



福州市瀚宇正达电子有限公司

Word Easy Electronics Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2024/12/20

Date

编号 24122002

File No

版本 1.0

Revision

客户 星网 Star-net

CUSTOMER: _____

客户料号

CUSTOMER NO: _____

品名 4G Antenna L=2000mm

PART NAME: _____

供方料号 WE007W.M0103.V01

SUPPLIER NO: _____

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

Hunter

Luo

Liu



承认书项目表

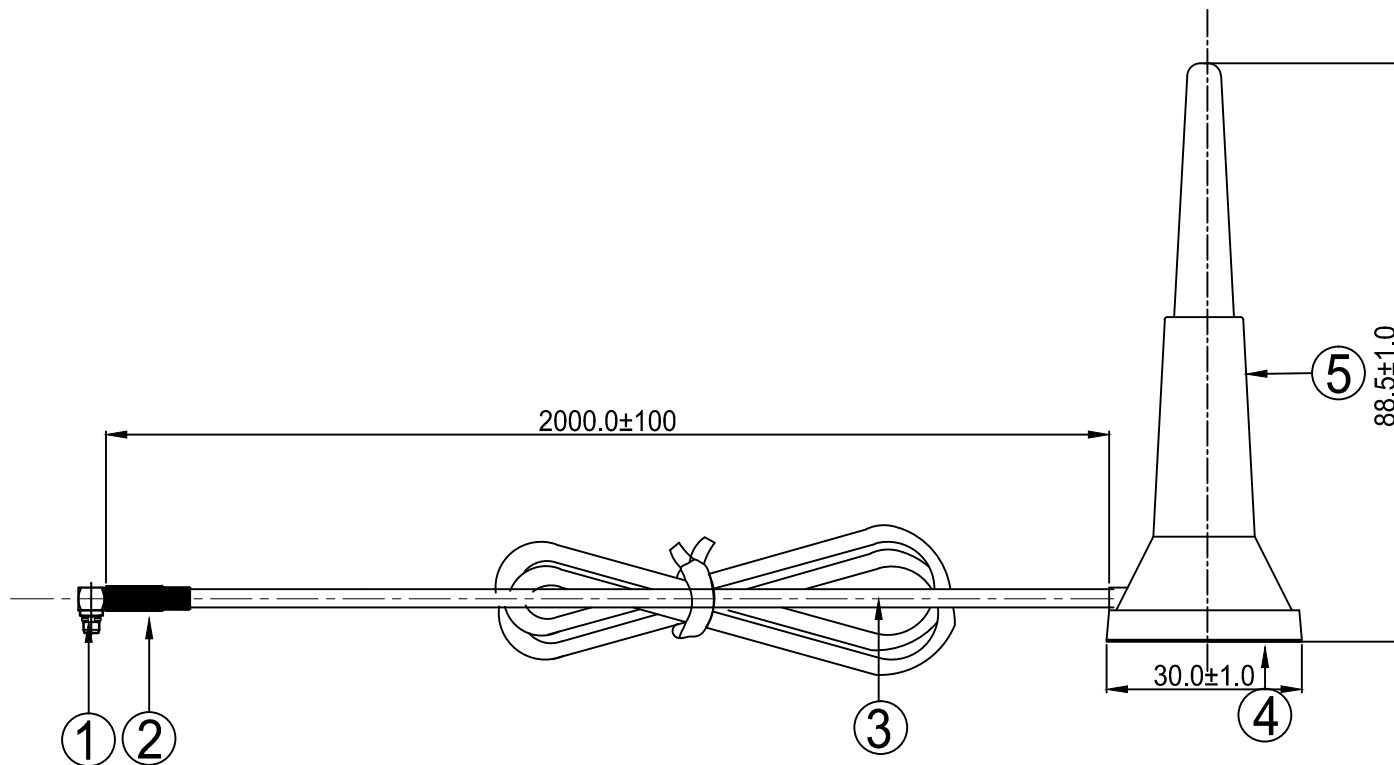
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10	N/A	N/A	N/A
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RoHS
Compatible

REV.	DESCRIPTION	DATE
△	Initial Issue 首次发行	2024.12.20
△	热缩套管剪短5mm	2025.02.20

Heat shrink tubing shortened by 5mm



5	Shell	Ø30*88.0mm Black	PLA0023.V01	1
4	PVC	Ø29.5*0.3mm Black	LAB0009.V01	1
3	Cable	RG174 Black	CAB0174.V02	1
2	Heat Shrink Tube	Ø4.0*15.0mm Black	TUB0021.V02	1
1	90°MMCX	Cu Au Plated	CON0047.V01	1
NO	PART NAME	DESCRIPTION	Part Number	Q.TY

		福州市瀚宇正达电子有限公司		Tel :0591-22628085	
		World Easy Electronics Co.,Ltd.		Fax:0591-22627656	
PART NAME: 4G Antenna L=2000mm					
PART NO.: WE007W.M0103.V01			DATE: 2025-02-20		
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance	
			UNITS: mm	X.X ±0.50	
			SCALE: 1/1	X.XX±0.15	
			REVISION: A	X° ±3°	



