

Customers: MengBo

Project name: S6505B

RF engineer: XuLong

Telephone: 15915343126

Report edition: 20230717

S6505B project match



● A Brief Introduction to debugging the project

Plate type	The whole machine						
Antenna Overview	The main antenna	Frequency band		Antenna status	Antenn a form	Design area	Match the changes
		2G	G2/3/5/8/W2/4/5/8	Gold-plated FPC	PIFA	The bottom of the phone	YES
		3G					
		4G	2/4/5/7/28AB/38/66				
		5G	N/A				
	Other antennas	BT/WIFI	2.4G	Gold-plated FPC	PIFA	Top of the phone	No
		GPS	1575.42MHZ				No
		Diversity	N/A	Gold-plated FPC	PIFA	Top of the phone	No
Prototype status	S6505BDebugging machine		Environmental treatment				

ANWEI ANT TRP&TIS parameter Summary of S6505B						
BAND	GSM900			DCS1800		
CHANNEL	1	62	124	512	698	885
TRP (dBm)	25.36	25.54	25.12	25.26	25.08	25.03
TIS (dBm)			-102.4			-103.2
BAND	GSM850			PCS1900		
CHANNEL	128	190	251	512	661	810
TRP (dBm)	26.63	26.61	26.53	25.65	25.72	25.46
TIS (dBm)			-103.2			-102.6
BAND	WCDMA850			WCDMA1700		
CHANNEL	4132	4183	4233	1312	1413	1513
TRP (dBm)	15.43	15.59	15.26	18.12	18.17	18.21
TIS (dBm)			-102.3			-102.8
BAND	WCDMA1900			WCDMA900		
CHANNEL	9262	9400	9538	2937	3013	3088
TRP (dBm)	16.36	16.25	16.75	15.35	15.12	14.62
TIS (dBm)			-103.6			-102.5

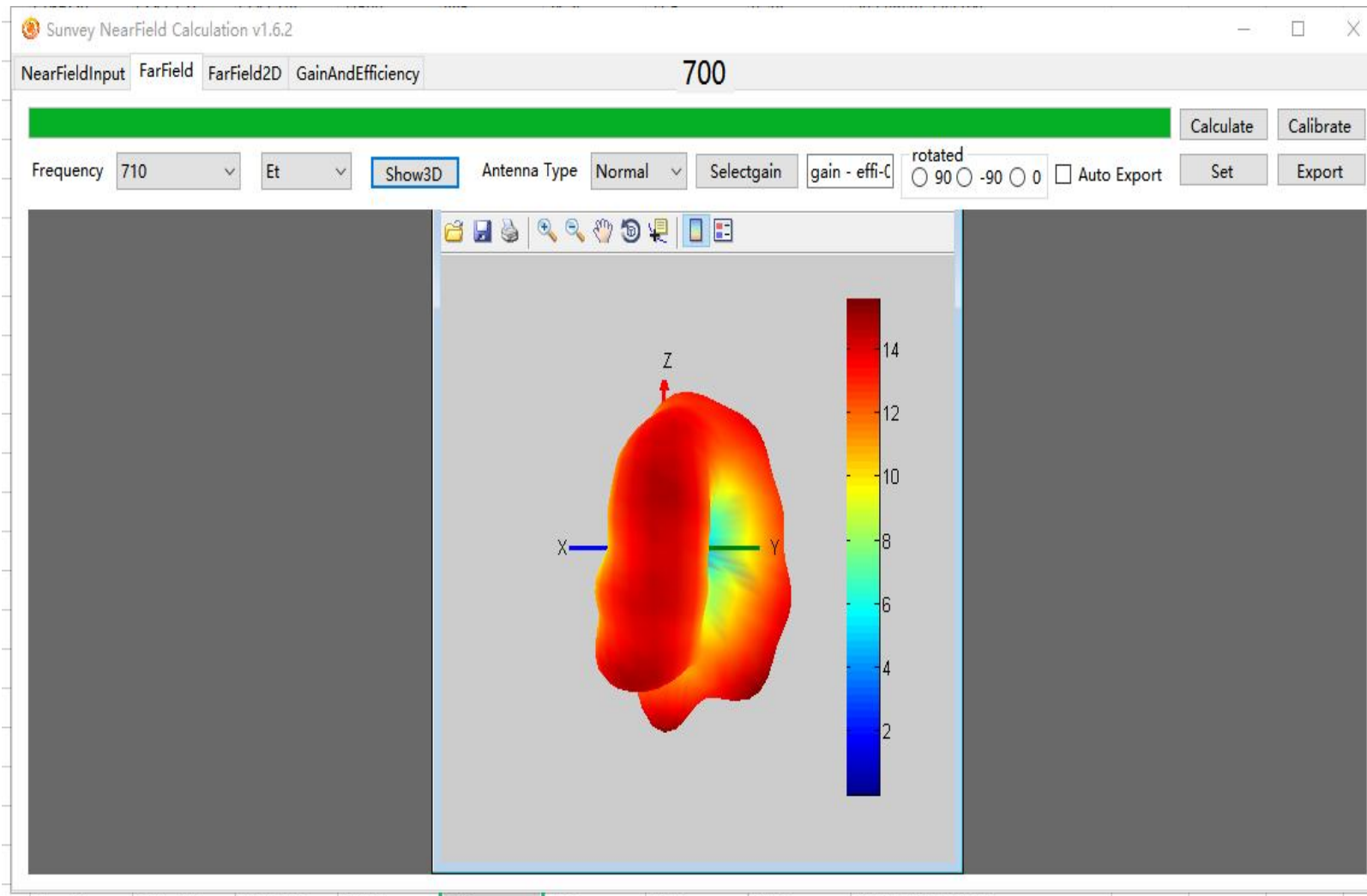
ANWEI ANT TRP&TIS parameter Summary of S6505B						
BAND	FDD-2			FDD-3		
CHANNEL	18650	18900	19150	19250	19575	19900
TRP (dBm)	17.46	16.43	16.62			
TIS (dBm)			-91.29			
BAND	FDD-4			FDD-5		
CHANNEL	20000	20175	20350	20450	20525	20600
TRP (dBm)	17.32	17.49	17.52	15.49	15.36	15.27
TIS (dBm)			-92.23			-91.23
BAND	FDD-7			FDD-12		
CHANNEL	20800	21100	21400	23060	23095	23130
TRP (dBm)	16.68	16.54	16.35			
TIS (dBm)			-91.41			
BAND	FDD-13			FDD-17		
CHANNEL		23230		23780	23790	23800
TRP (dBm)						
TIS (dBm)						

ANWEI ANT TRP&TIS parameter Summary of S6505B						
BAND	FDD-26			FDD-28A		
CHANNEL	26740	26865	26990	27260	27370	27469
TRP (dBm)				15.36	15.69	16.19
TIS (dBm)						-90.35
BAND	FDD-28B			TDD-38		
CHANNEL	27410	27510	27600	37850	38000	38150
TRP (dBm)	16.17	16.31	16.75	16.35	15.13	15.03
TIS (dBm)			-90.42			-91.15
BAND	FDD-66					
CHANNEL	132022	132322	132622			
TRP (dBm)	16.61	16.59	16.48			
TIS (dBm)			-91.45			
BAND						
CHANNEL						
TRP (dBm)						
TIS (dBm)						

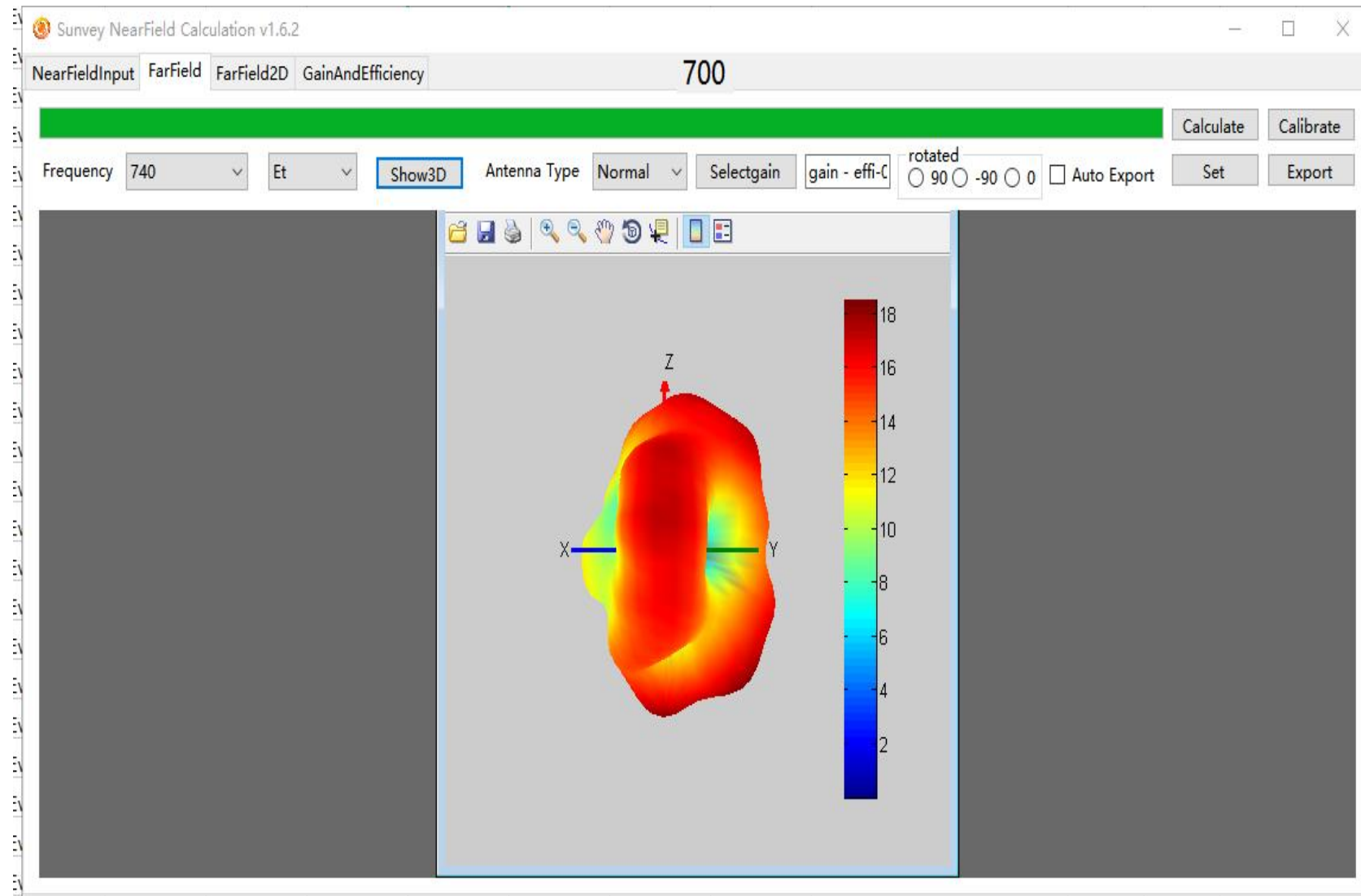
Antenna gain

Antenna Gain for all frequencies (including coaxial cable/diplexer loss) TX Band				
Gain (dBi)				
System Band	Low	Mid	High	Average
GSM 850	-0.56	-0.58	-0.62	-0.87
GSM 900	-0.53	-0.56	-0.57	-0.82
GSM 1800	-0.36	-0.42	-0.51	-0.62
GSM 1900	-0.41	-0.38	-0.39	-0.61
WCDMA B2	-0.39	-0.39	-0.41	-0.60
WCDMA B4	-0.43	-0.42	-0.45	-0.66
WCDMA B5	-0.56	-0.58	-0.62	-0.87
WCDMA B8	-0.53	-0.56	-0.57	-0.86
LTE B2	-0.41	-0.38	-0.39	-0.61
LTE B3	-0.35	-0.45	-0.49	-0.46
LTE B4	-0.43	-0.42	-0.45	-0.66
LTE B5	-0.56	-0.57	-0.63	-0.88
LTE B7	-0.23	-0.54	-0.41	-0.44
LTE B12	-0.59	-0.61	-0.64	-0.60
LTE B13	-0.62	-0.64	-0.61	-0.68
LTE B17	-0.59	-0.62	-0.63	-0.71
LTE 26	-0.39	-0.41	-0.38	-0.58
LTE B28	-0.65	-0.68	-0.65	-0.98
LTE B38	-0.38	-0.41	-0.46	-0.61
LTE B66	-0.36	-0.56	-0.32	-0.52
Bluetooth gain report.				
Bluetooth	-0.57	-0.63	-0.72	-0.68
WLAN	-0.57	-0.63	-0.72	-0.68

