

Customers: MengBo

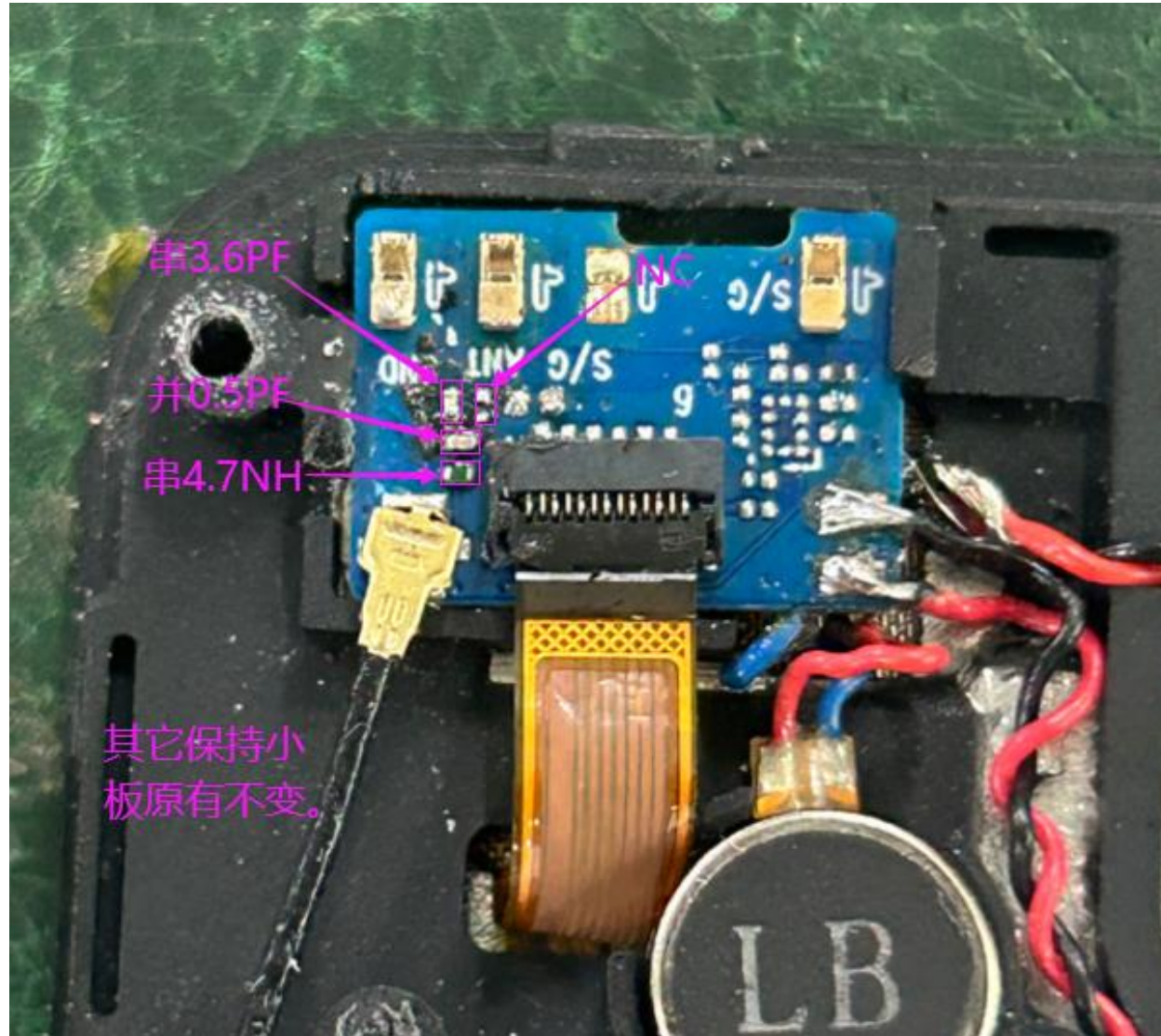
Project name: S6526-3

RF engineer: XuLong

Telephone: 15915343126

Report edition: 20240813

S6526-3 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	2/4/5/7/26/28AB/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	S6526-3Debugging machine		Environmental treatment				

	Channel	TRP (dBm)	TIS (dBm)		S6526-3	Channel	TRP (dBm)	TIS (dBm)			Channel	TRP (dBm)	TIS (dBm)
FDD B2	18650	16. 67			FDD B66	132022	16. 68		PCS 1900	512	25. 54		
	18900	16. 51				661	25. 12						
	19150	16. 72	-92. 24			810	25. 67	-103. 5					
FDD B4	20000	17. 58			WCDMA B2	9262	17. 12						
	20175	17. 54				9400	17. 28						
	20350	16. 51	-92. 45			9538	17. 12	-103. 2					
FDD B5	20450	16. 46			WCDMA B4	1312	17. 45						
	20525	16. 59				1413	17. 38						
	20600	16. 74	-91. 32			1513	17. 21	-102. 6					
FDD B7	20800	17. 23			WCDMA B5	4132	16. 64						
	21100	17. 12				4183	16. 59						
	21400	17. 15	-90. 54			4233	17. 24	-102. 7					
FDD B26	26740	16. 83			WCDMA B8	2712	17. 26						
	26865	16. 04				2787	17. 24						
	26990	16. 68	-91. 15			2863	16. 23	-101. 2					
FDD B28A	27260	16. 23			GSM 850	128	26. 12						
	27370	16. 31				190	25. 54						
	27469	16. 34	-91. 38			251	25. 65	-102. 5					
FDD B28B	27410	16. 52			GSM 900	1	25. 54						
	27510	16. 57				62	25. 49						
	27600	16. 34	-91. 25			124	25. 61	-101. 3					
TDD (B38)	37850	16. 35			DCS1800	512	25. 46						
	38000	16. 41				698	25. 12						
	38150	16. 57	-91. 12			885	25. 02	-103. 2					

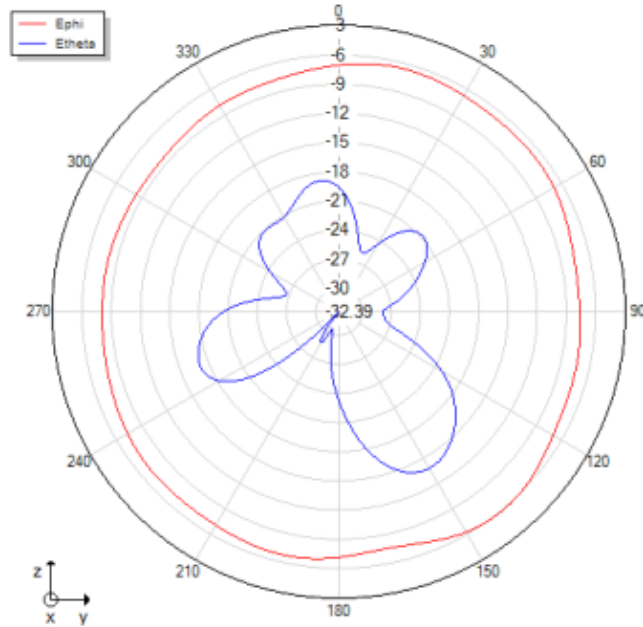
Antenna gain

S6526天线增益 S6526 Antenna Gain

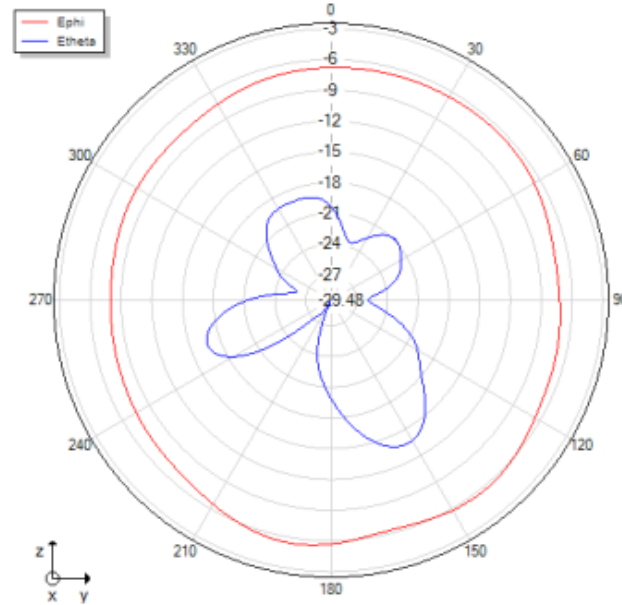
频段Frequency	增益Gain(dB)
GSM850	-0.58
EGSM900	-0.56
DCS1800	-0.36
PCS1900	-0.38
W1700	-0.36
W900	-0.56
W850	-0.58
W1900	-0.39
B2	-0.38
B4	-0.36
B5	-0.58
B7	-0.29
B26	-0.36
B28	-0.67
B66	-0.36
TDD	
B38	-0.31
GPS	-0.62
WIFI	-0.13
BT	-0.13
	以上单位为：dB

Lobe diagram

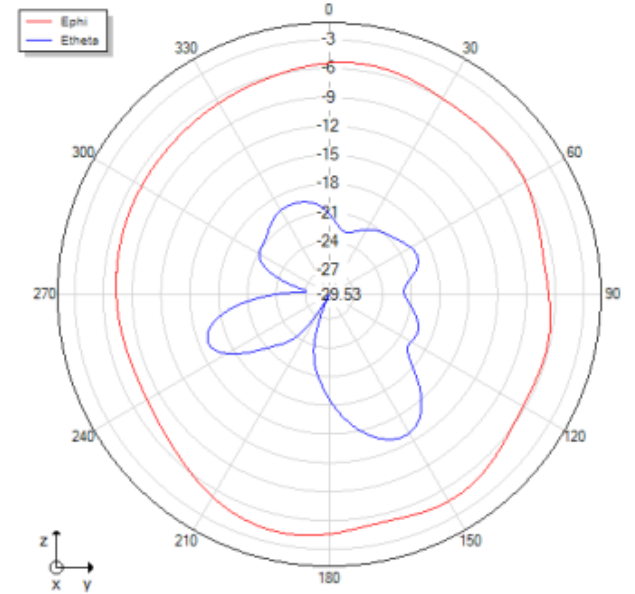
Phi=90 freq=700MHz



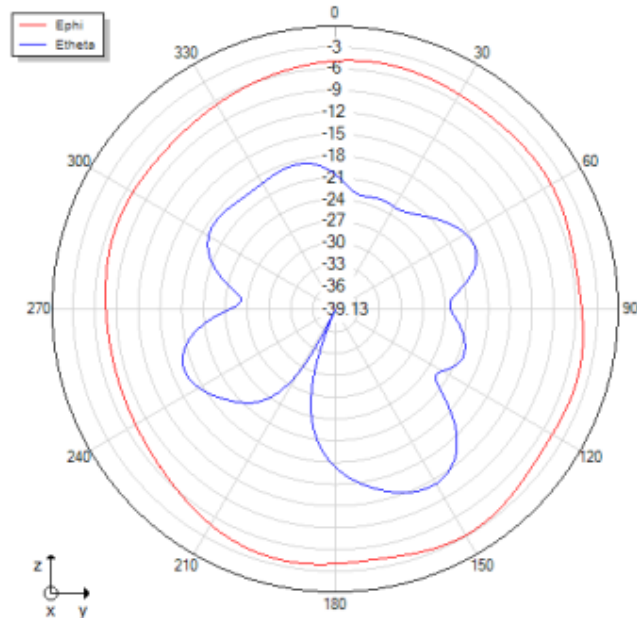
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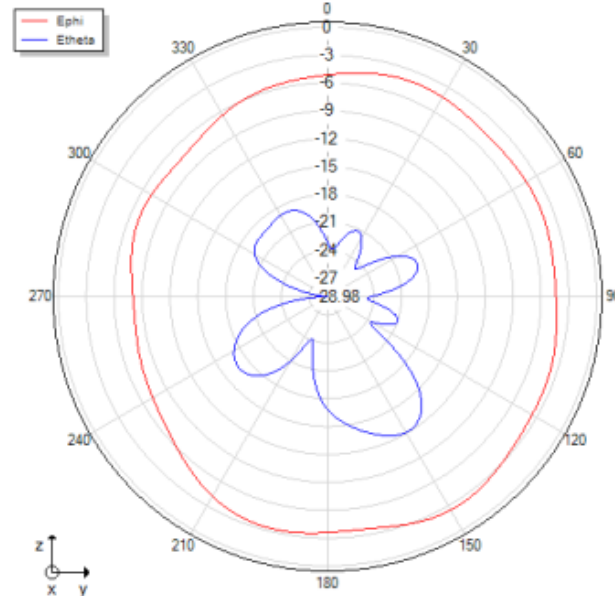
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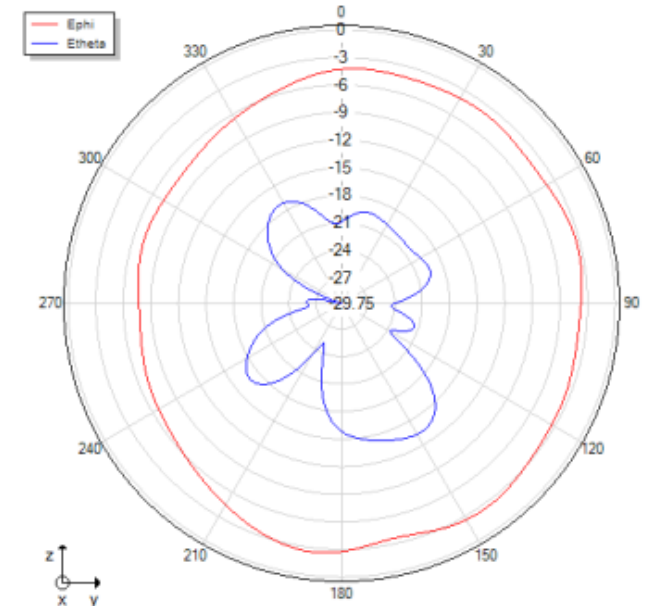
Phi=90 freq=760MHz



