

RADIATION PATTERNS OF THE SAF2040-B

TECHNICAL NOTE

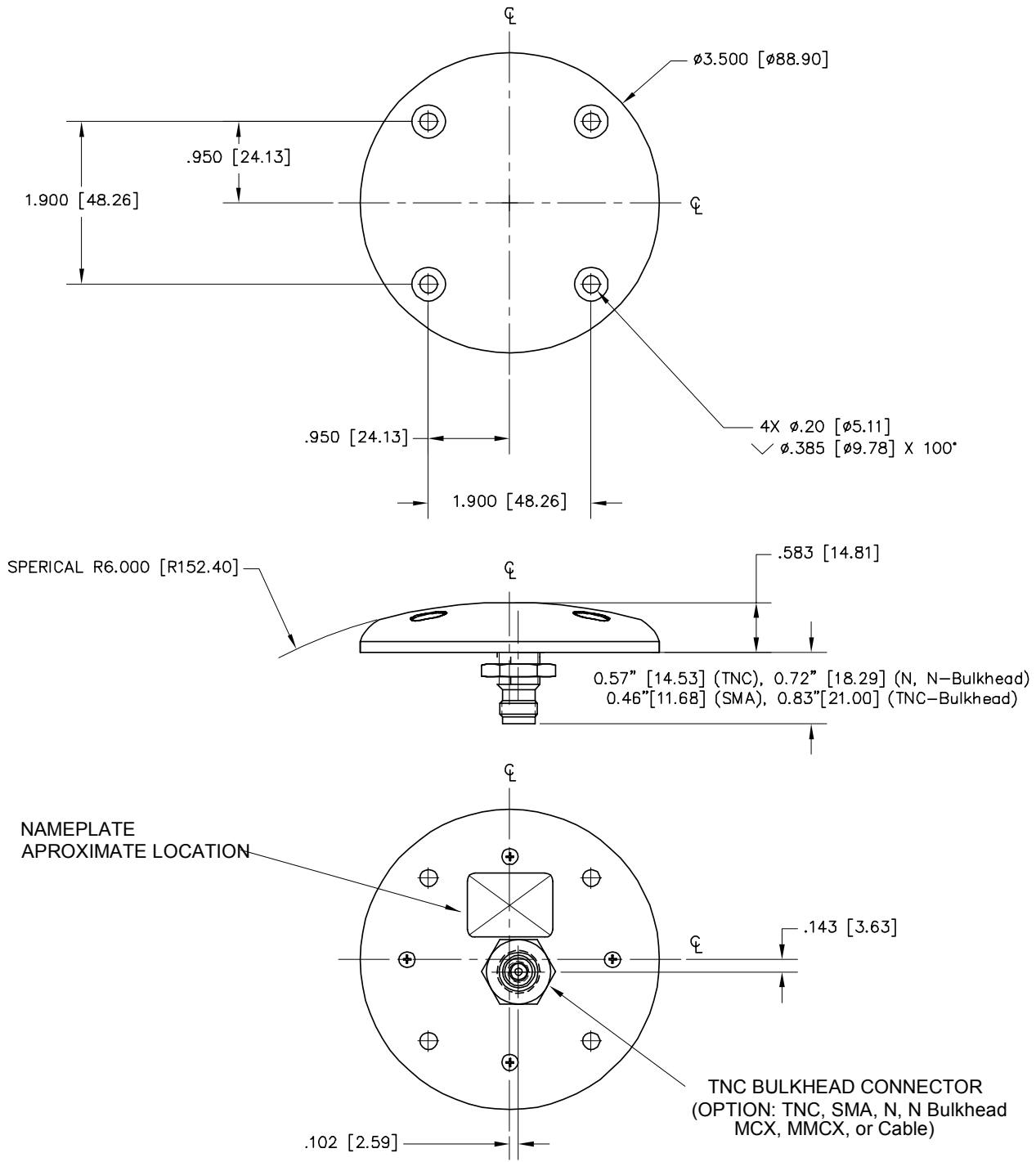
May 2, 2005



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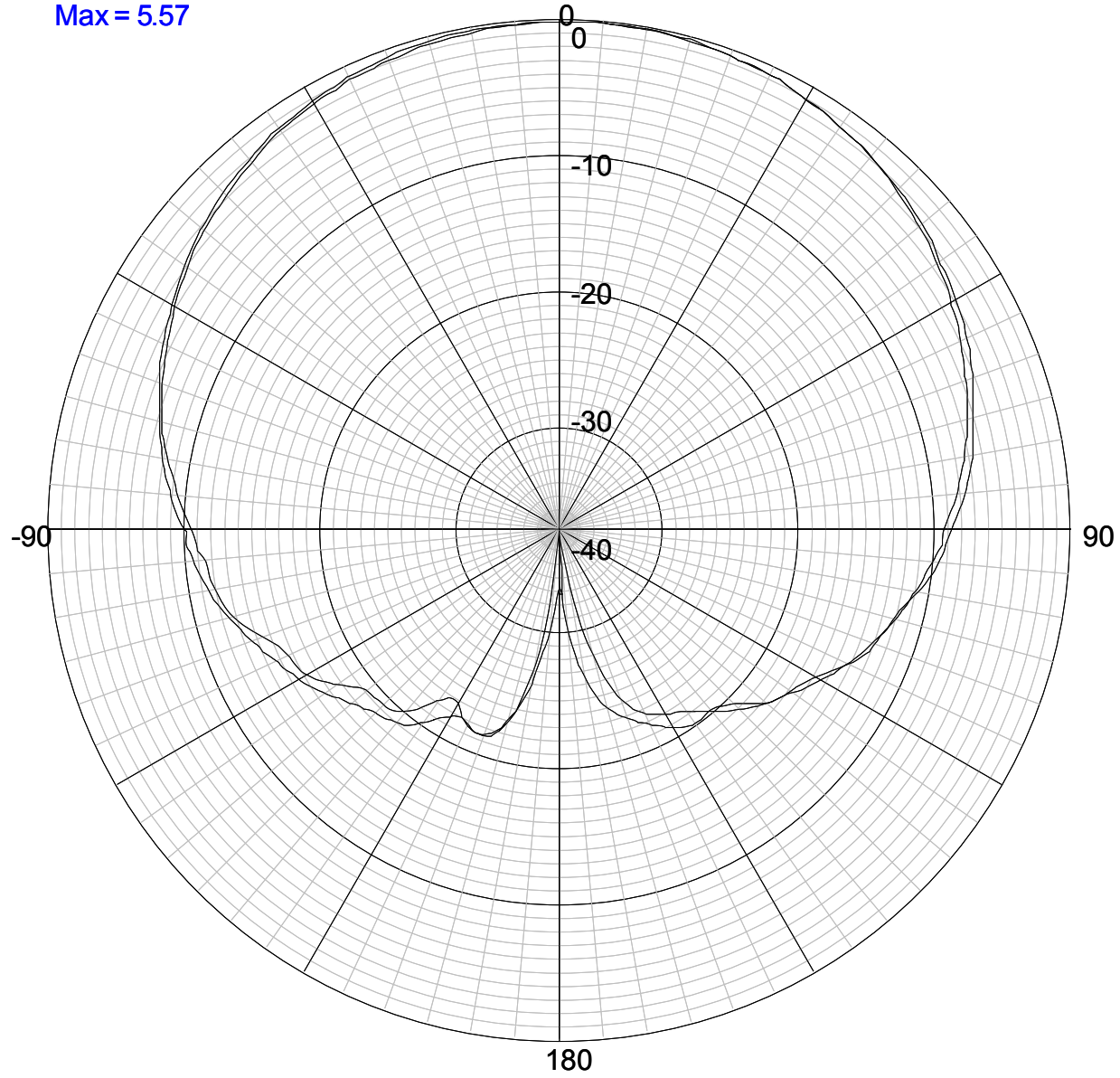
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NOTE: All dimensions are in inches [mm]



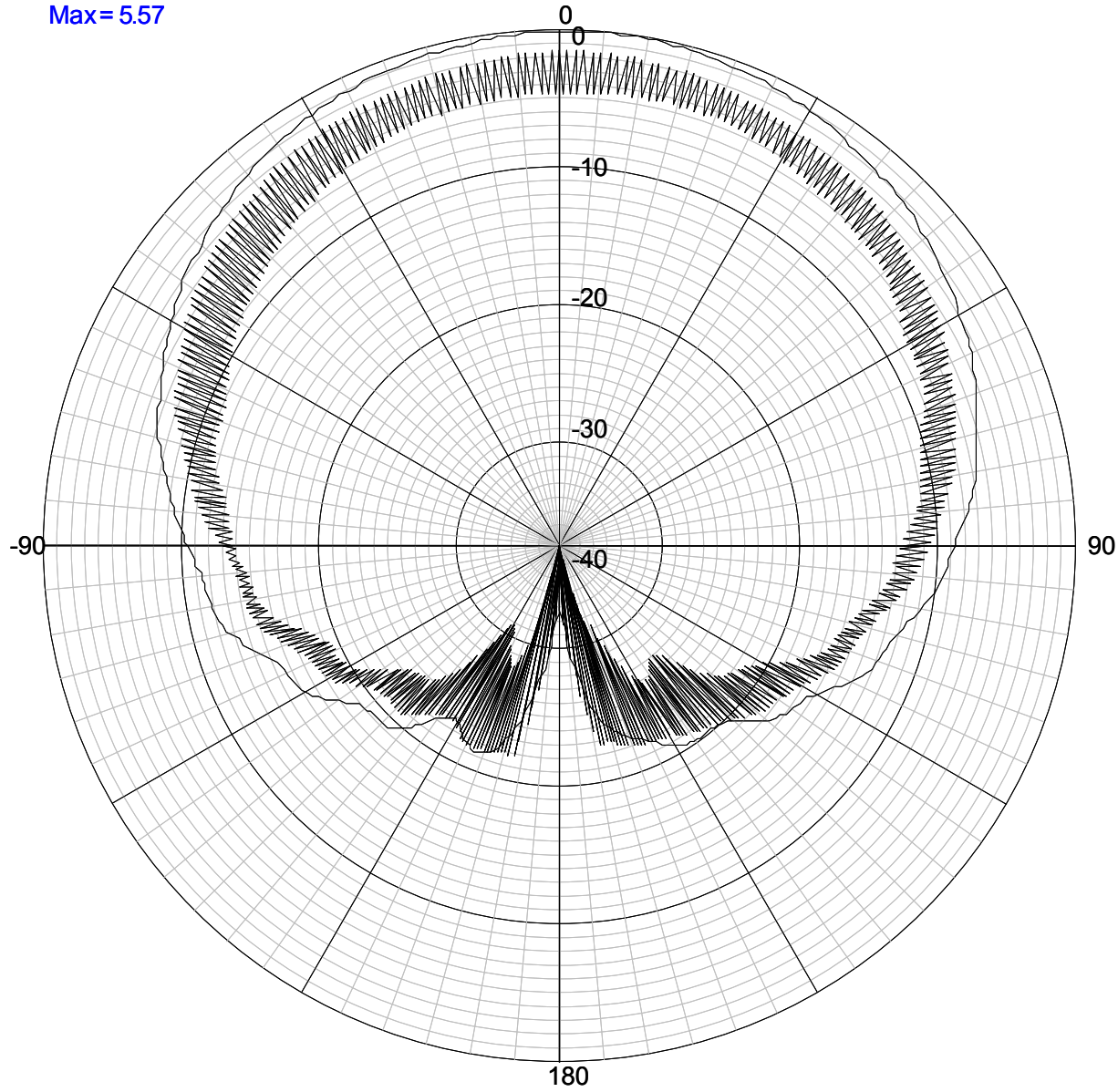
E & H-Elevation Gain Cuts in Free Space

Max = 5.57



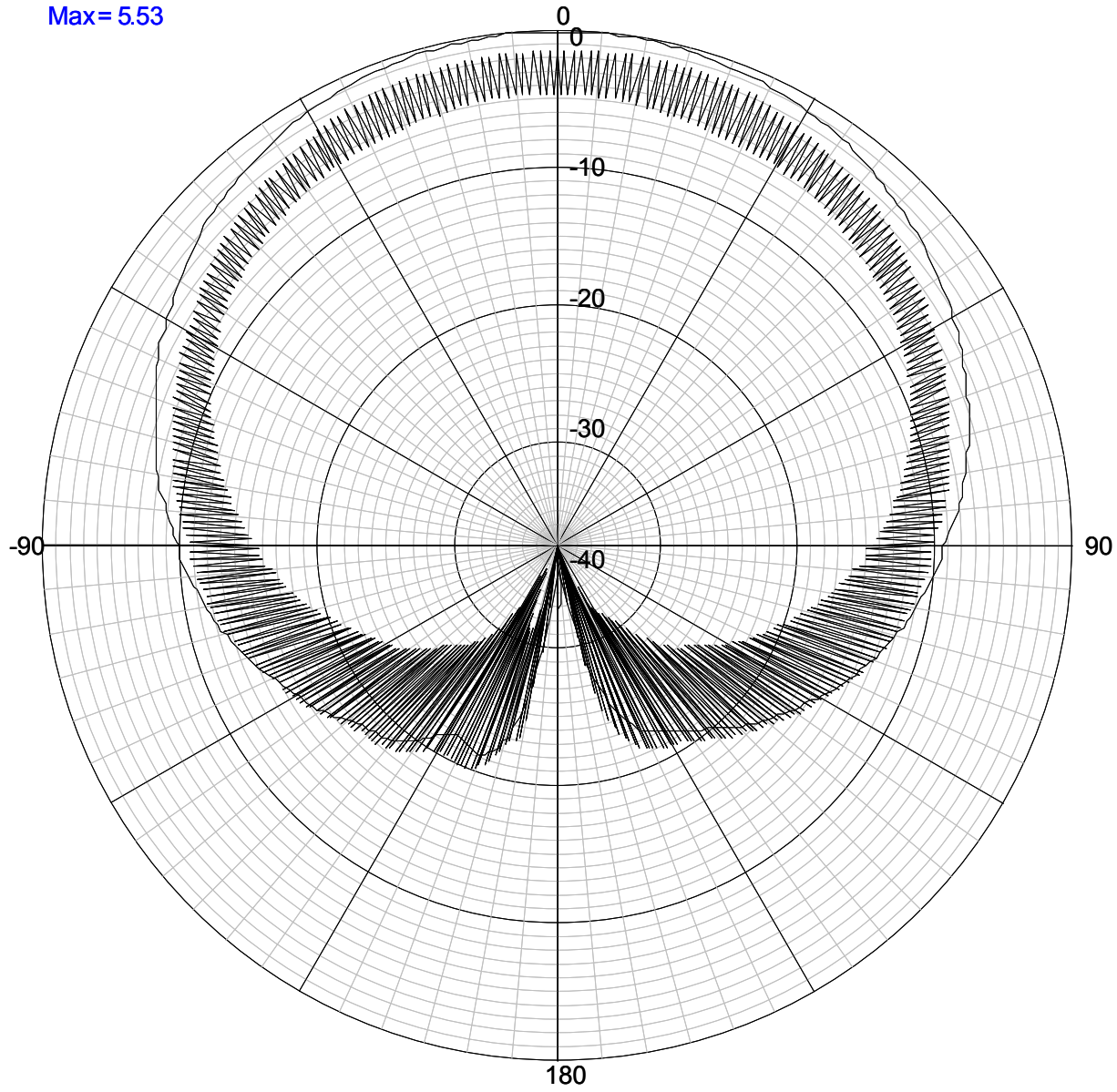
Rotating Linear (E-Cut)

Max = 5.57



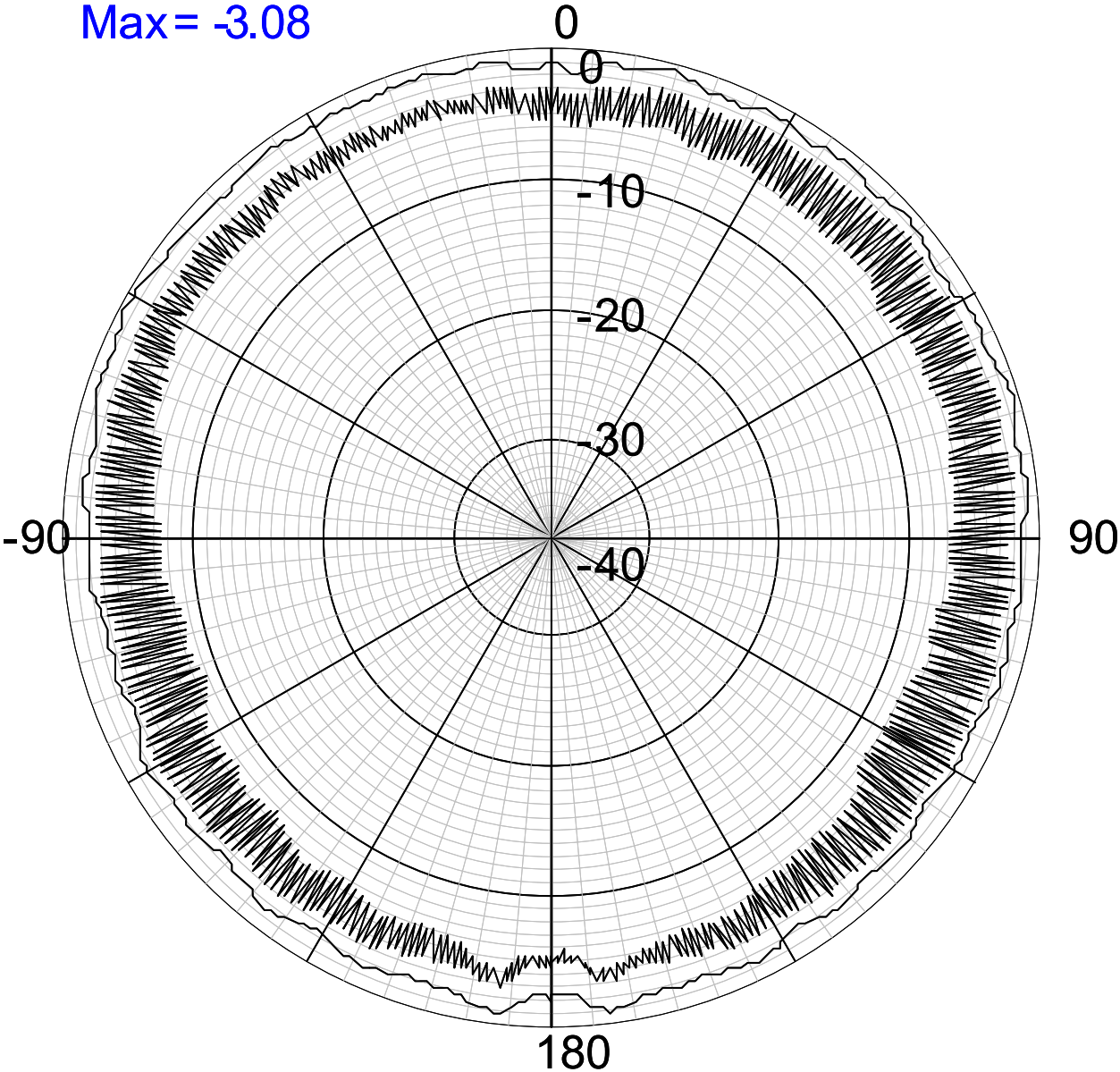
Rotating Linear (H-Cut)

