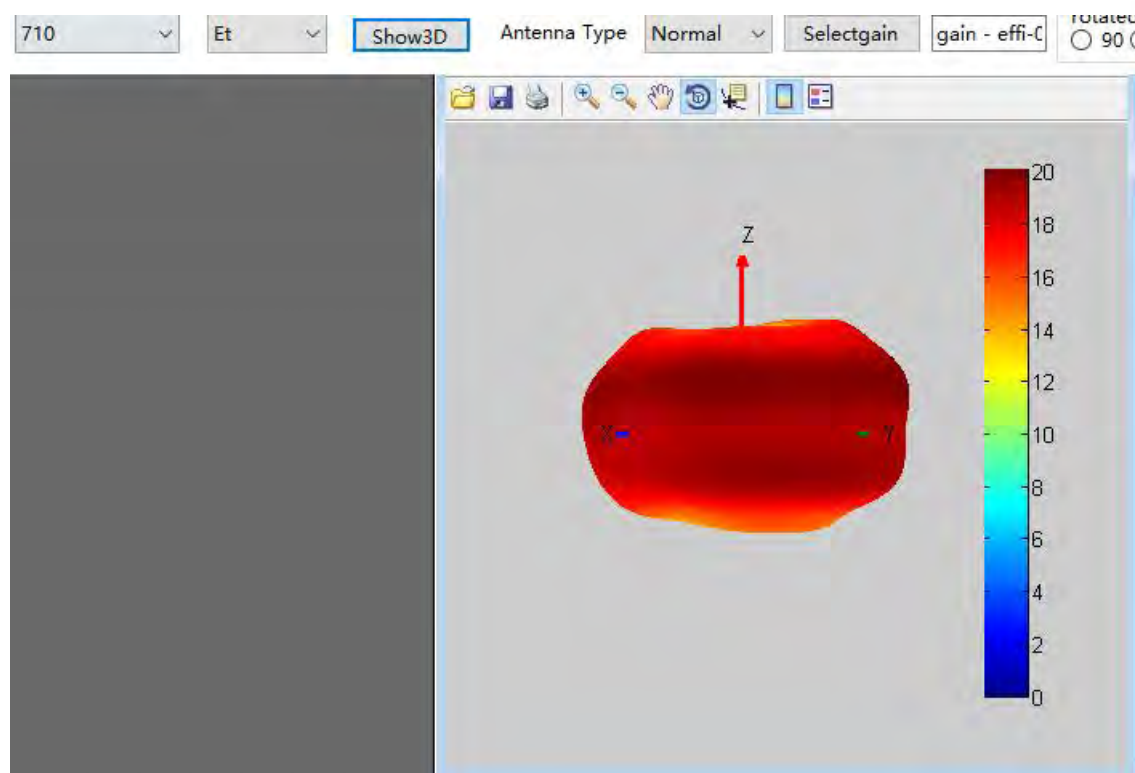
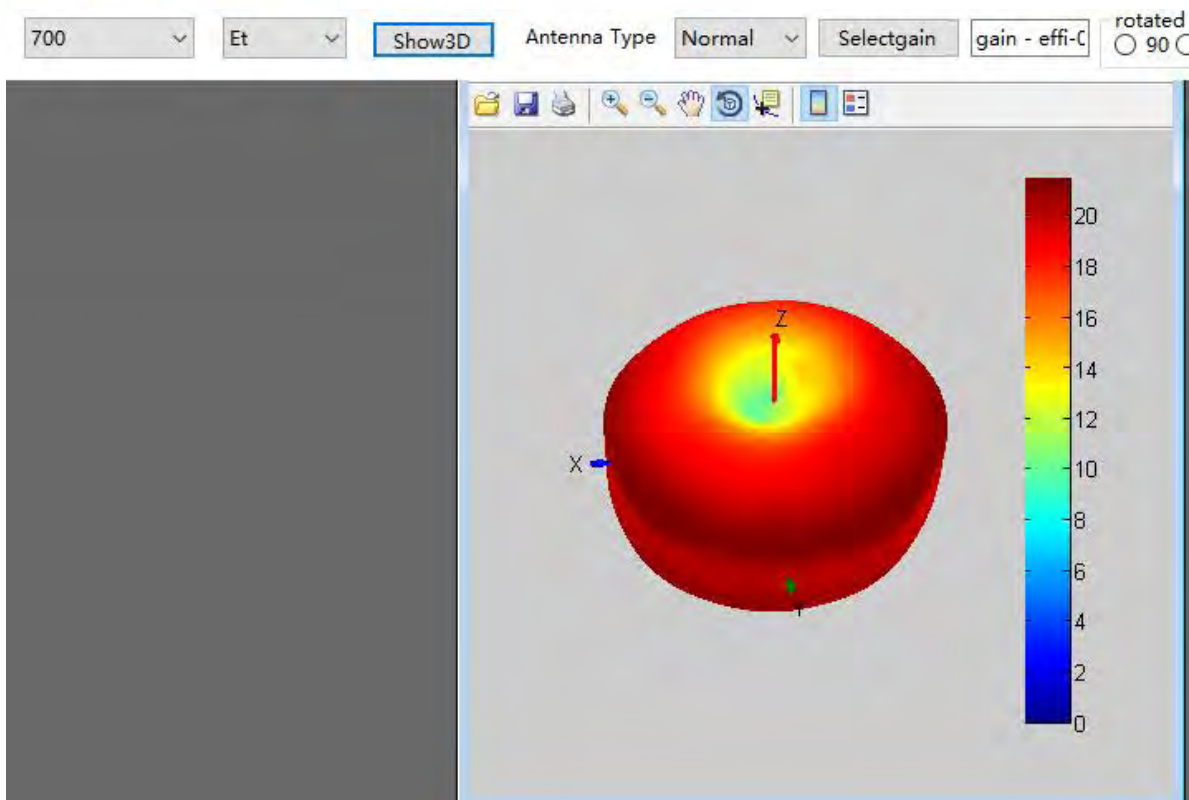