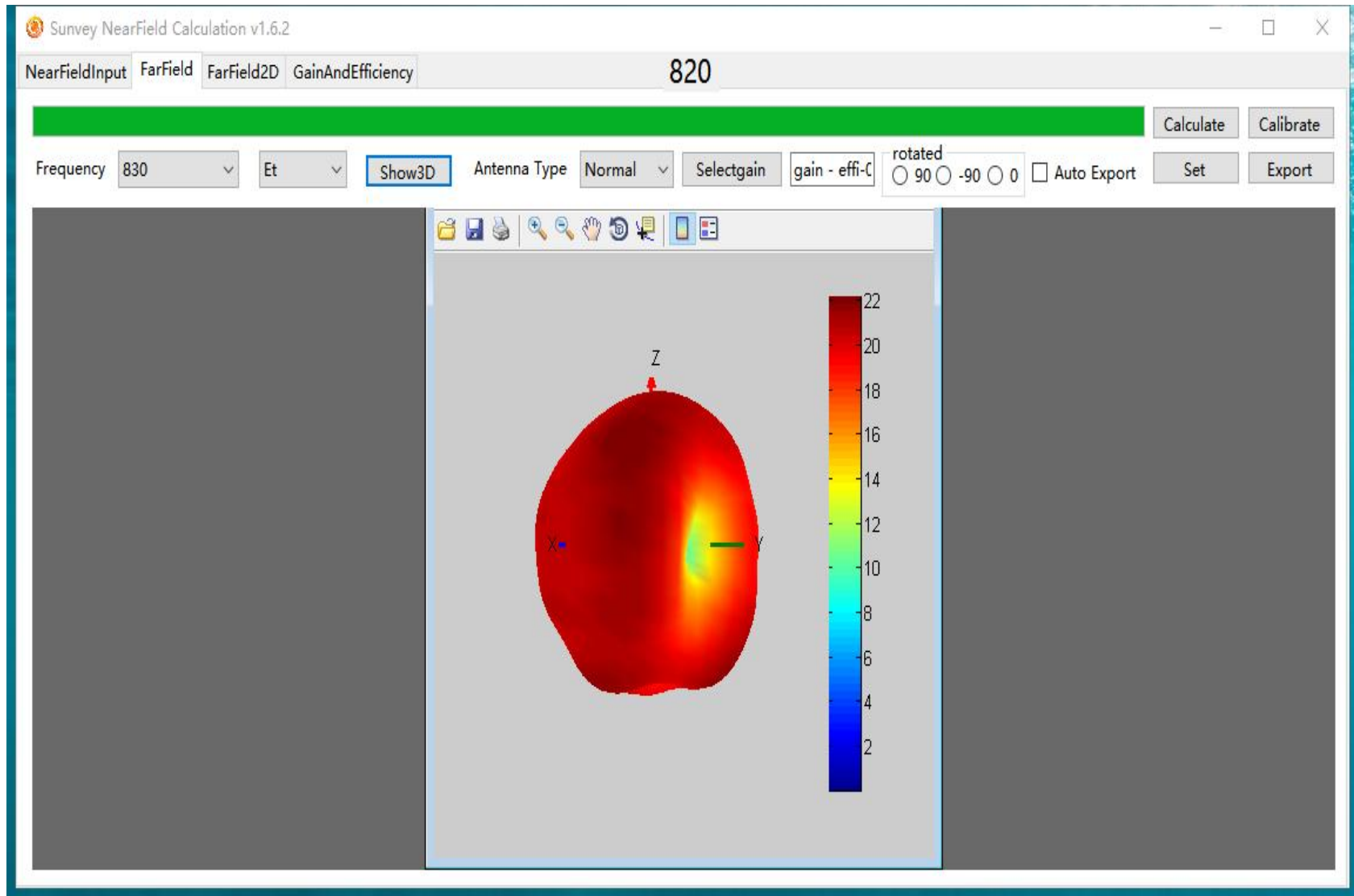
Main antenna apple diagramApple chart



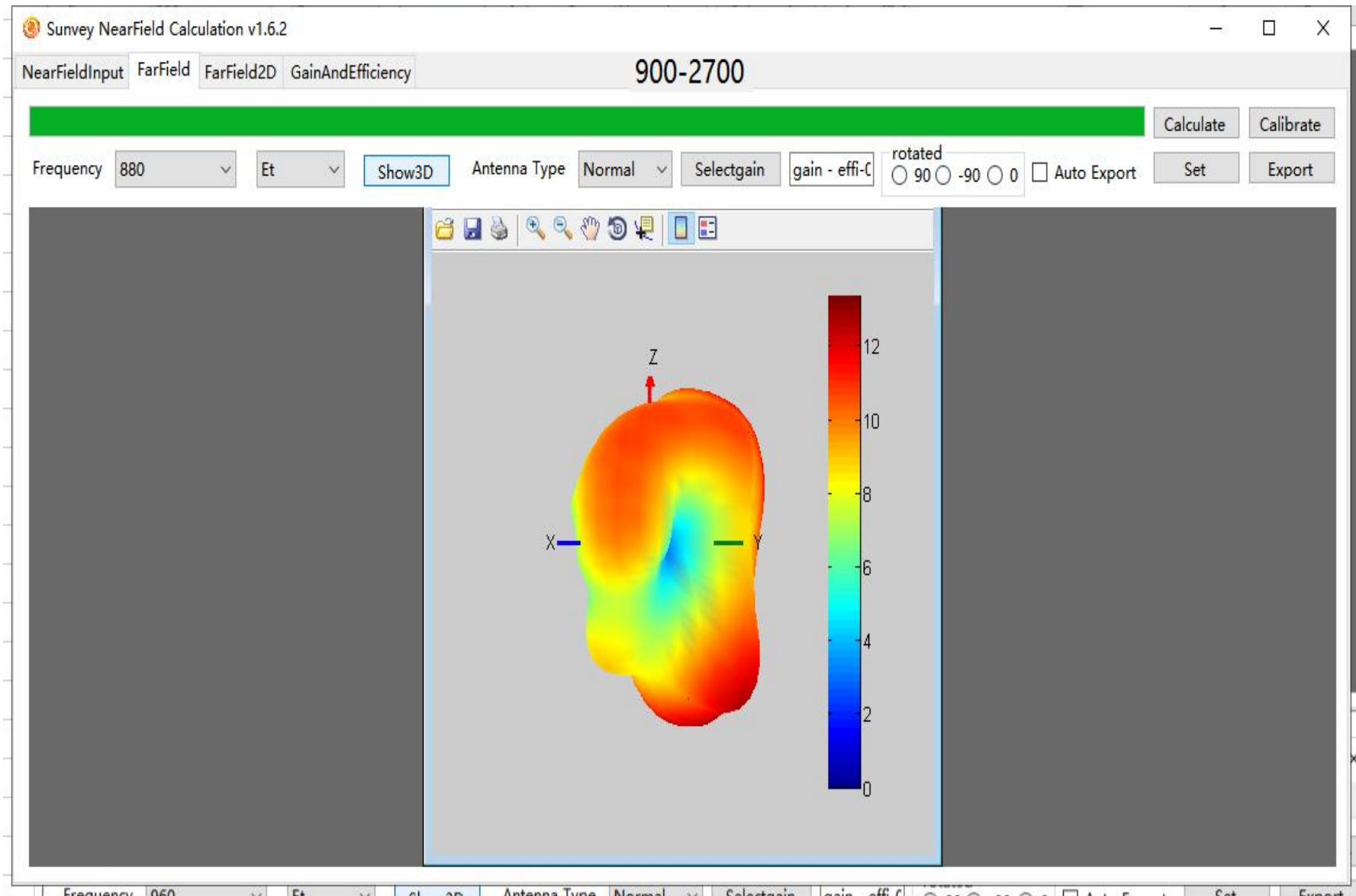
Main antenna apple diagramApple chart



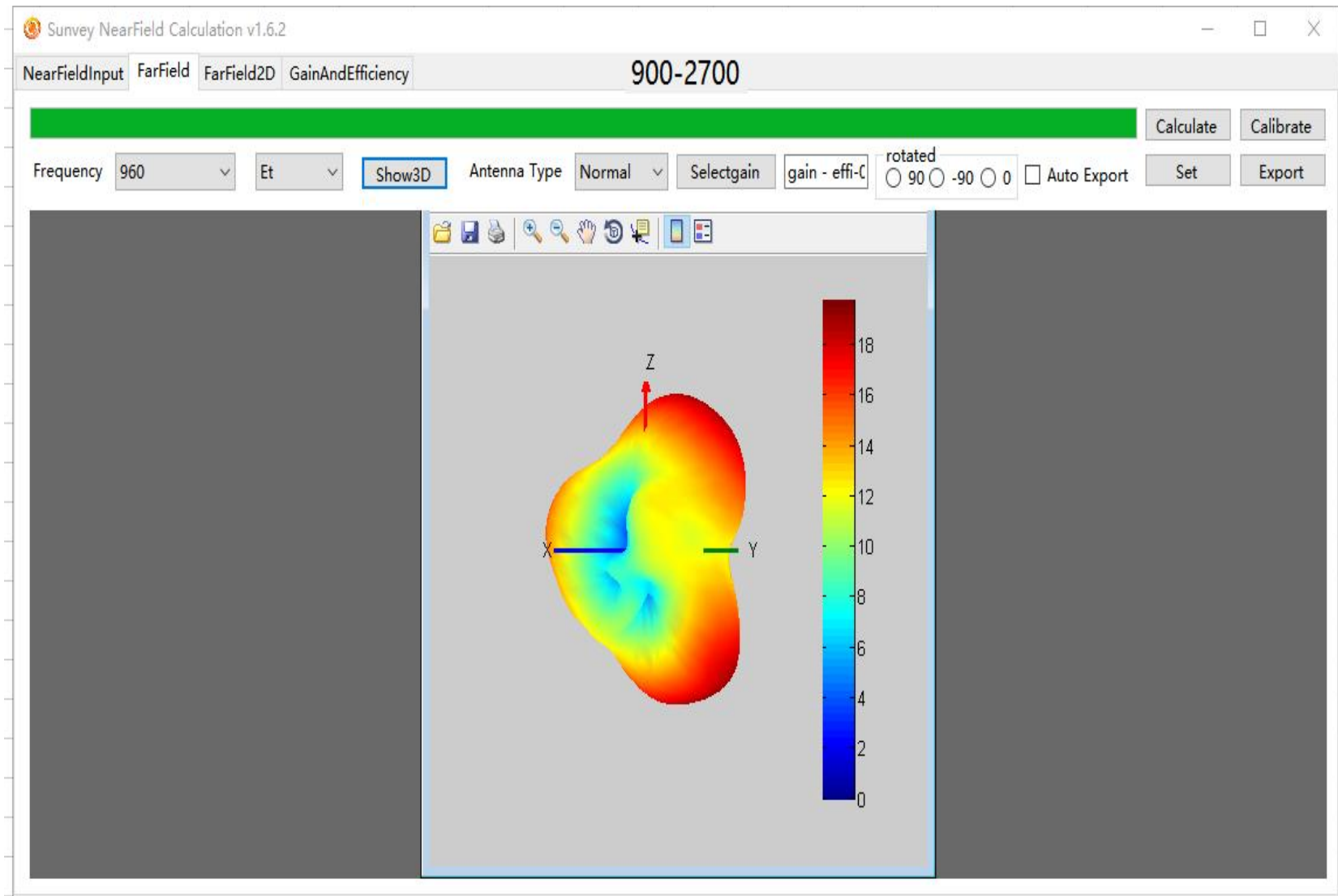
Main antenna apple diagramApple chart