天线规格

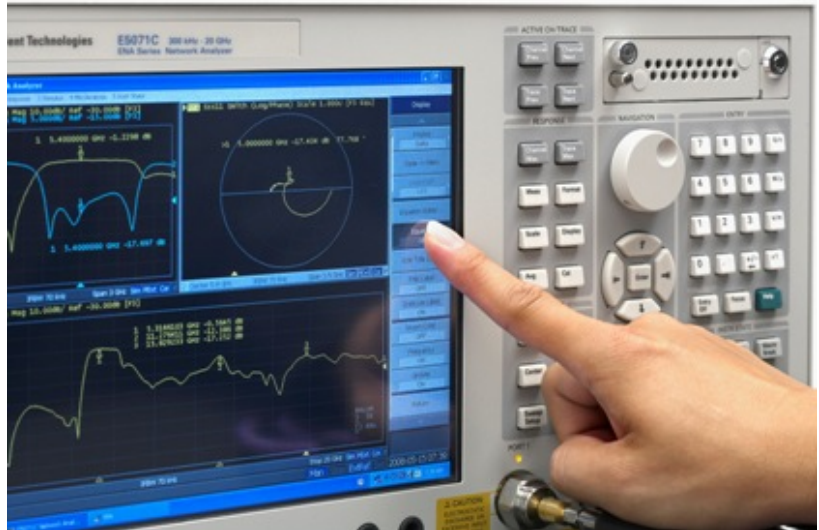
Antenna Specification

Electrical Properties	
Frequency	700~960MHz 1710~2690MHz
Impedance	50 Ohm Nominal
V.S.W.R	See Page 5
Return Loss	See Page 5
Radiation	Omni-directional
Gain (Peak)	2.8dBi@700~960MHz 3.2dBi@1710~2690MHz
Polarization	Linear
Connector	90°MMCX
Physical Properties	
Antenna Material	ABS+PC
Cable Type	RG174//L=2000mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

