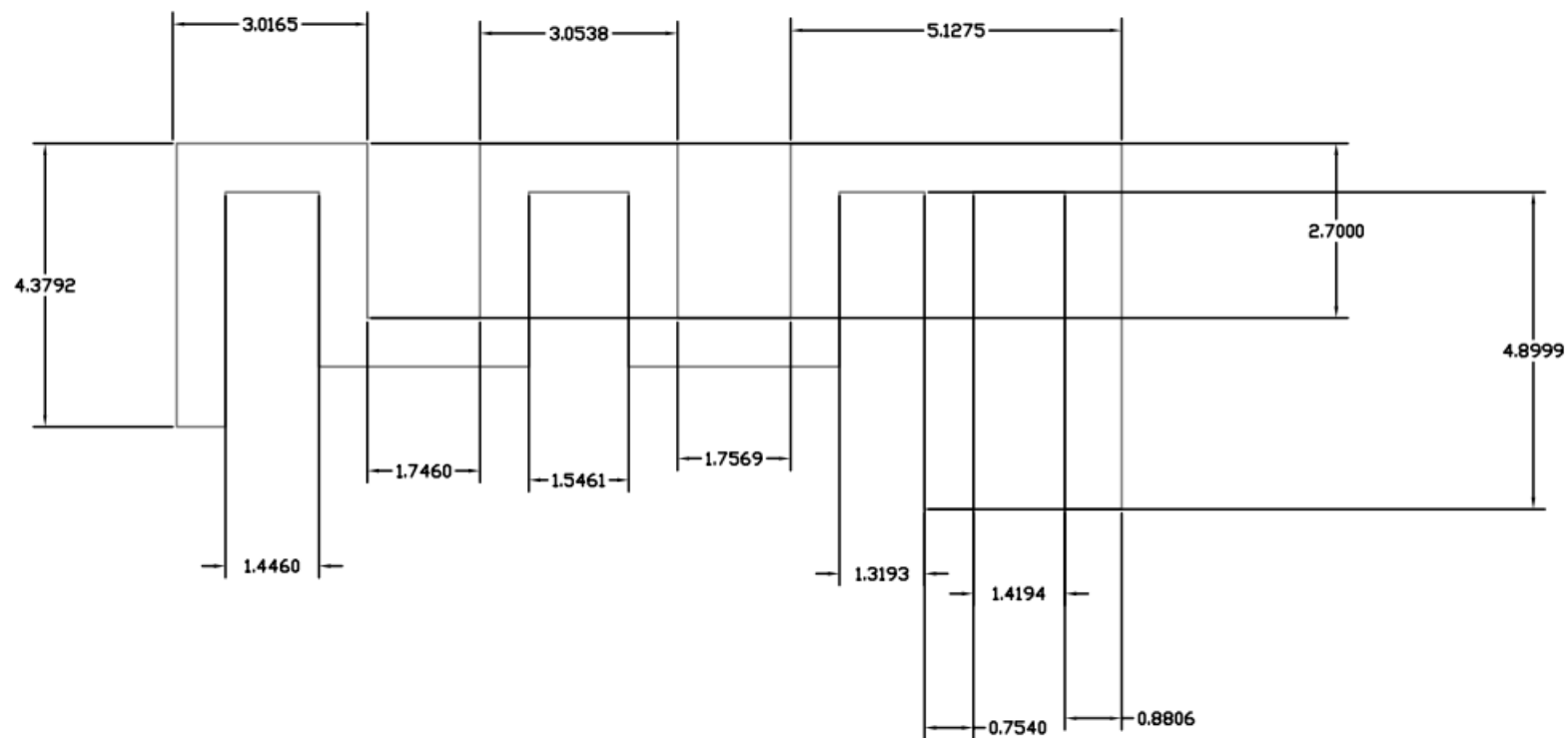


Antenna Specification

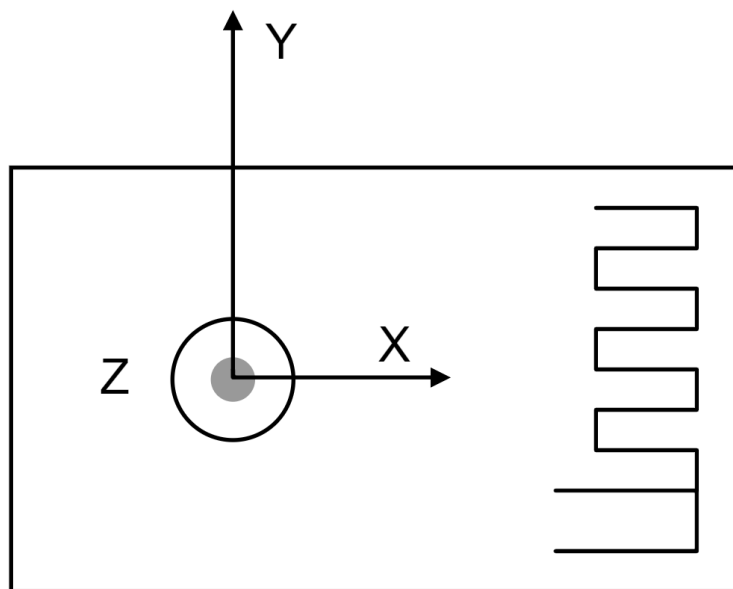
ITEM	SPEC
Antenna type	PCB Antenna (B)
Center Frequency	2400Mhz -1.71dBi
	2450Mhz -0.92dBi
	2500Mhz -0.47dBi
MAX GAIN	-0.47dBi
Polarization	Horizontal
Azimuth Beam Pattern	Omni-directional
Impedance	50ohm
Antenna Length	

Antenna Photo & Length (mm)

