



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

Shenzhen Anwei Wireless Technology Co., Ltd.

Address: 2nd Floor, East Building, Block 5, Yifenghua Innovation Industrial Park, Huaning Road, Dalang Subdistrict, Longhua District, Shenzhen City

Anwei Customer Antenna

Customer:

Project Name: G200-T7250

Antenna Type: FPC Antenna

Anwei RF: Xu Long Mobile

phone: 15915343126

Revision: 20260116

Time: 2026.01.16

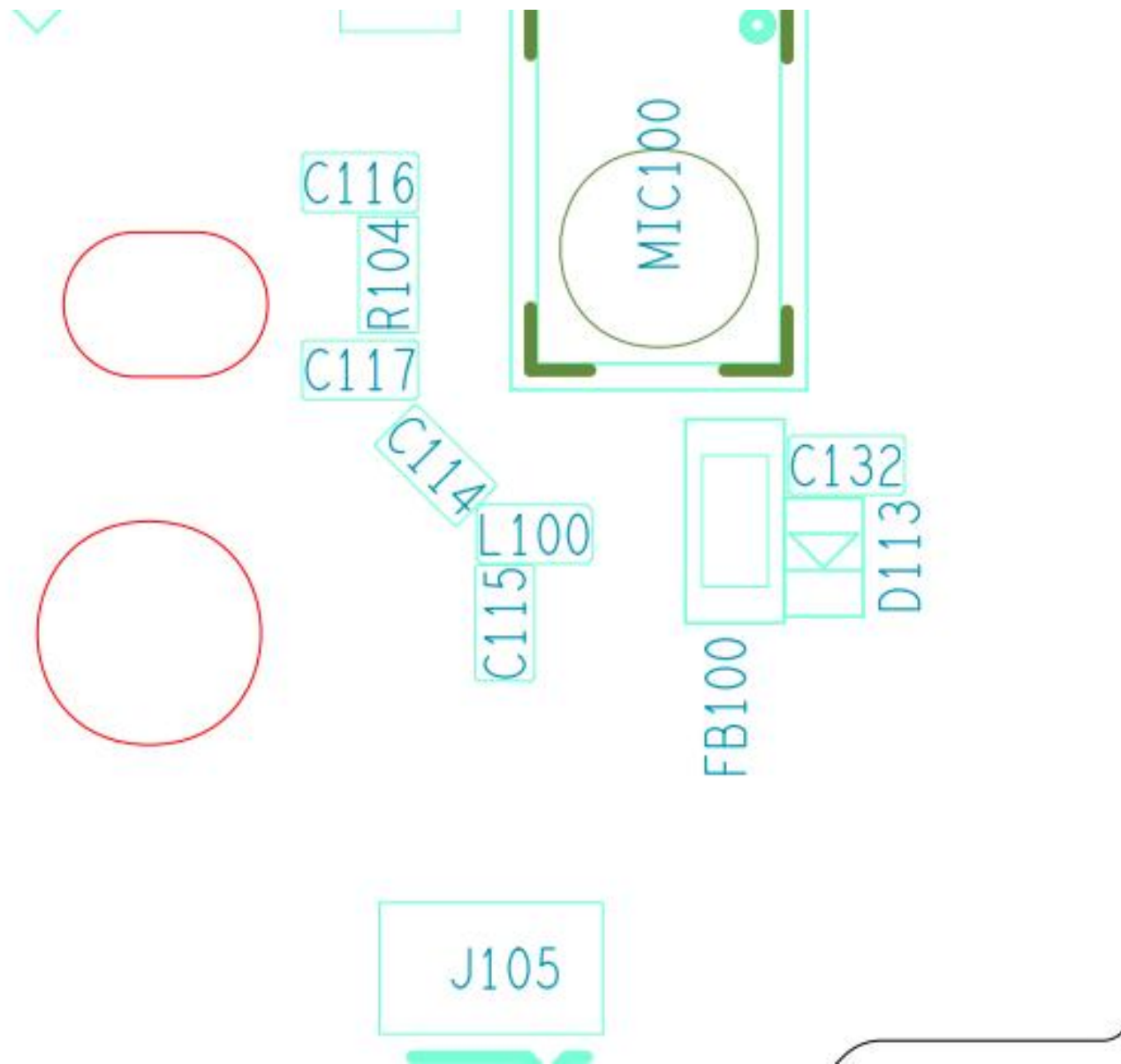
携手共进 共创未来

main antenna matching circuit

G200-T7250-ANT0 RF matching and switching band splitting are as follows:			
frequency band	Tagno/switch channel	Match	Remarks
GSM 8/W8/FDD8	(R105)	22PF	
GSM 5/W5/FDD5/18/19/20/26 (850MHZ)	(L102)	2. 2NH	
FDD 12/17/B28A/B28B (700MHZ)	(L103)	10NH	
FDD 13	(L104)	7. 5NH	
	C113	0欧姆	
	L101	NC	

diversity antenna distribution frequency band:
GSM2/3/W1/2/4/FDD1/2/3/4/7/25/66/TDD38/40/41