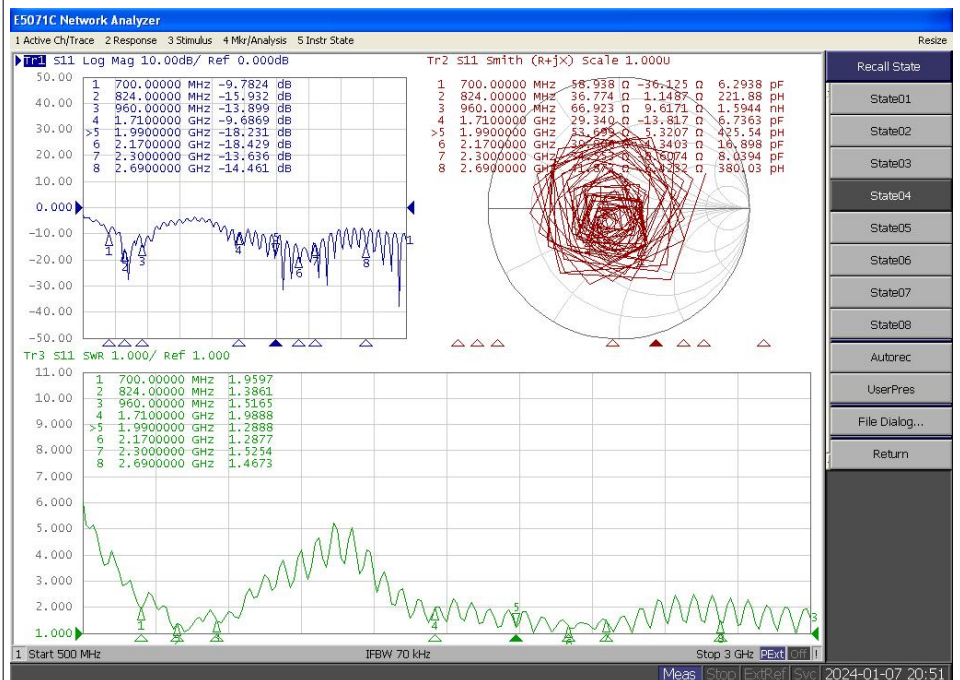


Antenna Performance Test

**Agilent
E5071B**

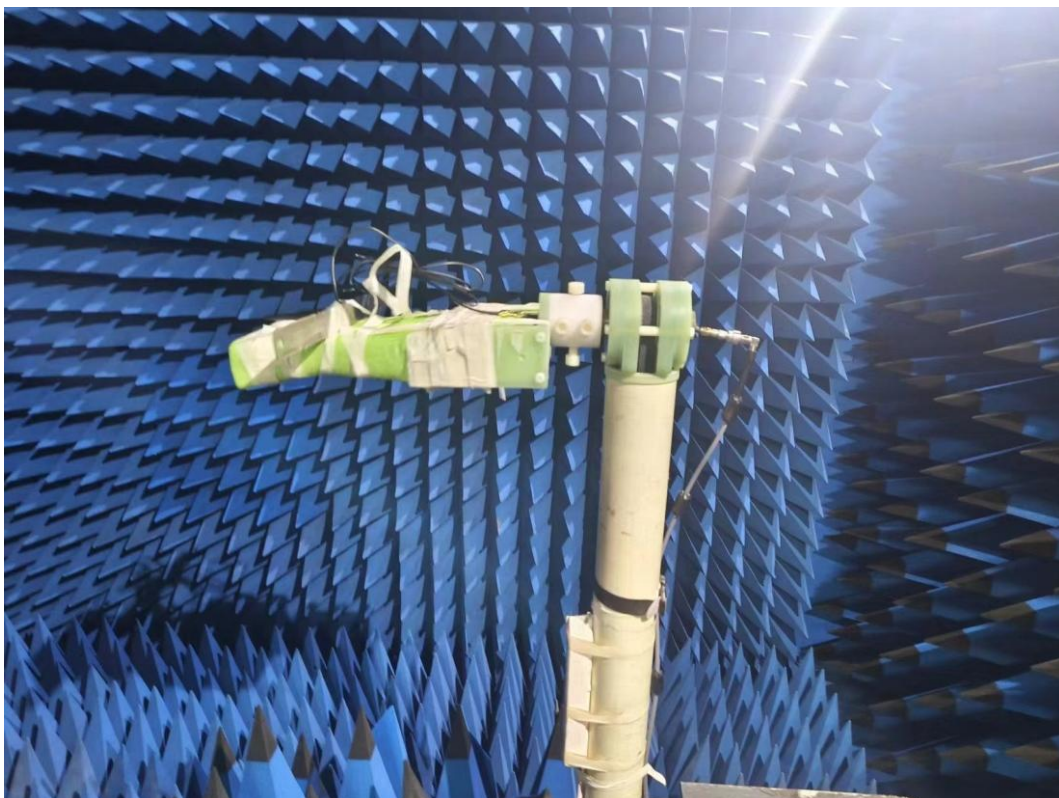
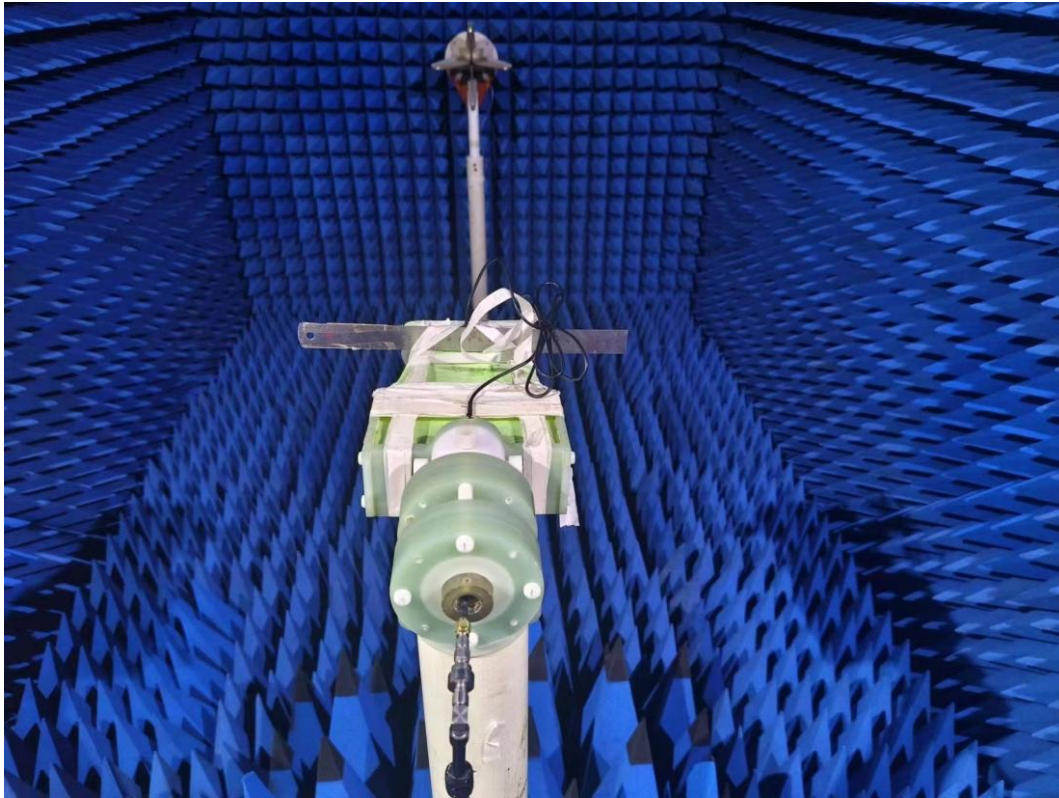


