

N1-WIFI Test Report

2022.10.09

NOVOCOMMS



DIRECTORY

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NVC Confidential

1.Equipment Under Test (EUT) Description



Wireless Type	WIFI
Test Frequency Band	2400MHz-2500MHz/5150MHz-5850MHz
Brand name	NA
Antenna model	NVC-N1-299-V4
Hardware Version	N/A
Software Version	N/A
IMEI	N/A
Sample number	1#

2. Test Results

2.1. Test Conditions

Relative Humidity:	25 ... 75 %
Temperature:	+10 °C to +30 °C

2.2. Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO

Item	Measurement Uncertainty(dB)
Gain	±0.5
VSWR	±0.2
Measurement Uncertainty(95% Confidence Interval) K=2	

2.Test Results

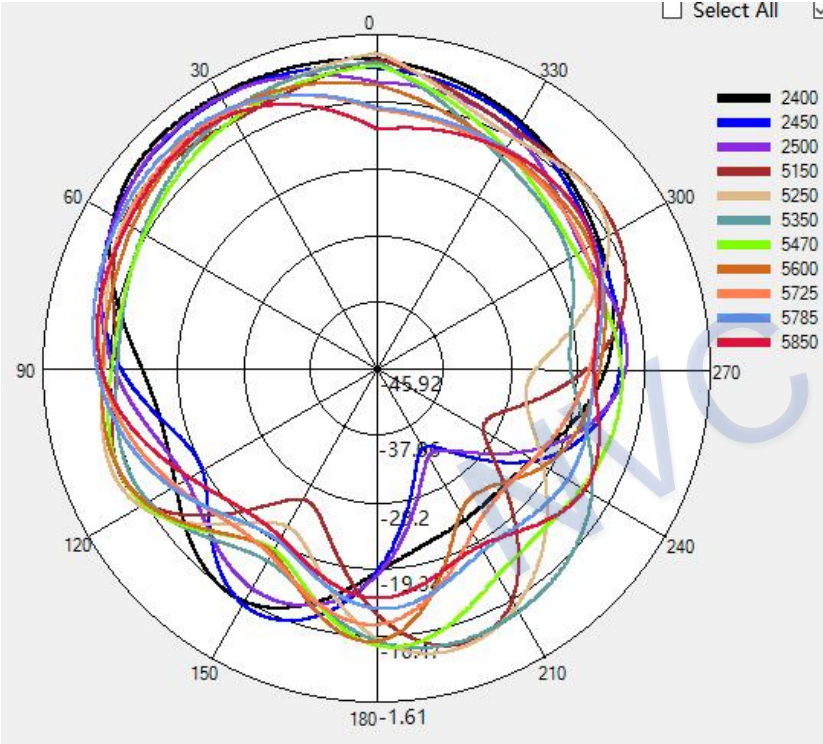
2.3.Gain

Main		AUX	
Freq. (MHz)	Gain(dBi)	Freq. (MHz)	Gain(dBi)
2400	-1. 14	2400	-0. 75
2450	-1. 53	2450	-1. 01
2500	-2. 06	2500	-1. 52
5150	-1. 05	5150	-2. 99
5250	-0. 25	5250	-3. 15
5350	-0. 43	5350	-2. 36
5470	-2. 2	5470	-3. 02
5600	-2. 82	5600	-2. 82
5725	-3. 99	5725	-2. 95
5785	-3. 45	5785	-2. 49
5850	-3. 28	5850	-2. 74

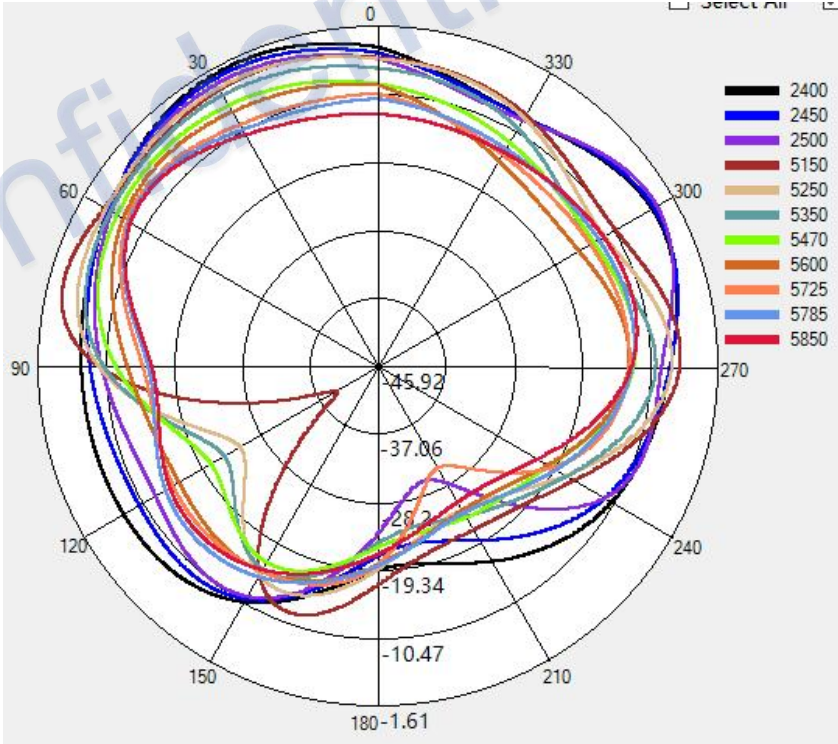
2.Test Results

2.4.2D Radiation Pattern (Main ANT)

Phi=0°



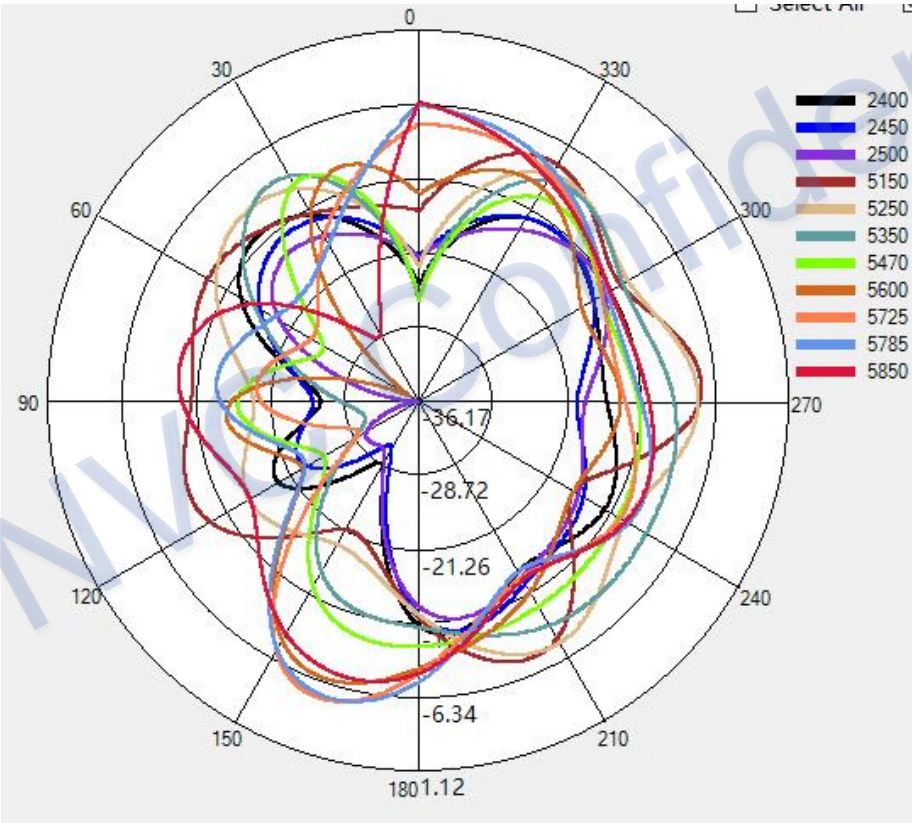
Phi=90°



2.Test Results

2.4.2D Radiation Pattern (Main ANT)