Max= 5.53



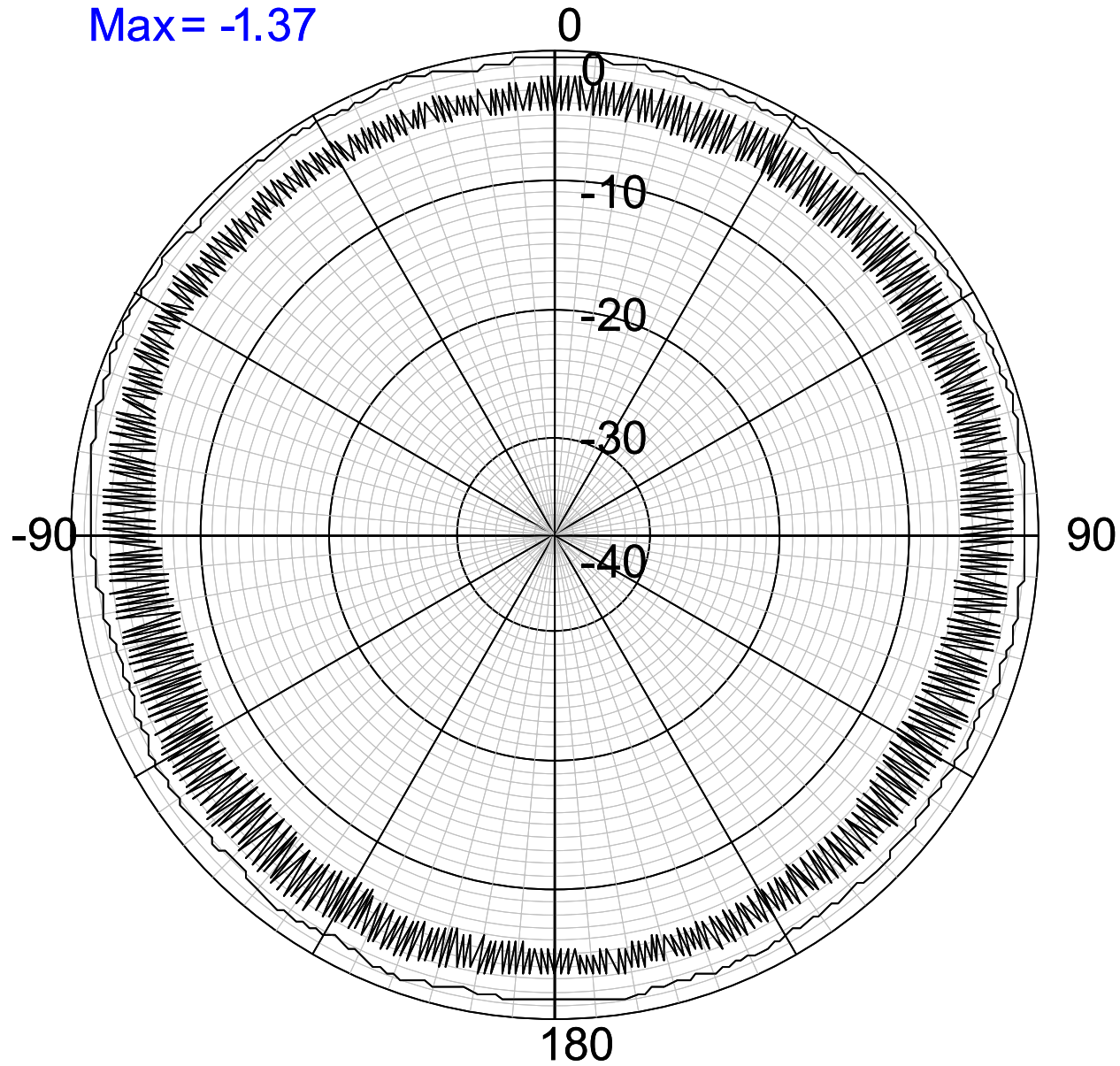
EI = 0 deg

Max = -3.08



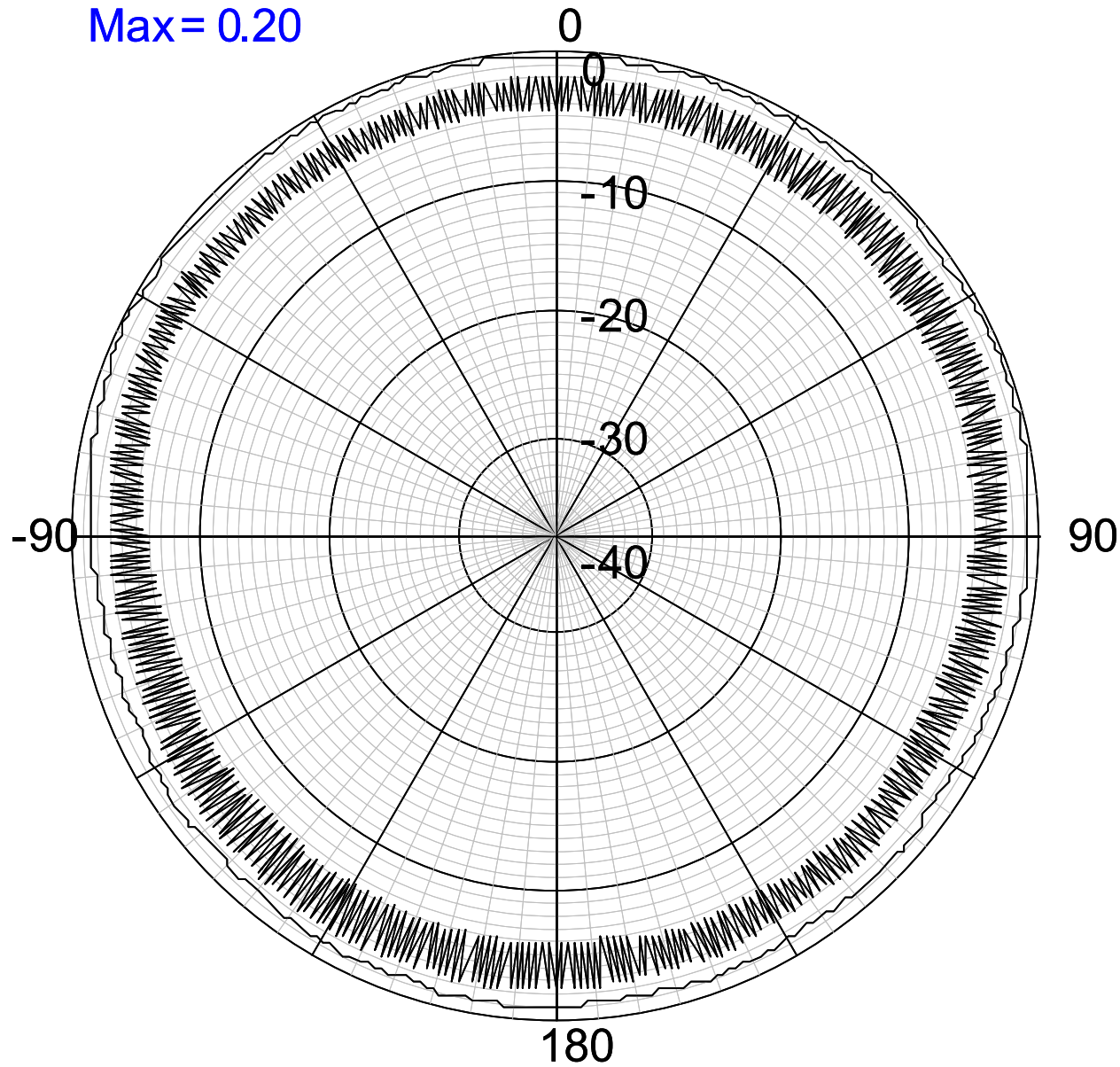
El = 10 deg

Max = -1.37



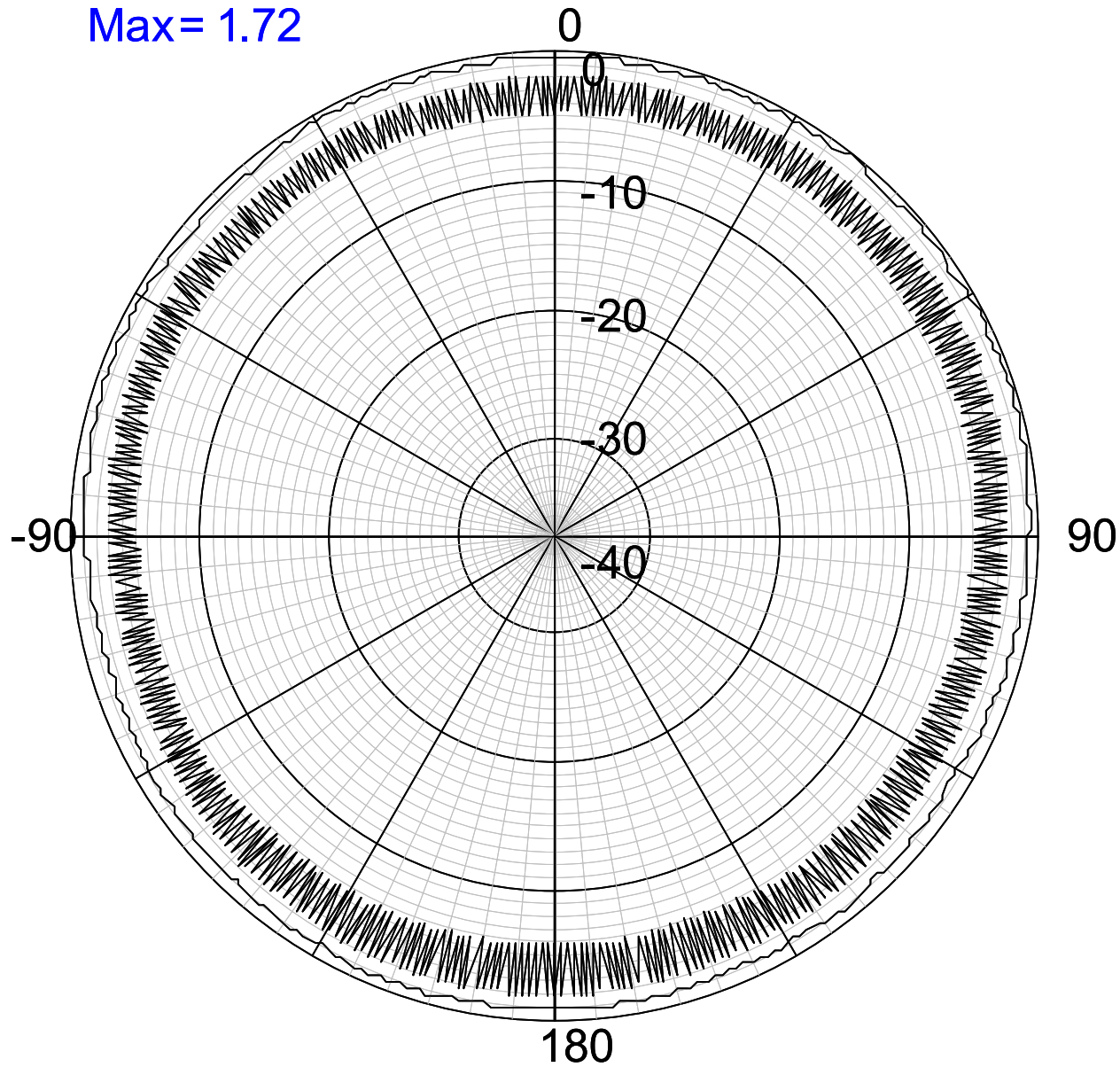
El = 20 deg

Max = 0.20



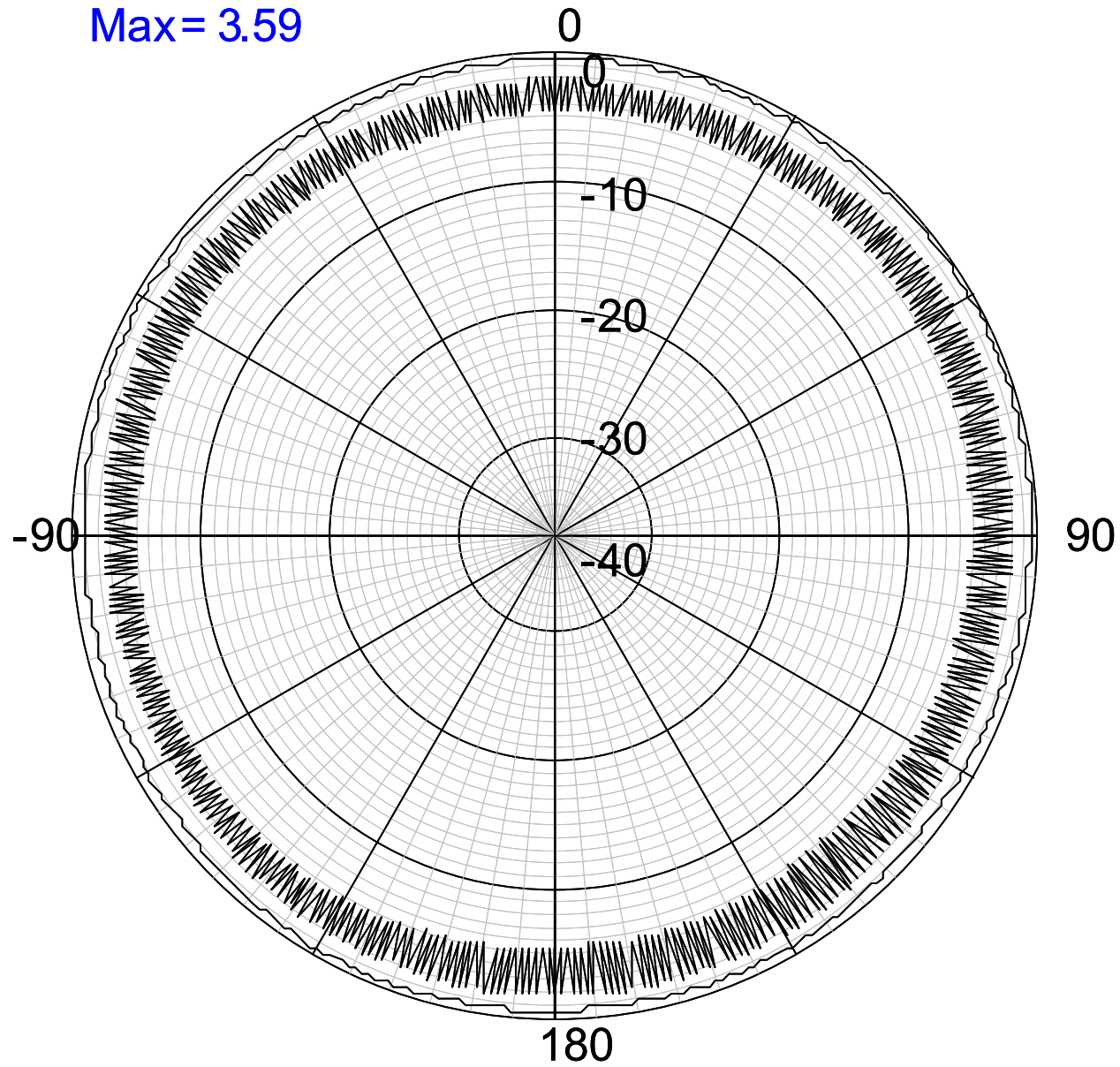
El = 30 deg

Max= 1.72



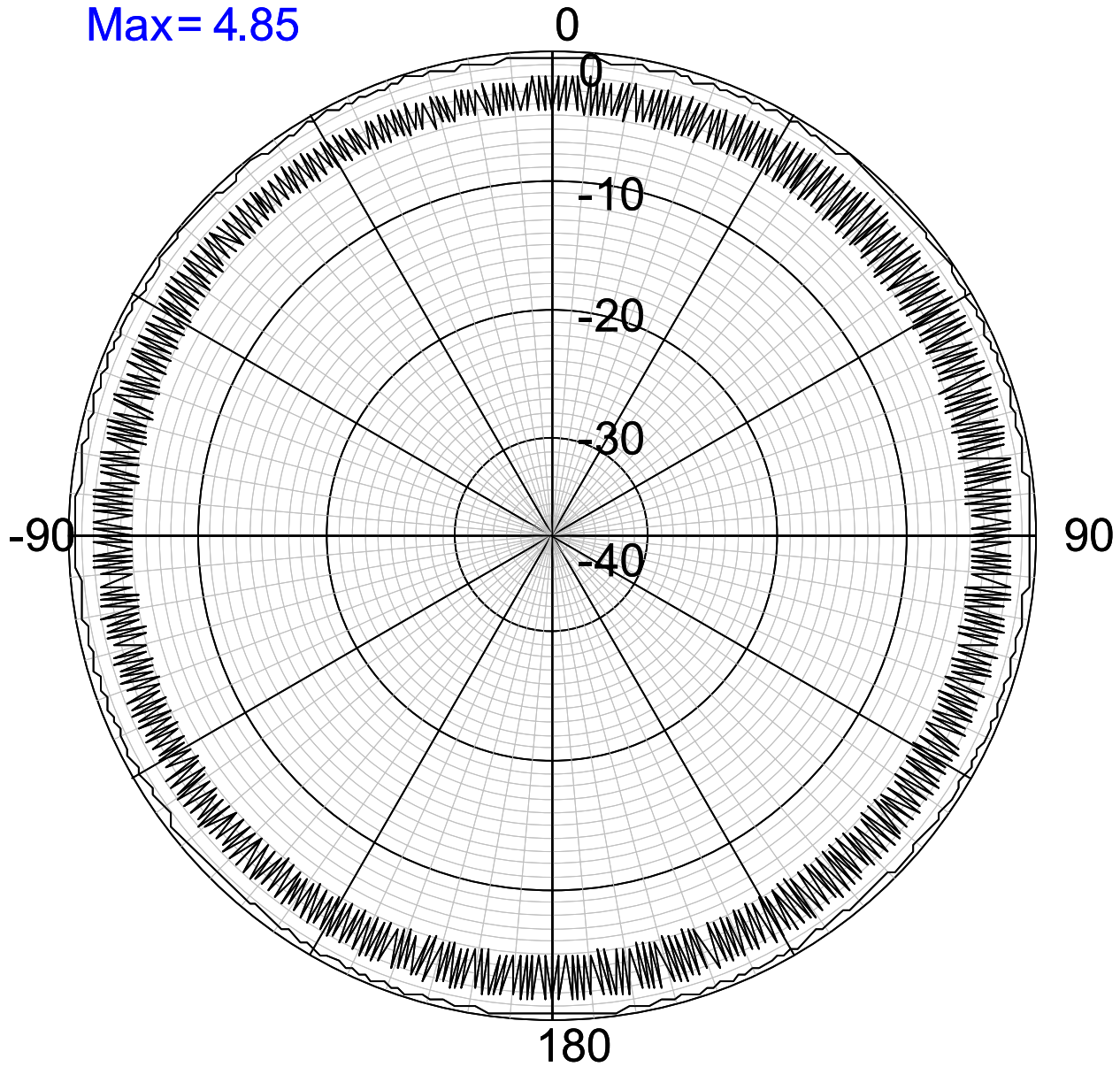
El = 45 deg