**S
Parameter
Test //
LTE**





Antenna Passive Test





Passive Test For 4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
700	64.7	-1.9	1.6
720	72.3	-1.4	2.8
740	74.1	-1.3	1.9
760	63.5	-2.0	1.3
780	47.3	-3.3	0.6
800	49.6	-3.0	0.6
820	46.9	-3.3	0.7
840	46.9	-3.3	1.1
860	50.1	-3.0	2.0
880	48.3	-3.2	1.8
900	49.9	-3.0	1.1
920	46.1	-3.4	0.7
940	48.7	-3.1	1.0
960	46.0	-3.4	0.7



Passive Test For 4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
1700	55.3	-2.6	2.9
1740	55.7	-2.5	3.2
1780	53.3	-2.7	3.1
1820	49.5	-3.1	2.4
1860	49.7	-3.0	2.2
1900	45.7	-3.4	1.7
1940	43.7	-3.6	1.7
1980	48.1	-3.2	2.1
2020	48.2	-3.2	2.1
2060	53.0	-2.8	1.9
2100	52.2	-2.8	1.8
2140	41.7	-3.8	0.9
2180	46.0	-3.4	1.6



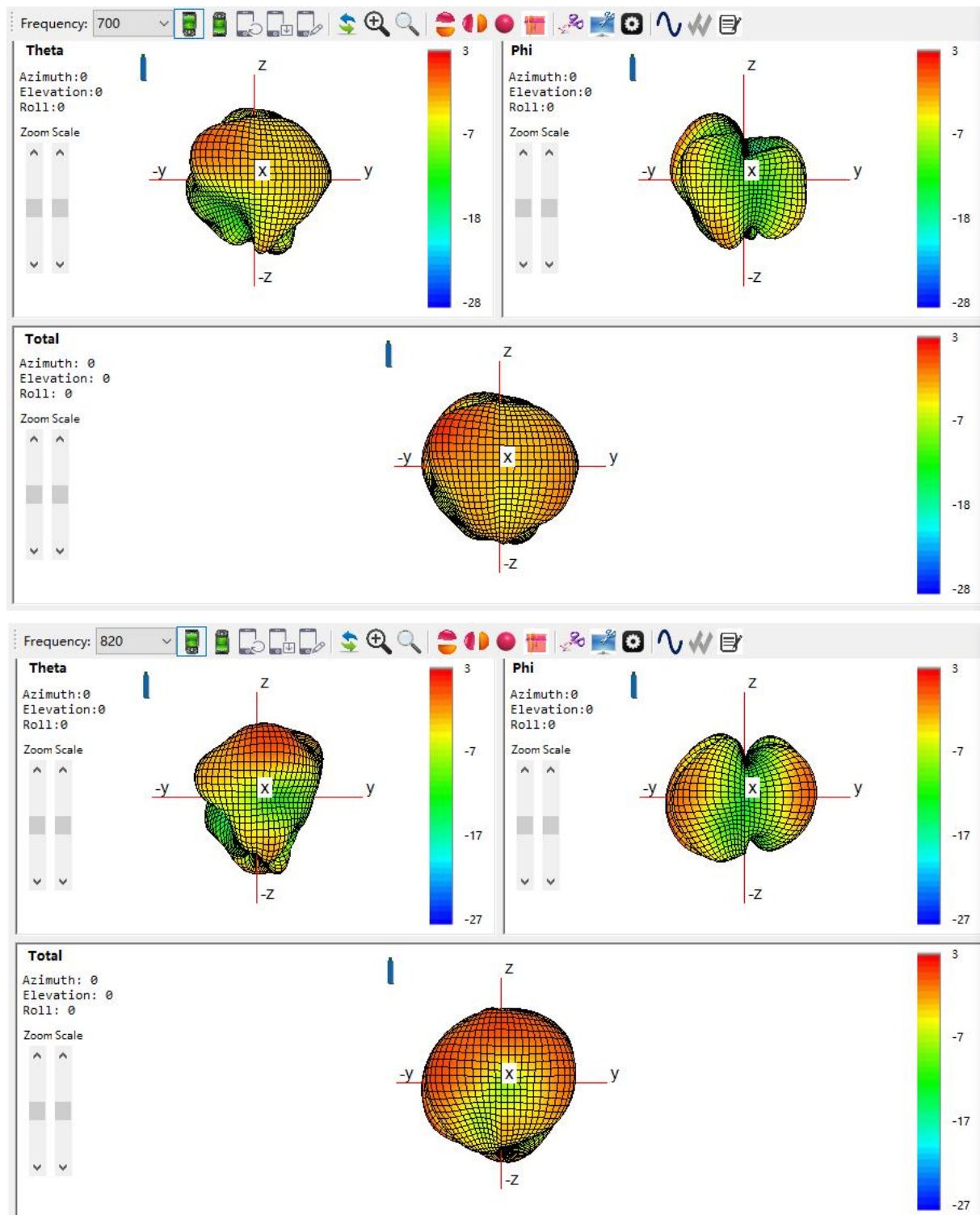
Passive Test For 4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2300	45.6	-3.4	2.4
2340	43.1	-3.7	2.3
2380	37.8	-4.2	1.8
2420	33.2	-4.8	1.6
2460	32.5	-4.9	1.3
2500	30.7	-5.1	1.2
2540	26.9	-5.7	0.6
2580	25.4	-6.0	1.2
2620	28.3	-5.5	1.8
2660	34.4	-4.6	2.8
2700	36.8	-4.3	2.7