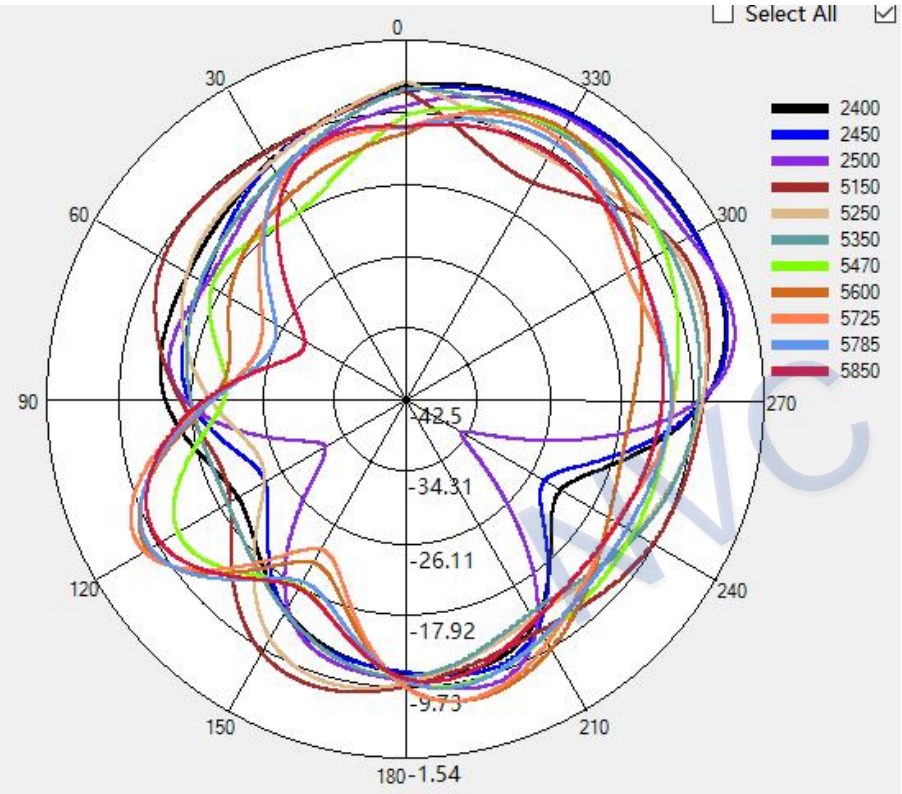
Theta=90°



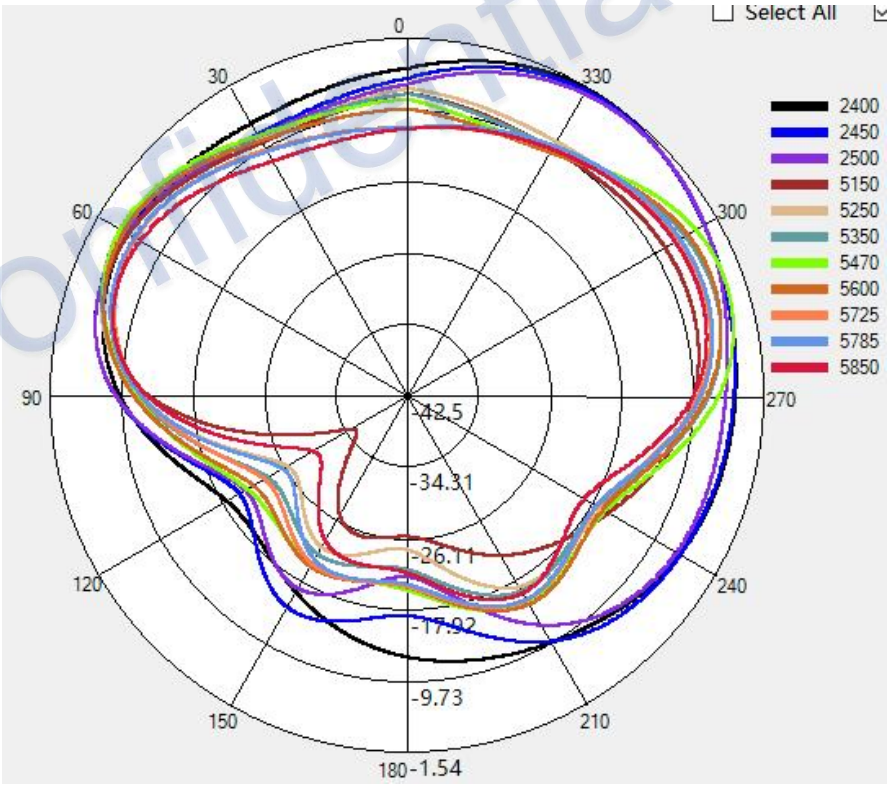
2.Test Results

2.4.2D Radiation Pattern (AUX ANT)