Max = 3.59



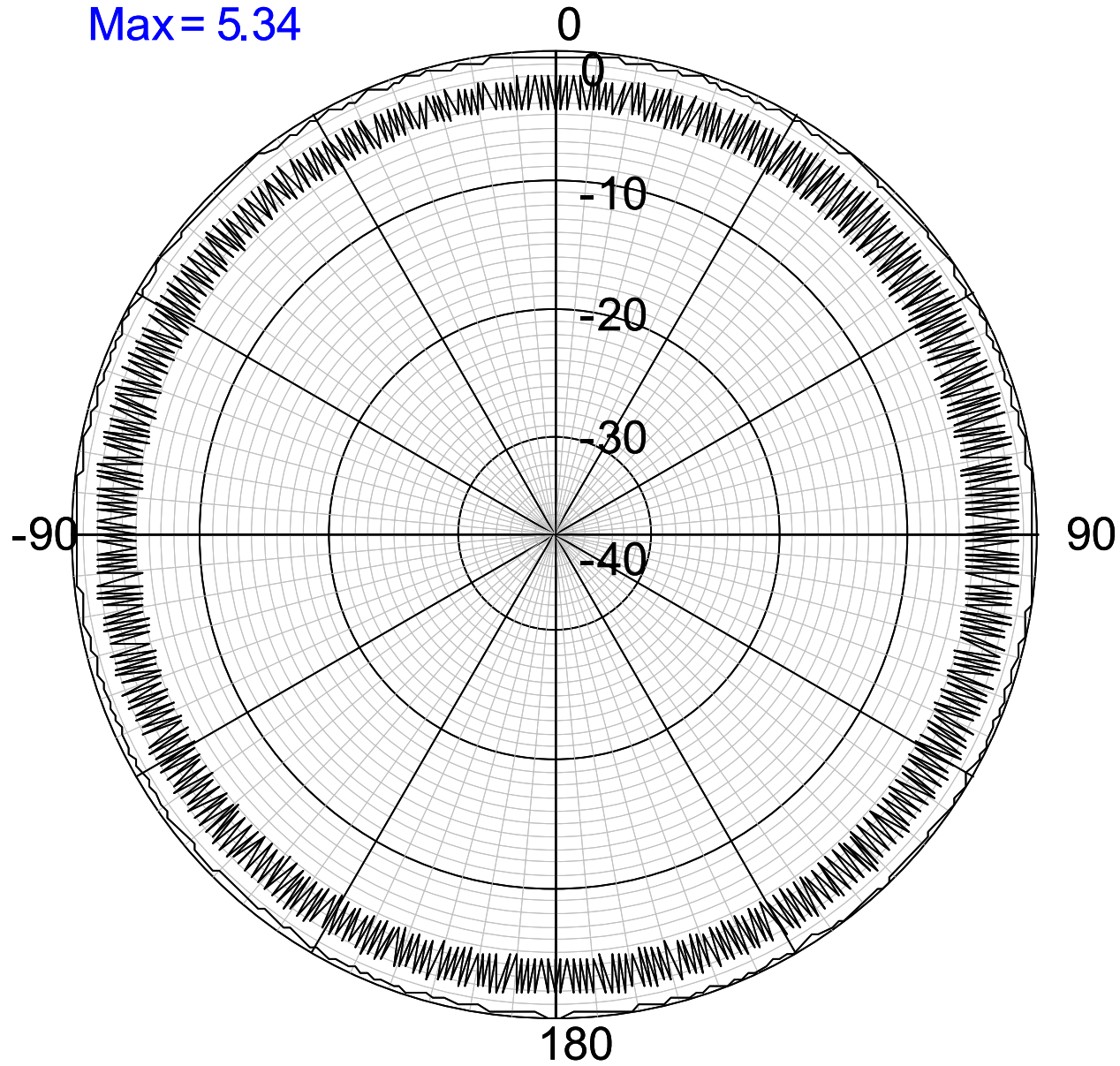
El = 60 deg

Max= 4.85



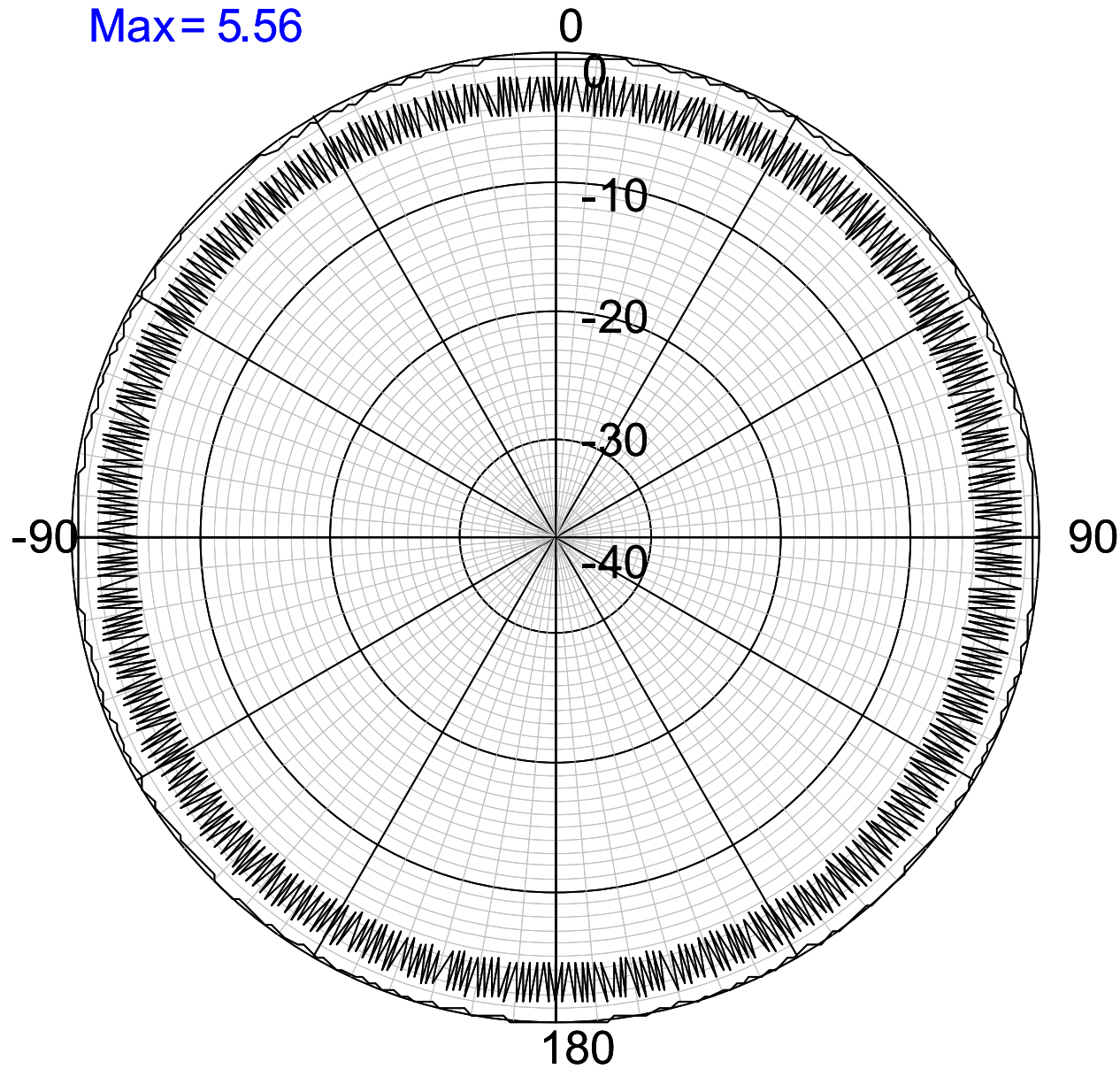
El = 70 deg

Max = 5.34



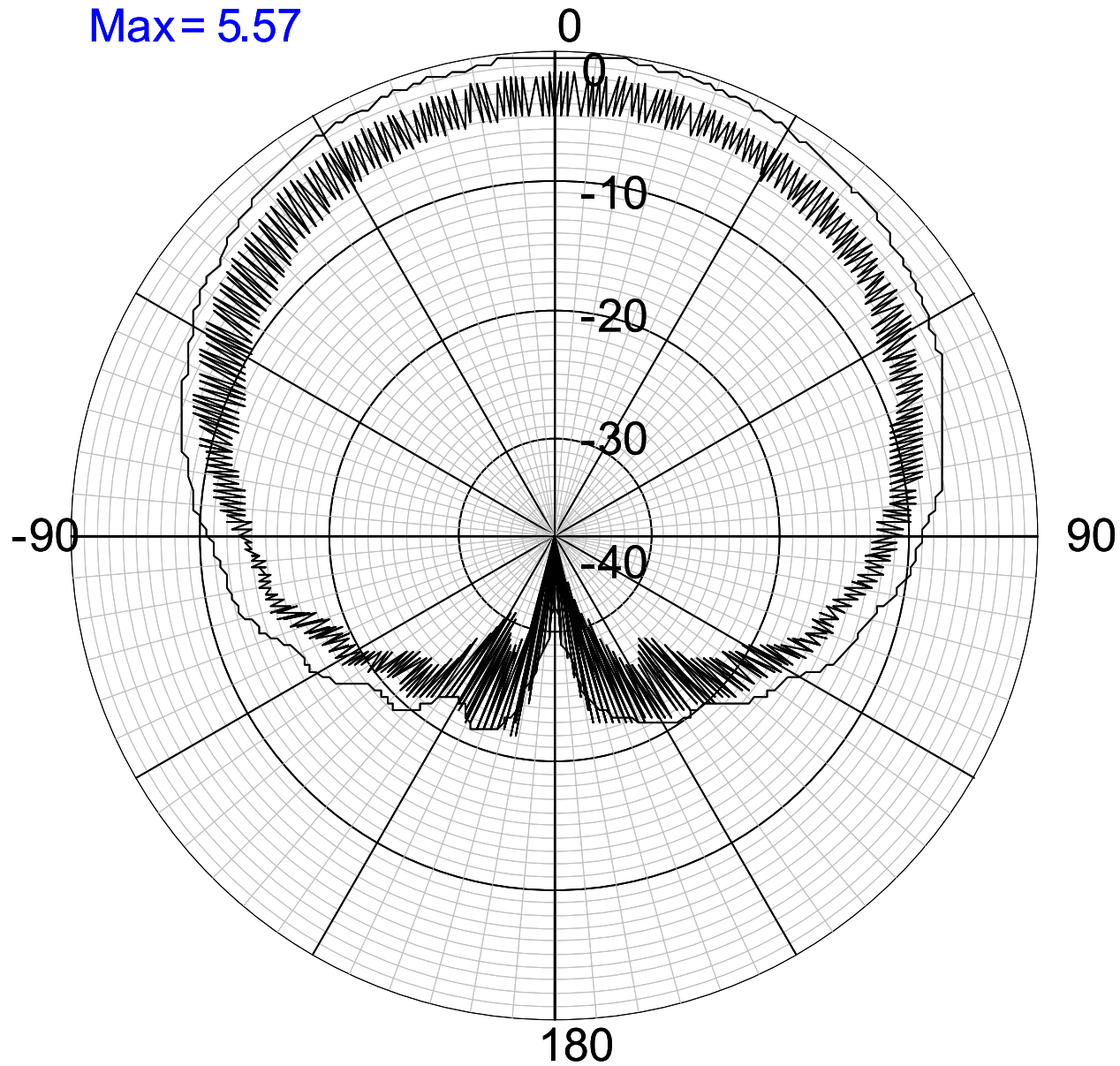
EI = 80 deg

Max = 5.56



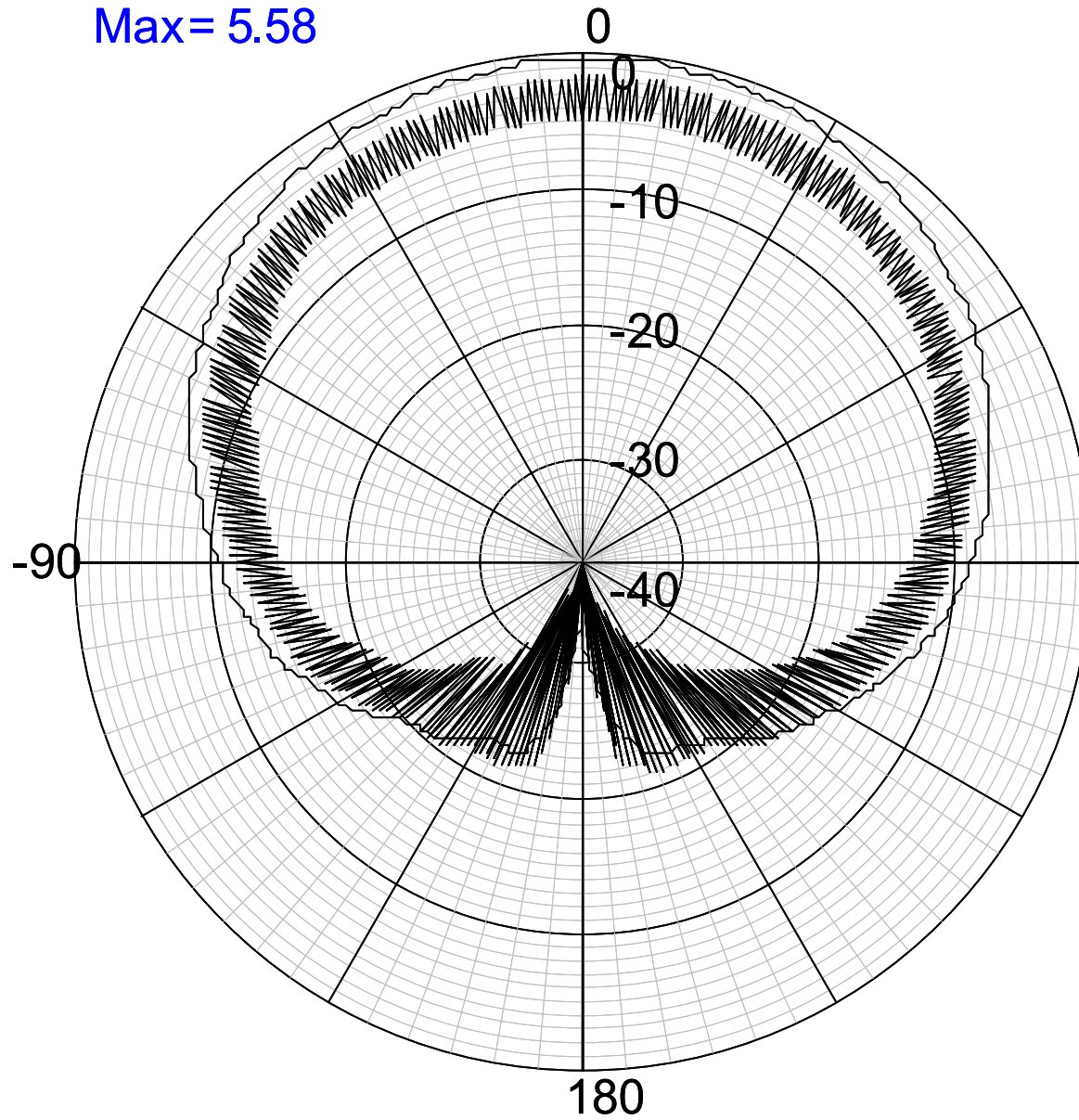
Az = 0 deg

Max= 5.57



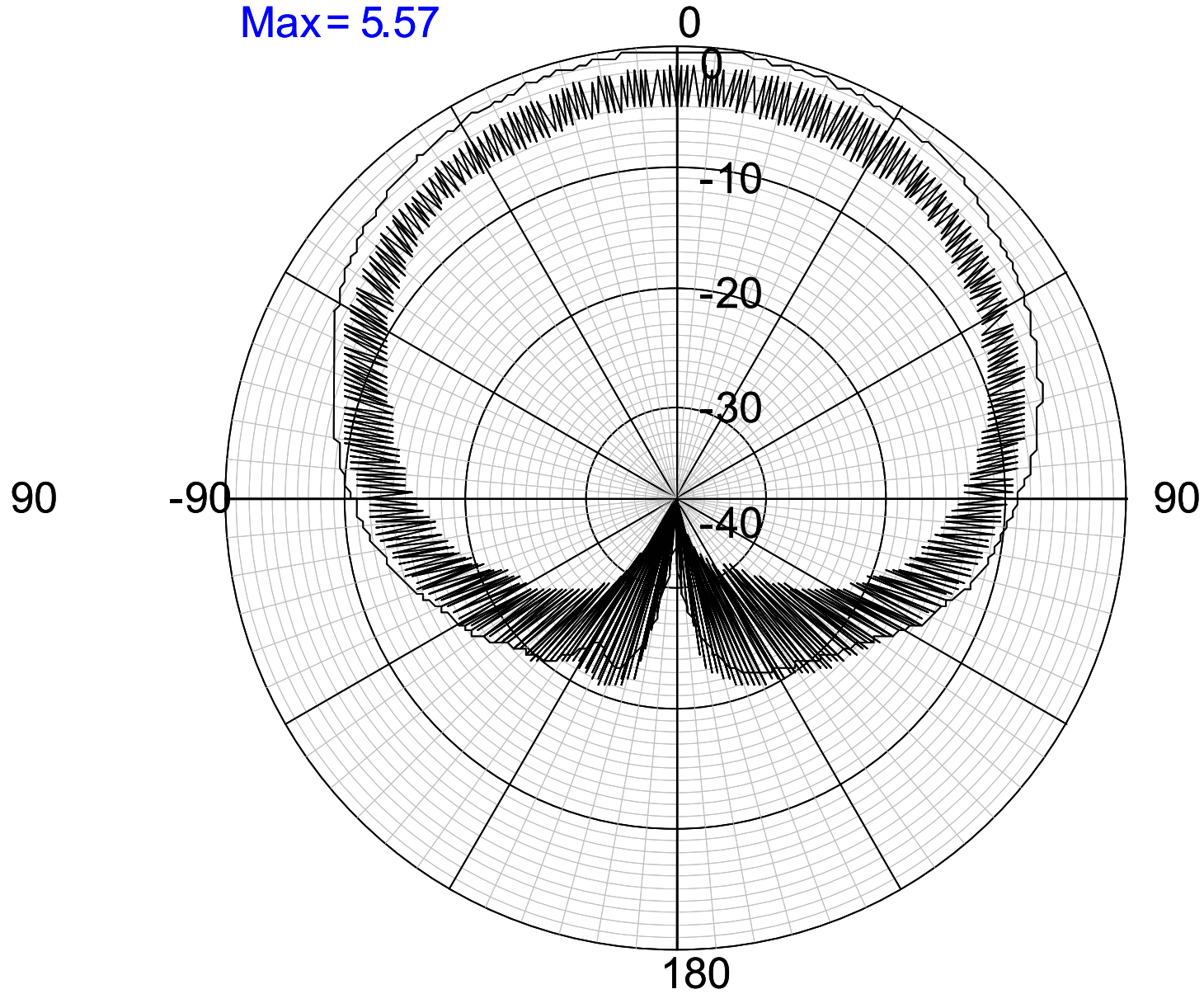
Az = 30 deg