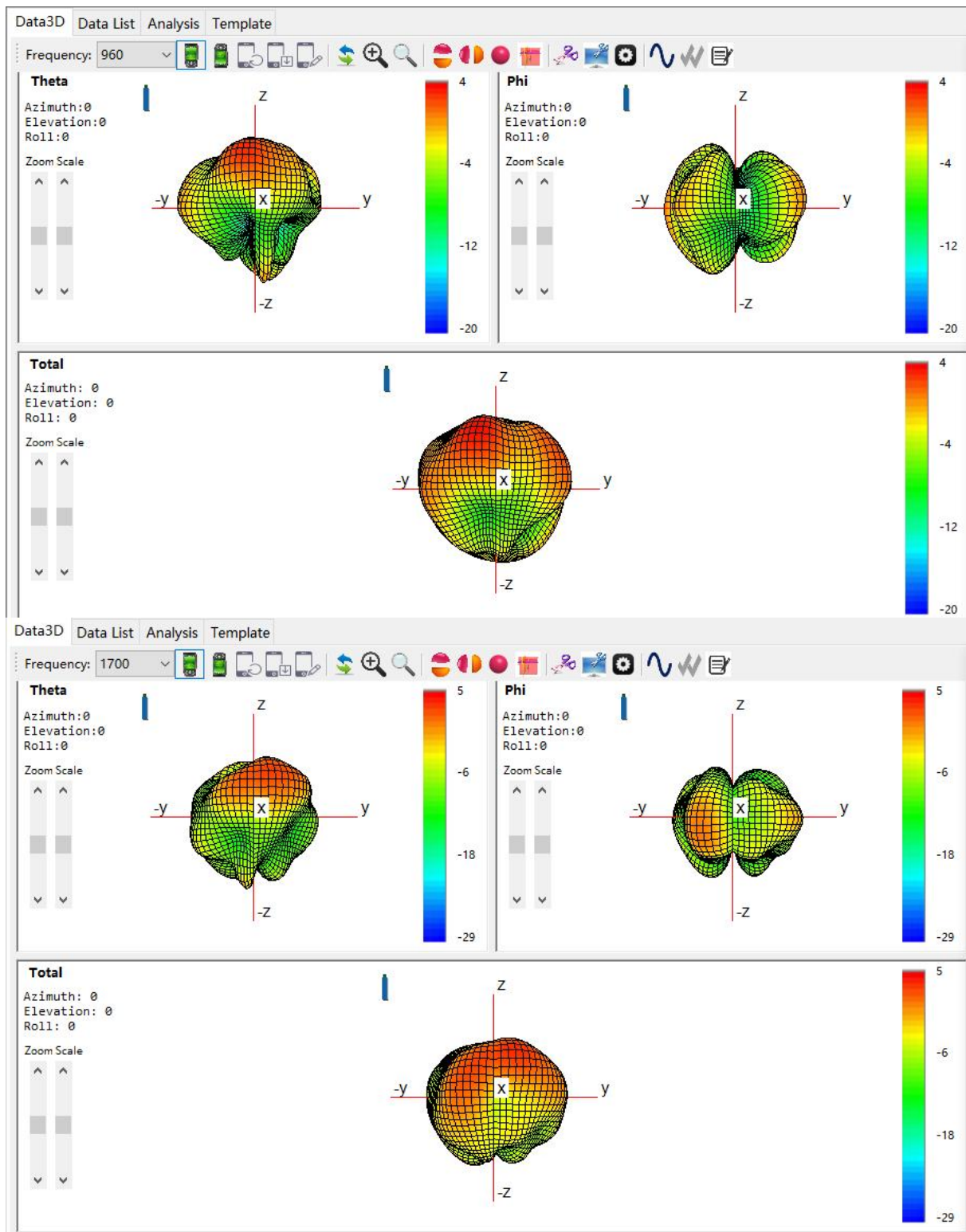
Antenna Radiation Pattern

3D



