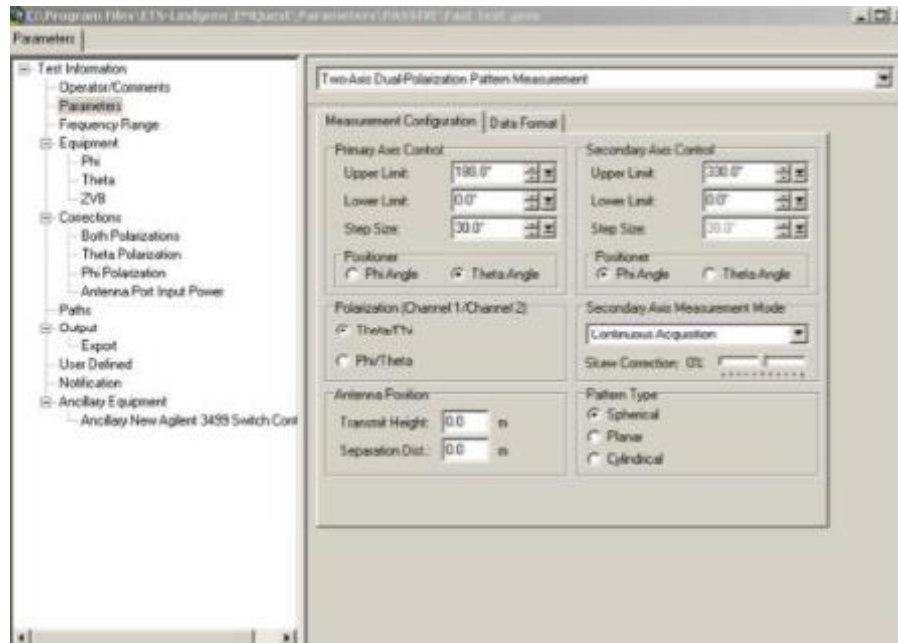


# GE 10 Inch test report

March 2, 2020



- Supplier Name : Pulse
- Equipment information:Agilent E5071C; SY24
- Calibration date: 2019.09.12, Due date: 2020.09.11
- P/N & Reversion of UUT: Antenna: SZ1220W Rev P4
- Test standard



Acceptance criteria of test:

	Gain	Efficiency	Return Loss
2.4GHz	<3 dBi	>50%	VSWR<2:1
5GHz	<4 dBi	>50%	VSWR<2:1

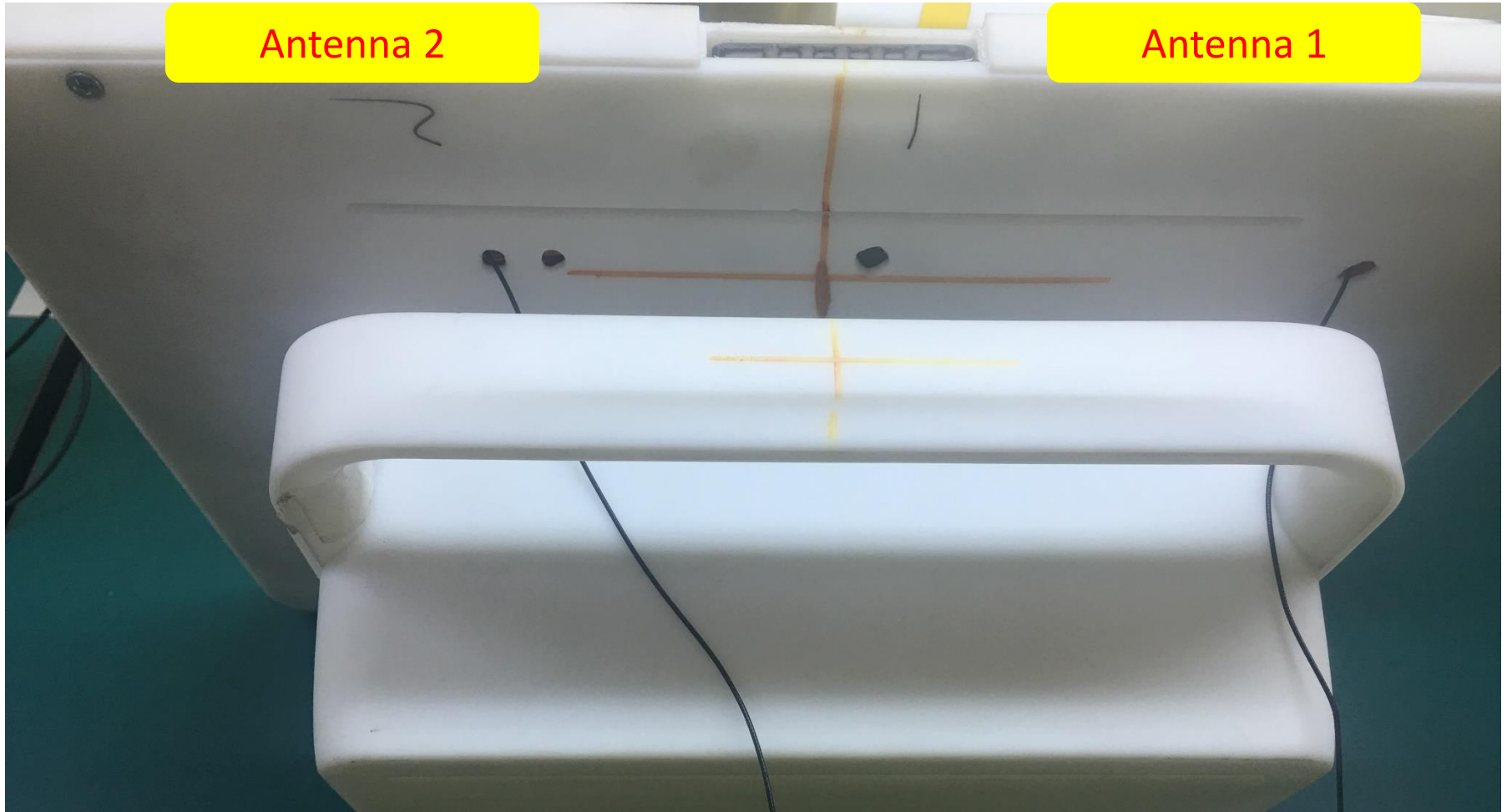
Conclusion :

The efficiency, peak gain and VSWR have met the spec, and the path of the cable has effect on the performance of the antenna, especially peak gain.

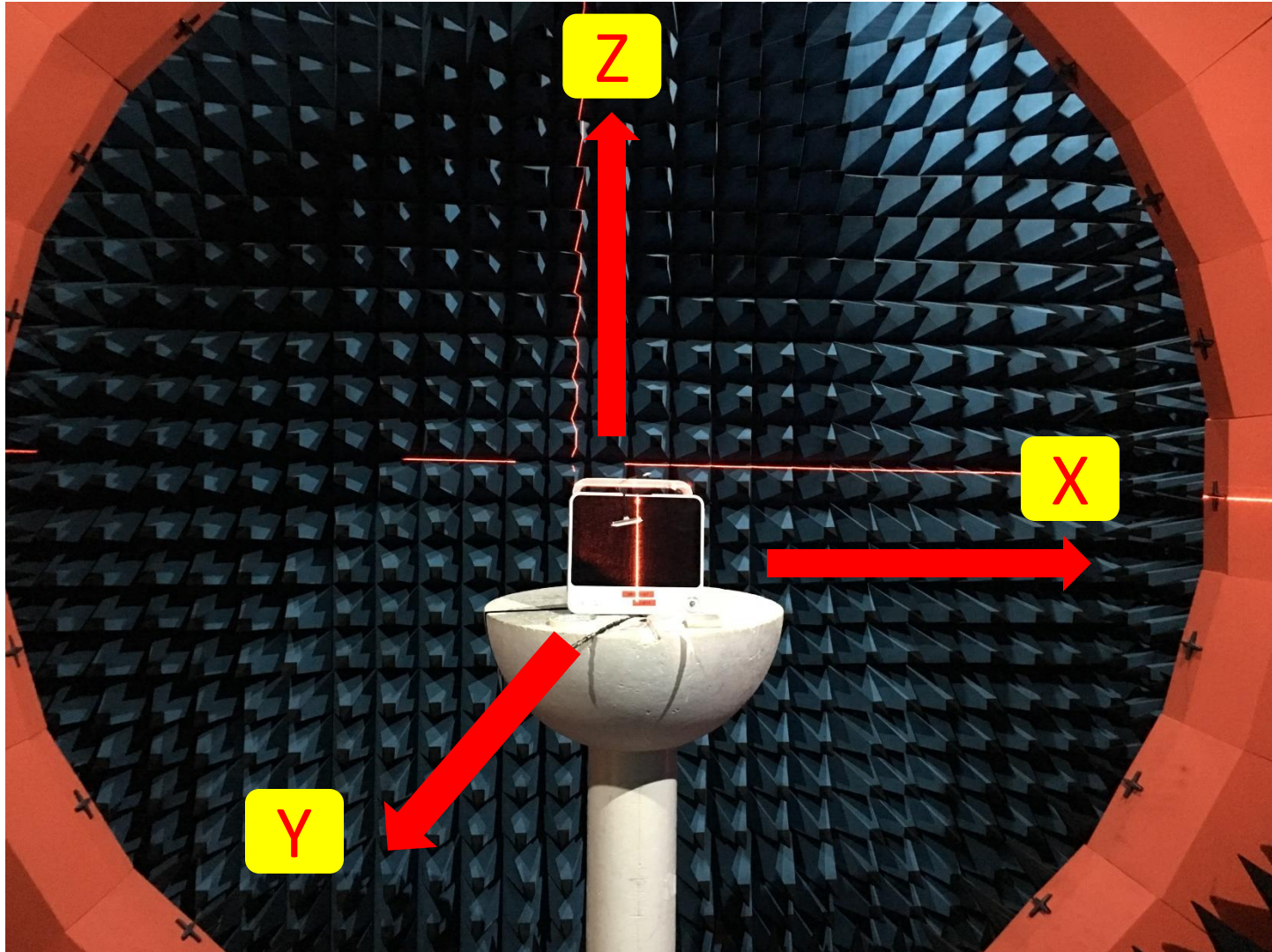
Test date: 2020.2.27

Tester name: Rodemanren

# Appearance and position



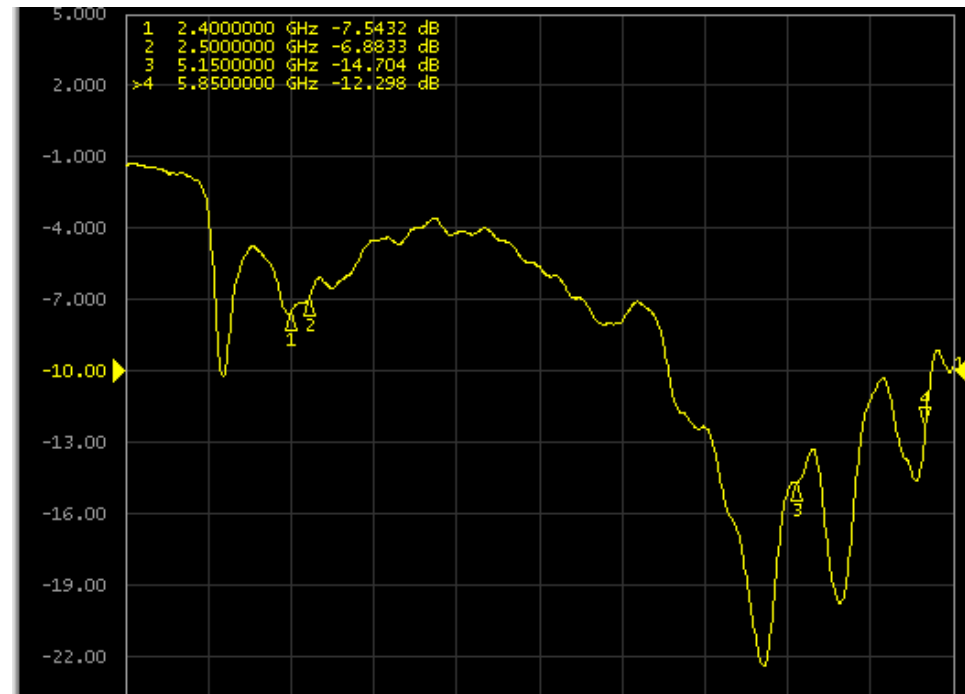
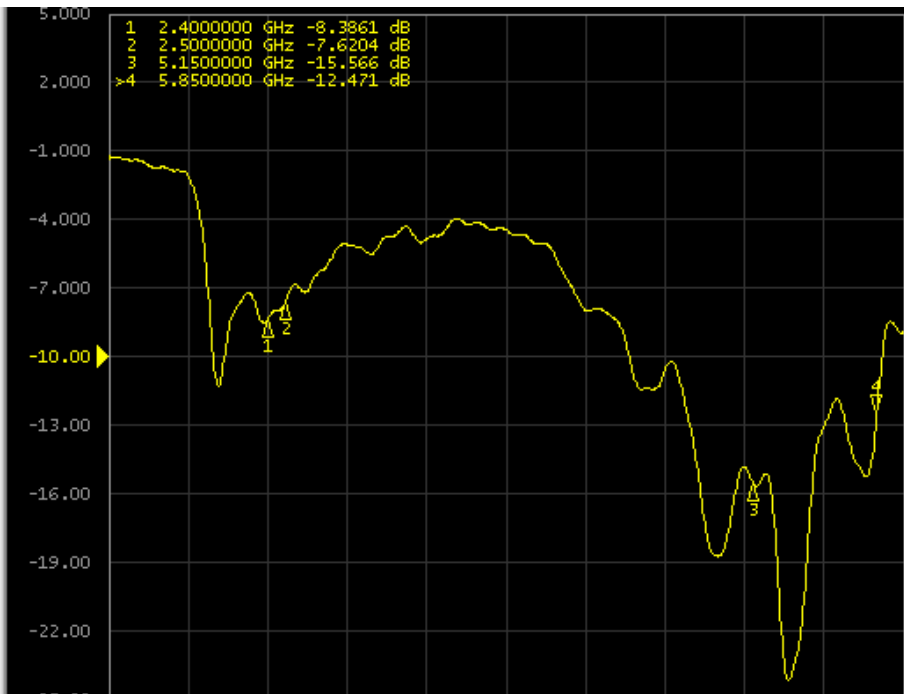
# Test environment in ETS chamber Pulse A YAGEO Company



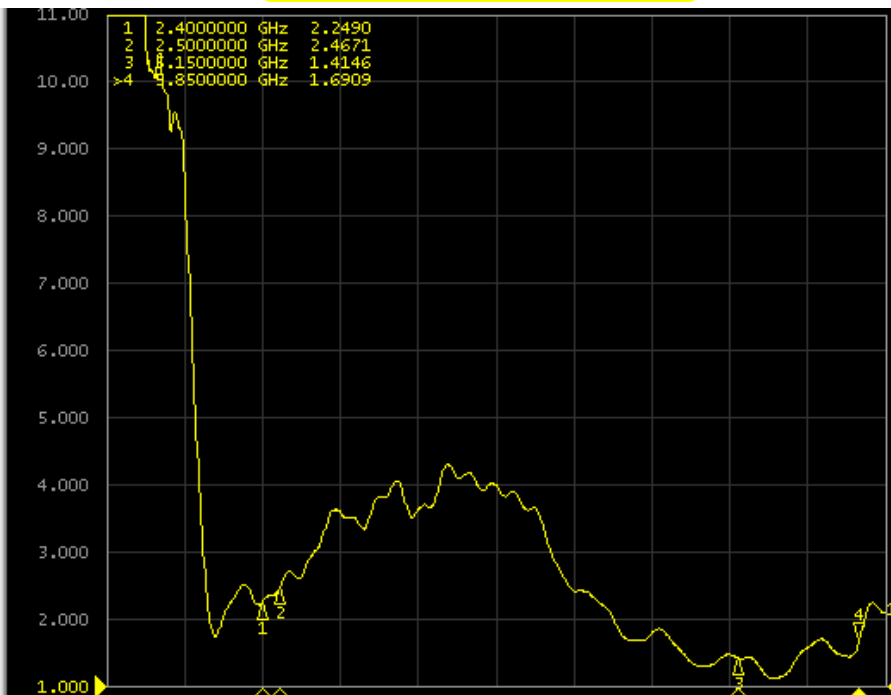
# Return Loss

Antenna 1

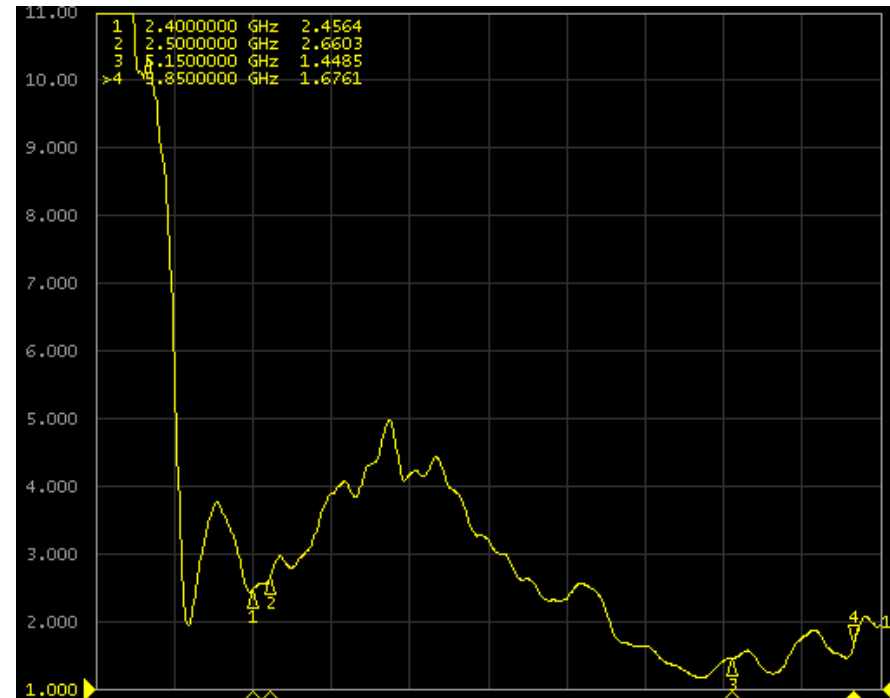
Antenna 2



Antenna 1



Antenna 2

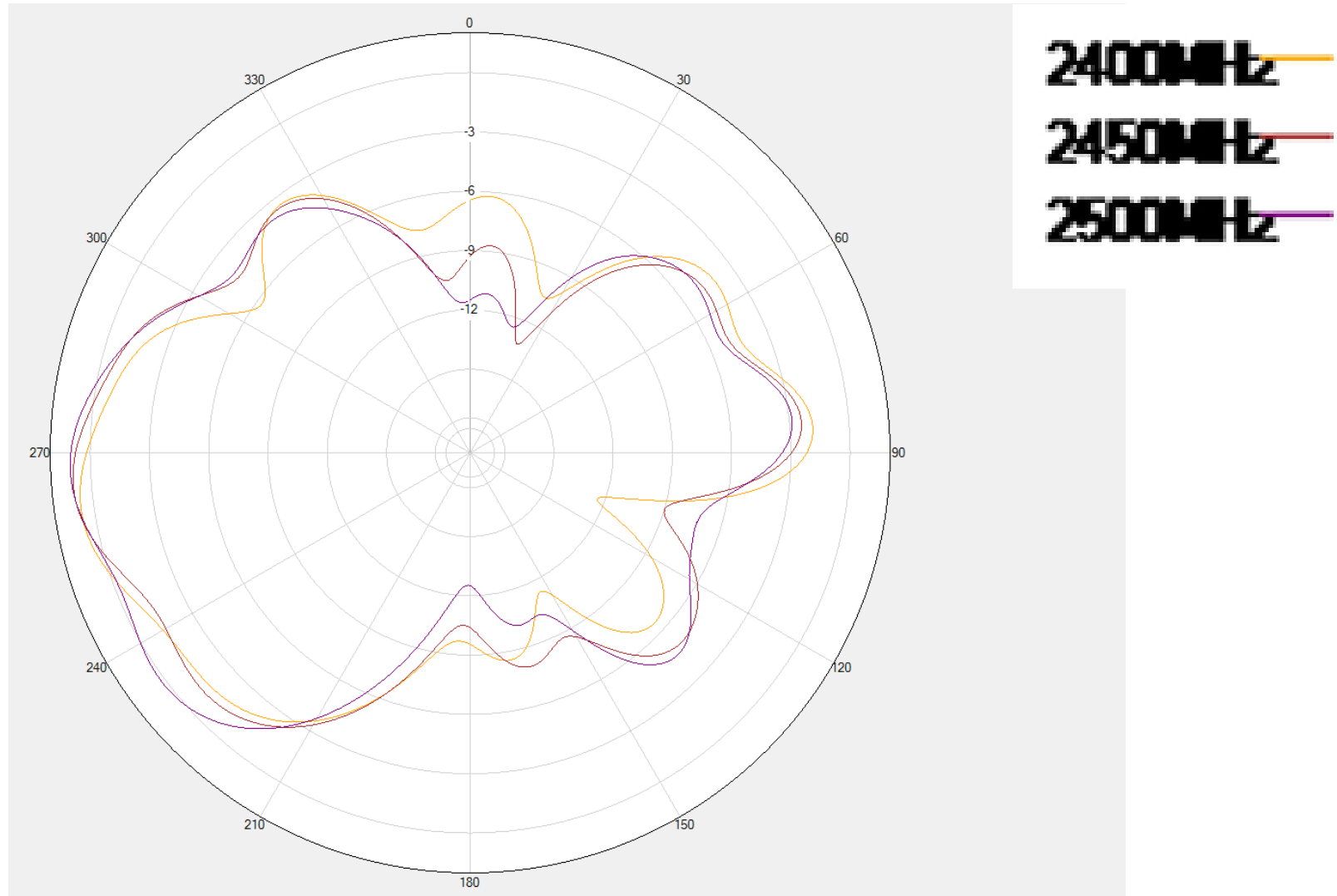


# Antenna performance

Fre(MHz)	Antenna1			Antenna2	
	Gain	Effi(%)		Gain	Effi(%)
2400	2.19	44.37		1.59	42.39
2450	2.15	43.67		2.01	41.71
2500	2.83	48.14		2.84	45.22
5150	-0.25	40.6		1	41.78
5250	1.5	48.65		0.86	48.84
5350	1.16	41.02		0.52	40.59
5450	1.09	40.88		0.12	42.61
5550	1.15	41.37		-0.48	45.42
5650	2.38	52.97		0.37	54.1
5750	1.41	46.64		-0.49	47.65
5850	1.11	39.51		-1.04	38.92