Phi=0°

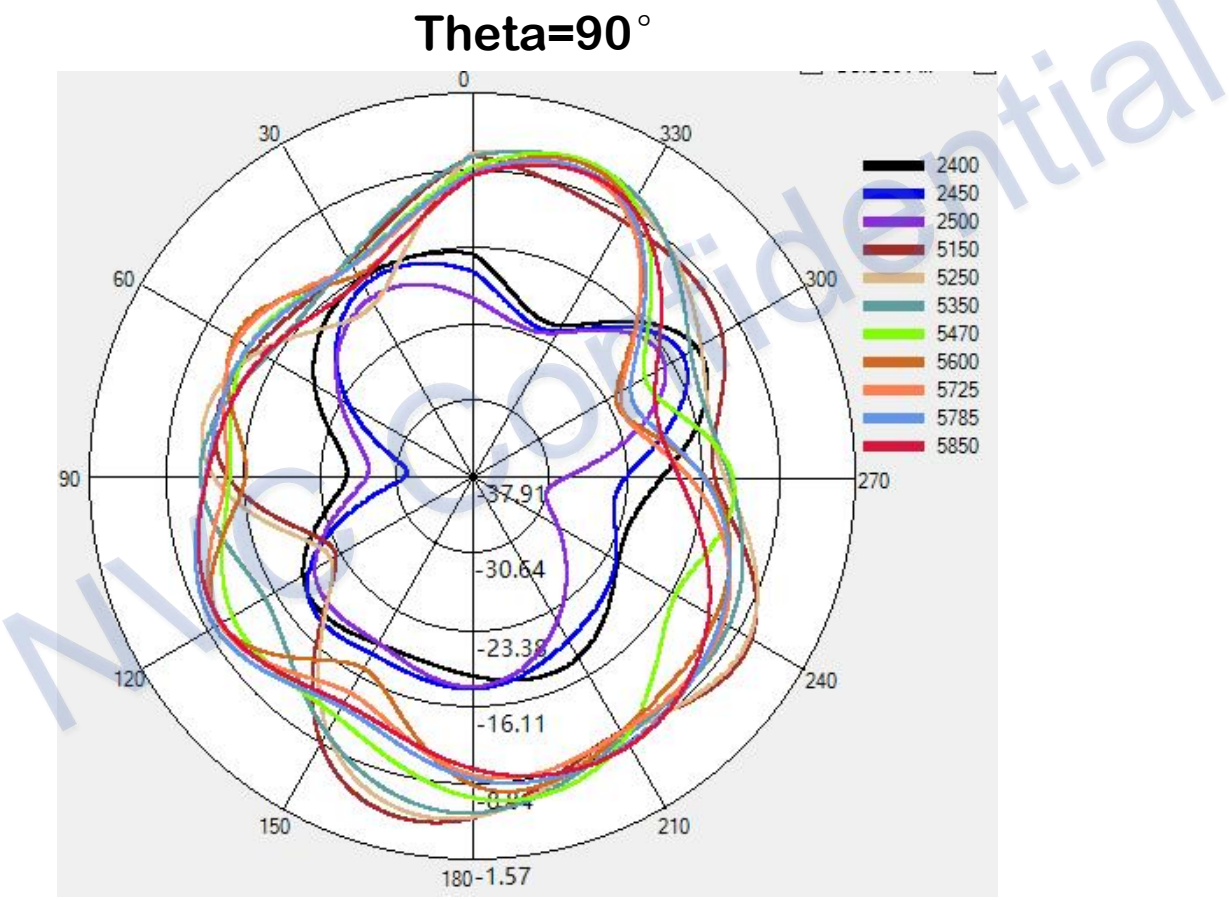


Phi=90°



2.Test Results

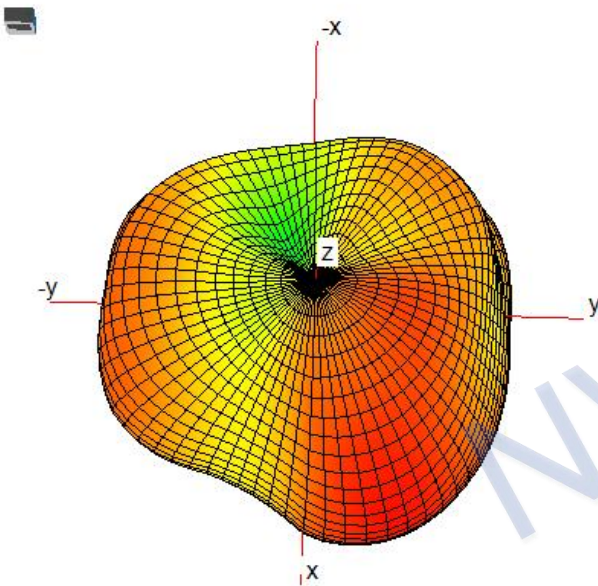
2.4.2D Radiation Pattern (AUX ANT)



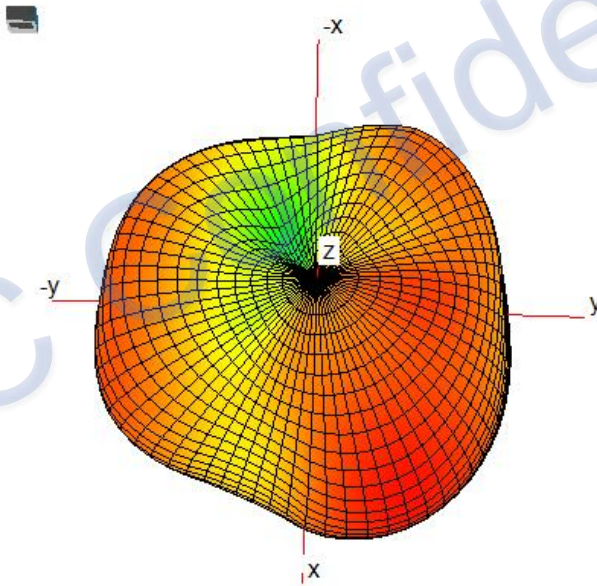
2. Test Results

2.5.3D Radiation Pattern (Main ANT)