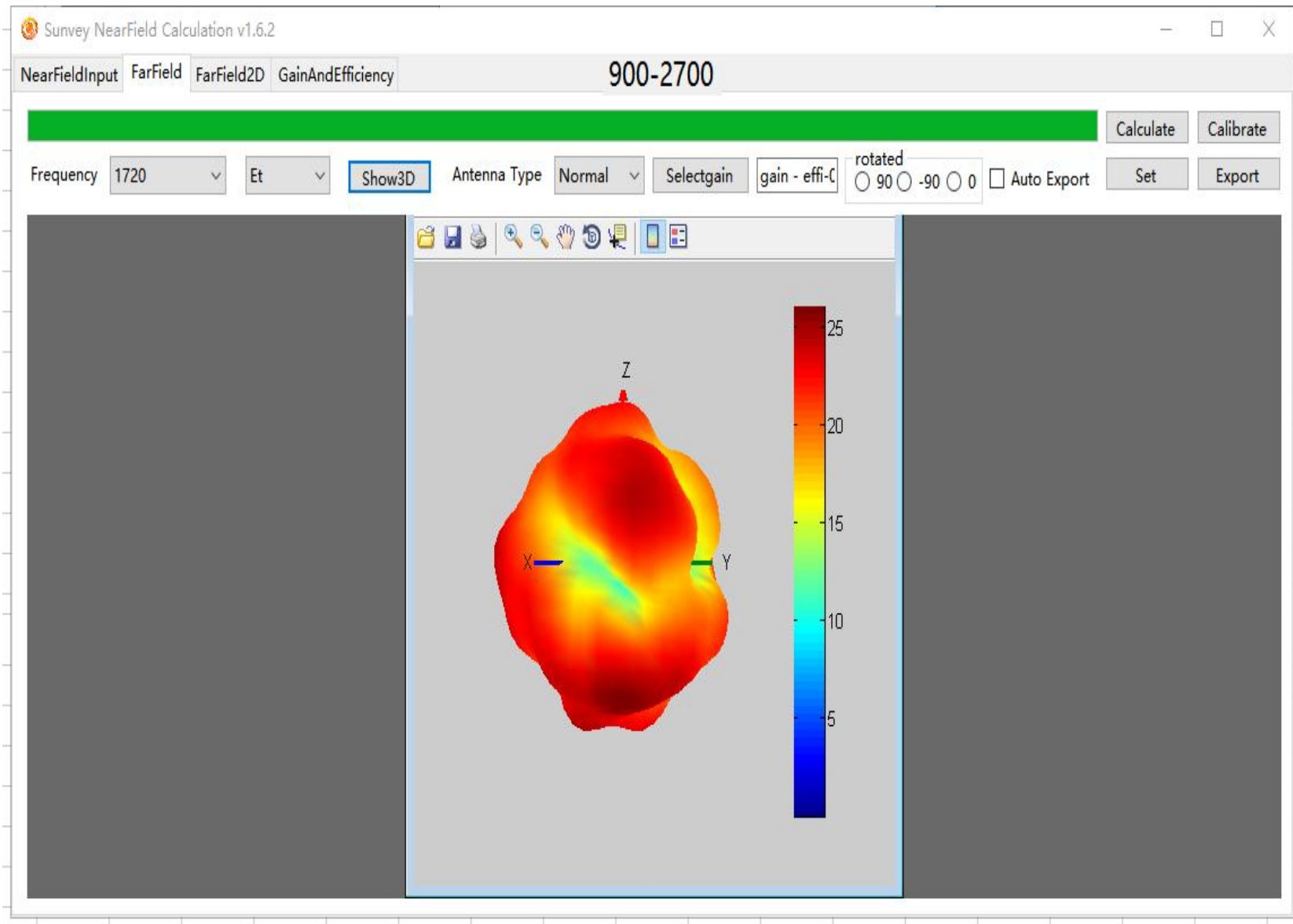
Main antenna apple diagramApple chart



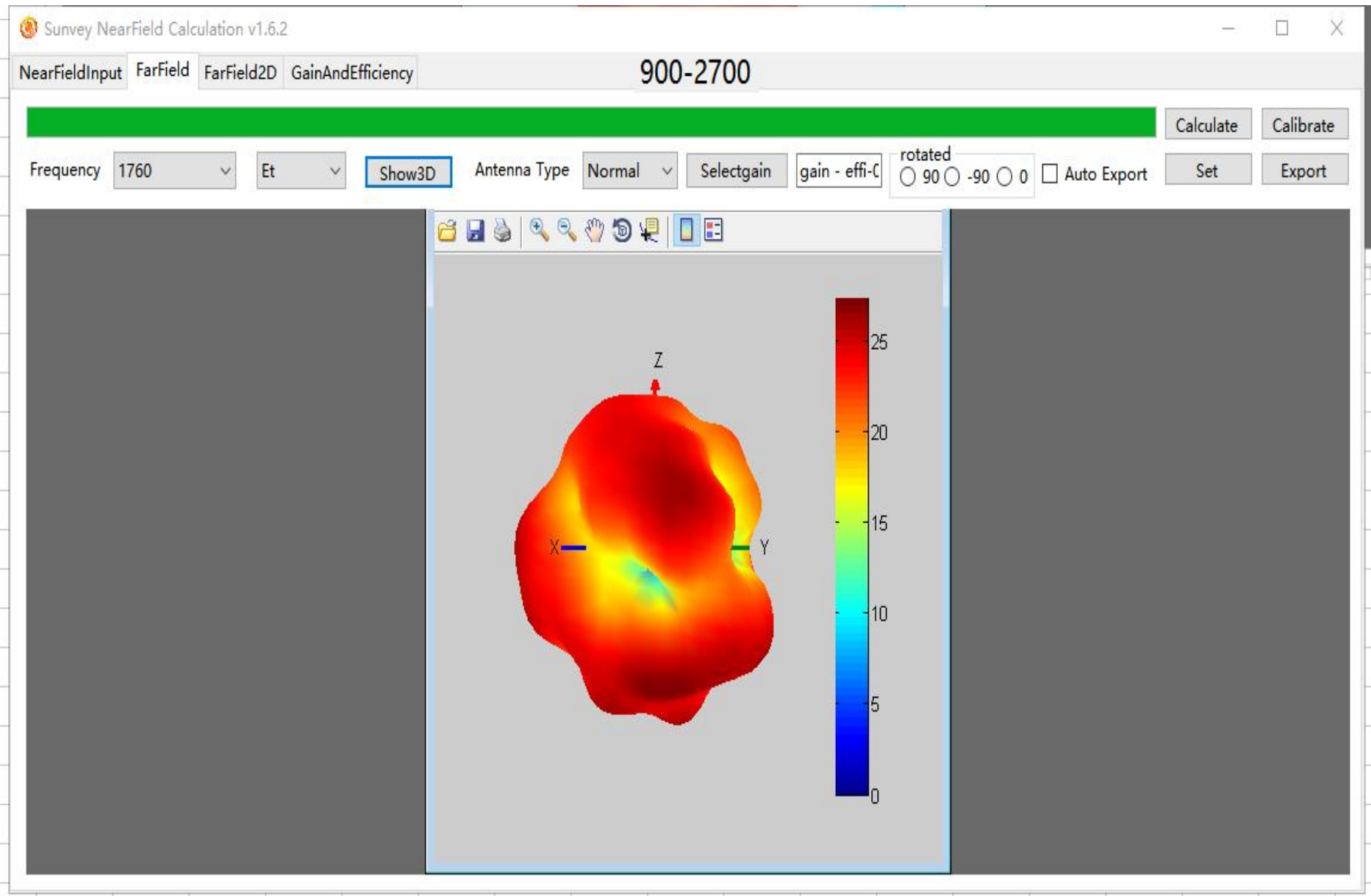
Main antenna apple diagramApple chart



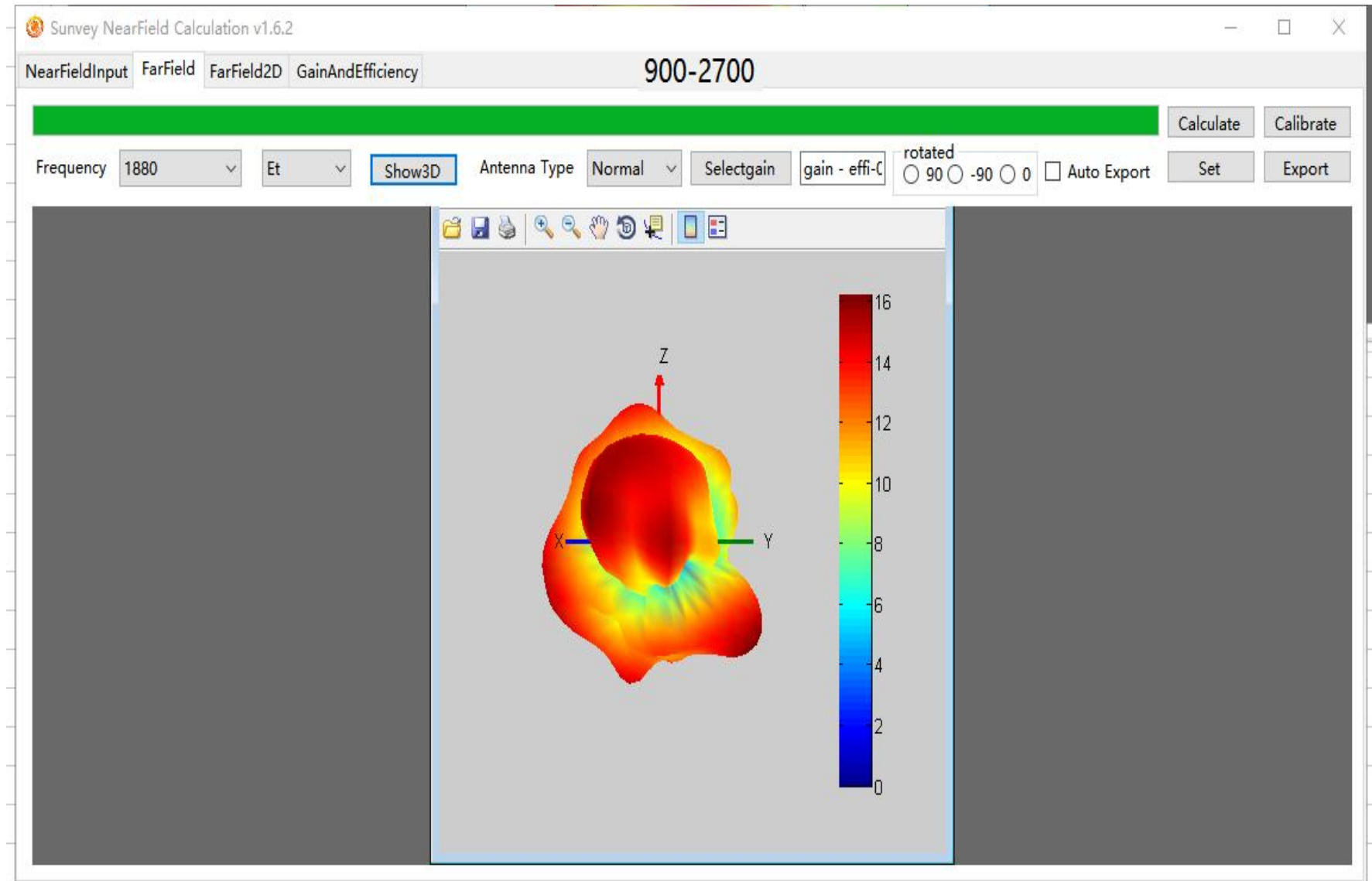
