WORLD PRODUCTS INC.

19654 Eighth Street East
P.O. Box 517
Sonoma, CA 95476
(707) 996.5201
www.worldproducts.com
sales@worldproducts.com

WPANT30093-R1A

Wi-Fi Dual-band Directional Panel Antenna



Description / Application

This is a 2.4 GHz and 5 GHz Wi-Fi / WLAN Directional Panel antenna. It comes with Type-N female connectors and mounting brackets for installation. The antenna is at DC ground to ensure protection against lightning.

We can assist your engineers to optimize mounting positions for these antennas in your applications and can further customize the antennas for your specific needs. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	2.4 – 2.5 GHz	4.9 – 5.9 GHz
Approximate Antenna Impedance [Ω]	50Ω	50Ω
VSWR – Typical	< 2:1	< 2:1
Peak Gain [dBi] (Typical)	10 dBi	13 dBi
Polarization	Vertical or Horizontal	Vertical or Horizontal
Pattern	Directional	Directional
Accepted Power [W] (Max)	100 Watts	
Lightning Protection	DC ground	

Mechanical / Environmental Properties

Antenna Dimensions	8.94'' X 8.94'' X 1.38'' (227mm X 227mm X 35mm)
Antenna Color	Grey
Connector	Type-N Female
Antenna Radome	Polycarbonate
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