Max= 5.58



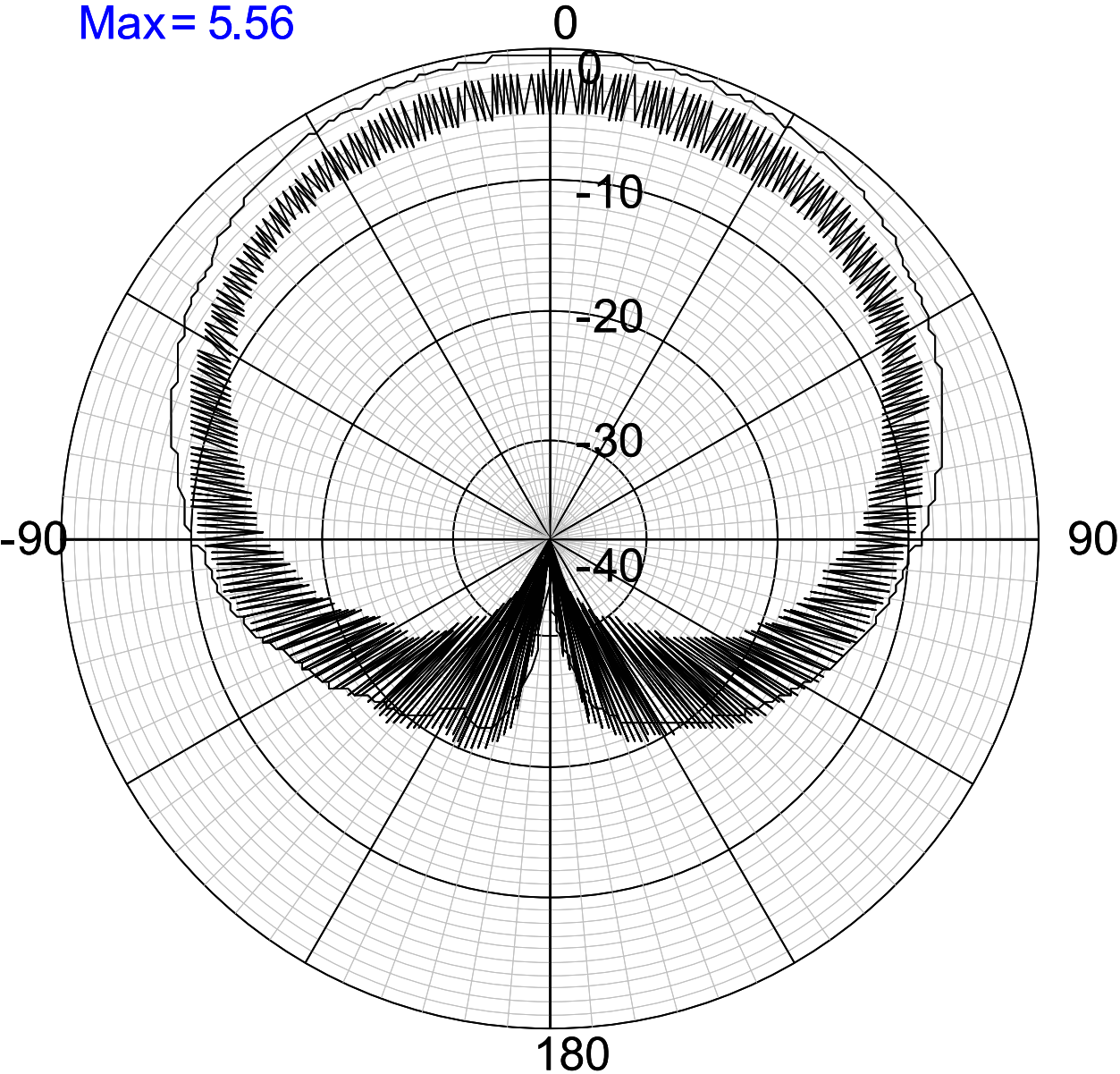
Az = 45 deg

Max = 5.57



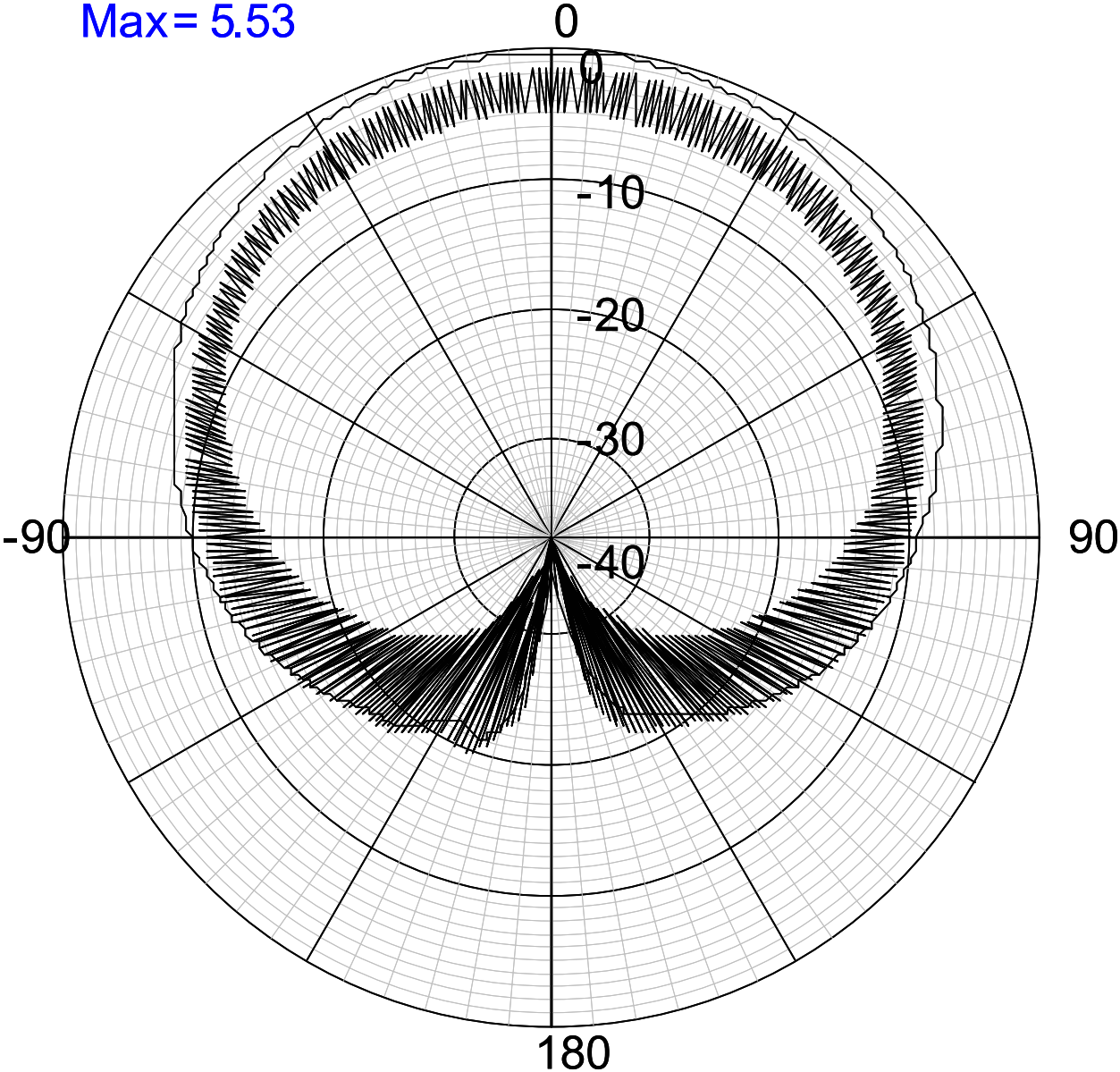
Az = 60 deg

Max = 5.56



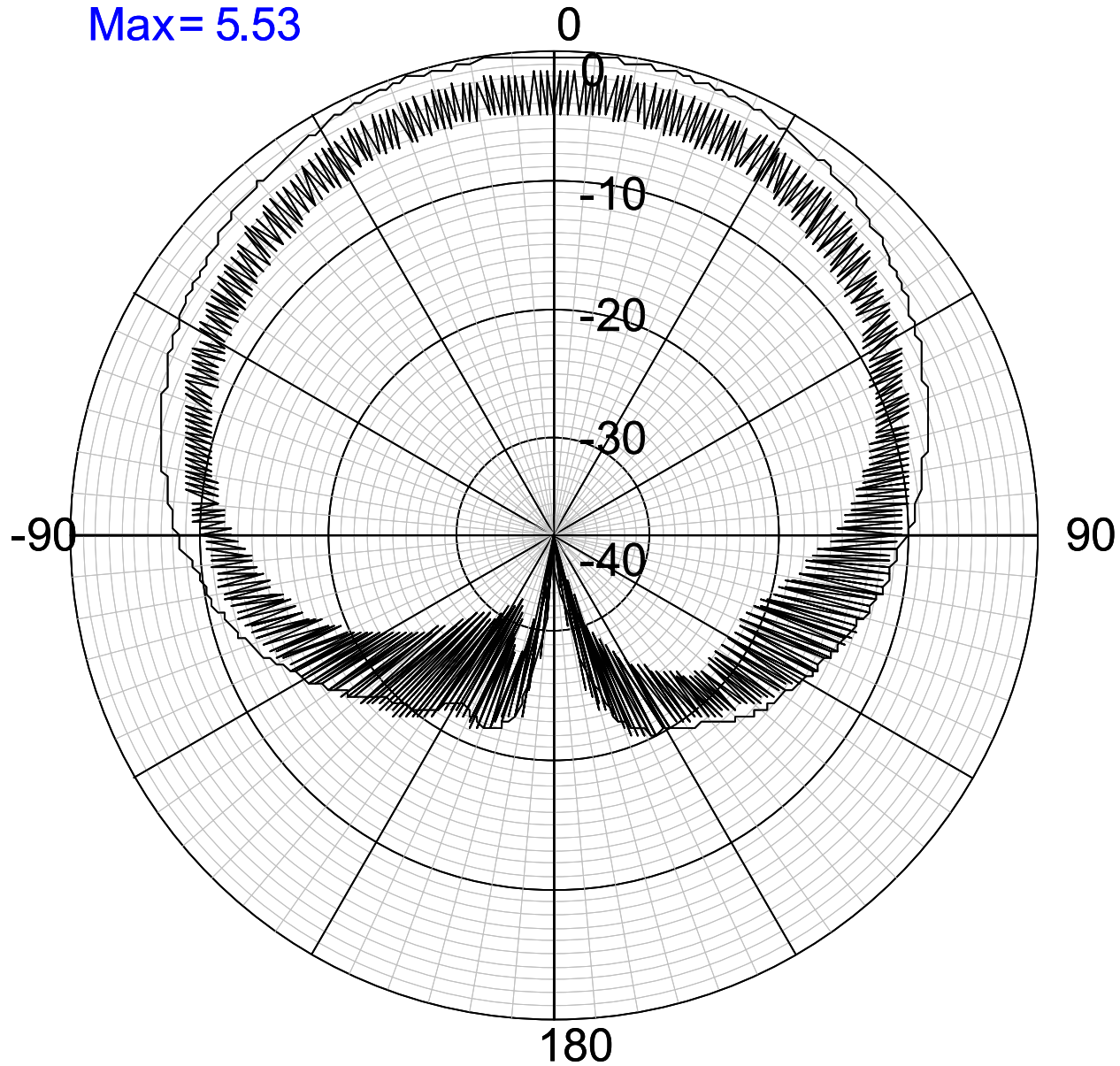
Az = 90 deg

Max= 5.53



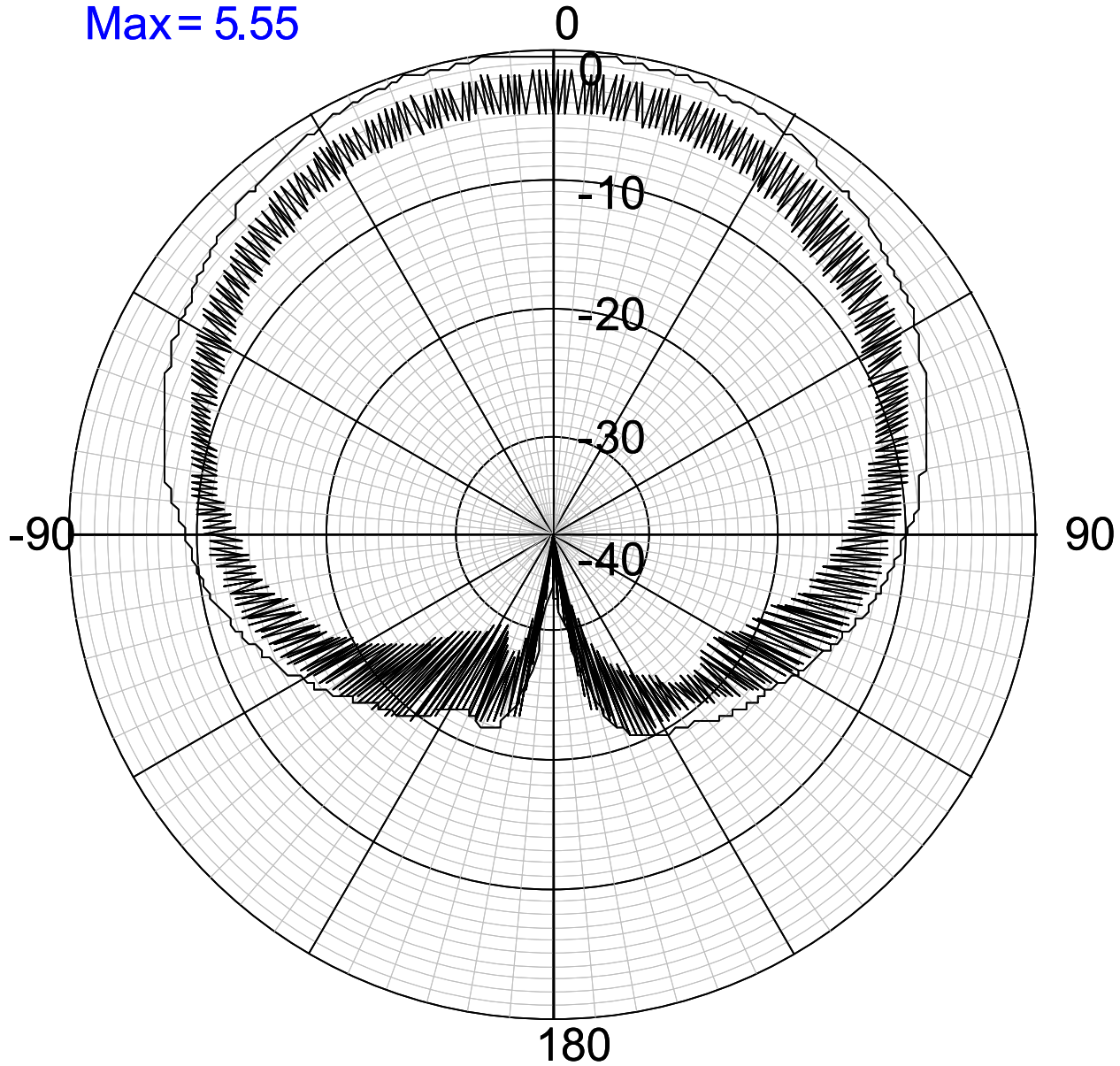
Az = 120 deg

Max= 5.53



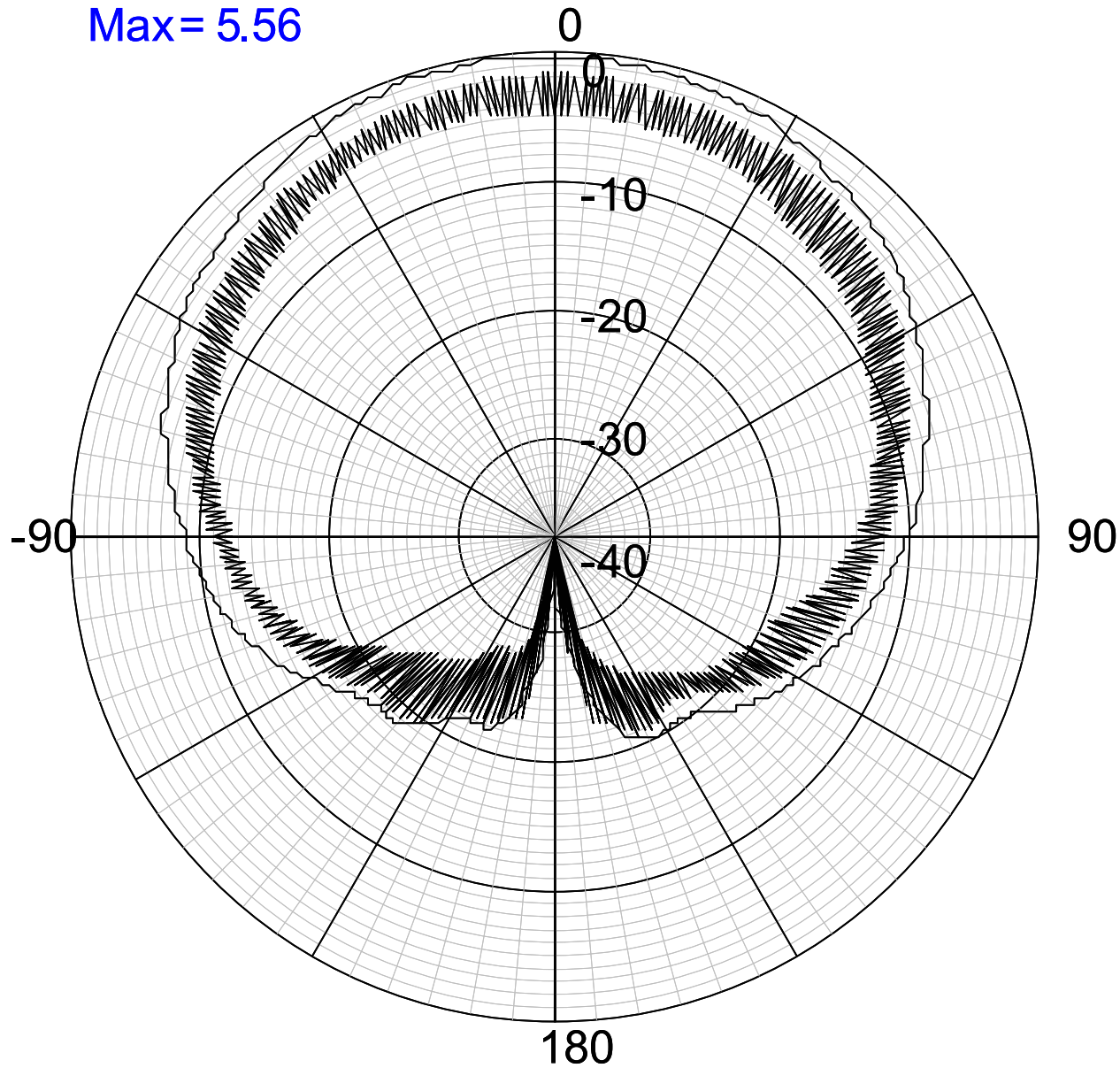
Az = 135 deg

