

**【O3】**

# **Antenna\_Performance\_Description20241009**

**【O3】 Antenna\_Performance\_Description20241008**

## **Antenna Performance Description**

**Product description: Mobile Phone**

**Model:O3**

**Test Date: 2024/08/08**

Antenna	Model Name	Antenna Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT8	O3	Metal Frame	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xierqi Middle Road, Haidian District, Beijing
ANT12	O3	Metal Frame	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xierqi Middle Road, Haidian District, Beijing
ANT15	O3	Metal Frame	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xierqi Middle Road, Haidian District, Beijing
ANT16	O3	Metal Frame	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xierqi Middle Road, Haidian District, Beijing
NFC	O3	L-form	FPC Antenna	Shenzhen Haidemen Electronic	/

				Co., Ltd.	
WPT	O3	Planar Coil	Wire Coil	Shanghai Demen Electronics Technology Co./Lixun Precision Industry Co.	/

## ANT15:

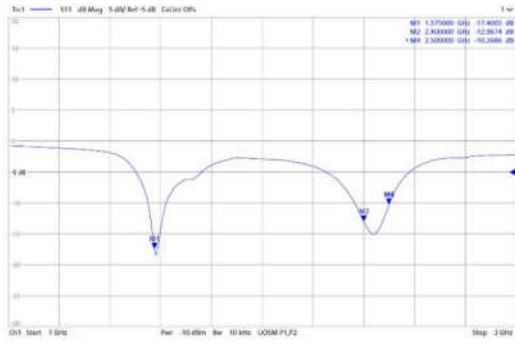
Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-5.2	-1.1

## ANT 16

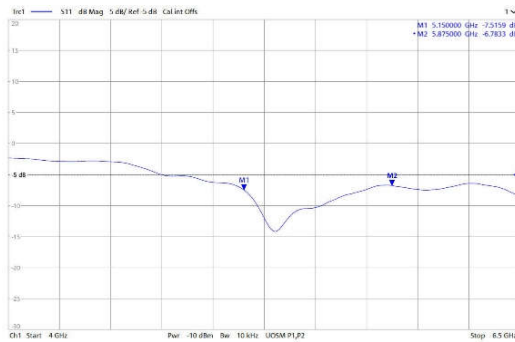
Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
5G (5.15-5.25GHZ)	-6.5	-1.3
5G (5.25-5.35GHZ)	-7	-2
5G (5.47-5.725GHZ)	-7.2	-2
5G (5.725-5.85GHZ)	-6.8	-1.3
6e B5(5.935-6.415GHz)	-7.1	-2.8
6e B6(6.435-6.515GHz)	-8.1	-3.1
6e B7(6.535-6.855GHz)	-8.5	-3.5
6e B8(6.875-7.115GHz)	-8.7	-3

# S11:

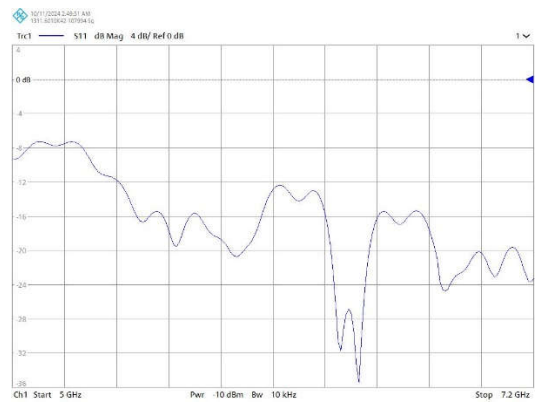
wifi2. 4G:



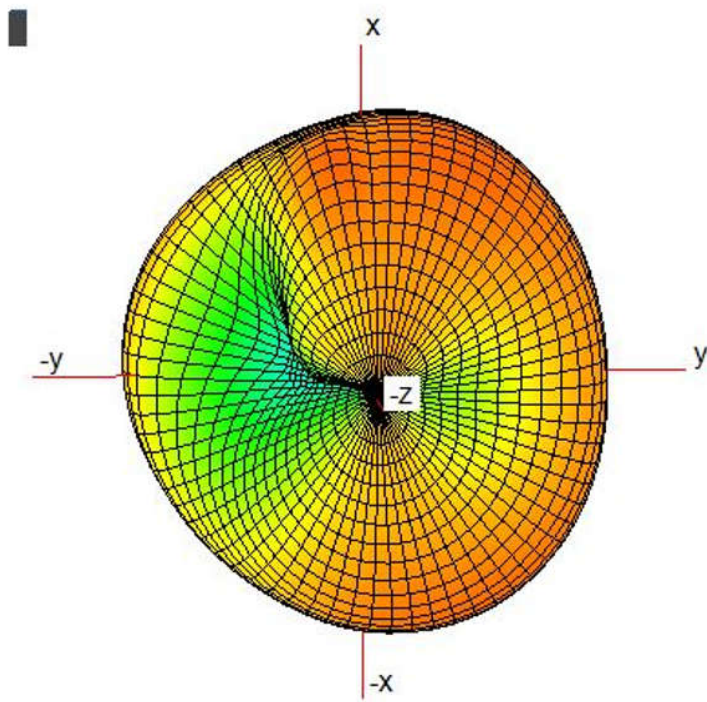
wifi5G:



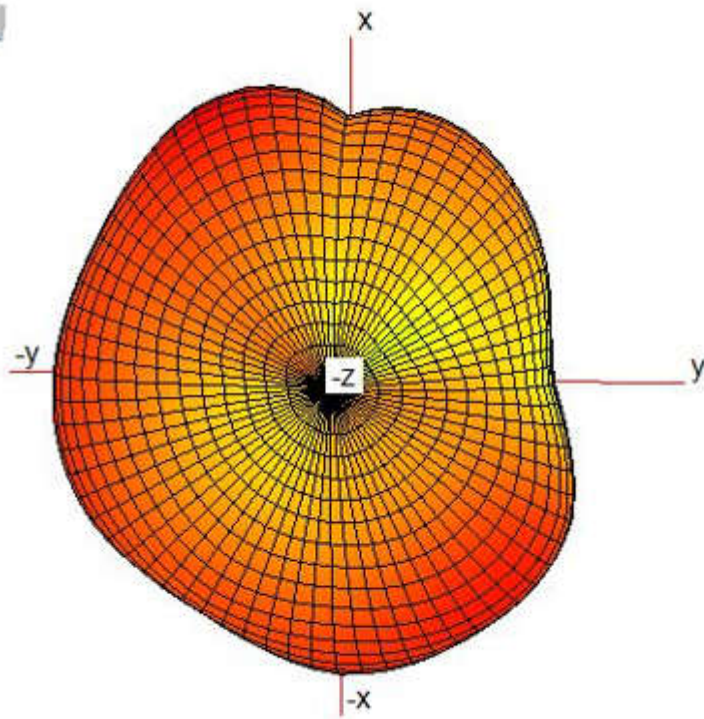
Wifi6E:



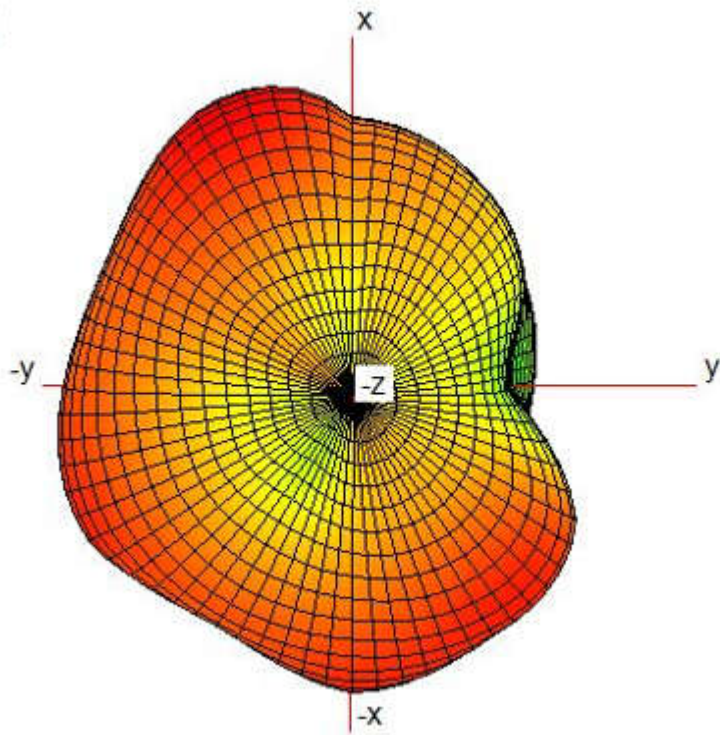
2450:



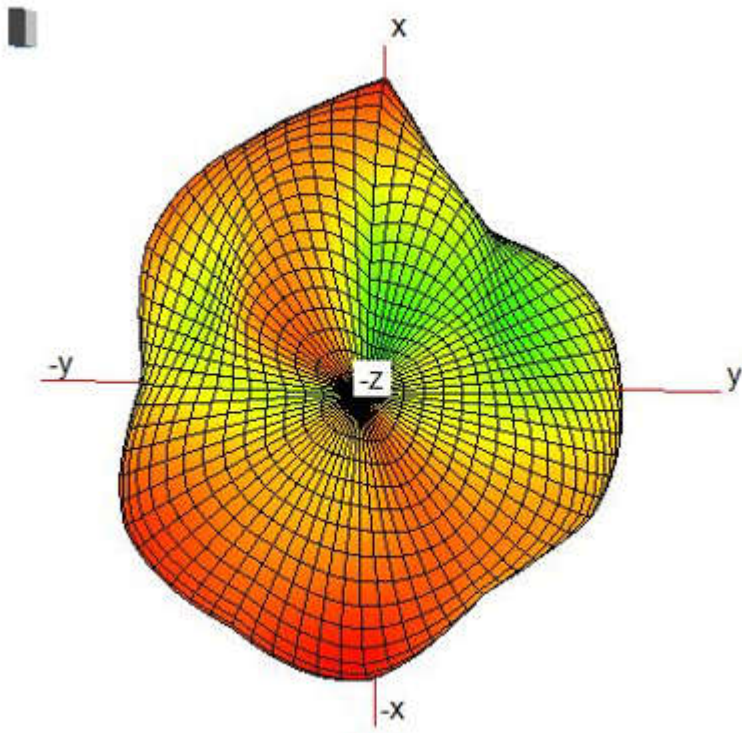
5200:



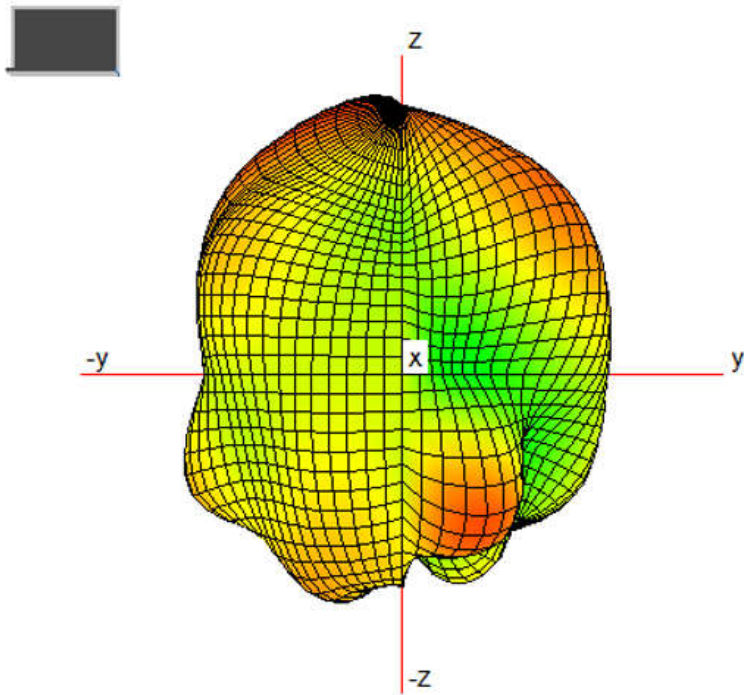
5300:



5800:

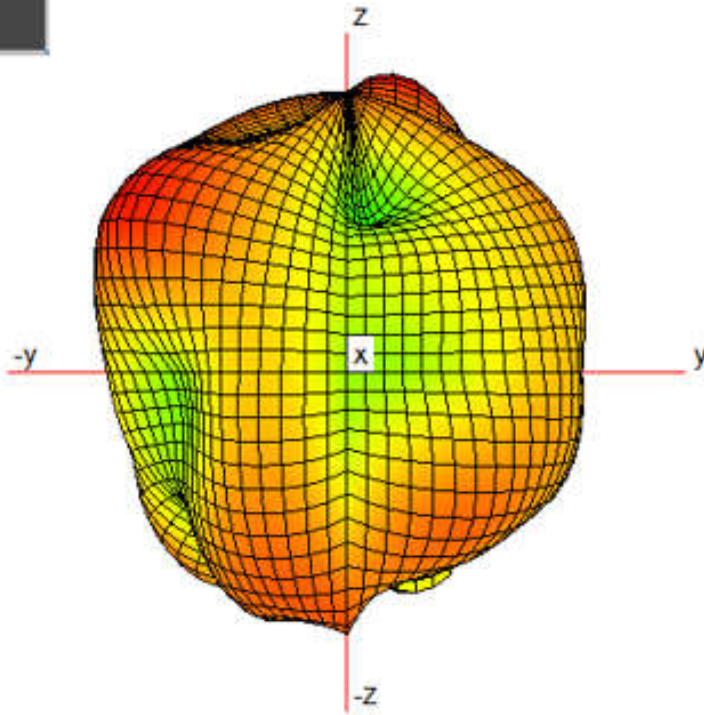


6000:

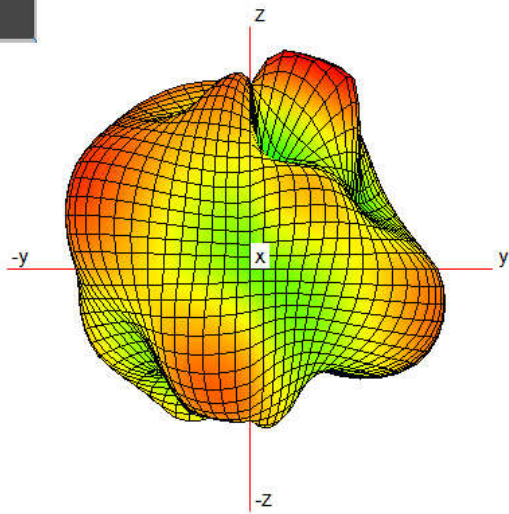


6500:





7000:



## ANT8:

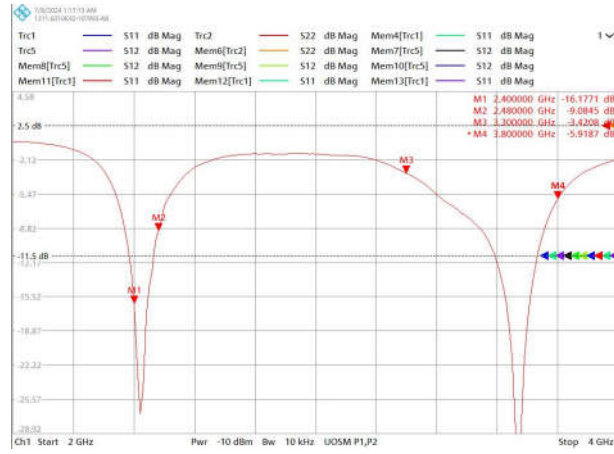
Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-4.4	0.1