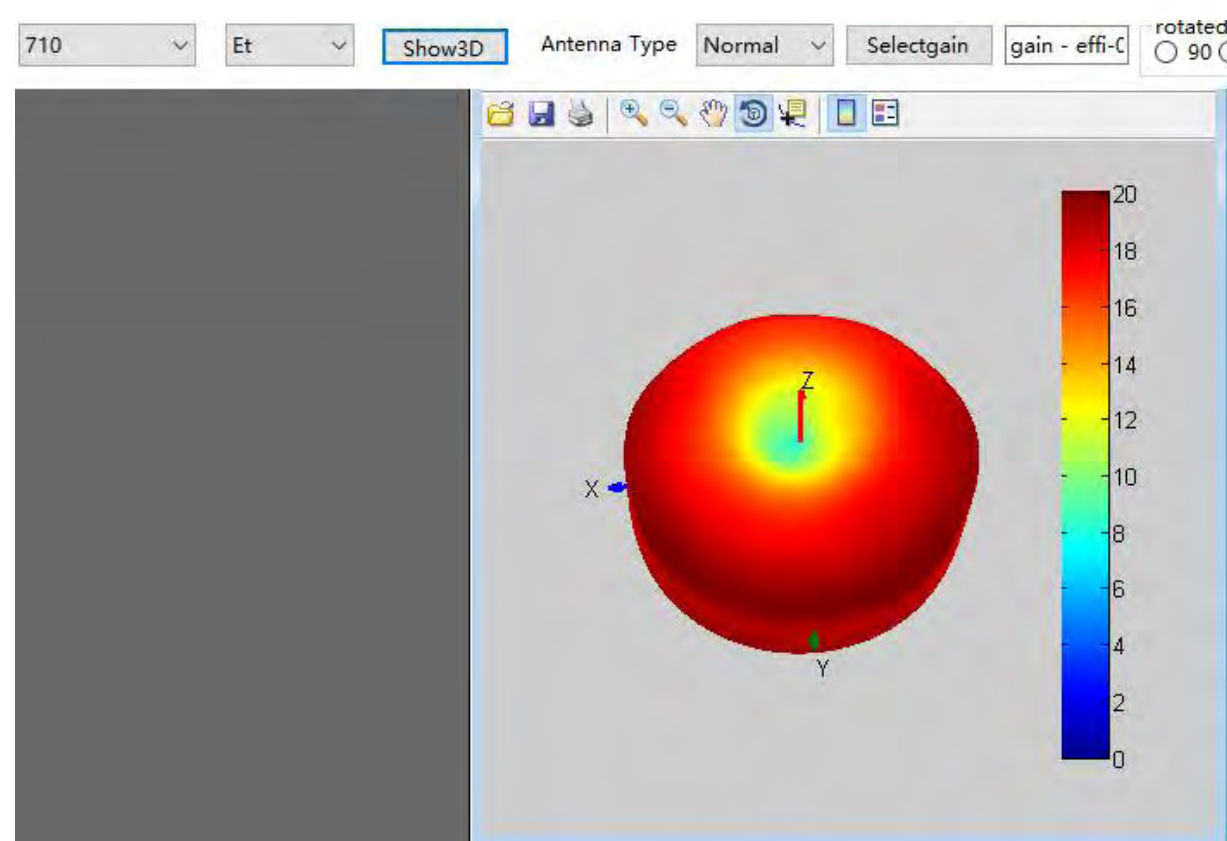
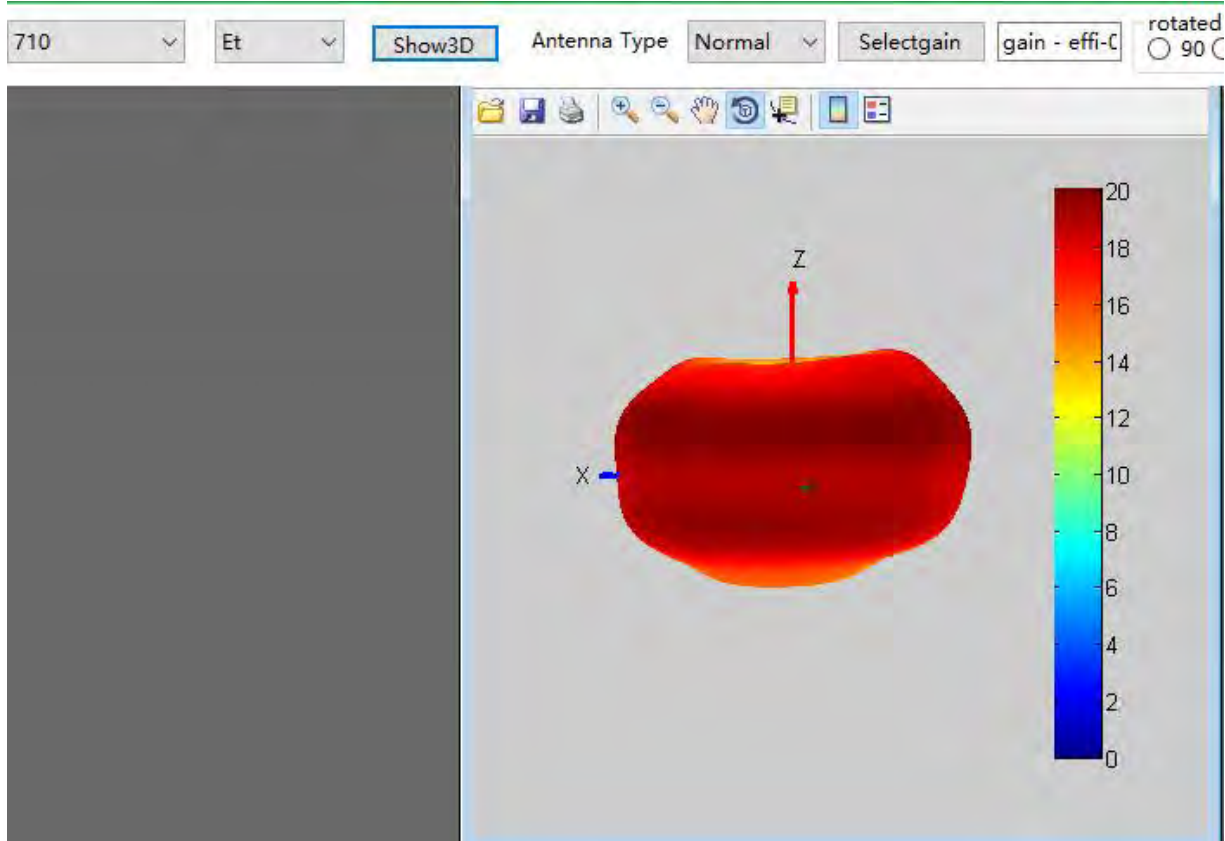
# LTE B12