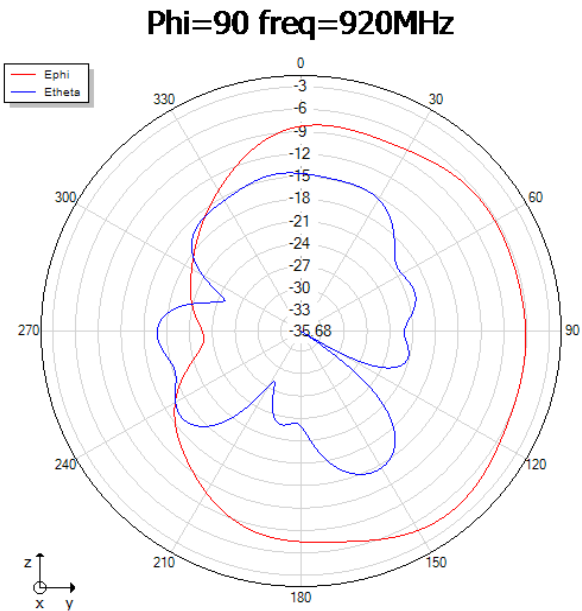
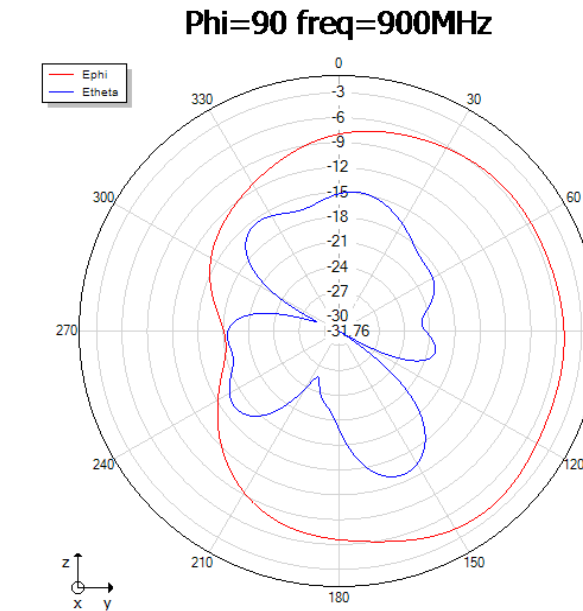
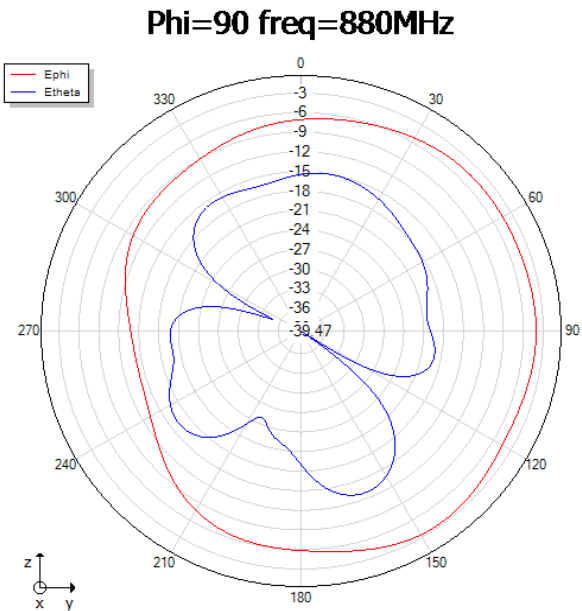
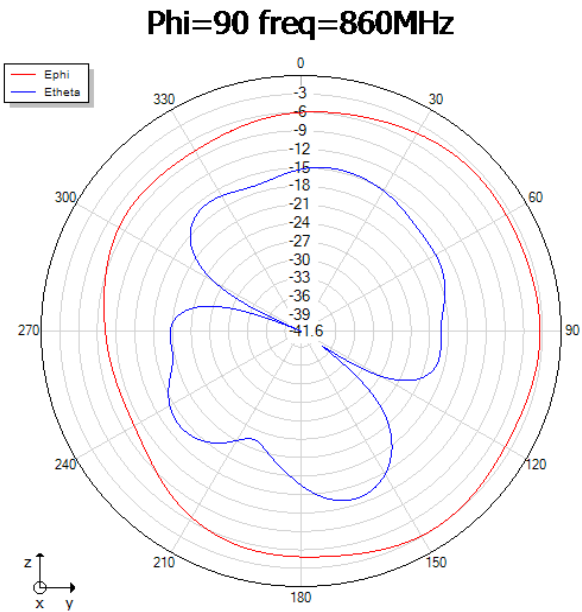
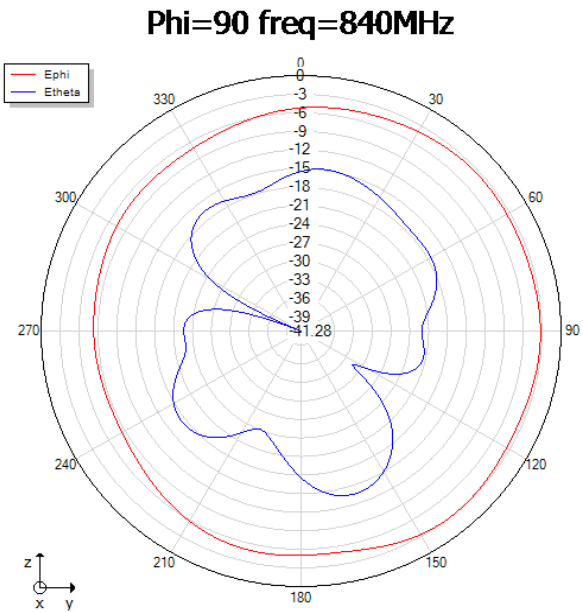
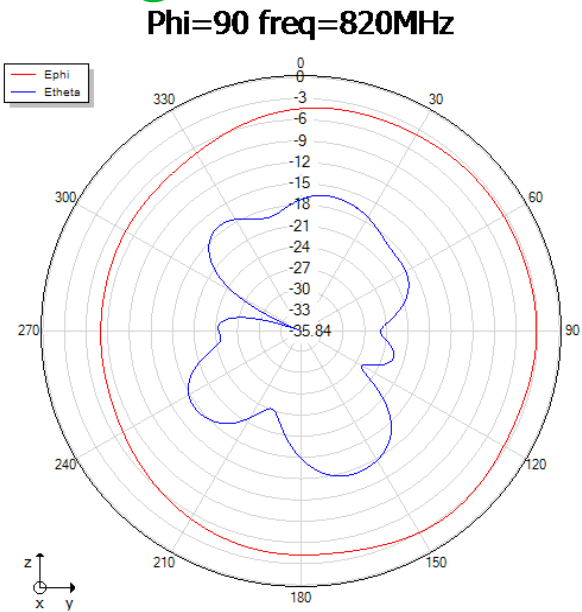
Phi=90 freq=780MHz