Max = 5.55



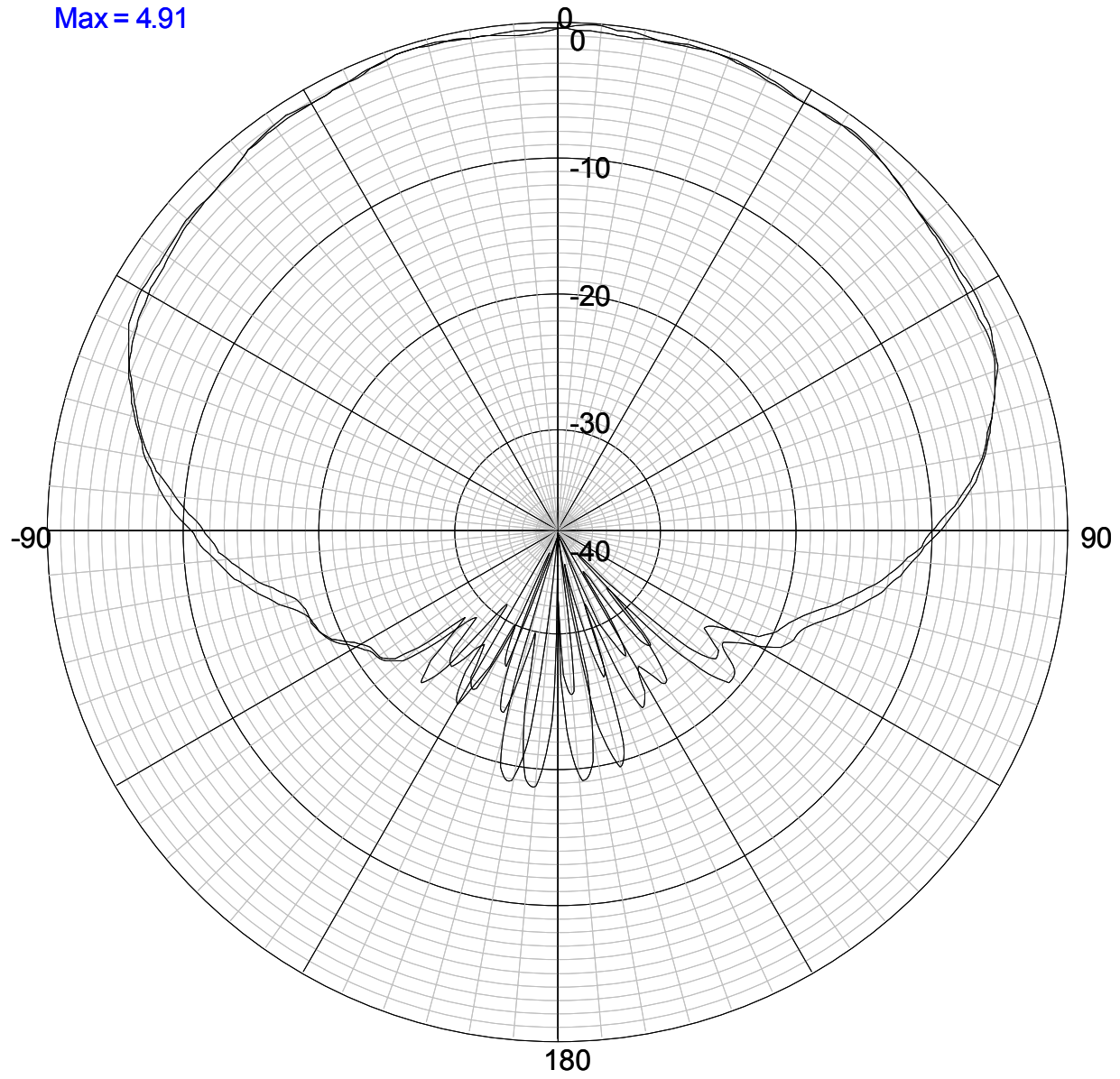
Az = 150 deg

Max = 5.56



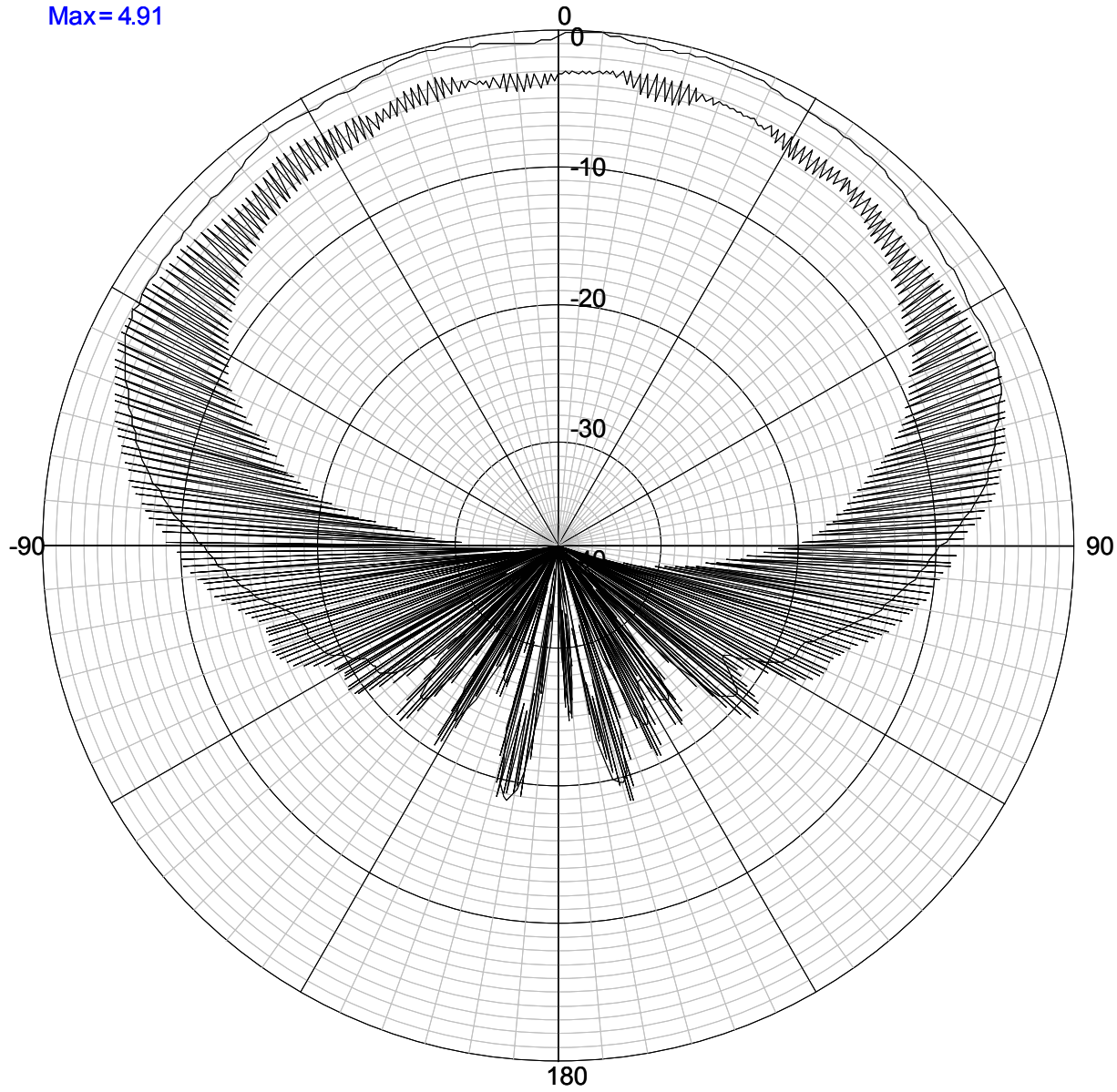
E & H-Elevation Gain Cuts with a 4-Foot Ground Plane

Max = 4.91



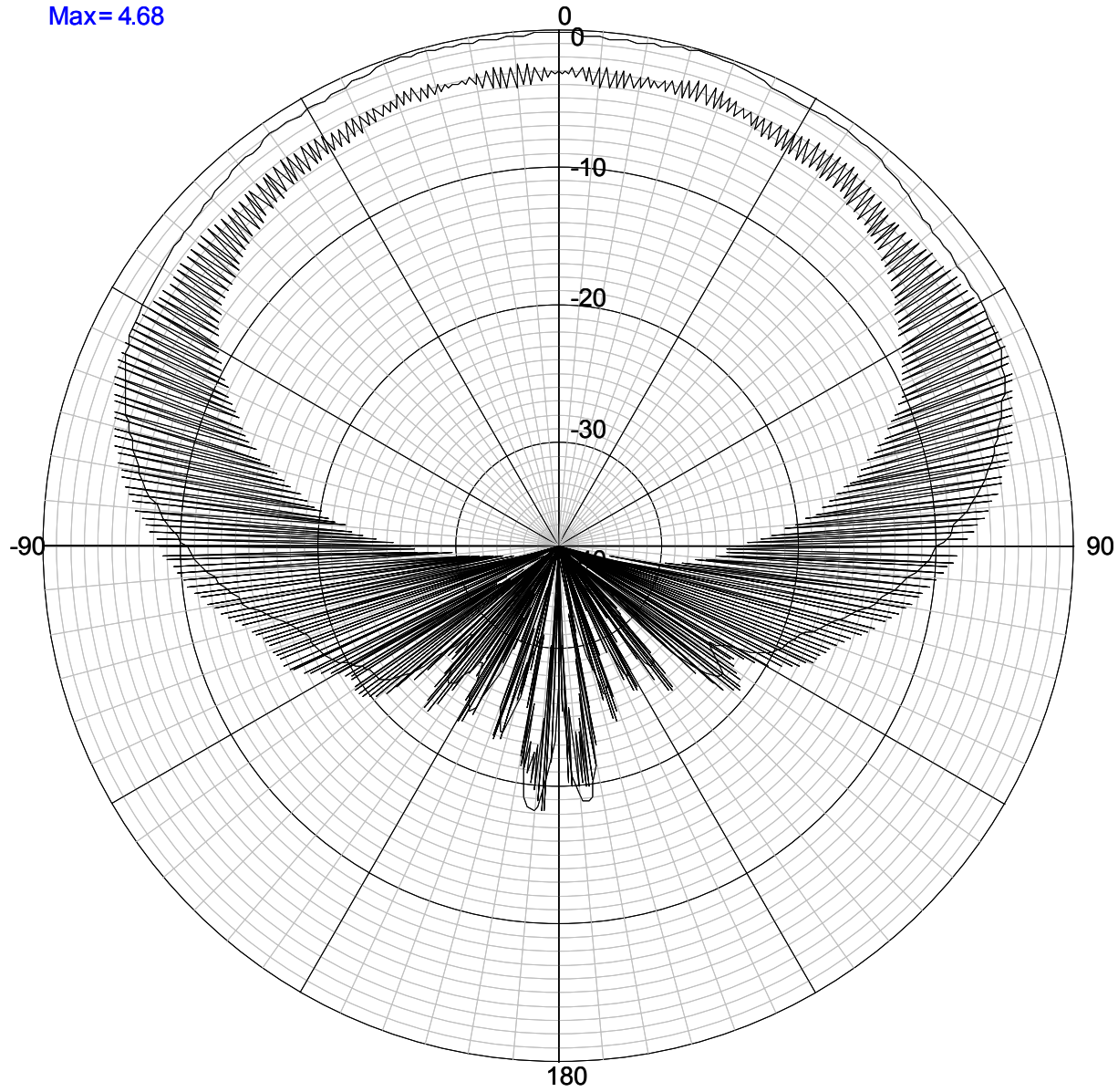
Rotating Linear (E-Cut)

Max= 4.91



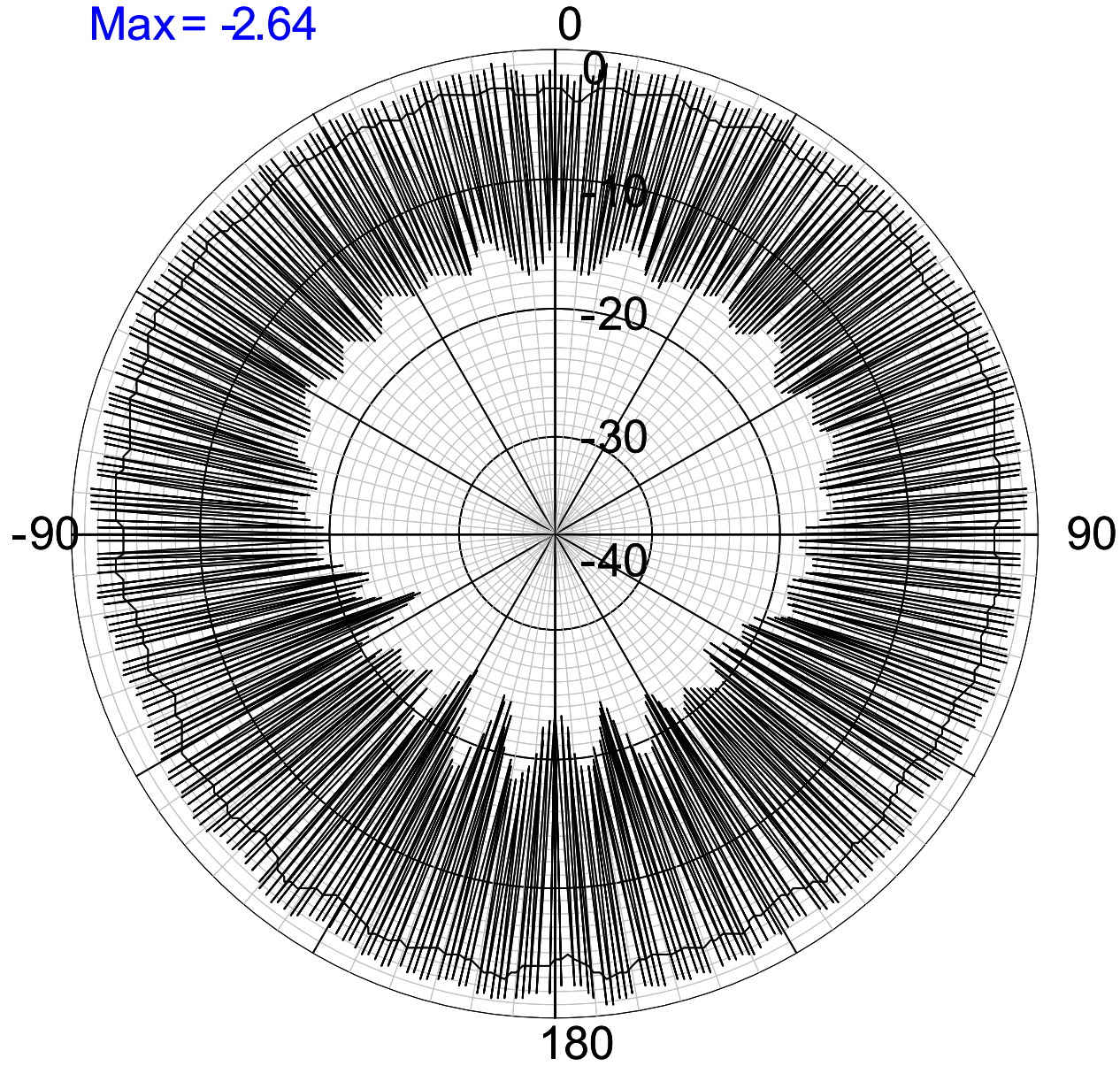
Rotating Linear (H-Cut)

