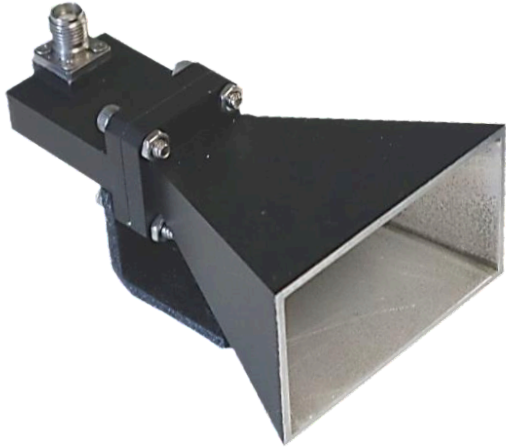


EM-7104| Antenna, Standard Gain Horn, Passive, Directional



Description

The EM-7104 Standard Gain Horn is a WR-28 waveguide-based Ka-band antenna featuring high gain and stable beamwidth across its frequency range.

The EM-7104 is based on the standard WR-28 waveguide and features a detachable UG599/U flange mount, which allows for the horn flare and coax-to-waveguide adapter to be used separately.

Each EM-7104 comes standard with NIST Traceable 1m gain and antenna factor calibration data.

Specifications

Electrical

Frequency Range:	26.5 GHz – 40 GHz
Polarization	Linear, Vertical
VSWR:	< 1.3:1 Typical
Impedance:	50Ω, Nominal
Gain:	17-21 dBi Nominal
3dB Beamwidth:	14° - 17° Typical Horizontal 14° - 20° Typical Vertical
Waveguide:	WR28
Connector:	Type 'K'