main antenna matching circuit



G200-T7250

C115 0

L100 NC

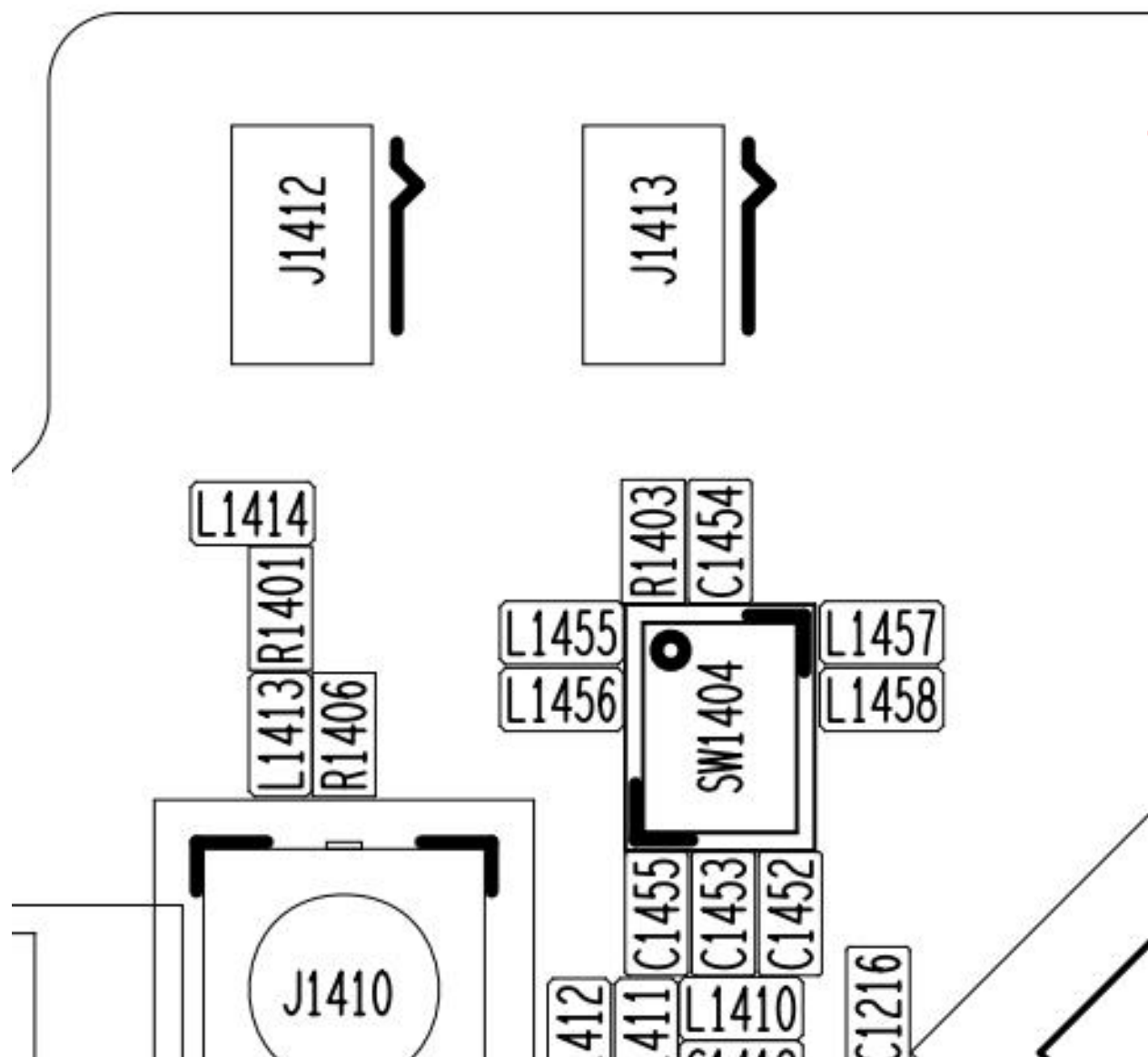
C114 0 NC

C117

R104 0 NC

C116

diversity antenna matching



G200-T7250

R1403 0

C1454 NC

L1414 1.0PF

R1401 3.3NH

L1413 NC

R1406 0

Main Antenna Darkroom Data

	Channel	TRP（dBm）	TIS（dBm）			Channel	TRP（dBm）	TIS（dBm）			Channel	TRP（dBm）	TIS（dBm）
FDD B1	18050	18.23		FDD B13					FDD B28B	27410	15.84		
	18300	18.14			23230	15.64	-88.14			27510	16.17		
	18550	17.76	-90.65							27600	16.19	-88.74	
FDD B2	18650	18.12		FDD B17	23790	15.84		FDD B66	132022	17.84			
	18900	18.15			23790	16.14			132322	17.59			
	19150	18.13	-90.03		23790	16.07	-88.62		132622	17.86	-91.14		
FDD B3	19250	17.54		FDD B18	23900	16.54		TDD（B34）	36250				
	19575	18.16			23925	16.42			36275				
	19900	18.21	-92.34		23950	16.32	-85.57		36300				
FDD B4	20000	17.46		FDD B19	24050	16.03		TDD（B38）	37850	18.12			
	20175	17.58			24075	15.72			38000	17.86			
	20350	18.17	-91.15		24100	15.69	-87.47		38150	17.53	-89.15		
FDD B5	20450	15.84		FDD B20	24200	15.03		TDD（B39）	38350				
	20525	15.69			24300	16.12			38450				
	20600	15.87	-86.78		24400	16.18	-87.22		38550				
FDD B7	20800	18.16		FDD B25	26090	18.14		TDD（B40）	38750	18.16			
	21100	17.85			26365	17.85			39150	18.21			
	21400	17.64	-91.32		26640	17.69	-89.23		39550	18.16	-90.75		
FDD B8	21500	18.23		FDD B26	26740	15.45		TDD（B41）	40340	17.86			
	21625	17.86			26865	16.13			40620	17.68			
	21750	17.64	-84.15		26990	16.18	-88.36		41140	17.59	-89.46		
FDD B12	23060	15.68		FDD B28A	27260	16.14							
	23095	16.13			27370	16.18							
	23130	16.24	-88.54		27469	16.13	-88.72						

Main Antenna Darkroom Data

	Channel	TRP (dBm)	TIS (dBm)			Channel	TRP (dBm)	TIS (dBm)			Channel	TRP (dBm)	TIS (dBm)
WCDMA B1	10562	18.15		PCS 1900	512	25.36							
	10700	17.23			661	25.27							
	10838	16.31	-103. 8		810	25.13	-103. 4						
WCDMA B2	9262	17.86											
	9400	17.79											
	9538	17.74	-102. 8										
WCDMA B4	1312	17.26											
	1413	17.34											
	1513	17.48	-103. 2										
WCDMA B5	4132	14.12											
	4183	15.16											
	4233	16.18	-102. 3										
WCDMA B8	2712	15.13											
	2787	15.32											
	2863	16.28	-97. 34										
GSM 850	128	23.65											
	190	25.43											
	251	25.87	-100. 3										
GSM 900	1	24.72											
	62	23.55											
	124	22.16	-96. 14										
DCS1800	512	24.23											
	698	25.14											
	885	25.26	-103. 2										

 WIFI Measured

Standard	Band	Channel	Frequency	TRP	TIS
WIFI_B	B_11M	1	2412	12.13	-80.26
WIFI_B	B_11M	6	2437	12.56	-81.67
WIFI_B	B_11M	11	2462	12.24	-81.36
WIFI_A	A_54M	36	5180	10.16	-70.14
WIFI_A	A_54M	64	5320	9.13	-71.35
WIFI_A	A_54M	165	5825	11.24	-71.64

 GPS antenna actual test effect:

Test Item	Test Results
Total number of search stars	8
In use satellite number	7
Maximum SNR value	41
SNR $\geq$ 40 stars	2
Cold start positioning time	48S

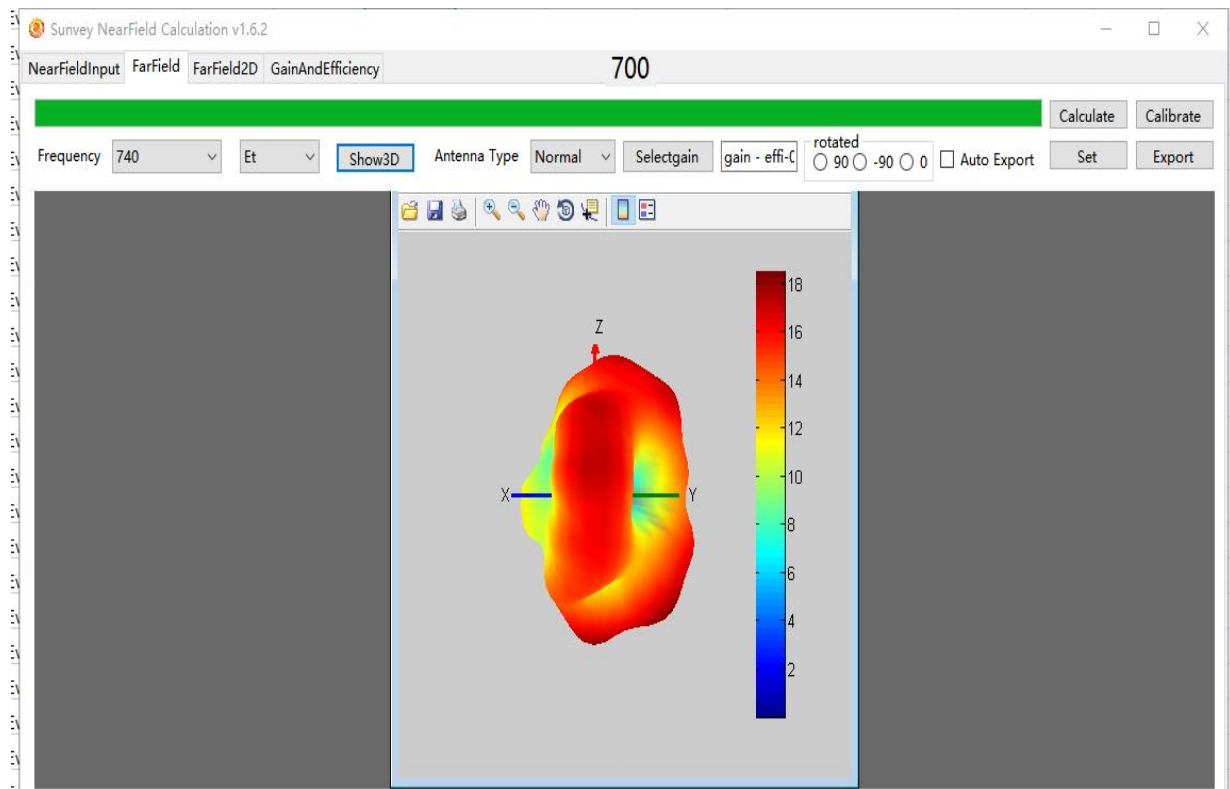
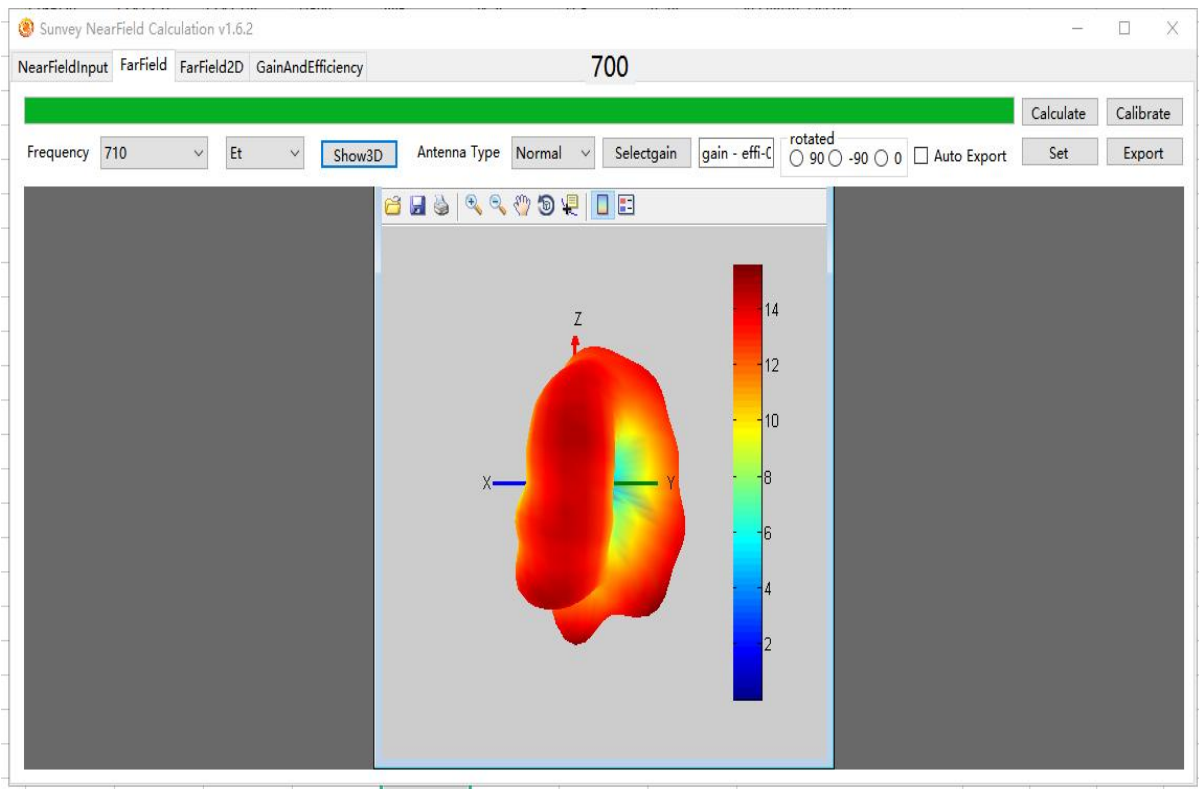
Test conclusion: performance OK.