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Pictures of the Antenna



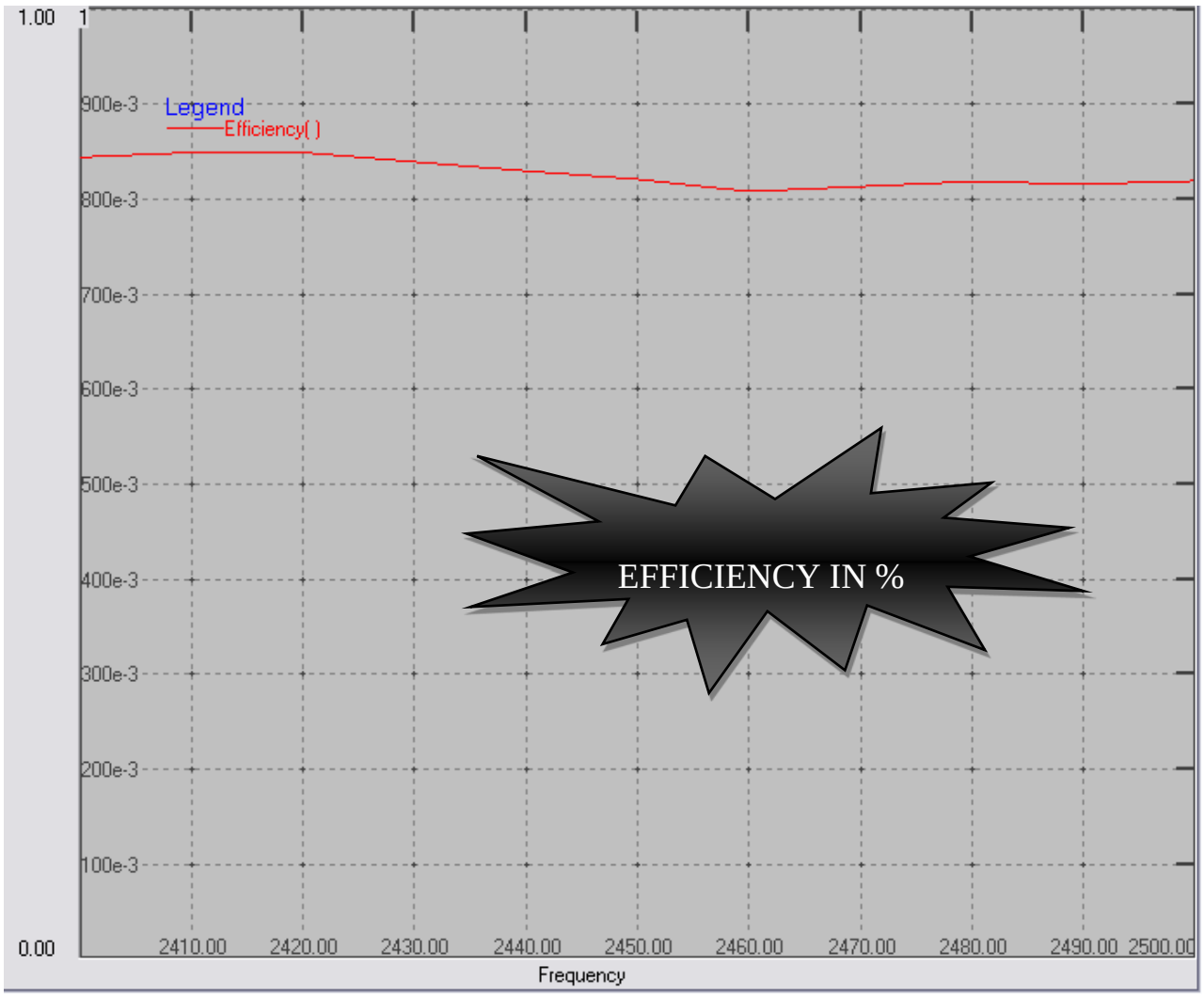
FRONT SIDE



BACK SIDE

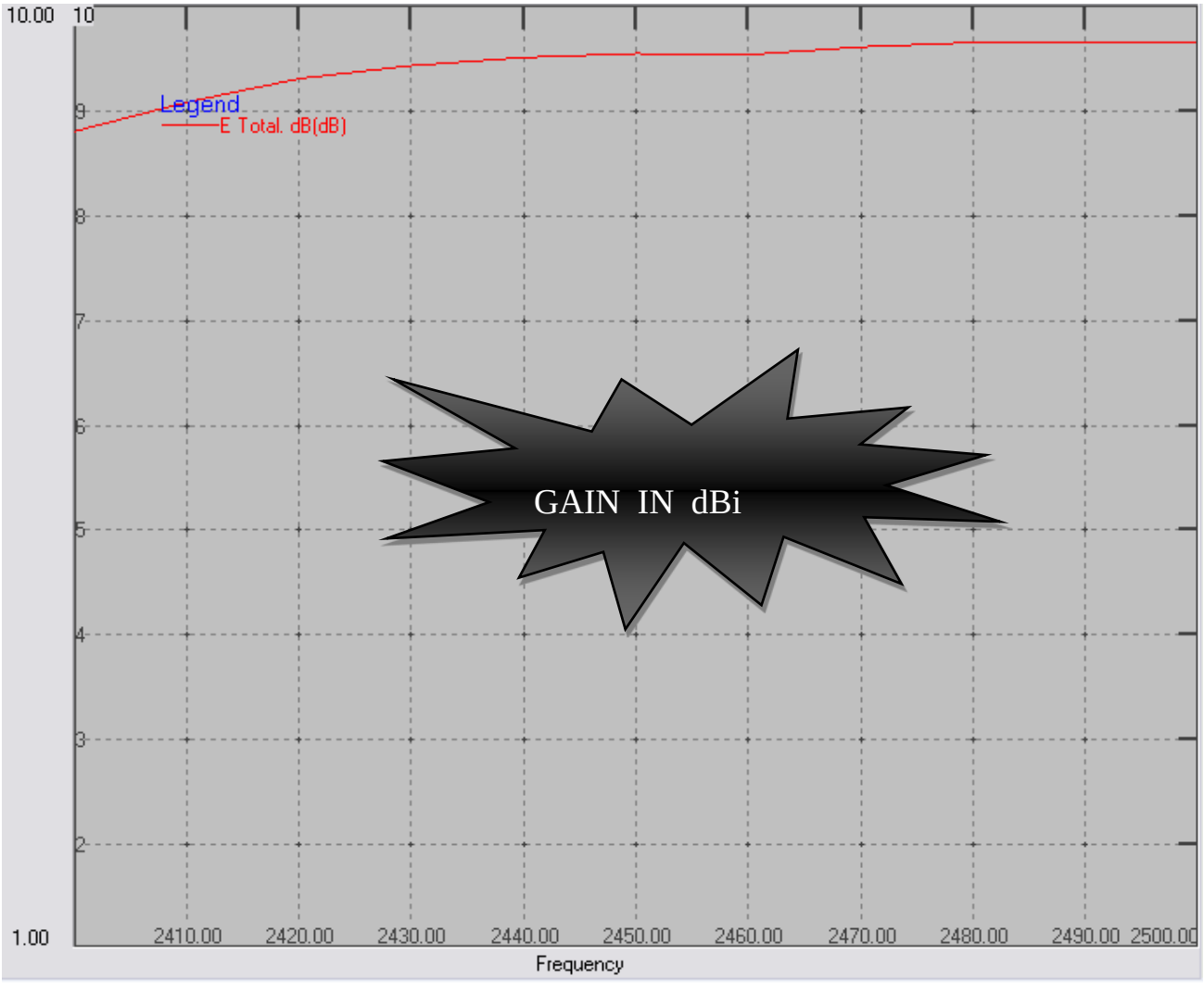
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Efficiency of the Antenna at 2.4 – 2.5 GHz



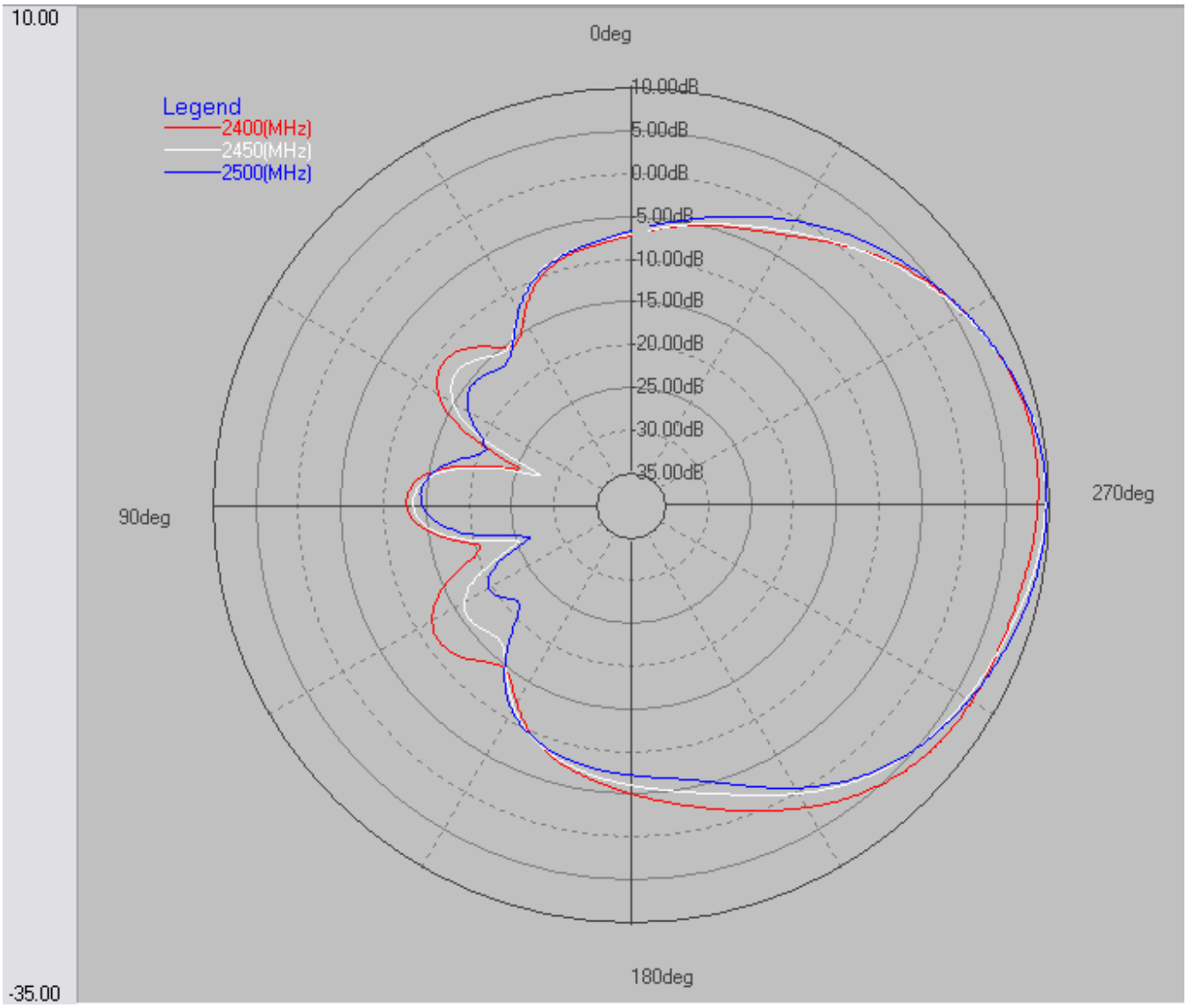
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Peak Gain of the Antenna at 2.4 – 2.5 GHz