Main antenna apple diagramApple chart



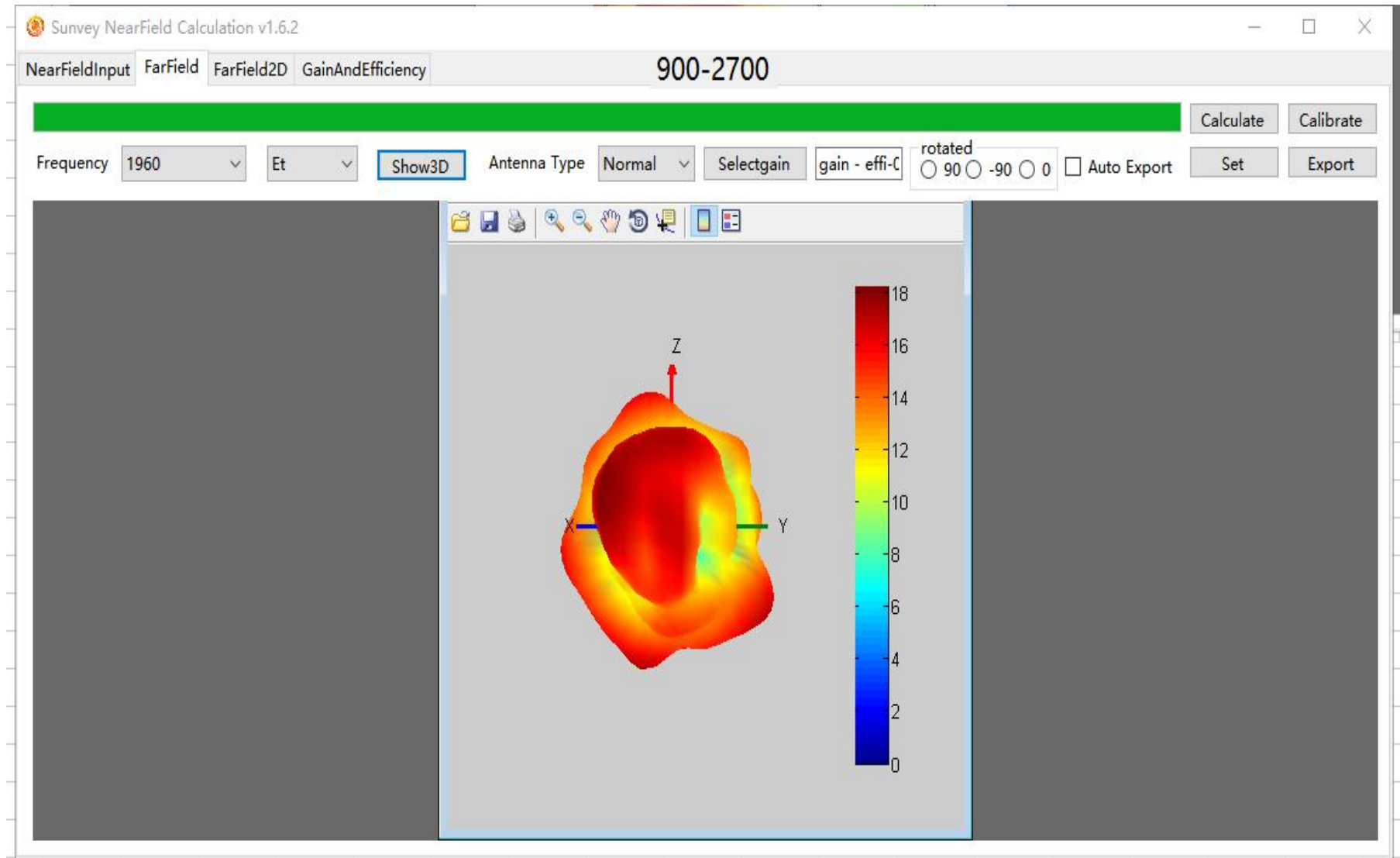
Main antenna apple diagramApple chart



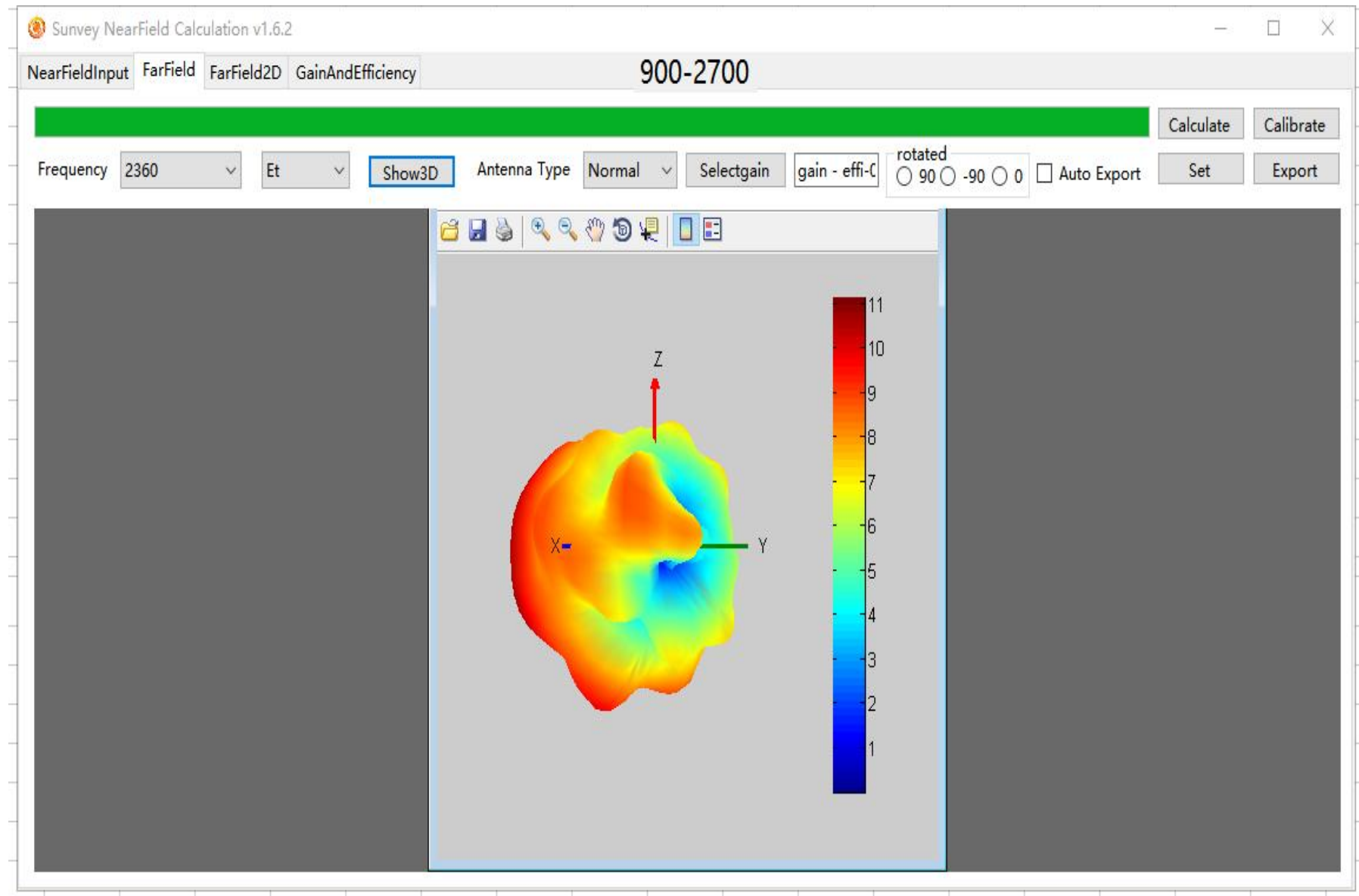
Main antenna apple diagramApple chart



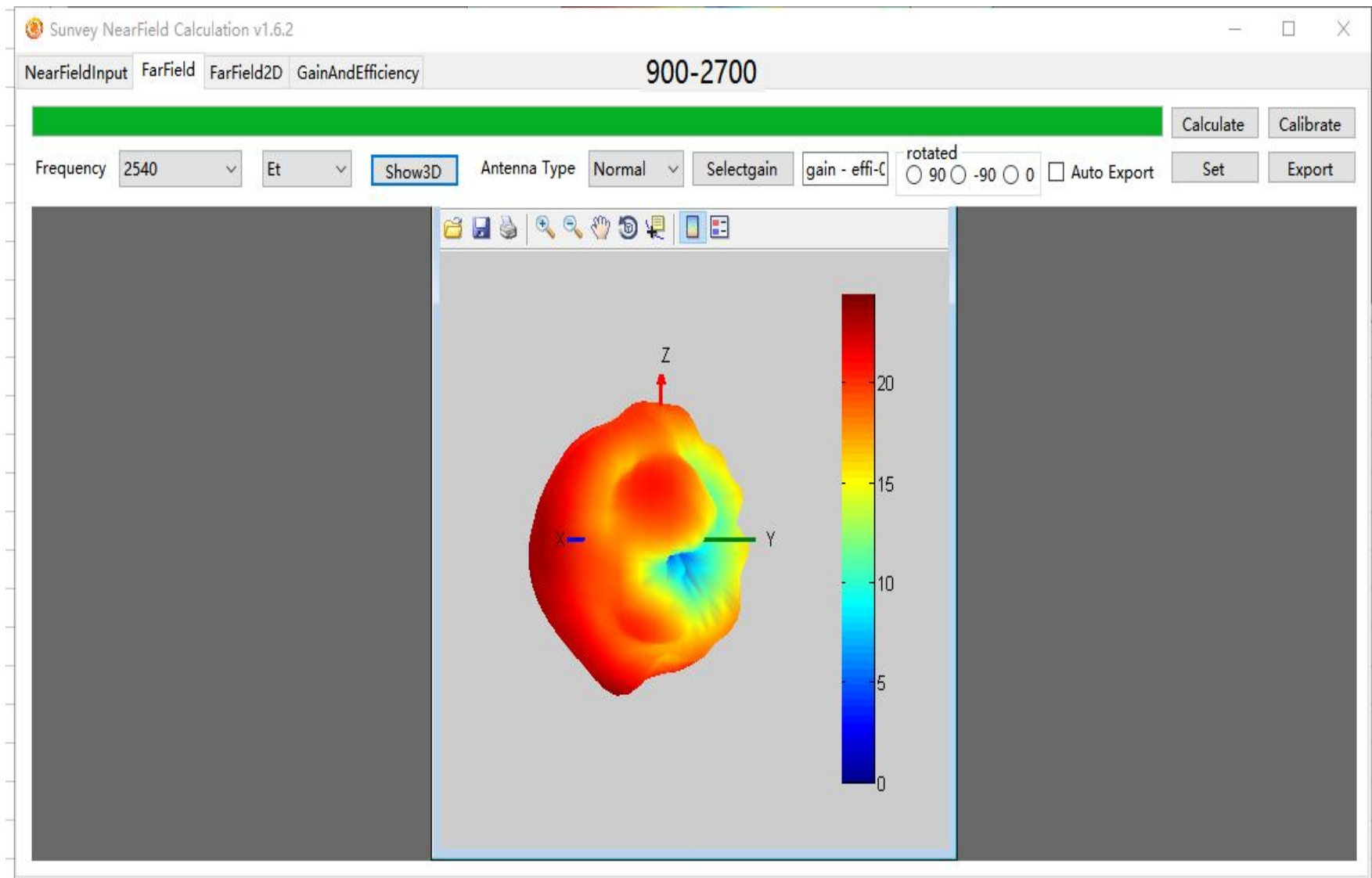