# LTE B12

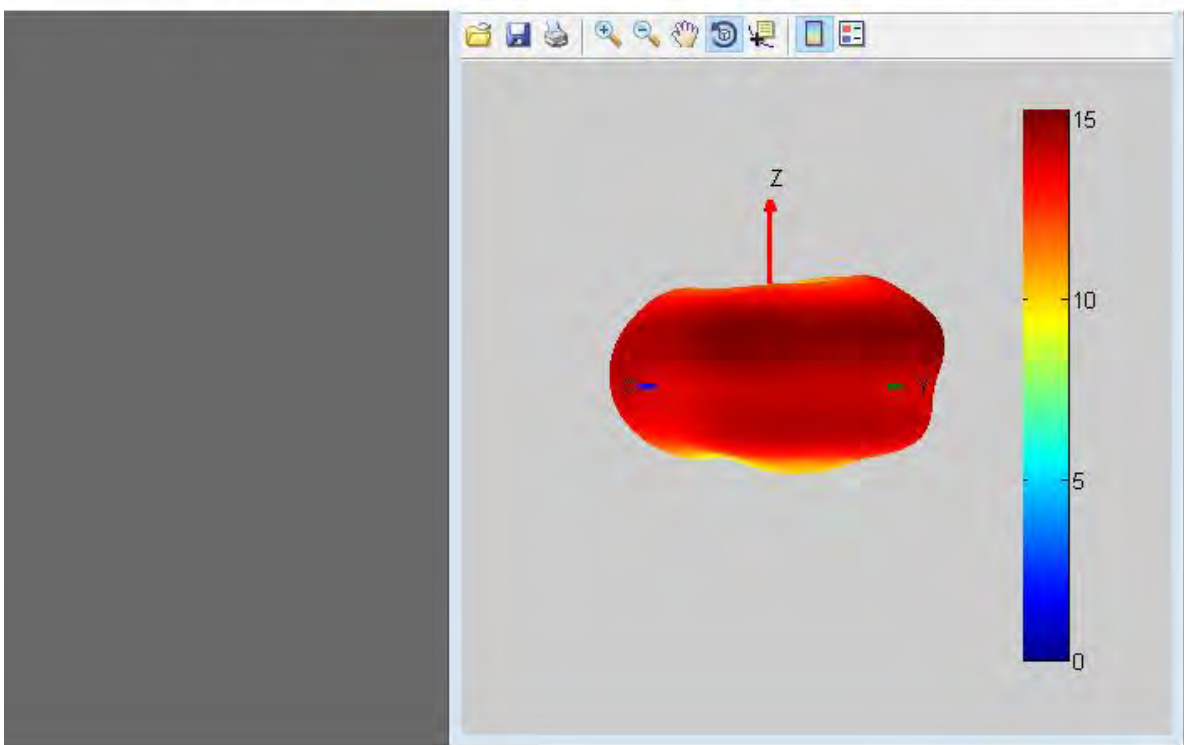


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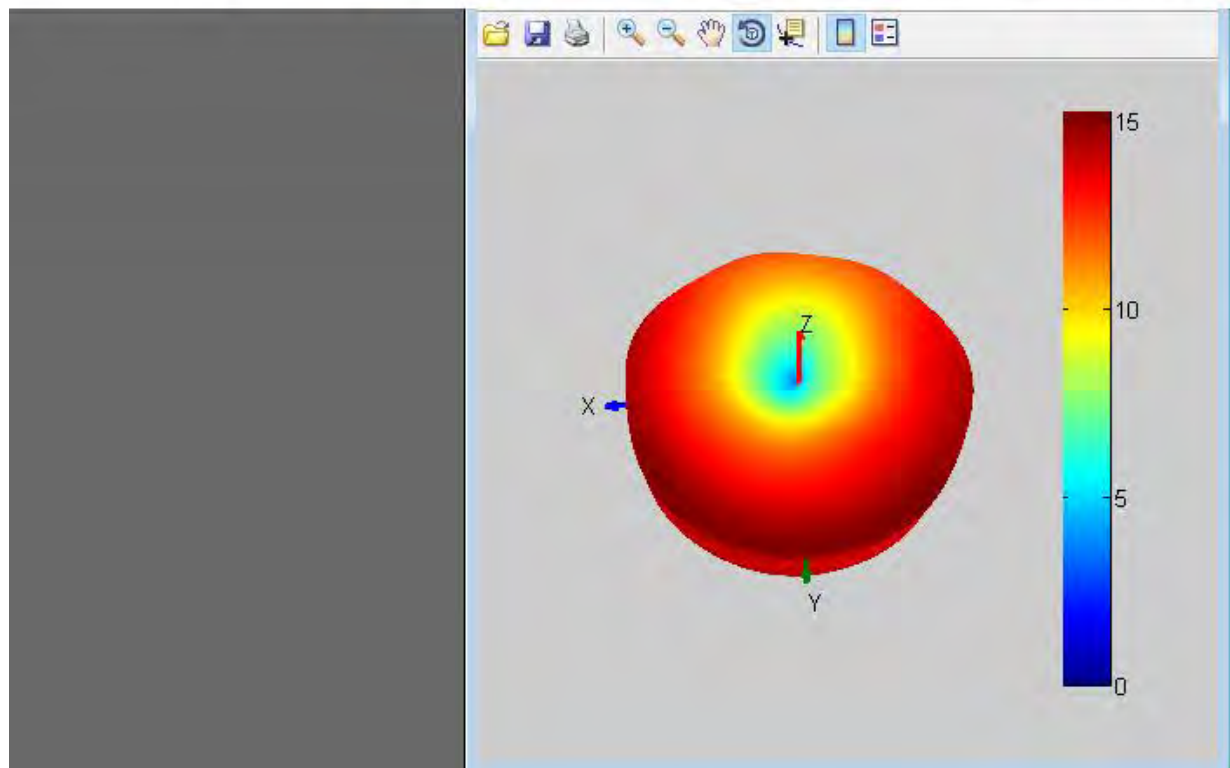


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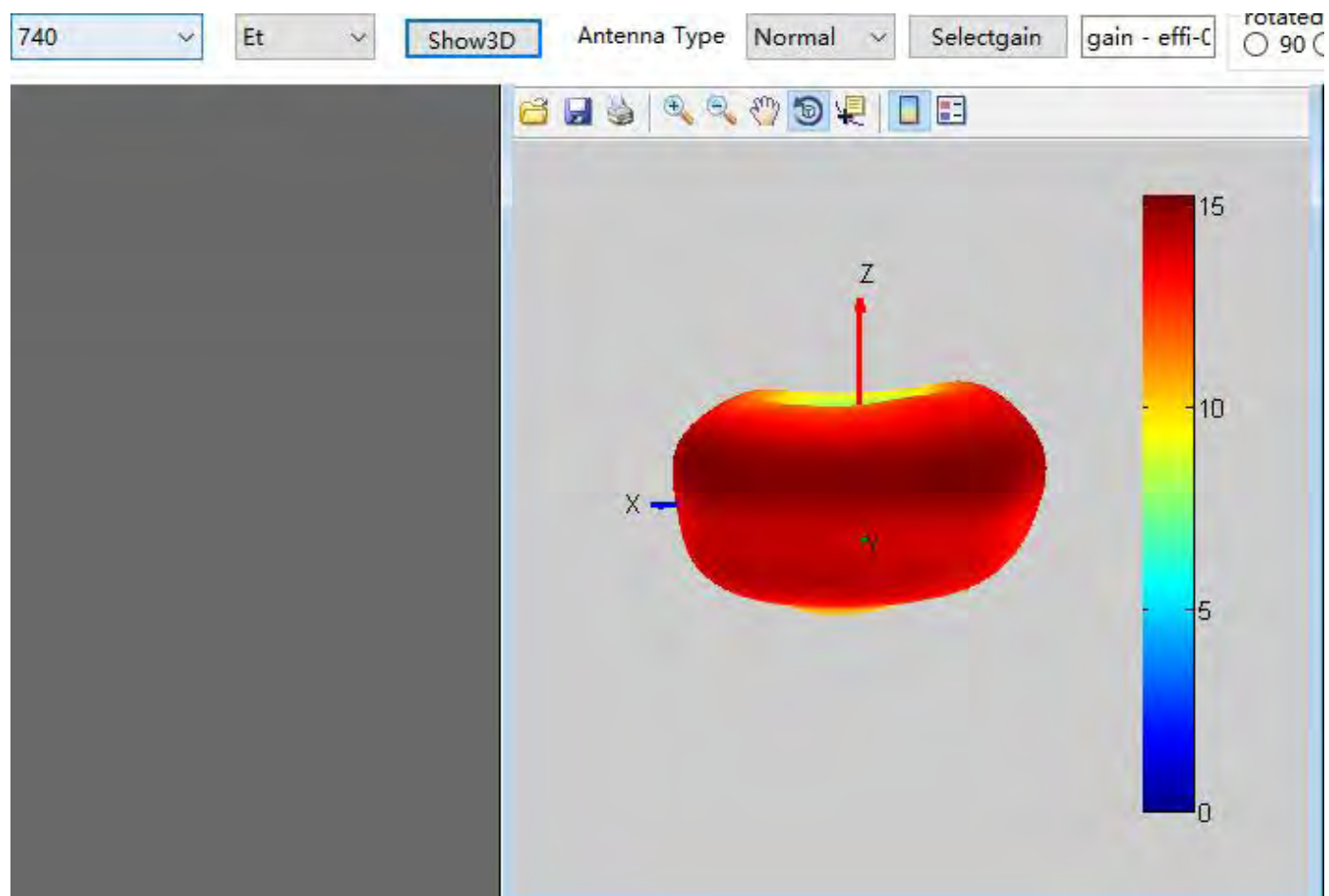
740 Et Show3D Antenna Type Normal Selectgain gain - effi-C rotated 90 C