Phi=90 freq=800MHz

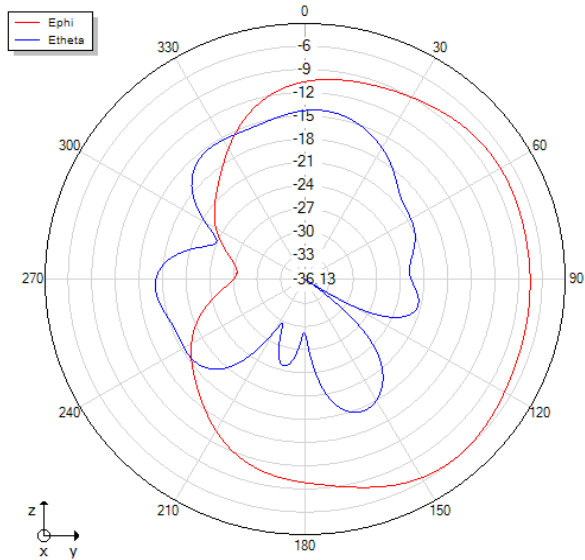


Lobe diagram

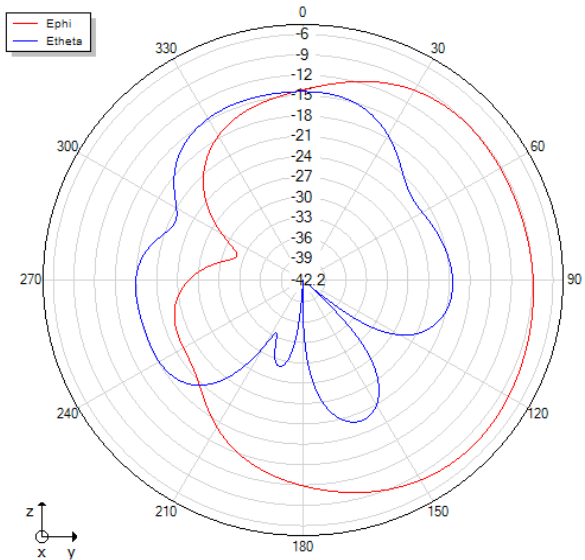


Lobe diagram

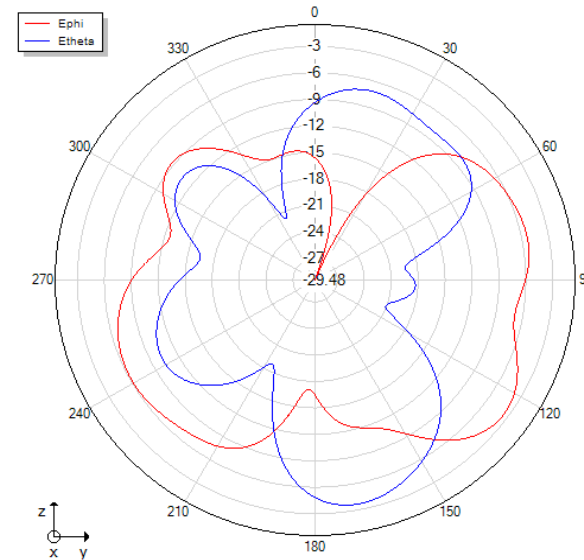
Phi=90 freq=940MHz



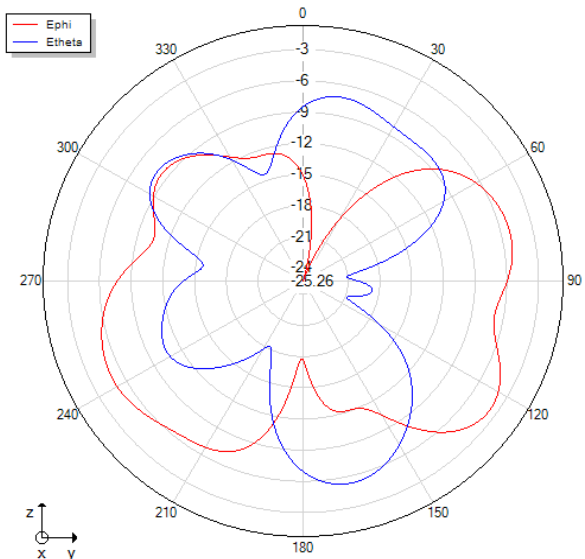
Phi=90 freq=960MHz



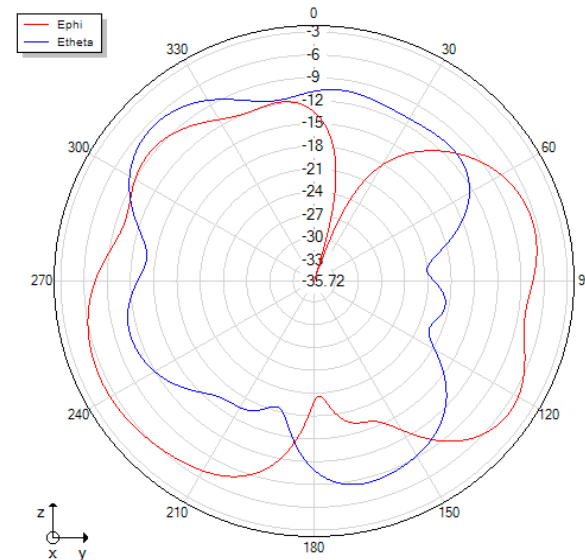
Phi=90 freq=1700MHz



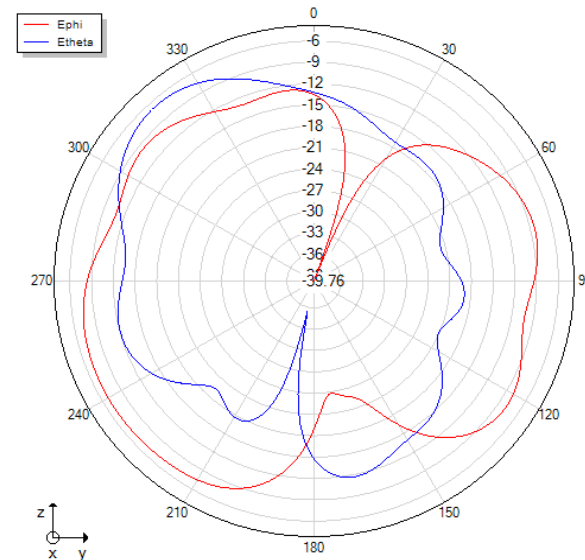
Phi=90 freq=1720MHz



Phi=90 freq=1740MHz

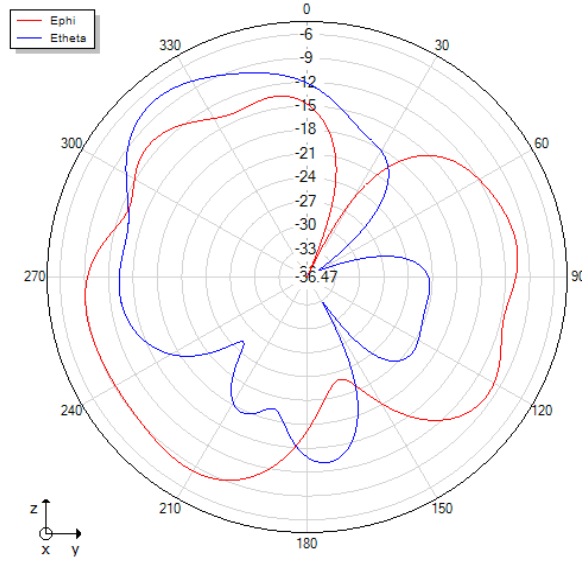


Phi=90 freq=1760MHz

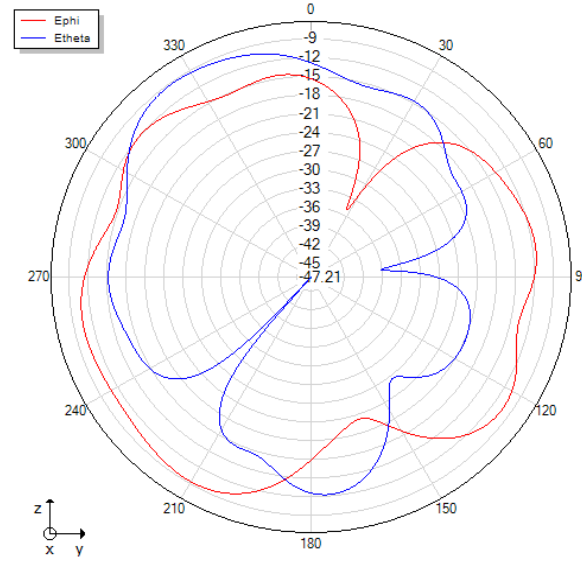


Lobe diagram

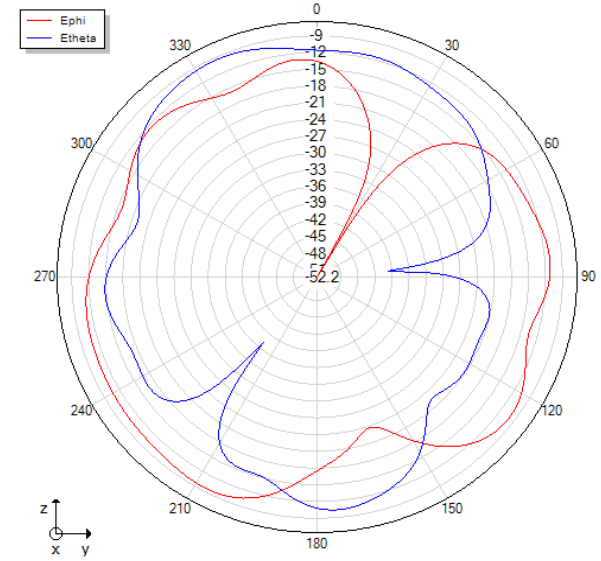
Phi=90 freq=1780MHz



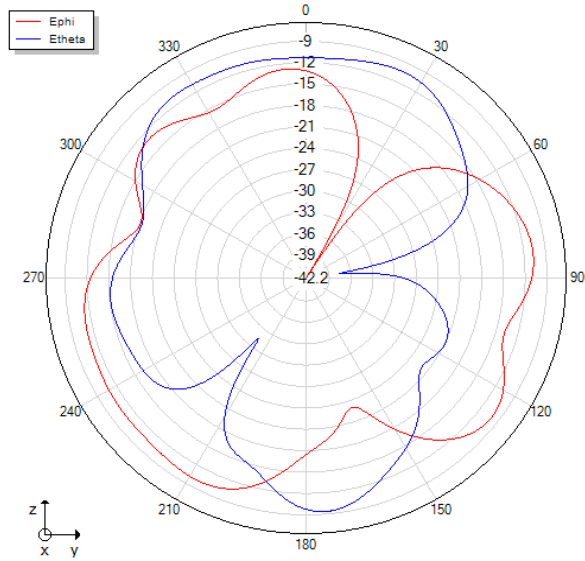
Phi=90 freq=1800MHz



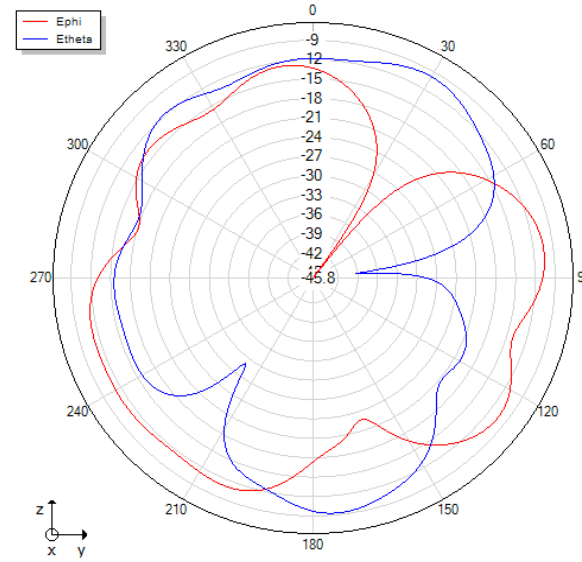
Phi=90 freq=1820MHz



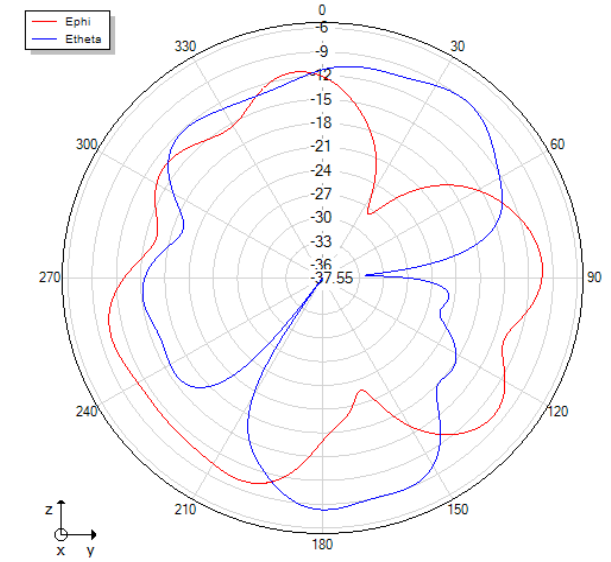
Phi=90 freq=1840MHz



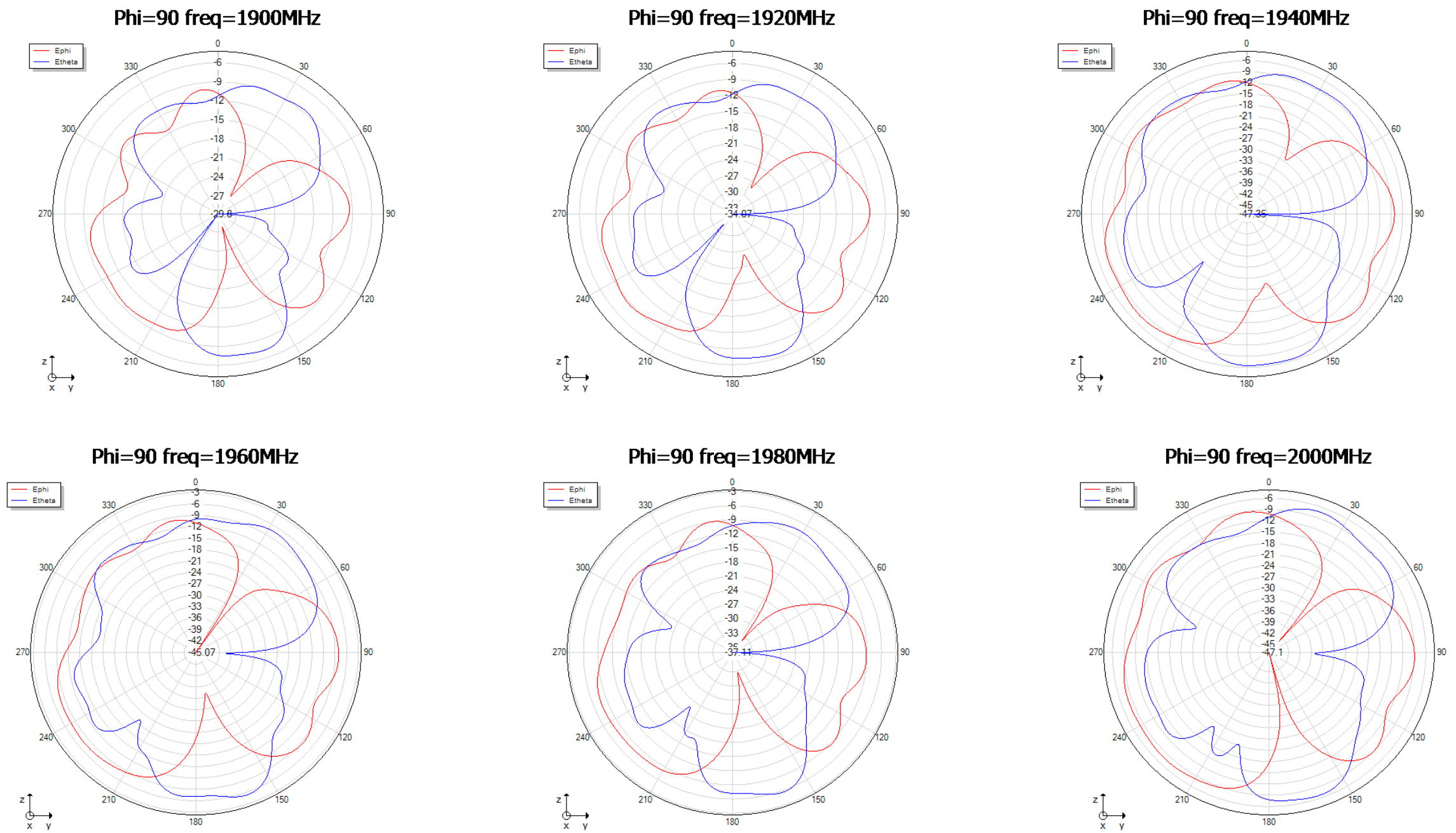
Phi=90 freq=1860MHz



Phi=90 freq=1880MHz

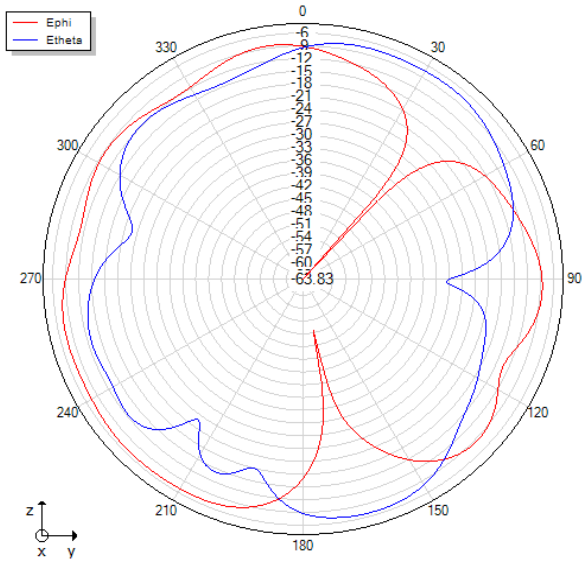


Lobe diagram

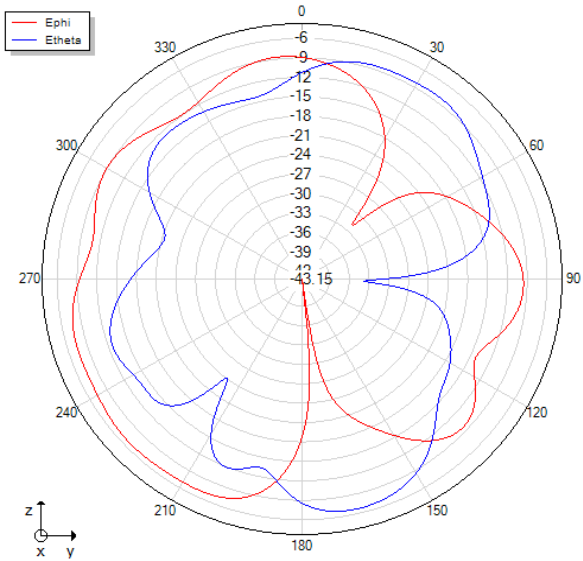


Lobe diagram

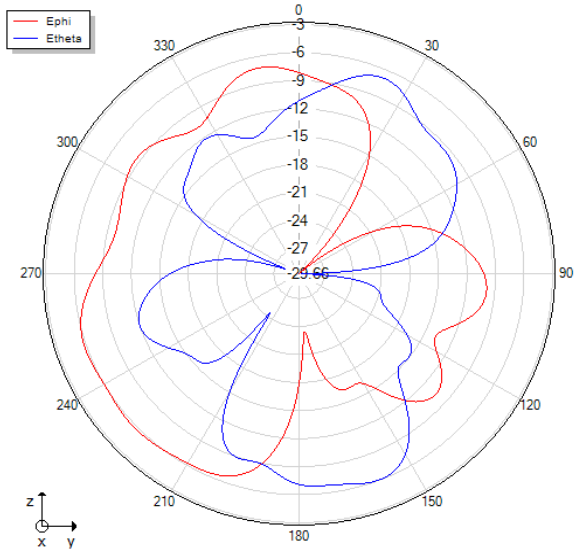
Phi=90 freq=2020MHz