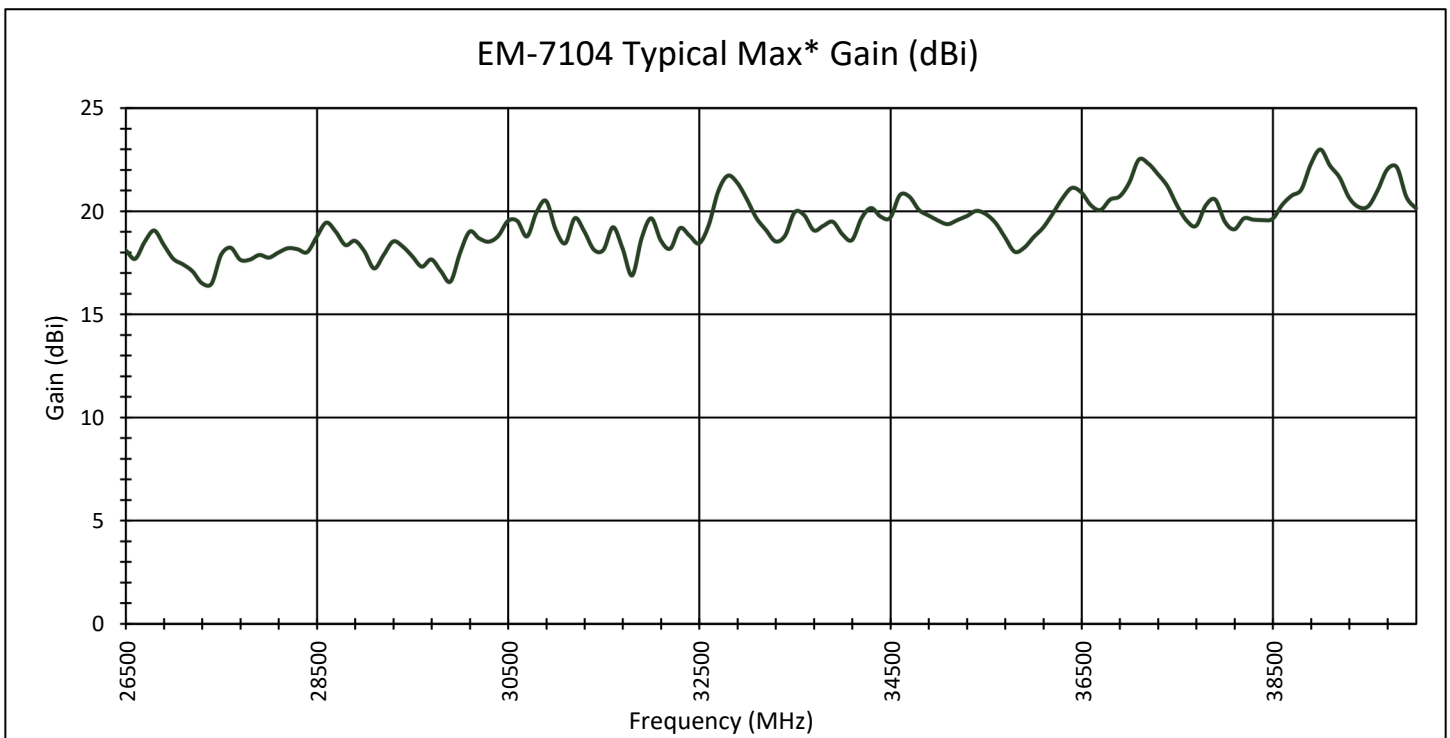
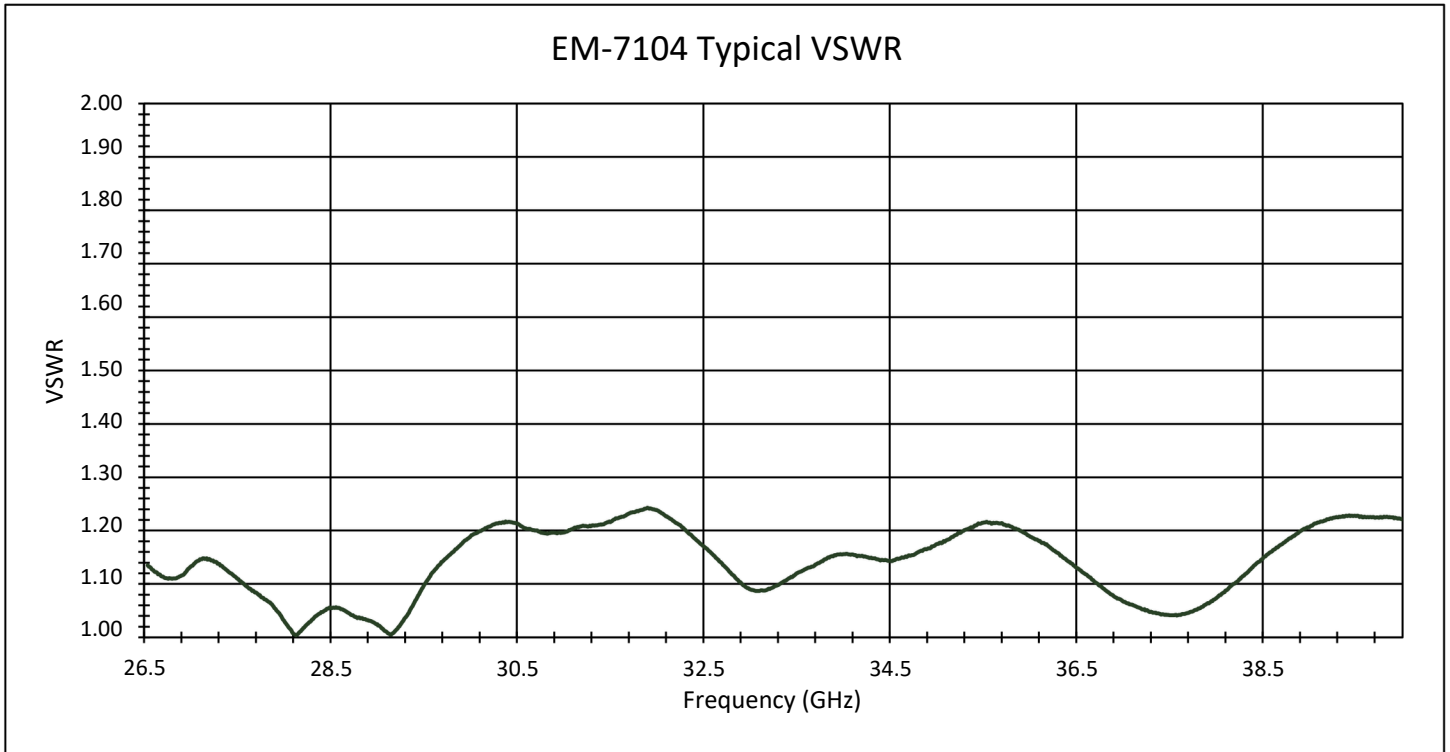
Mechanical