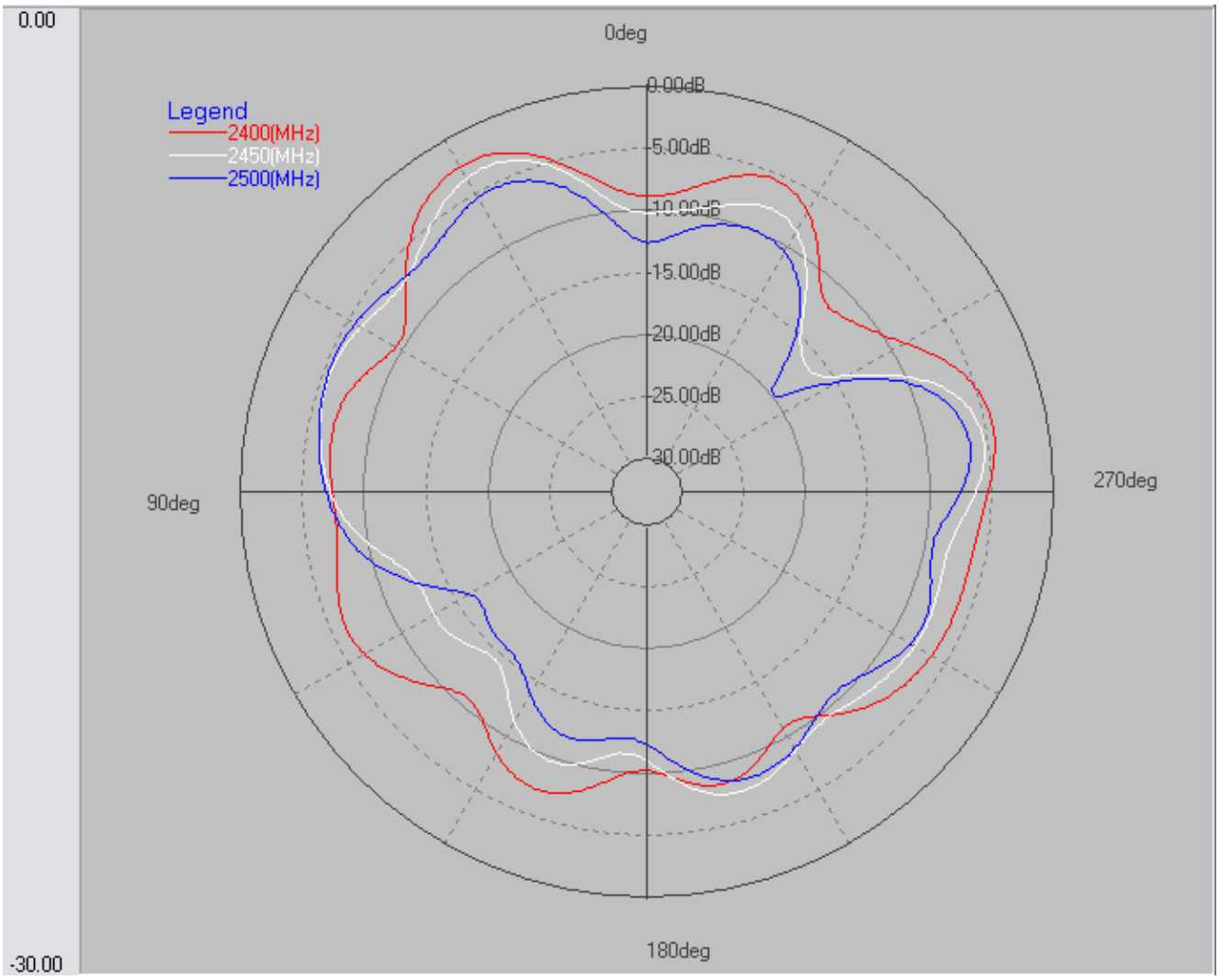
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2D Radiation Pattern of the Antenna at 2.4 – 2.5 GHz (Azimuth)