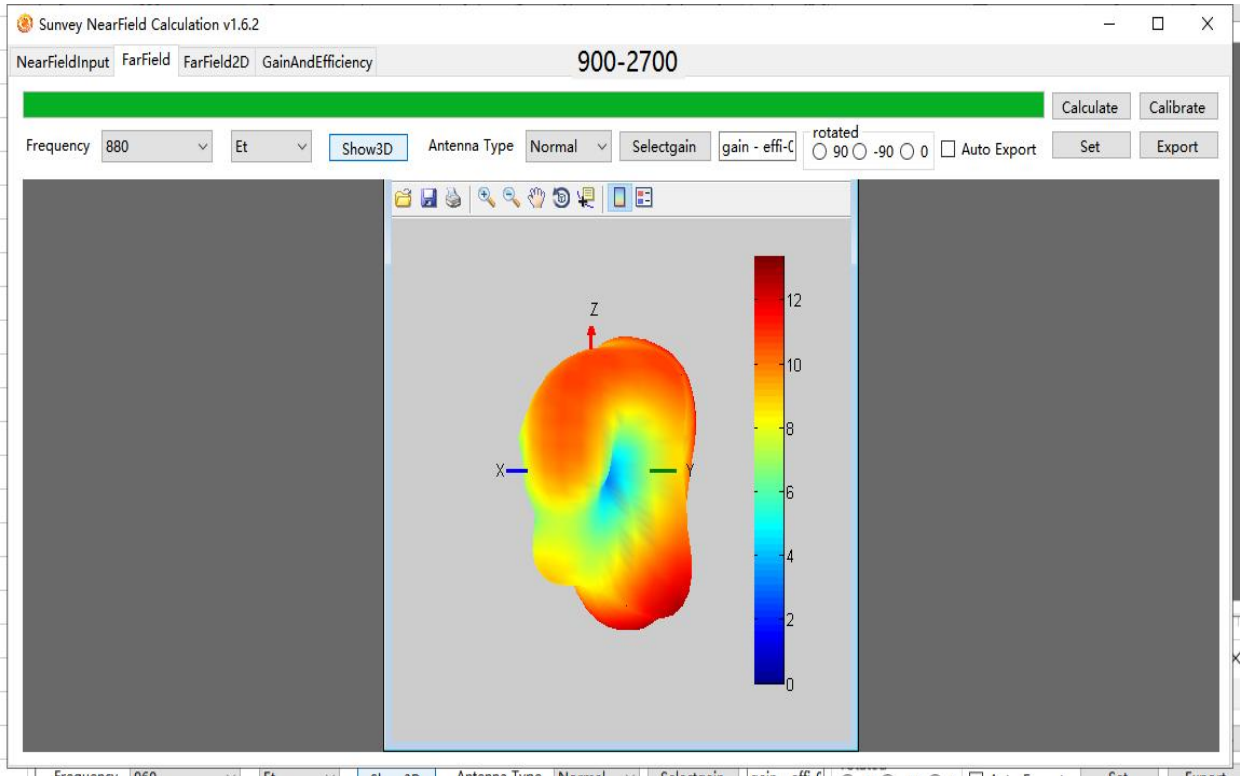
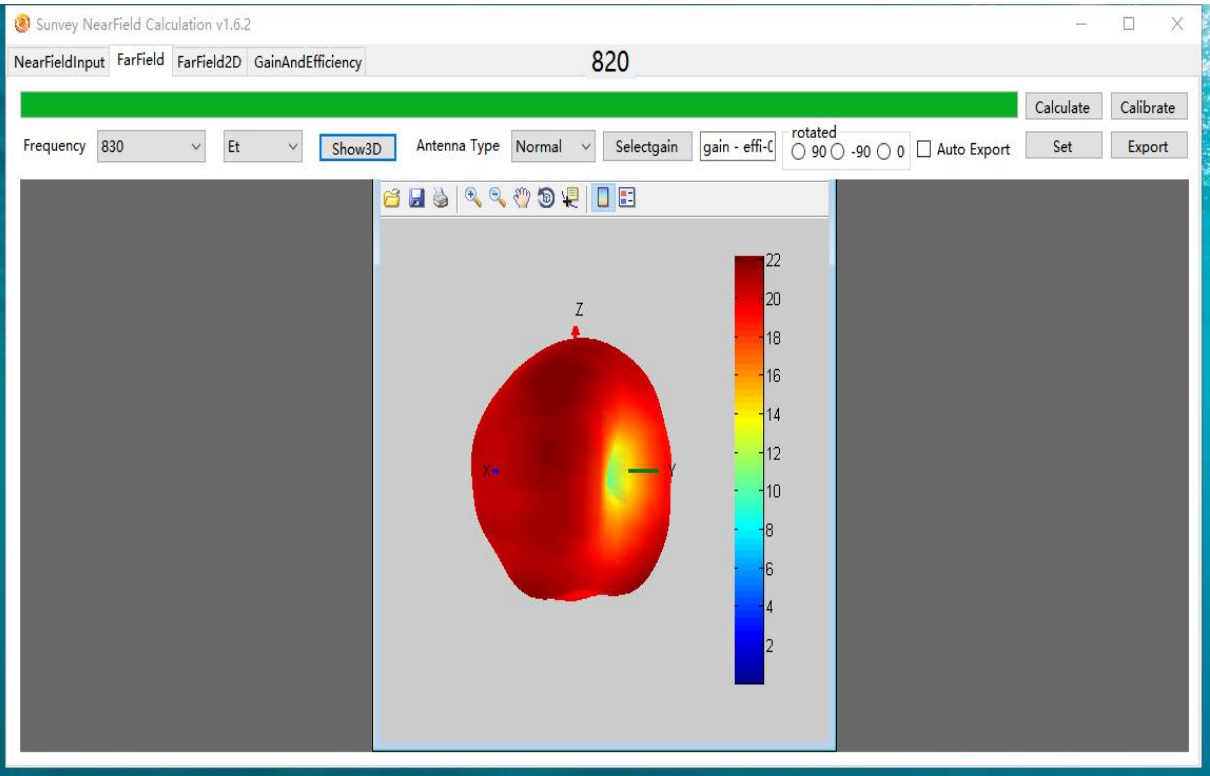
antenna gain

Band	Mode	Frequency	Antenna Max Gain (dBi)	
GSM-BAND	Band2	1850-199	-0.27	dBi
	Band3	1710-1880	-0.23	
	Band5	824-894	-0.56	
	Band8	880-960	-0.68	
WCDMA-BAND	Band1	1920-2170	-0.31	dBi
	Band2	1850-1990	-0.27	
	Band4	1710-2155	-0.25	
	Band5	824-894	-0.56	
	Band8	880-960	-0.68	
FDD-BAND	Band1	1920-2170	-0.31	dBi
	Band2	1850-1990	-0.27	
	Band3	1710-1880	-0.23	
	Band4	1710-2150	-0.25	
	Band5	824-894	-0.56	
	Band7	2500-2690	0.68	
	Band8	880-960	-0.68	
	Band12	704-740	-0.64	
	Band13	746-787	-0.61	
	Band17	704-746	-0.58	
	Band18	815-875	-0.49	
	Band19	830-890	-0.48	
	Band20	791-862	-0.54	
	Band25	1850-1995	-0.25	
	Band26	814-894	-0.58	
	Band28	703-803	-0.59	
	Band34	2010-2025		
	Band38	2570-2620	0.57	
	Band39	1880-1920		
	Band40	2300-2400	0.45	
	Band41	2496-2690	0.63	
	Band66	1710-2200	-0.25	
WIFI-2.4G	2.4G	2401-2495	1.24	dBi
WIFI-5G	5.1G	5100	1.76	dBi
	5.3G	5300	2.14	
	5.8G	5800	2.37	
BT	2.4G	2401-2495	1.24	dBi
GPS	Gps L1 Band	1575.42	-0.45	dBi