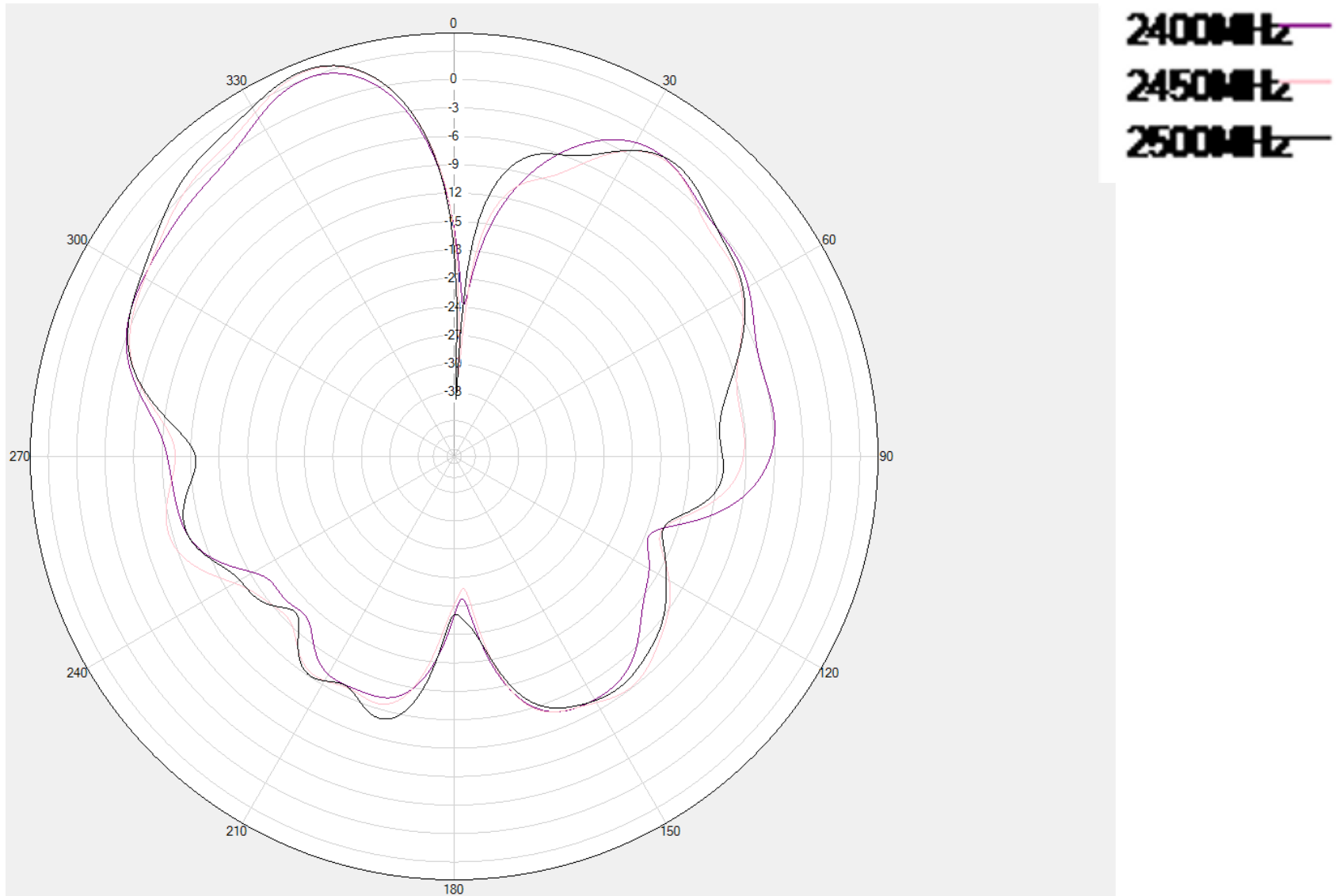


## Antenna1 X-Y Plane

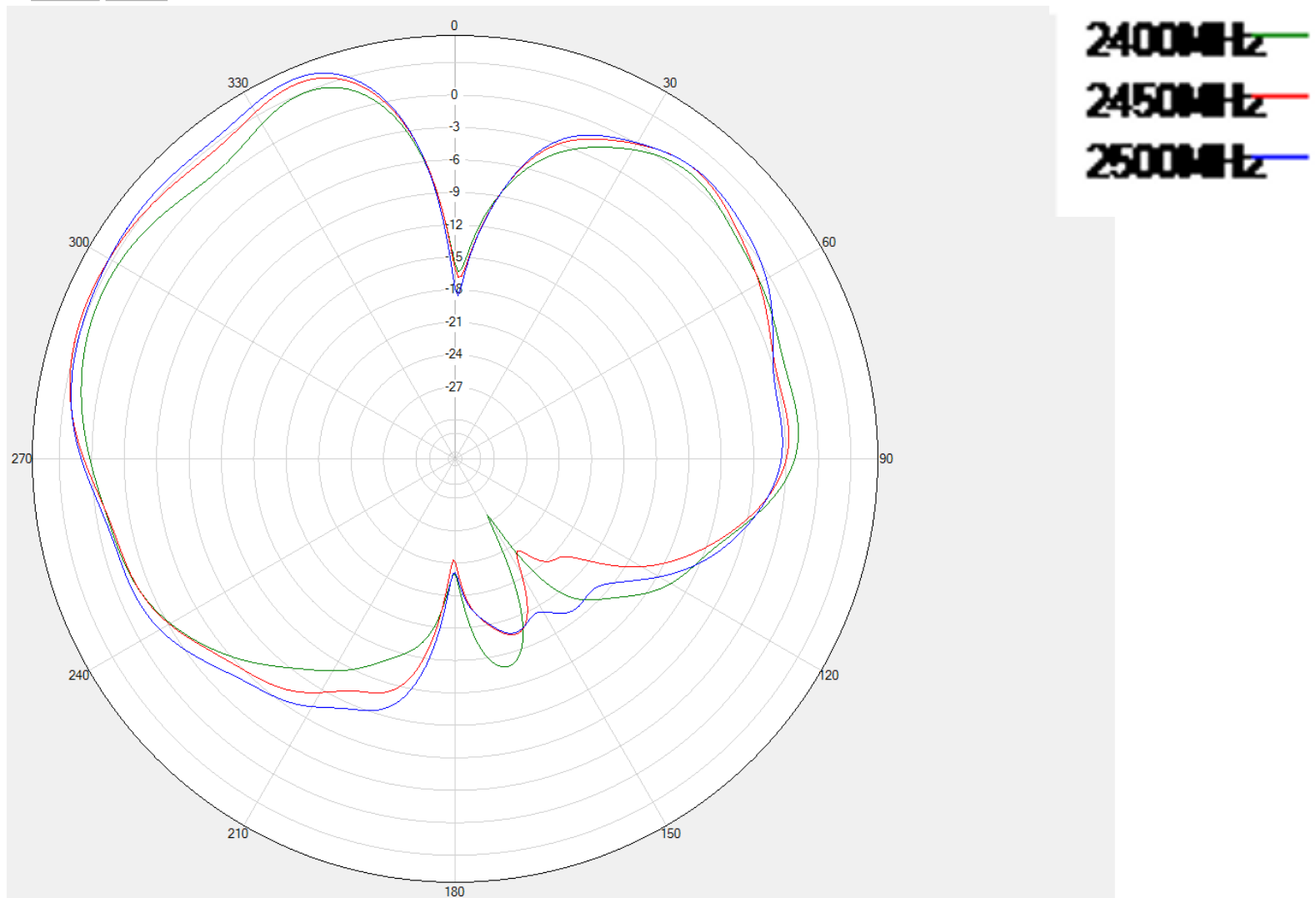


# Measure pattern

## Antenna1 X-Z Plane

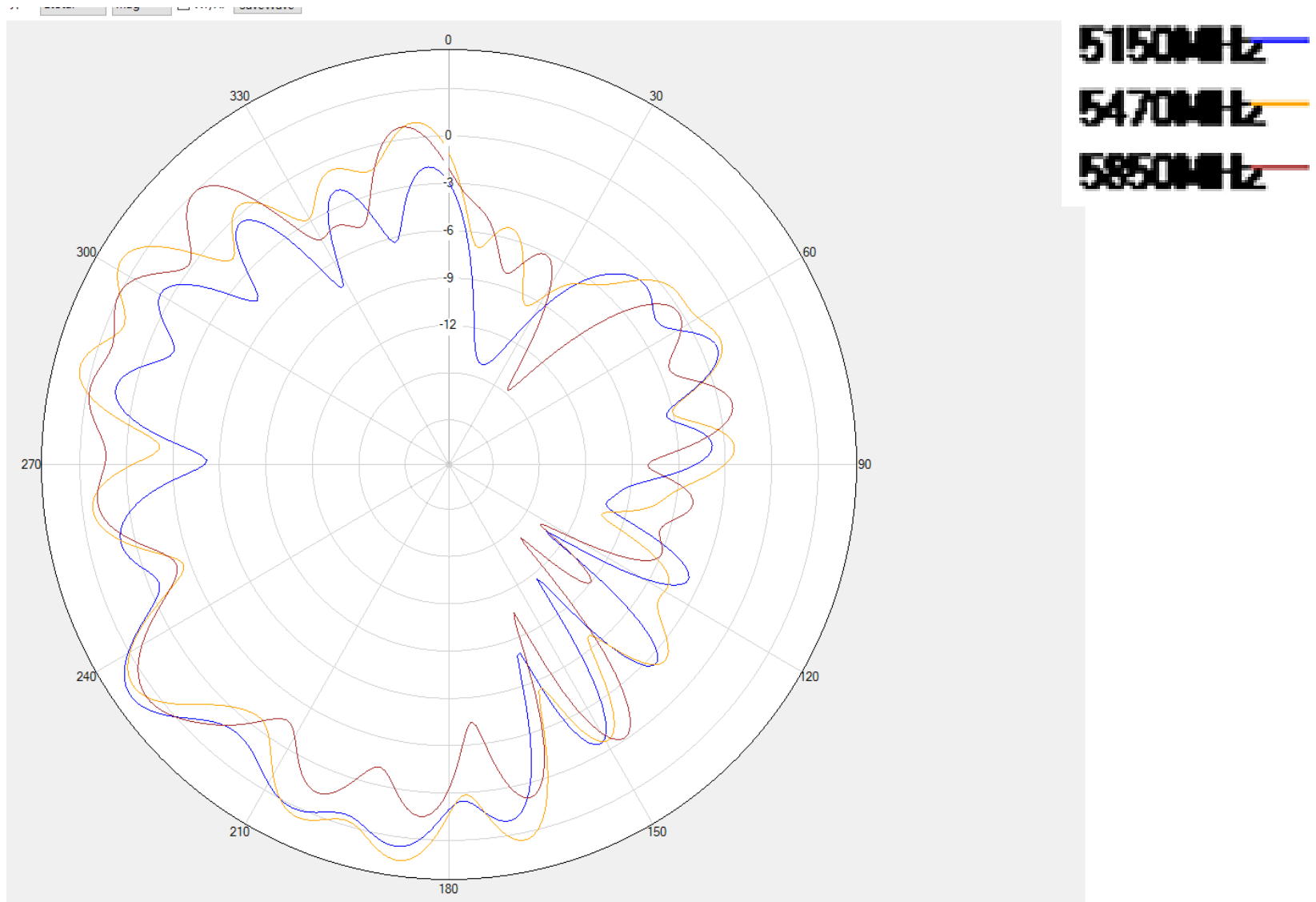


## Antenna1 Y-Z Plane



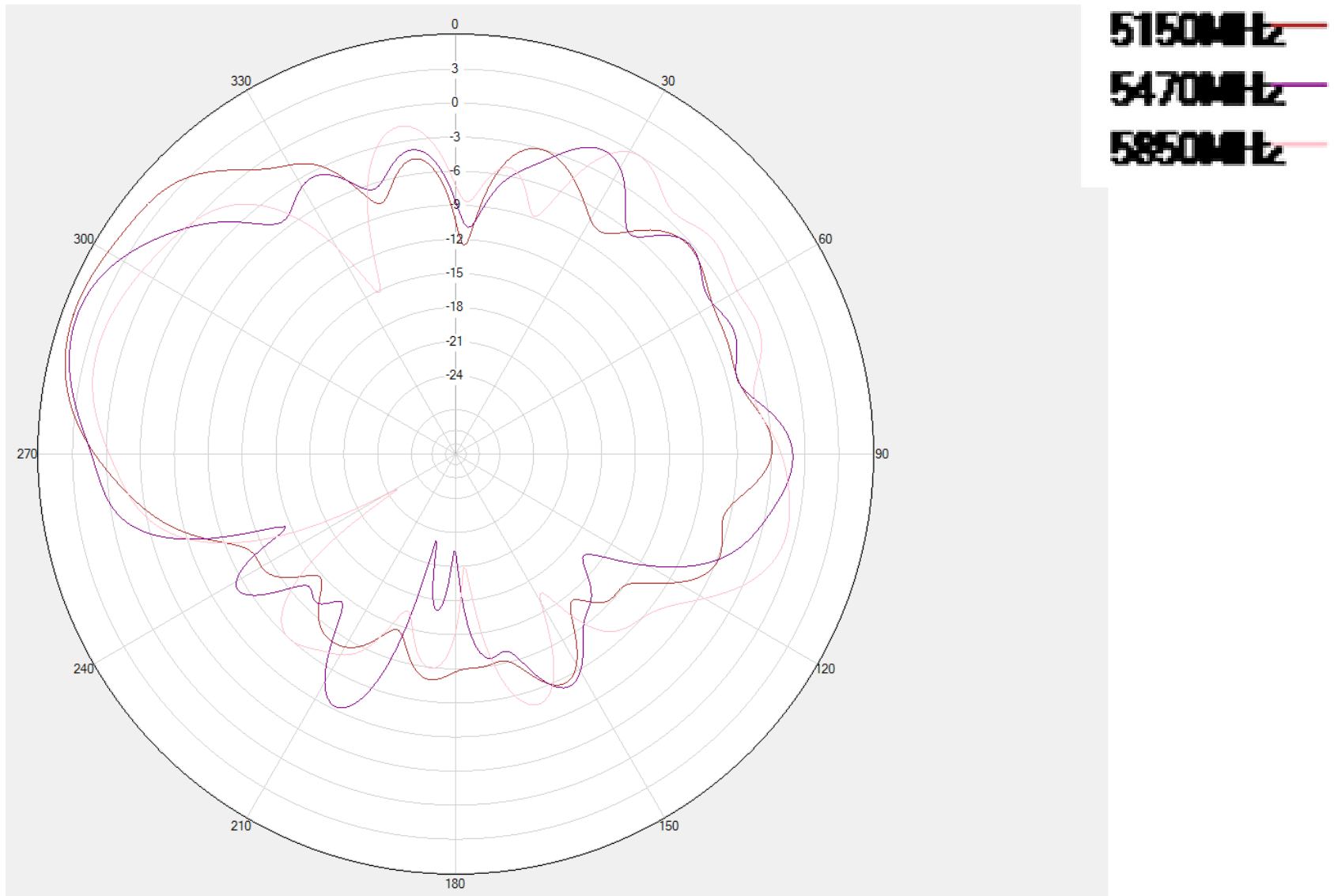
# Measure pattern

## Antenna1 X-Y Plane

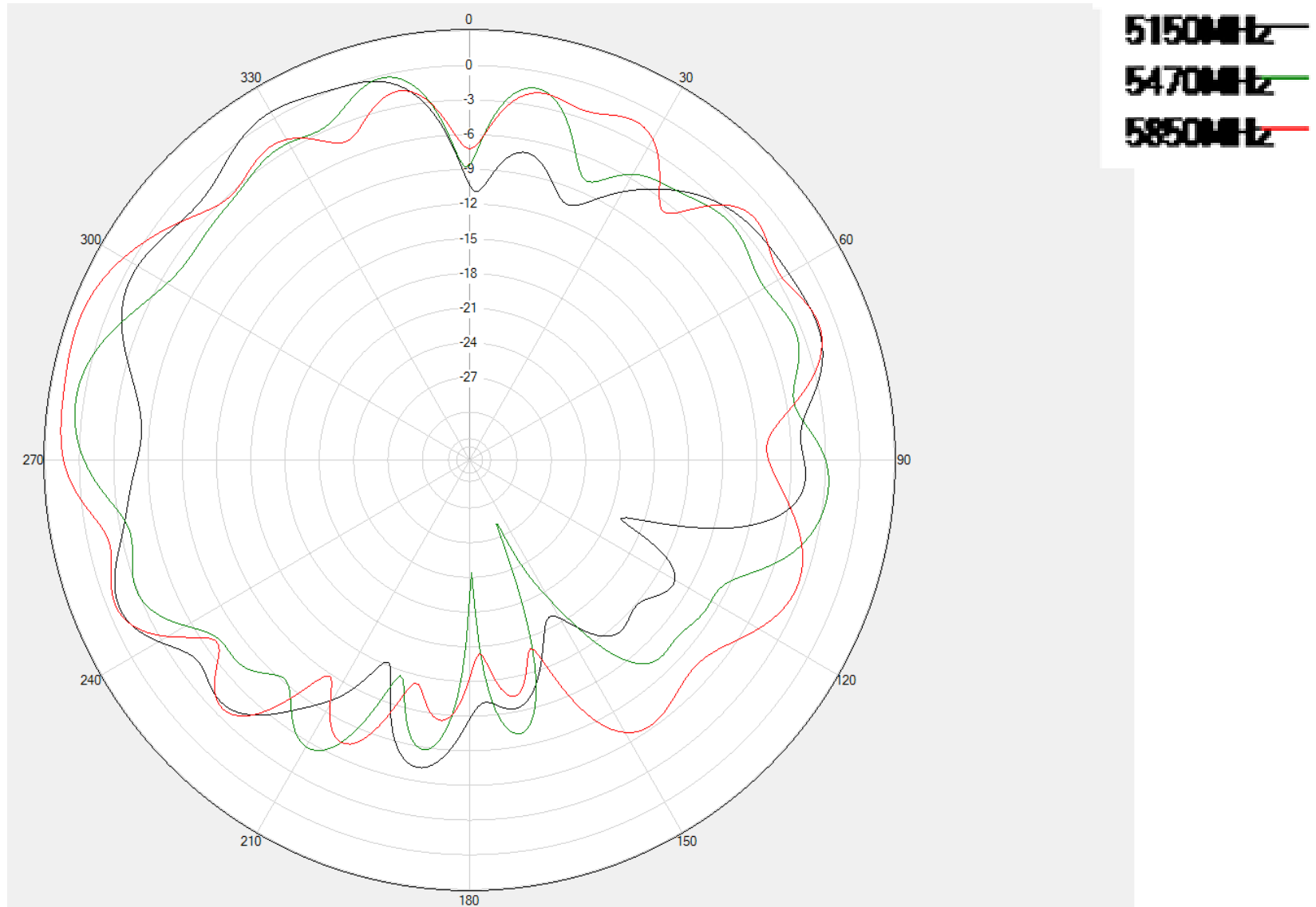


# Measure pattern

## Antenna1 X-Z Plane

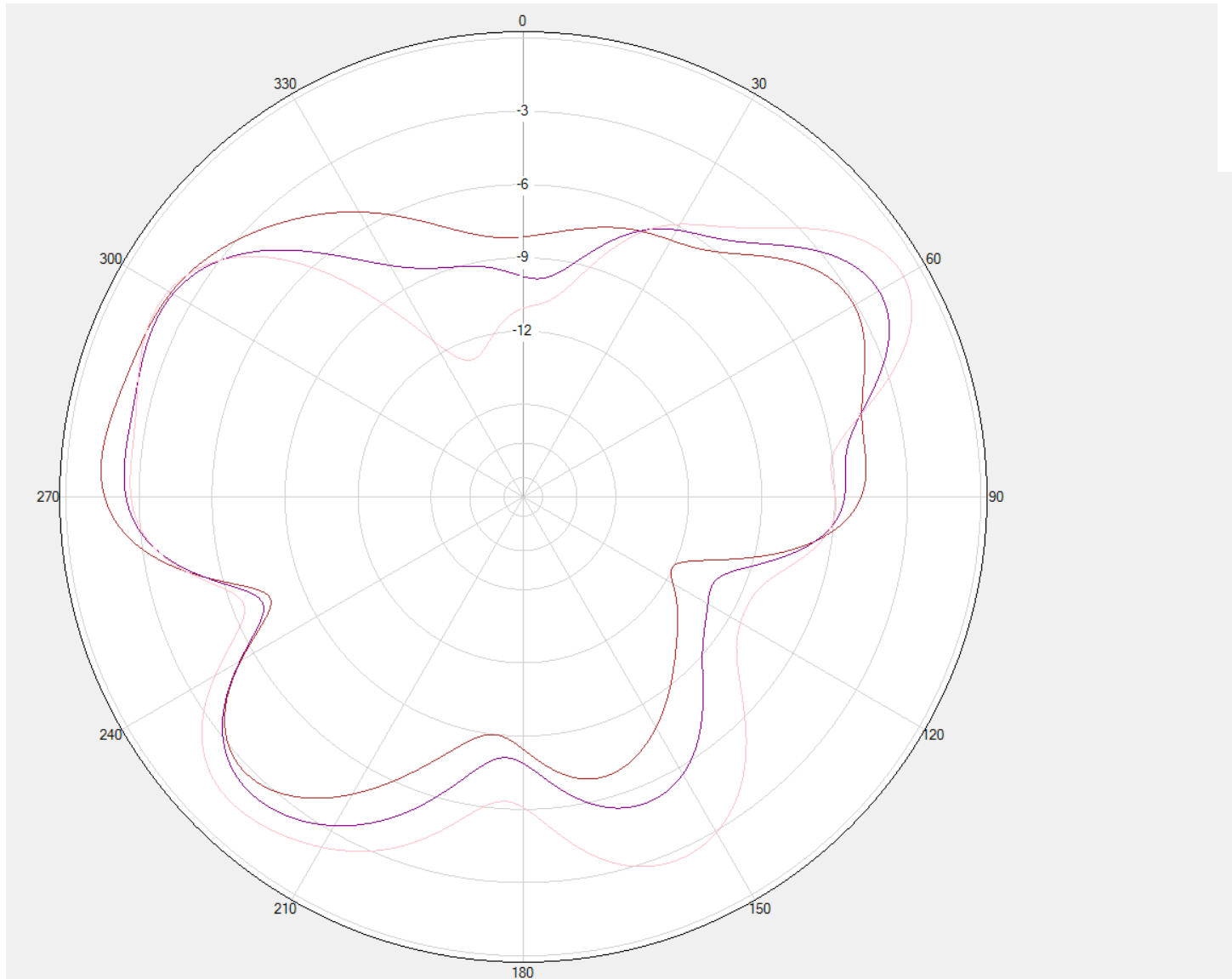


## Antenna1 Y-Z Plane



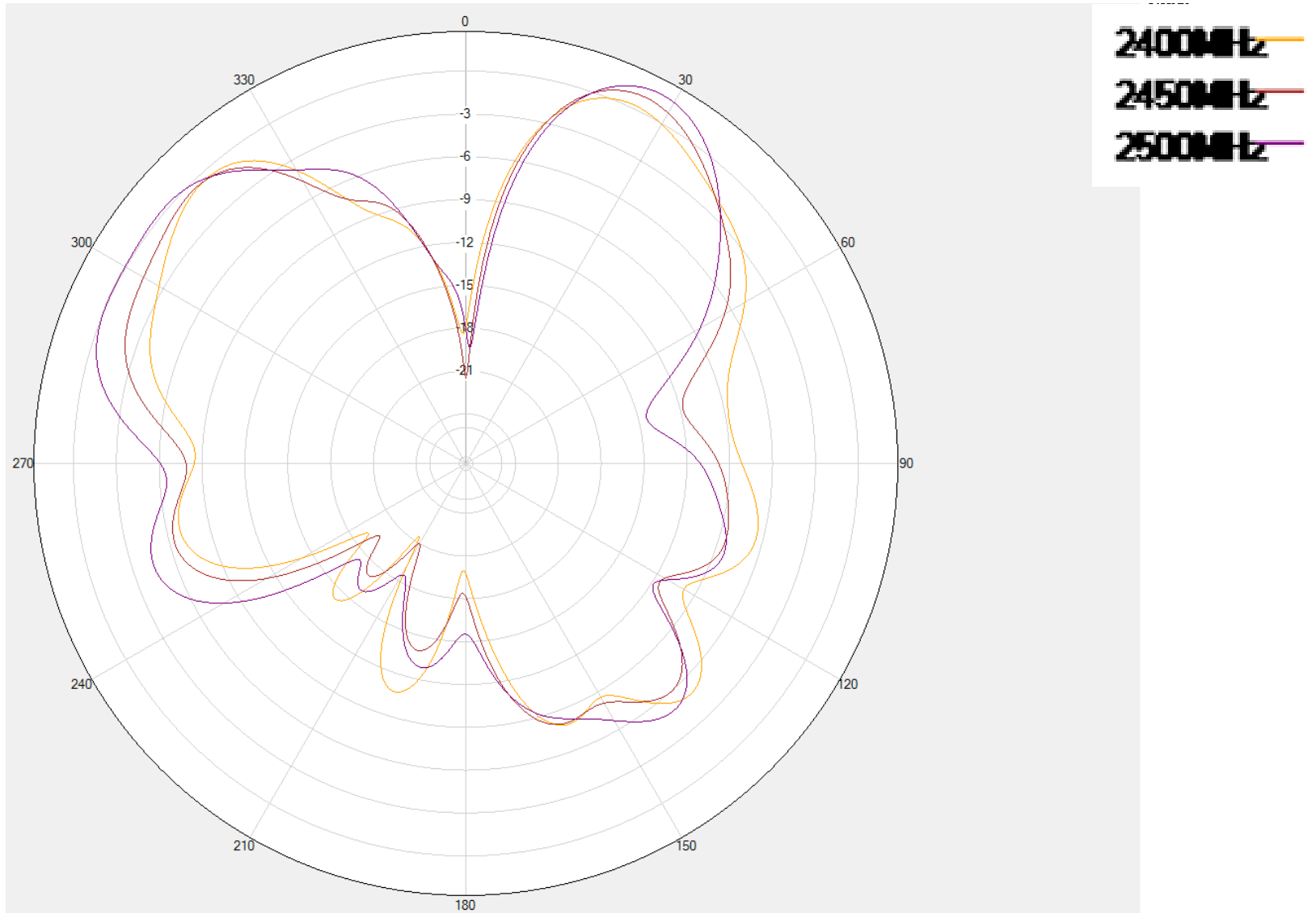