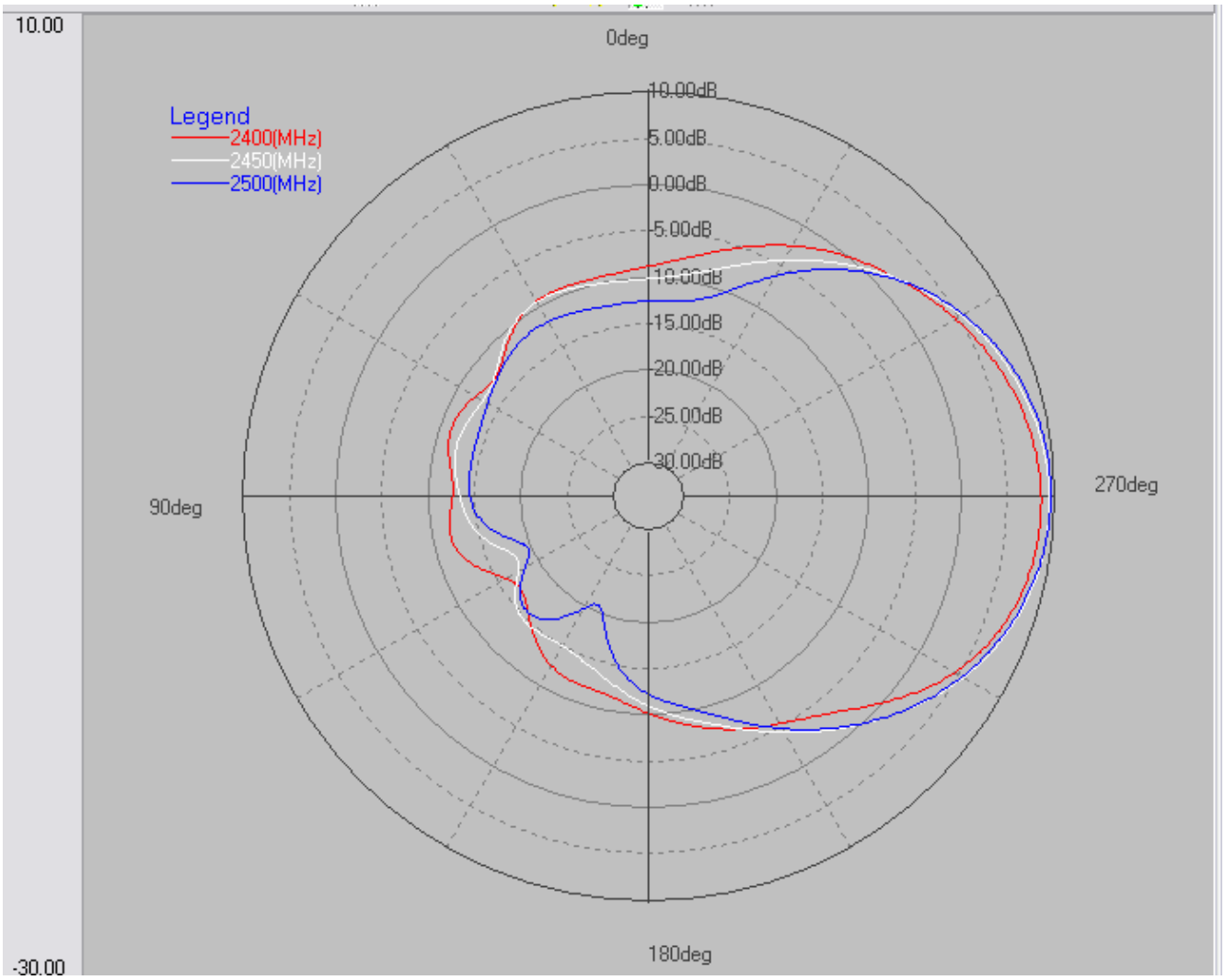
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2D Radiation Pattern of the Antenna at 2.4 – 2.5 GHz (Elevation # 1)