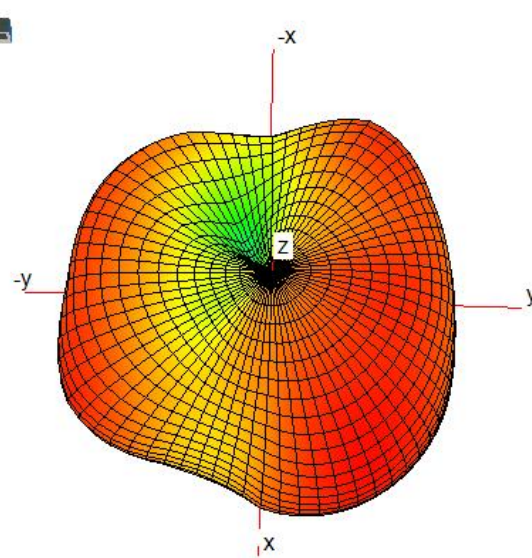
2400MHz



2450MHz

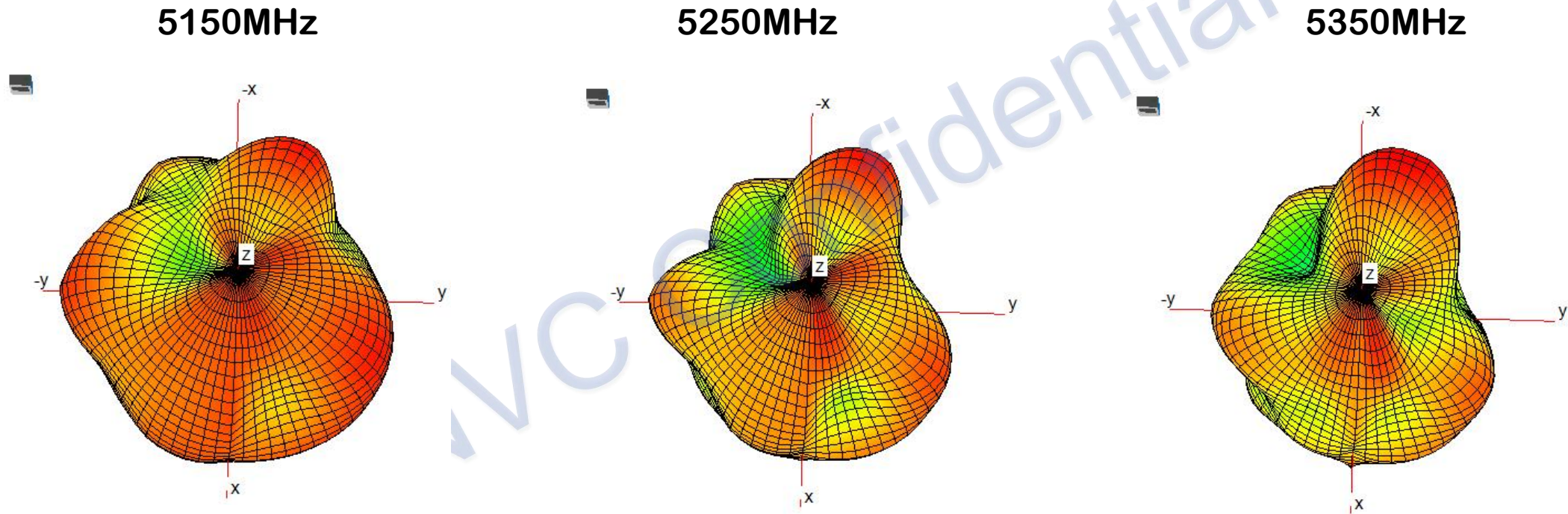


2500MHz



2.Test Results

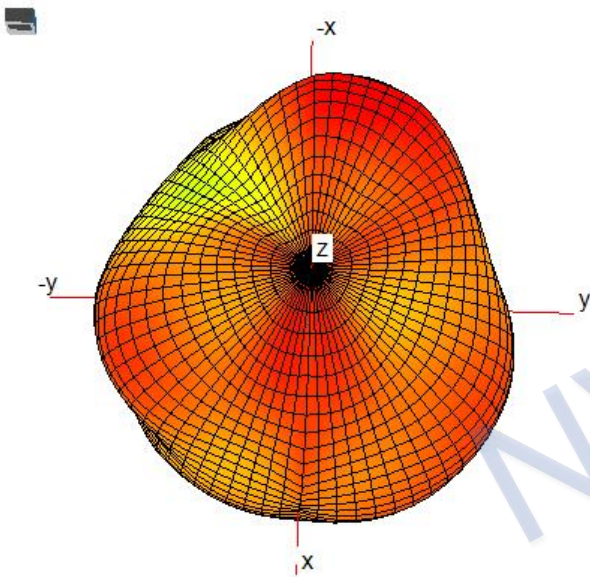
2.5.3D Radiation Pattern (Main ANT)



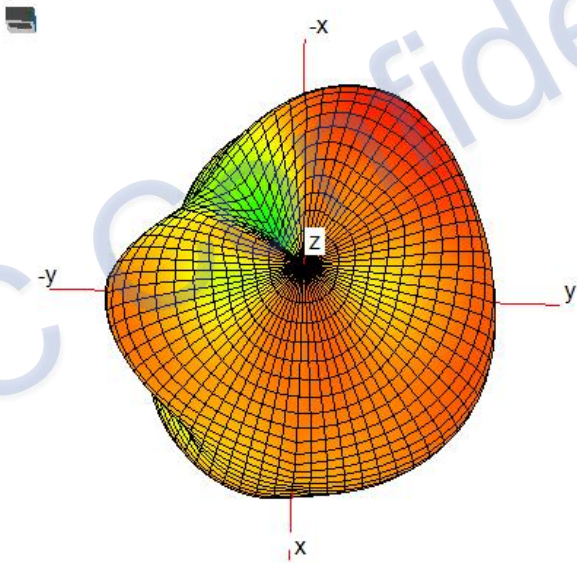
2.Test Results

2.5.3D Radiation Pattern (Main ANT)

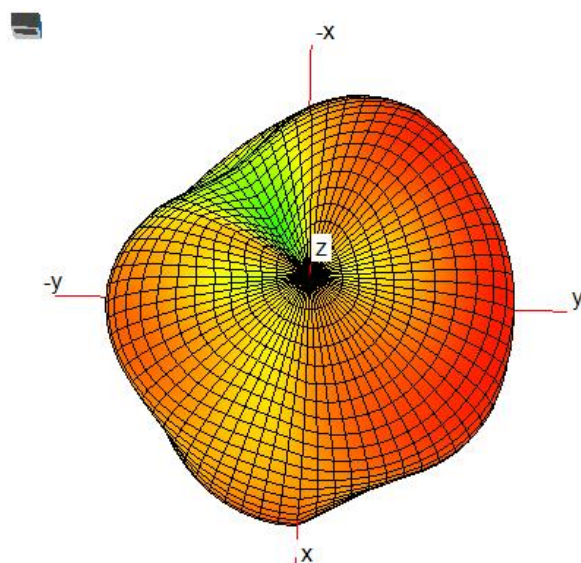
5470MHz



5600MHz



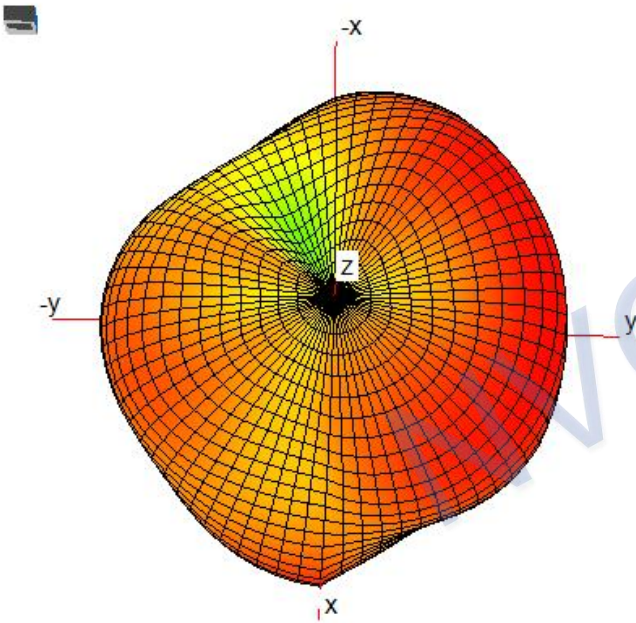
5725MHz



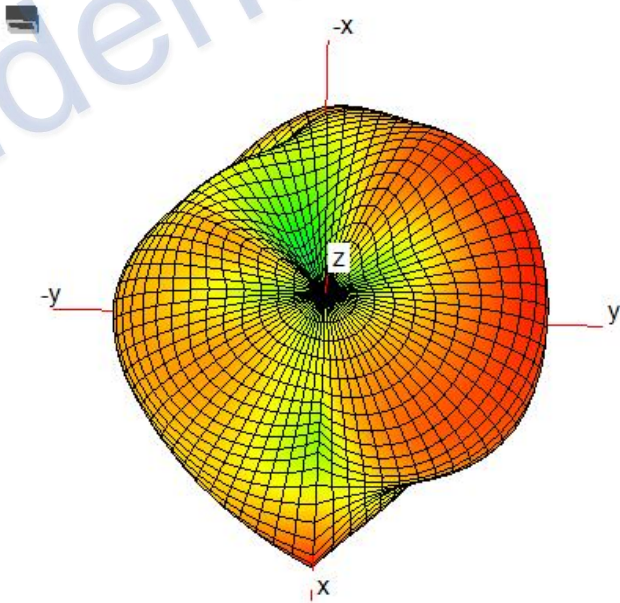
2.Test Results

2.5.3D Radiation Pattern (Main ANT)