# Measure pattern

## Antenna2 X-Y Plane



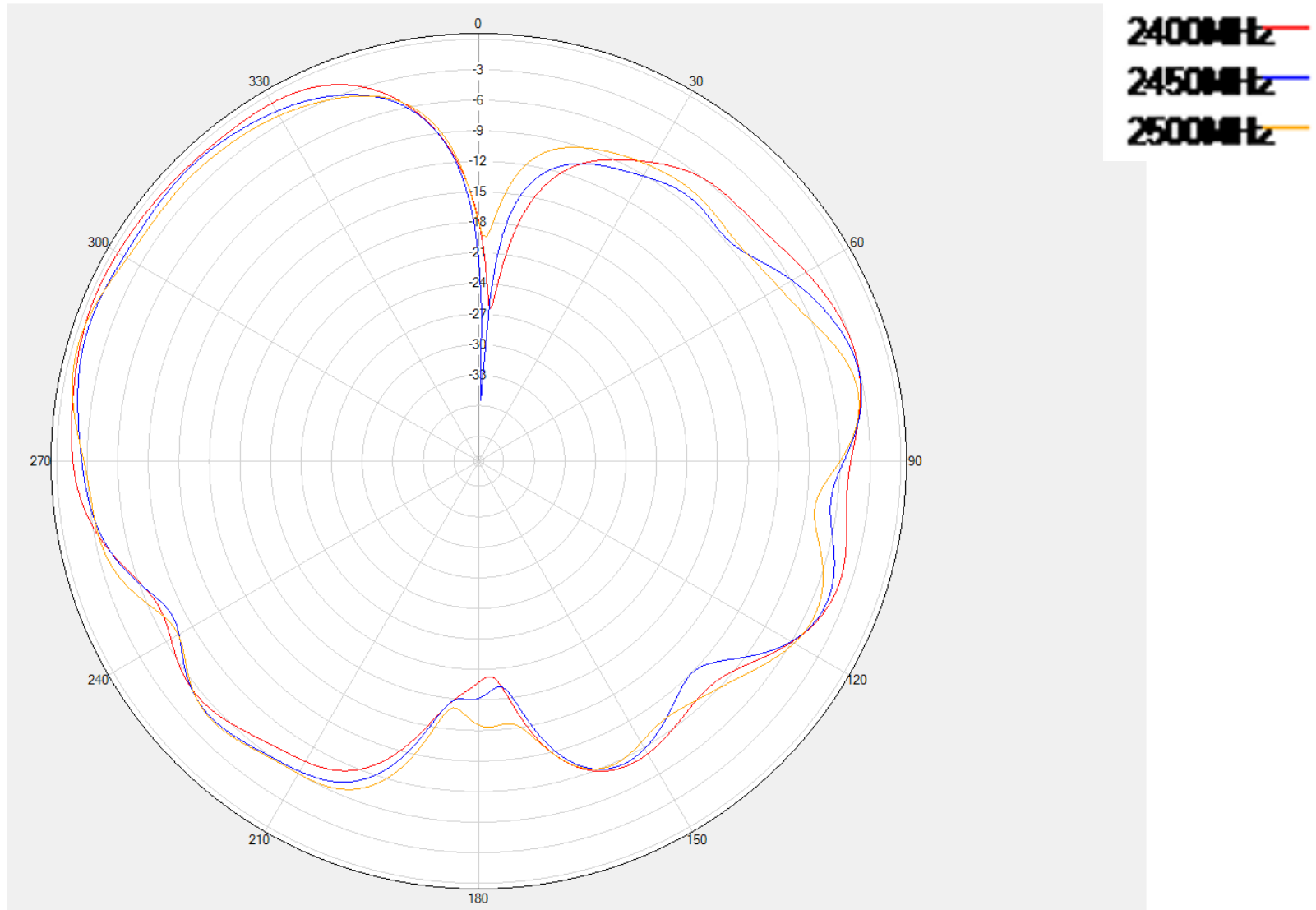
2400MHz  
2450MHz  
2500MHz

## Antenna2 X-Z Plane



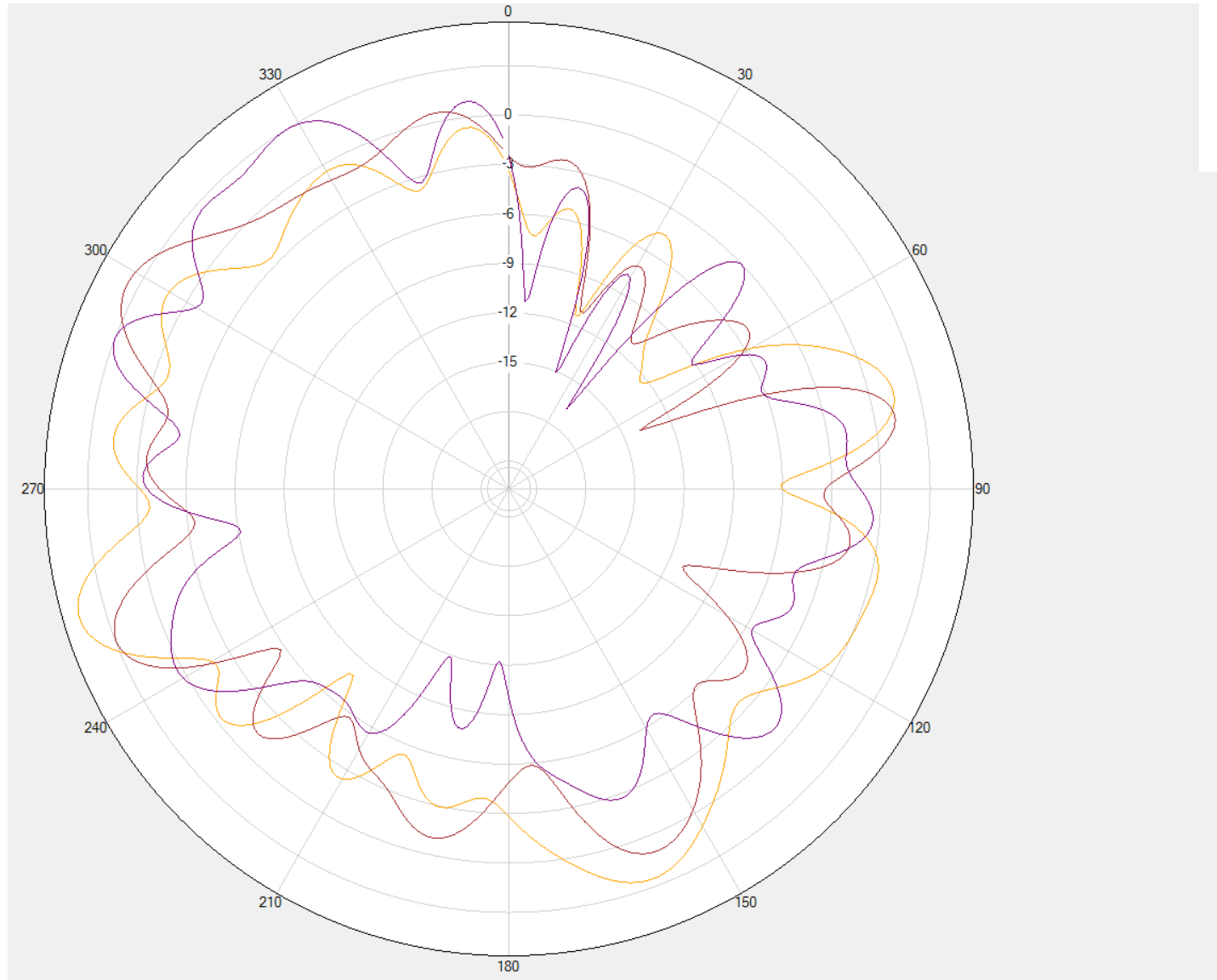


## Antenna2 Y-Z Plane

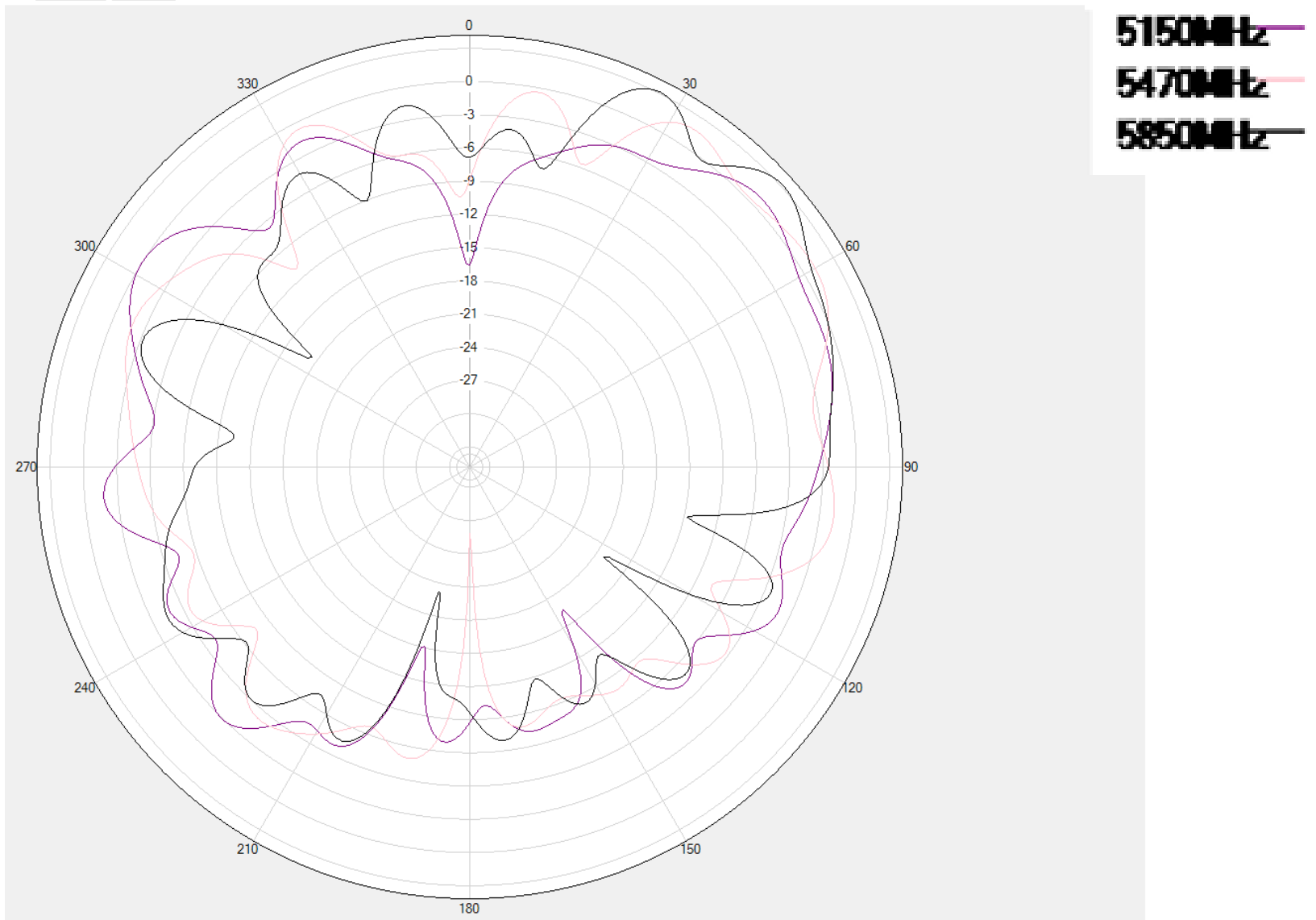


# Measure pattern

## Antenna2 X-Y Plane





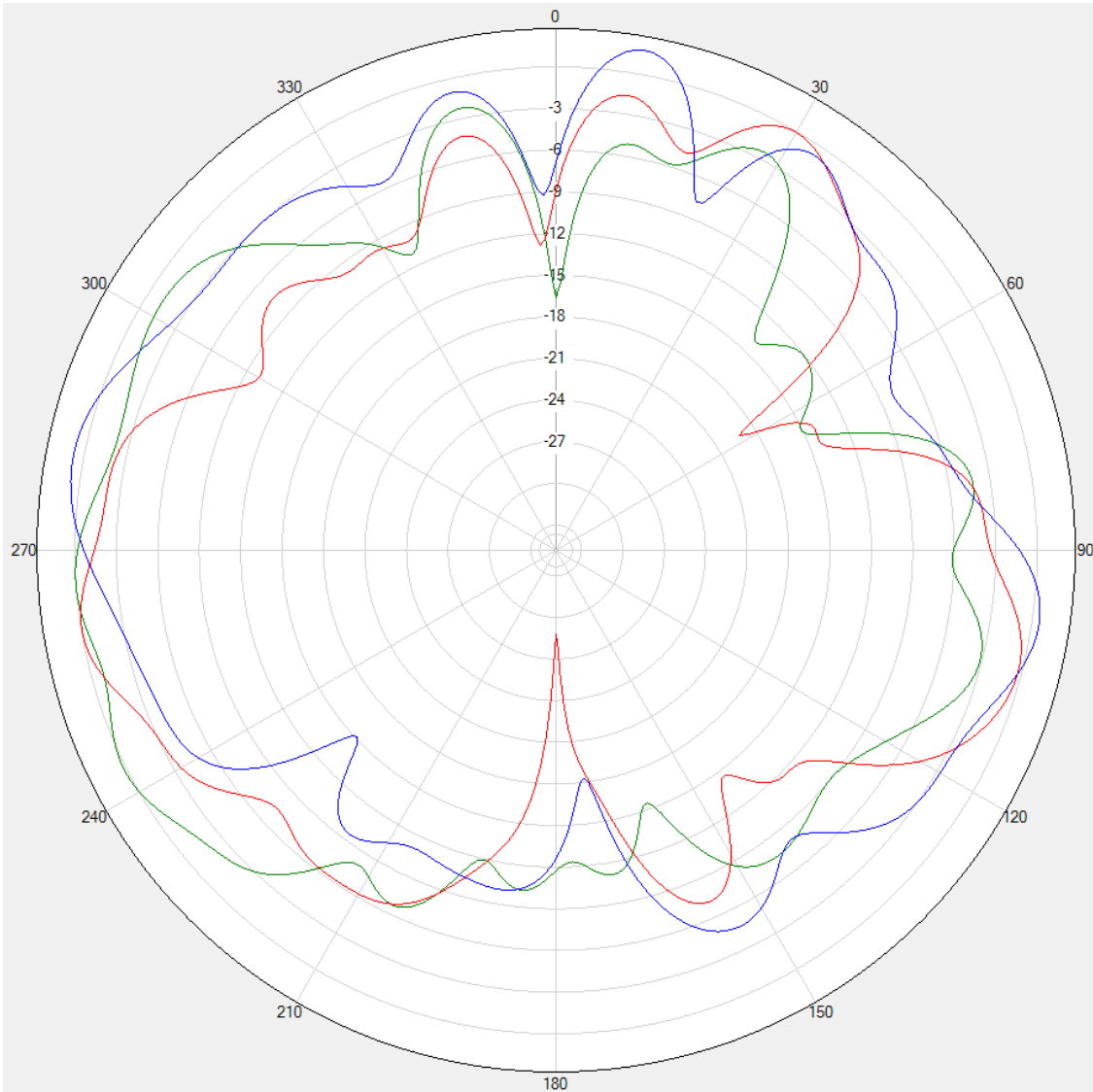
## Antenna2 X-Z Plane



# Measure pattern

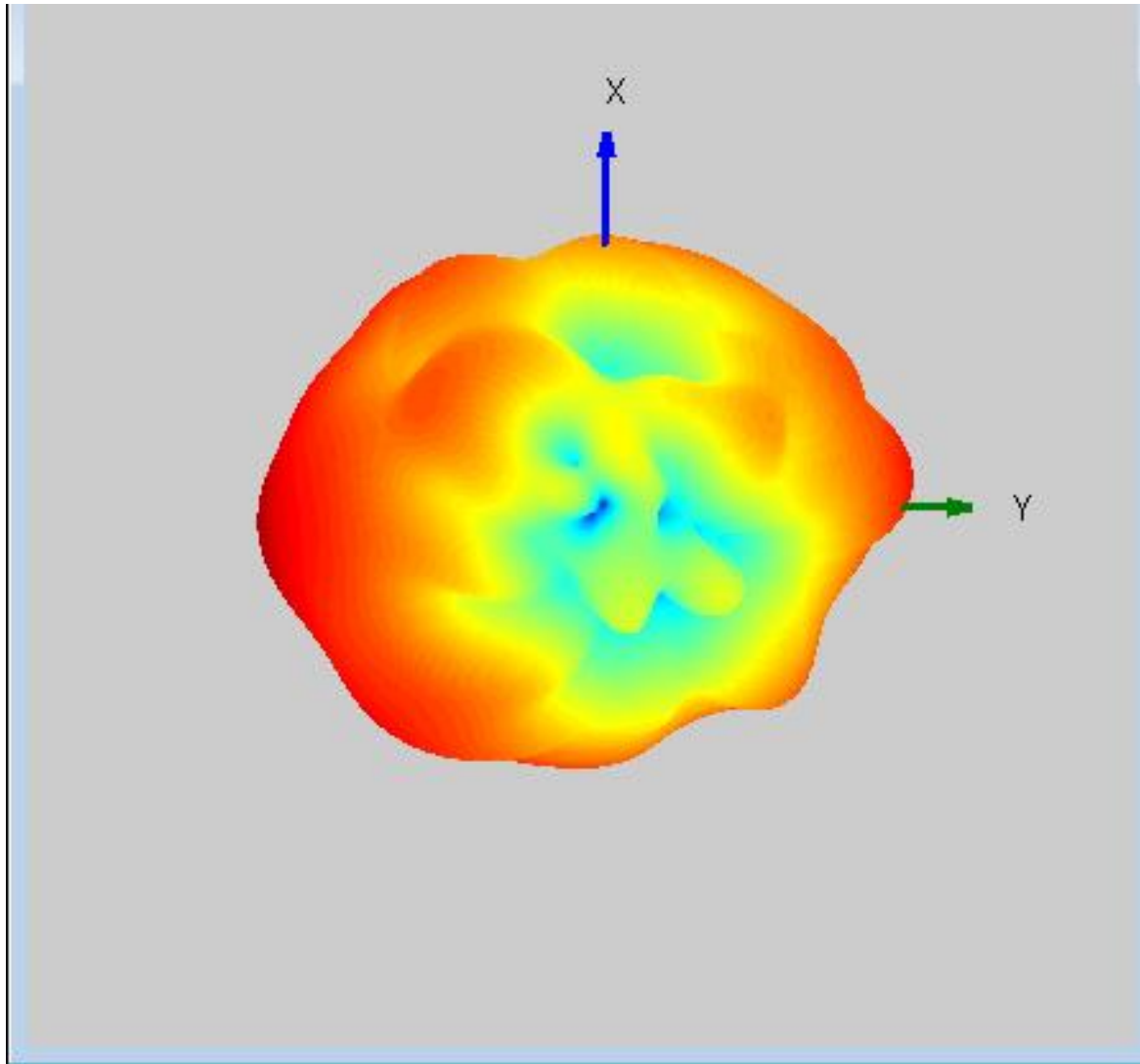
## Antenna2 Y-Z Plane

5150MHz   
5470MHz   
5850MHz 

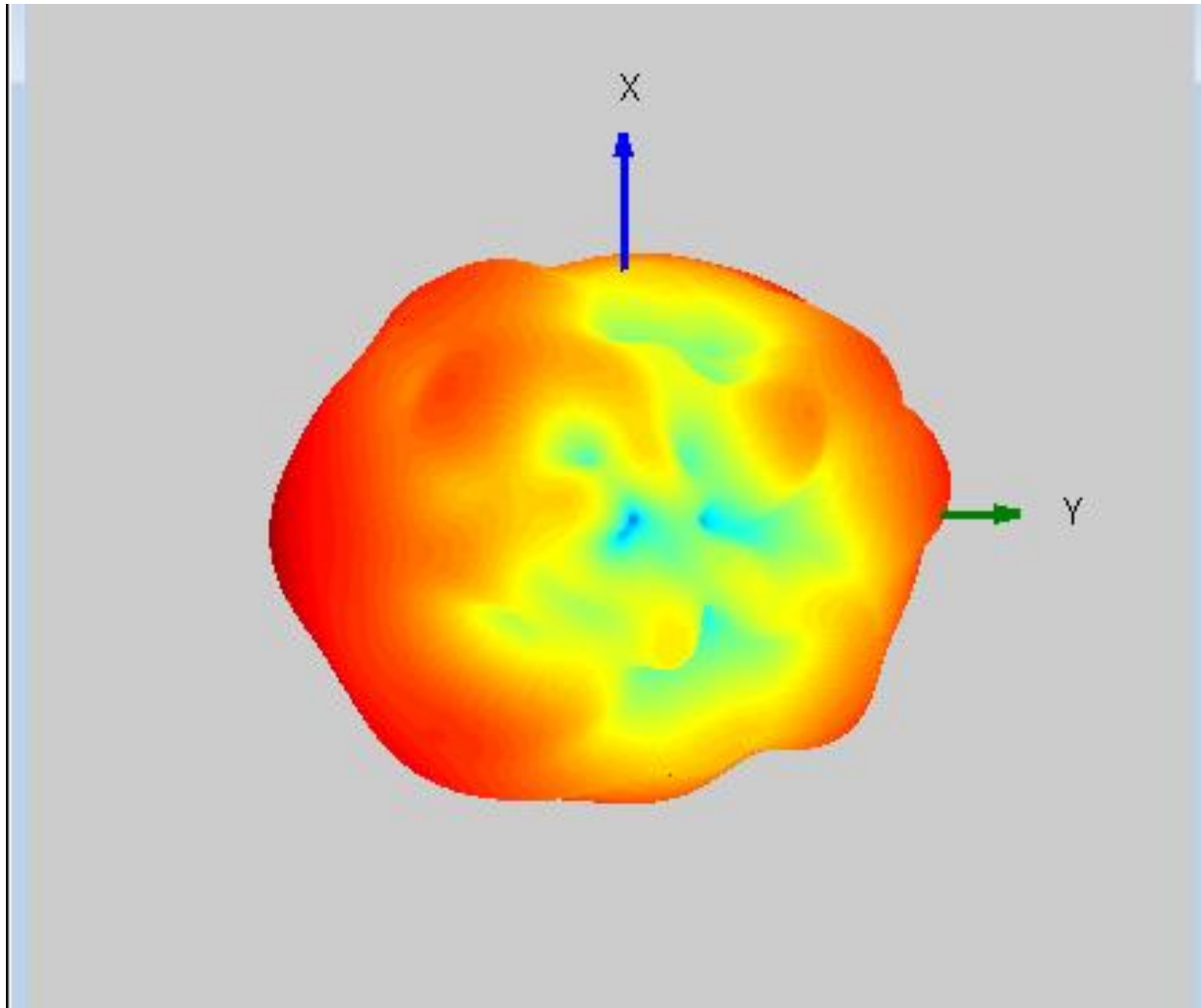


# Measure pattern

View1 Antenna1 : 2400MHz