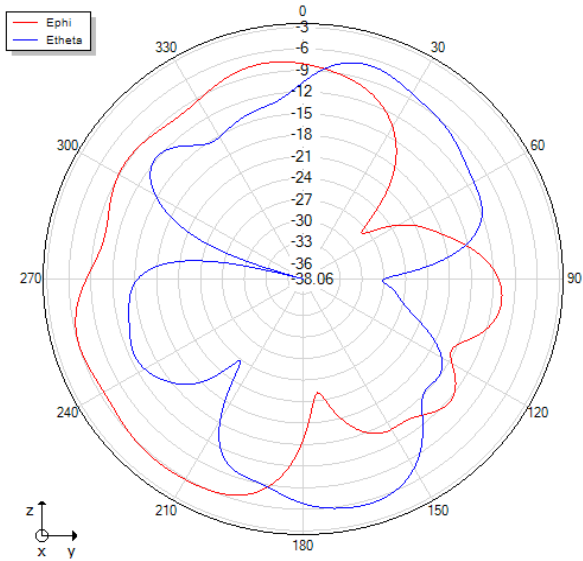
Phi=90 freq=2040MHz



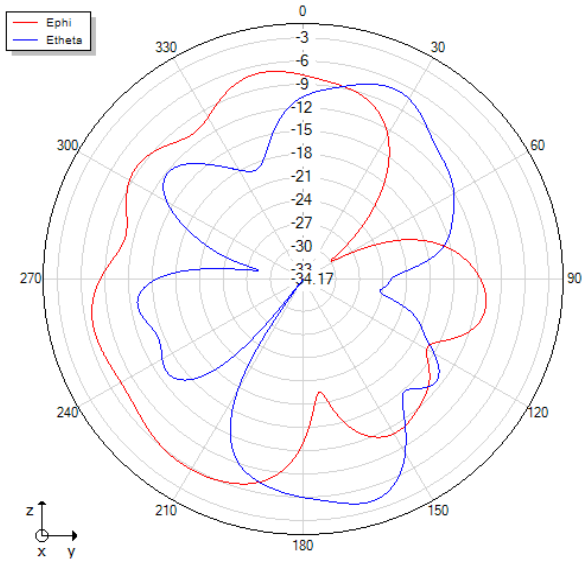
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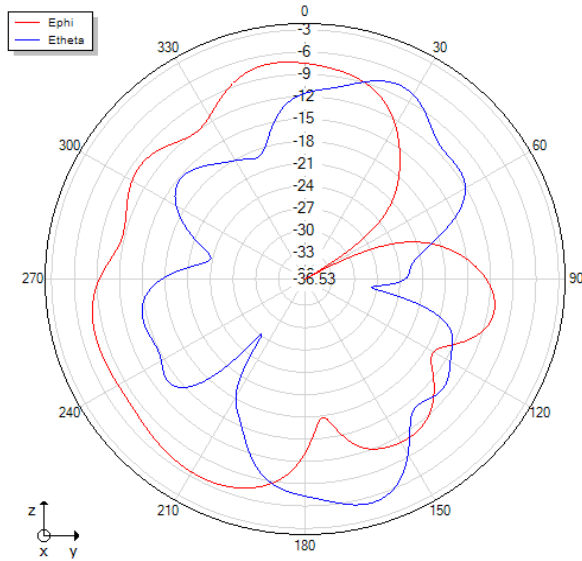
Phi=90 freq=2080MHz



Phi=90 freq=2100MHz

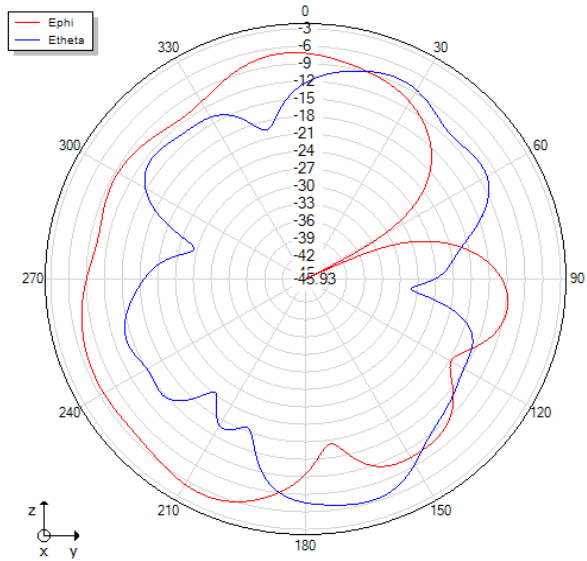


Phi=90 freq=2120MHz

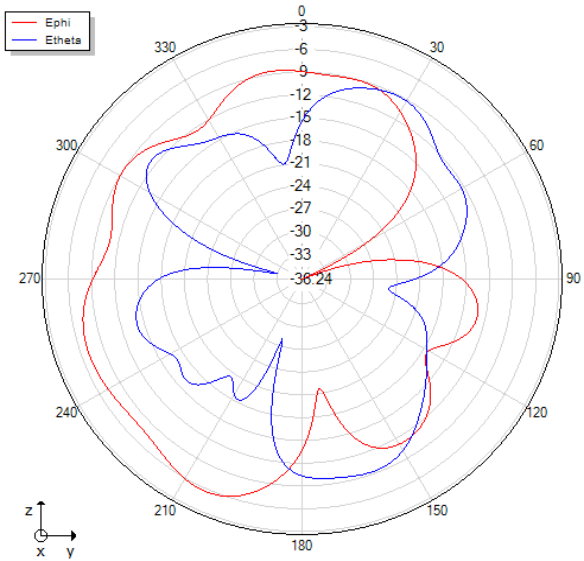


Lobe diagram

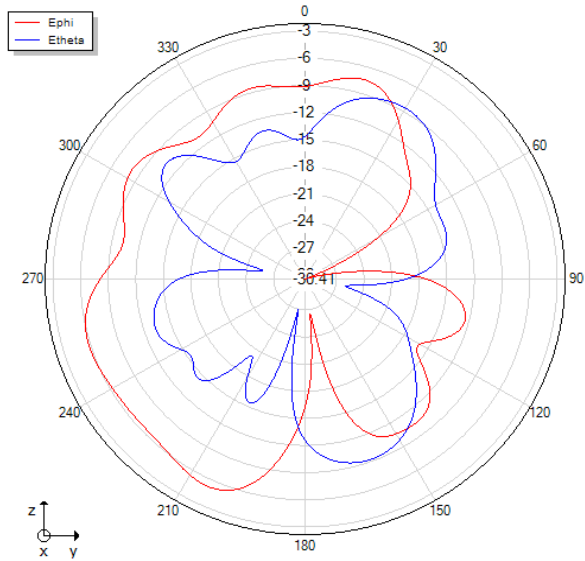
Phi=90 freq=2140MHz



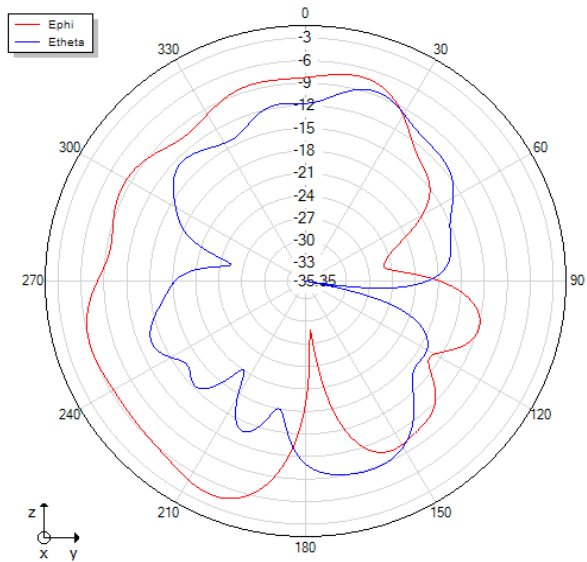
Phi=90 freq=2160MHz



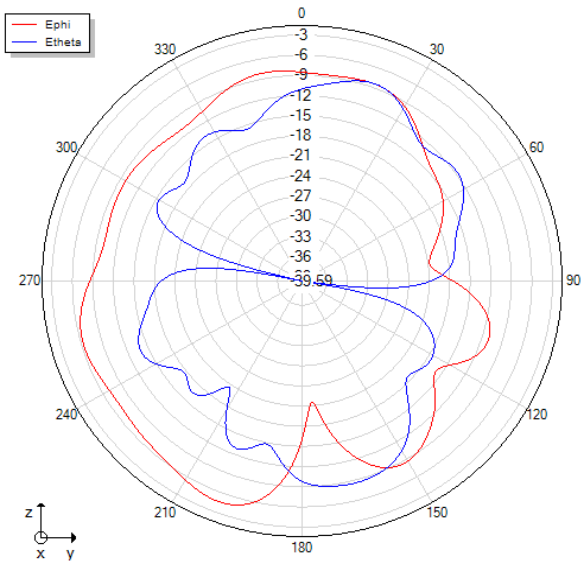
Phi=90 freq=2180MHz



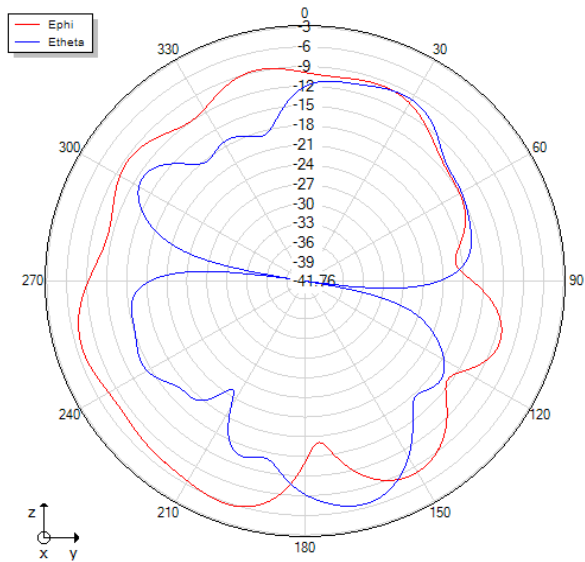
Phi=90 freq=2200MHz



Phi=90 freq=2220MHz

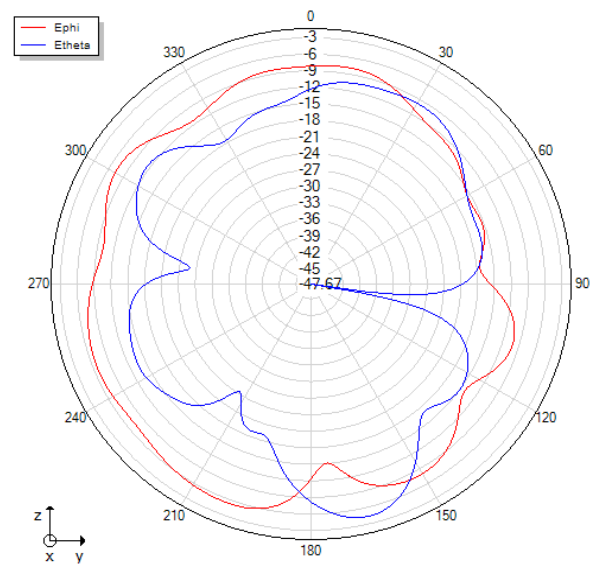


Phi=90 freq=2240MHz

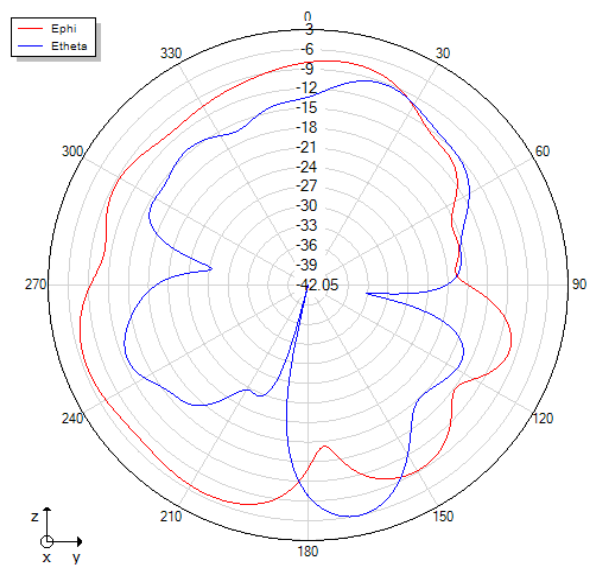


Lobe diagram

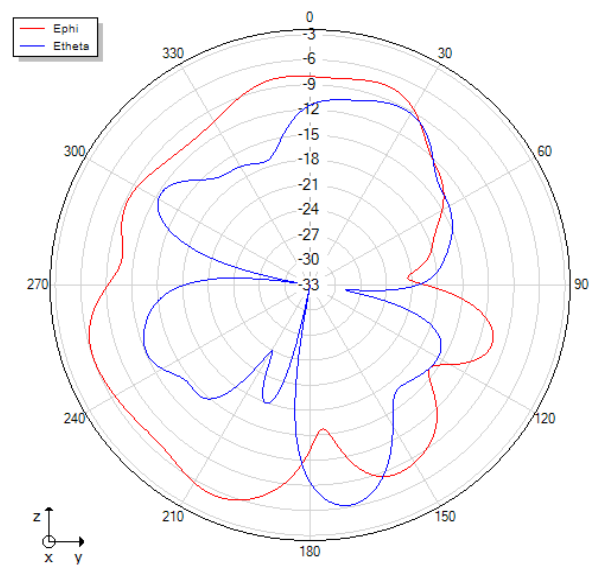
Phi=90 freq=2260MHz



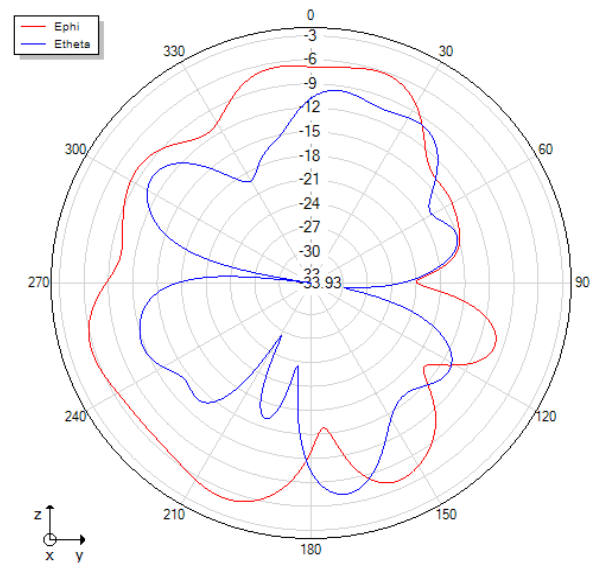
Phi=90 freq=2280MHz



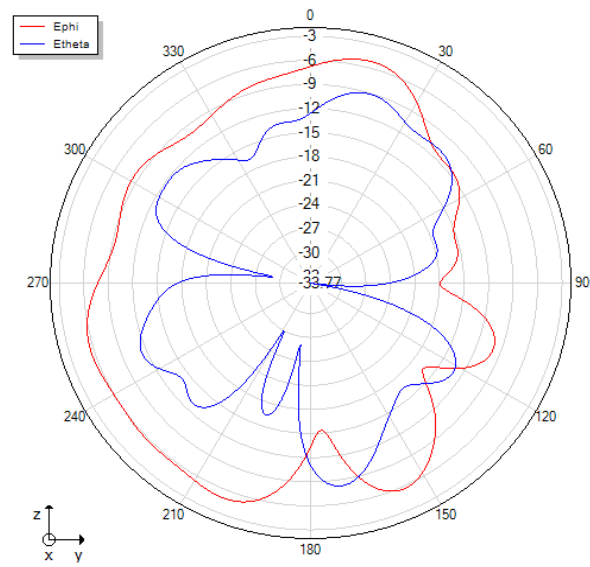
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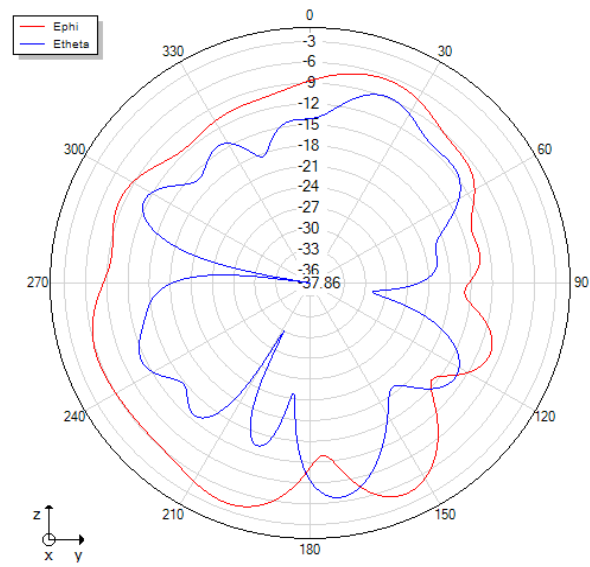
Phi=90 freq=2320MHz