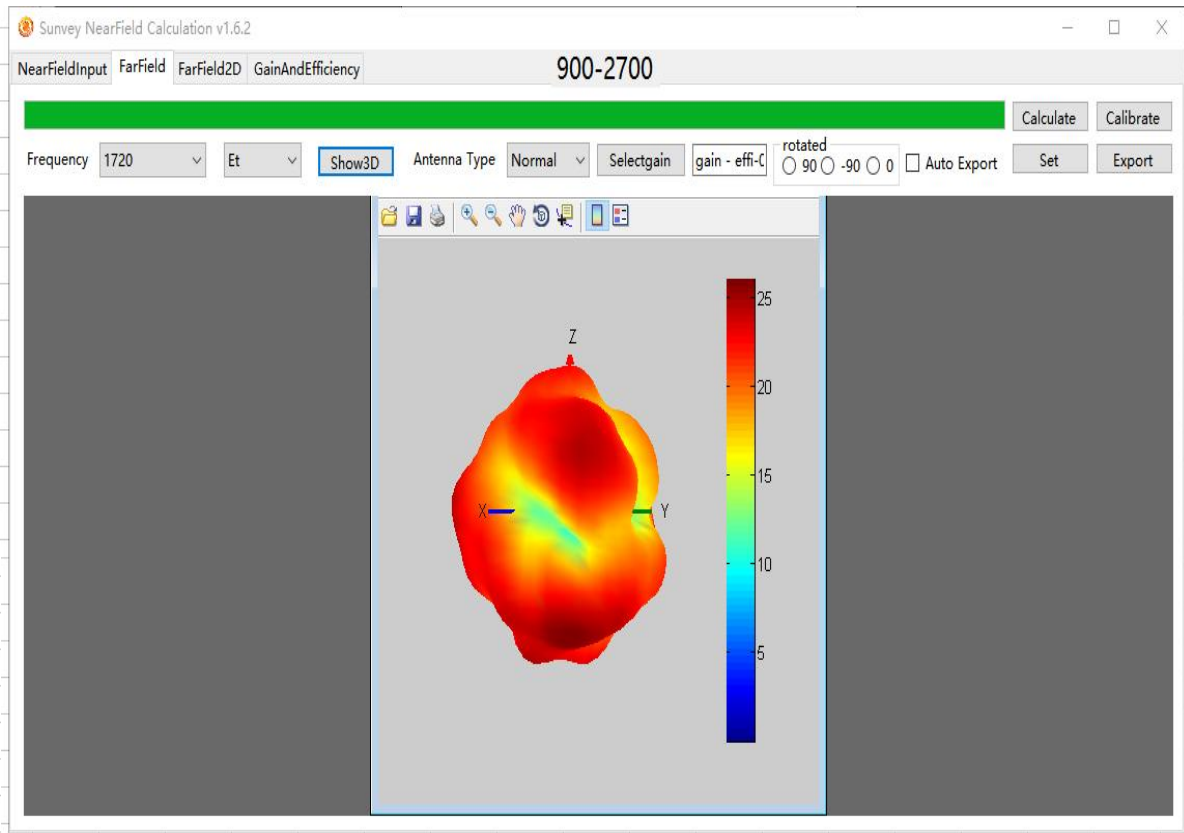
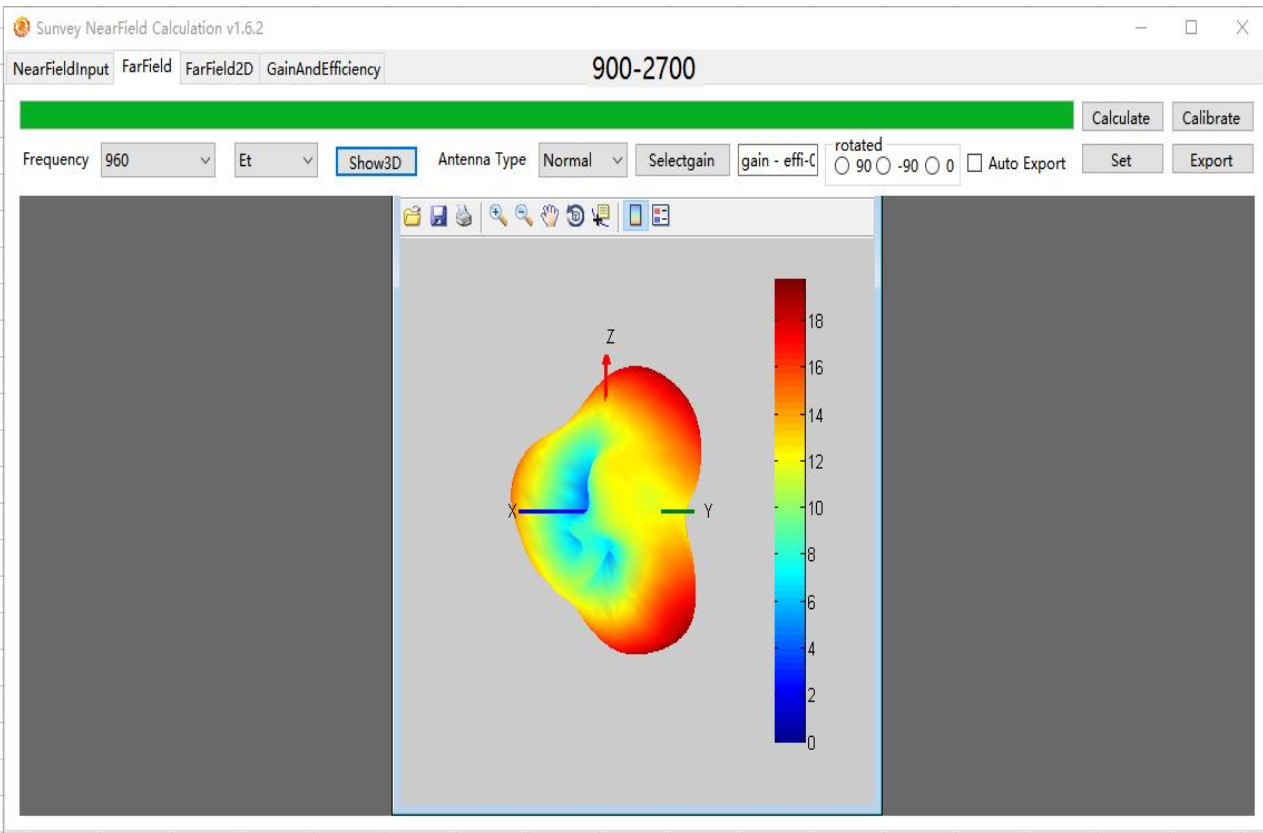
Apple Chart



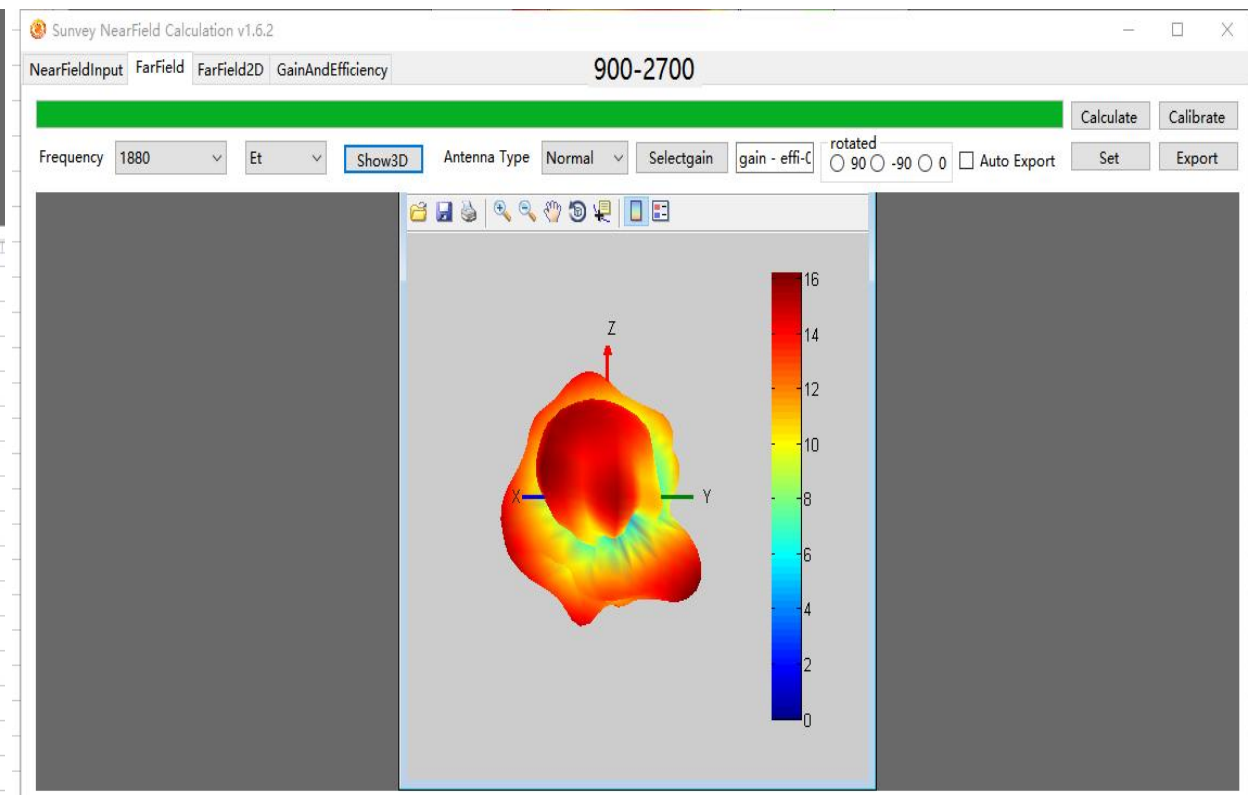
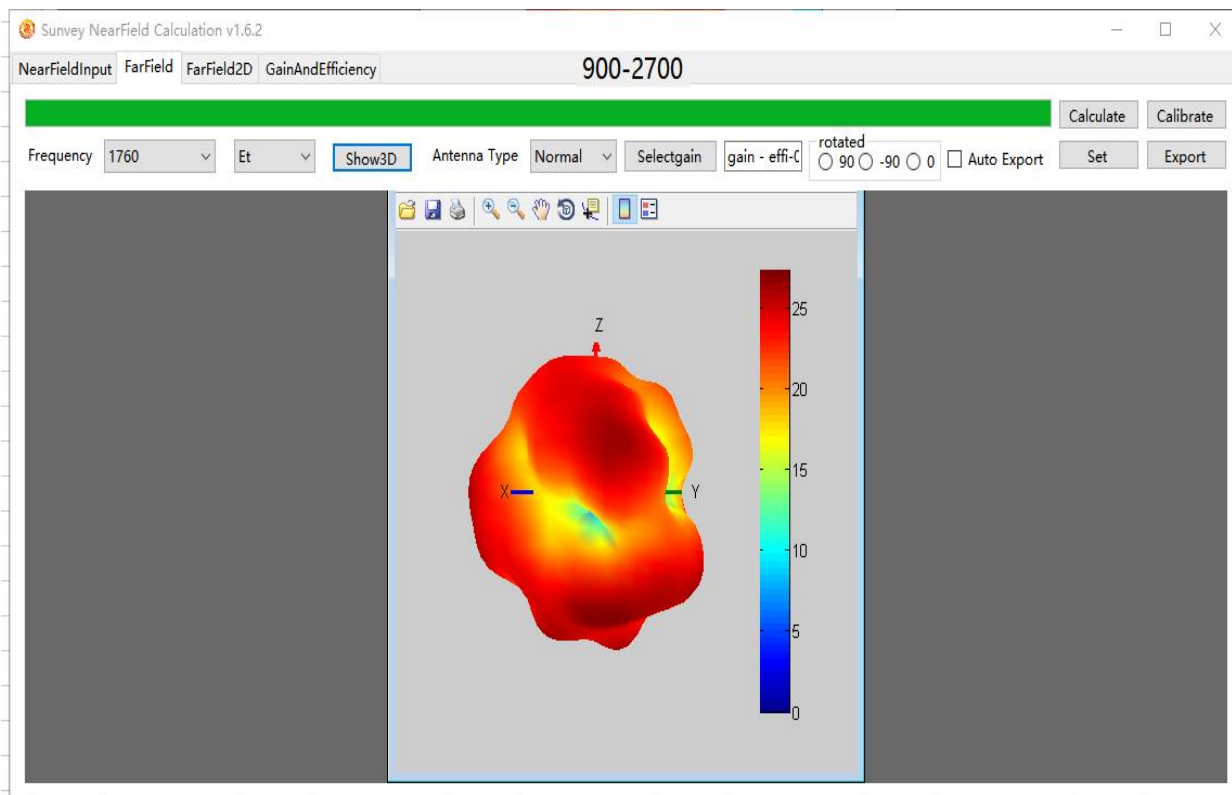
Apple Chart