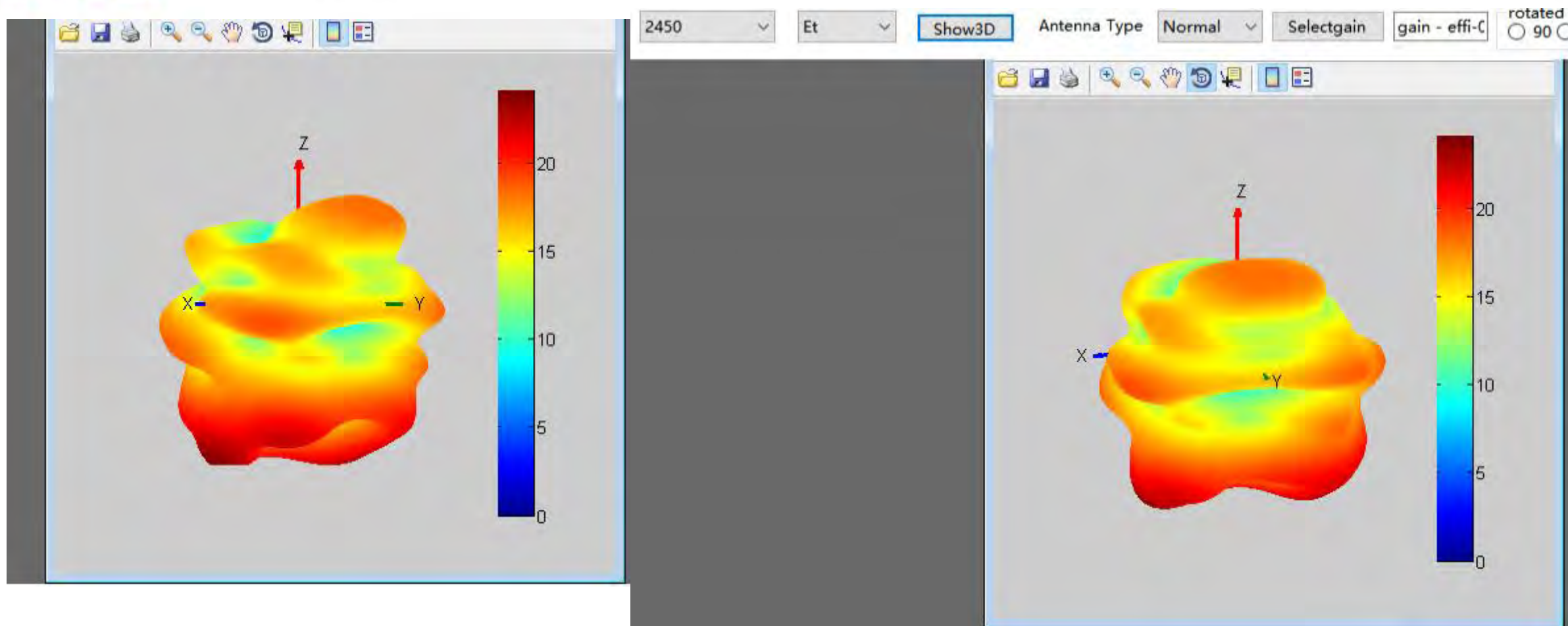
740 Et Show3D Antenna Type Normal Selectgain gain - effi-C rotated 90 C