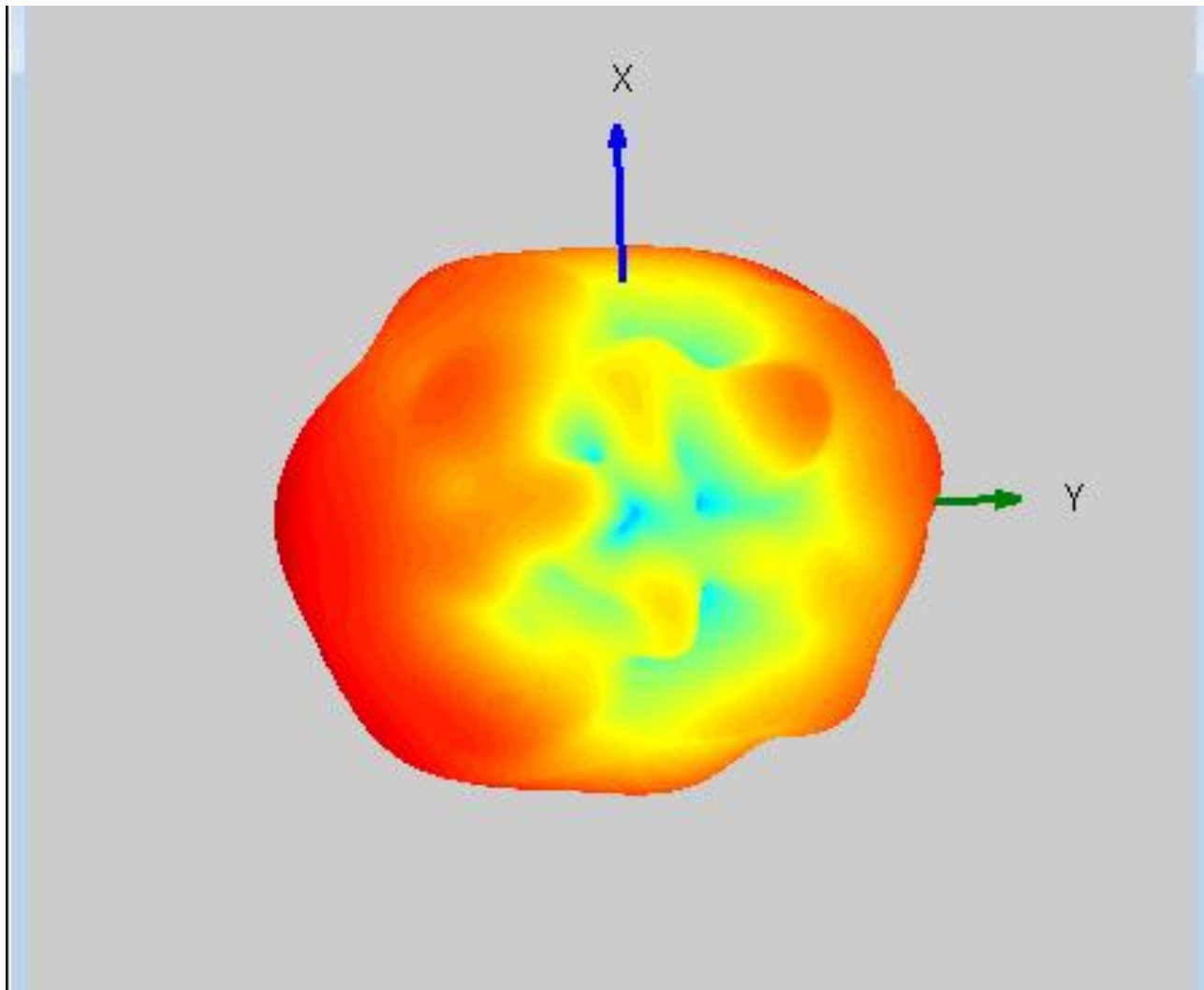


View1 Antenna1 : 2450MHz



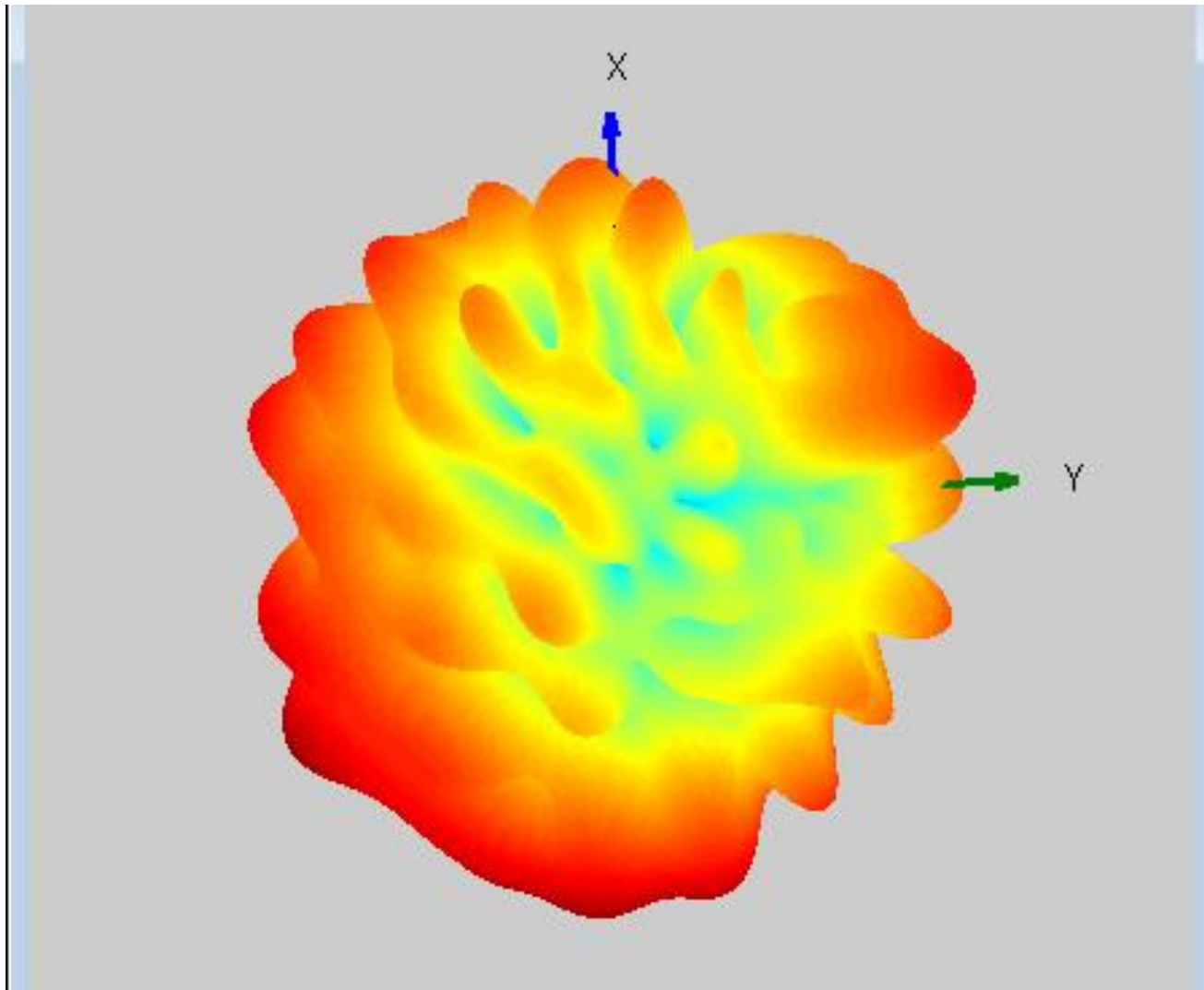
# Measure pattern

View1 Antenna1 : 2500MHz



# Measure pattern

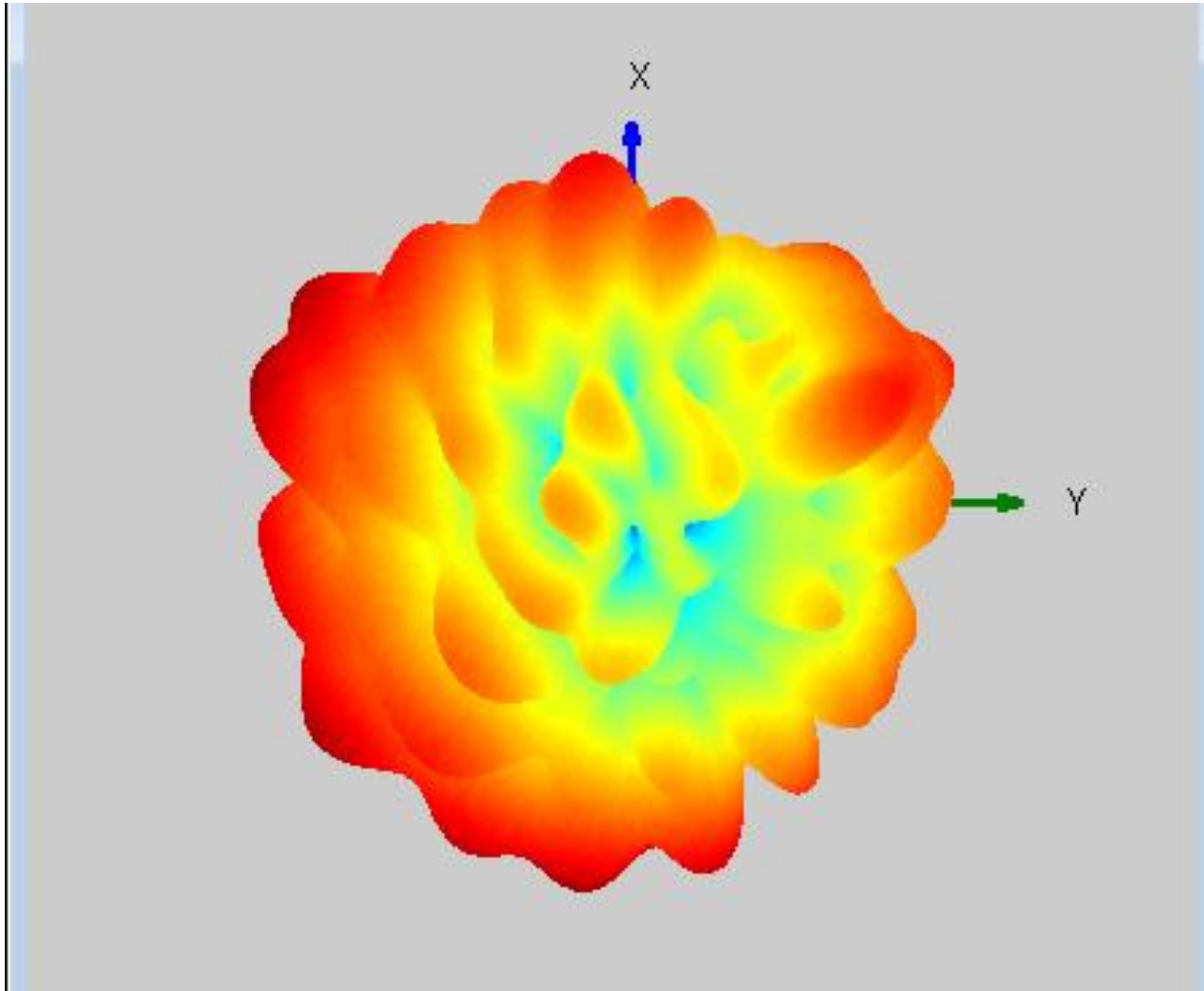
View1 Antenna1 : 5150MHz





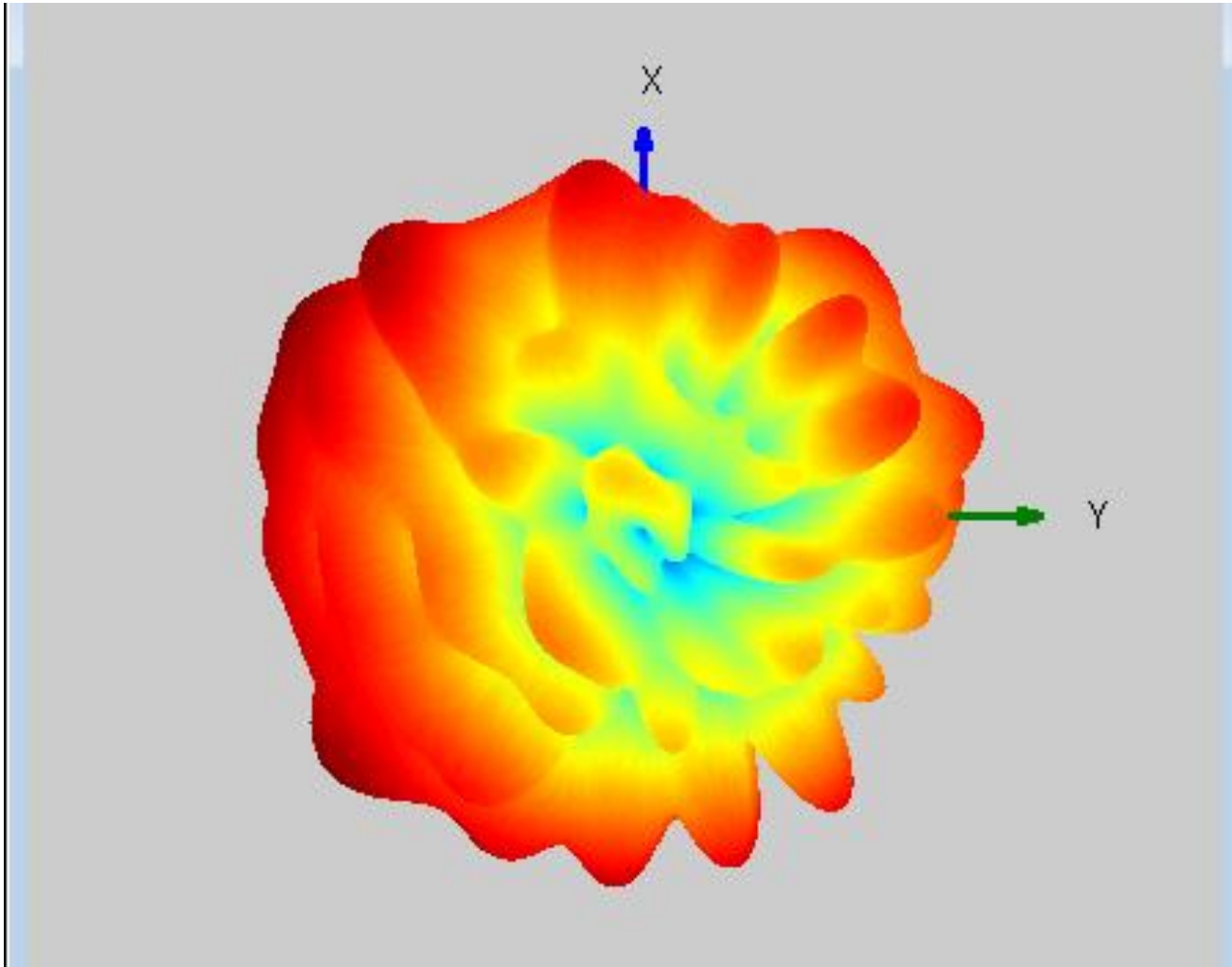
# Measure pattern

View1 Antenna1 : 5470MHz

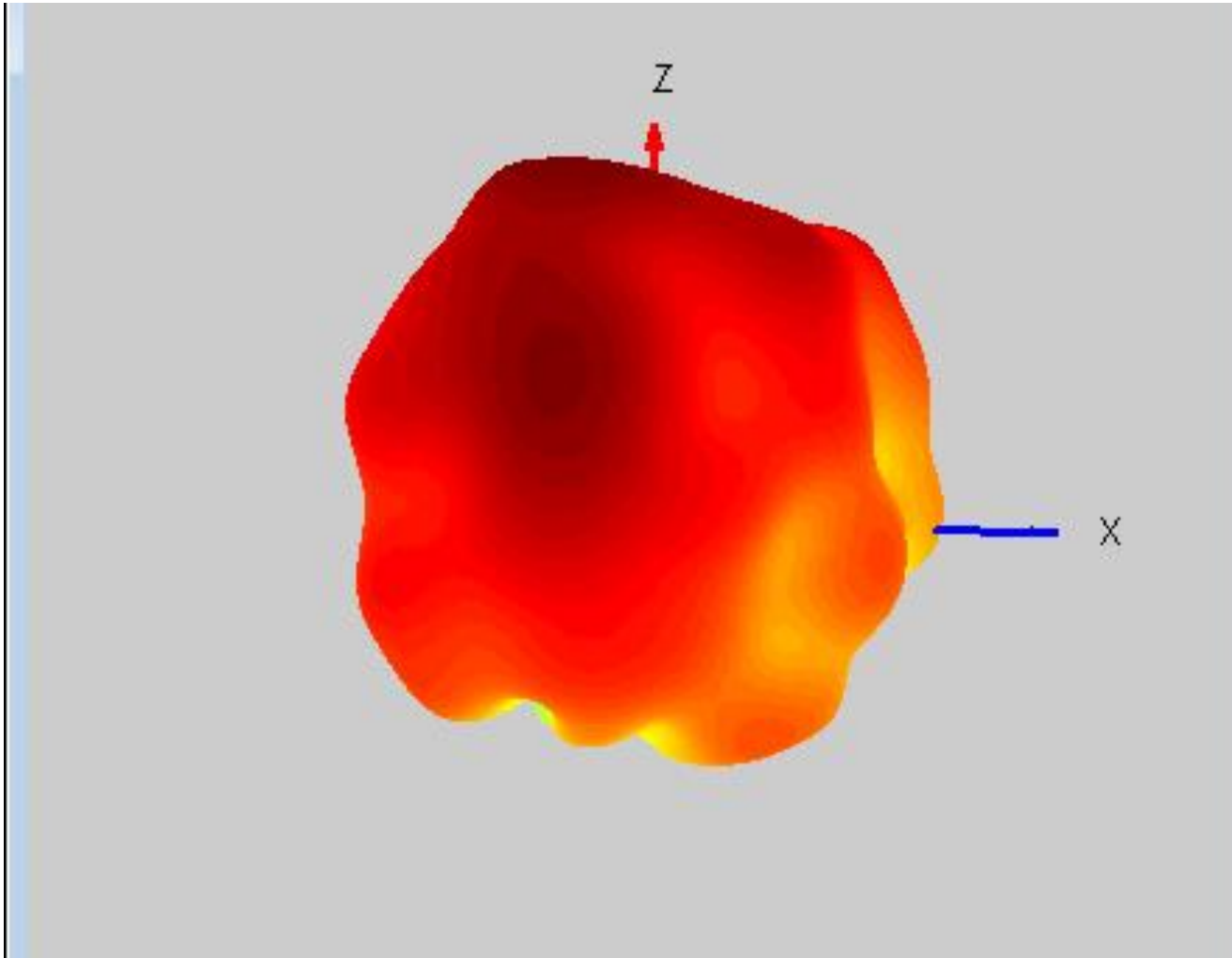


# Measure pattern

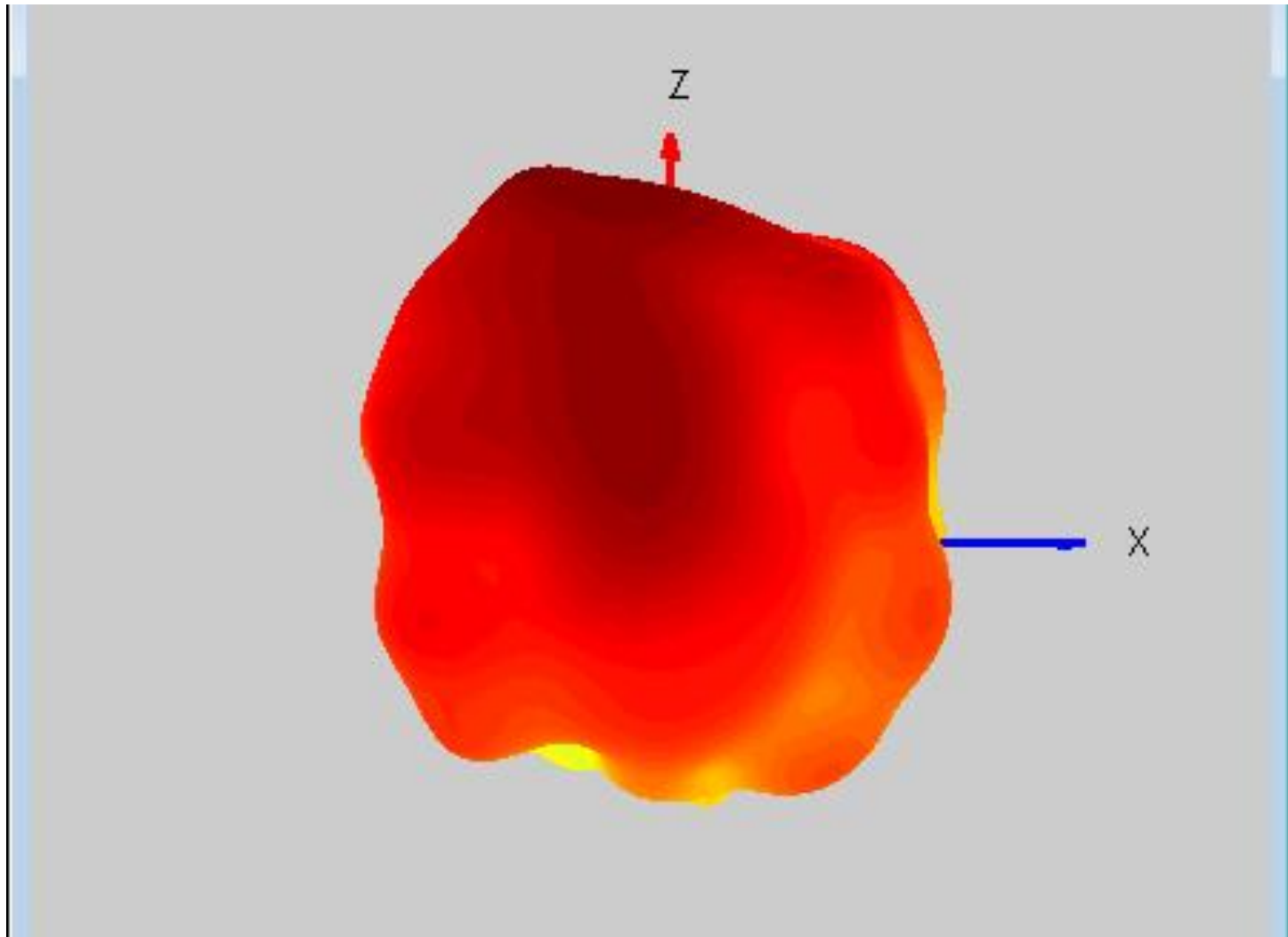
View1 Antenna1 : 5850MHz



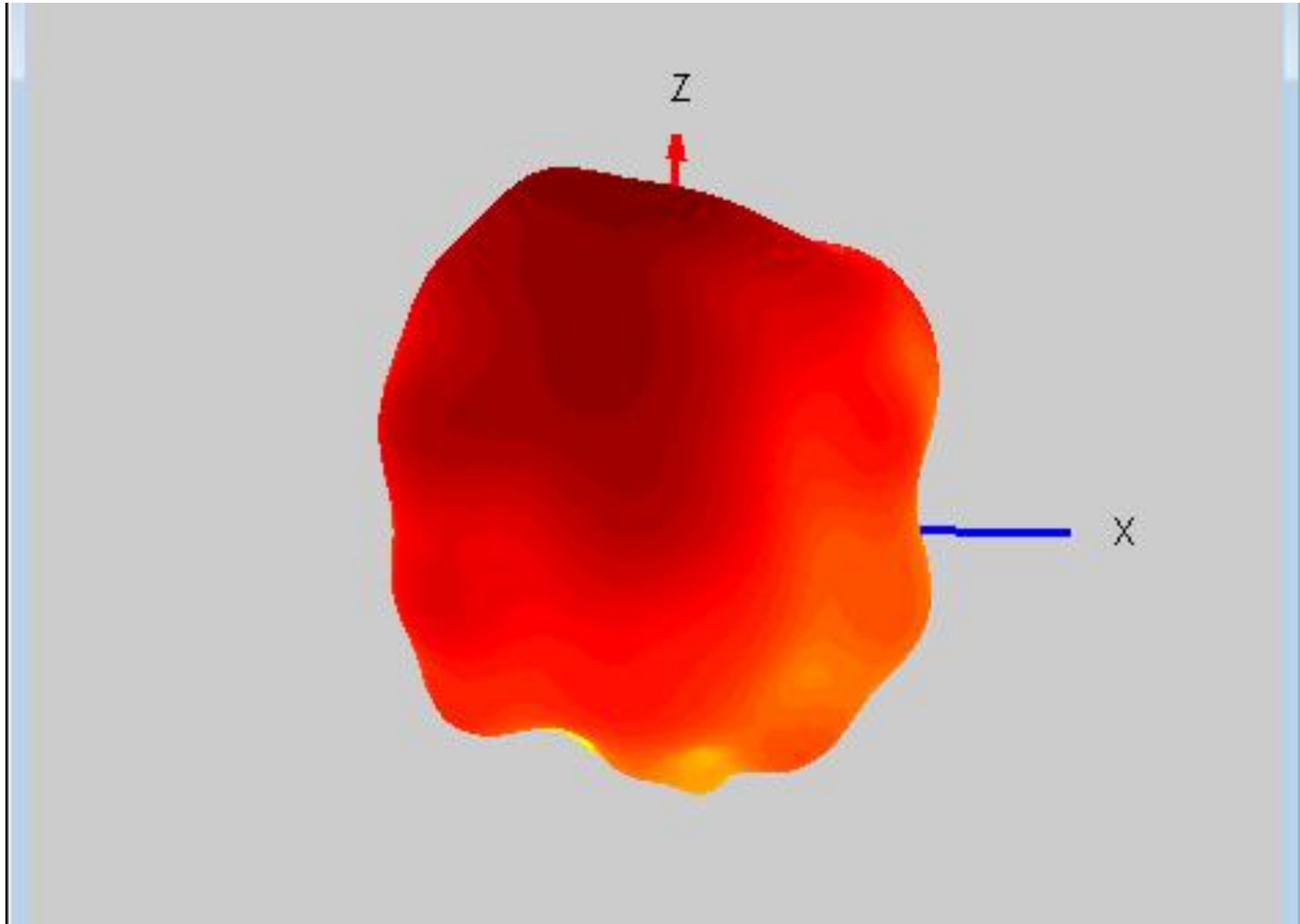