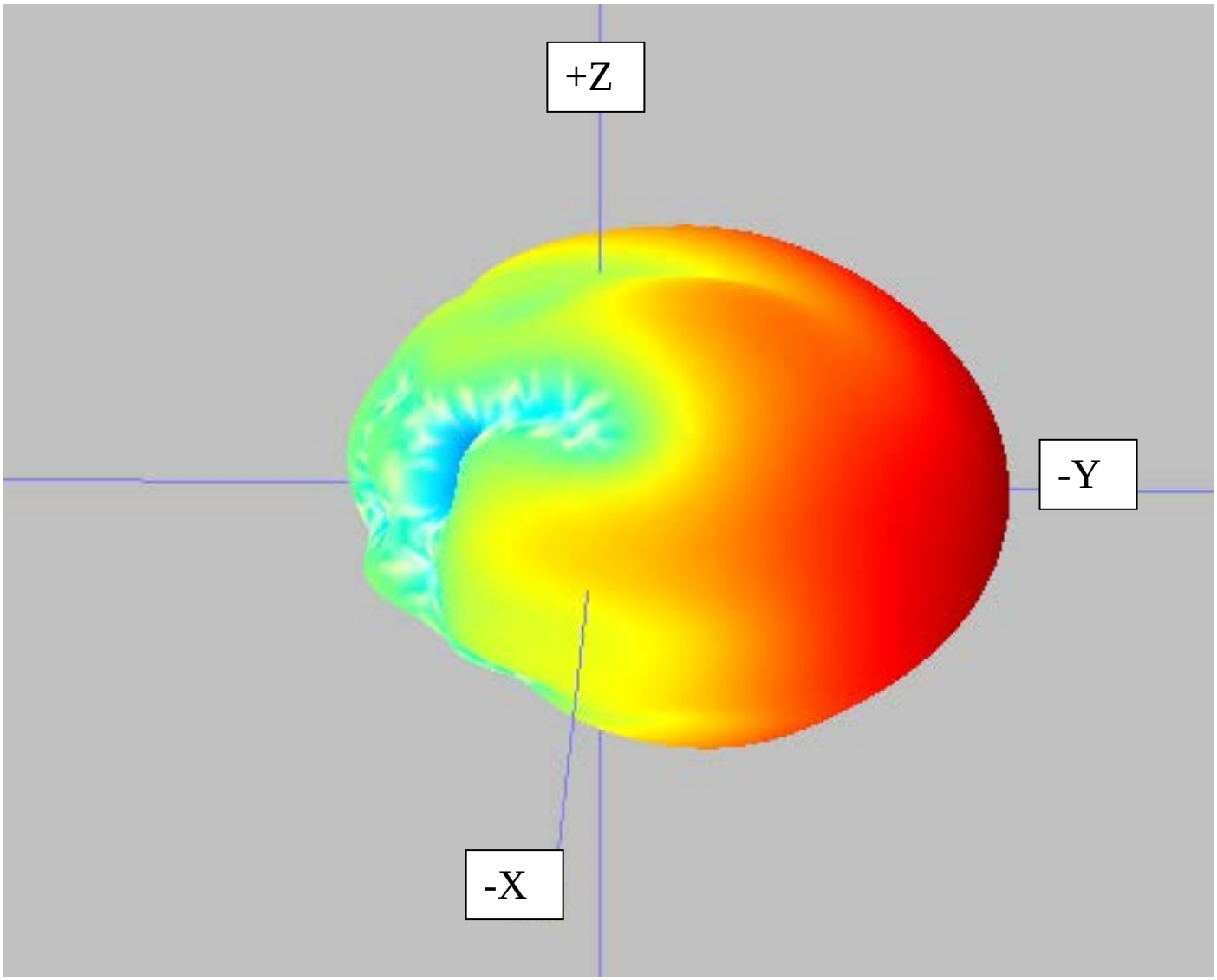
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2D Radiation Pattern of the Antenna at 2.4 – 2.5 GHz (Elevation # 2)



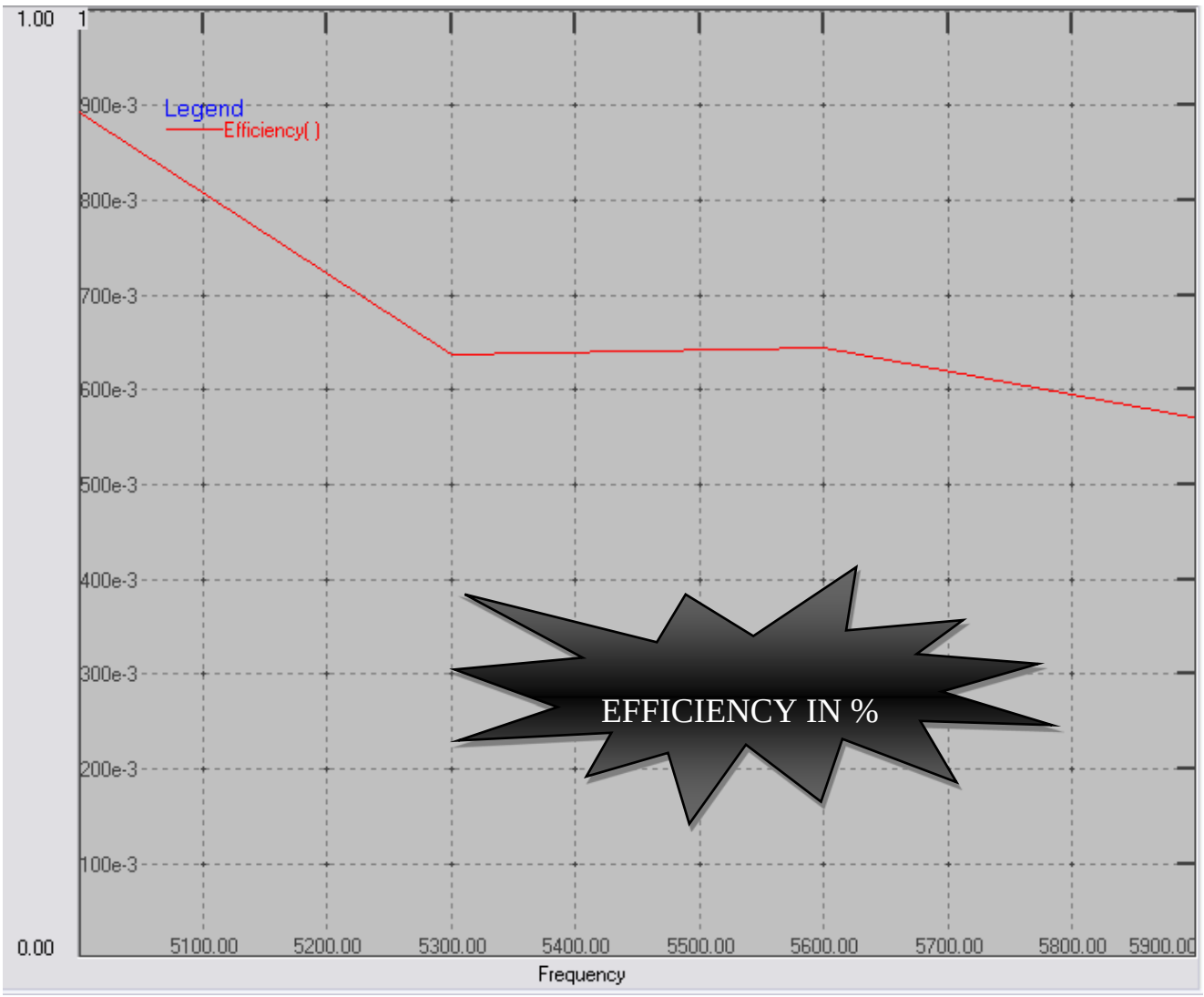
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3D Radiation Pattern of the Antenna at 2.4 – 2.5 GHz