Main antenna apple diagramApple chart



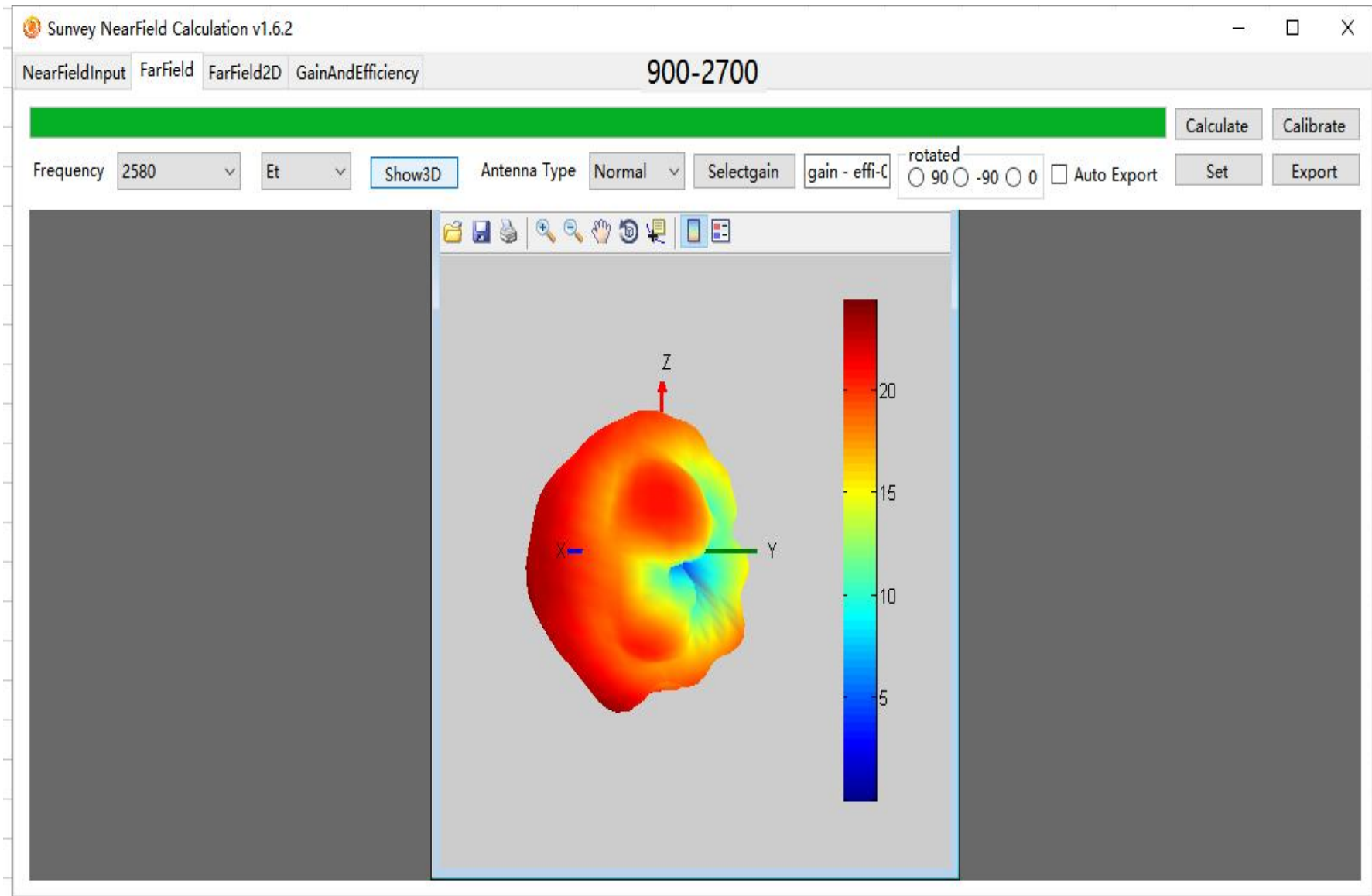
Main antenna apple diagramApple chart



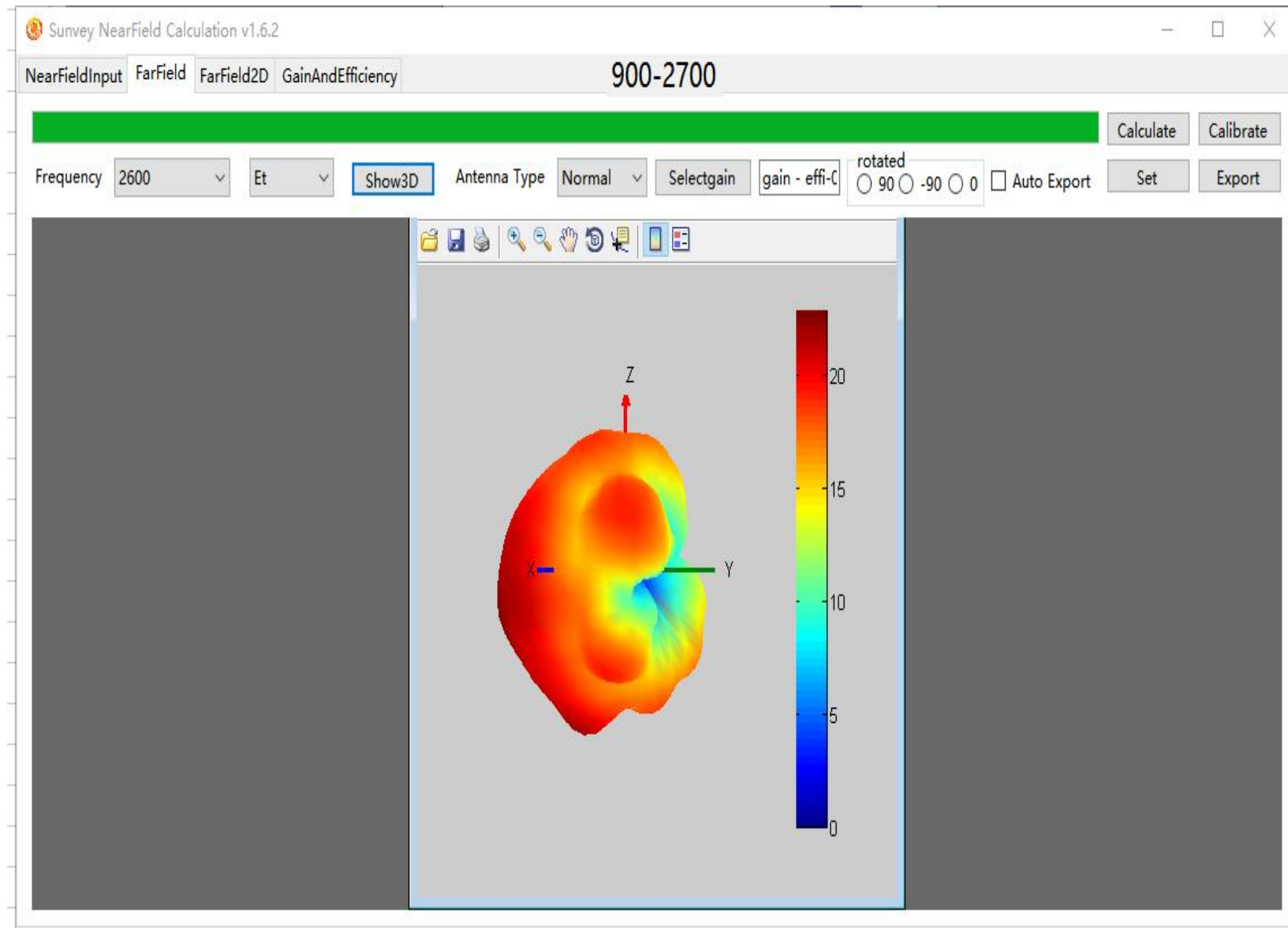
Main antenna apple diagramApple chart



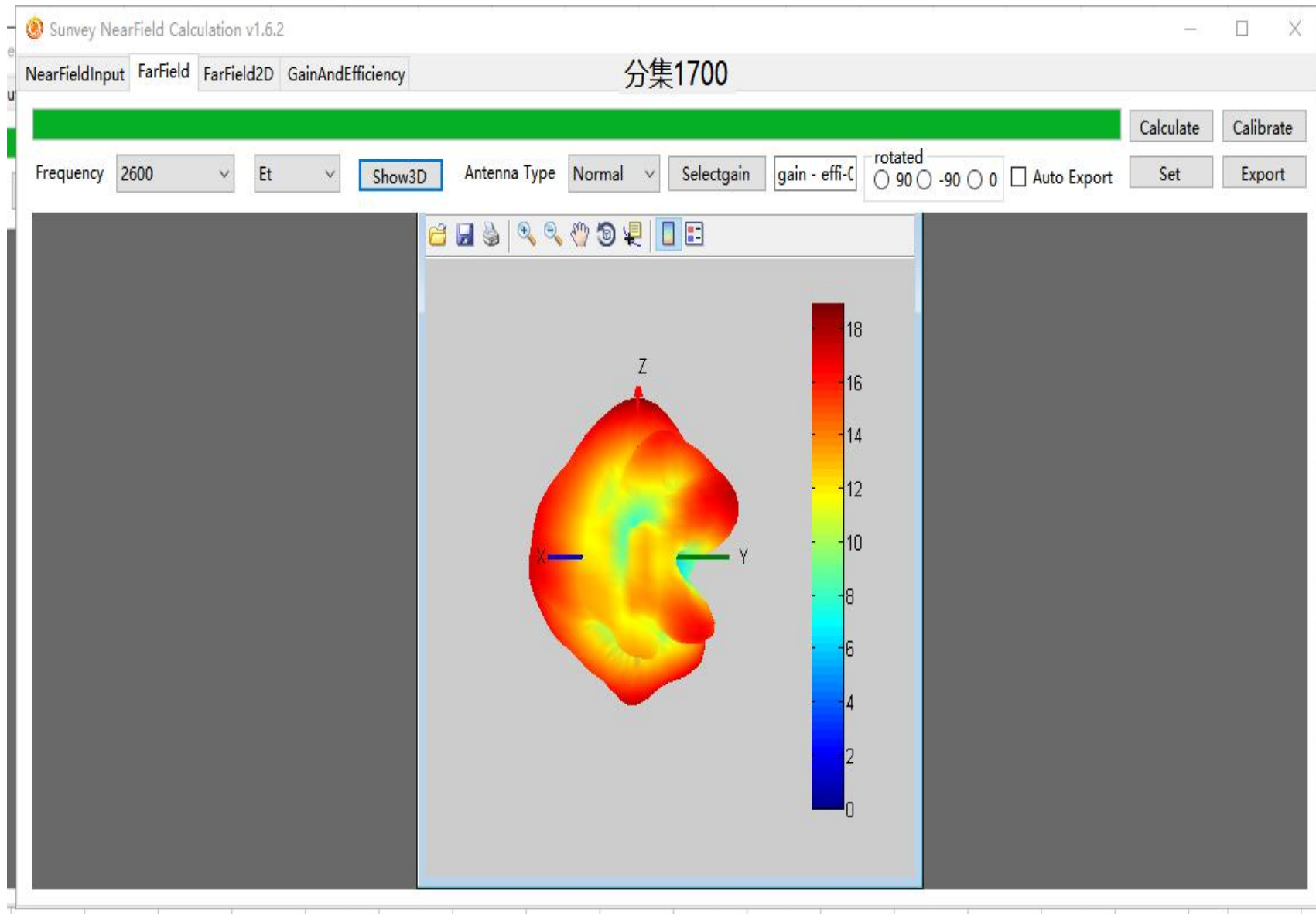