Phi=90 freq=2340MHz

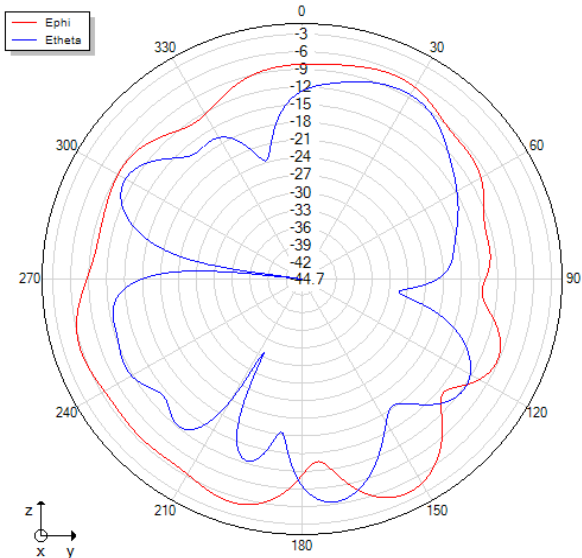


Phi=90 freq=2360MHz

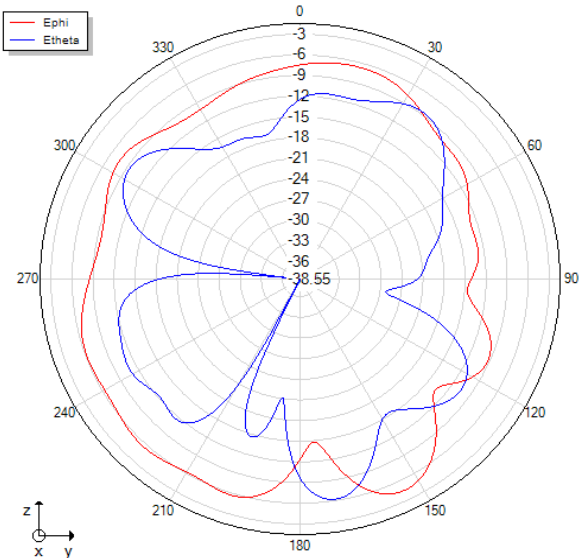


Lobe diagram

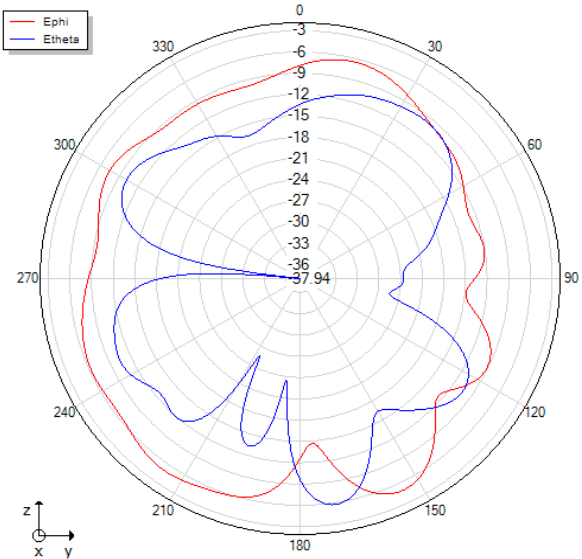
Phi=90 freq=2380MHz



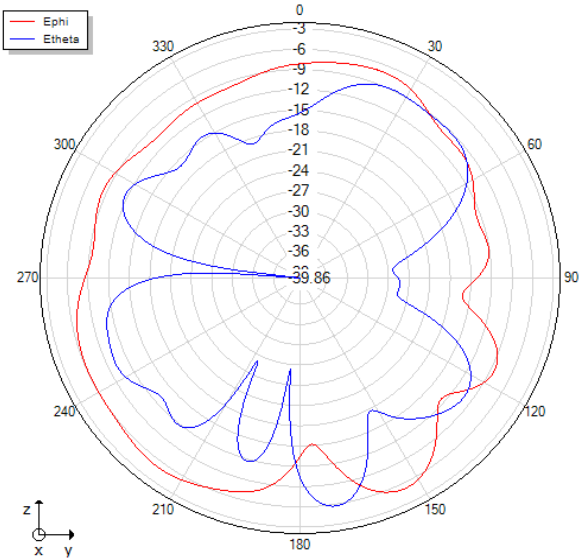
Phi=90 freq=2400MHz



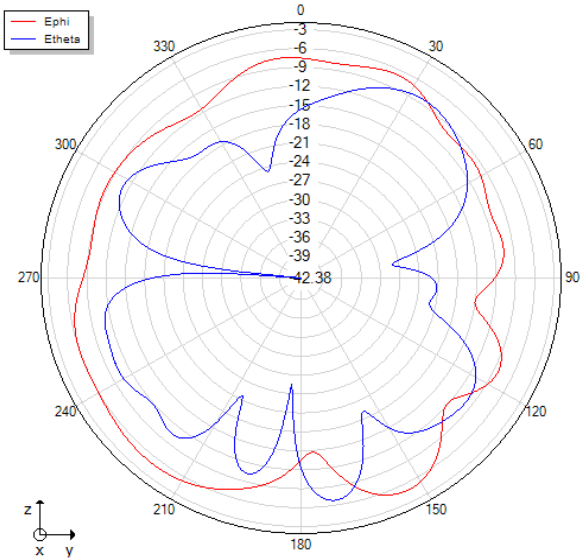
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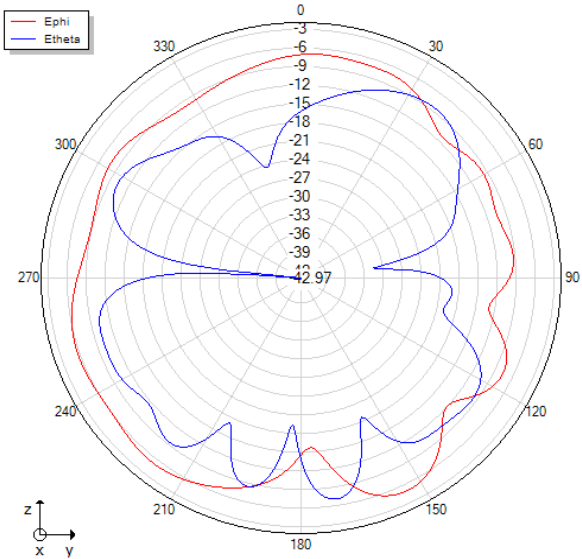
Phi=90 freq=2440MHz