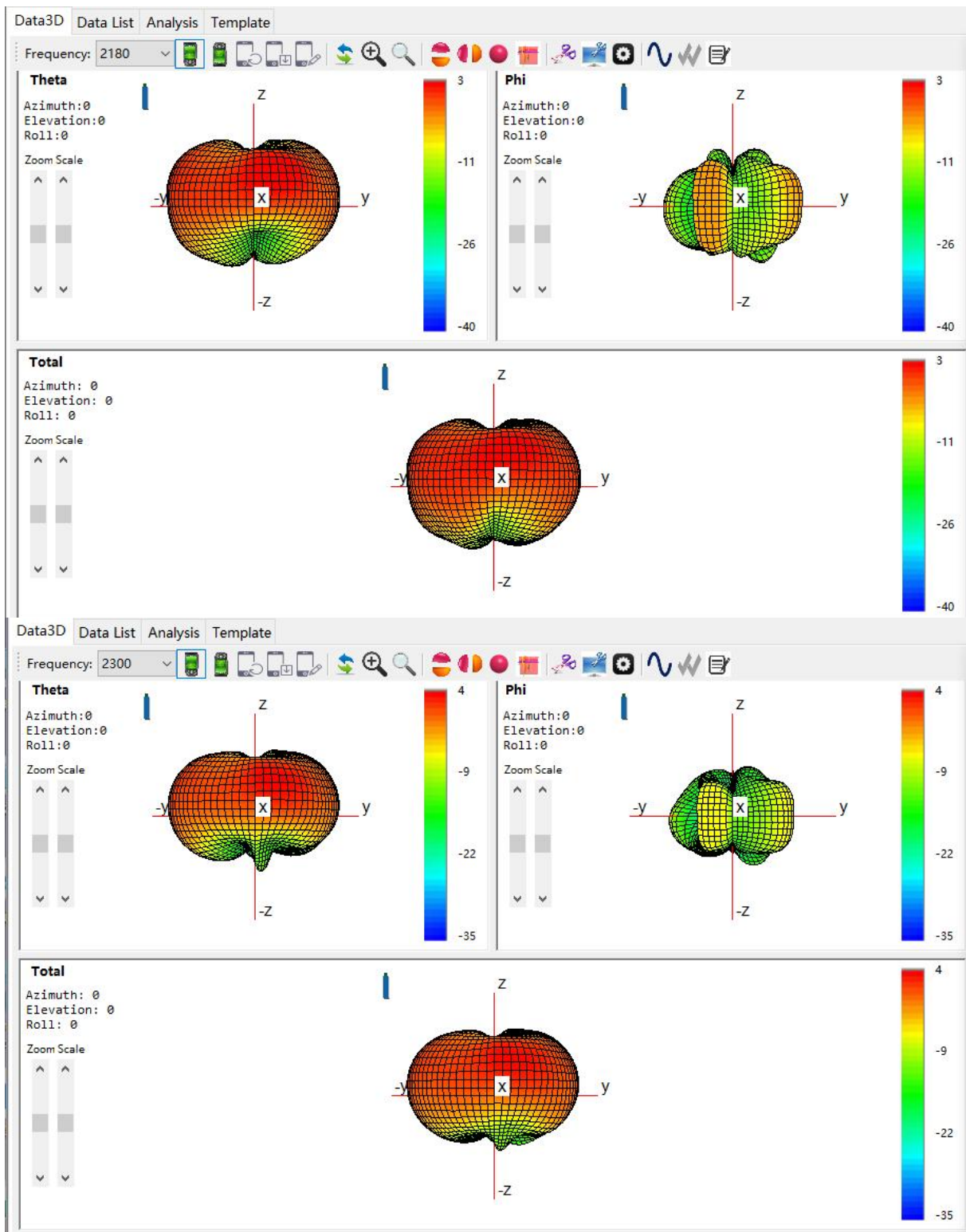


3D



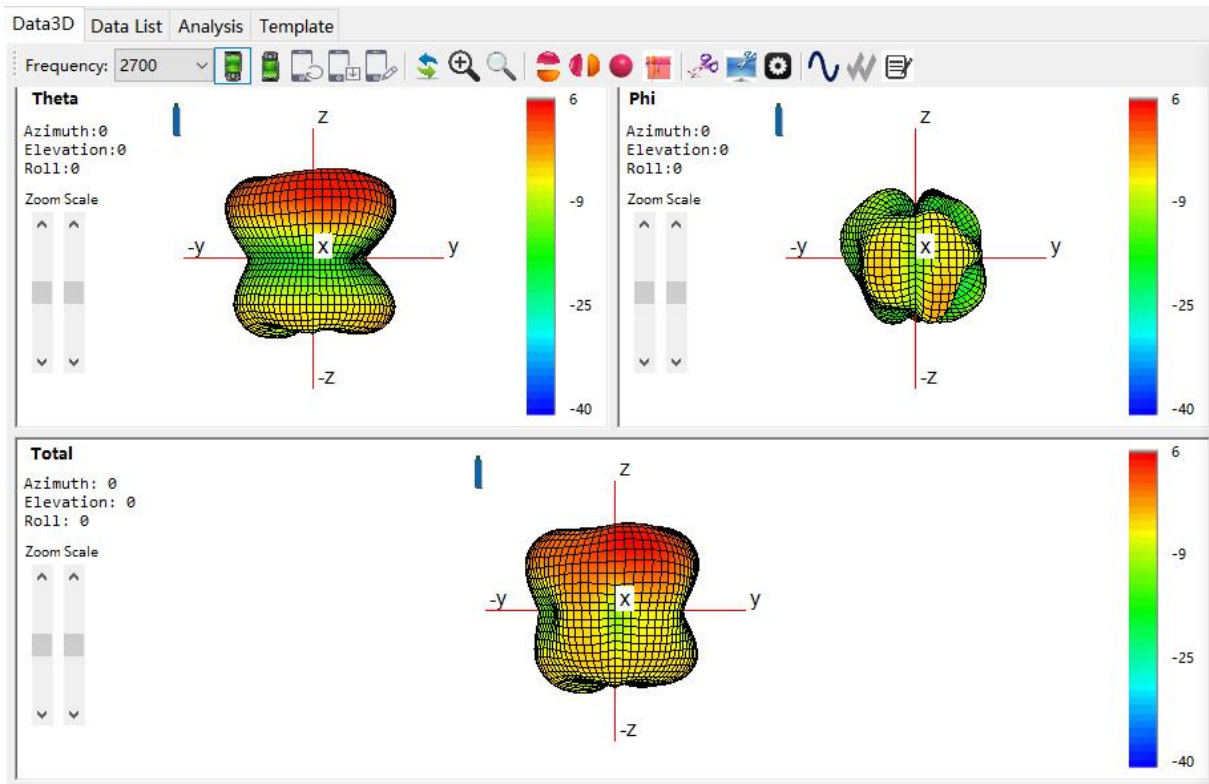


3D