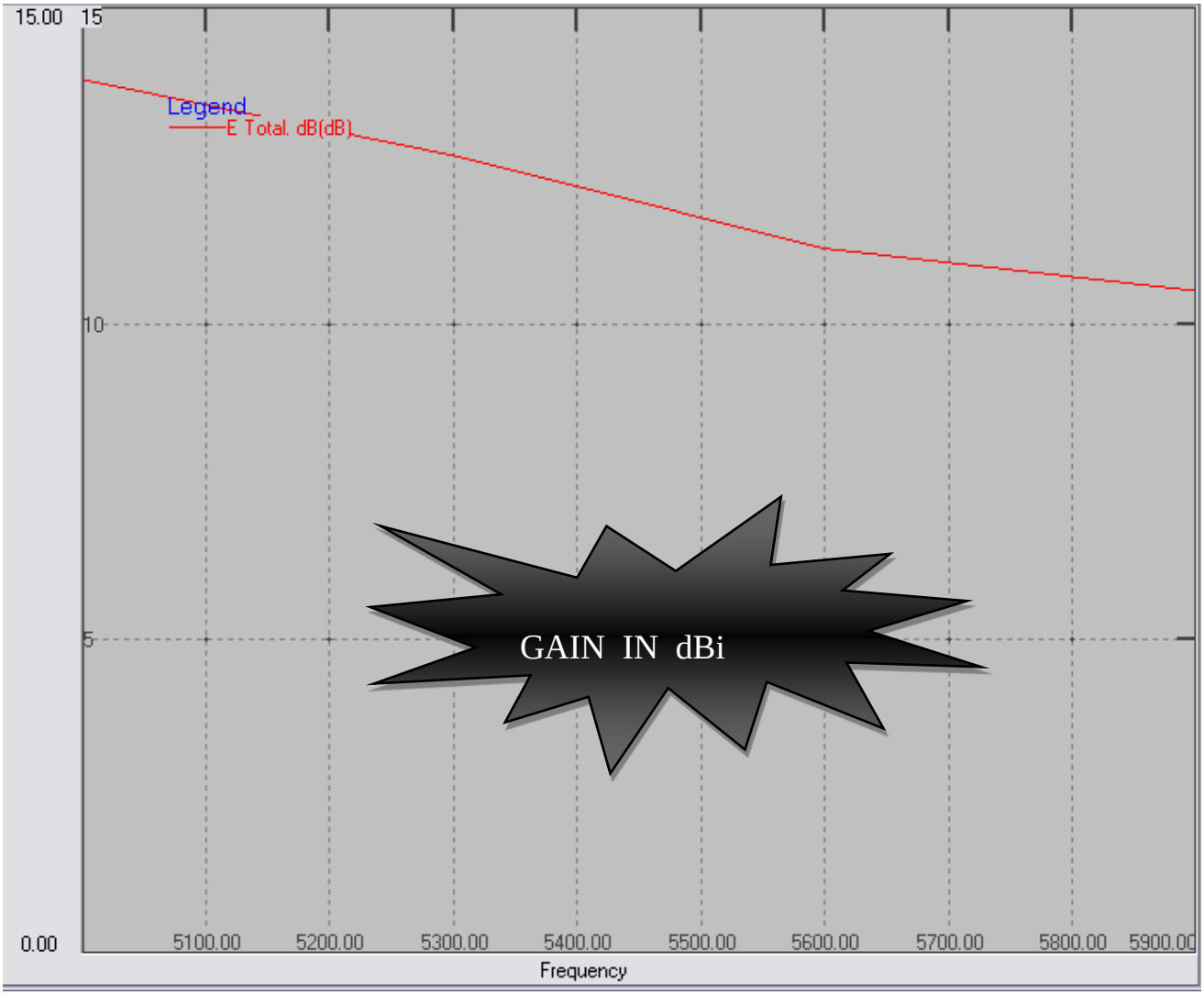
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Efficiency of the Antenna at 5.0 – 5.9 GHz