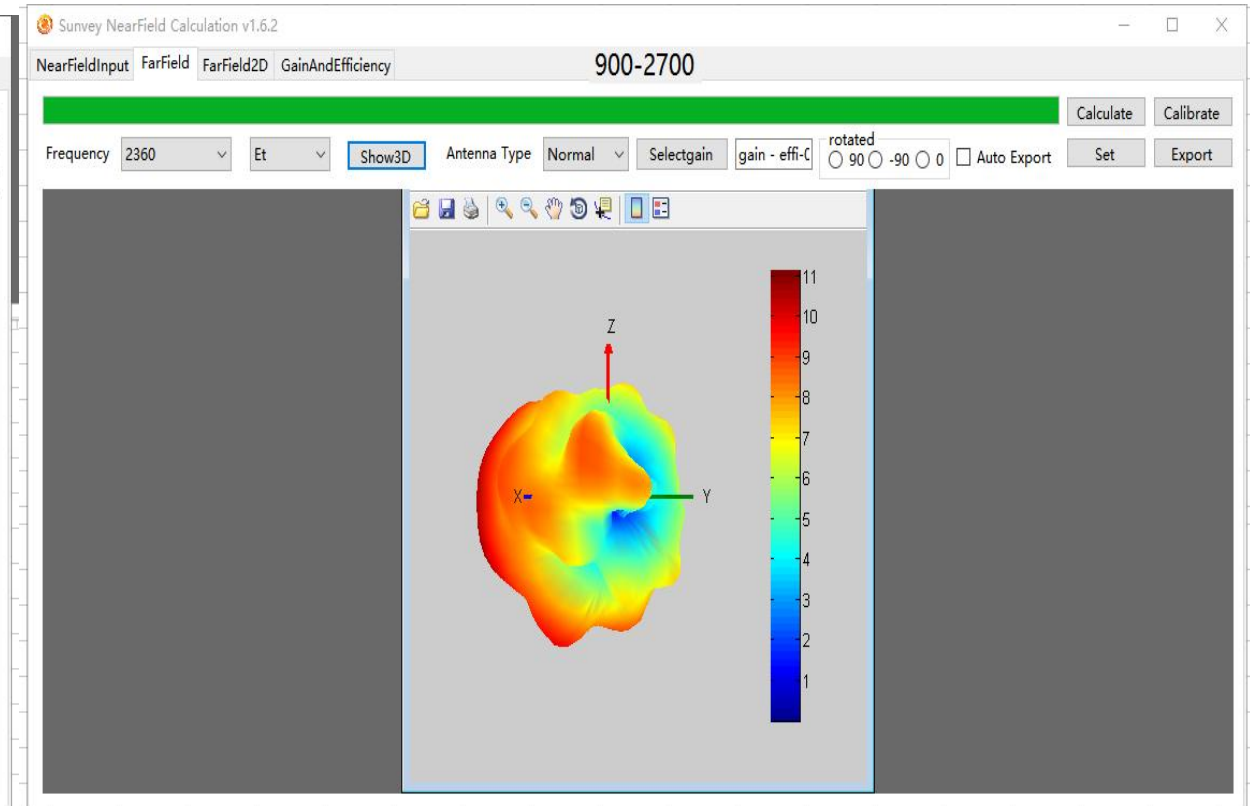
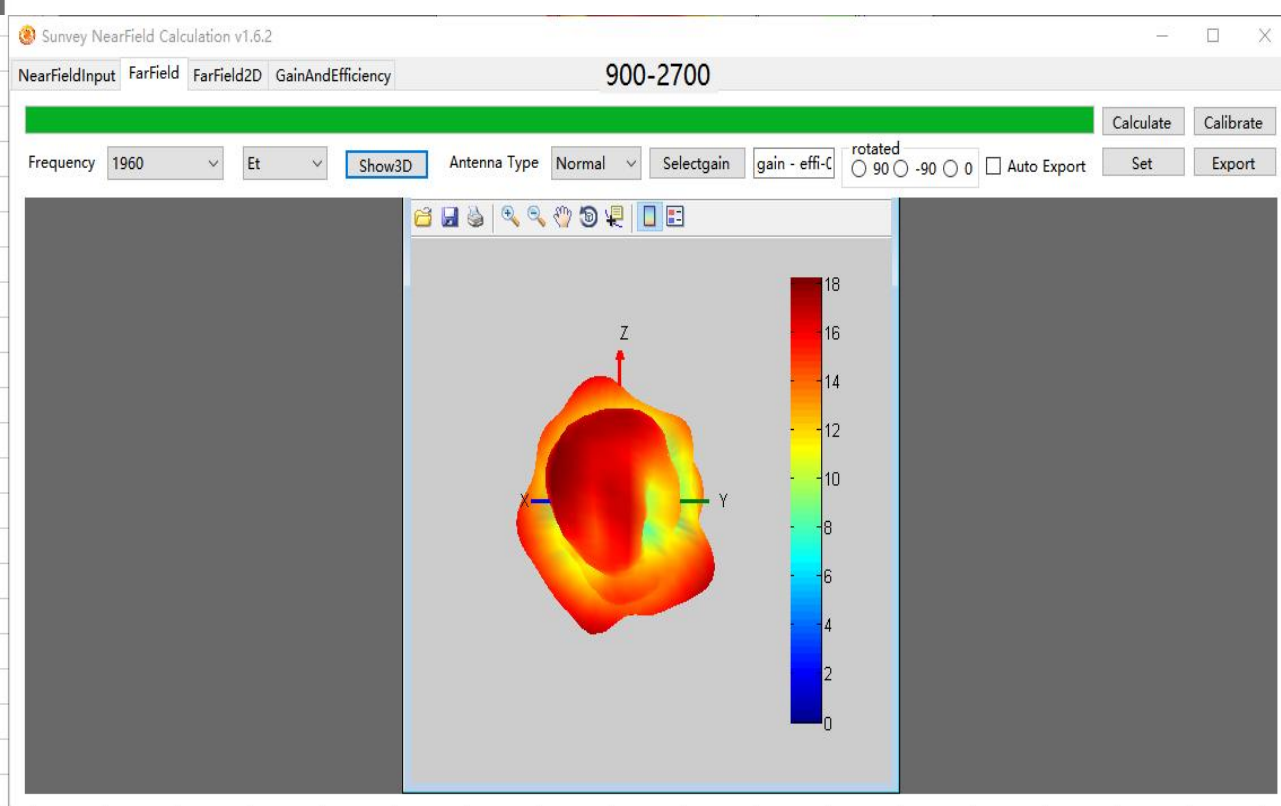
Apple Chart