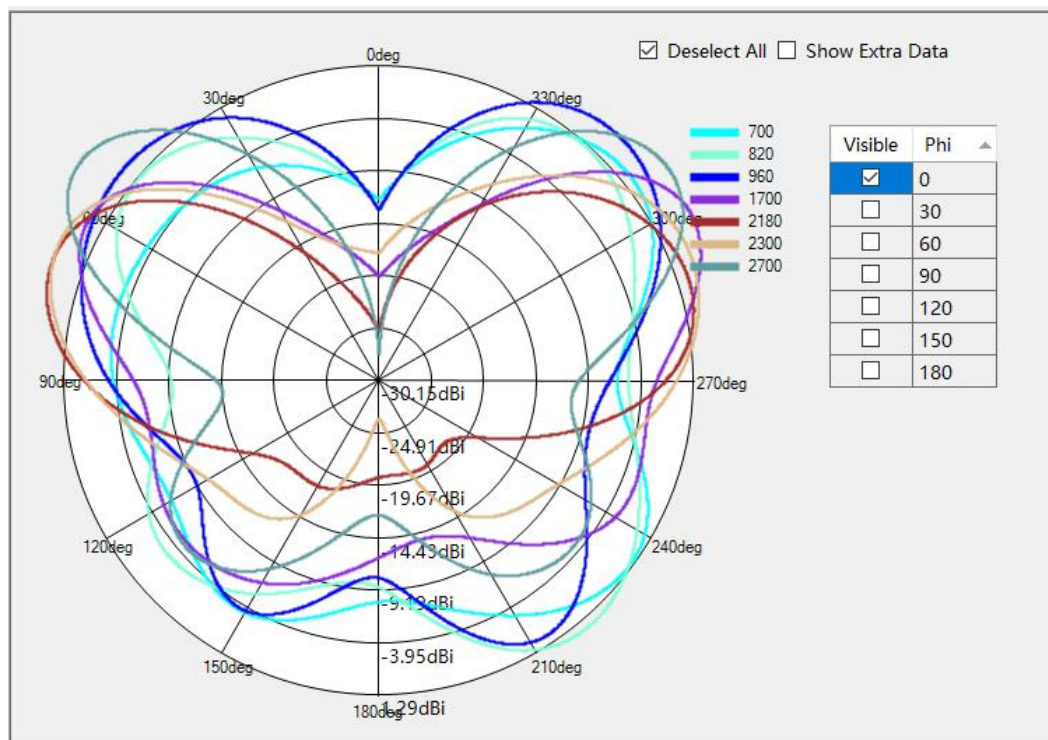


3D

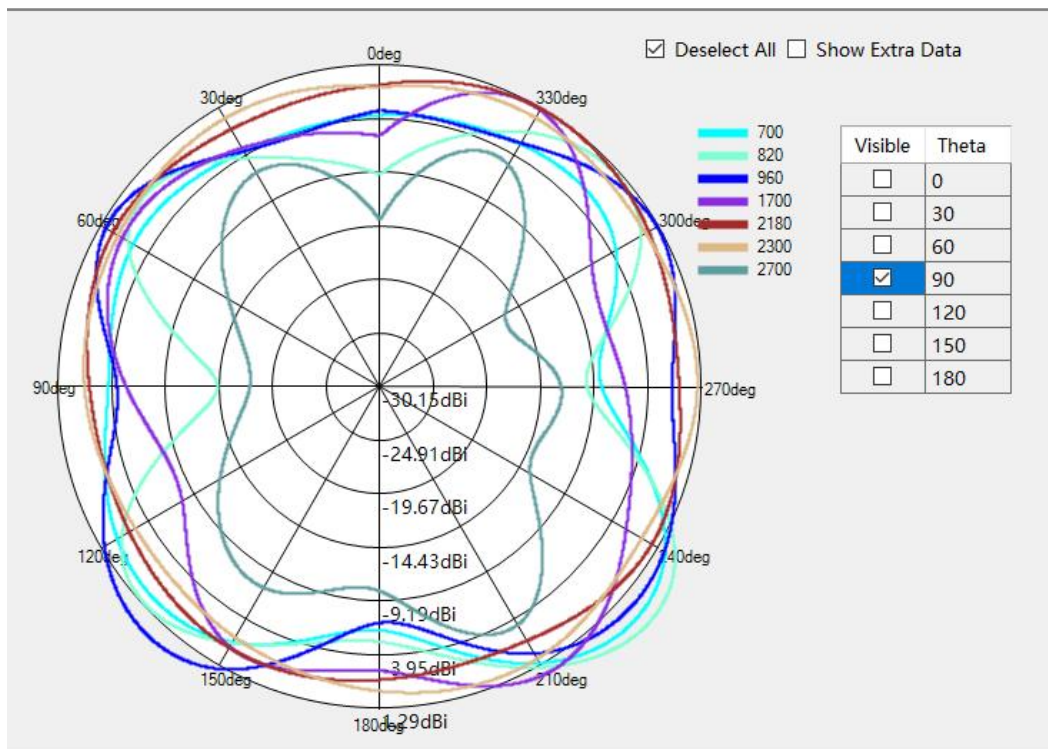