Phi=90 freq=2460MHz

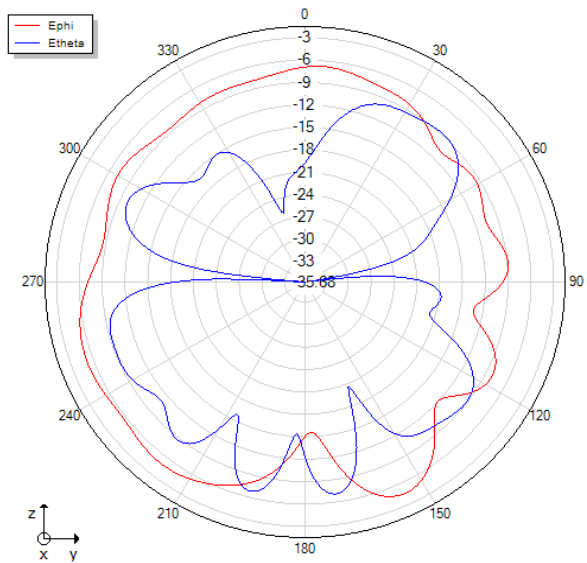


Phi=90 freq=2480MHz

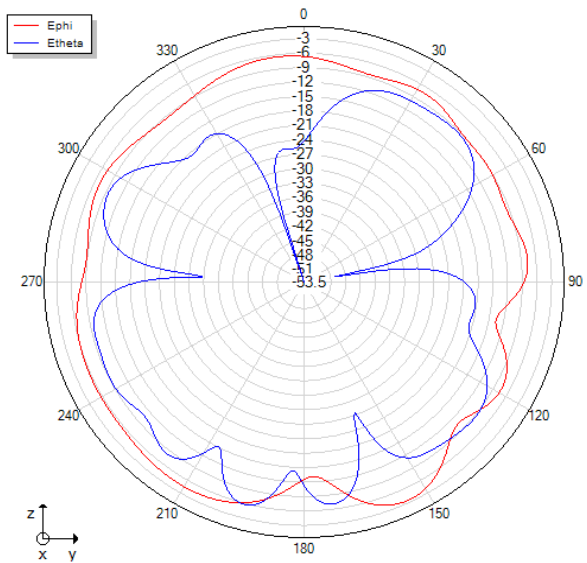


Lobe diagram

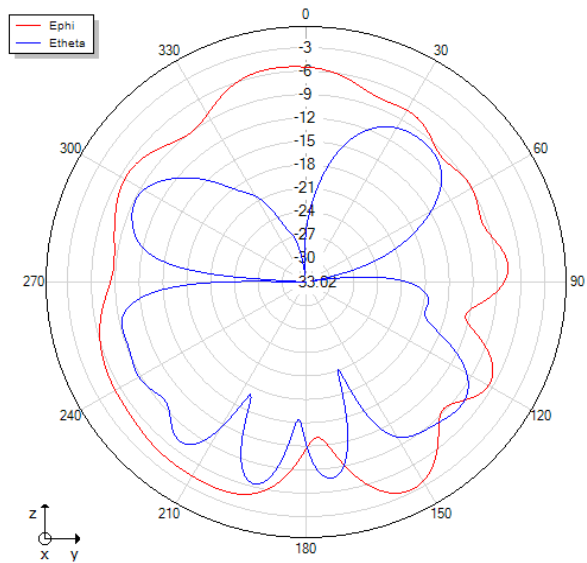
Phi=90 freq=2500MHz



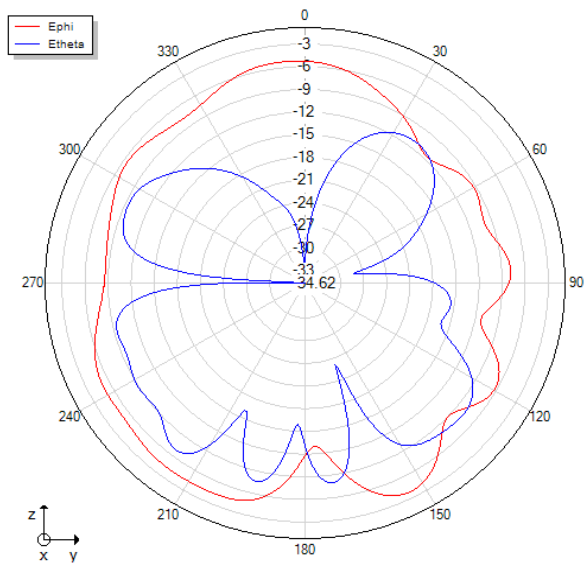
Phi=90 freq=2520MHz



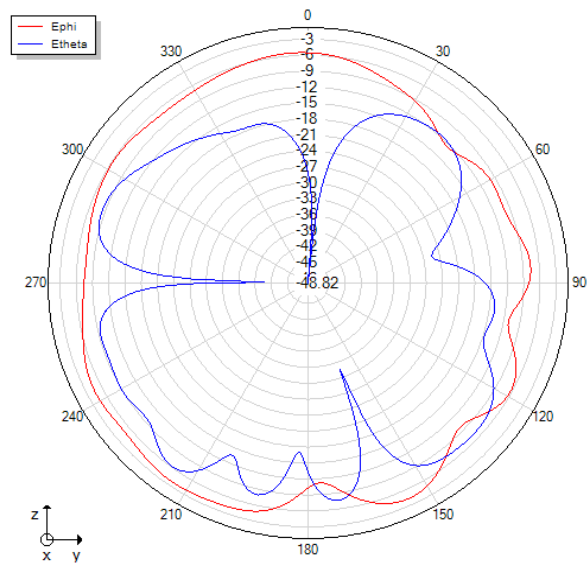
Phi=90 freq=2540MHz



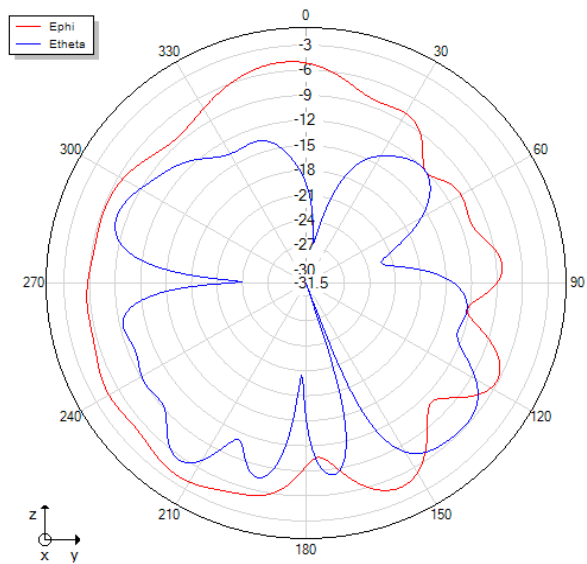
Phi=90 freq=2560MHz



Phi=90 freq=2580MHz

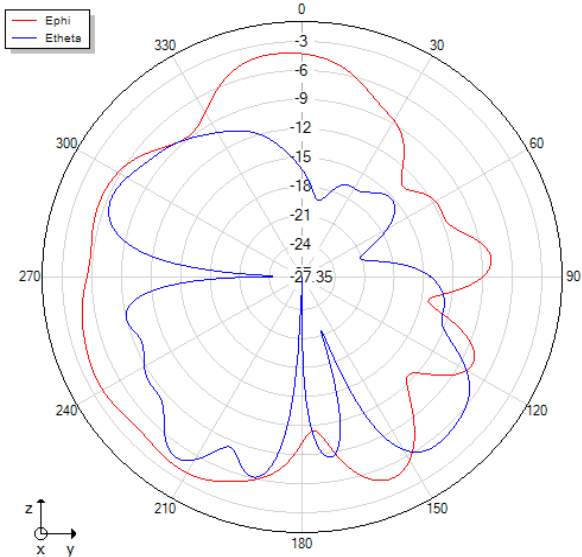


Phi=90 freq=2600MHz

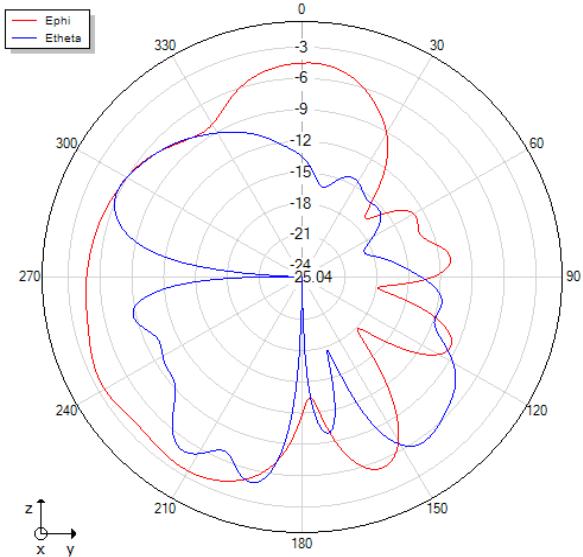


Lobe diagram