## View2 Antenna1 : 2400MHz



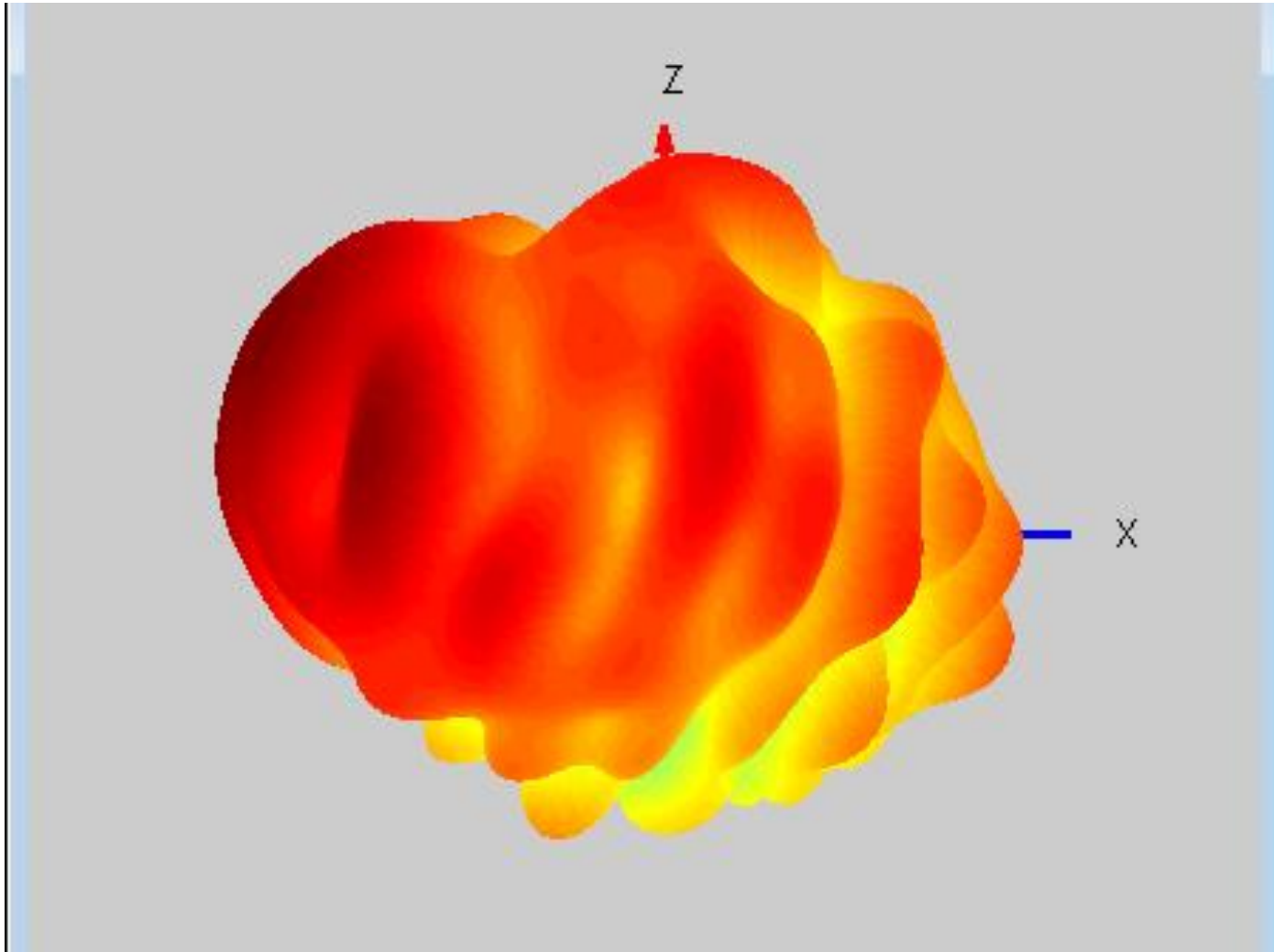
## View2 Antenna1 : 2450MHz



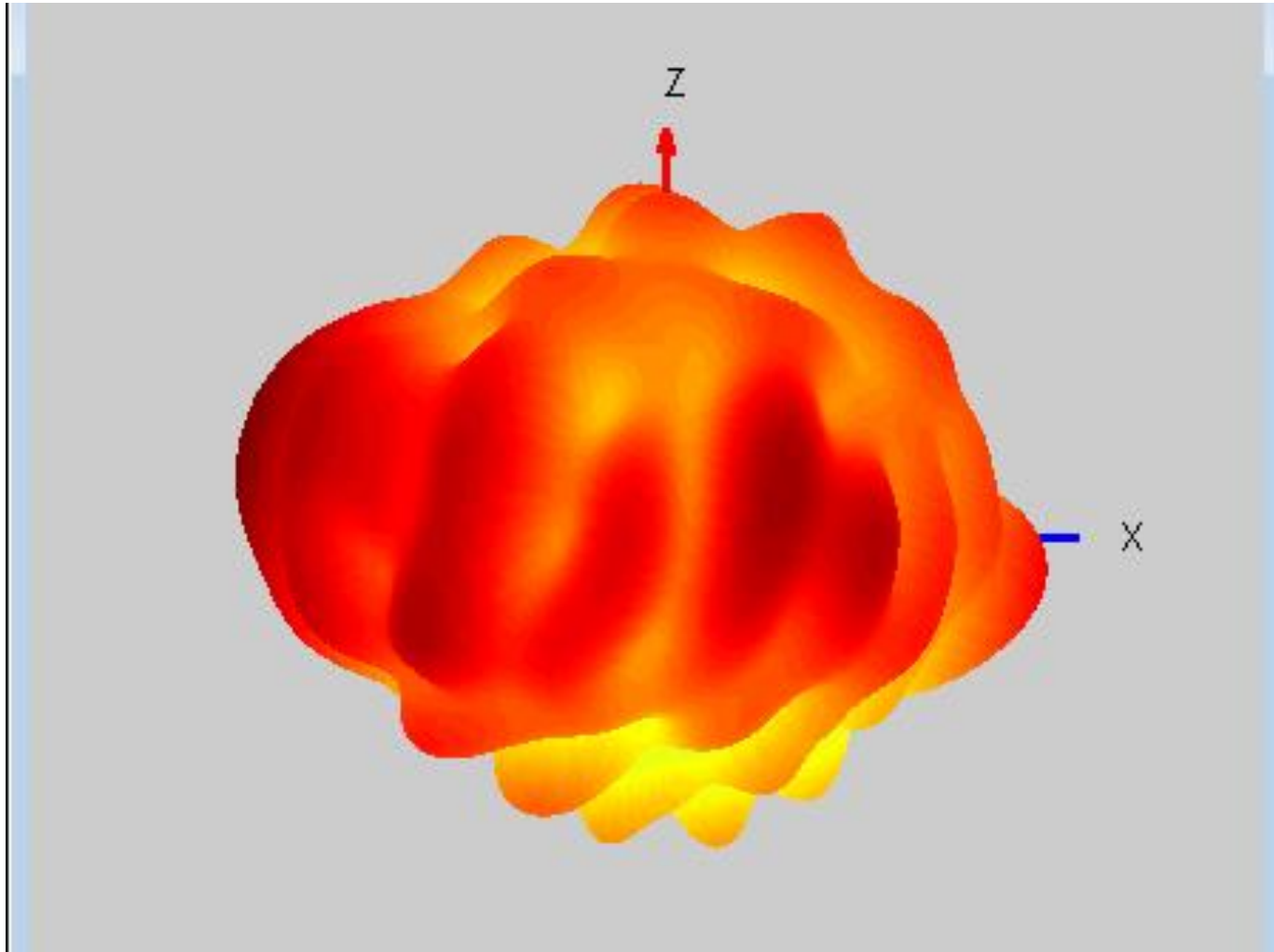
## View2 Antenna1 : 2500MHz



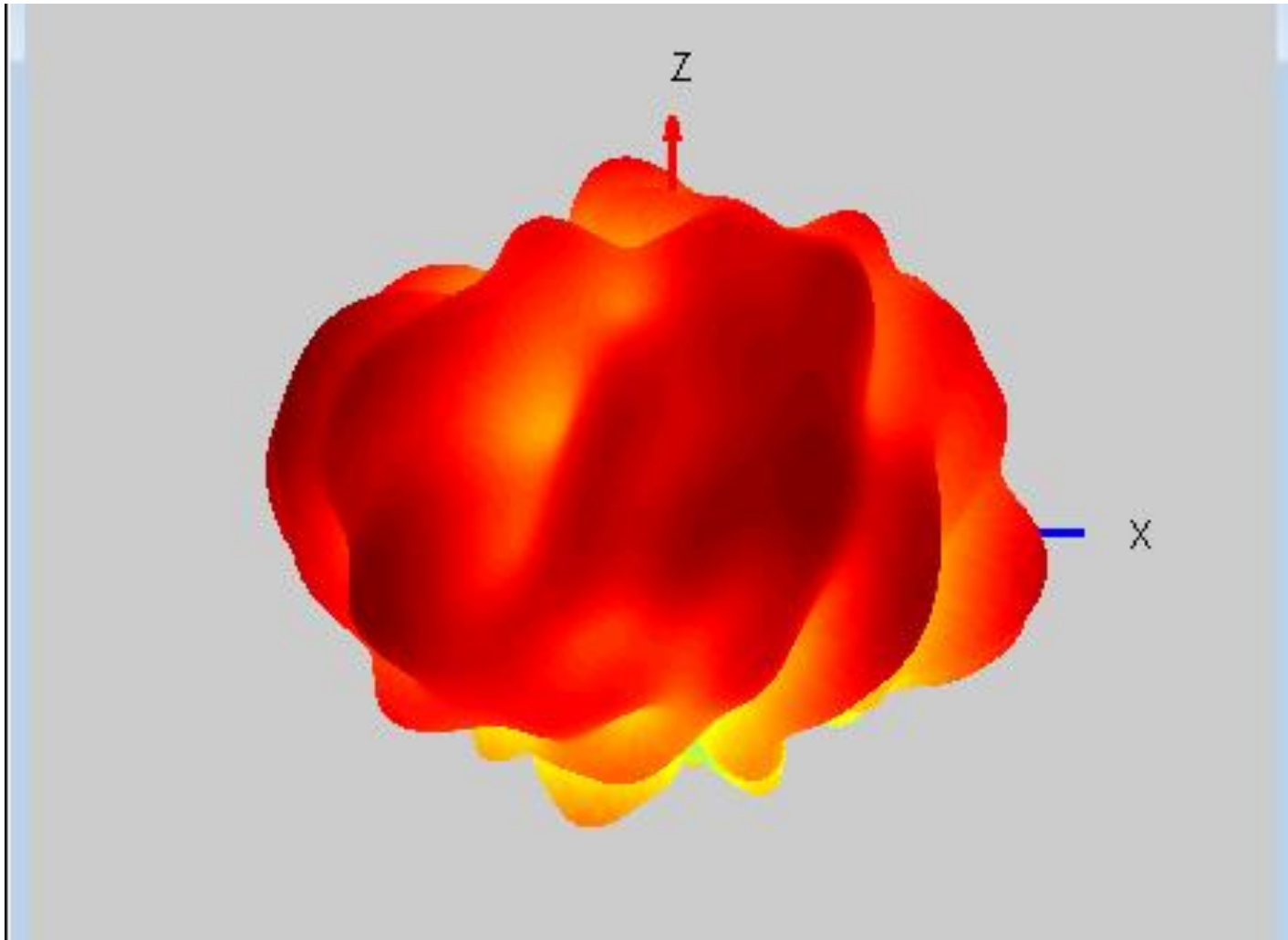
View2 Antenna1 : 5150MHz



View2 Antenna1 : 5470MHz

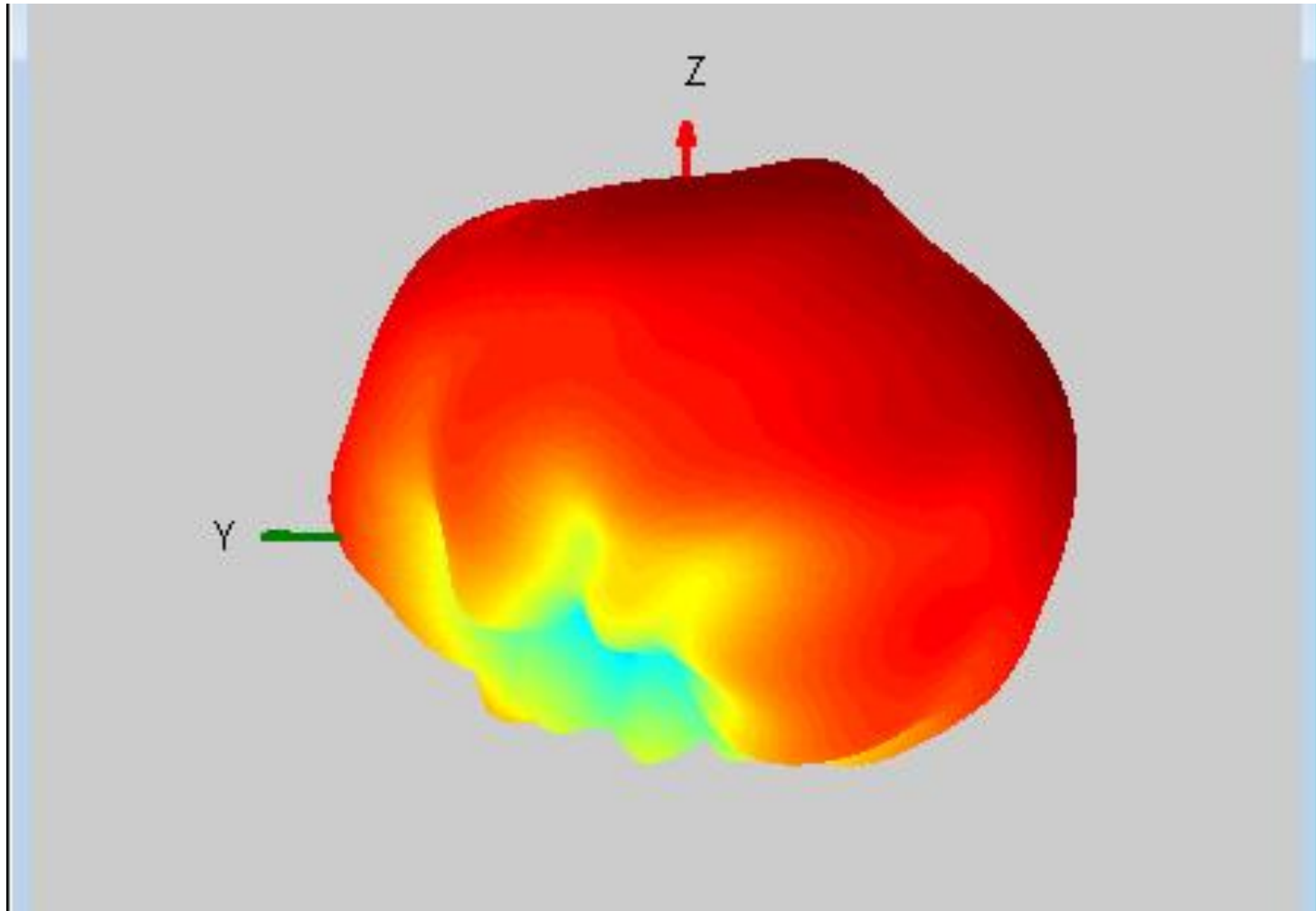


View2 Antenna1 : 5850MHz

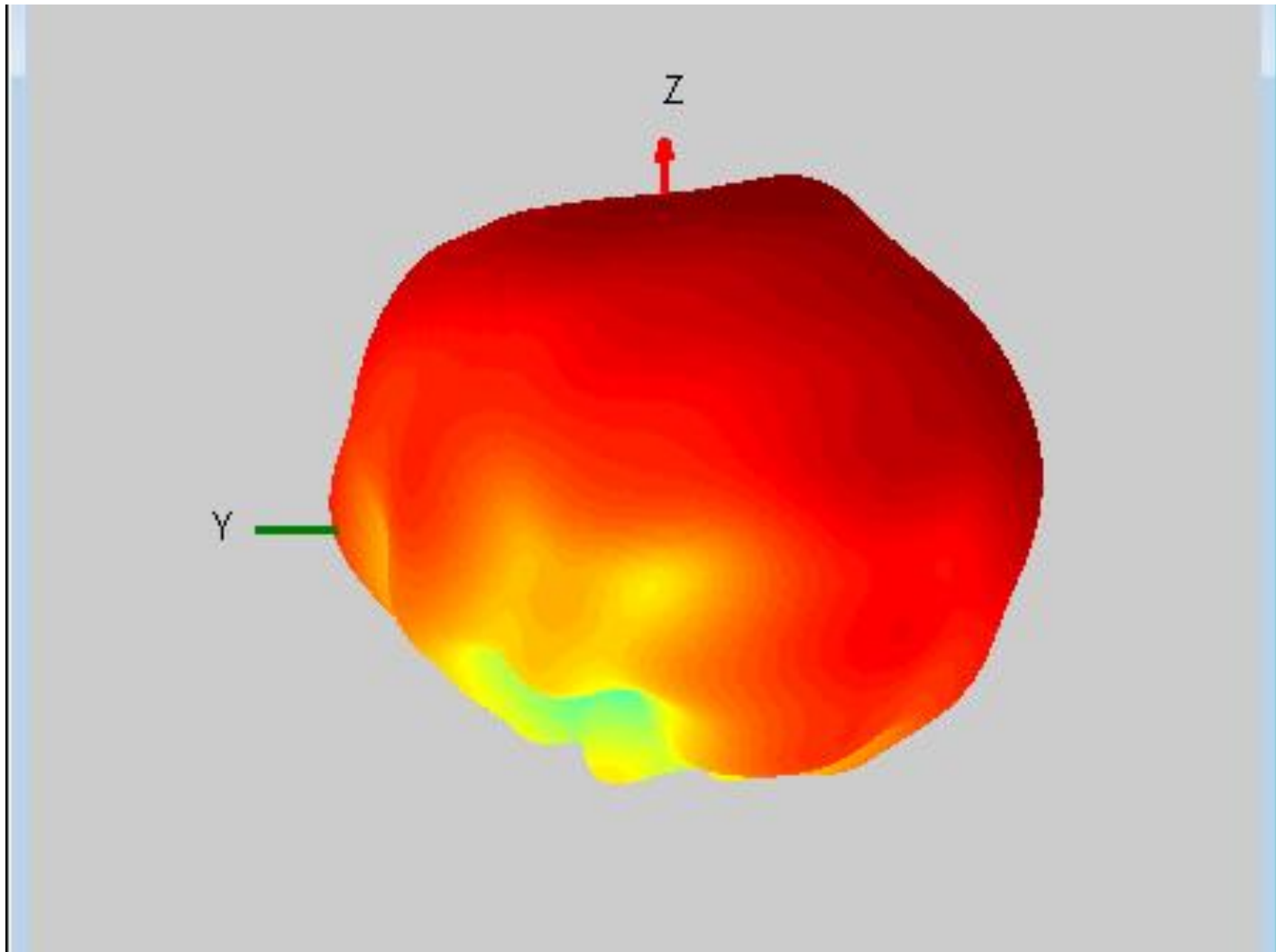




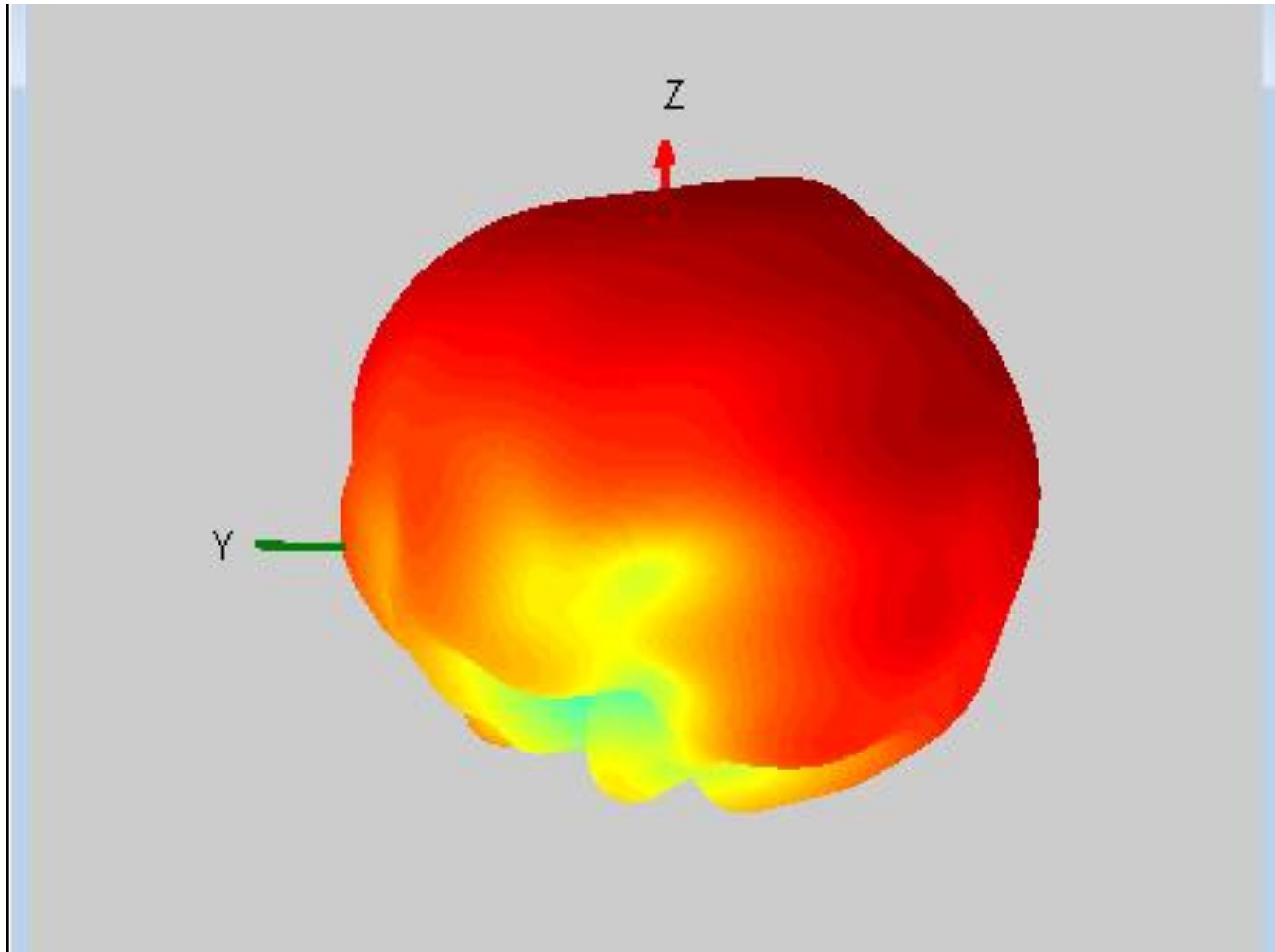
## View3 Antenna1 : 2400MHz



## View3 Antenna1 : 2450MHz

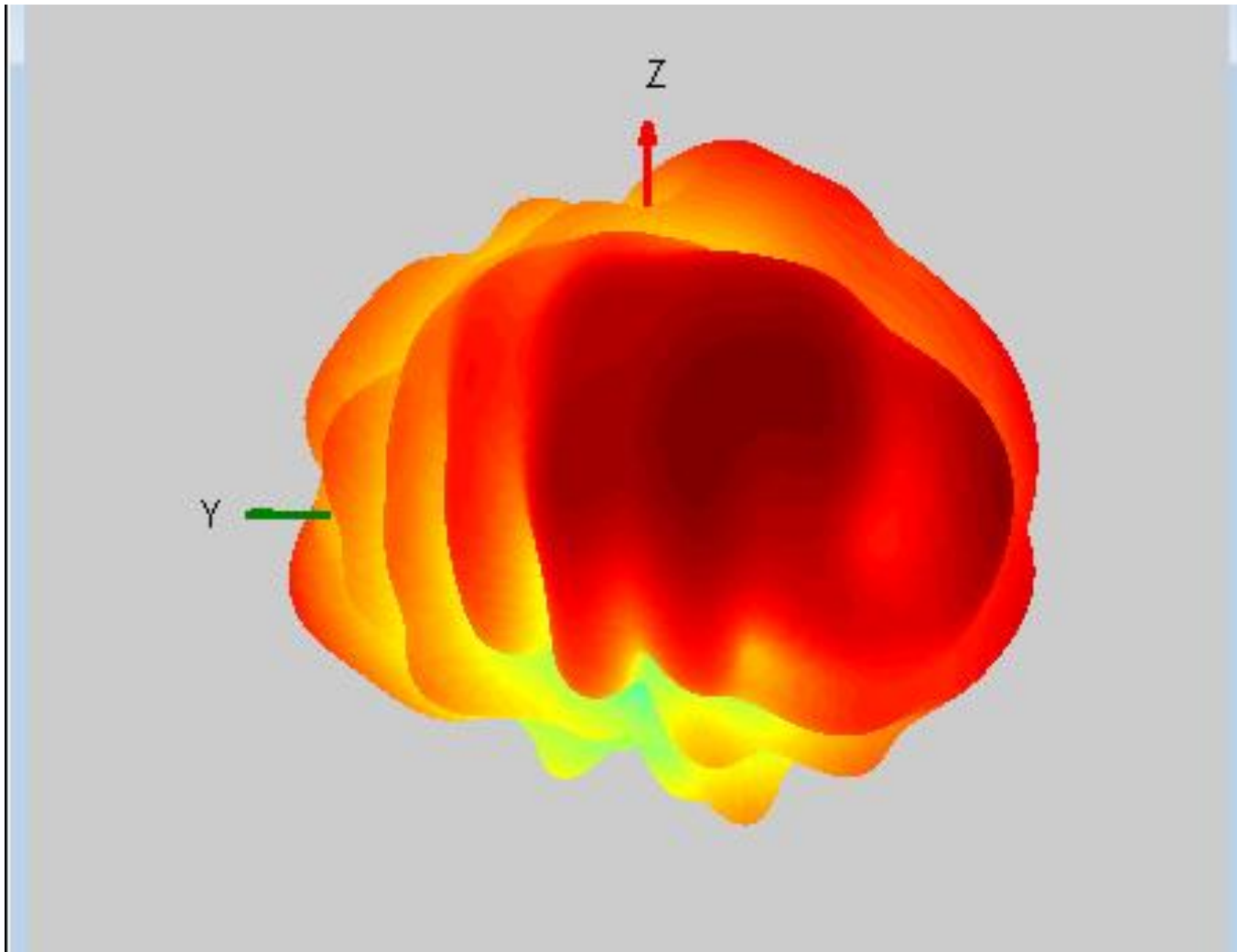