## ANT12:

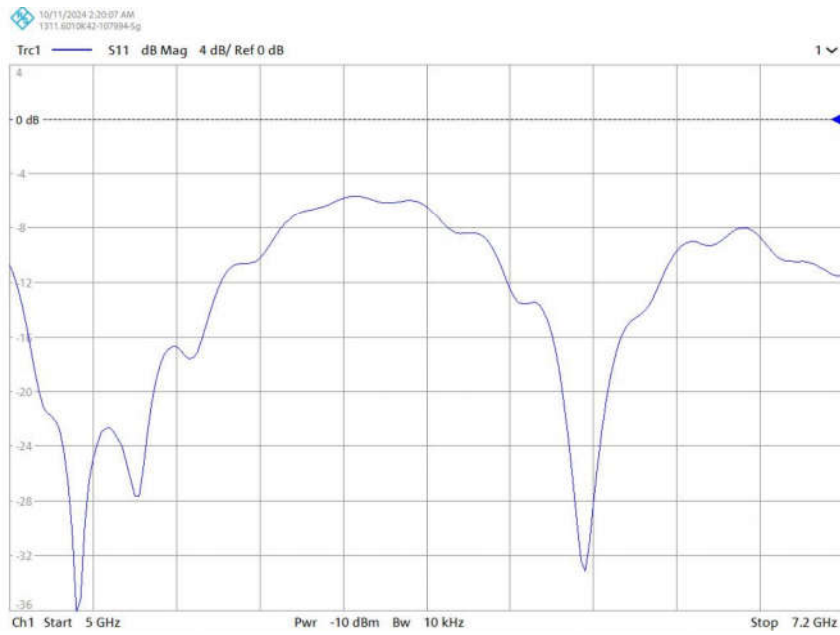
Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
5G (5.15-5.25GHZ)	-7.5	-3
5G (5.25-5.35GHZ)	-7	-2.5
5G (5.47-5.725GHZ)	-6.4	-2
5G (5.725-5.85GHZ)	-7.7	-4.1
6e B5(5.935-6.415GHz)	-8.9	-2.8
6e B6(6.435-6.515GHz)	-7.7	-2.6
6e B7(6.535-6.855GHz)	-7.5	-2.6
6e B8(6.875-7.115GHz)	-8.7	-2.7

S11

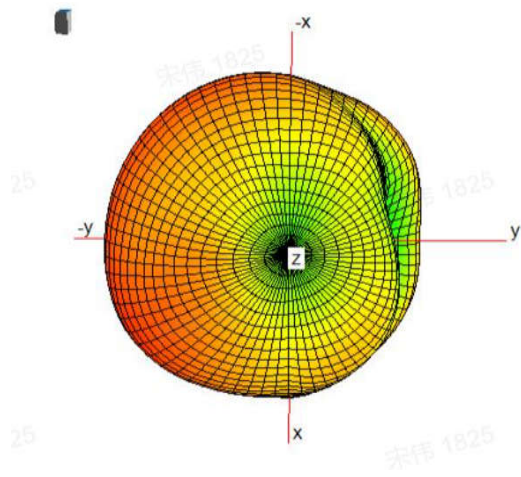
wifi2.4G:



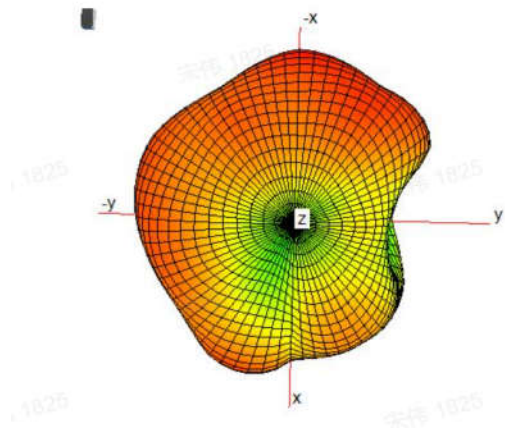
wifi5G/6E:



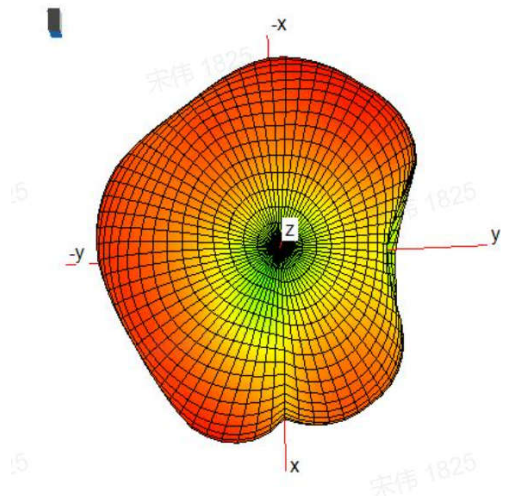
2450:



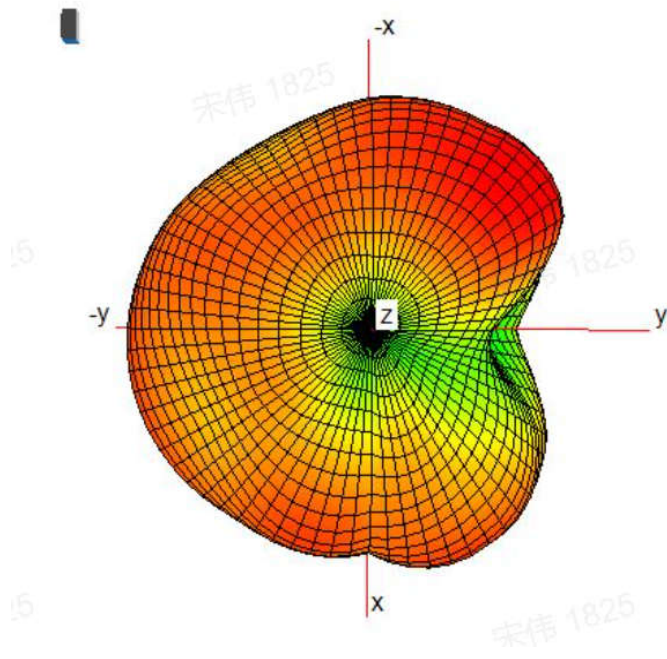
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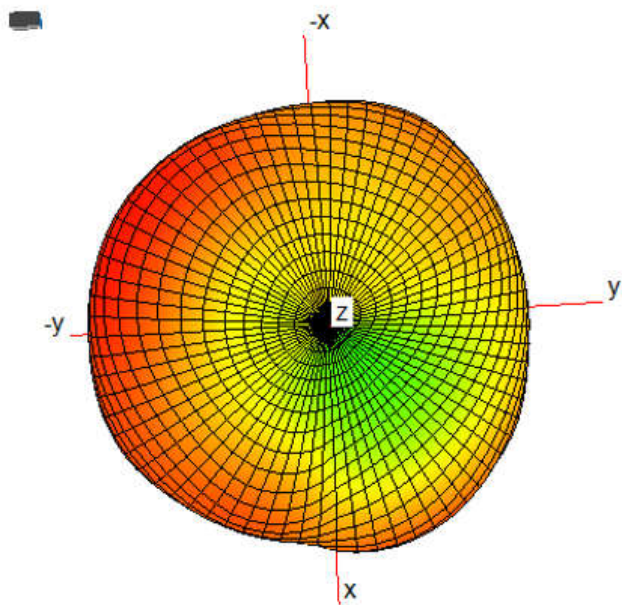
5300:



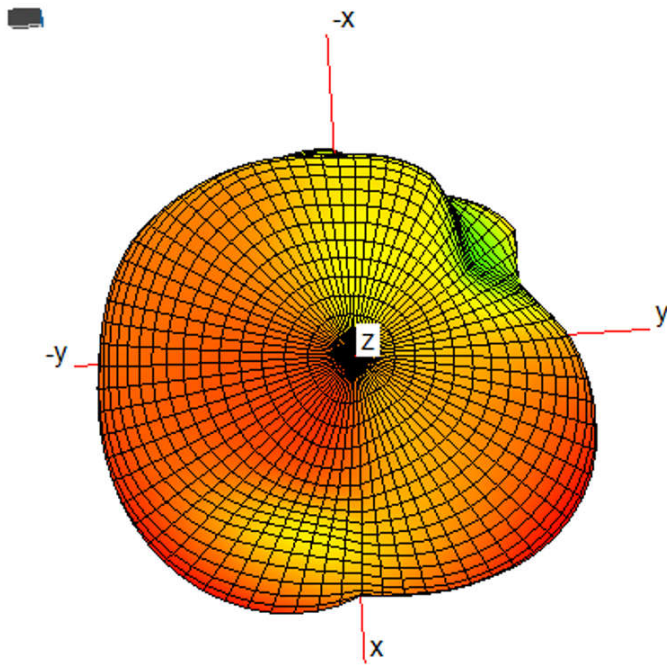
5800:



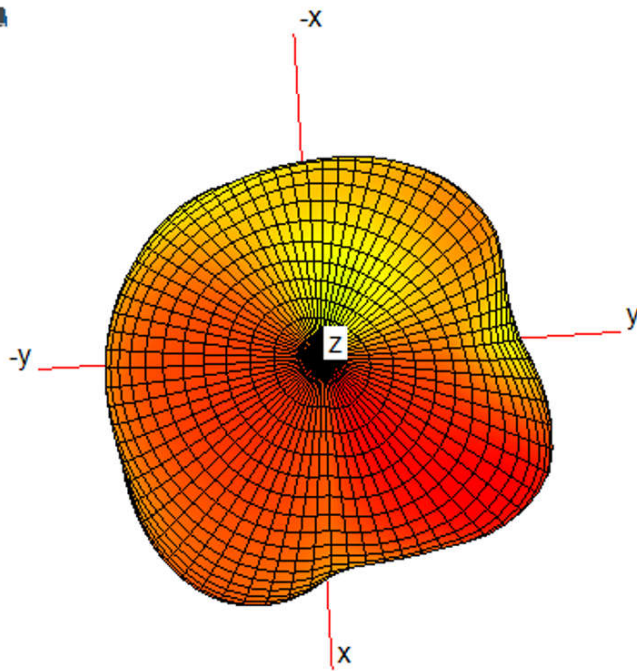
6000



6500



7000



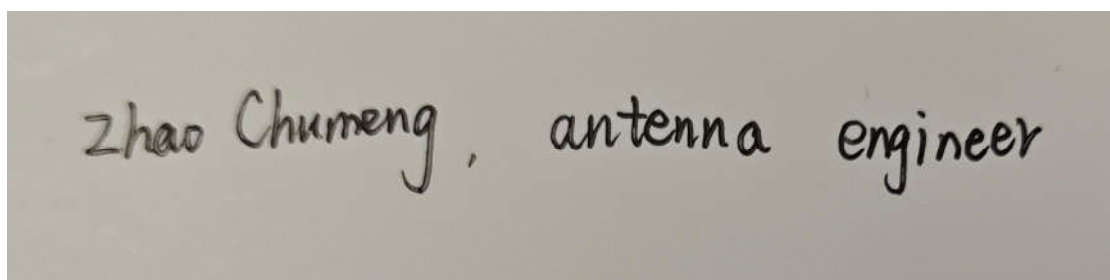
## Main Test Instruments:

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
2G/3G/4G Vector Network Analyzer	ROHDE & SCHWARZ	ZNB20	EQ00170 EQ00169	2024/6/30	2024/10/30
OTA TEST SYSTEM	GENERAL TEST	RayZone 2800	CT101204 80B5054	2024/6/30	2024/10/30

Test Software: GTS MaxSign-RayZone2800C\_Z

Signature: Zhao Chumeng

Title: Antenna Engineer



Zhao Chumeng, antenna engineer