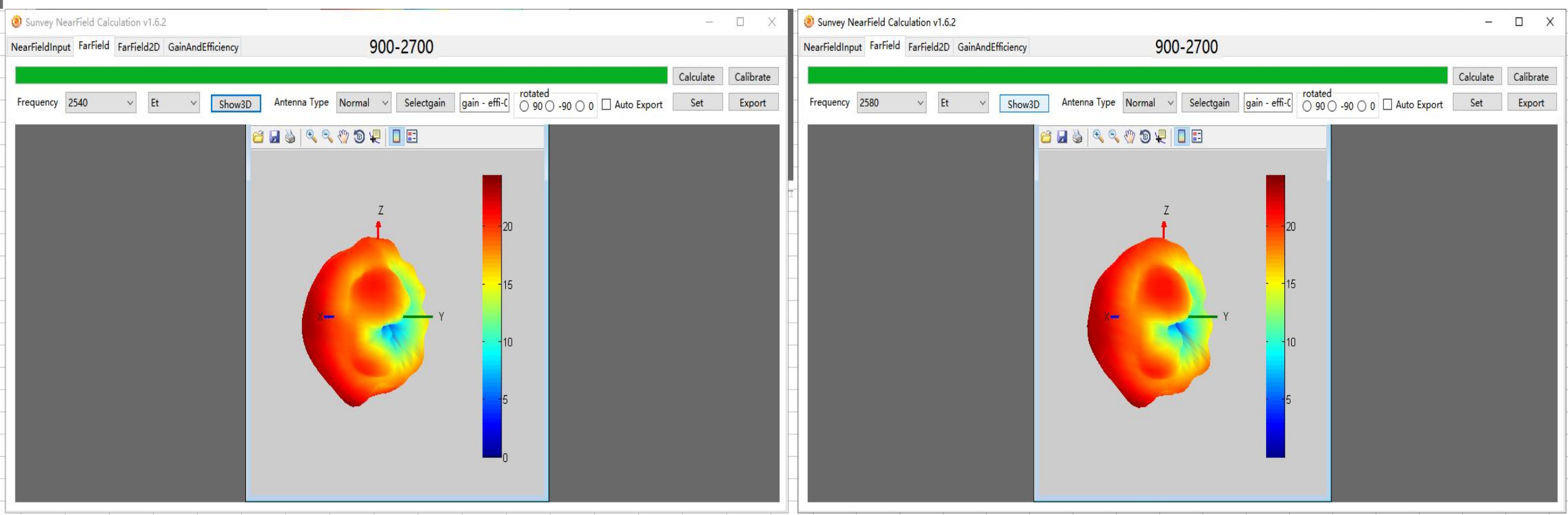
Apple Chart



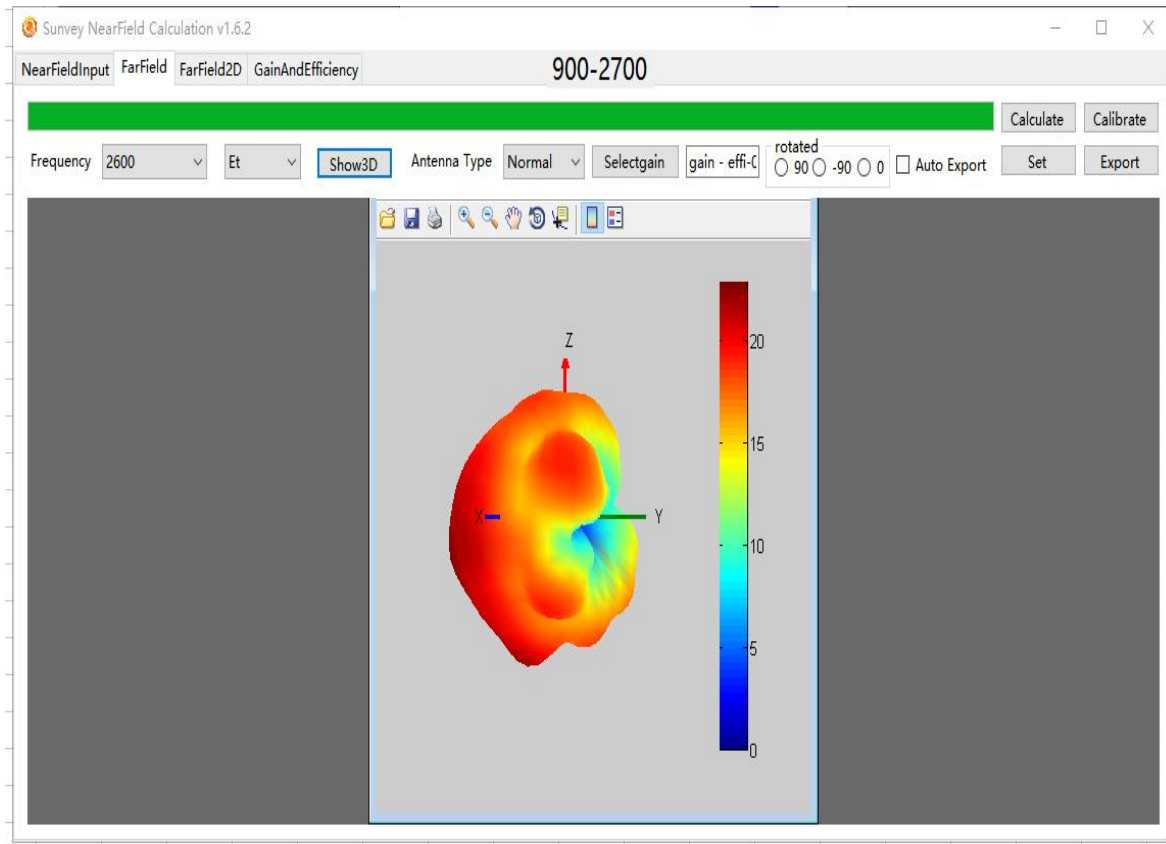
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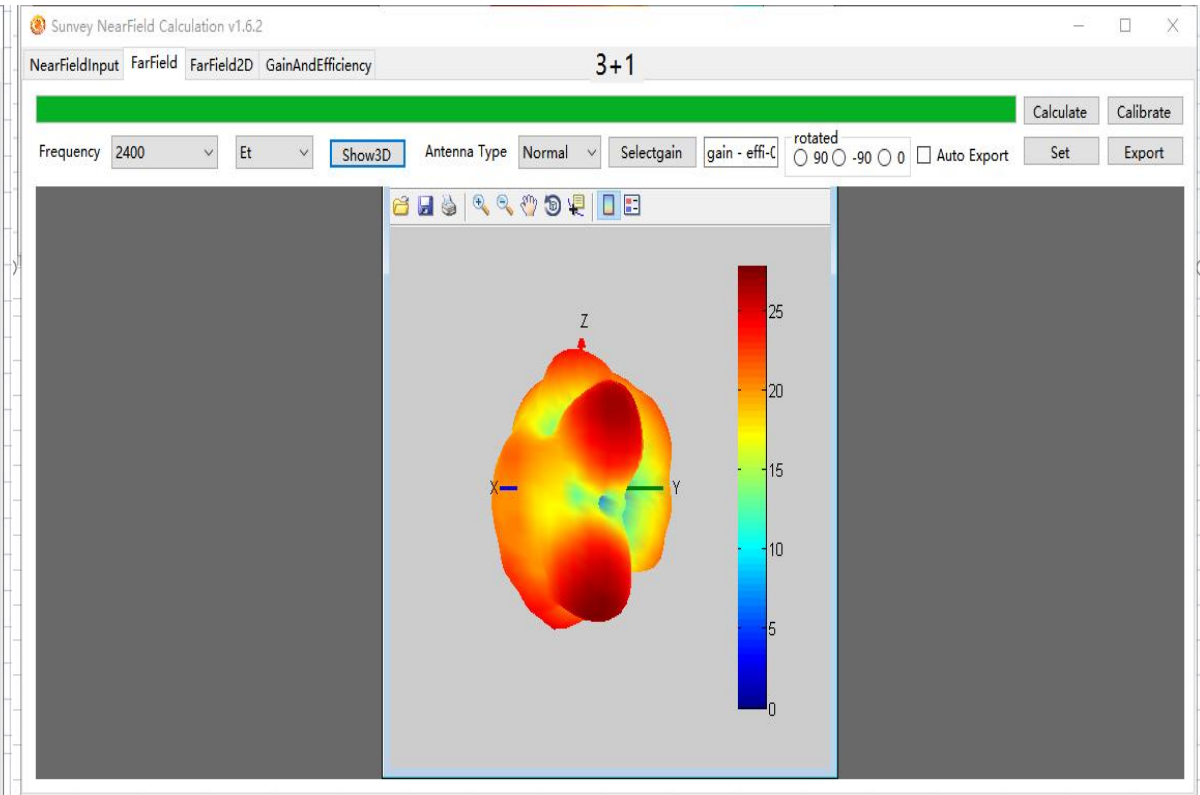
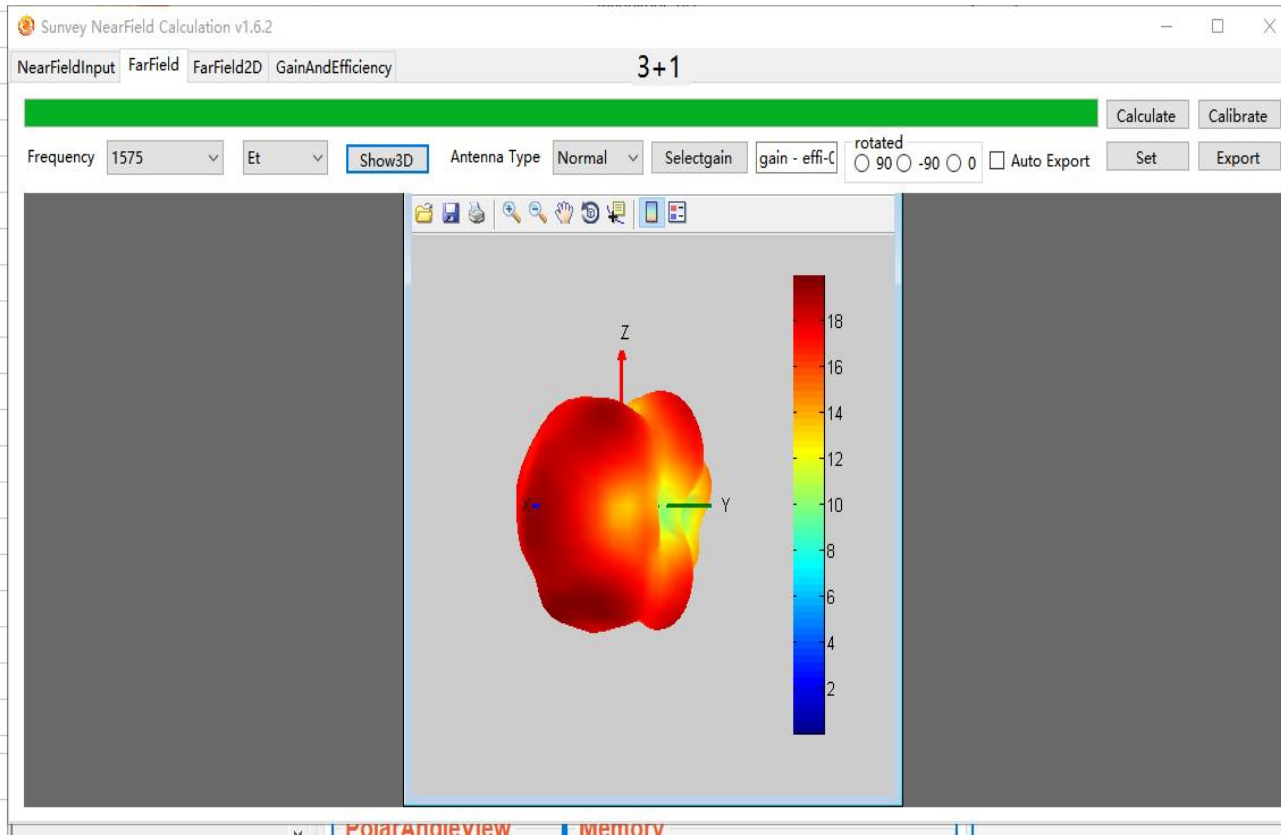
Apple Chart