5785MHz



5850MHz

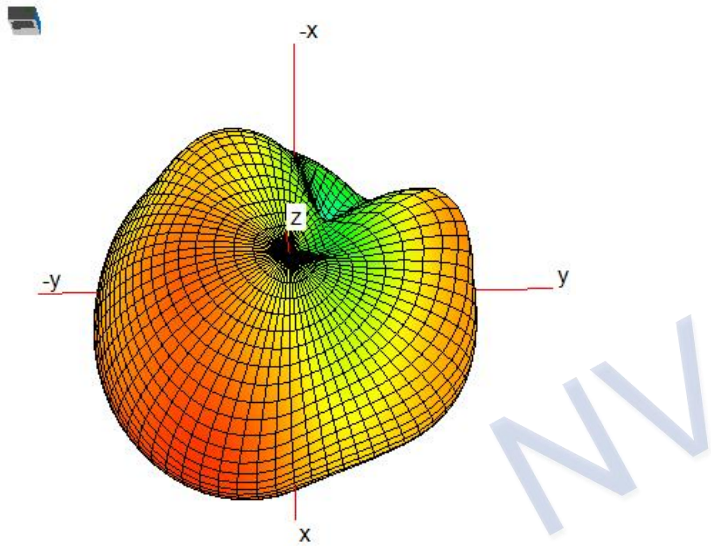


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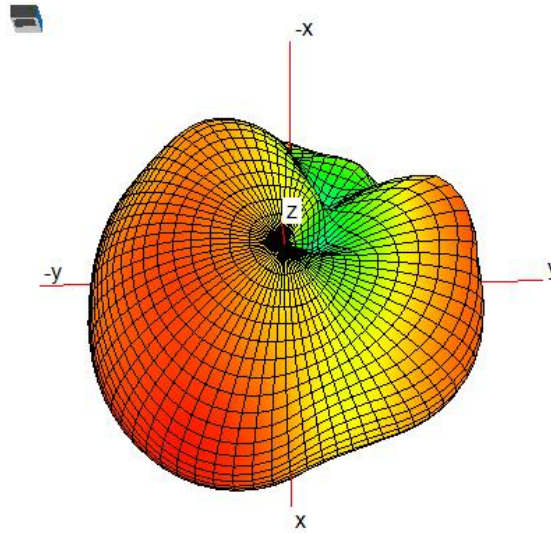
2.Test Results

2.5.3D Radiation Pattern (AUX ANT)

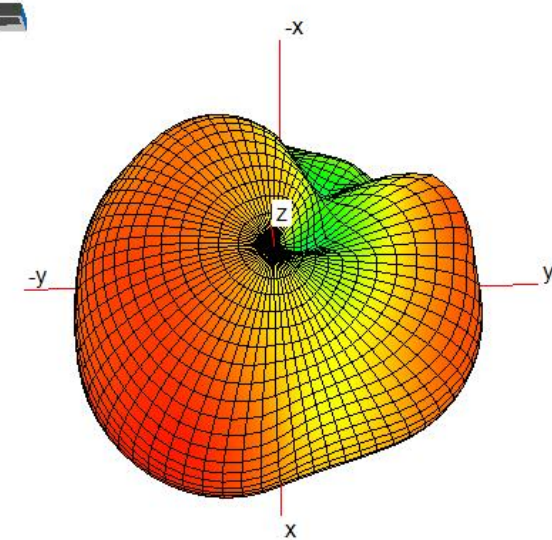
2400MHz



2450MHz



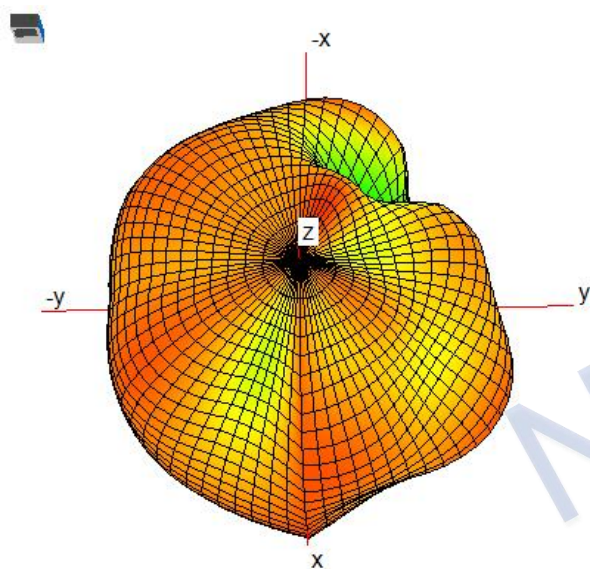
2500MHz



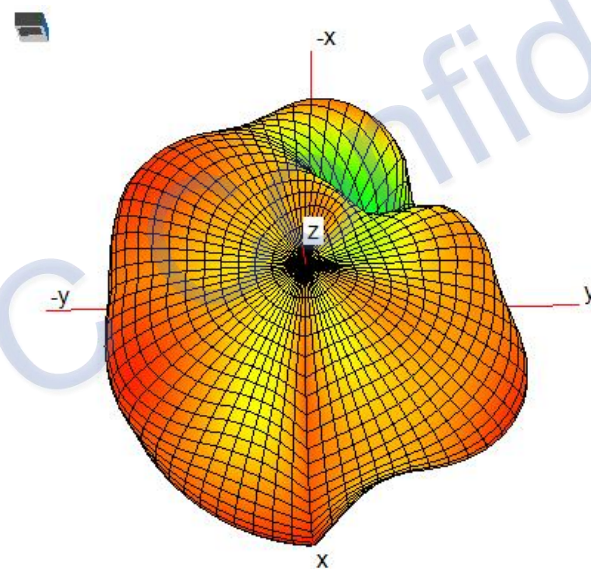
2.Test Results

2.5.3D Radiation Pattern (AUX ANT)