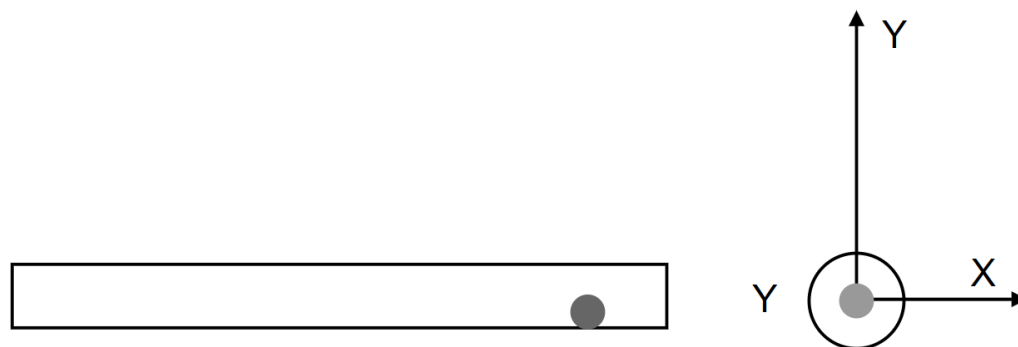


Coordinate System Reference:Antenna

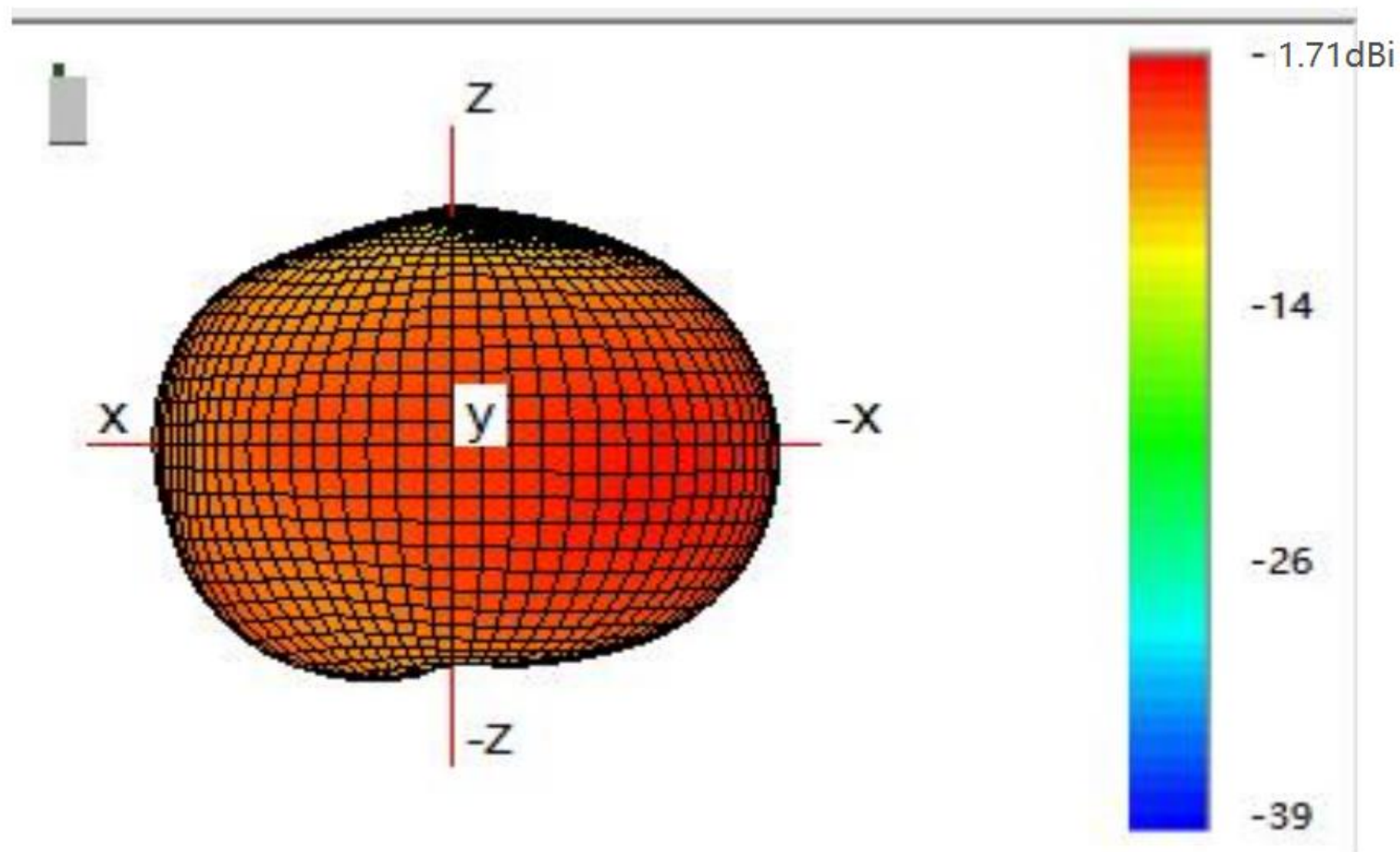
Top view



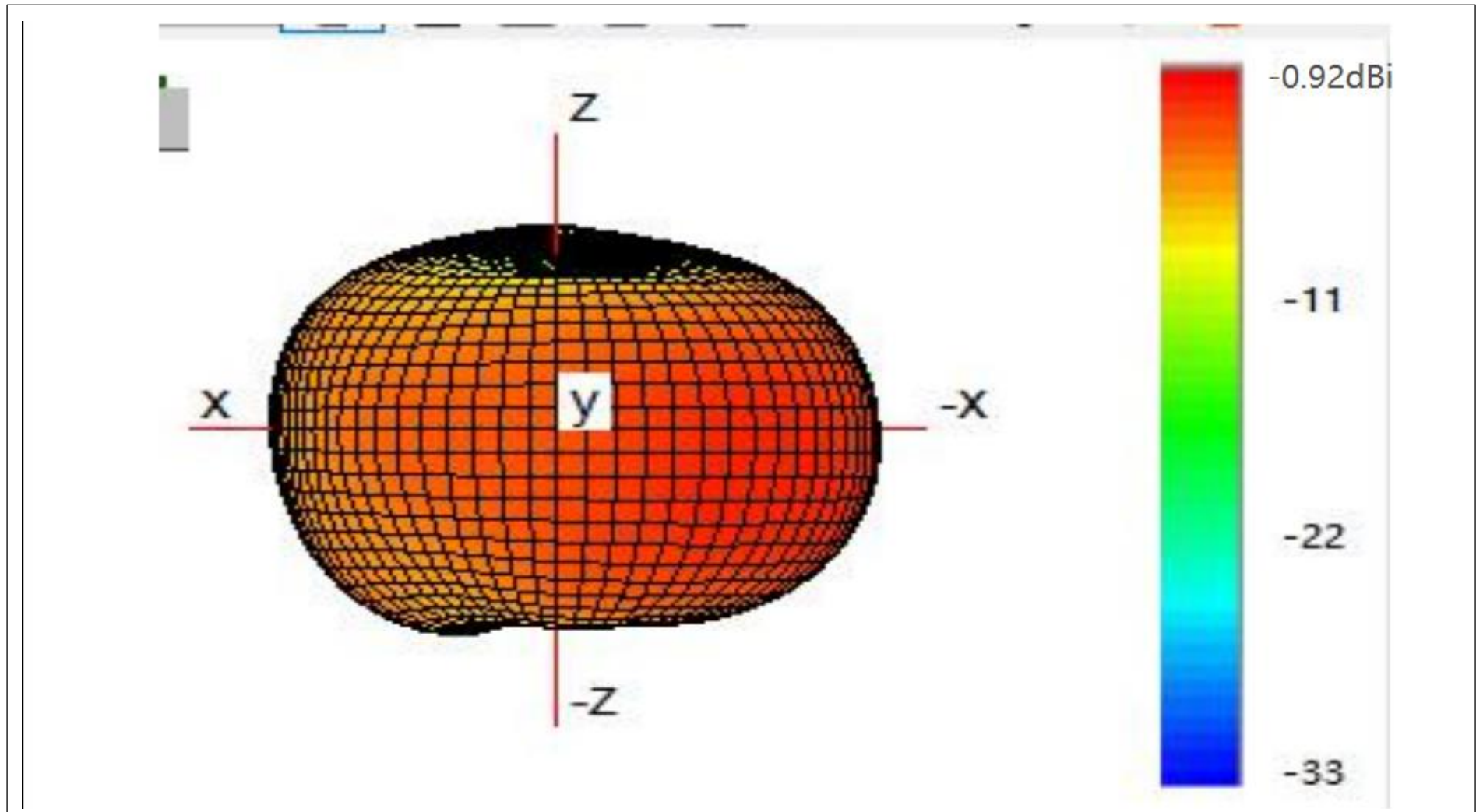
Side view