## View3 Antenna1 : 2500MHz

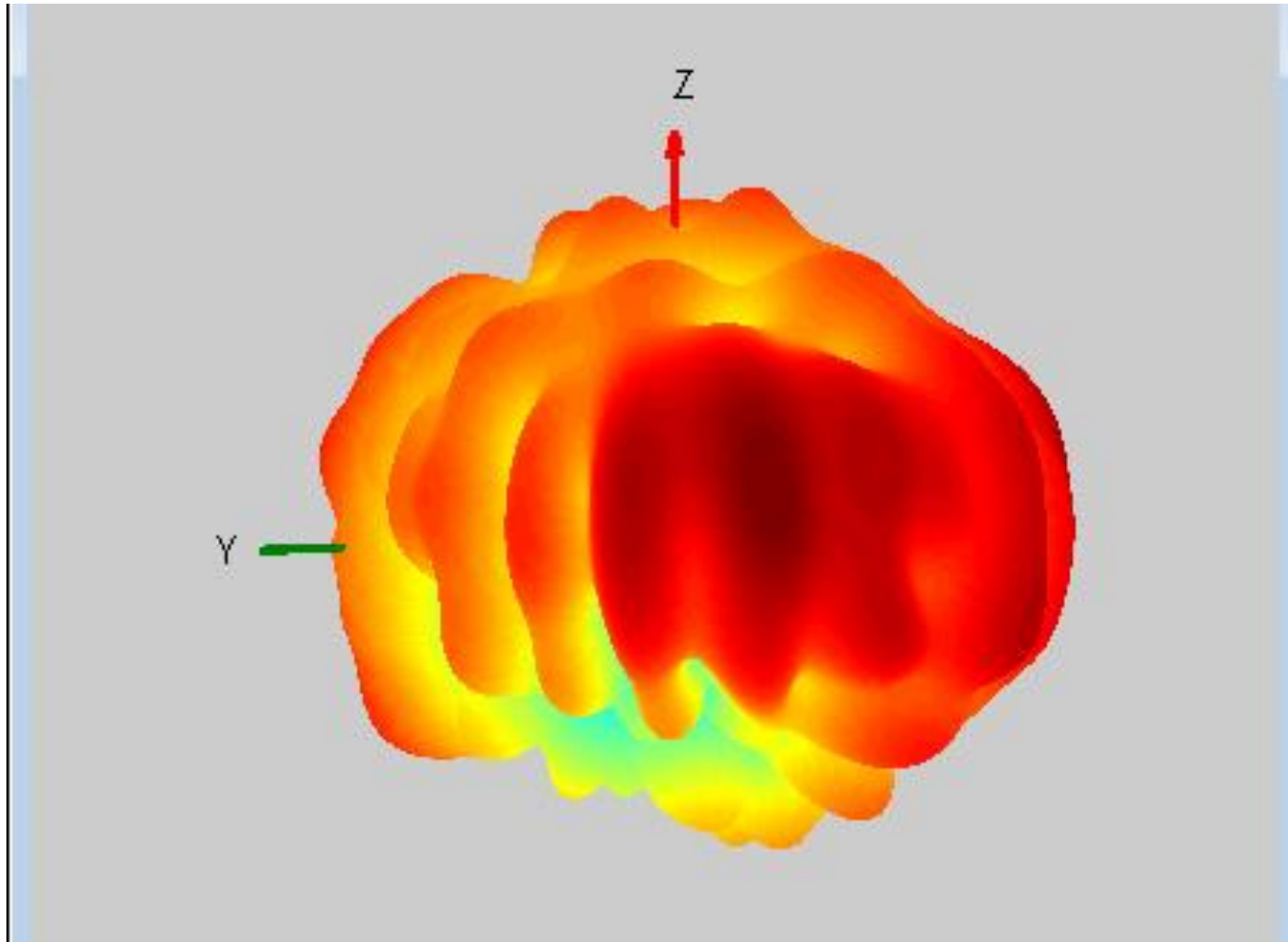


# Measure pattern

View3 Antenna1 : 5150MHz

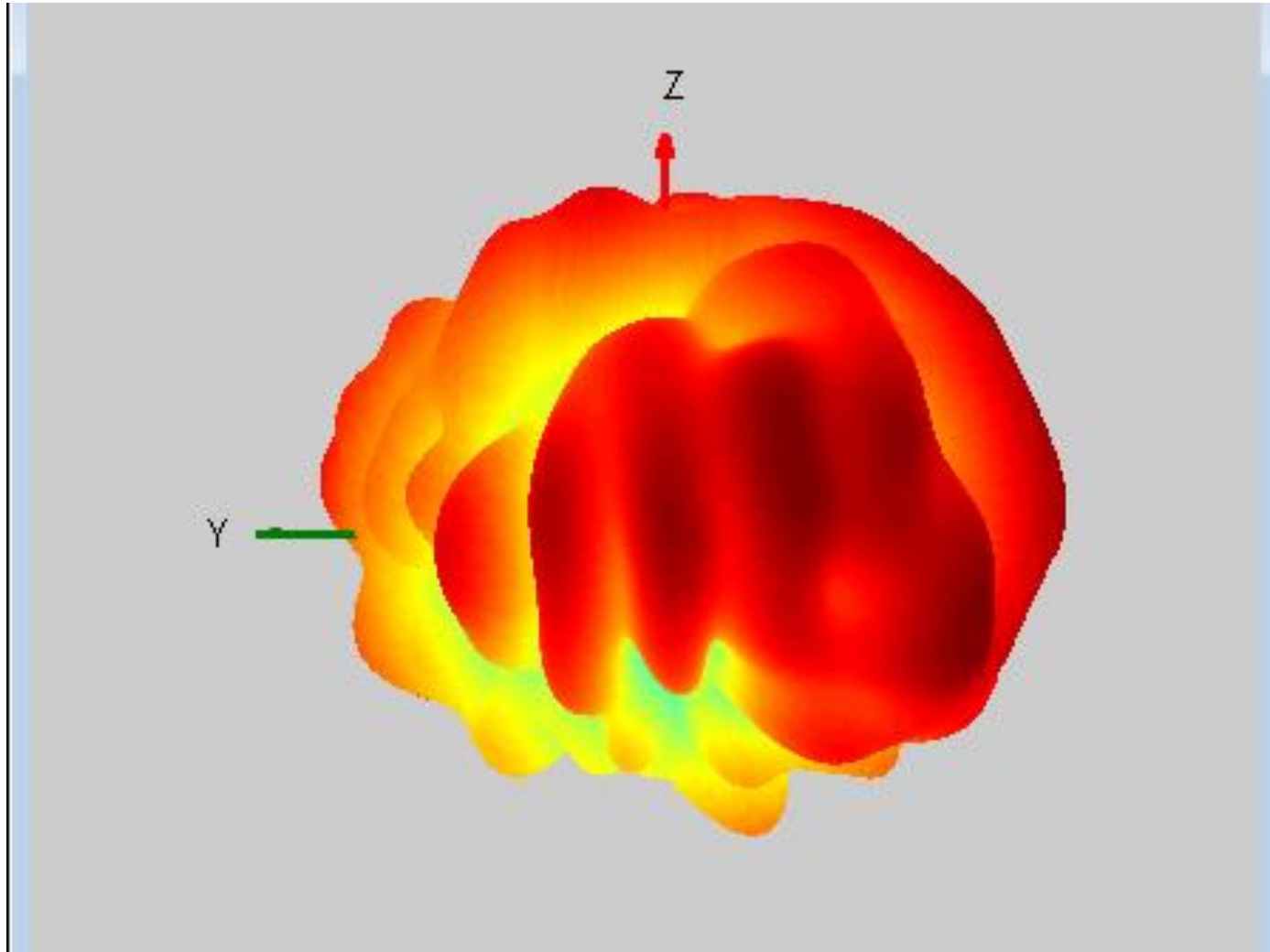


## View3 Antenna1 : 5470MHz

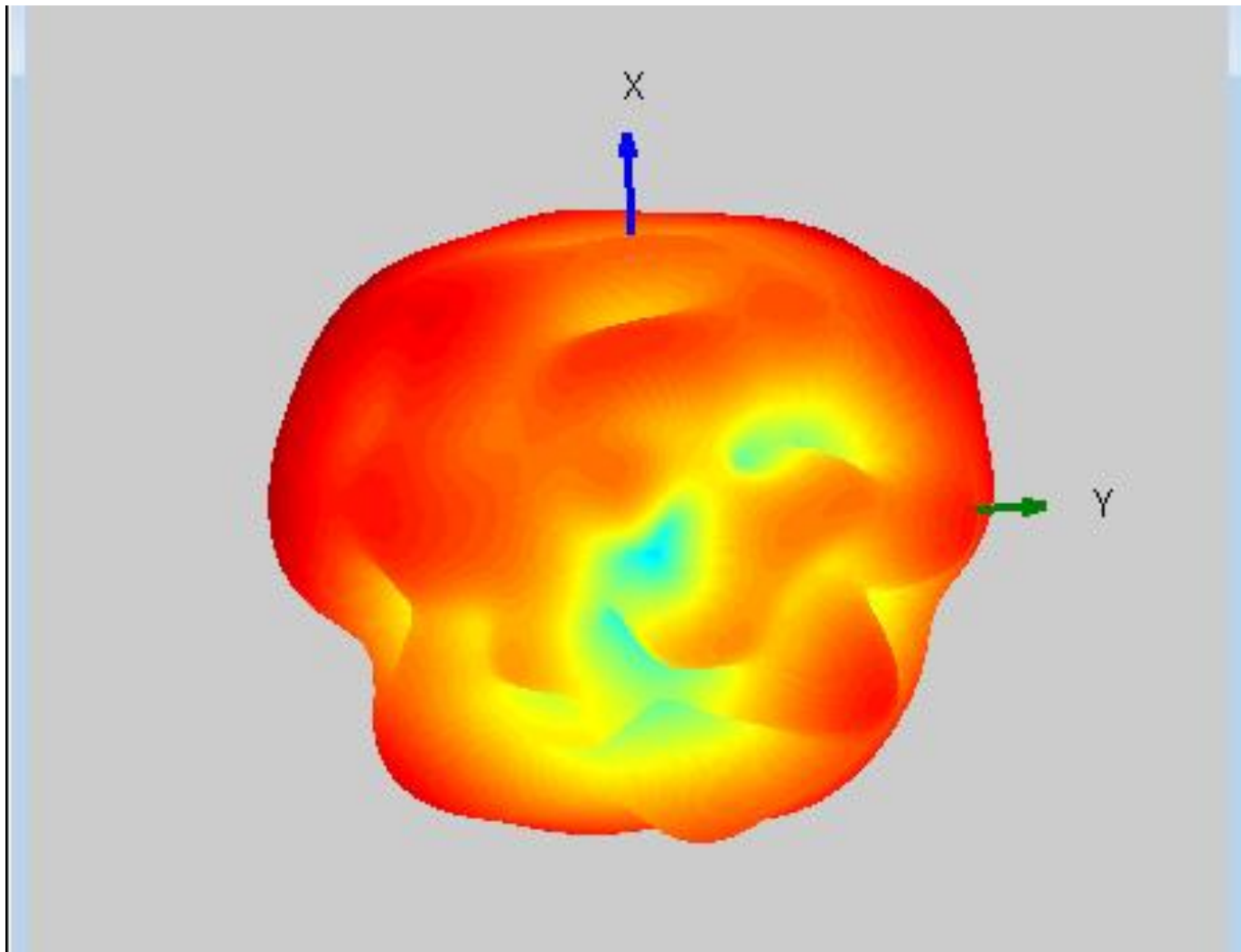


# Measure pattern

View3 Antenna1 : 5850MHz

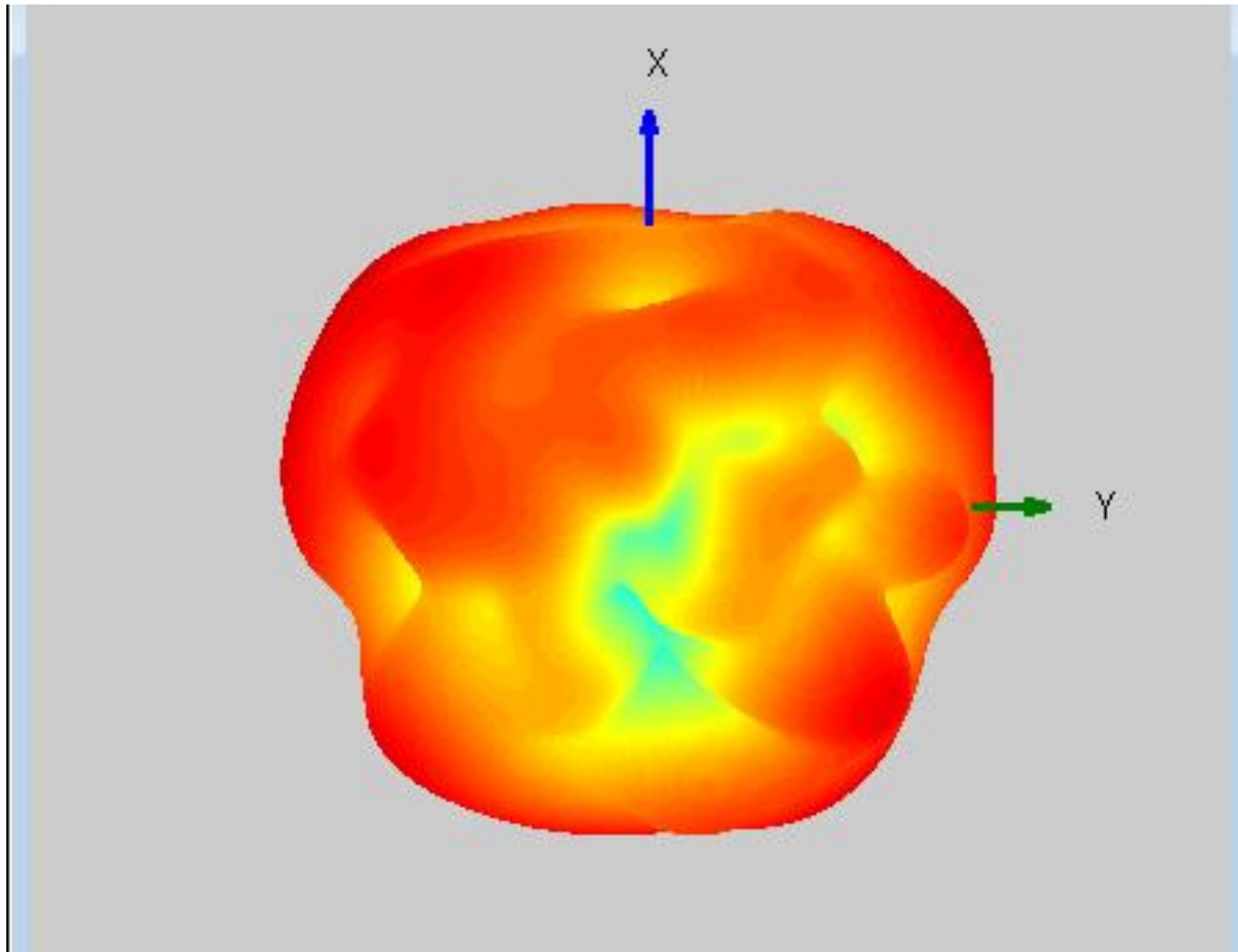


View1 Antenna2 : 2400MHz



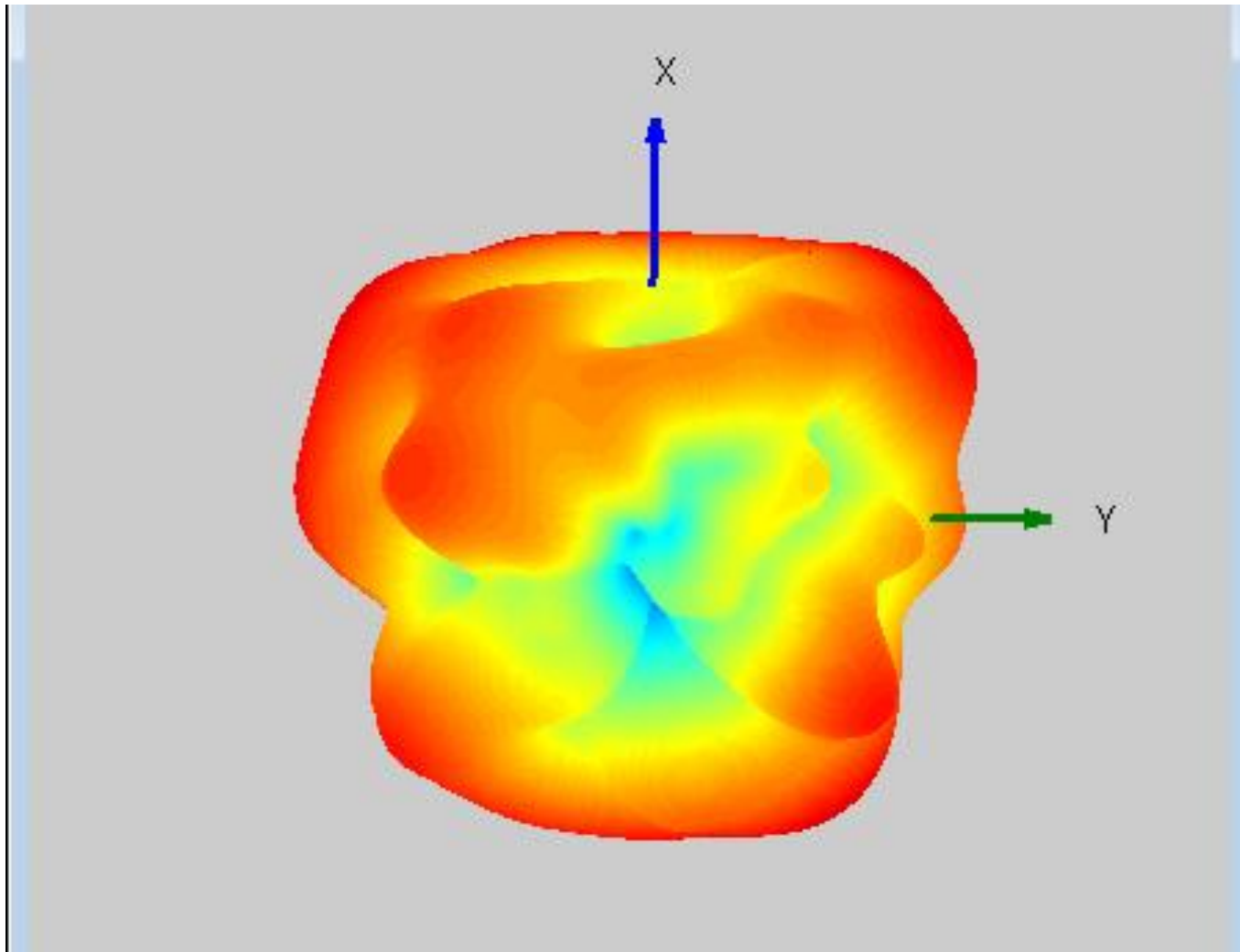
# Measure pattern

View1 Antenna2 : 2450MHz

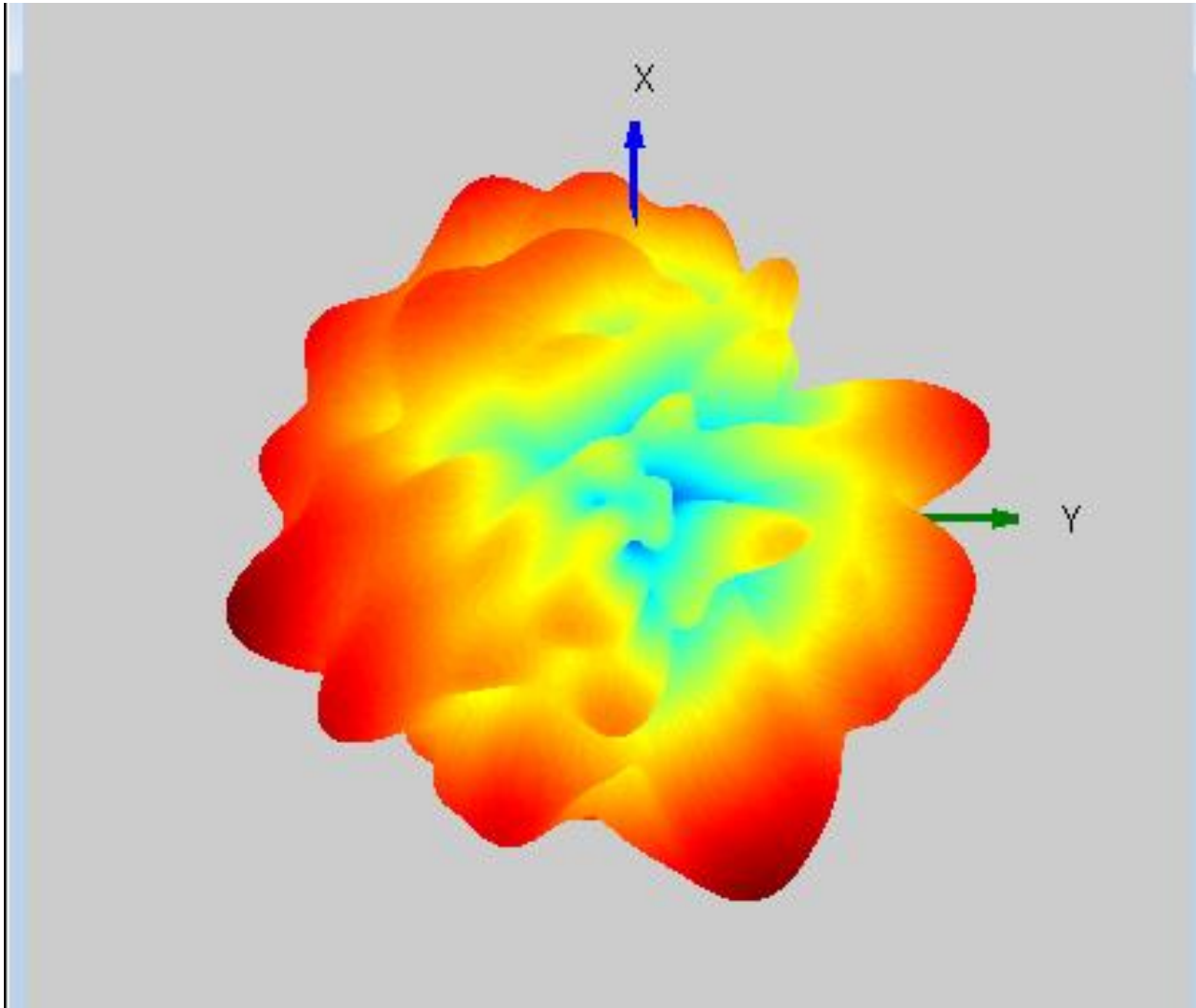




View1 Antenna2 : 2500MHz

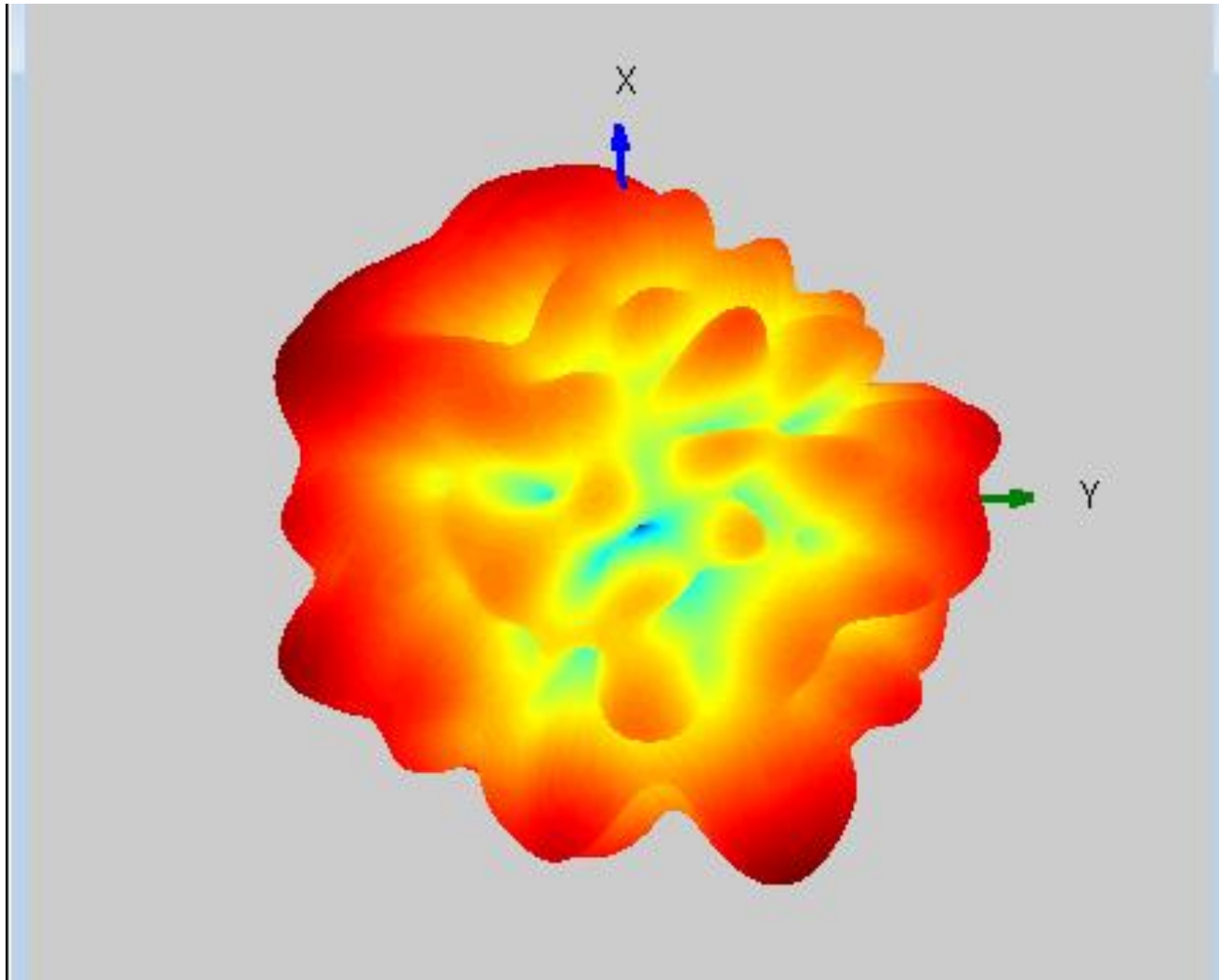


View1 Antenna2 : 5150MHz