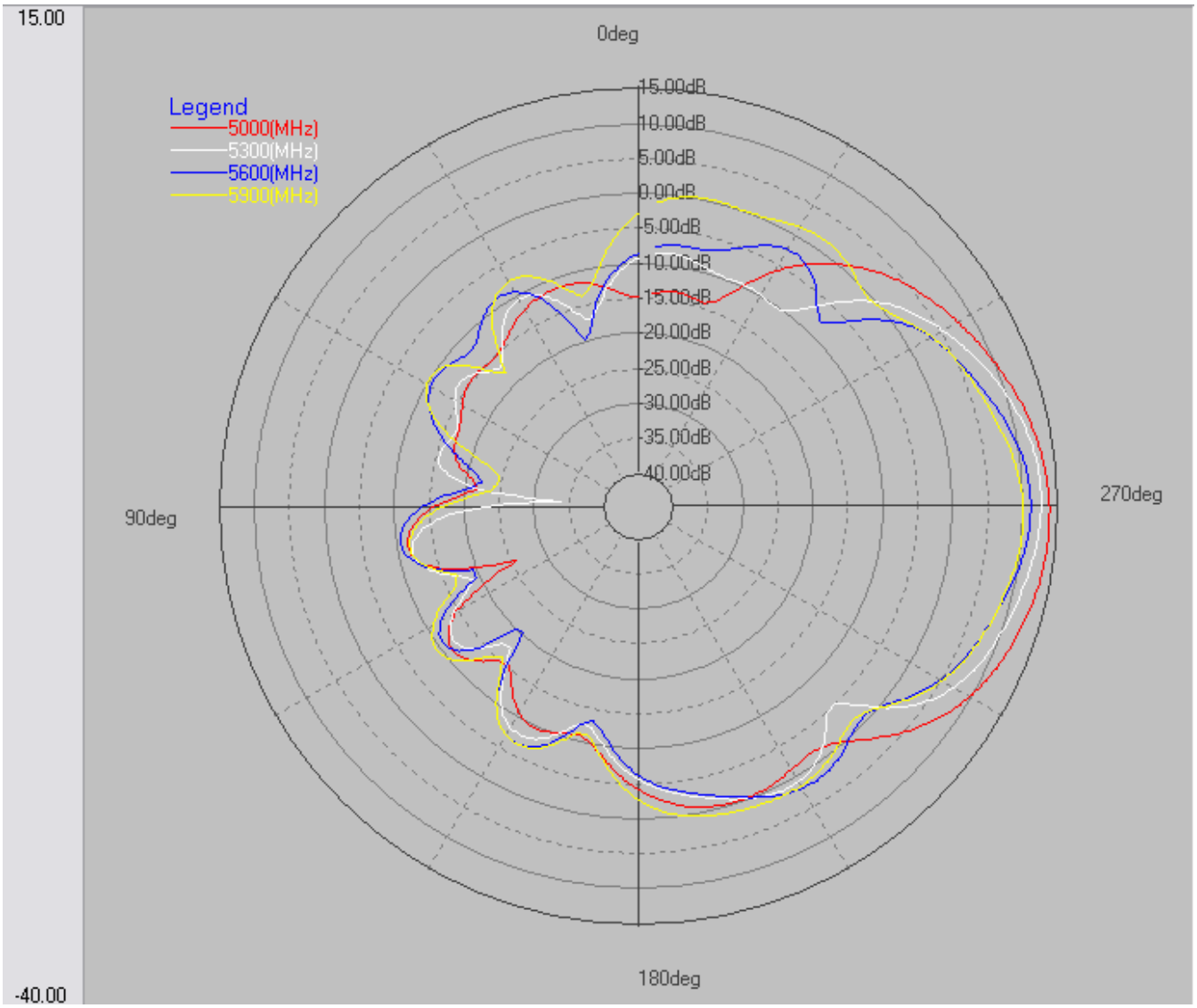
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Peak Gain of the Antenna at 5.0 – 5.9 GHz



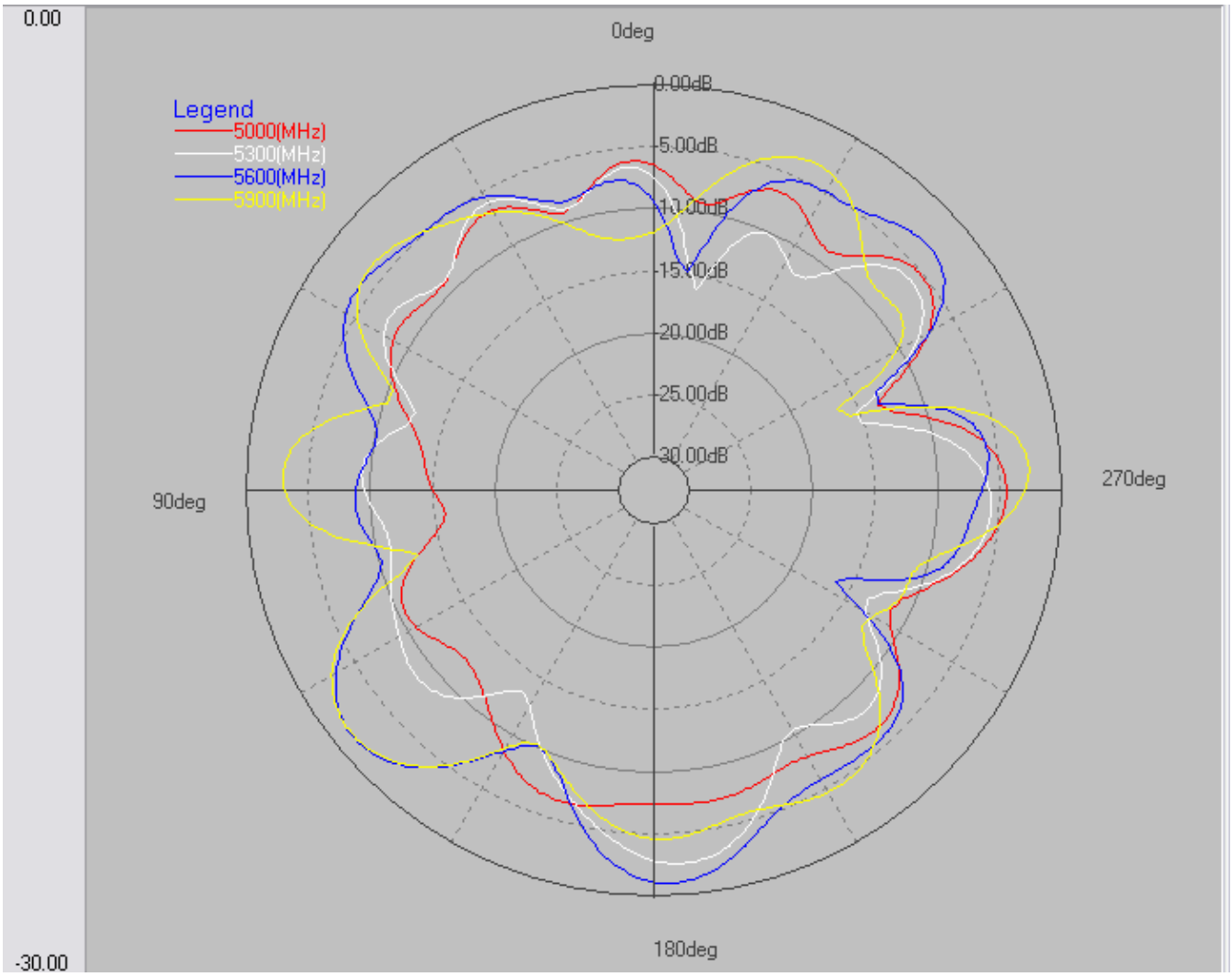
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2D Radiation Pattern of the Antenna at 5.0 – 5.9 GHz (Azimuth)