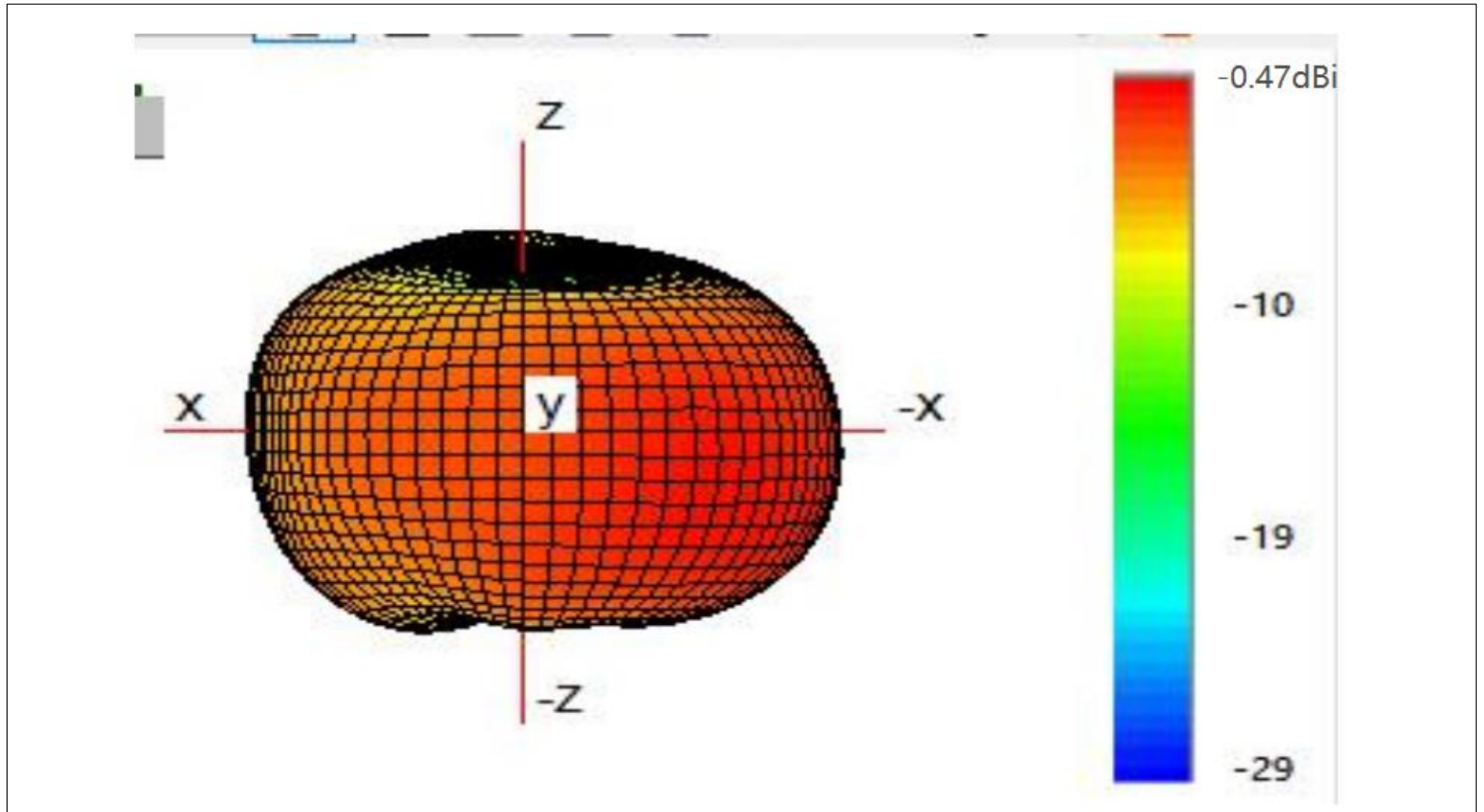
3D Radiation pattern $f = 2400\text{MHz}$



3D Radiation pattern $f = 2450\text{MHz}$



3D Radiation pattern $f = 2500\text{MHz}$



Measurements summary

Frequency (GHz)	Gain (dBi)	CP Gain (dBi)	CO Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	-1.71	--	--	--	34. 23%
2410	-1.46	--	--	--	36. 08%
2420	-1.27	--	--	--	38. 10%
2430	-1.17	--	--	--	40. 00%
2440	-1.06	--	--	--	42. 05%
2450	-0.92	--	--	--	43. 95%
2460	-0.79	--	--	--	45. 37%
2470	-0.72	--	--	--	46. 69%
2480	-0.47	--	--	--	49. 59%
2490	-0.51	--	--	--	49. 35%
2500	-0.47	--	--	--	50. 07%