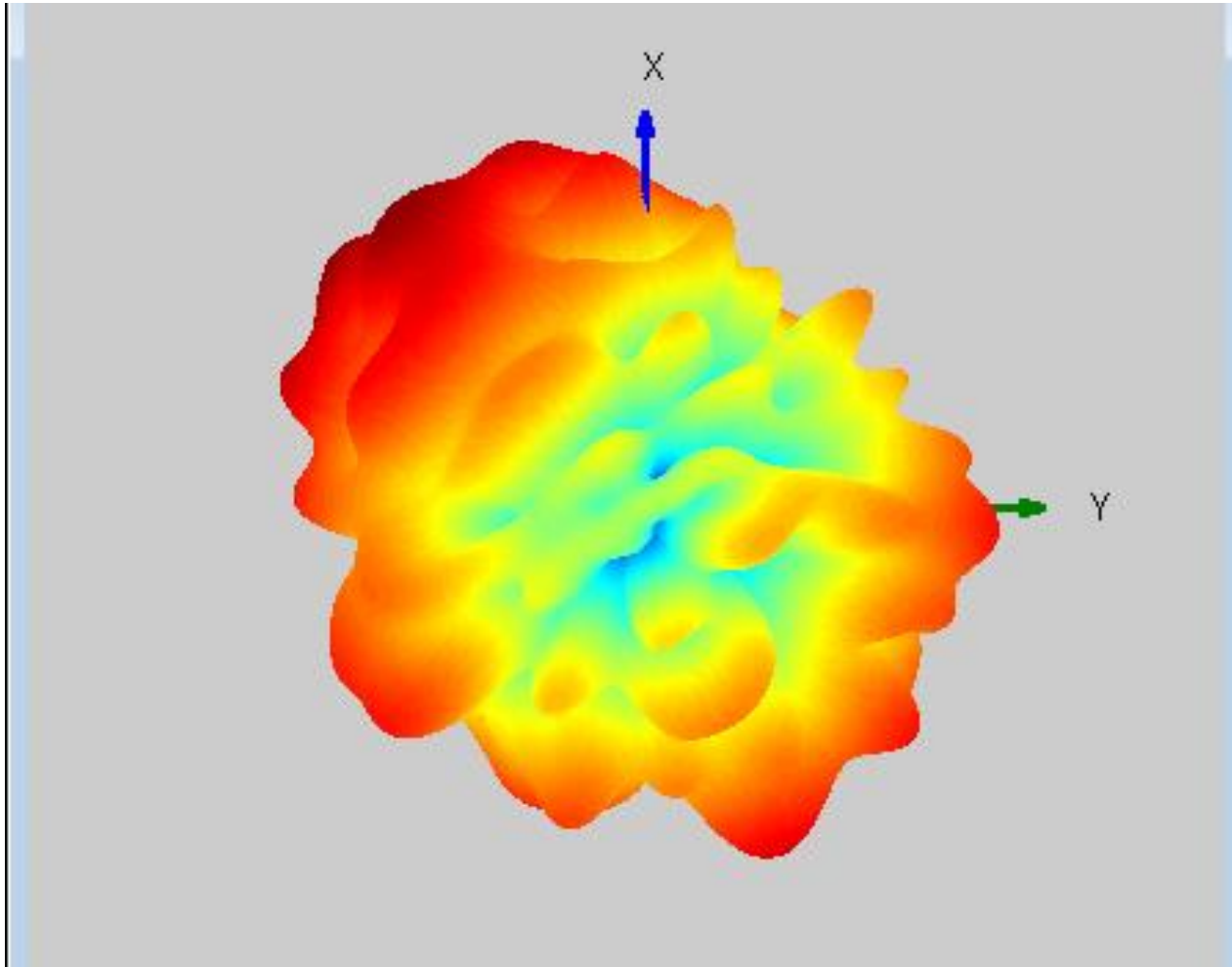
# Measure pattern

View1 Antenna2 : 5470MHz

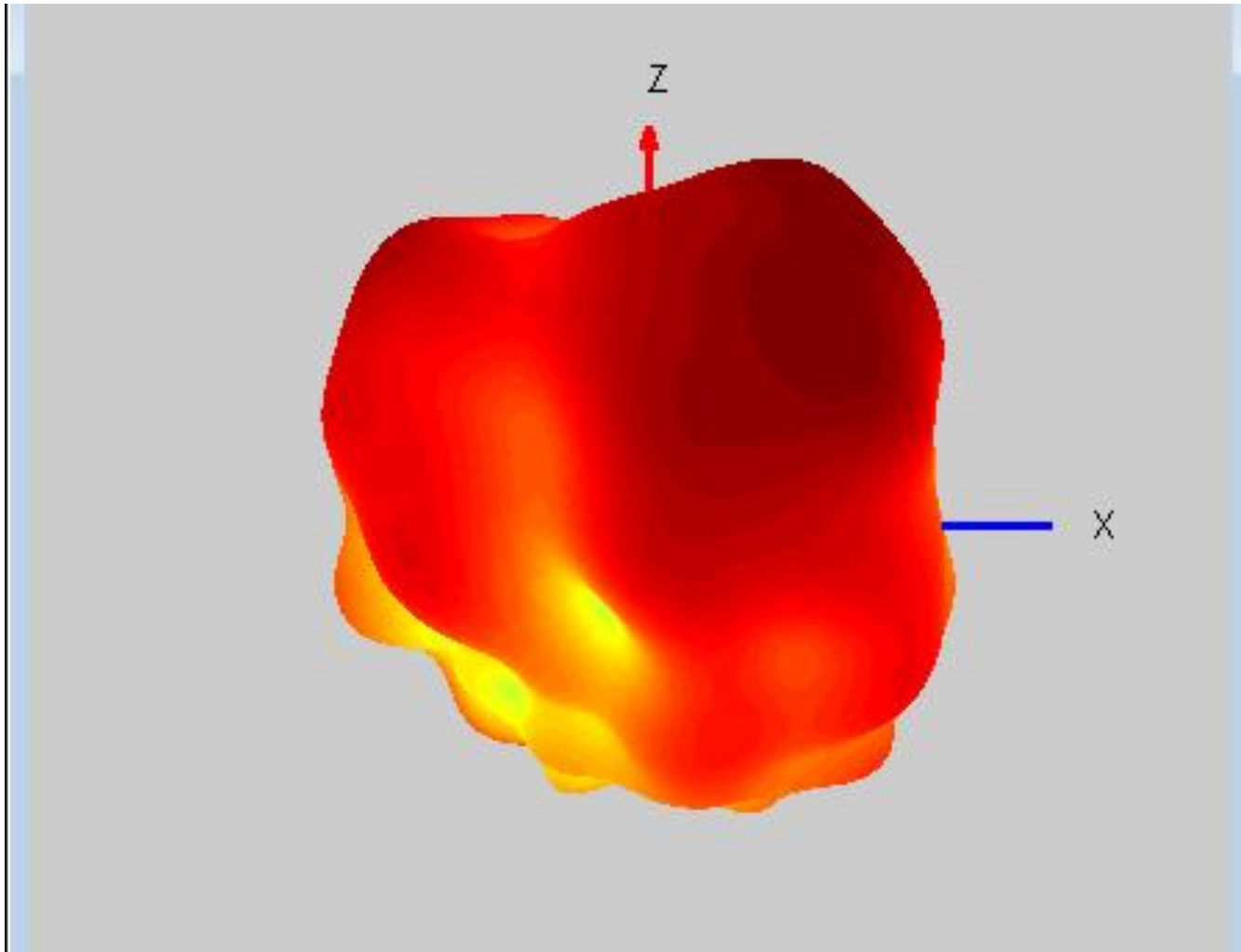


# Measure pattern

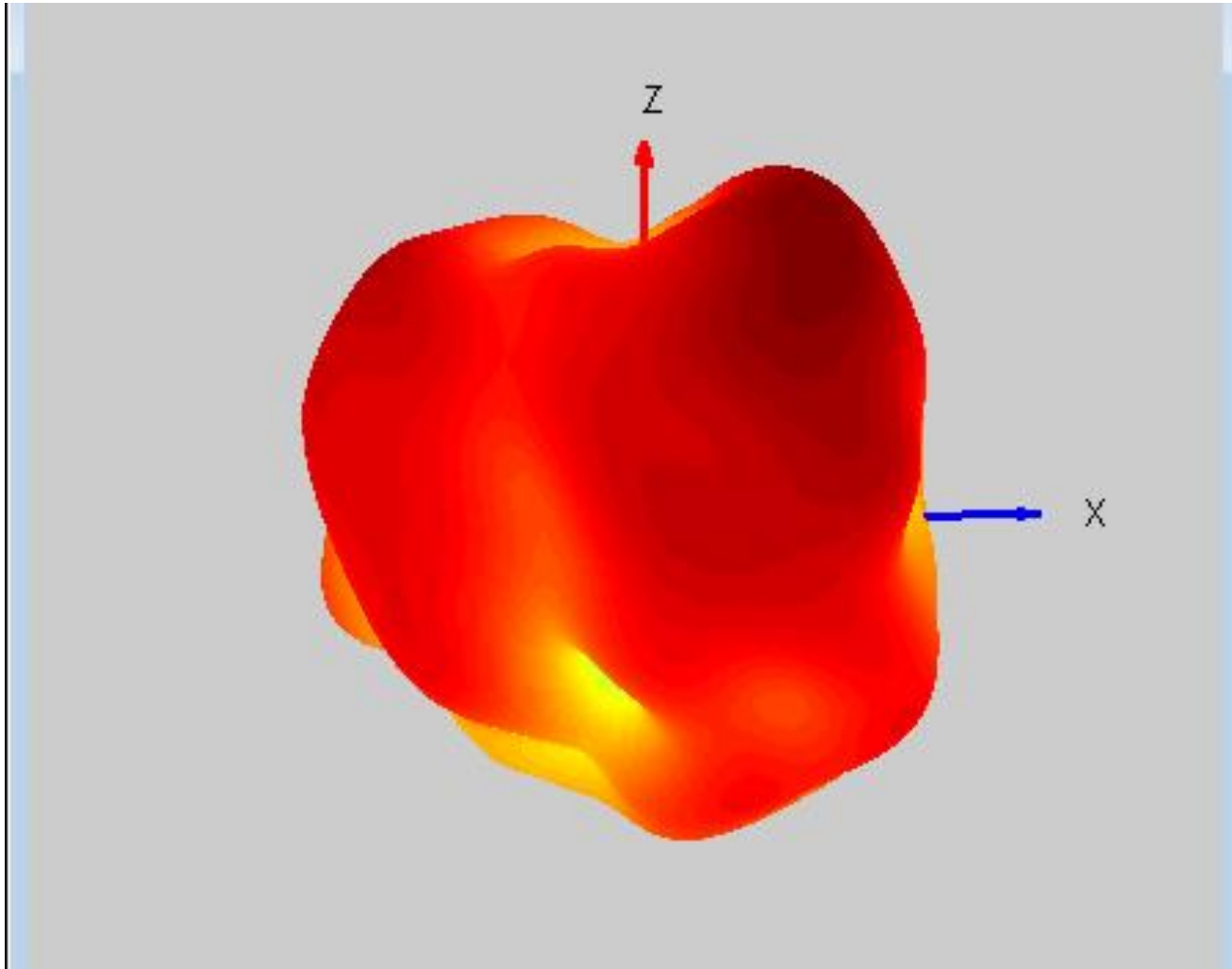
View1 Antenna2 : 5850MHz



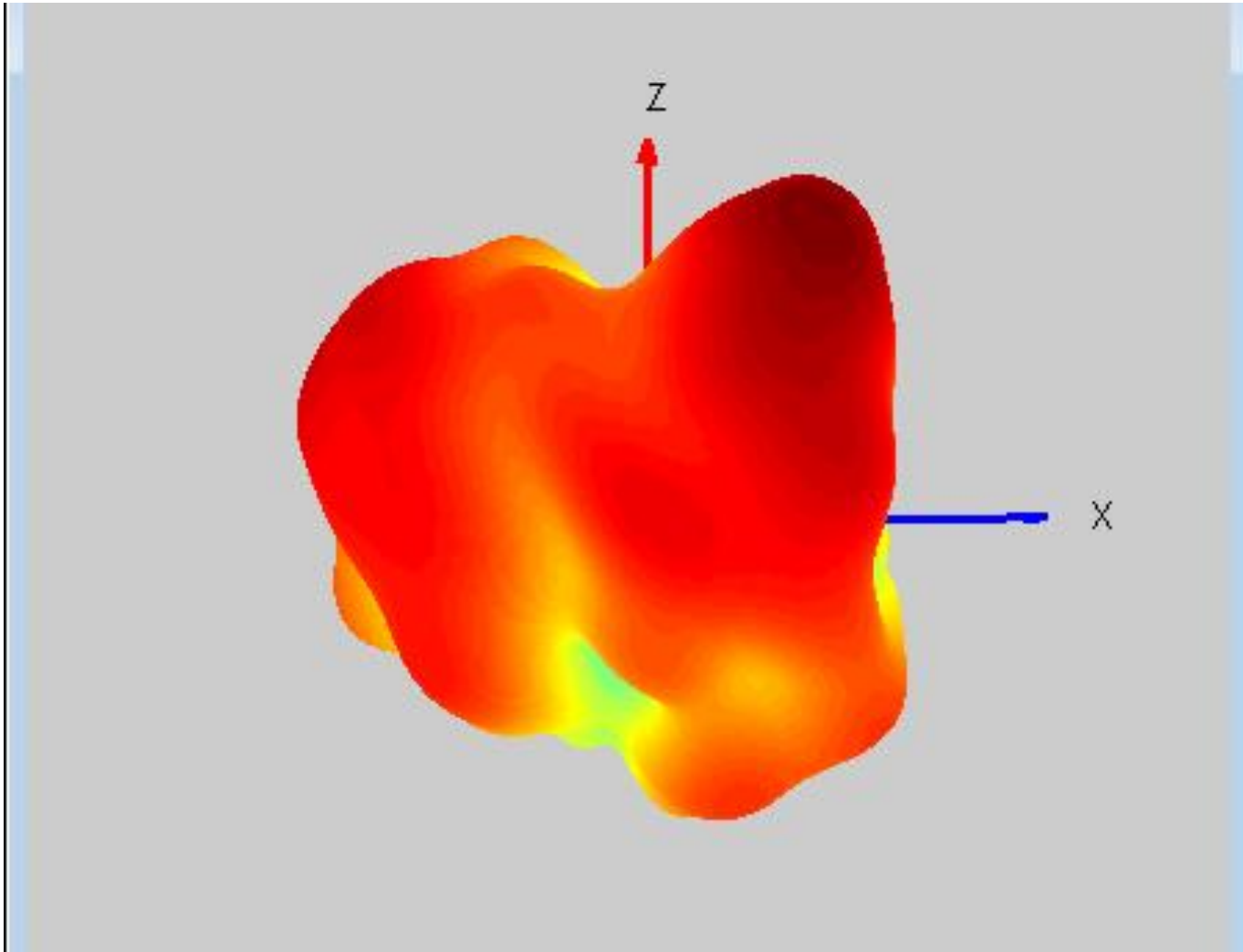
## View2 Antenna2 : 2400MHz



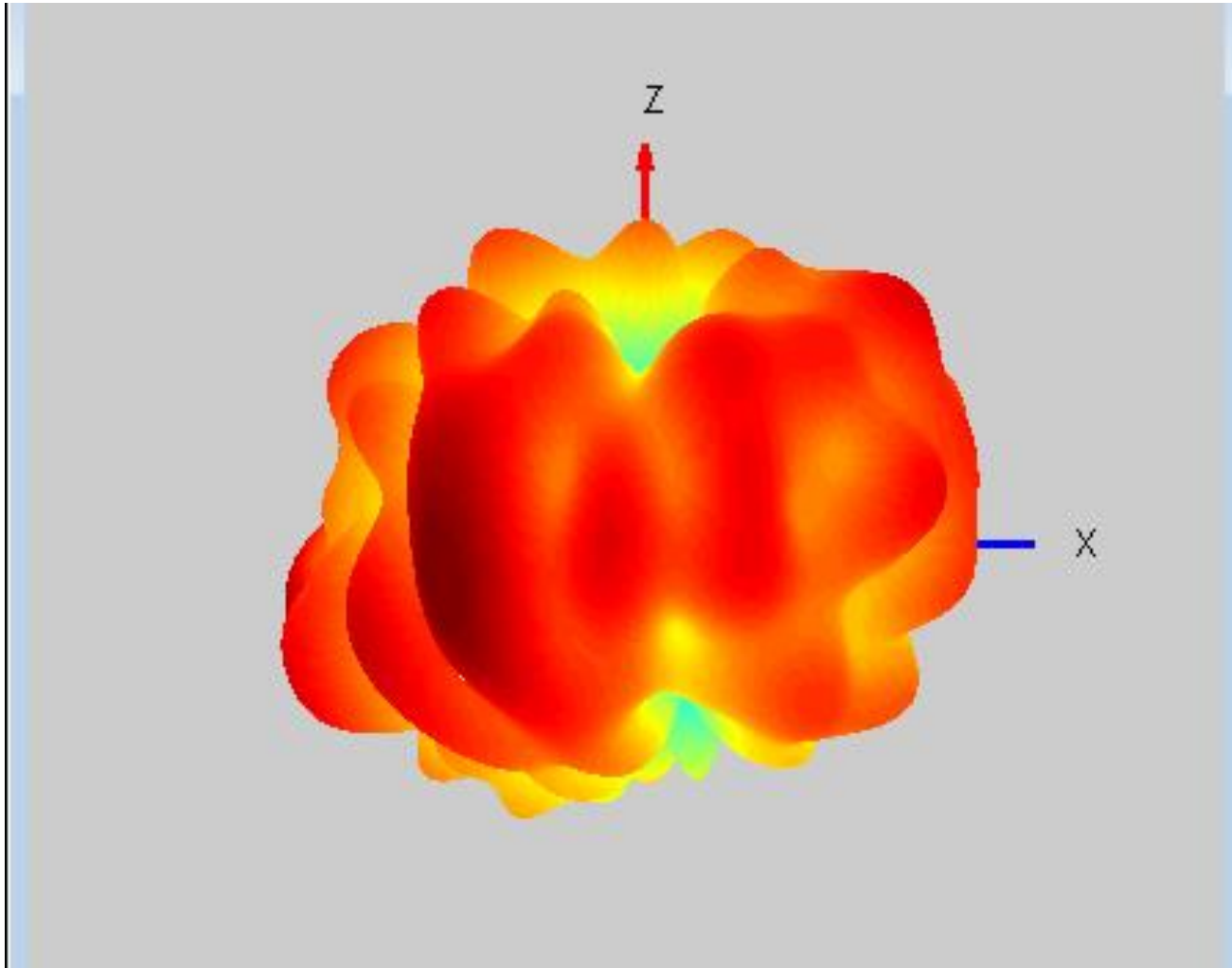
## View2 Antenna2 : 2450MHz



## View2 Antenna2 : 2500MHz

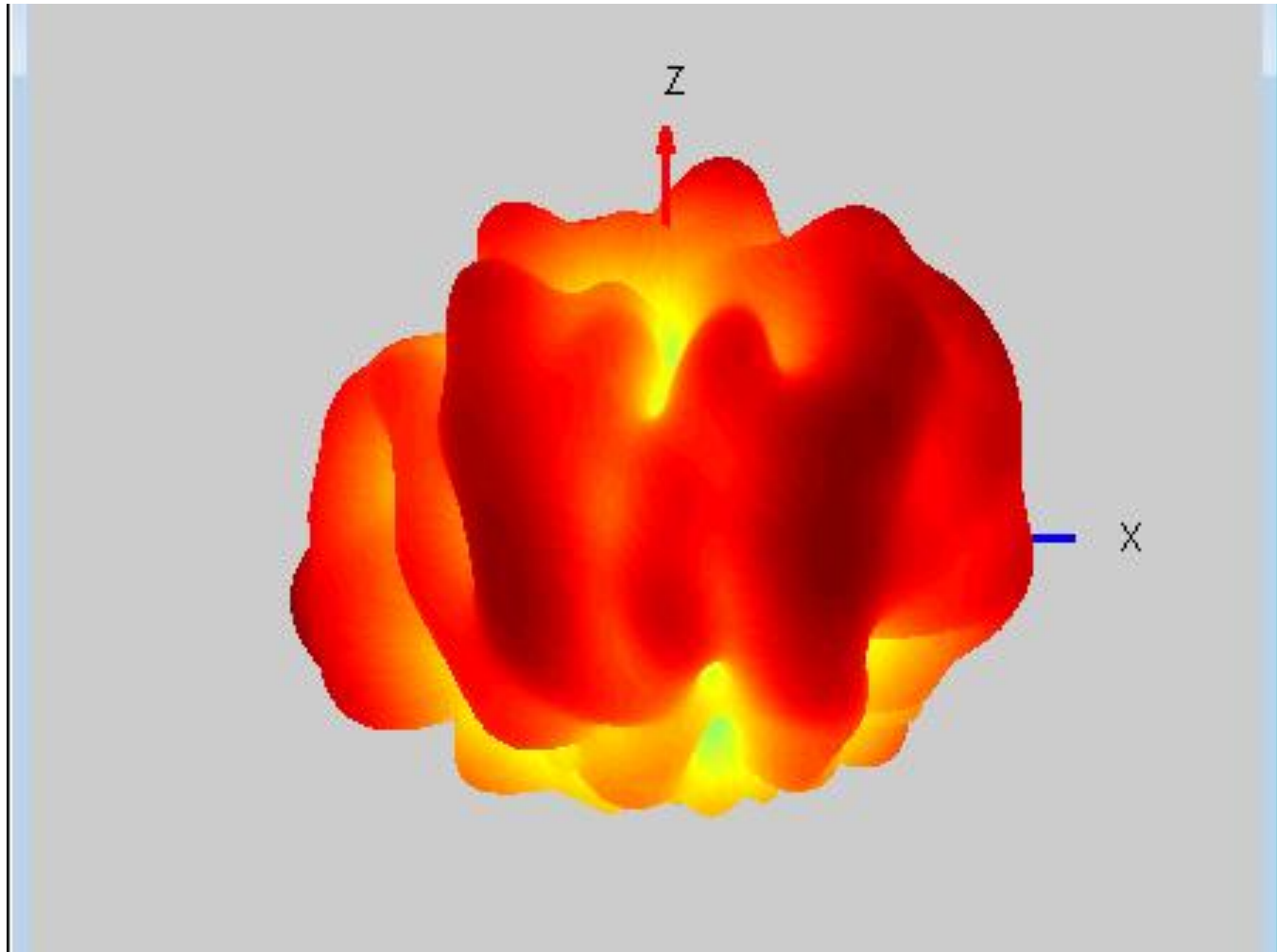


## View2 Antenna2 : 5150MHz



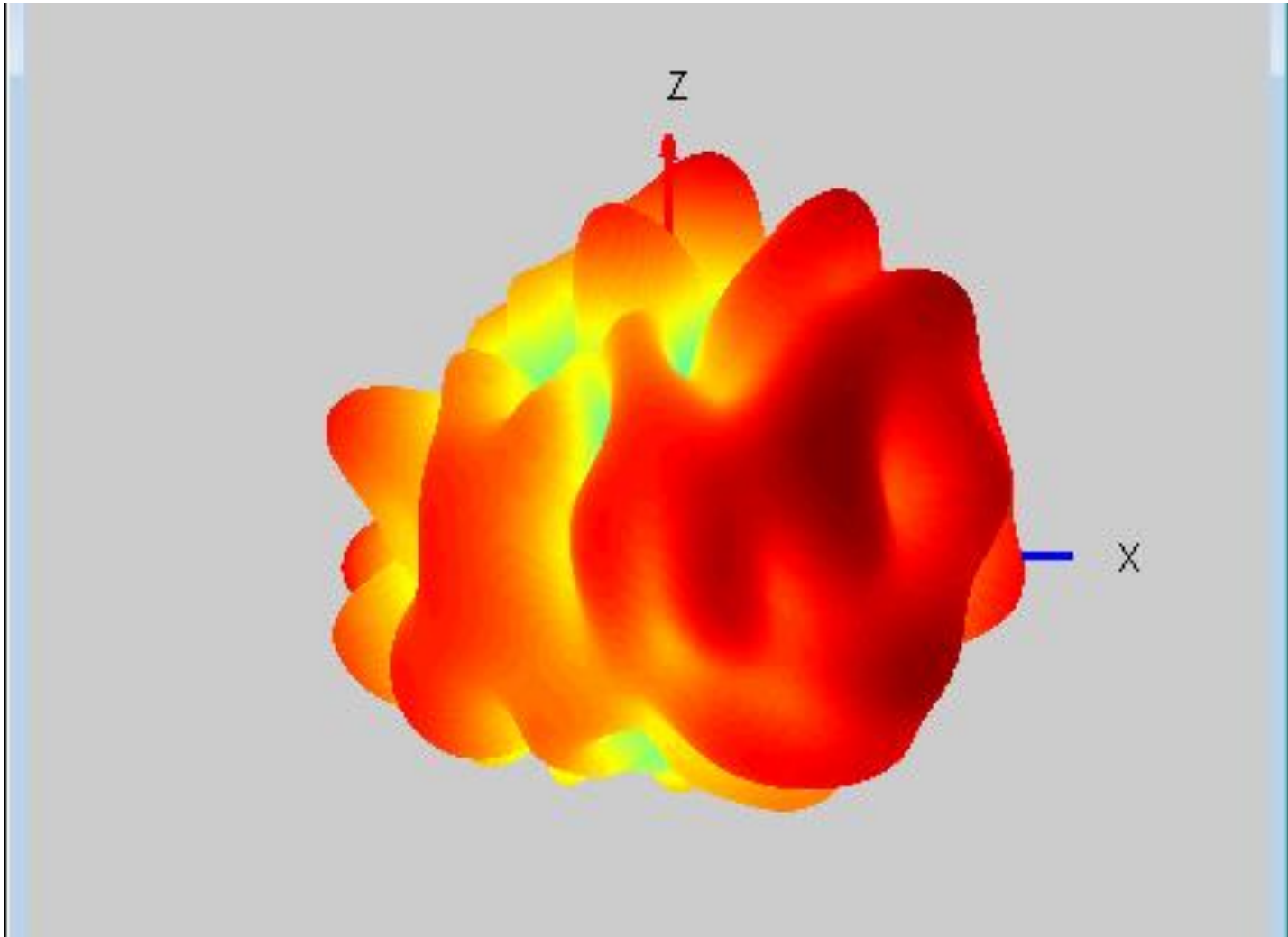