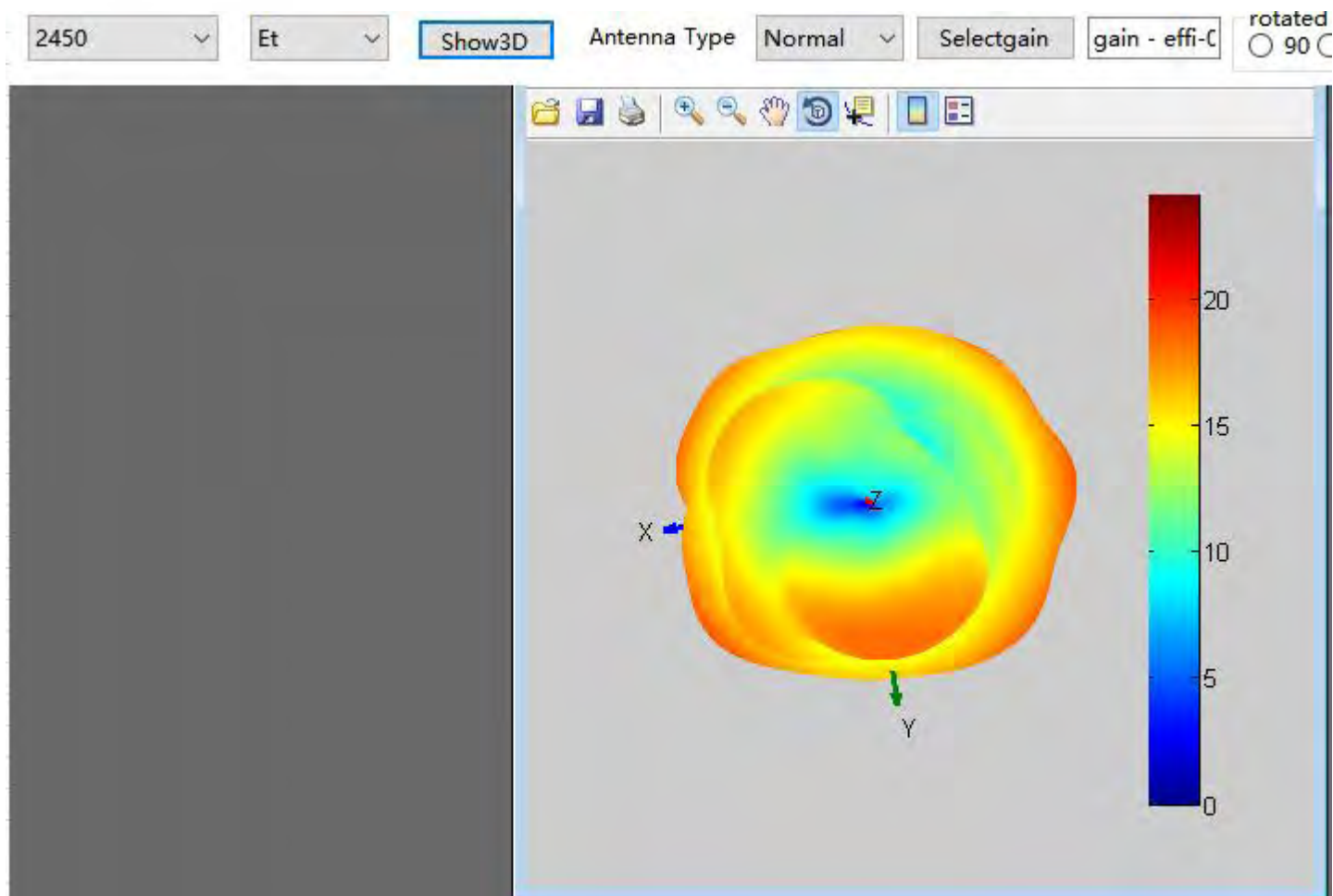


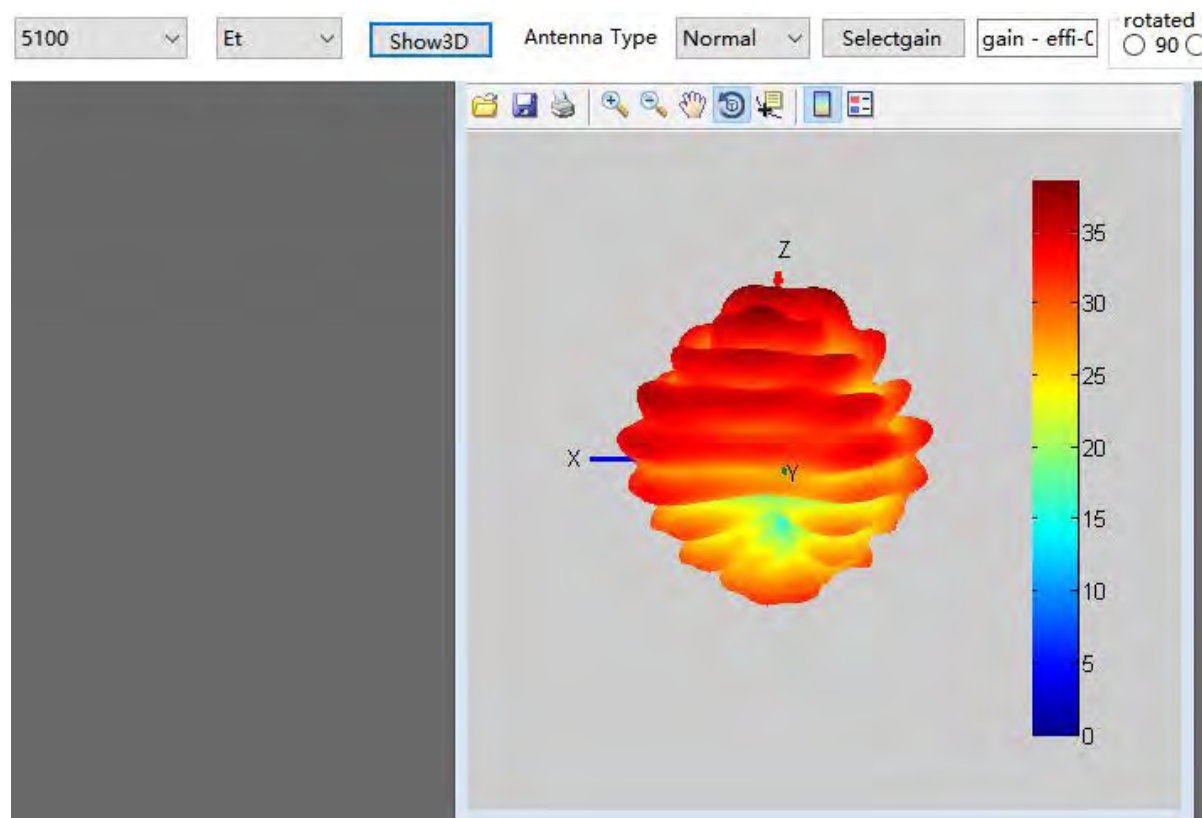
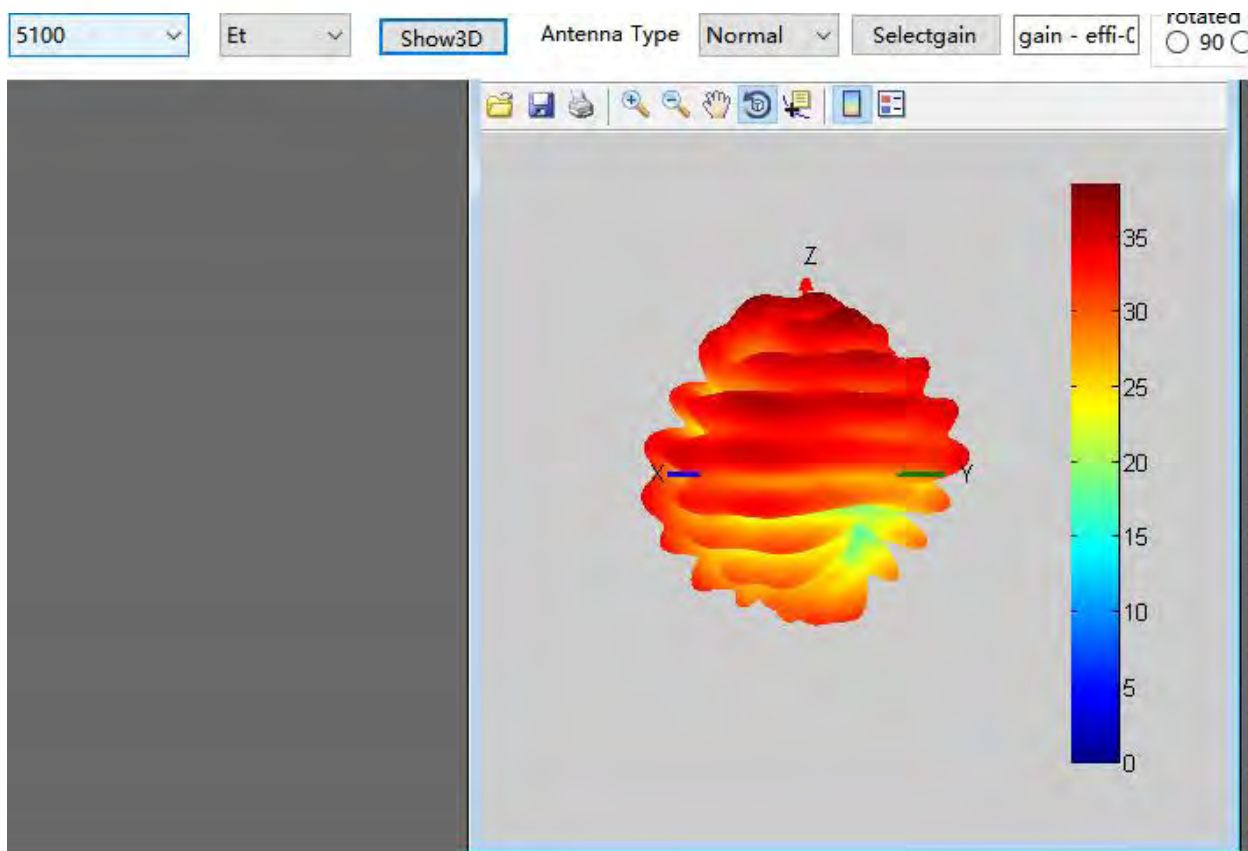