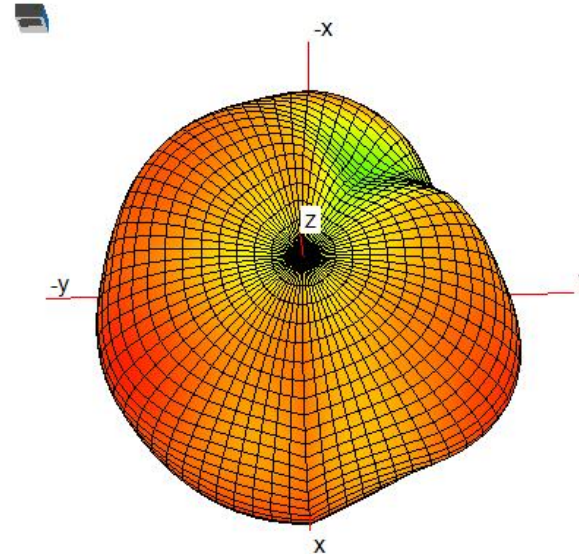
5150MHz



5250MHz



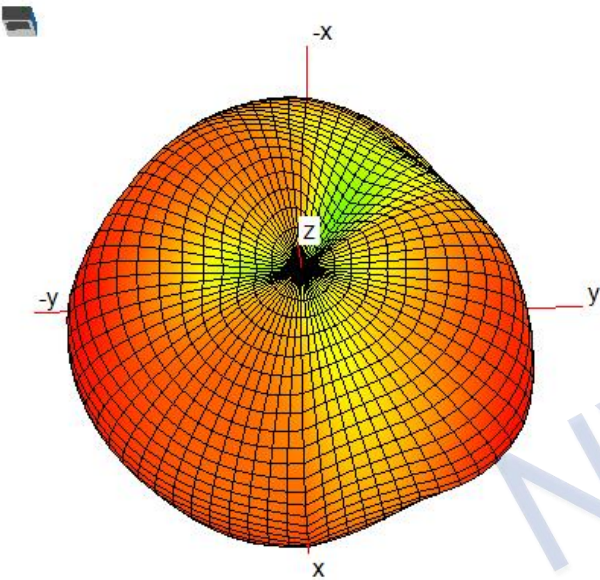
5350MHz



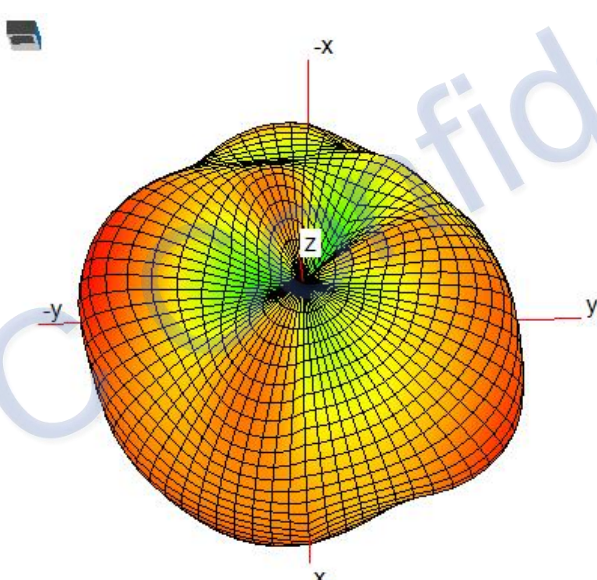
2.Test Results

2.5.3D Radiation Pattern (AUX ANT)