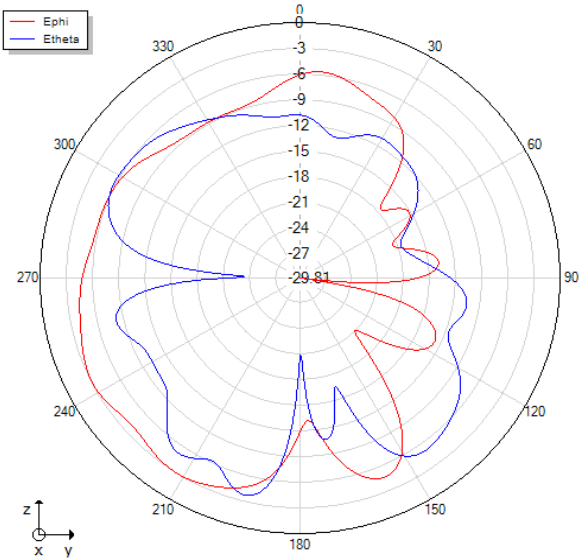
Phi=90 freq=2620MHz



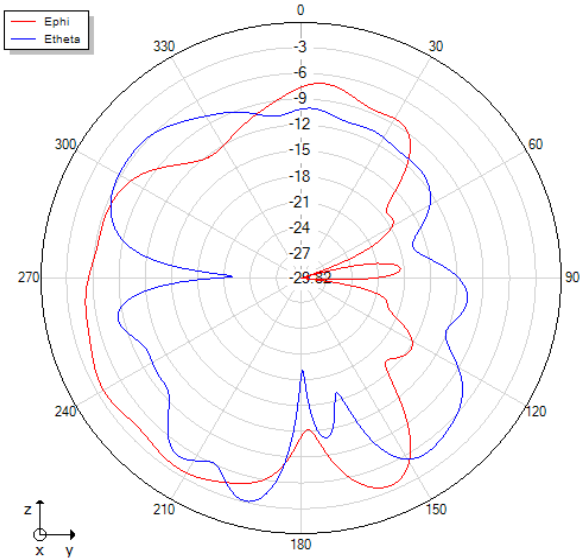
Phi=90 freq=2640MHz



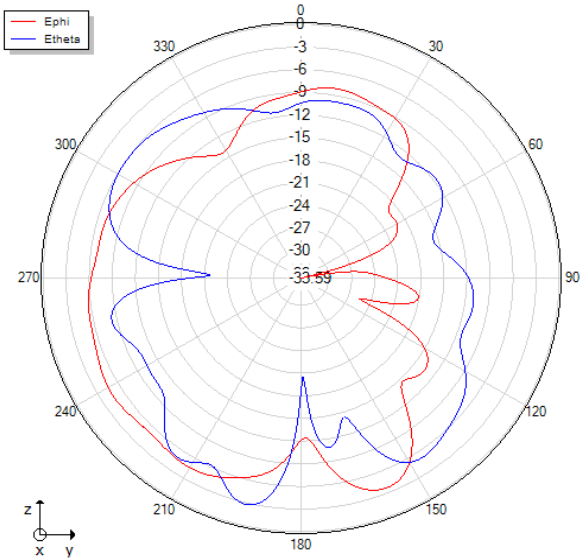
Phi=90 freq=2660MHz



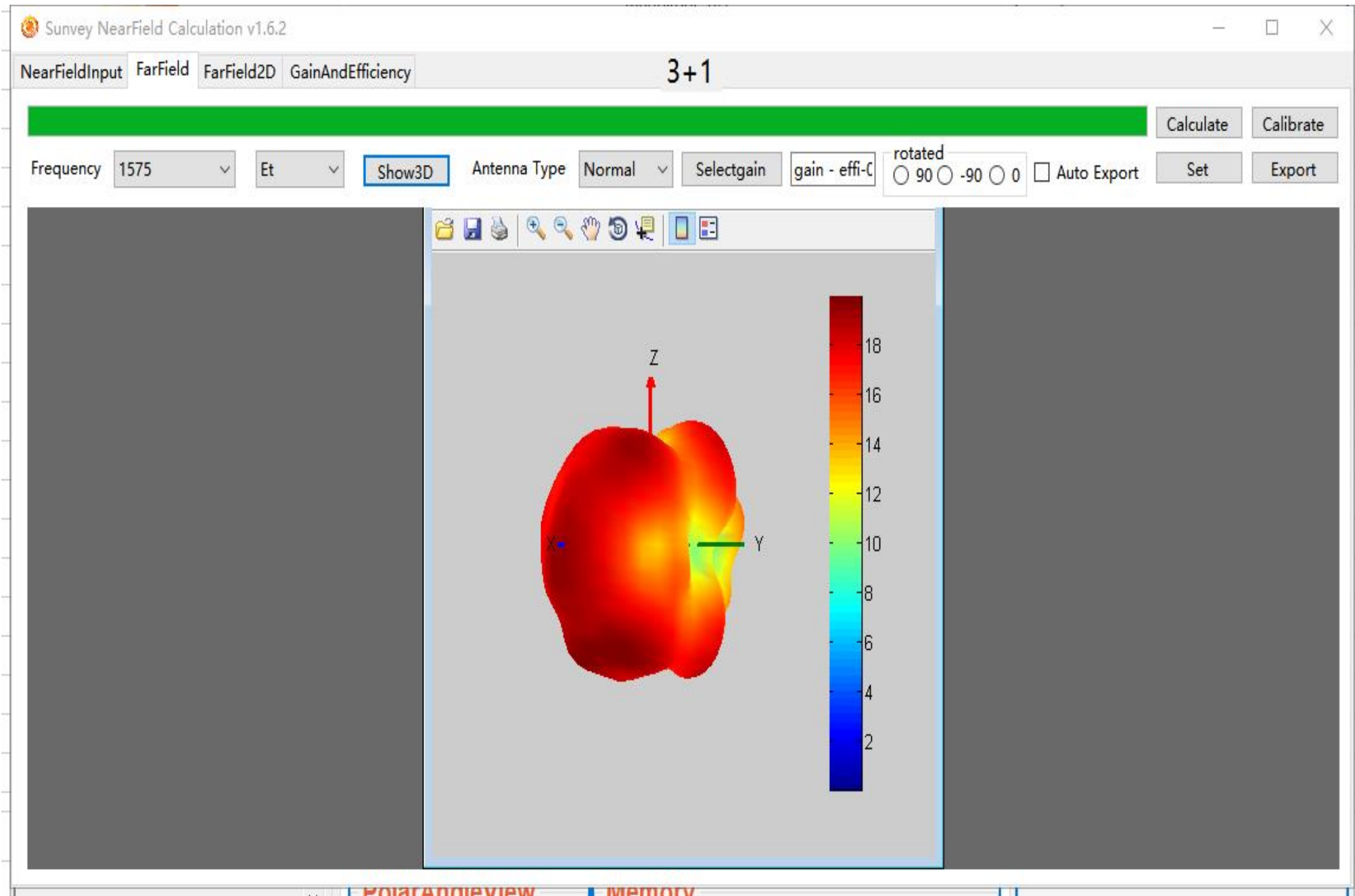
Phi=90 freq=2680MHz



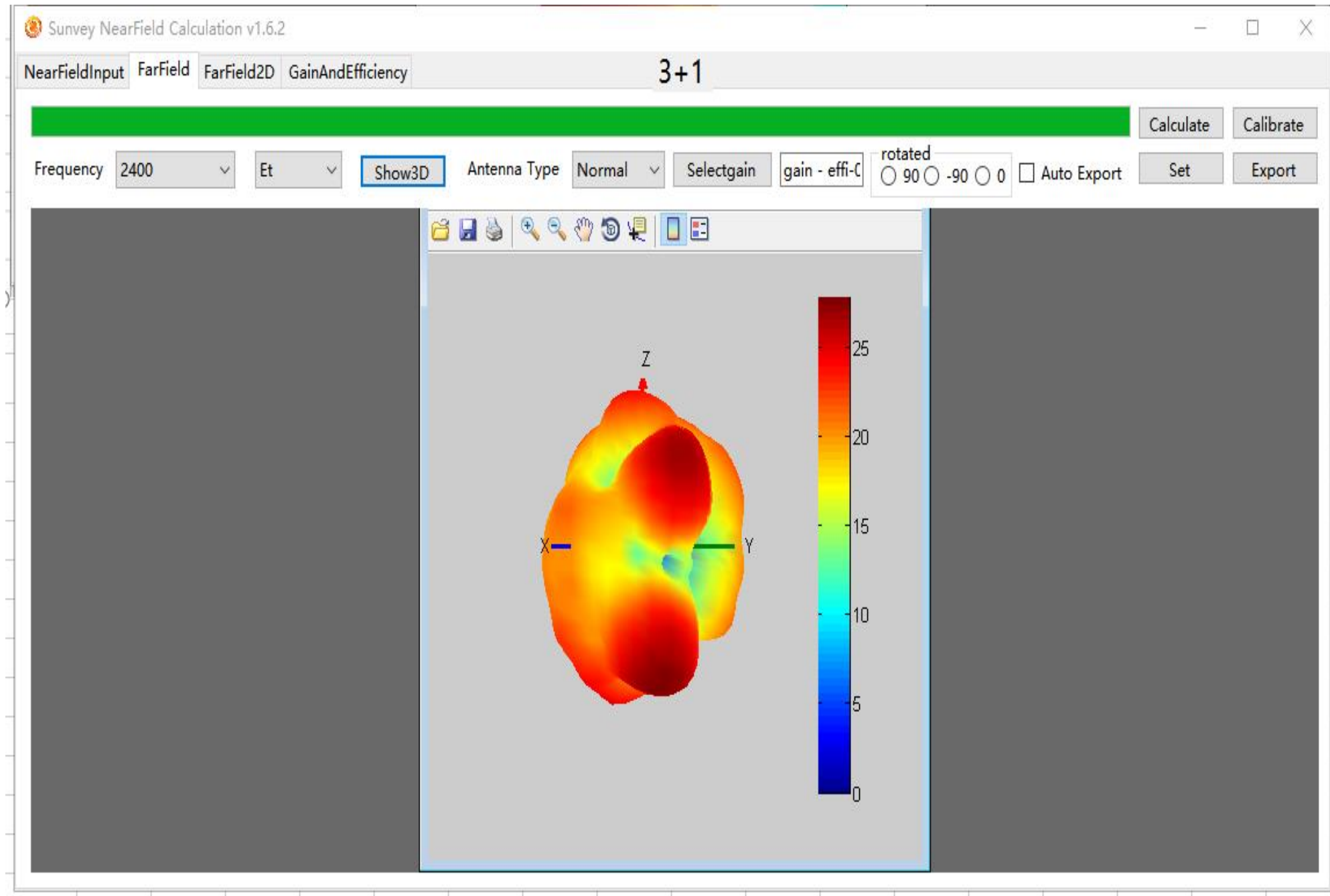
Phi=90 freq=2700MHz



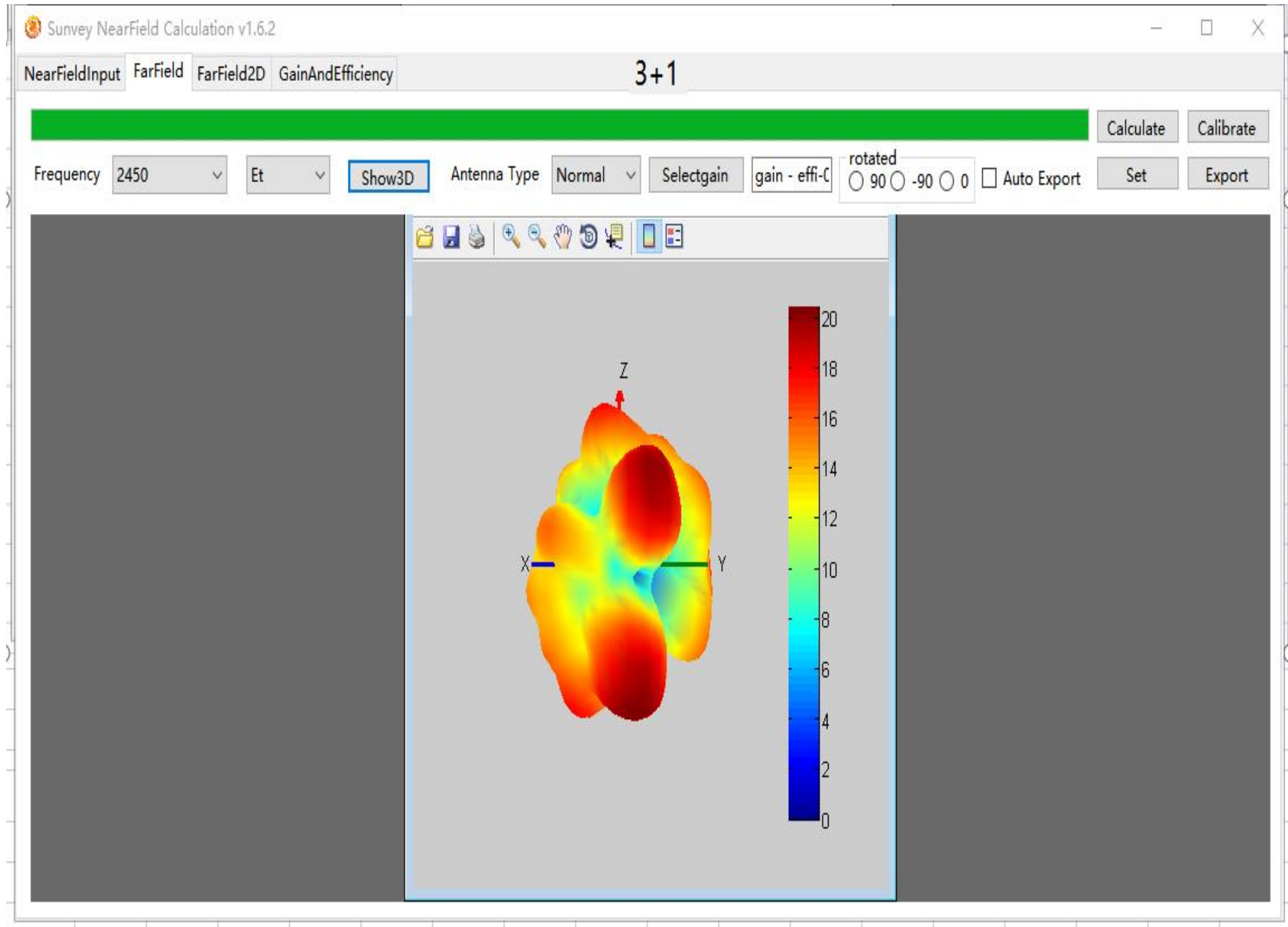
GWB antenna apple diagram



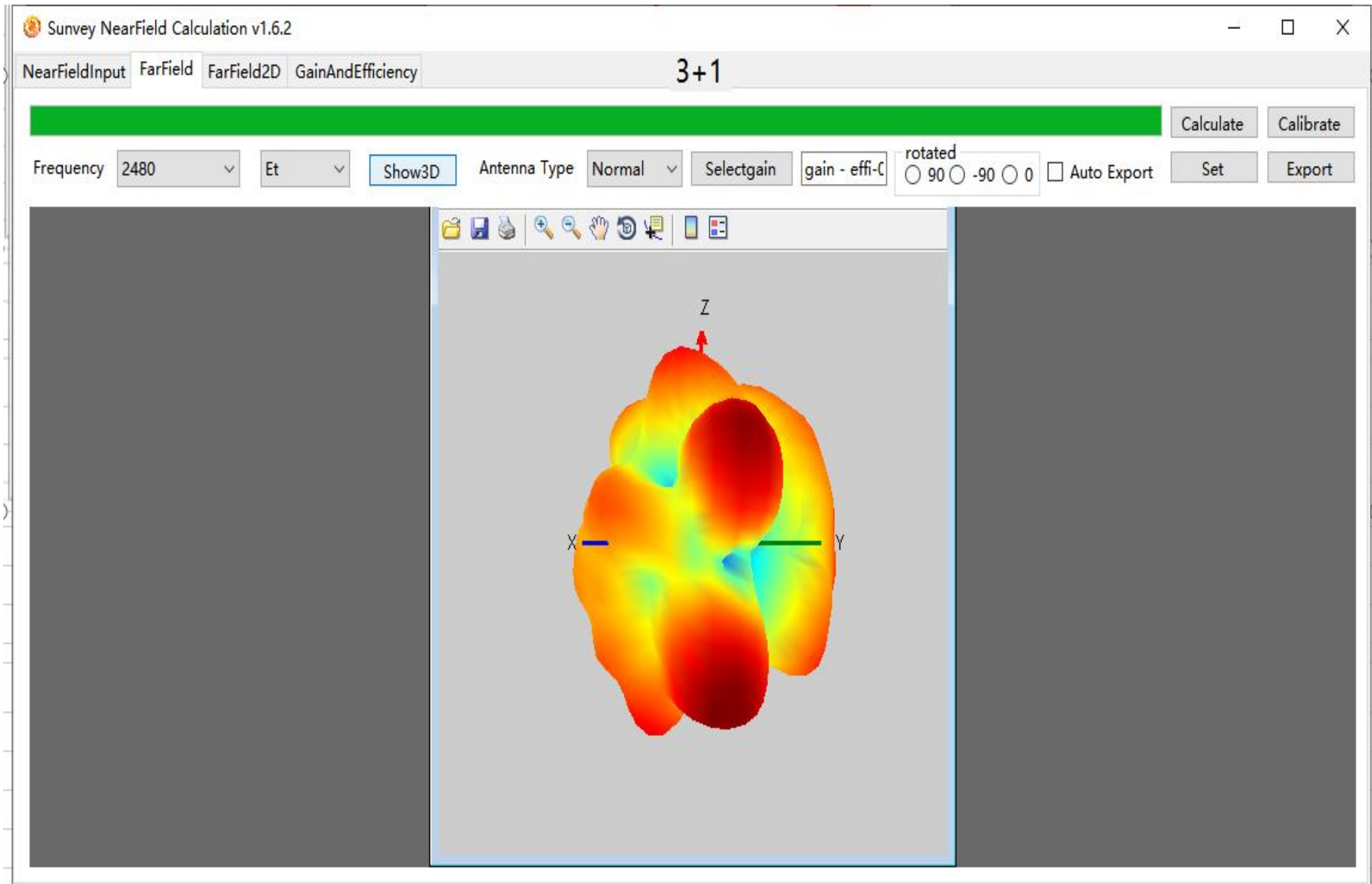
GWB antenna apple diagram



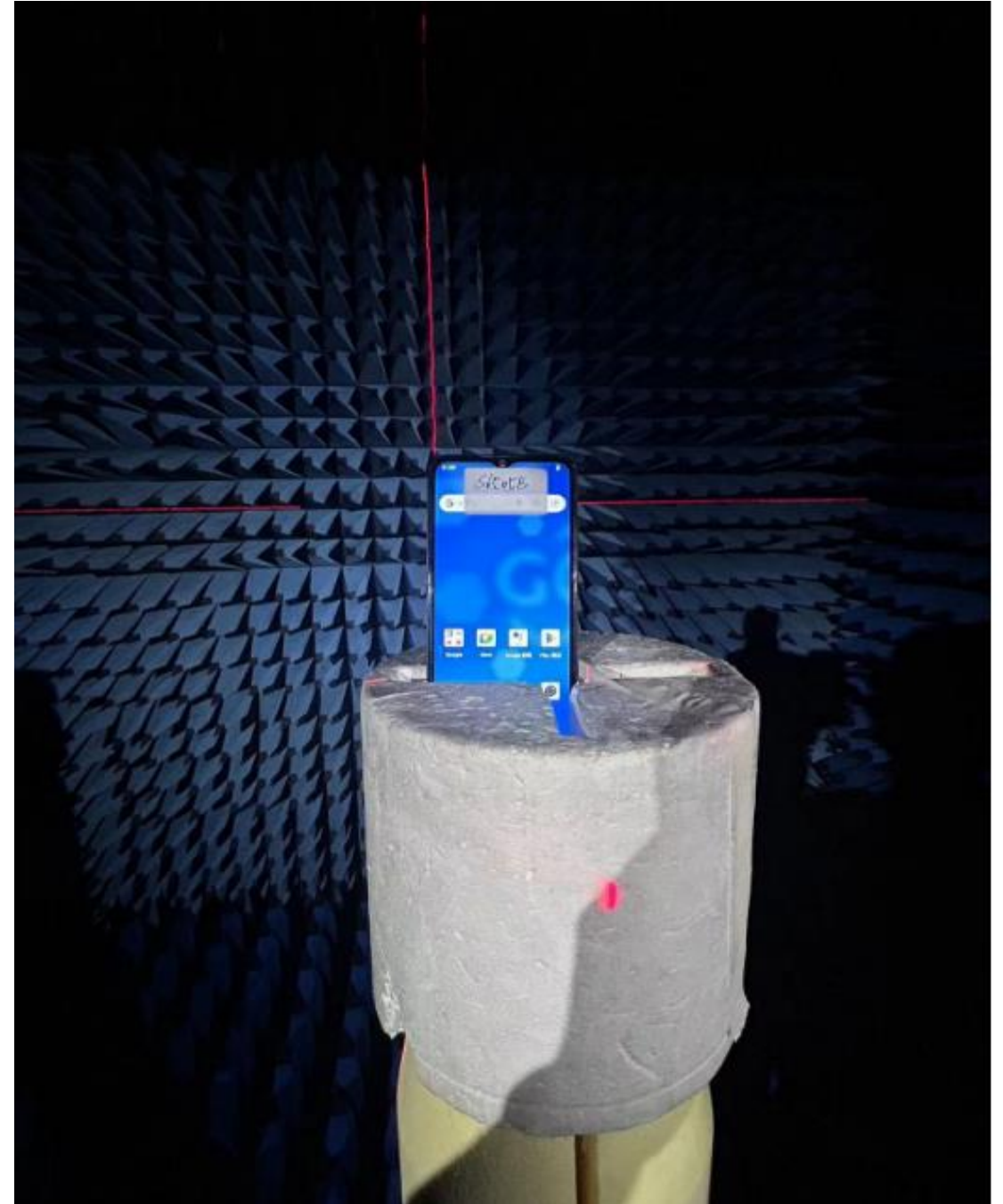
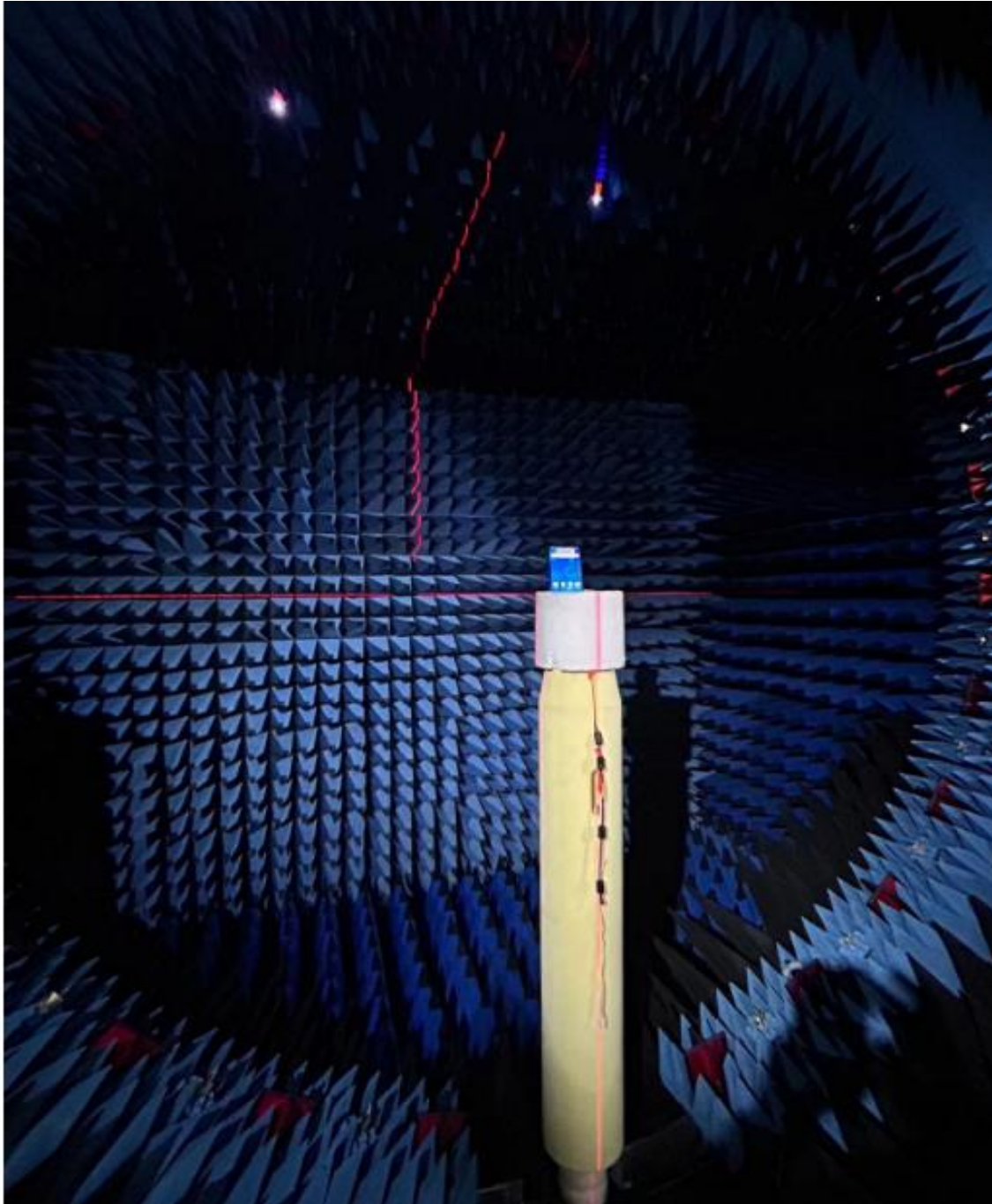
GWB antenna apple diagram