# BT @ 2.4GWIFI

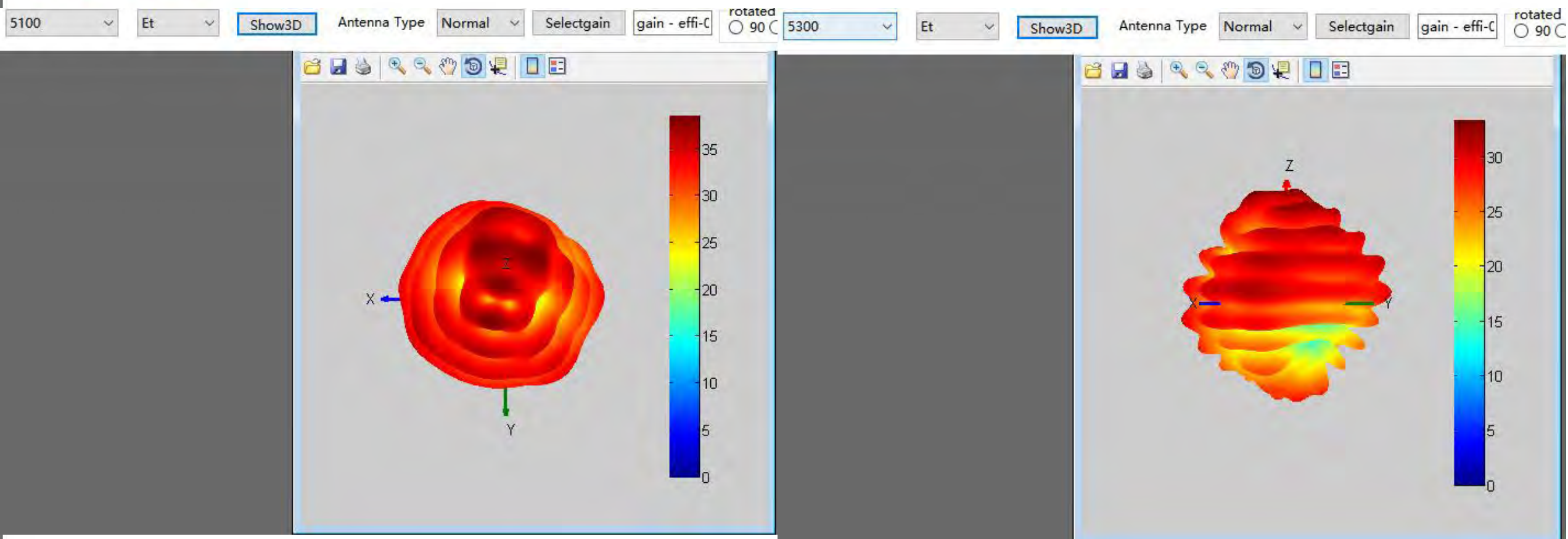


# BT @ 2.4GWIFI

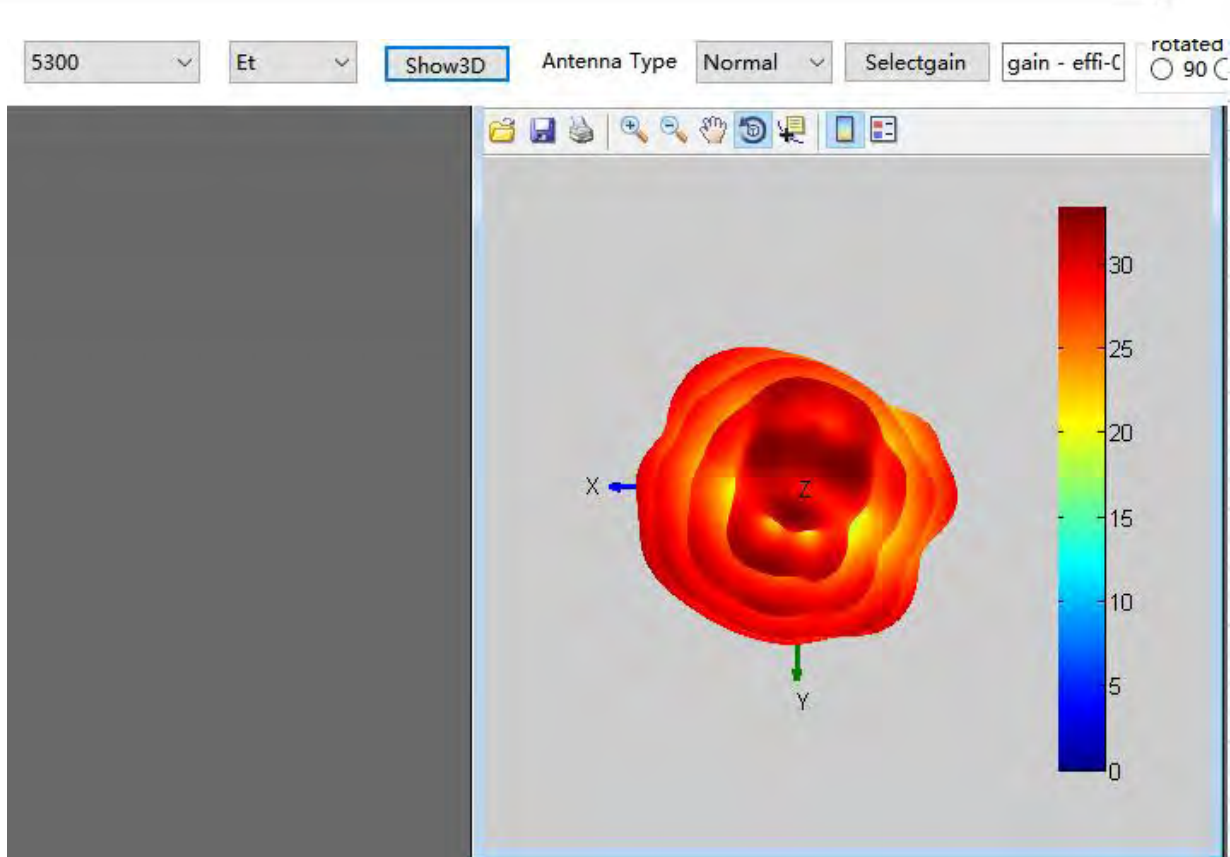