Max= 4.68



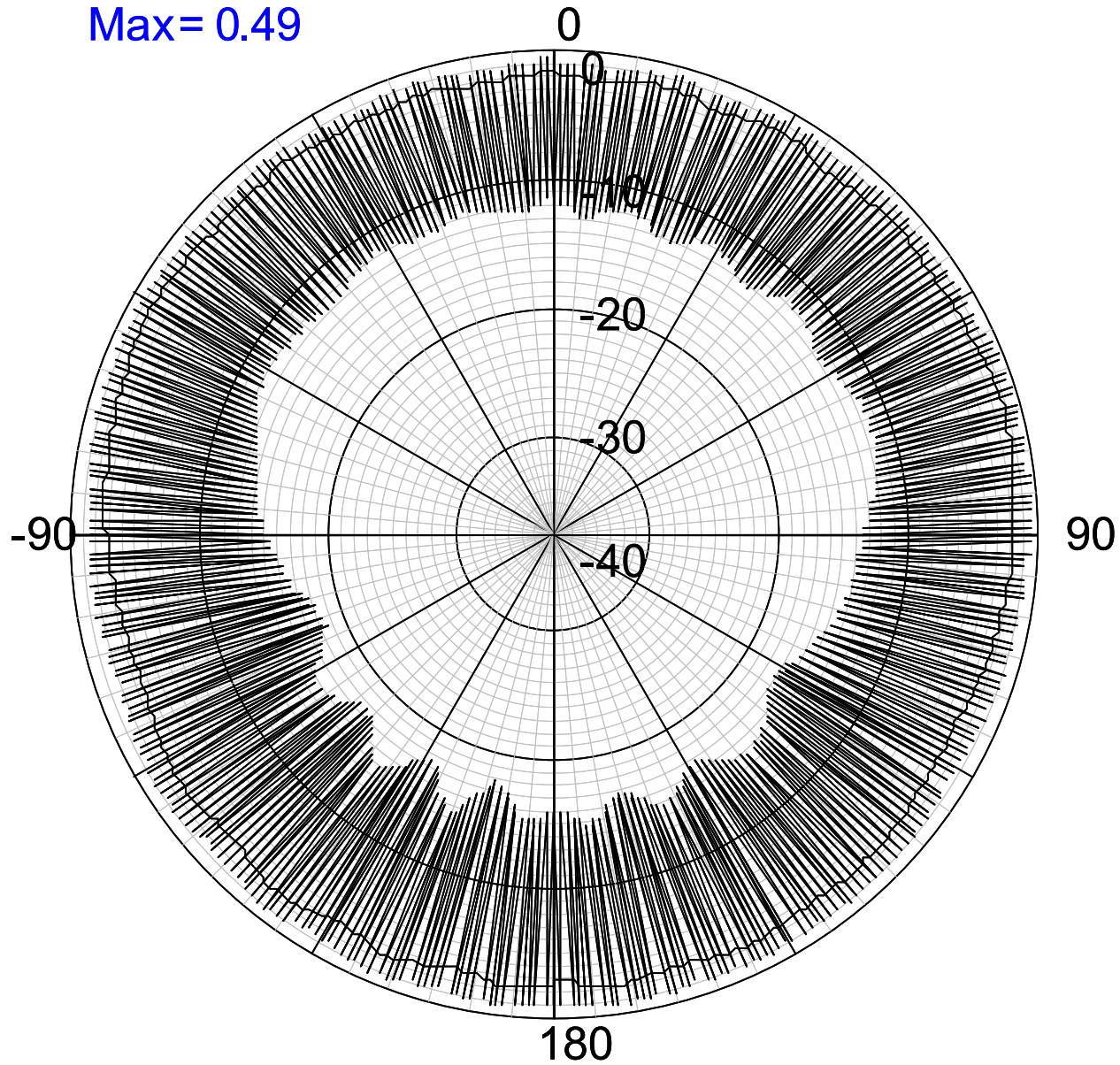
El = 0 deg

Max = -2.64



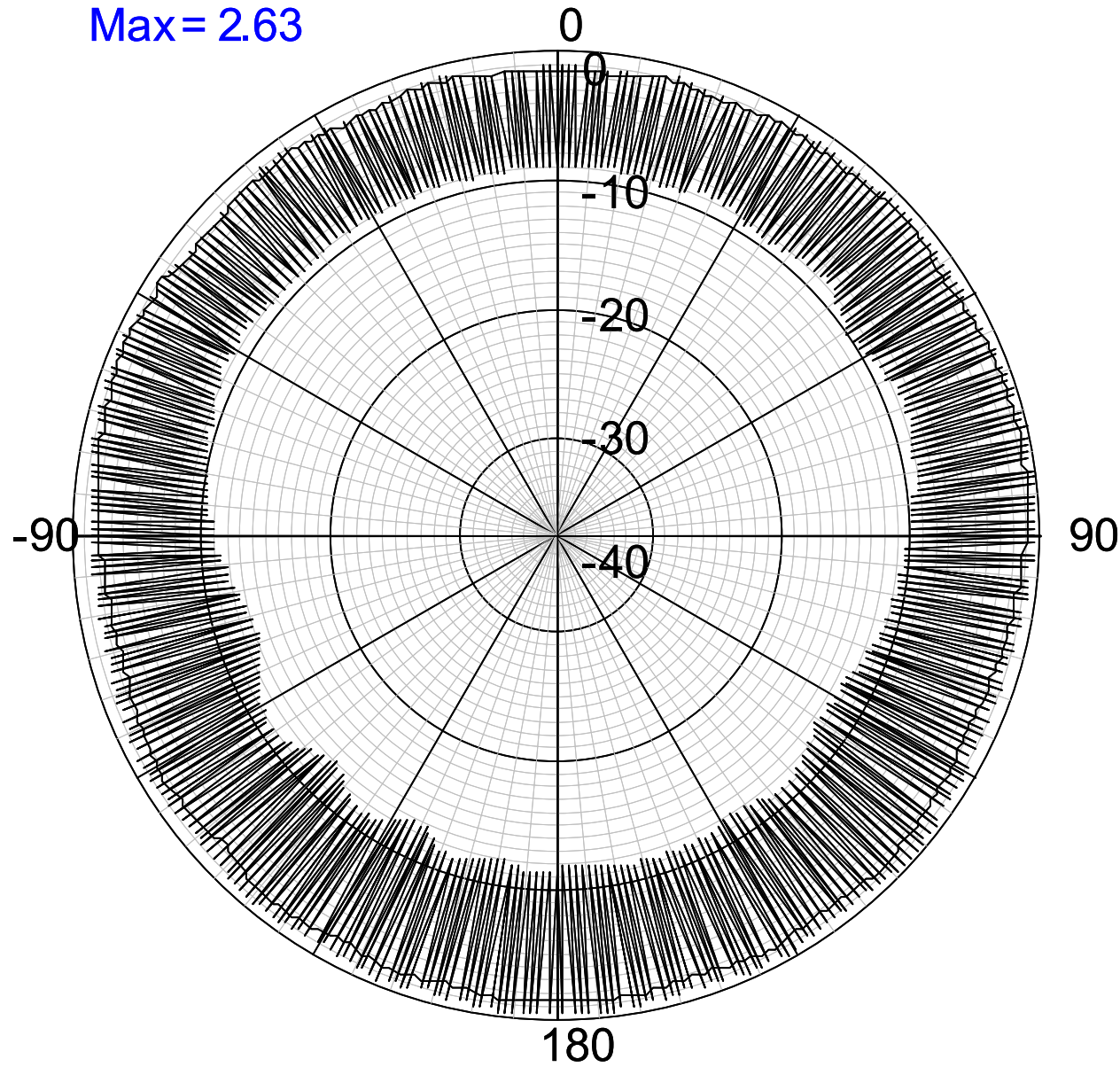
El = 10 deg

Max= 0.49



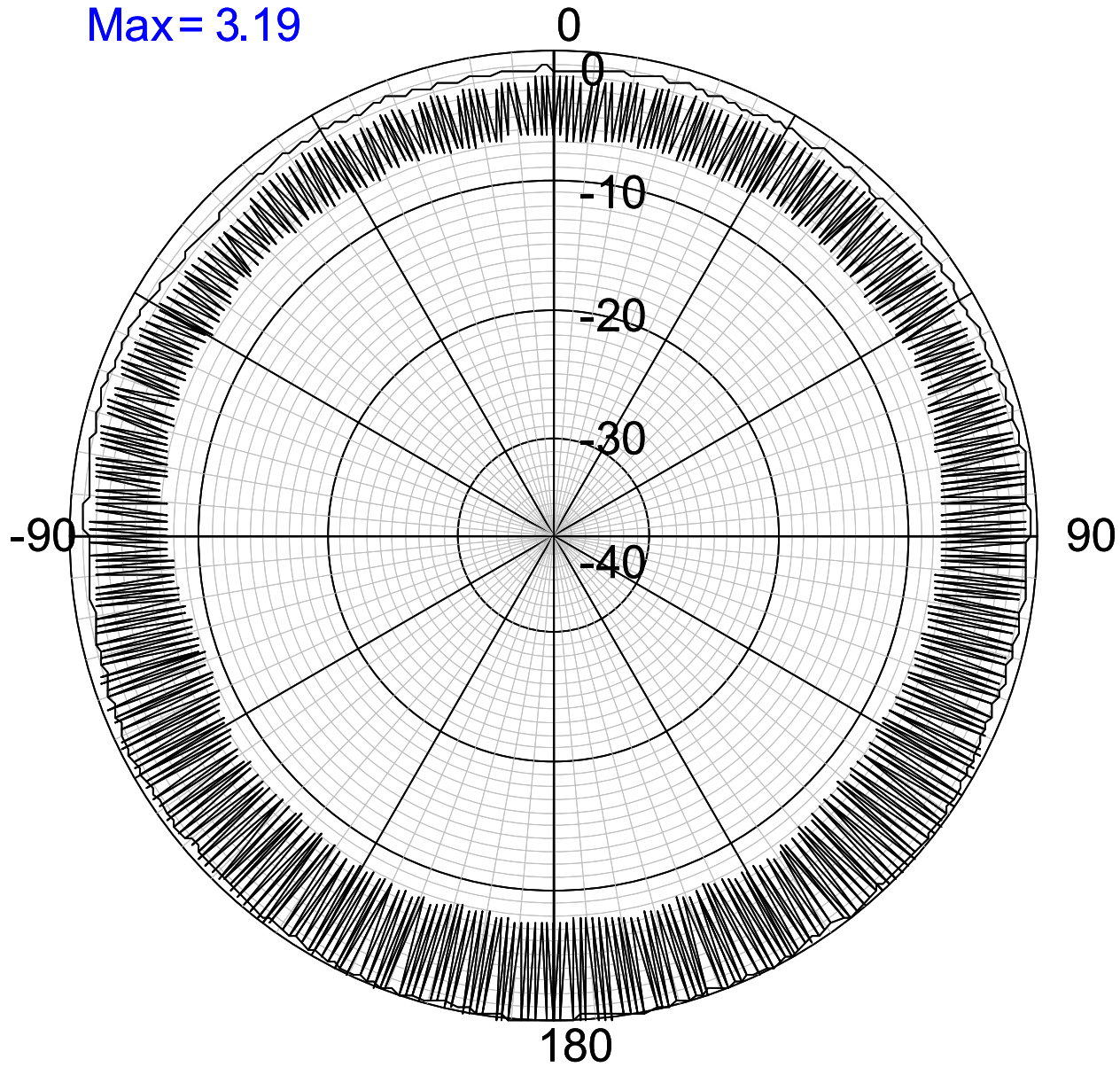
El = 20 deg

Max = 2.63



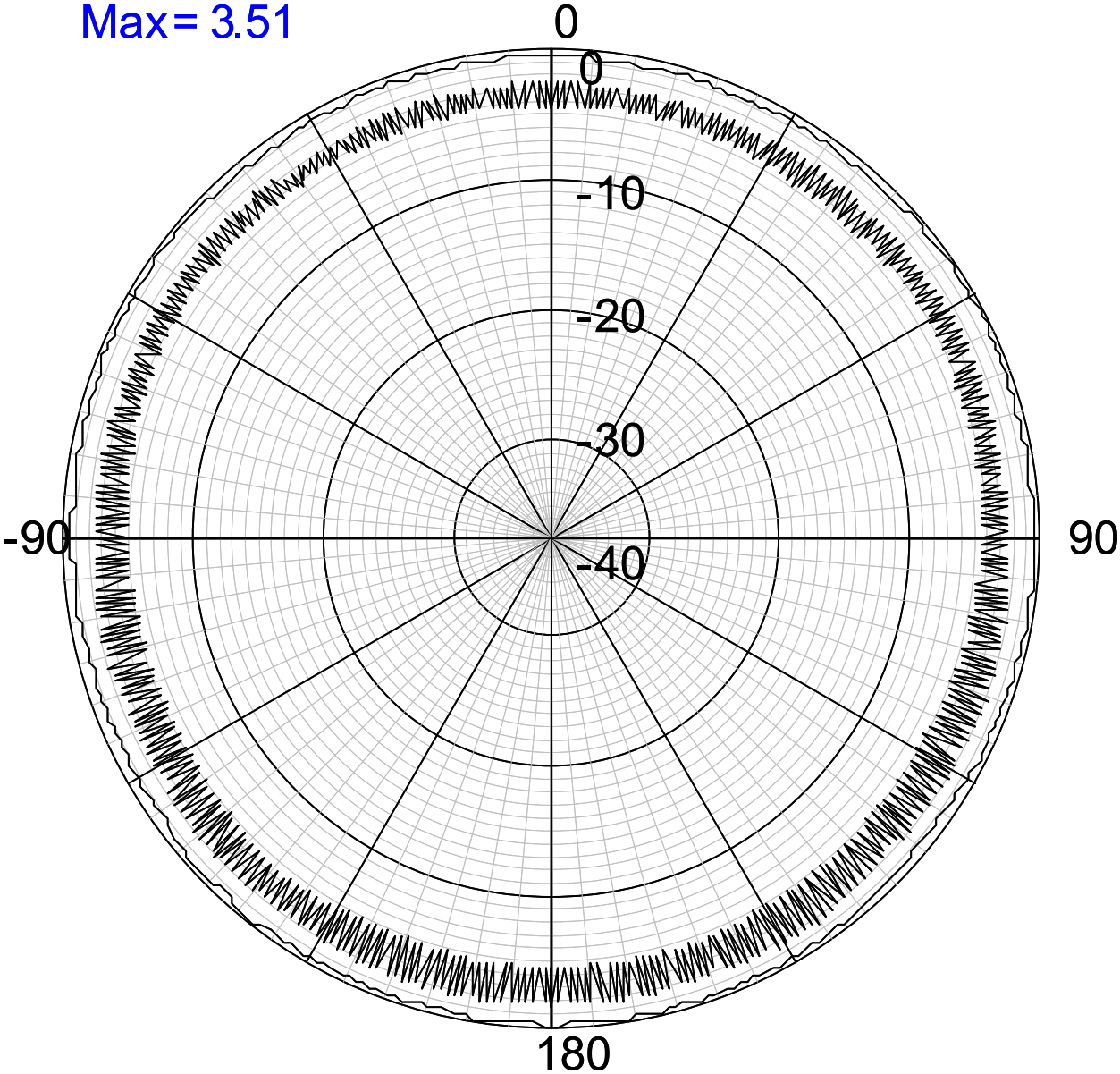
El = 30 deg

Max= 3.19



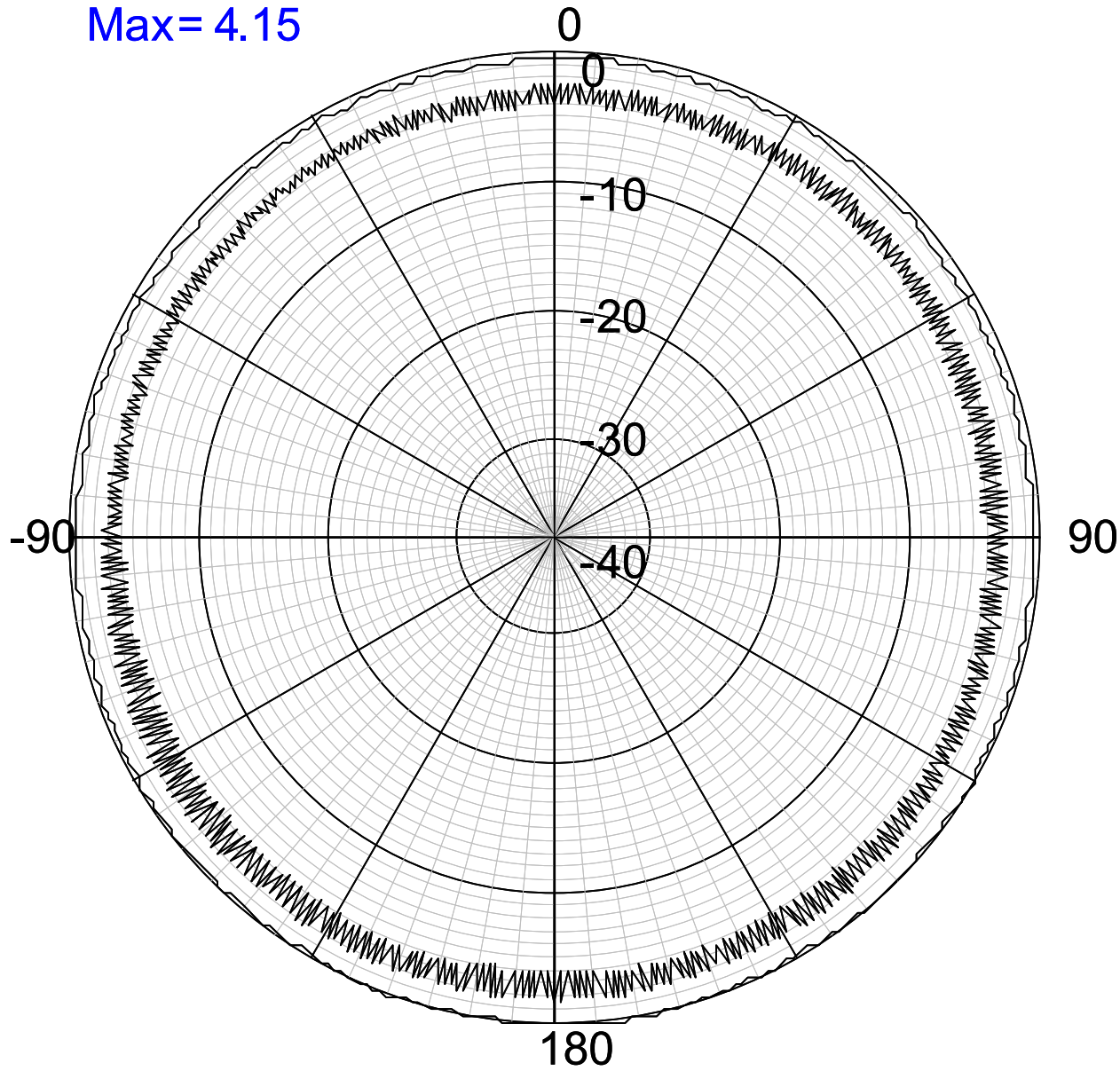
EI = 45 deg