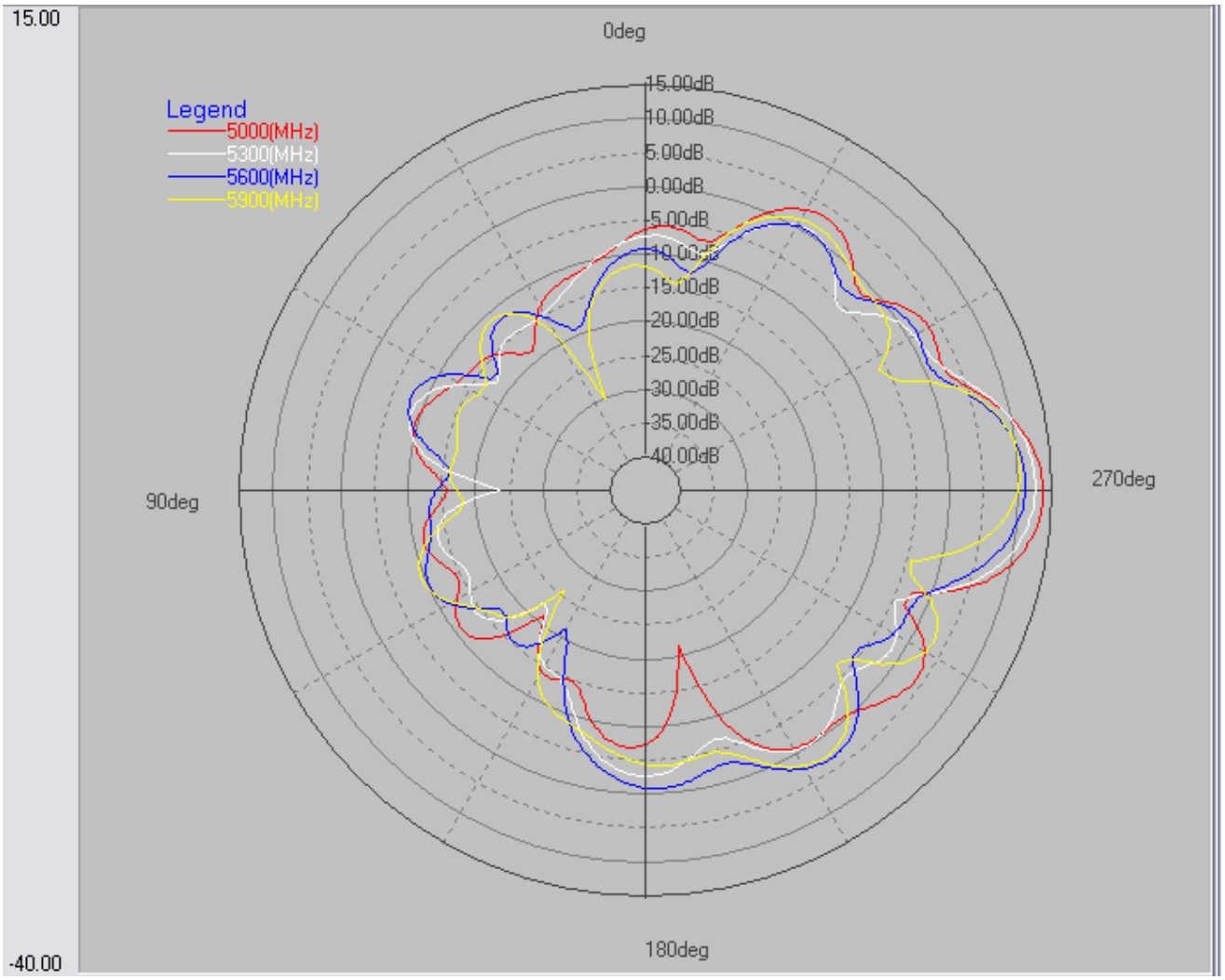
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2D Radiation Pattern of the Antenna at 5.0 – 5.9 GHz (Elevation # 1)



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2D Radiation Pattern of the Antenna at 5.0 – 5.9 GHz (Elevation # 2)



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3D Radiation Pattern of the Antenna at 5.0 – 5.9 GHz