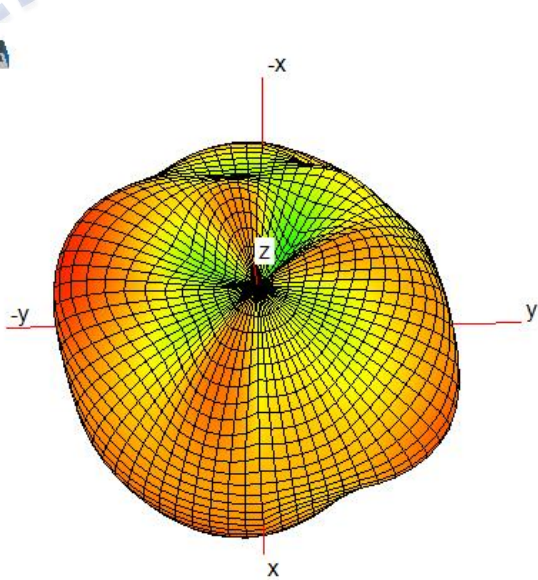
5470MHz



5600MHz

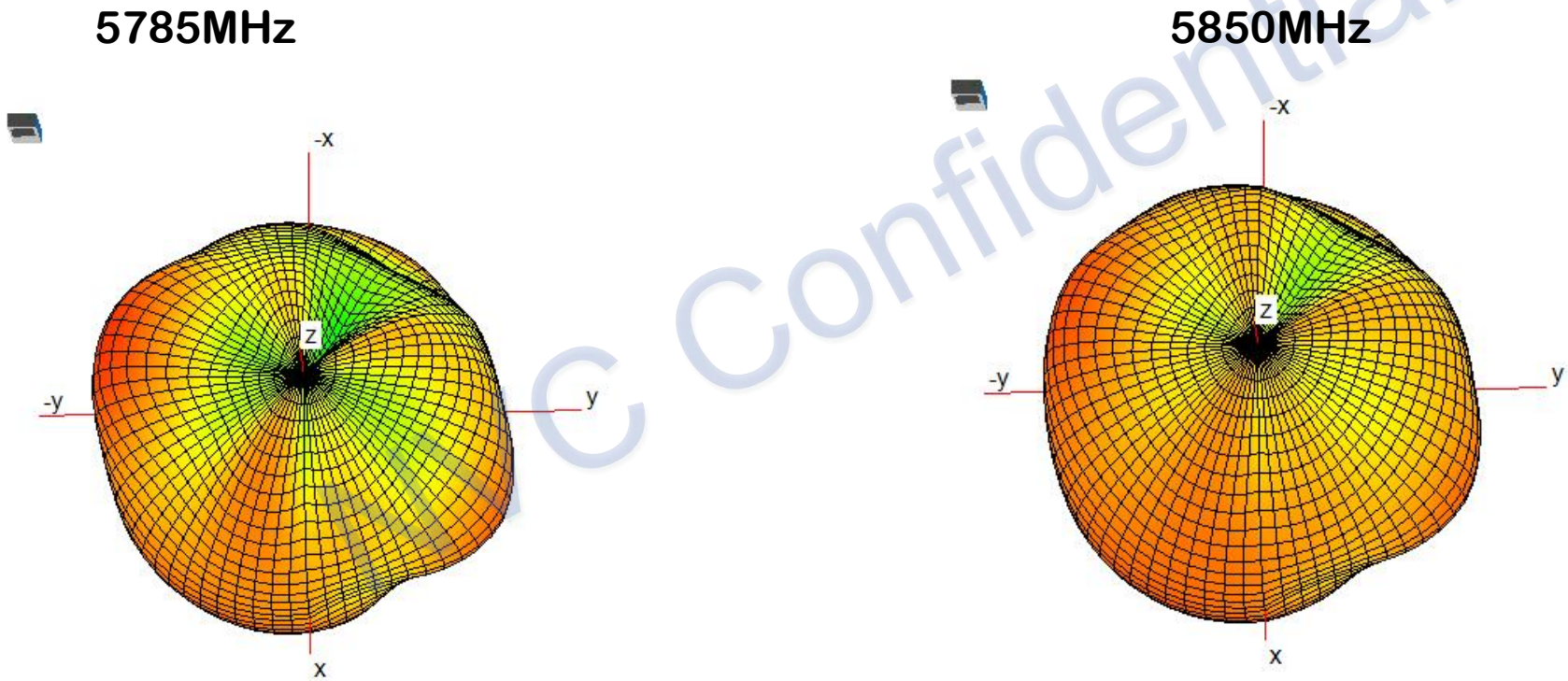


5725MHz

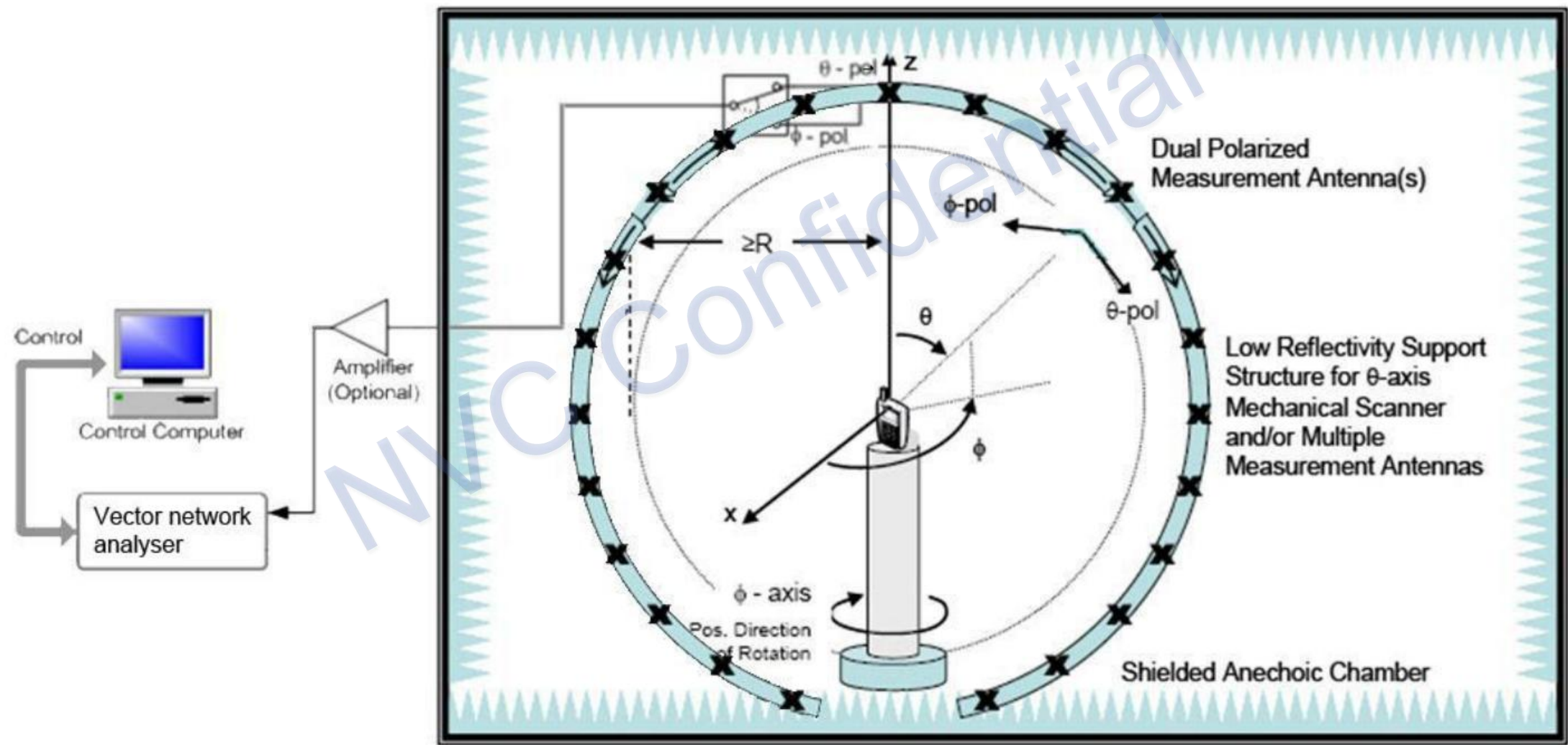


2.Test Results

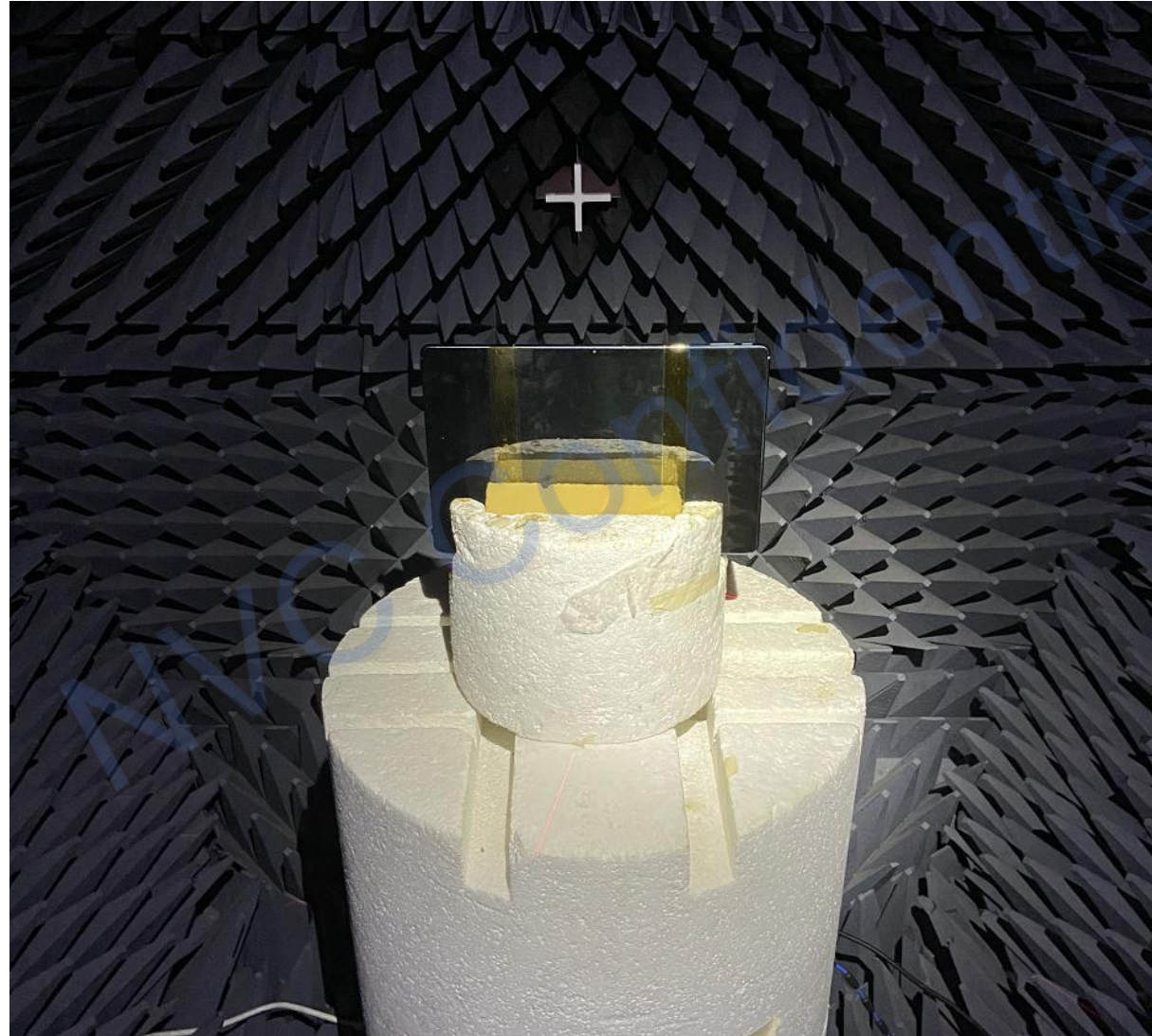
2.5.3D Radiation Pattern (AUX ANT)