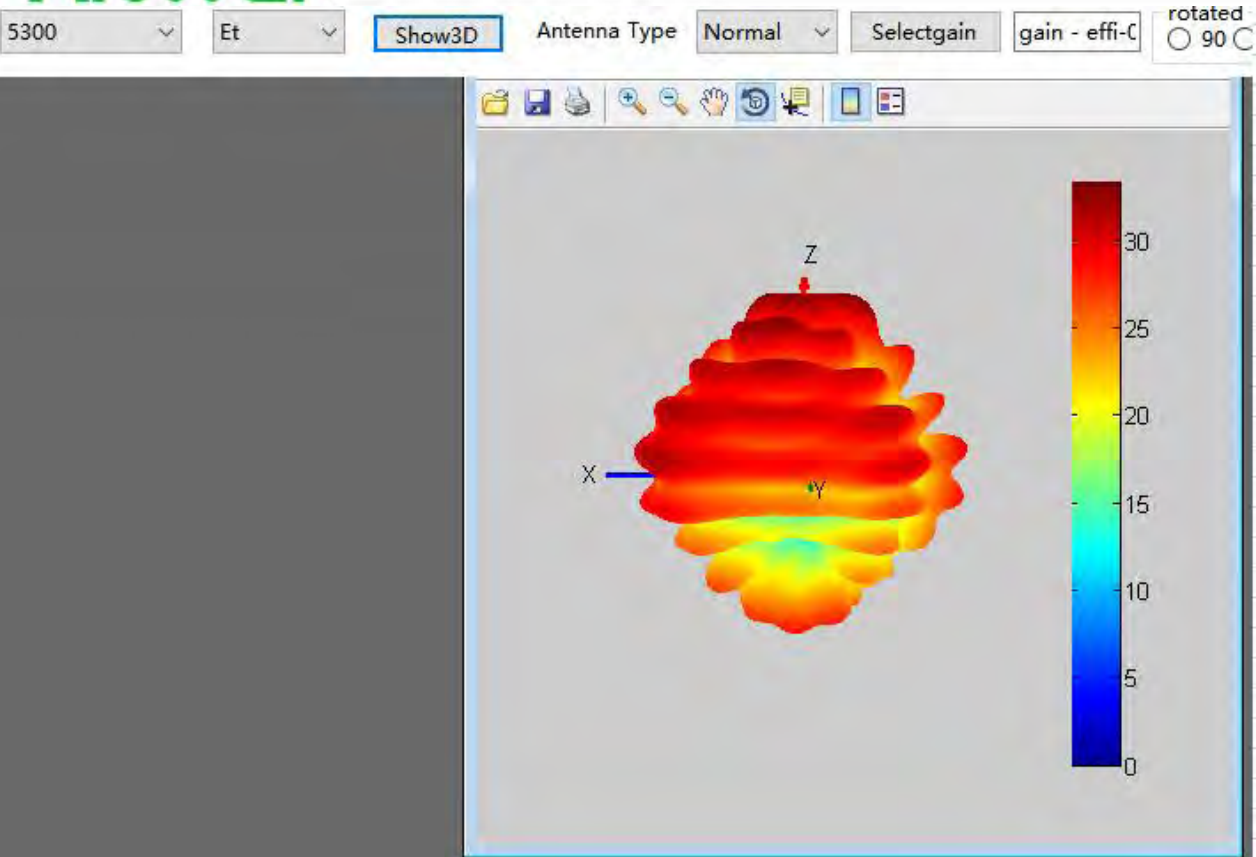




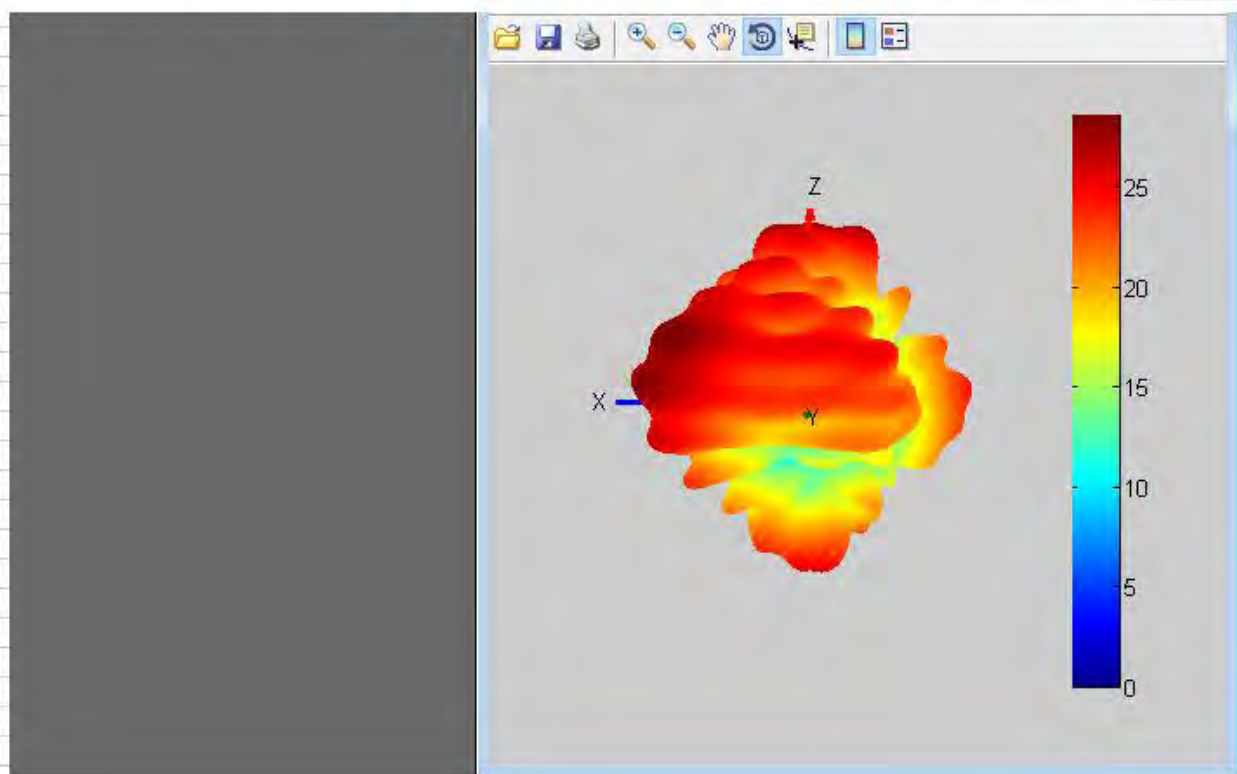
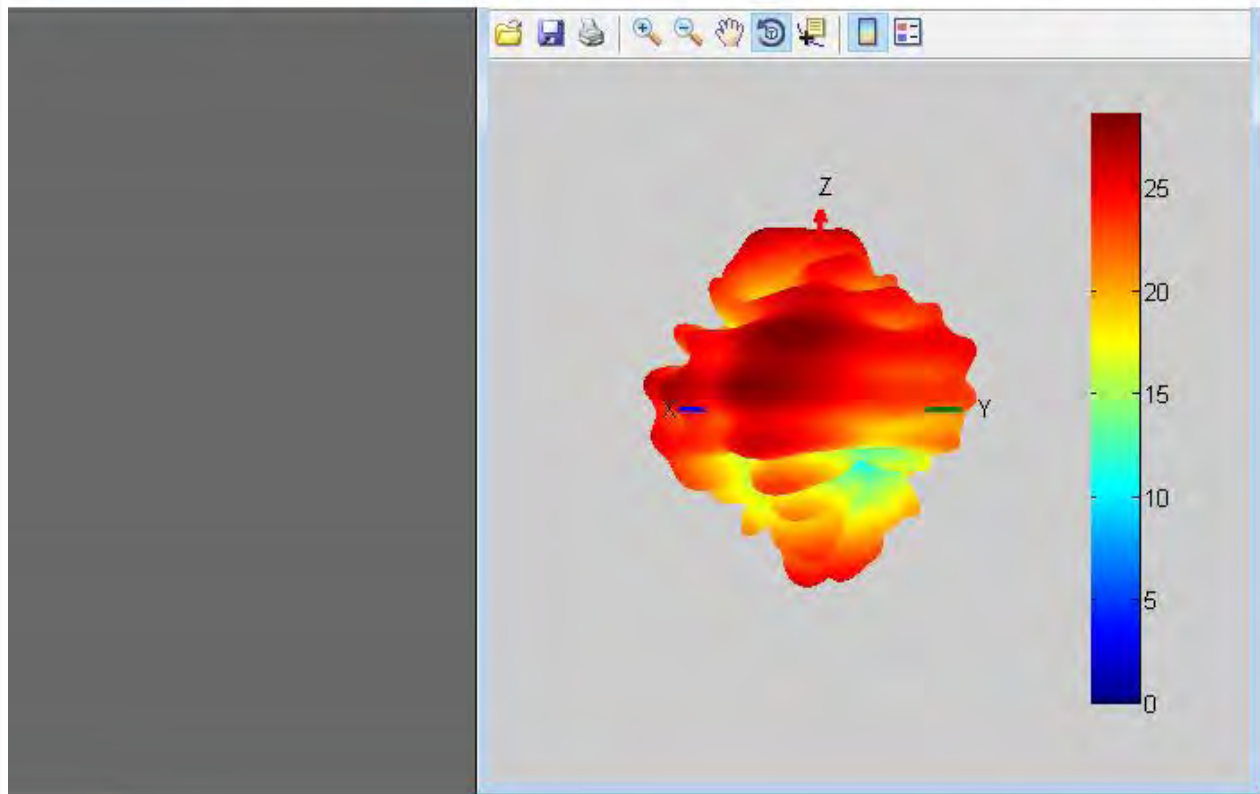