2D



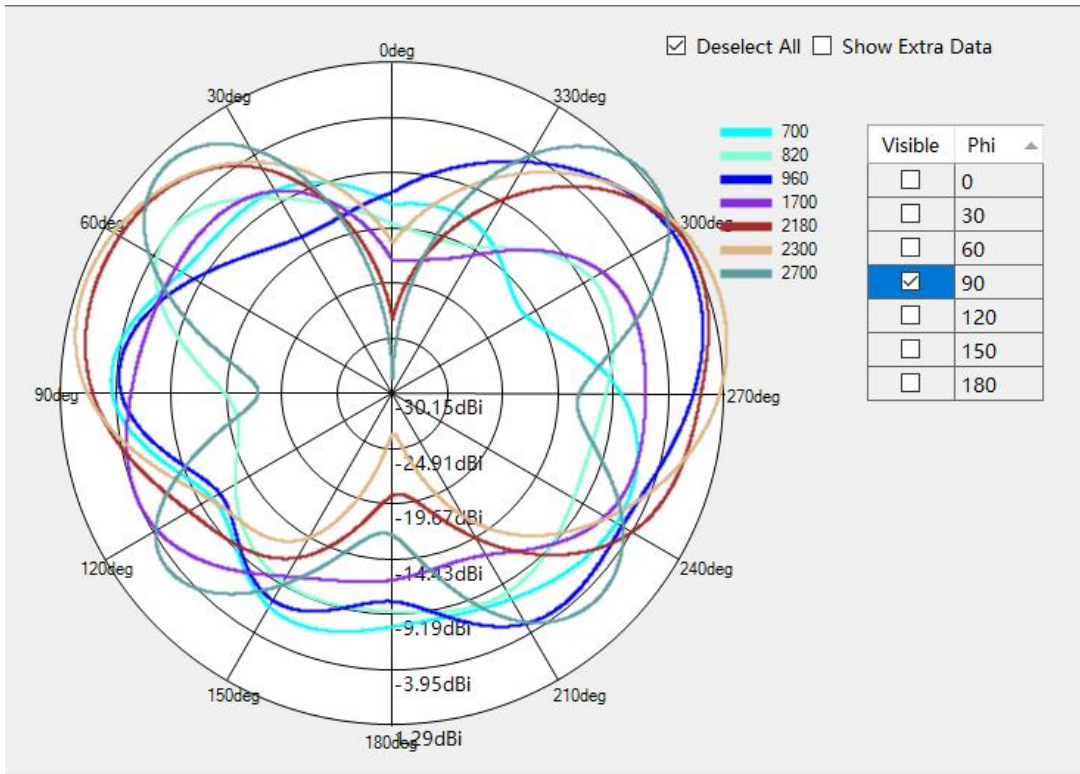
XOZ



XOY



2D



YOZ



Sample Photo