Max= 3.51



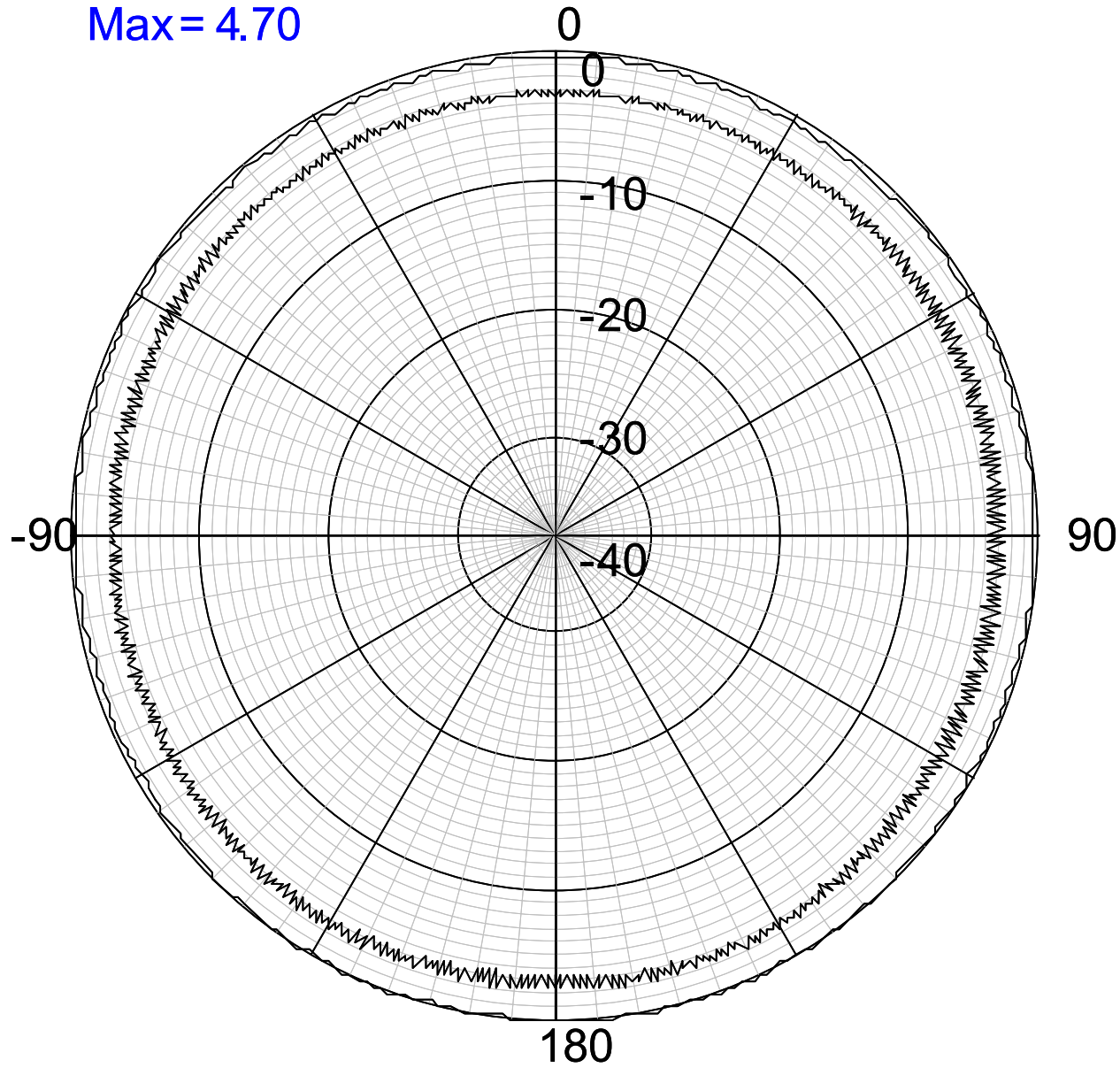
El = 60 deg

Max= 4.15



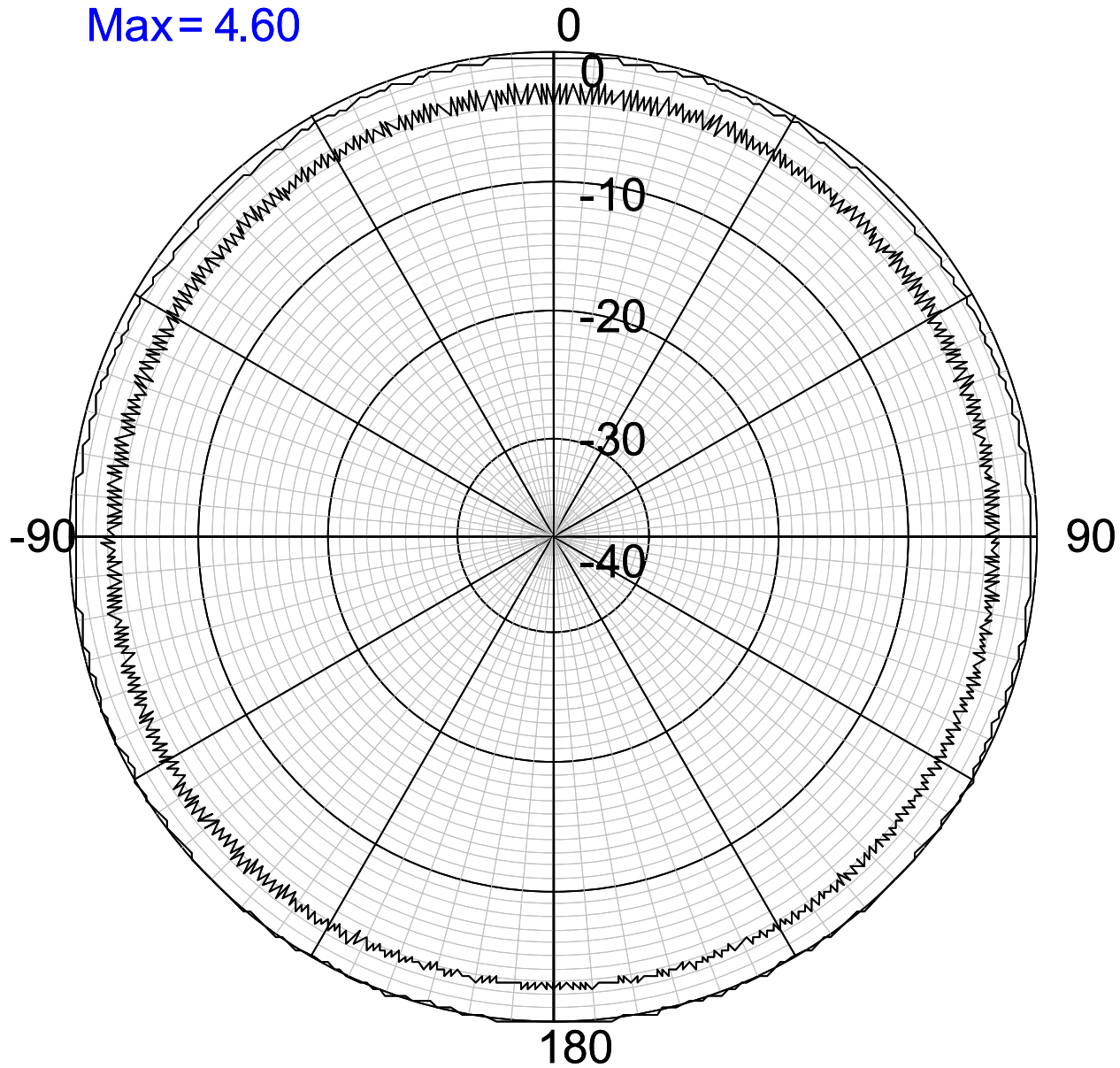
El = 70 deg

Max = 4.70



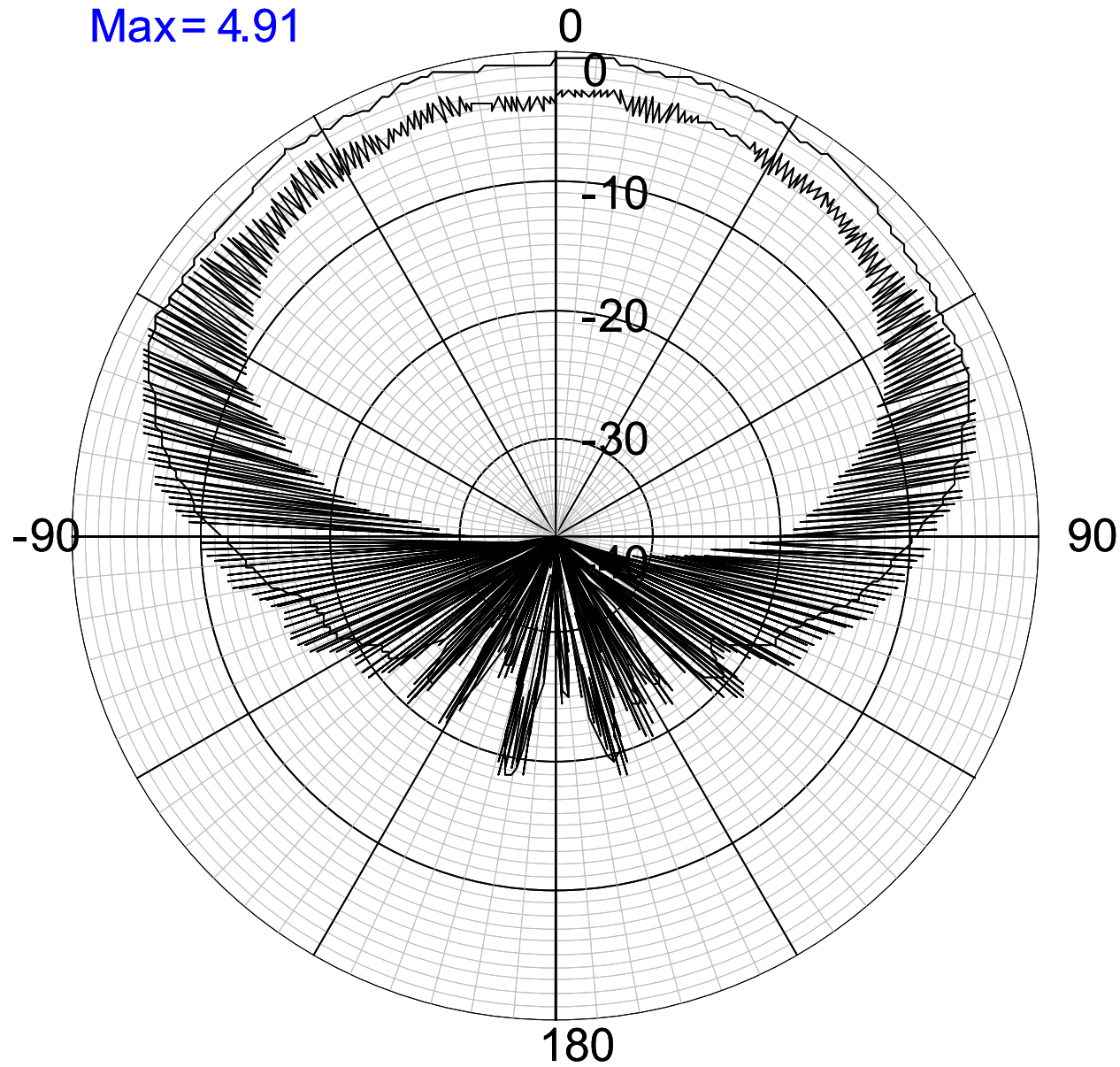
EI = 80 deg

Max= 4.60



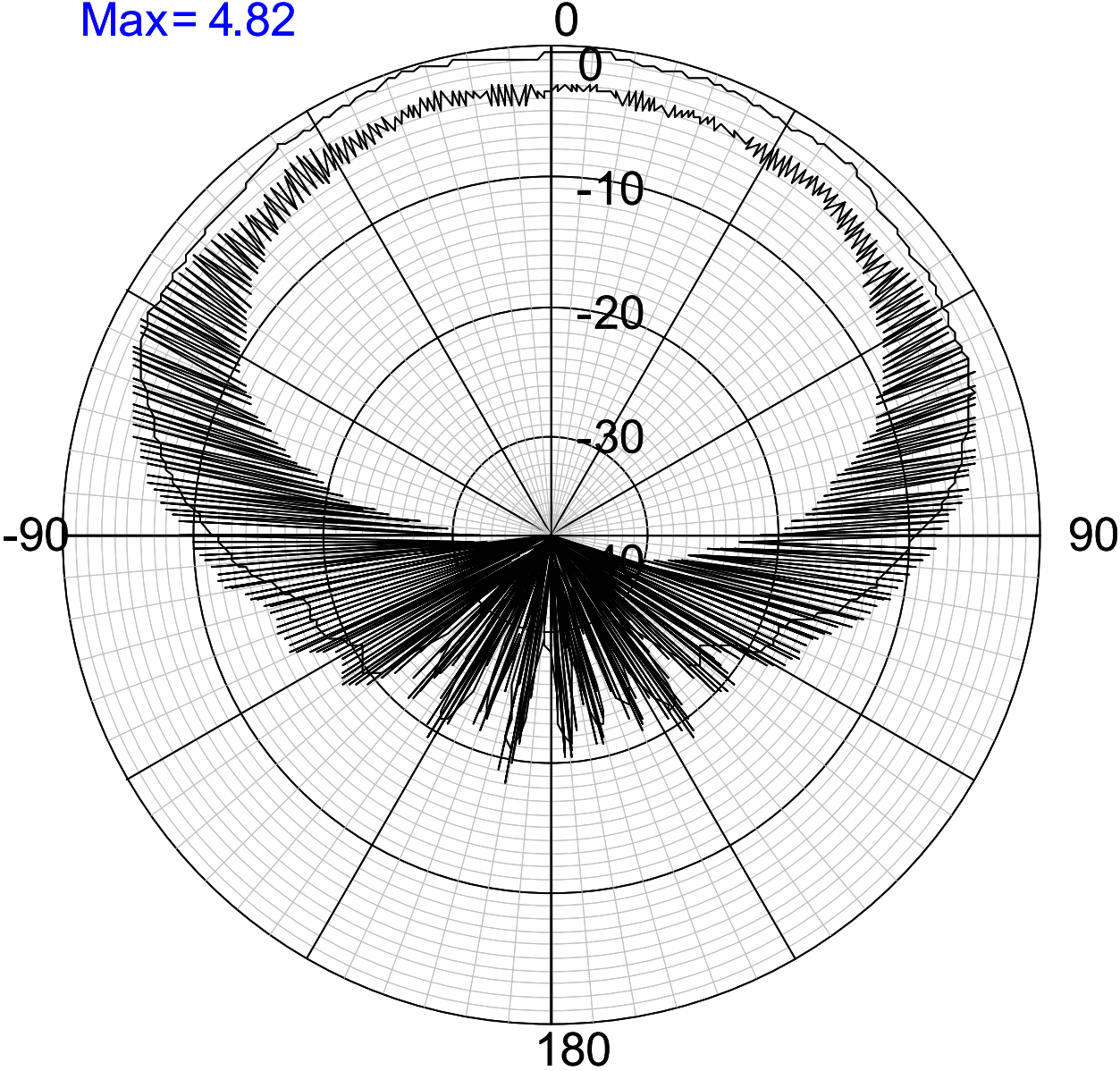
Az = 0 deg

Max= 4.91



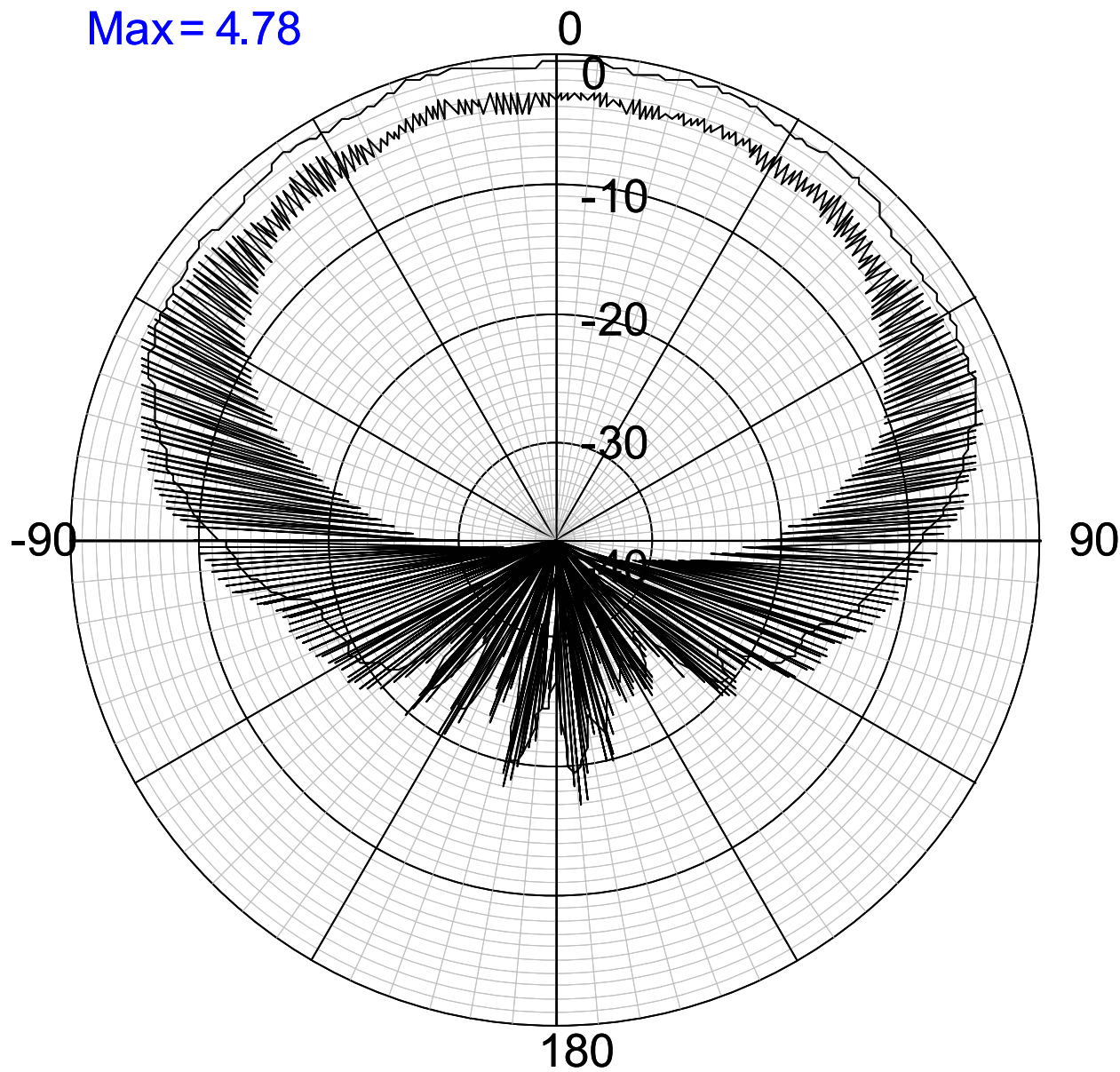
Az = 30 deg