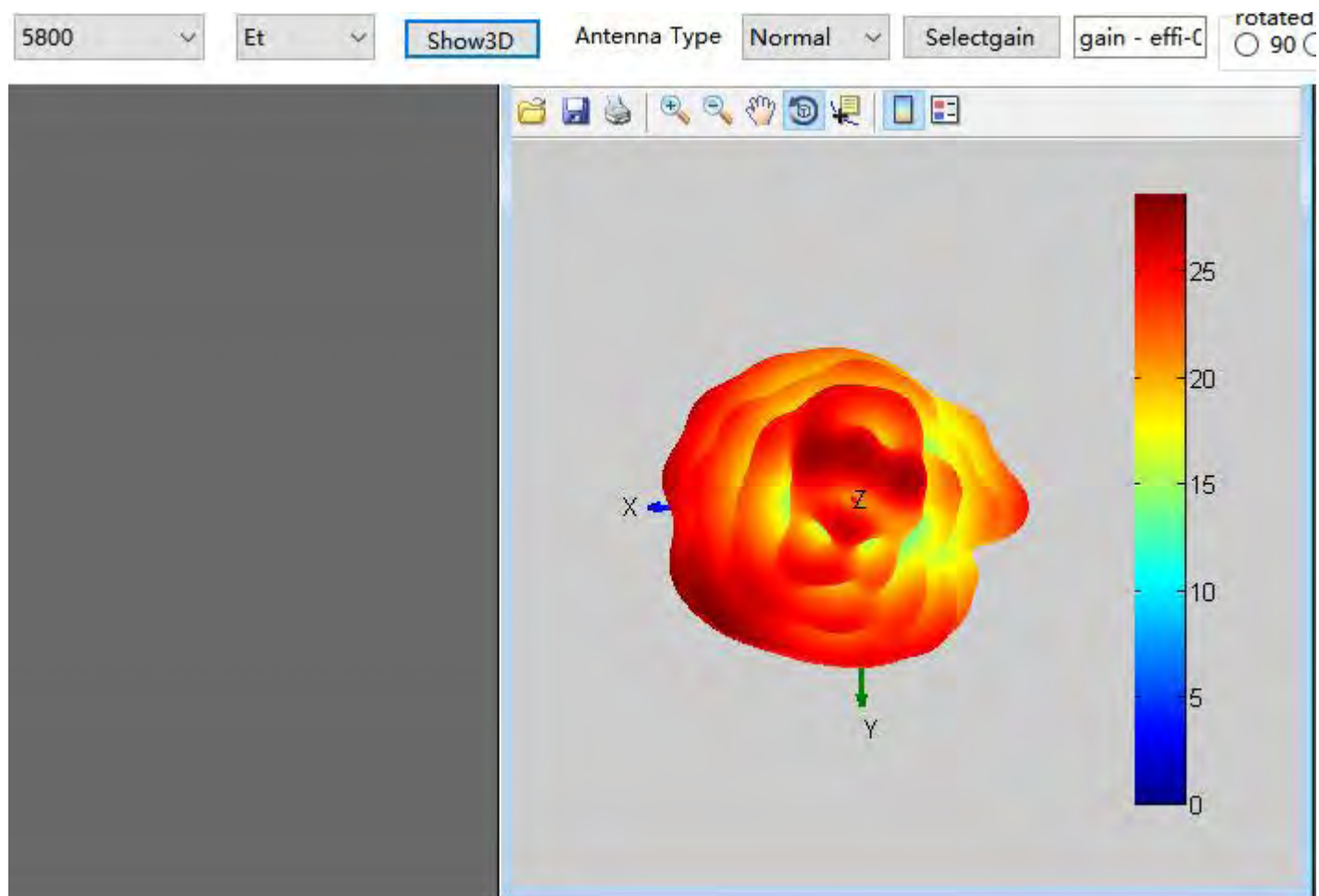


# 5GWIFI



5800 ▾ Et ▾ Show3D Antenna Type Normal ▾ Selectgain gain - effi-C rotated 90°









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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