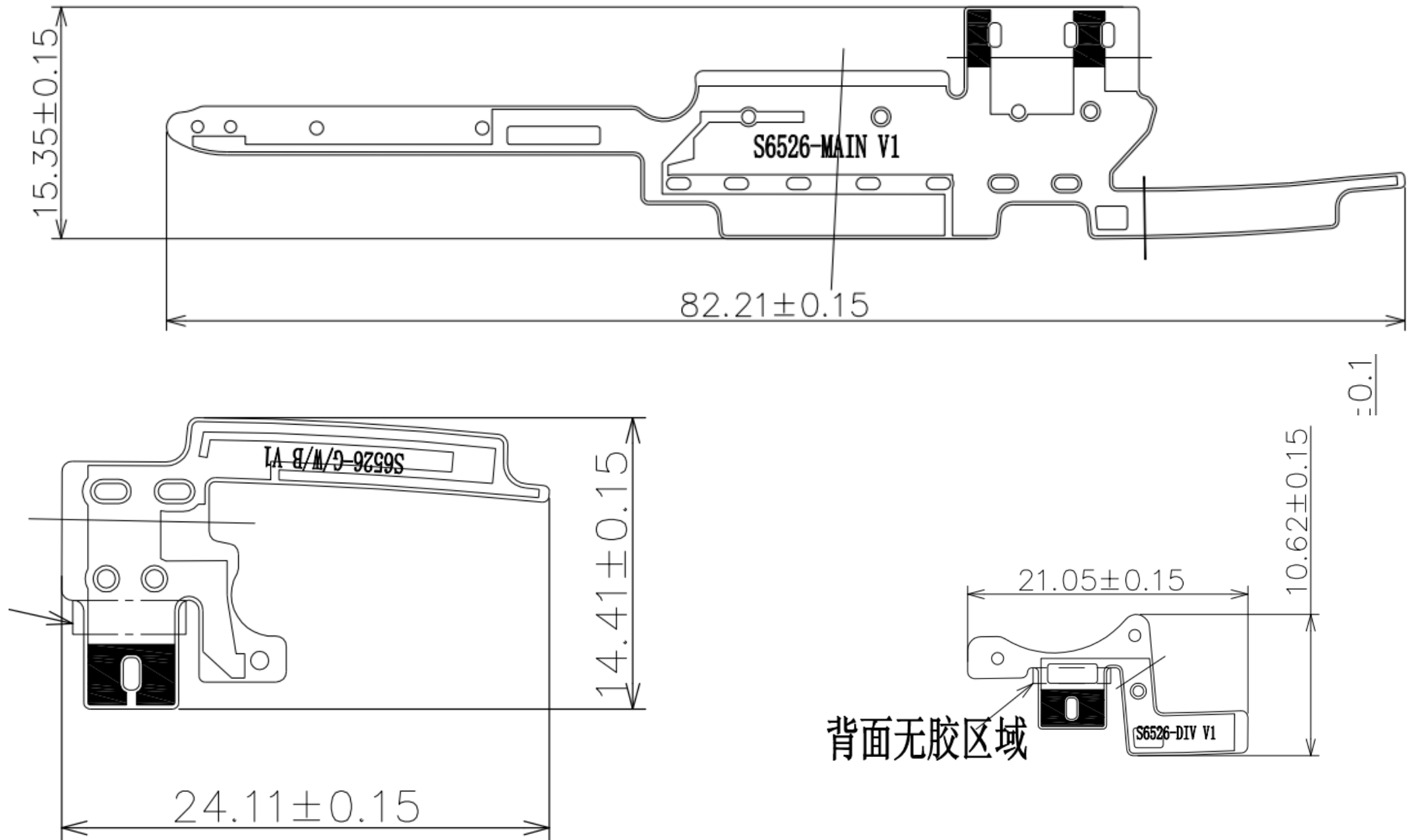
GWB antenna apple diagram



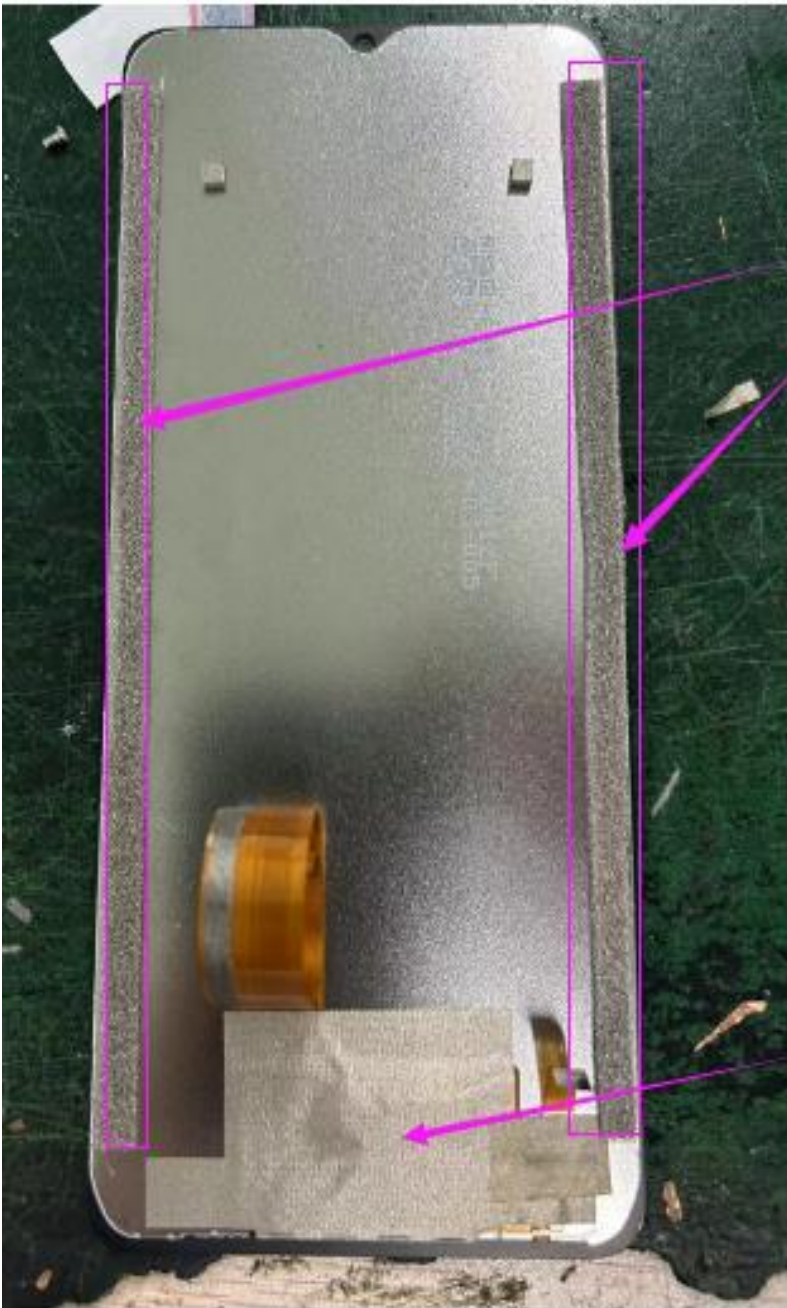
Device Test scenario



Antenna size diagram

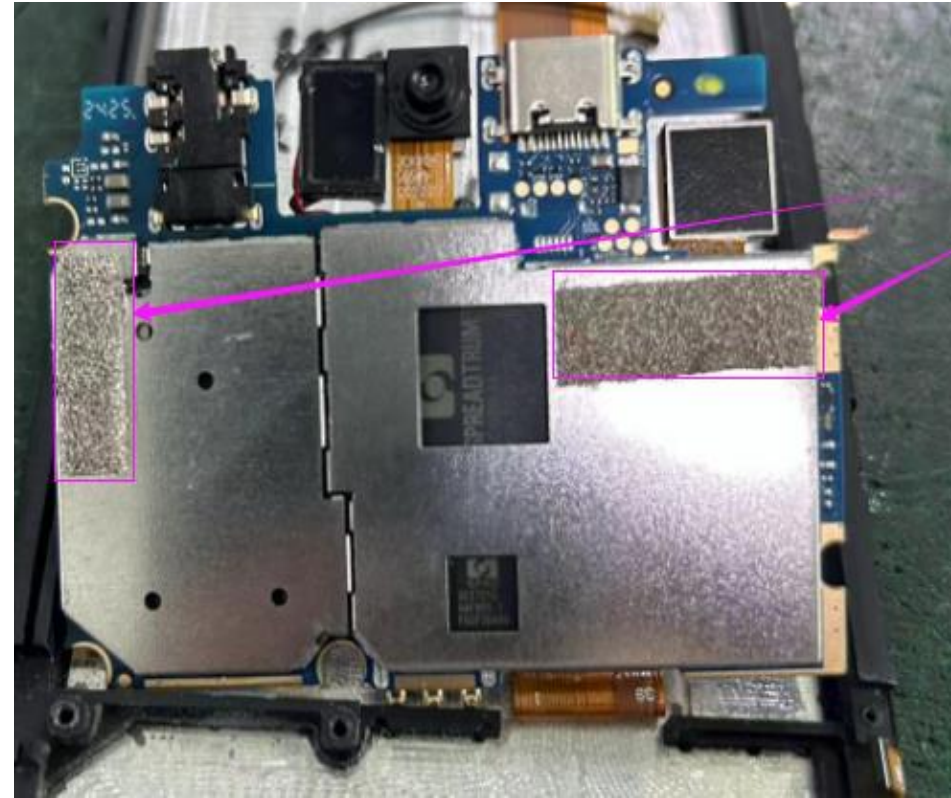


Environmental treatment



屏两侧
用导电
海绵接
地。

屏FPC用
导电布盖
住接地

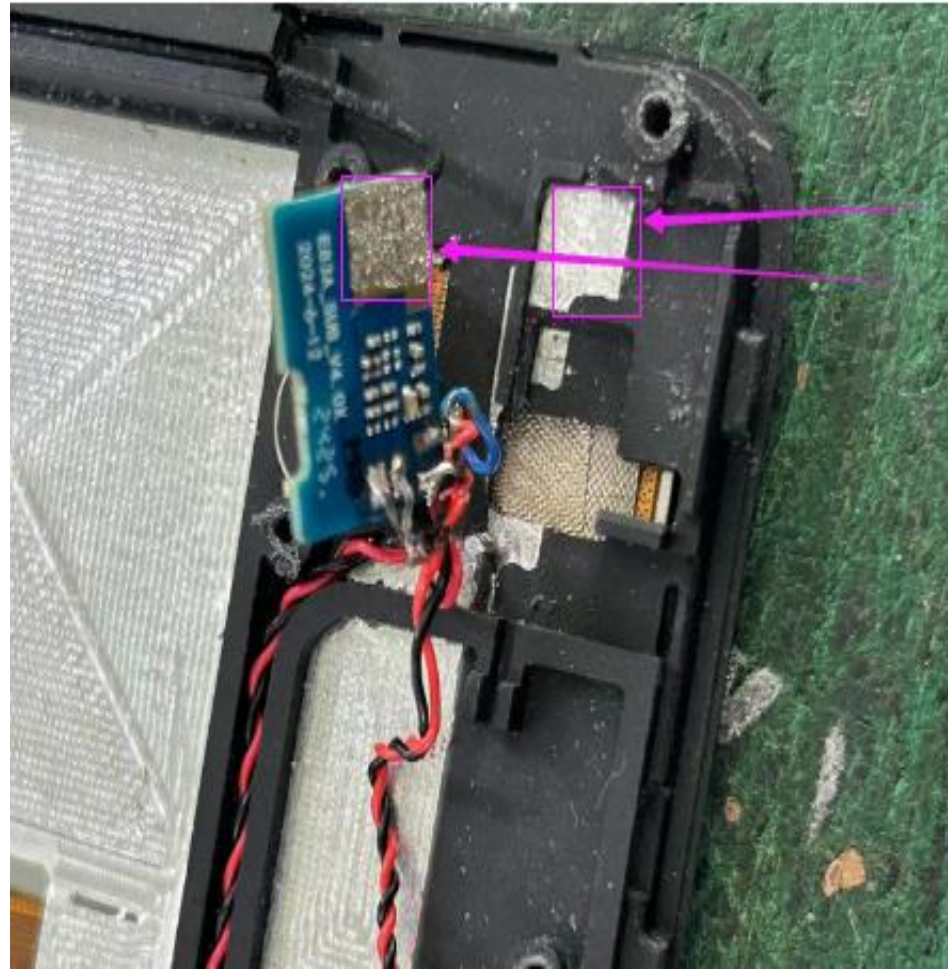


主板下方两
处用导电海
棉接地。

Environmental treatment



喇叭用导电布接地



小板下方用导电海棉接与前壳对对应位置接地

WIFI/GPS