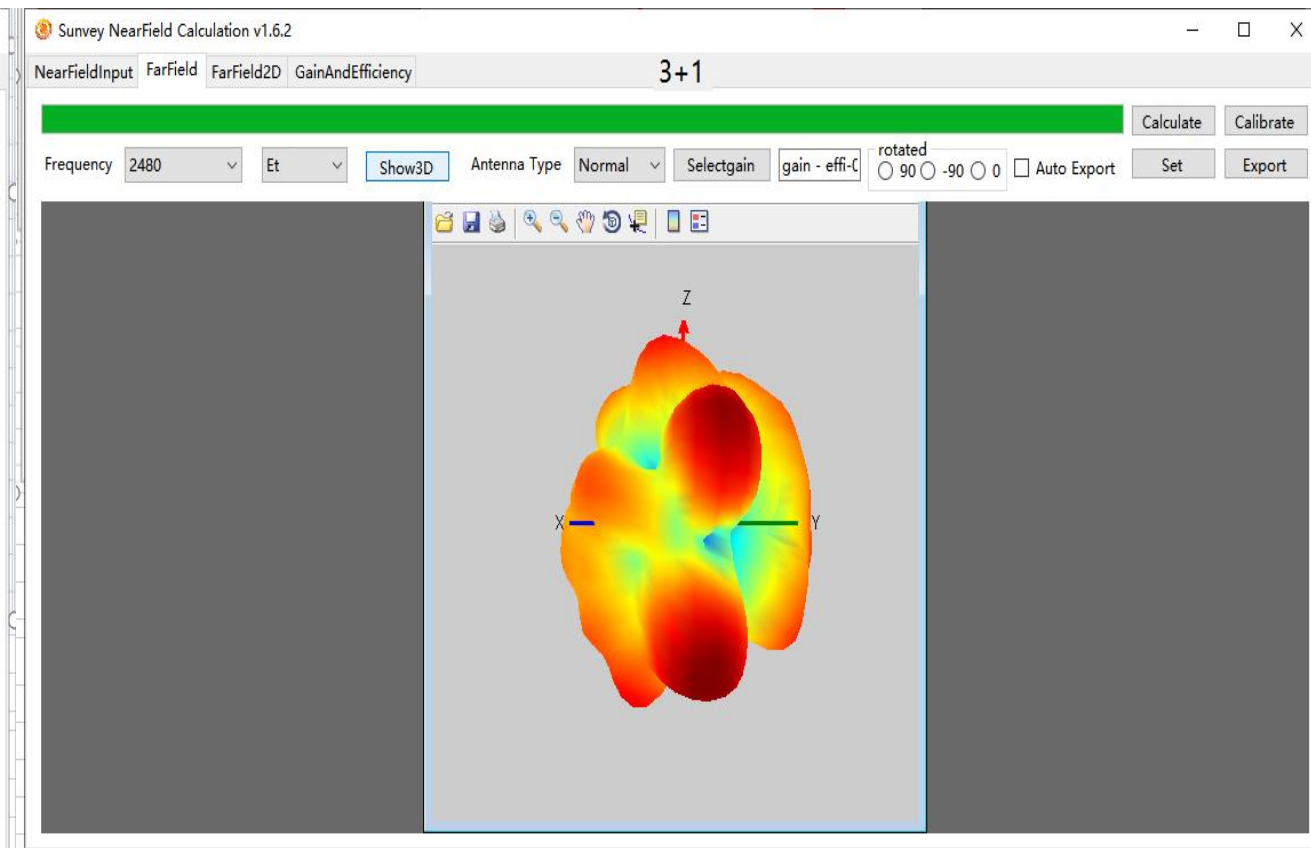
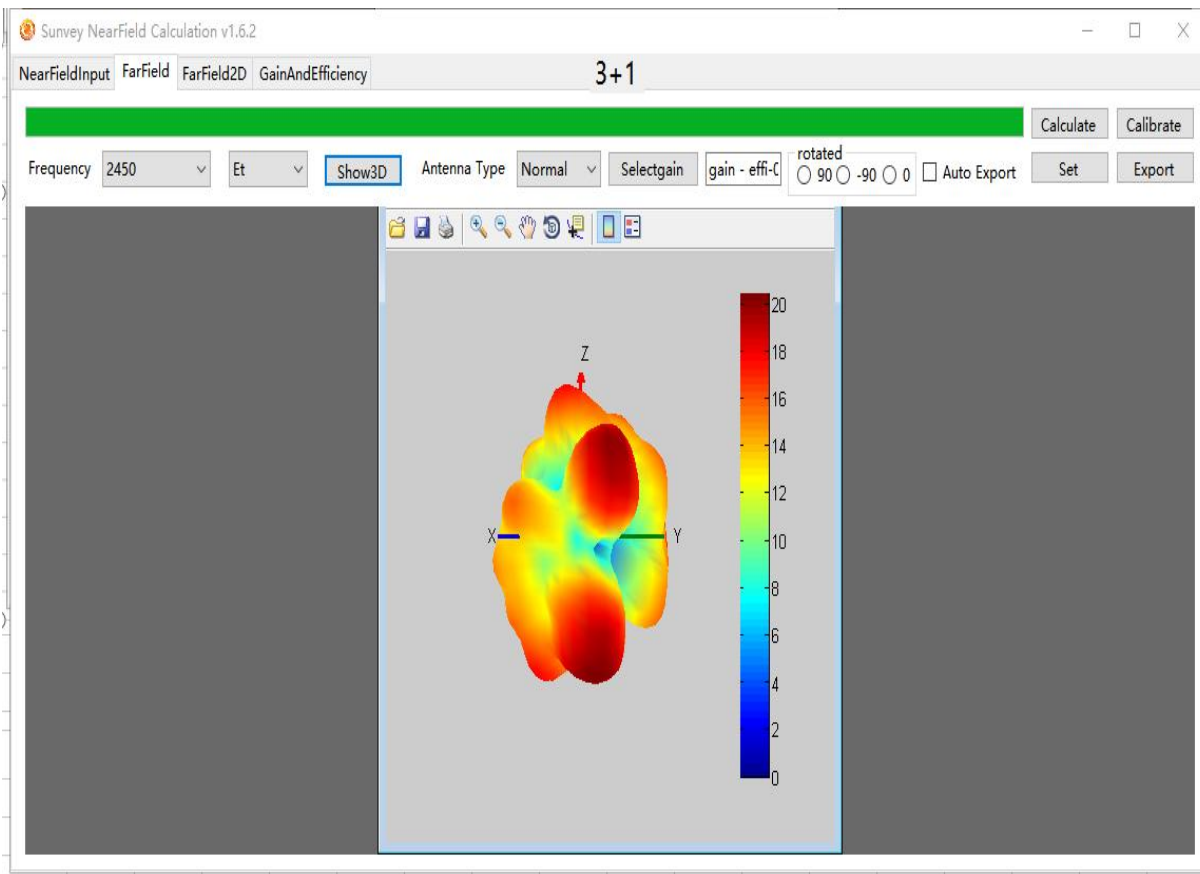
Apple Chart