Main antenna apple diagramApple chart



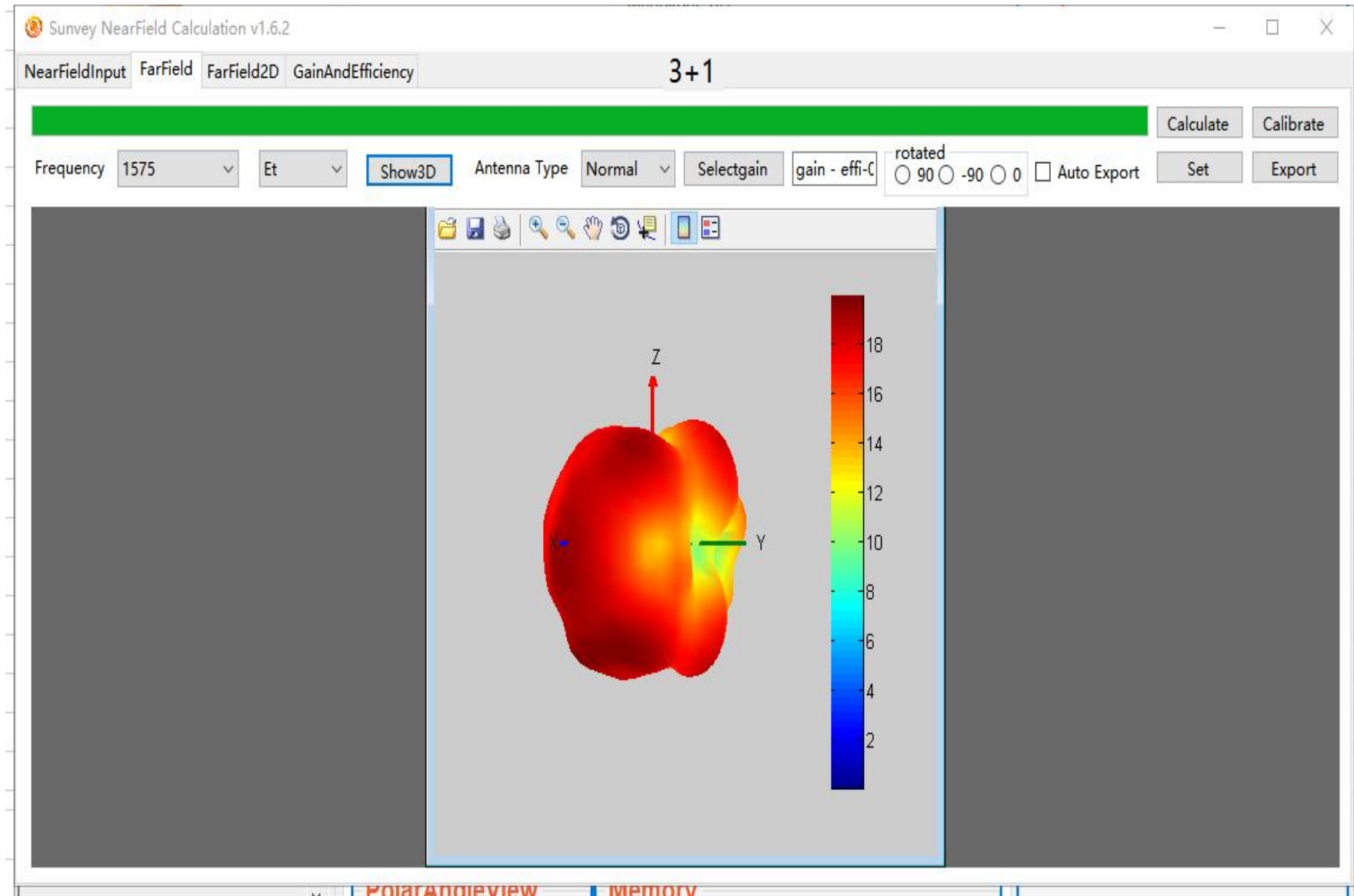
Main antenna apple diagramApple chart



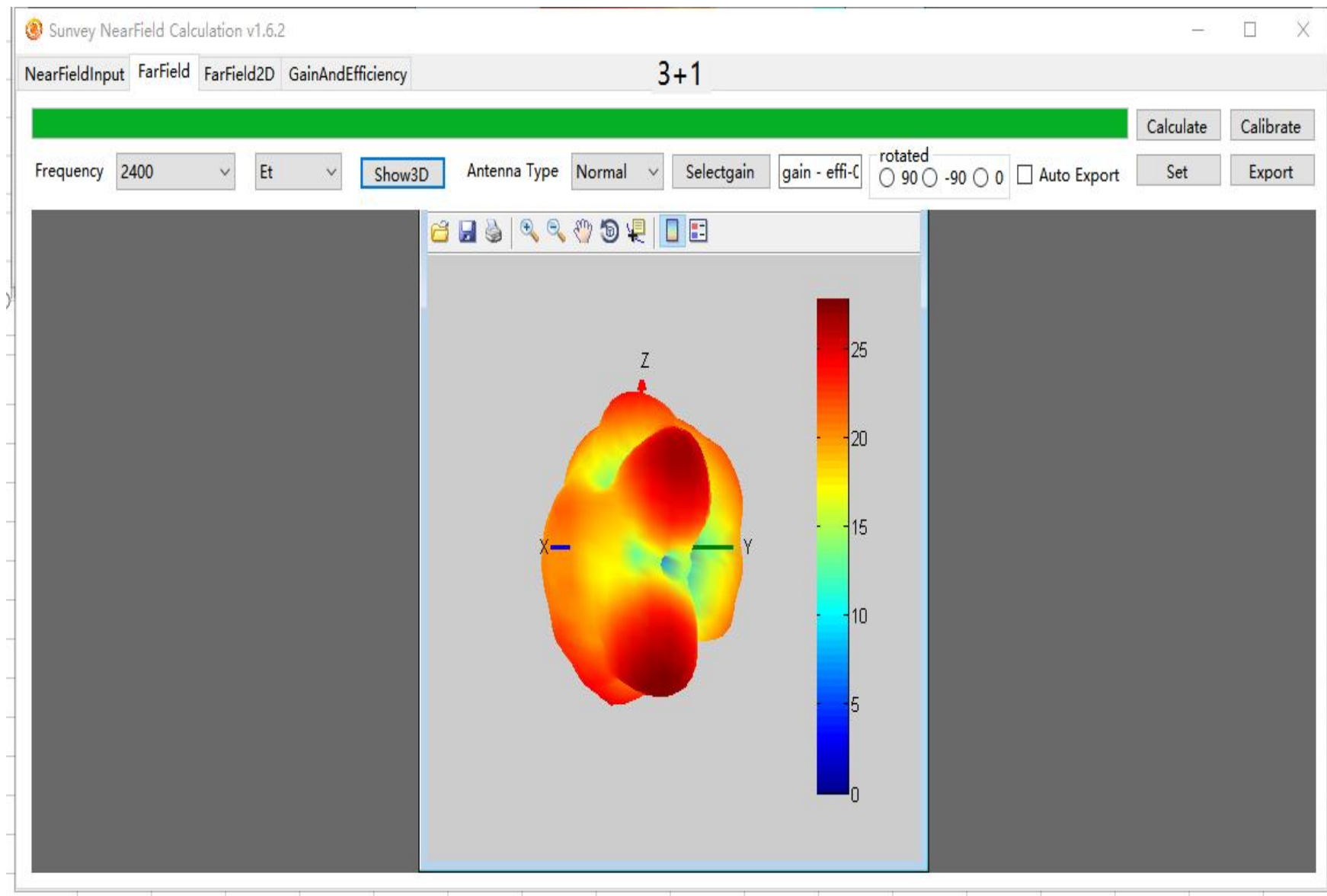
Diversity Antenna Apple diagram