3. Test Setup

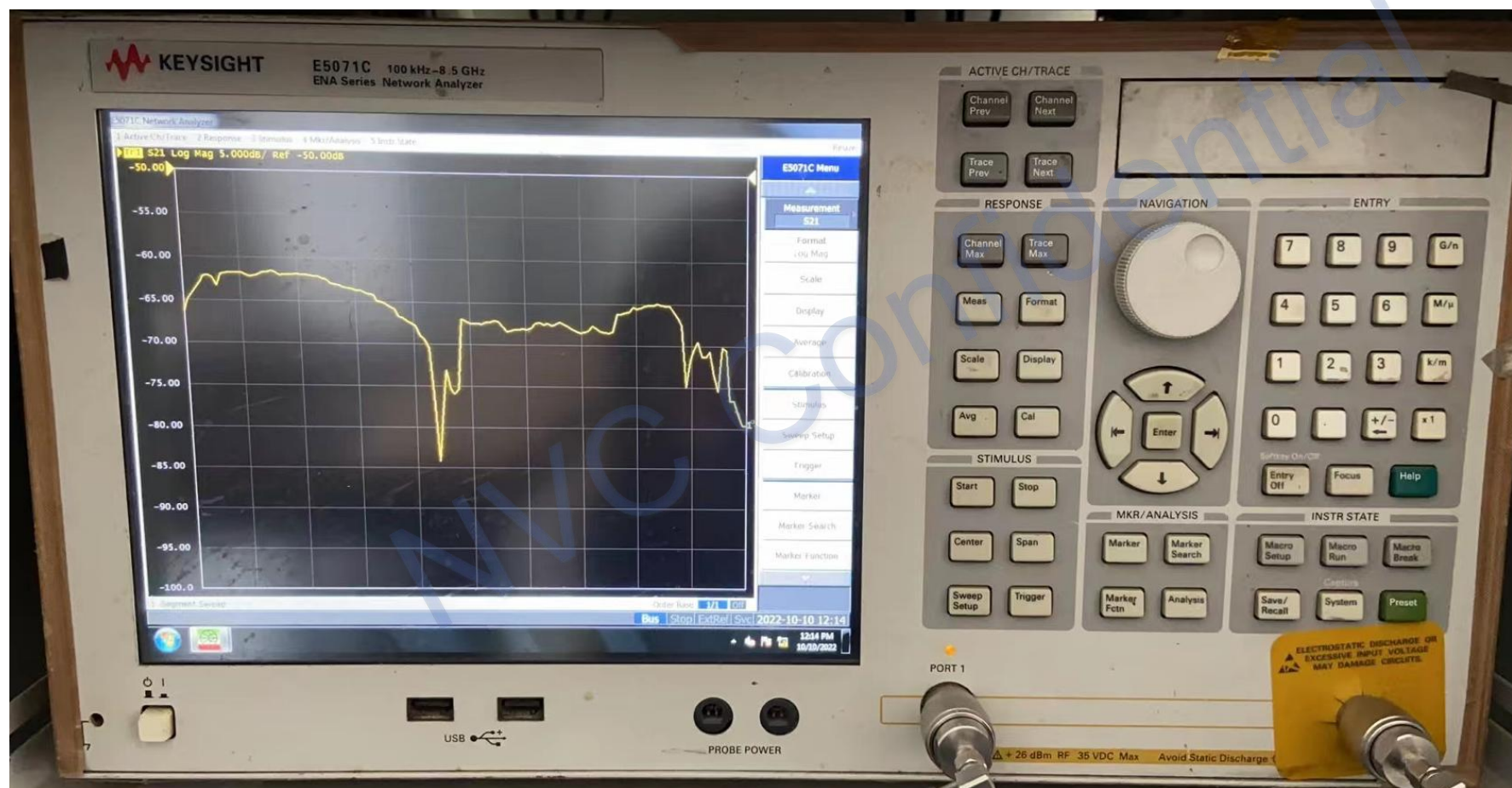


4. Test environment



4. Test environment

5071C Network Analyzer

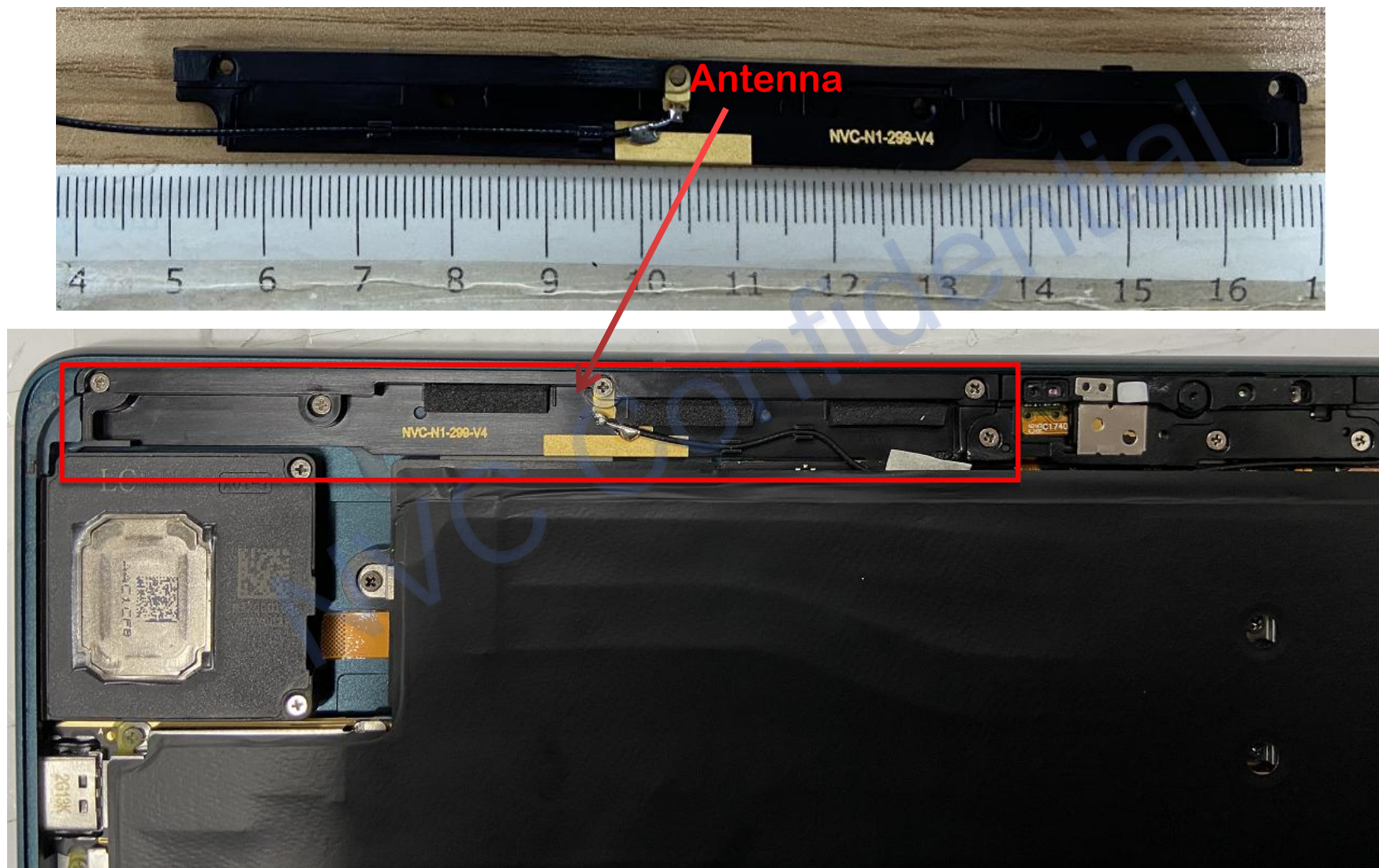


4. Test environment

CMW500



4. Test environment





Thank You

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