Max= 4.82



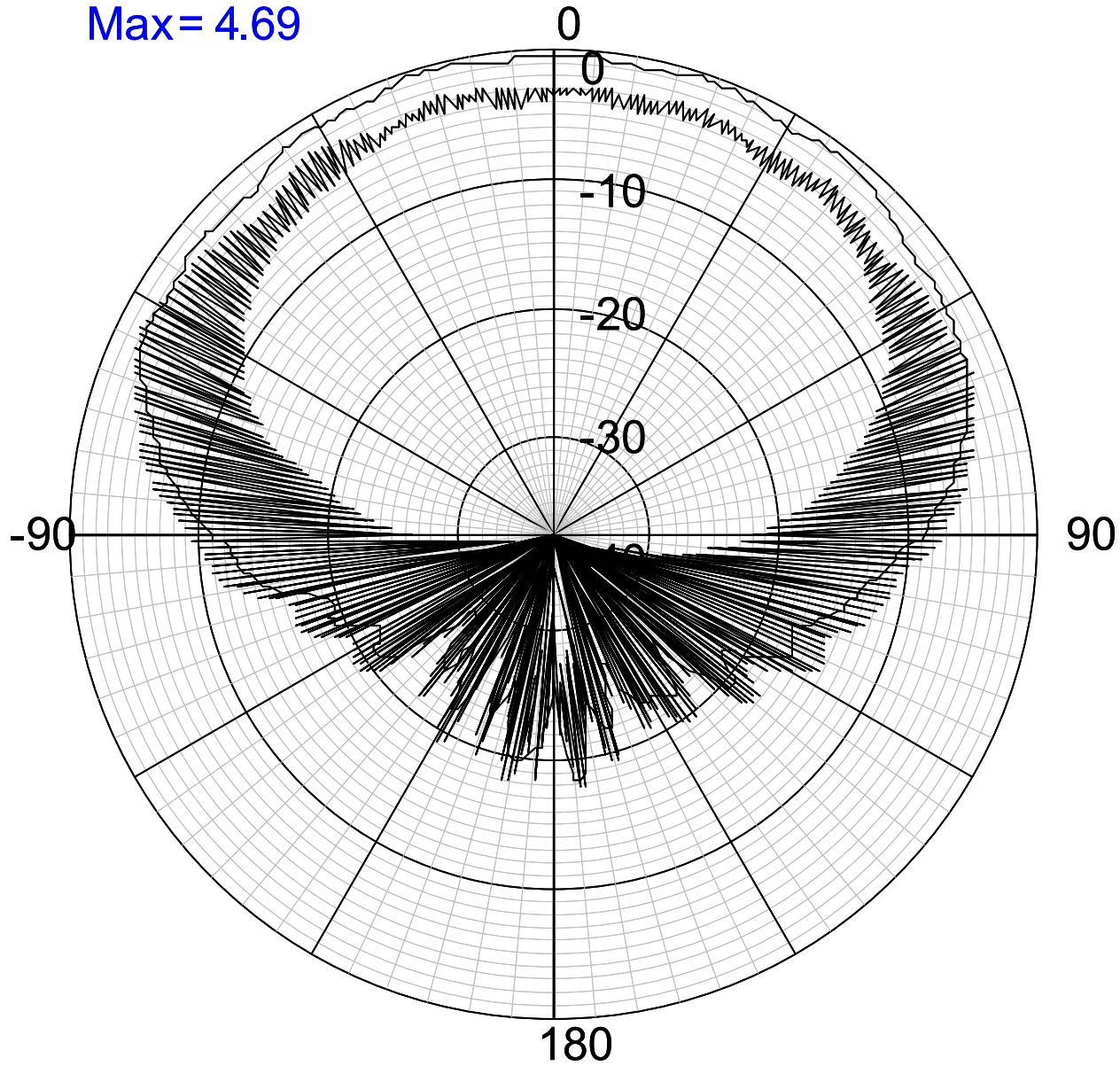
Az = 45 deg

Max = 4.78



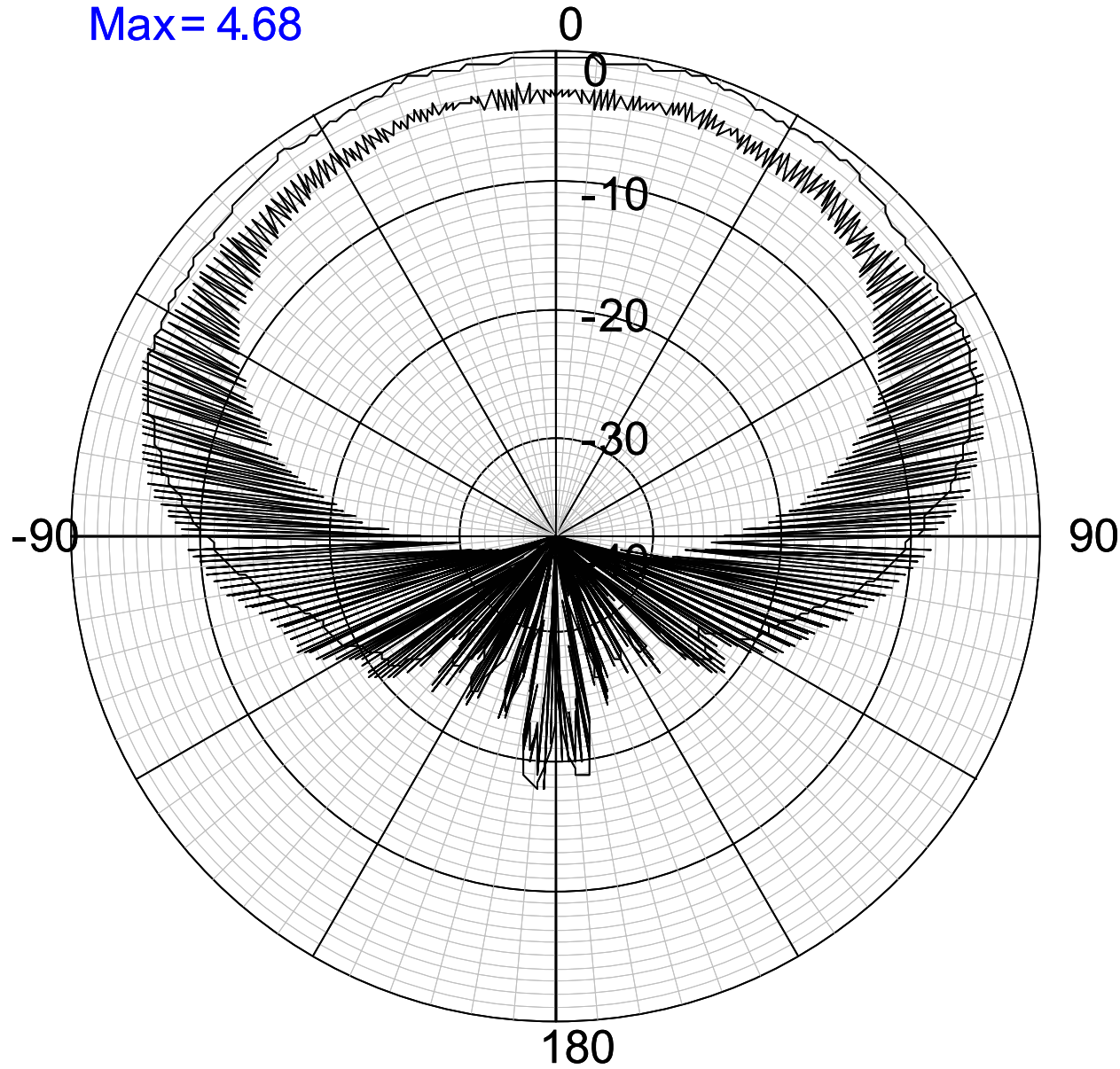
Az = 60 deg

Max= 4.69



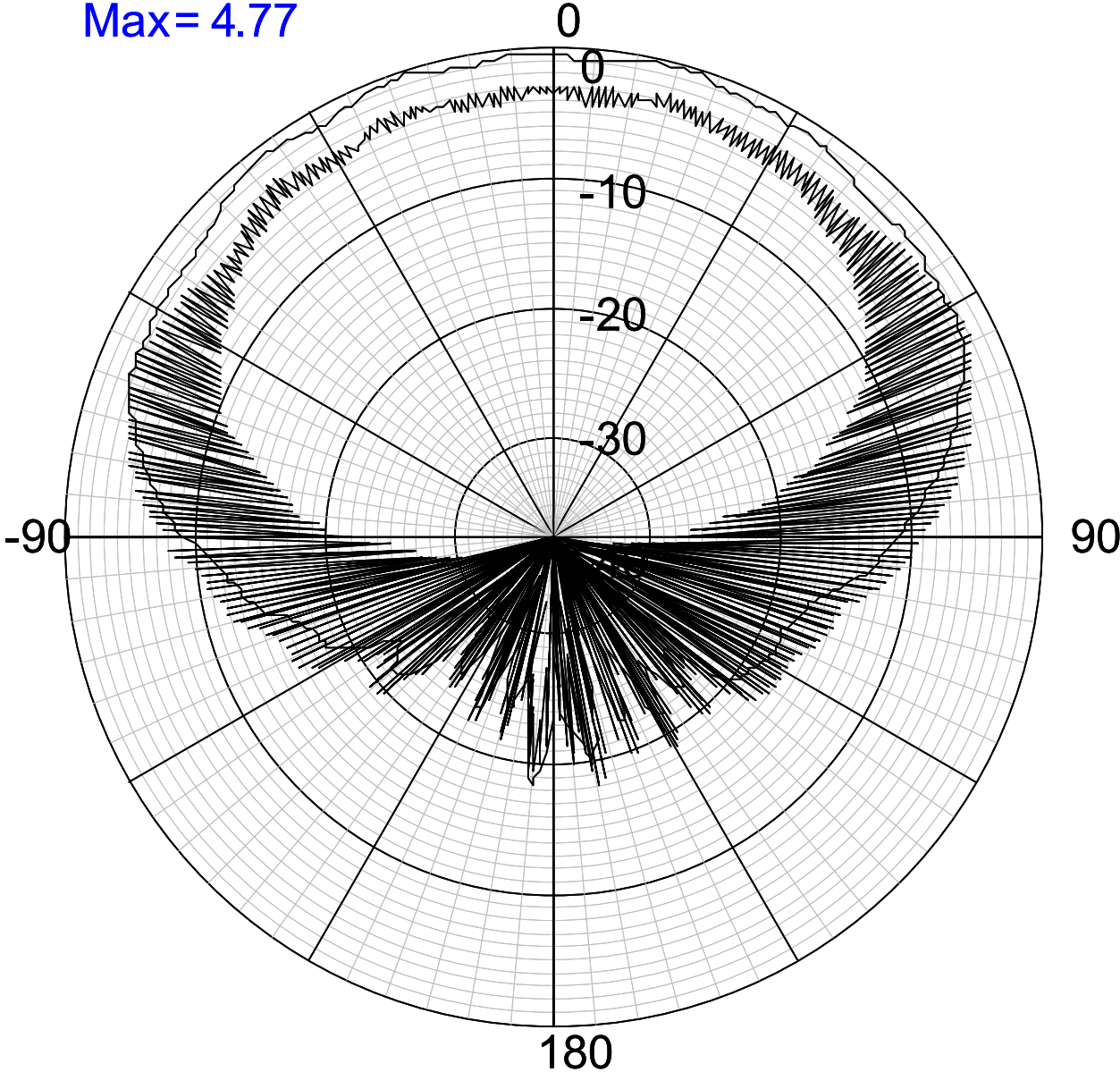
Az = 90 deg

Max = 4.68



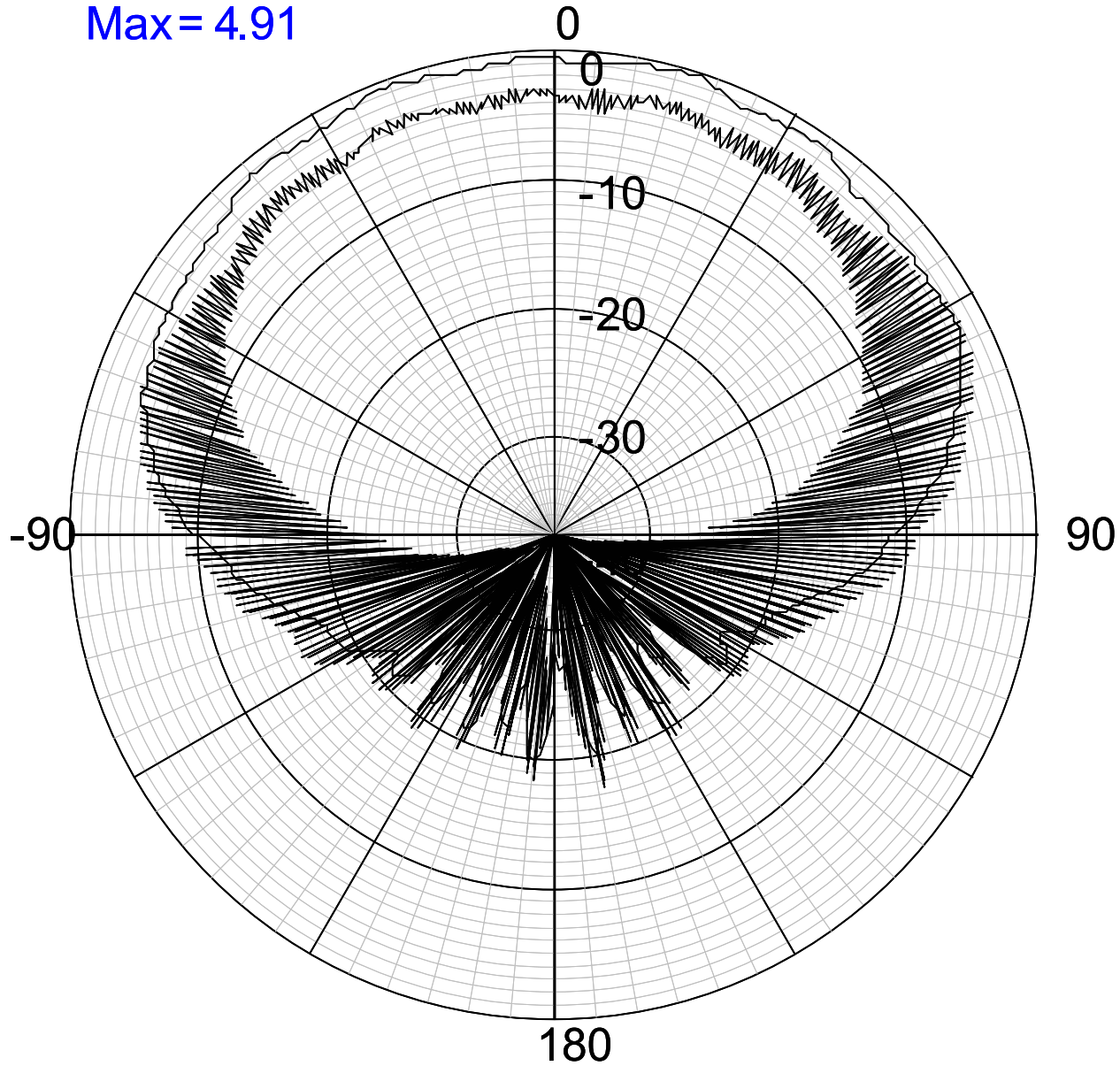
Az = 120 deg

Max= 4.77



Az = 135 deg

Max = 4.91



Az = 150 deg

Max= 5.01