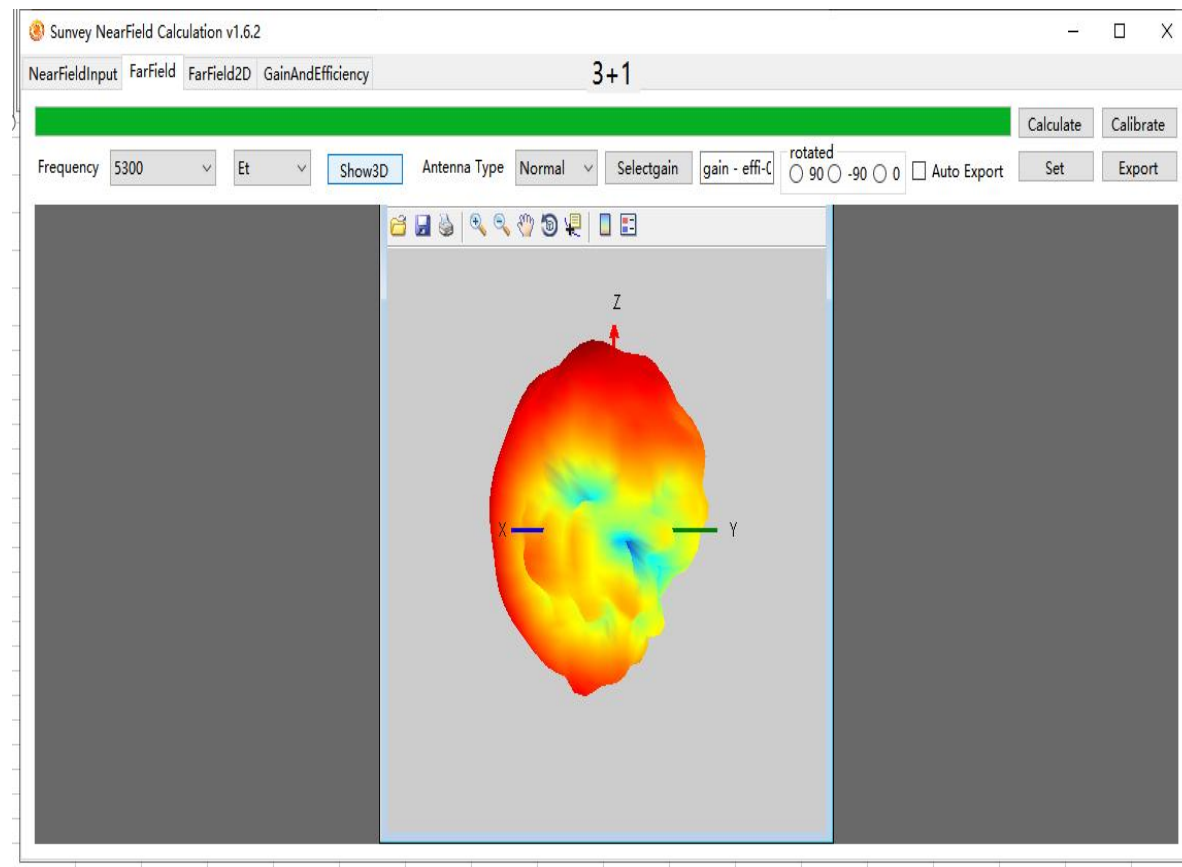
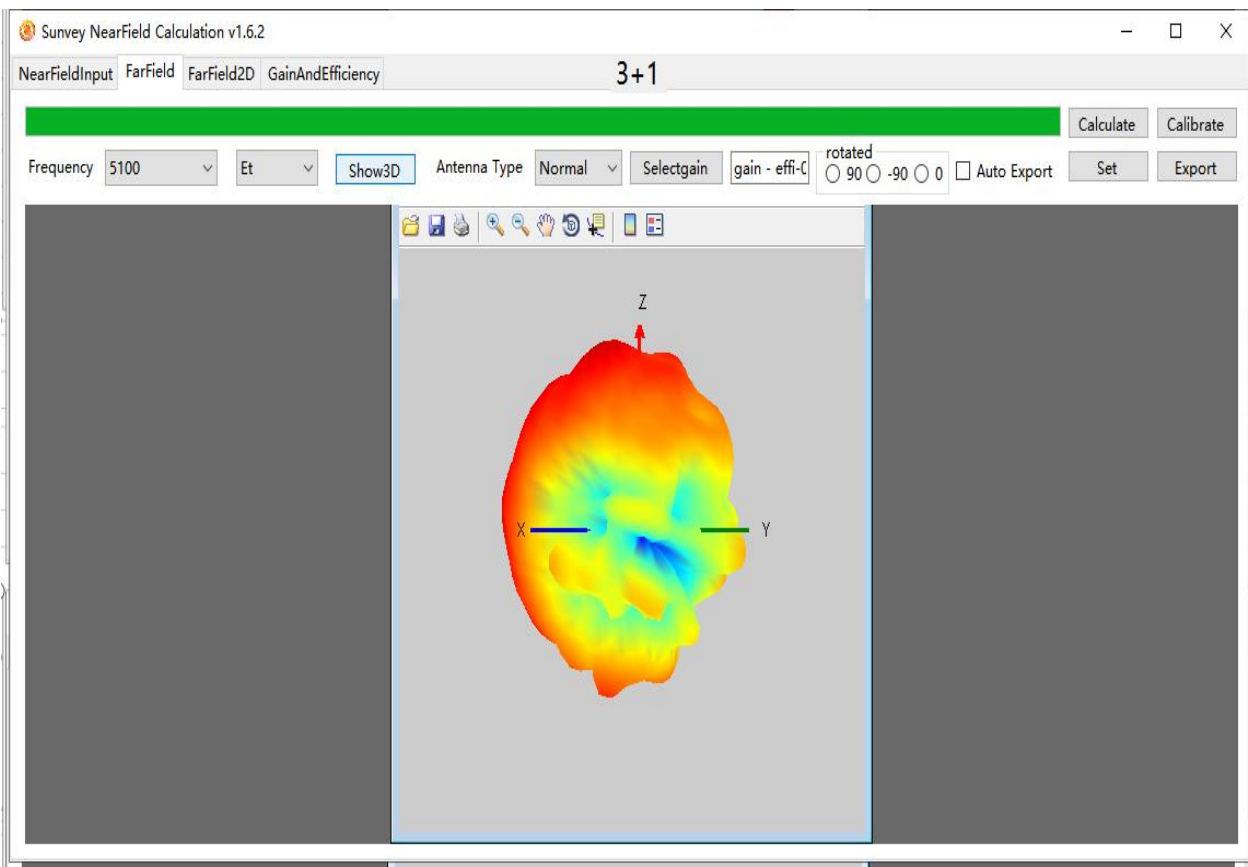
Three-in-one Apple Chart



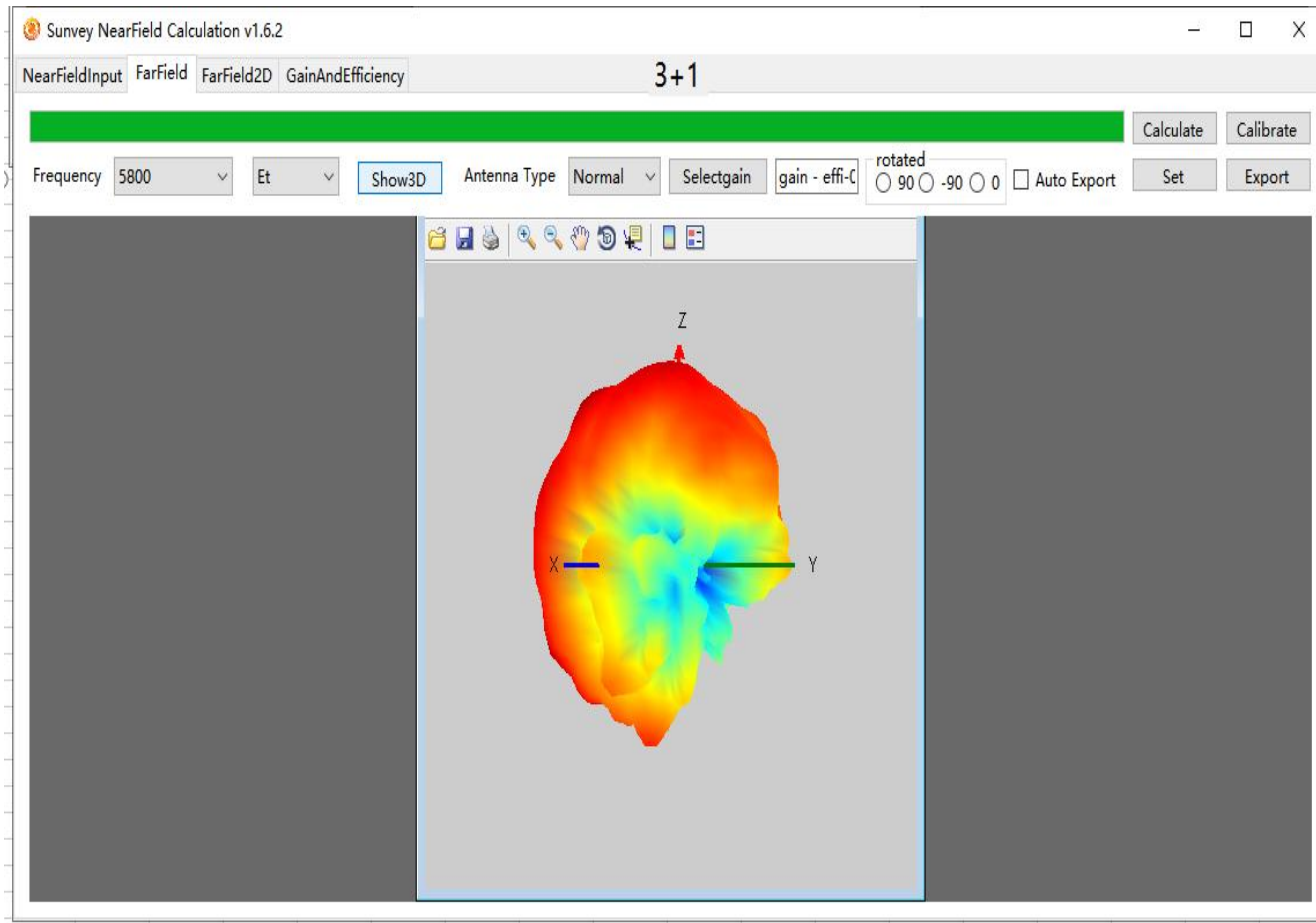
Three-in-one Apple Chart



Three-in-one Apple Chart



Three-in-one Apple Chart



Environmental treatment

Width: 4mm

Length: 23.5mm





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The End

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