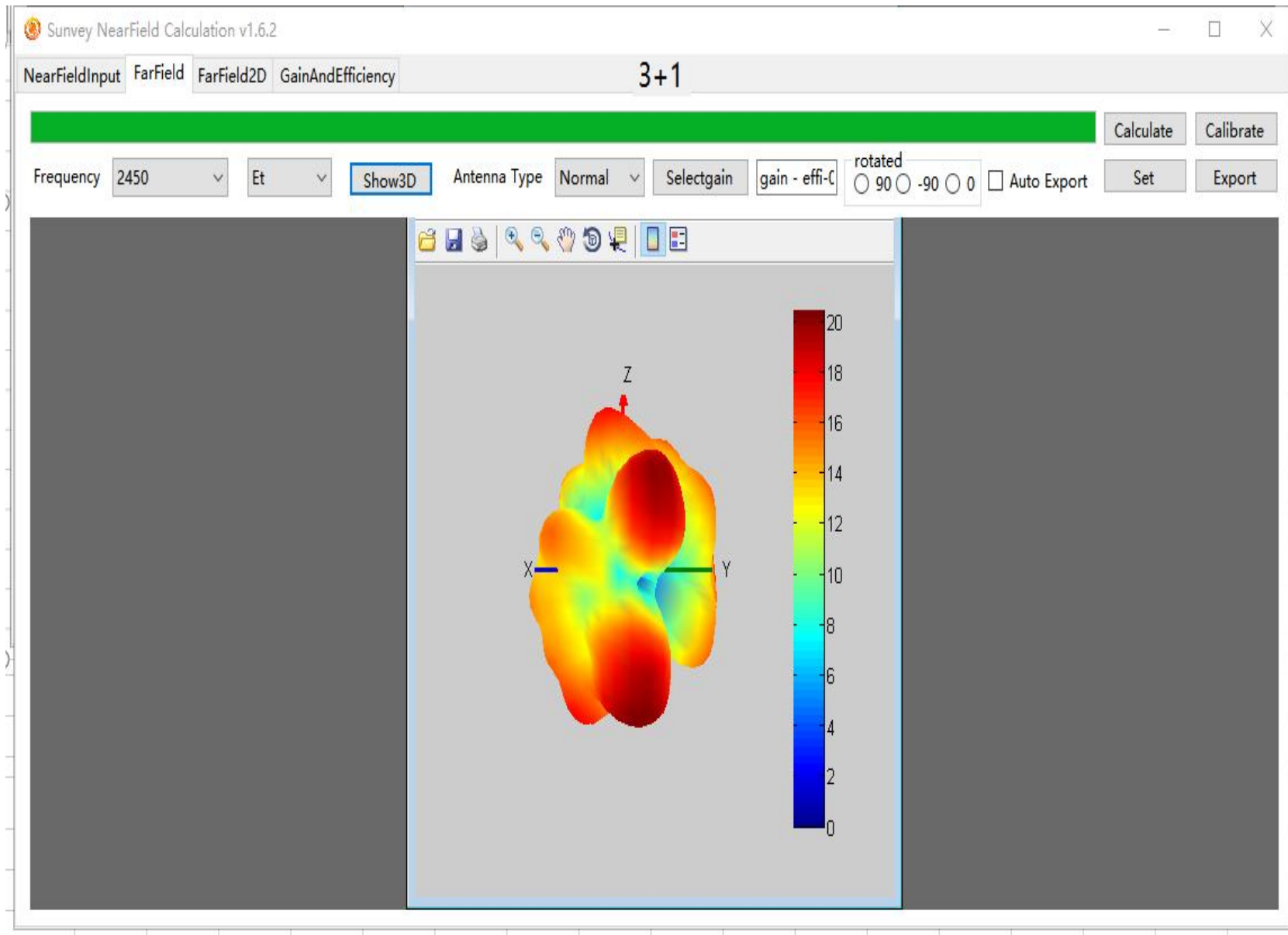
GWB antenna apple diagram



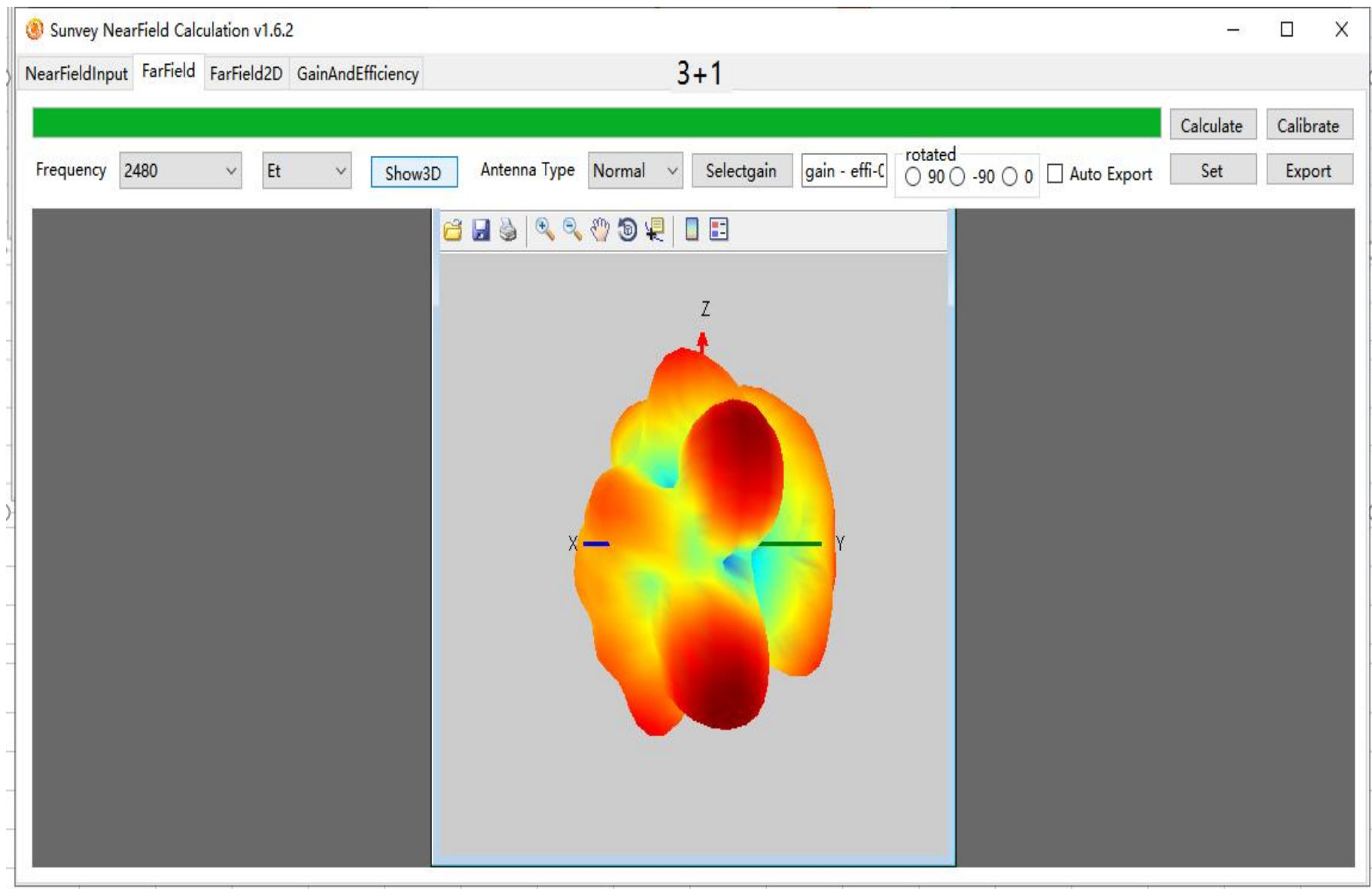
GWB antenna apple diagram



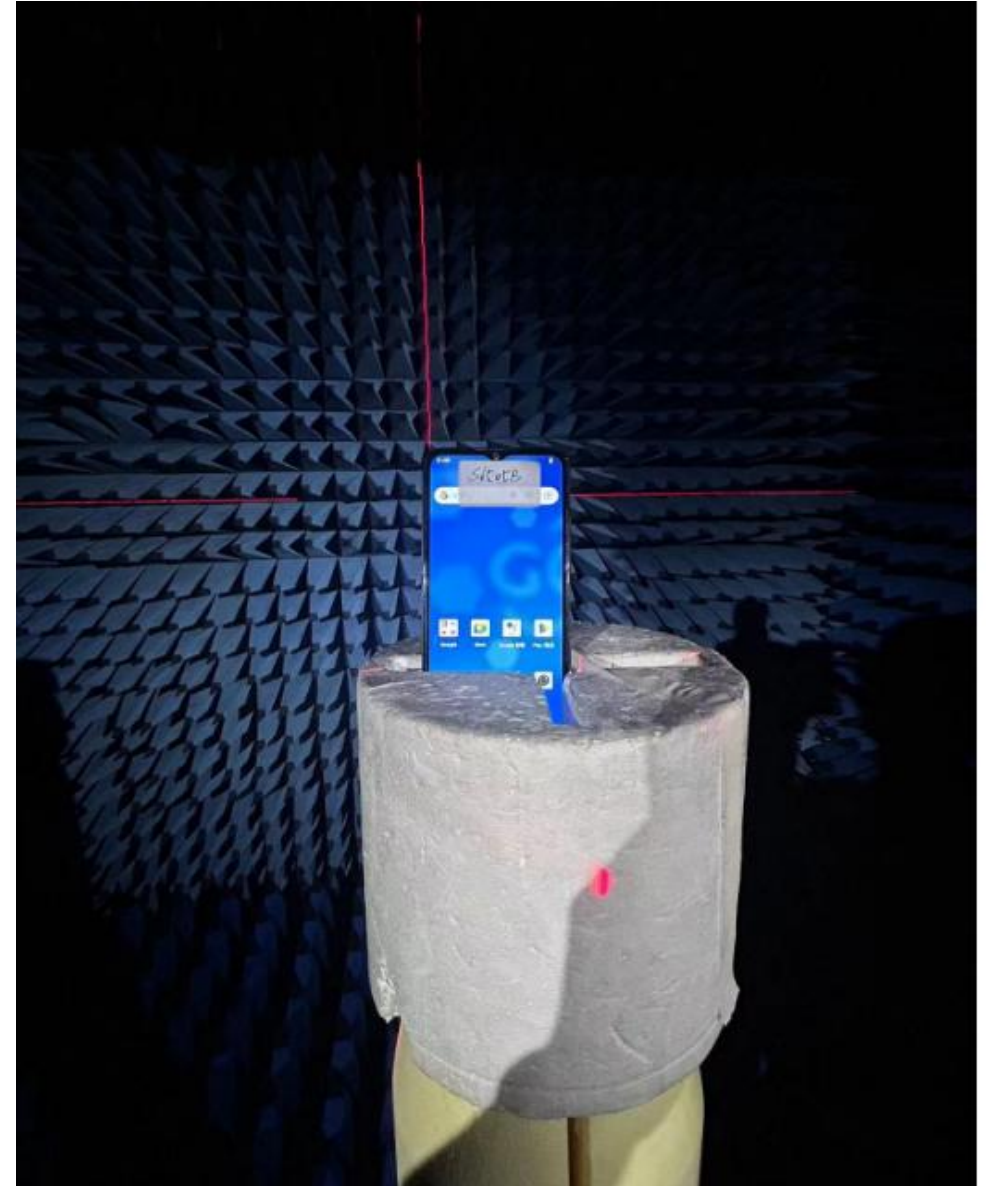
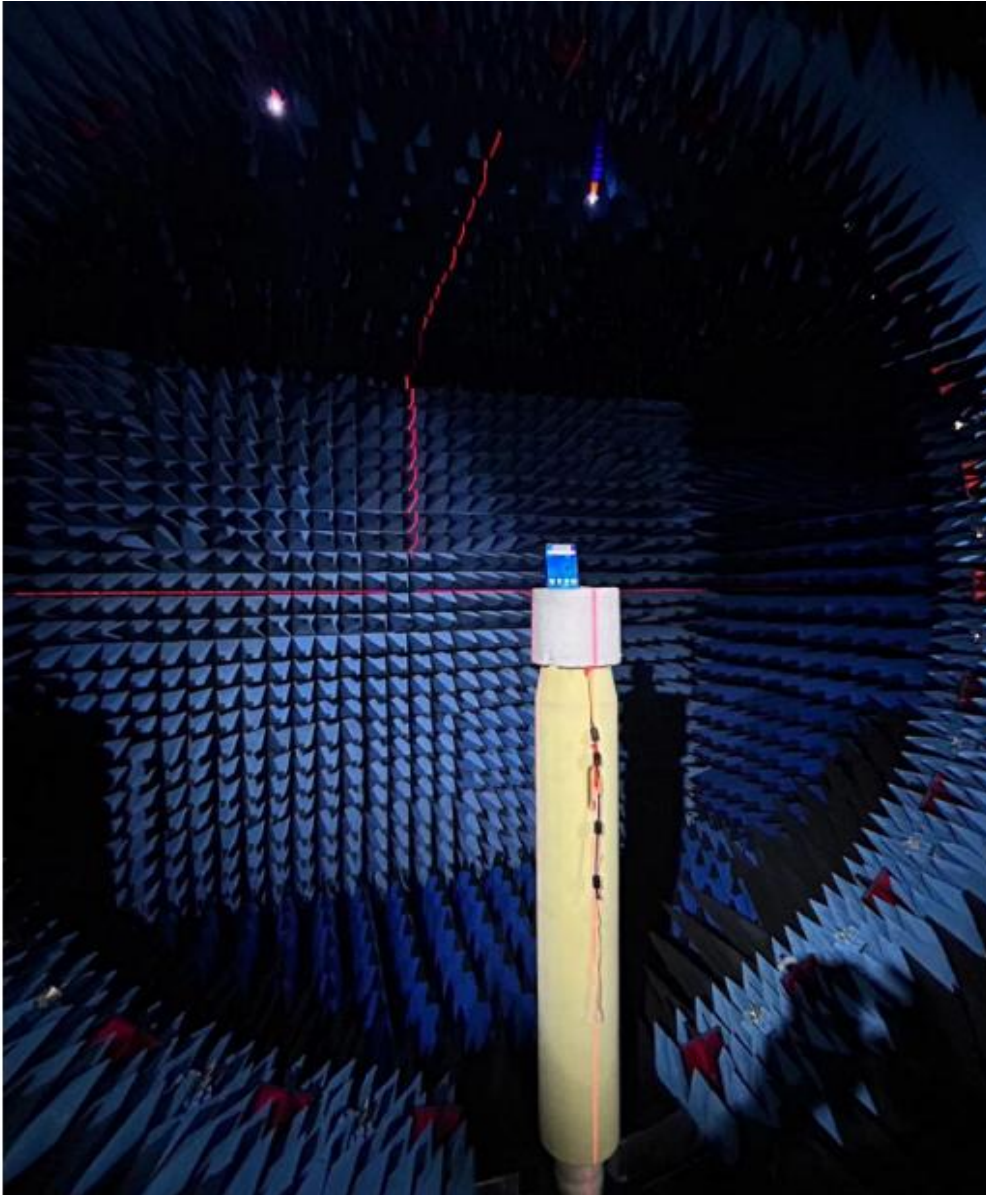
GWB antenna apple diagram