## View2 Antenna2 : 5470MHz

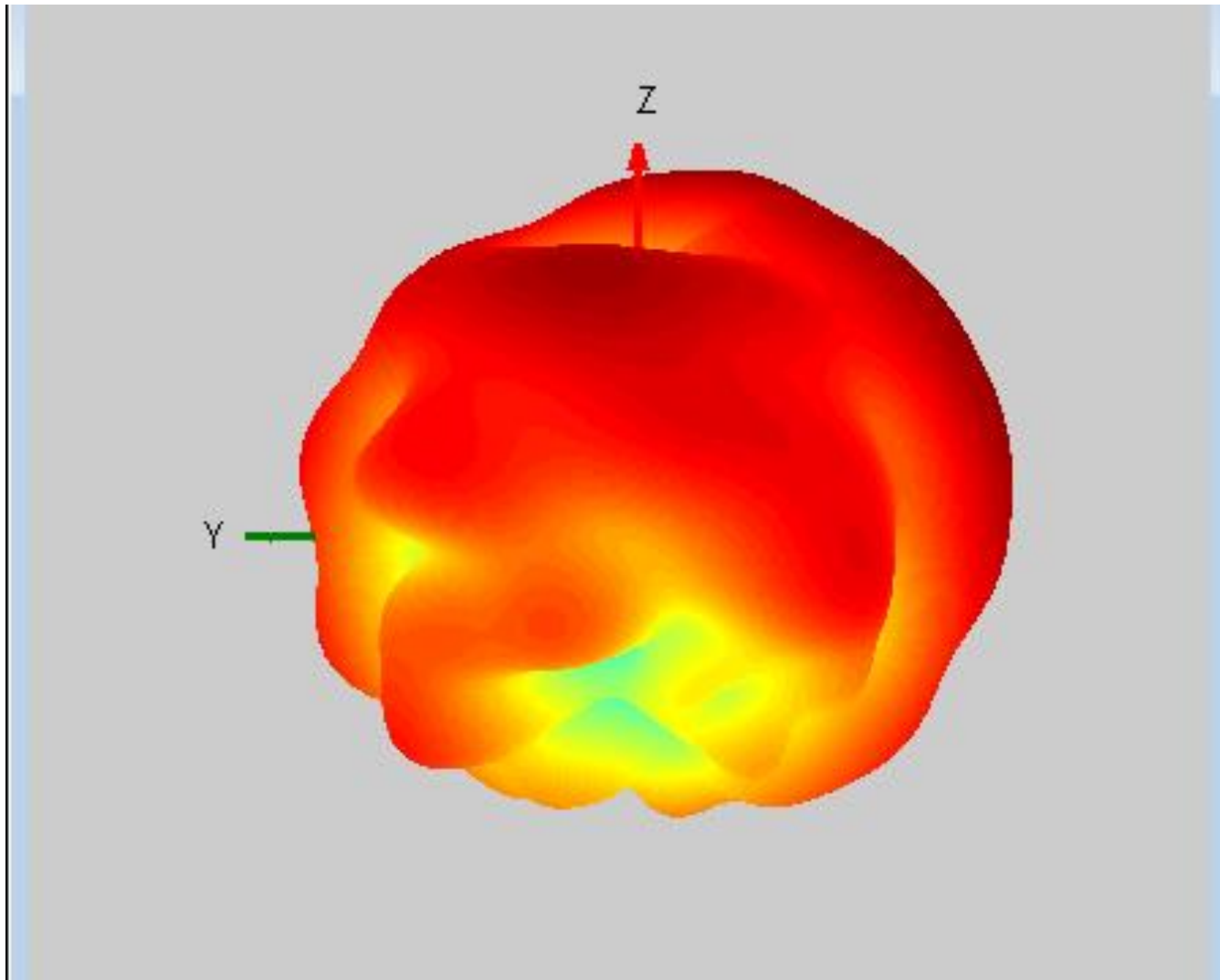


# Measure pattern

View2 Antenna2 : 5850MHz

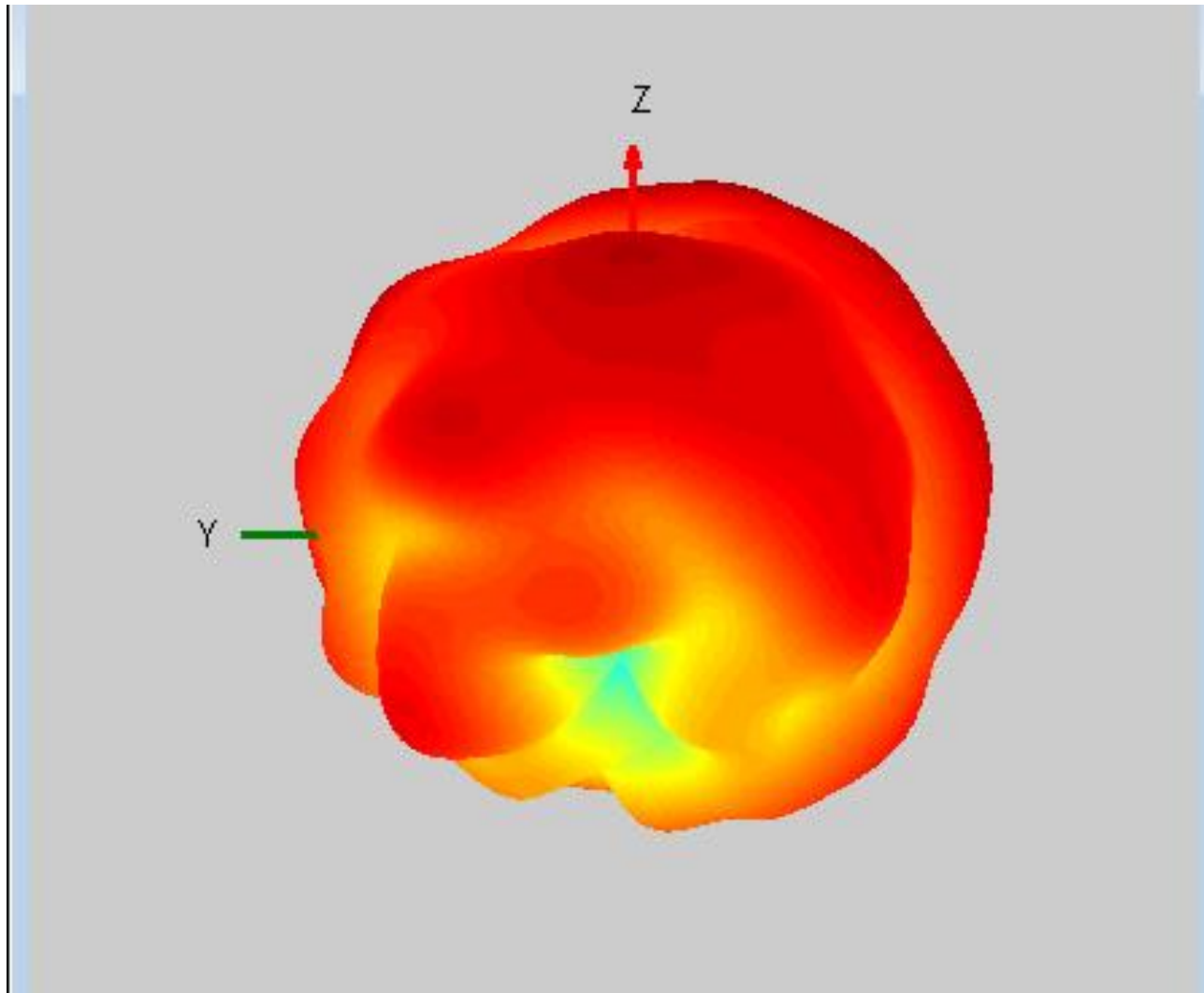


## View3 Antenna2 : 2400MHz

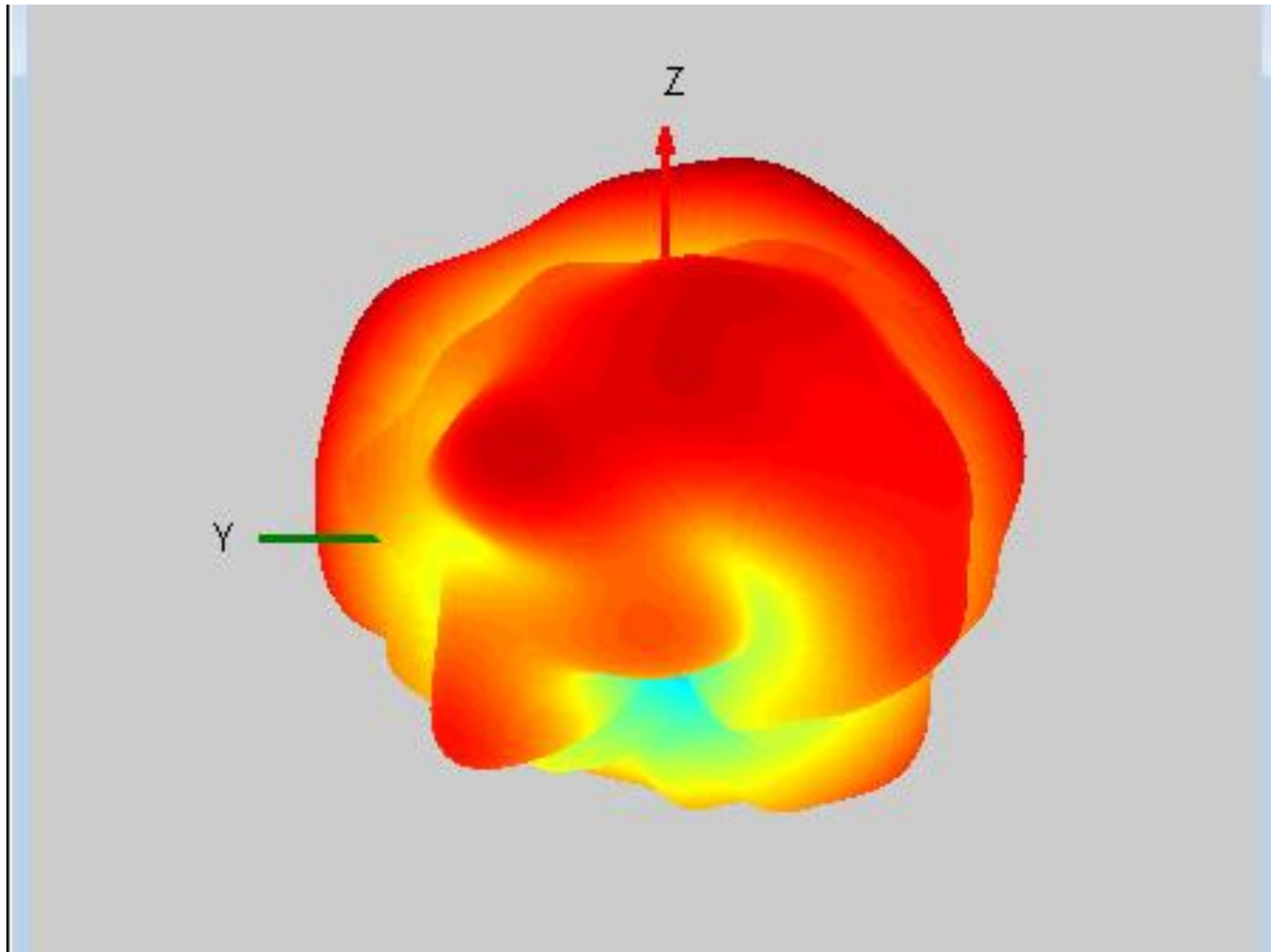


# Measure pattern

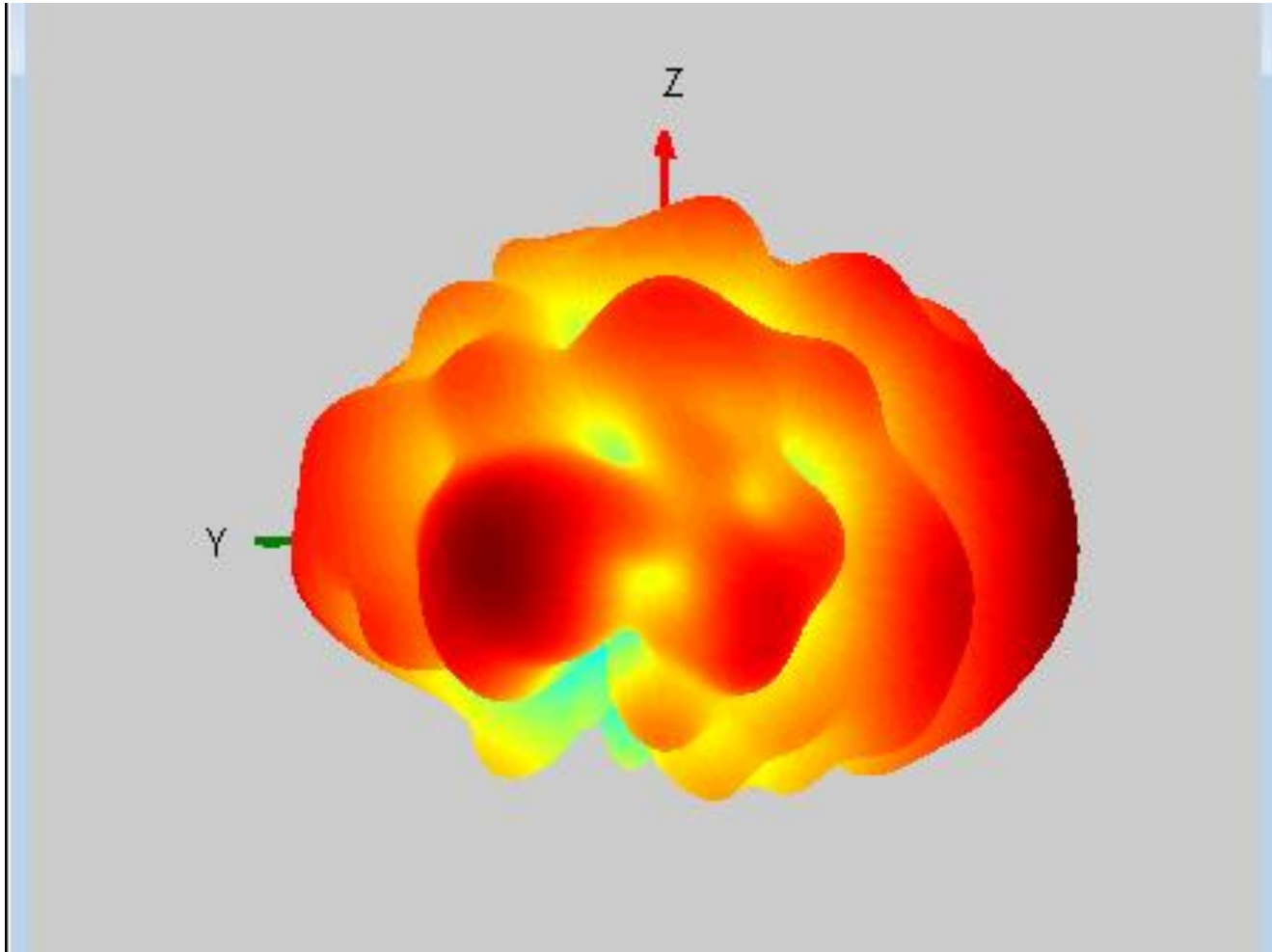
View3 Antenna2 : 2450MHz



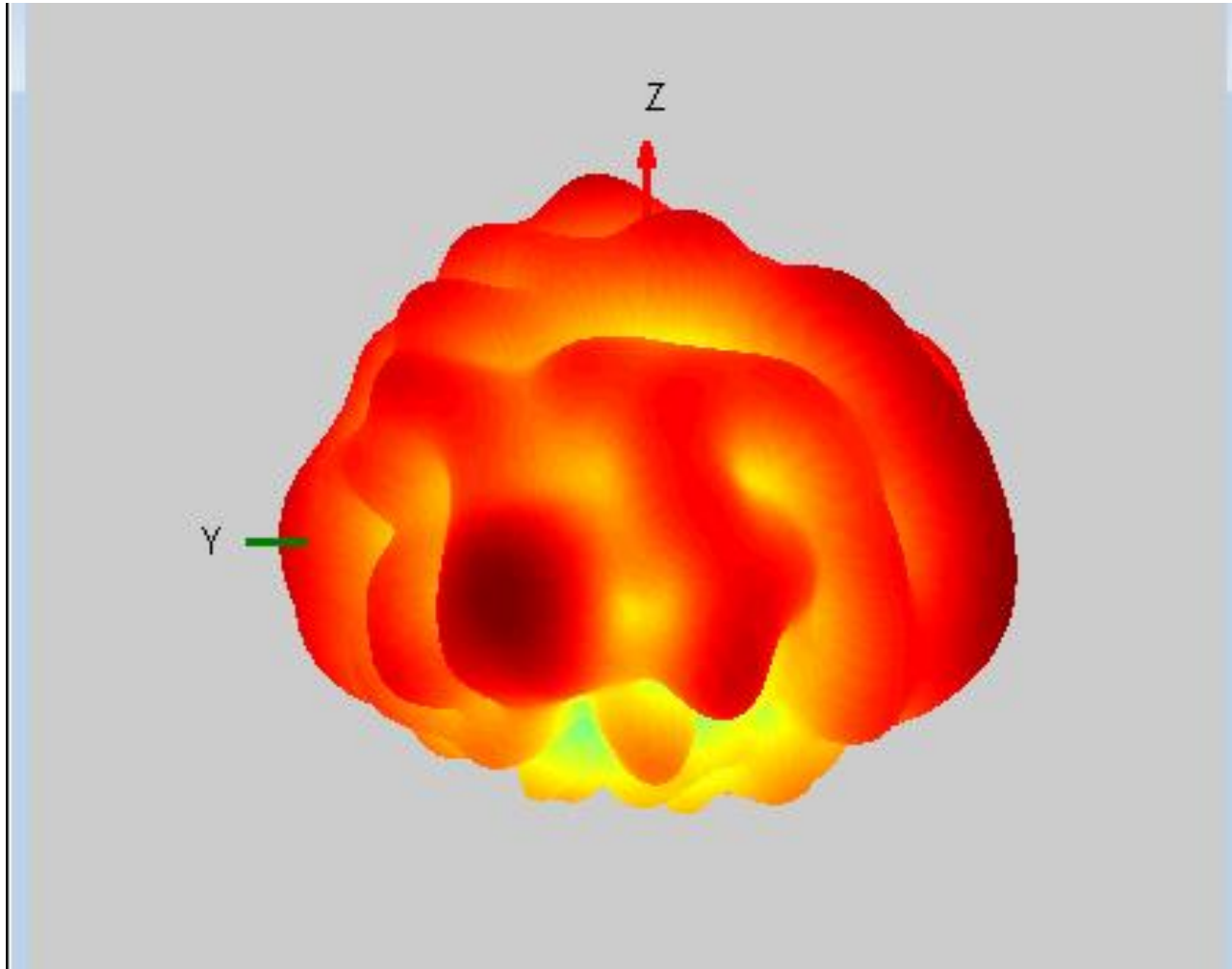
## View3 Antenna2 : 2500MHz



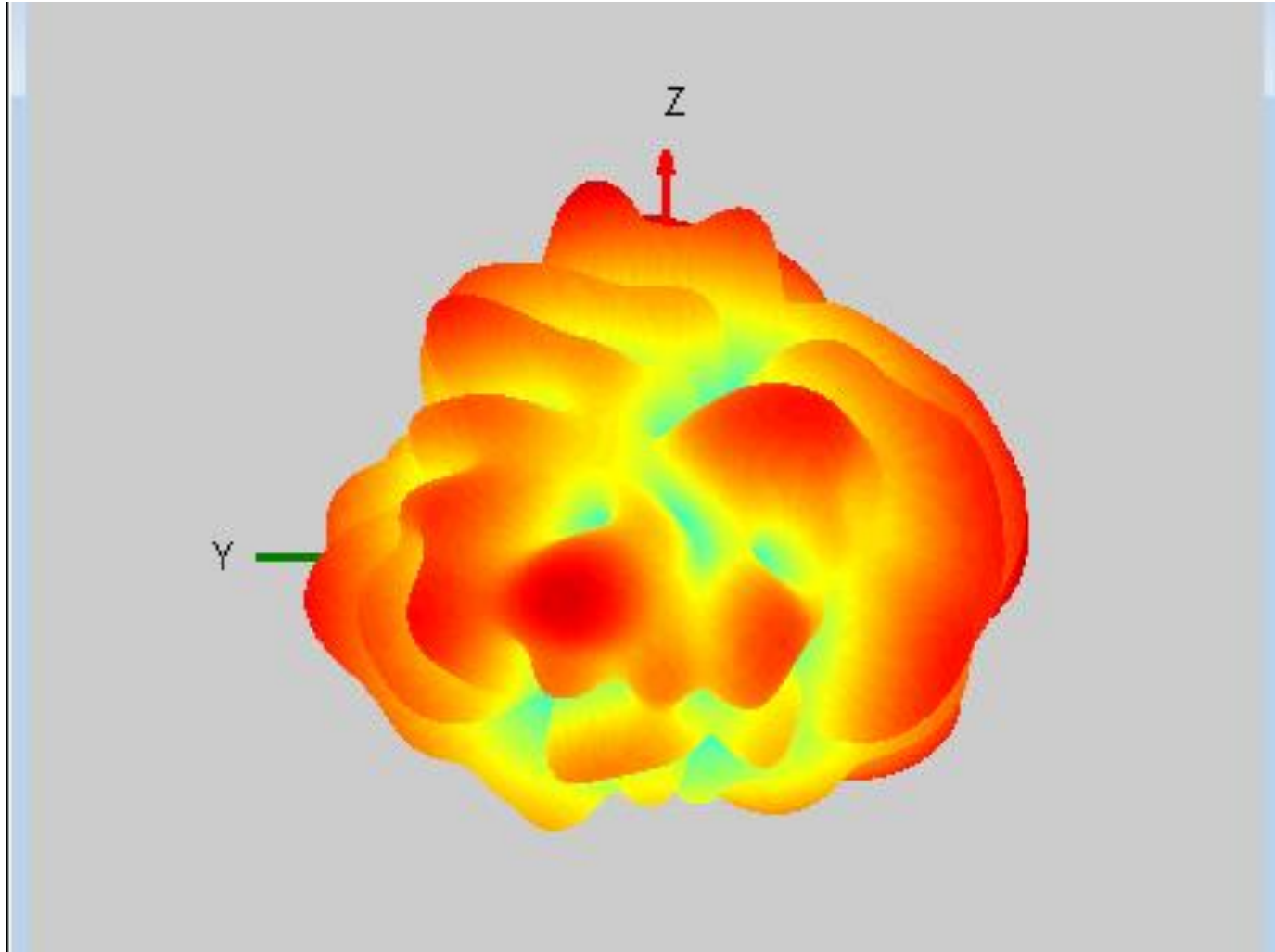
## View3 Antenna2 : 5150MHz



## View3 Antenna2 : 5470MHz



## View3 Antenna2 : 5850MHz





**Thank You!**