GWB antenna apple diagram

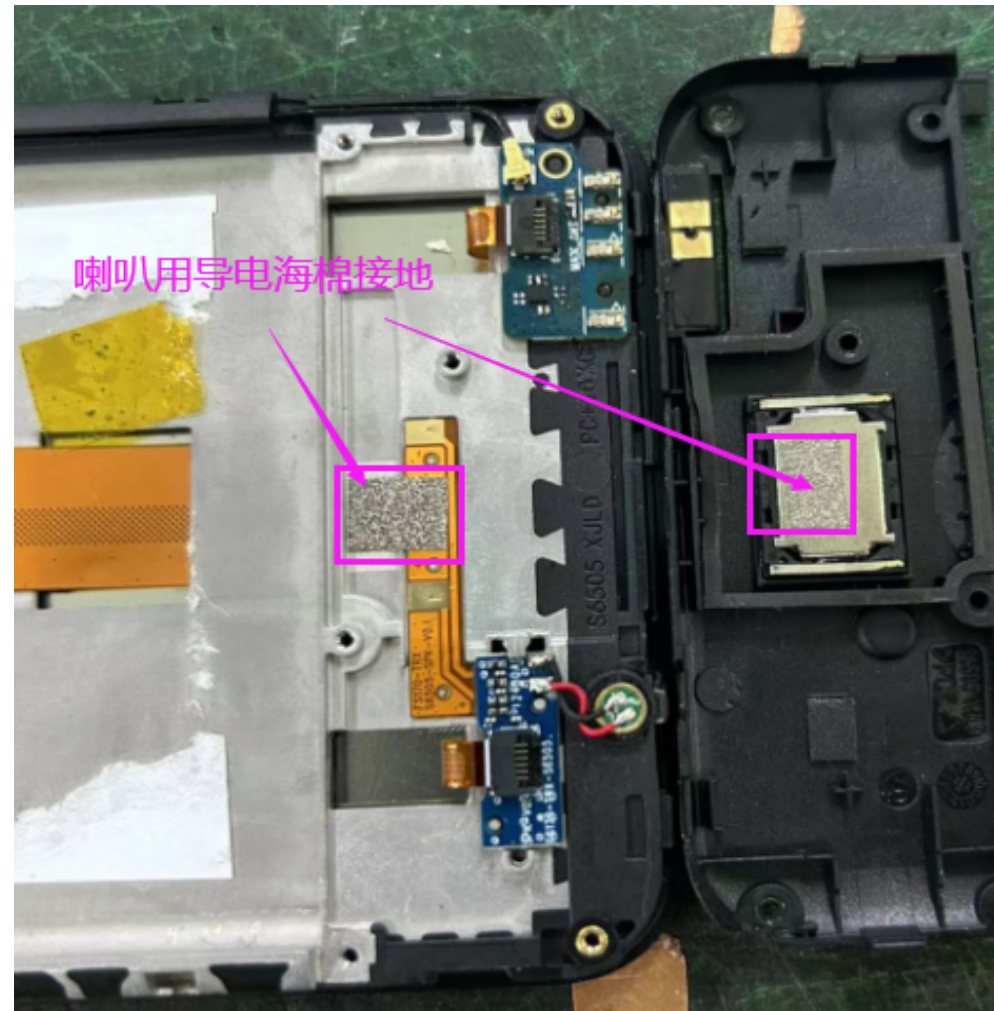
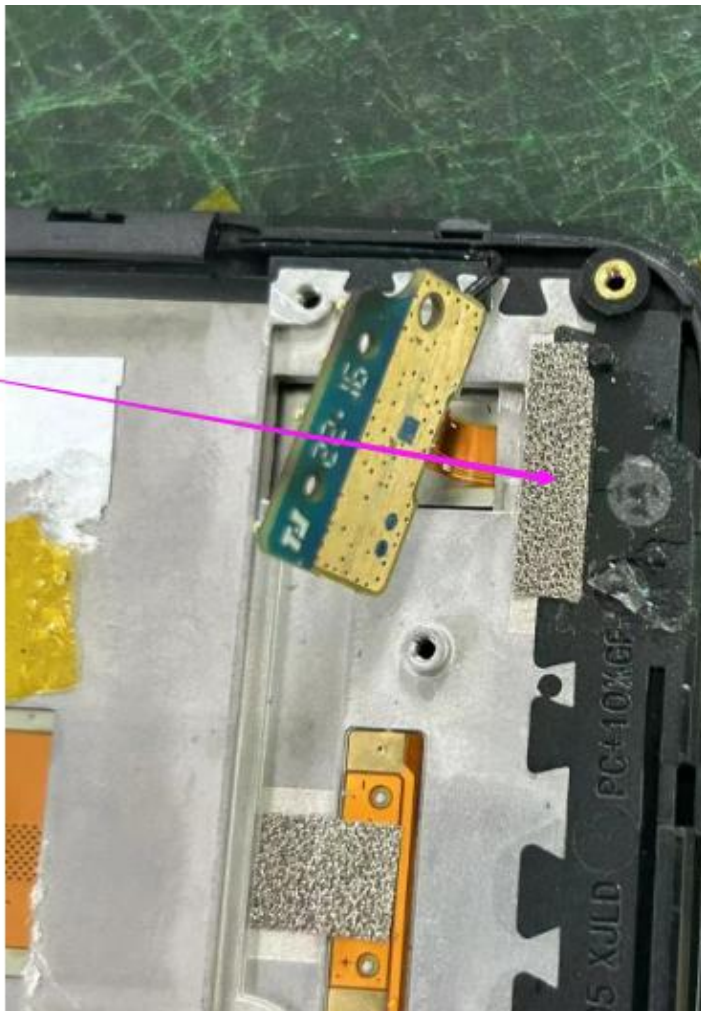


Device Test scenario

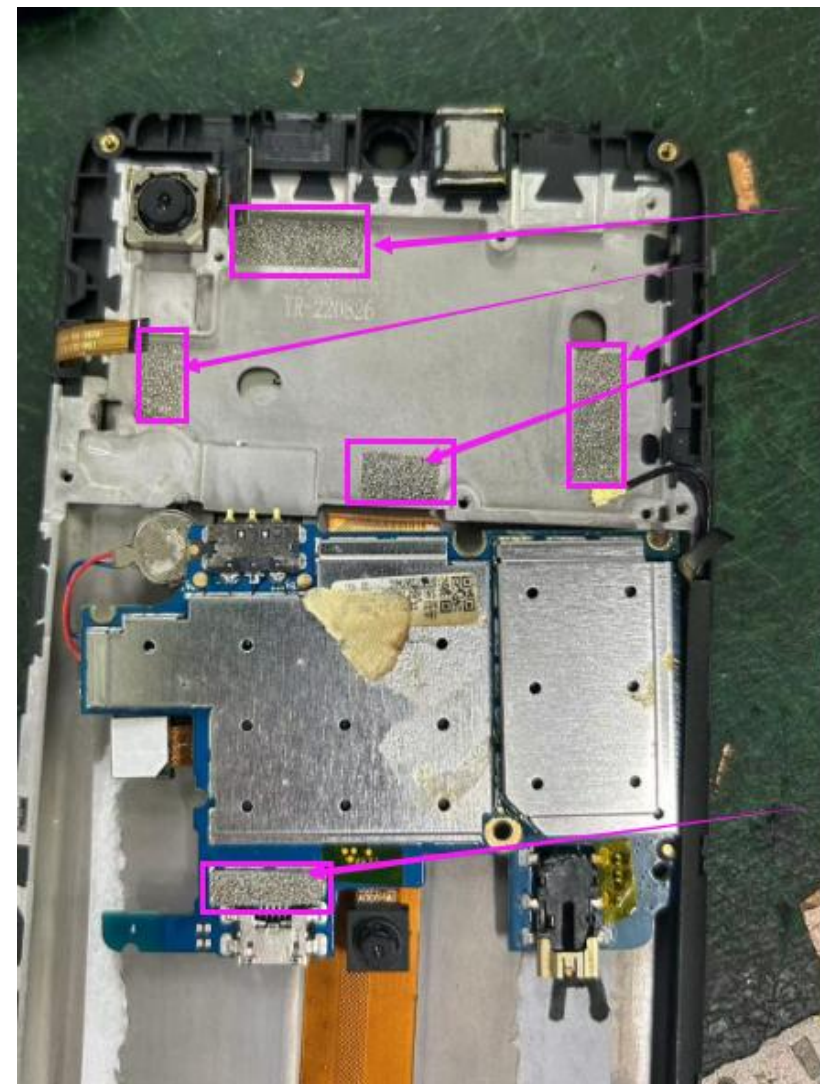


Environmental treatment

小板下方露铜区用
导电海棉接，不导
电位置用双面胶固
定小板。



Environmental treatment



前壳有4处用
导电海棉接地

主板三合一天线
位置用导电海棉
与前壳接地，保
证接地充分。



三合一
天线附近
的摄像头用
导电海棉
接地

WIFI/GPS