Dimensions:	Length: 7.2 cm (2.8") Width: 4.3 cm (0.7") Height: 2.7 cm (1.2") Weight: 45g (0.10 lbs.)
Mounting Options:	EM-7104: ¼ - 20 Vertical/Horizontal mount EM-7104A: WR-28 Coax-to-waveguide Adapter EM-7104B: WR-28 20dBi Gain Horn Flare
Color Options:	<ul style="list-style-type: none"> • Black • Custom colors available upon request

Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.



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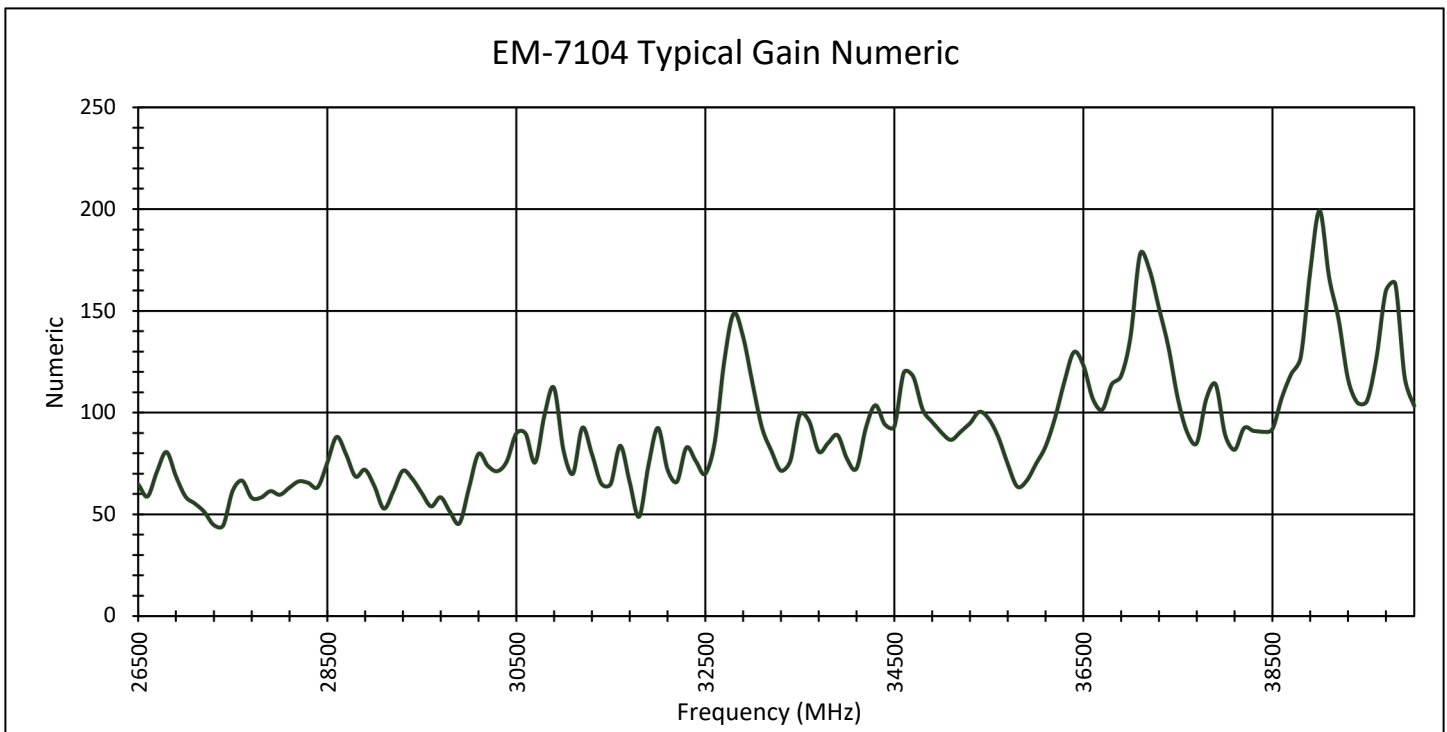
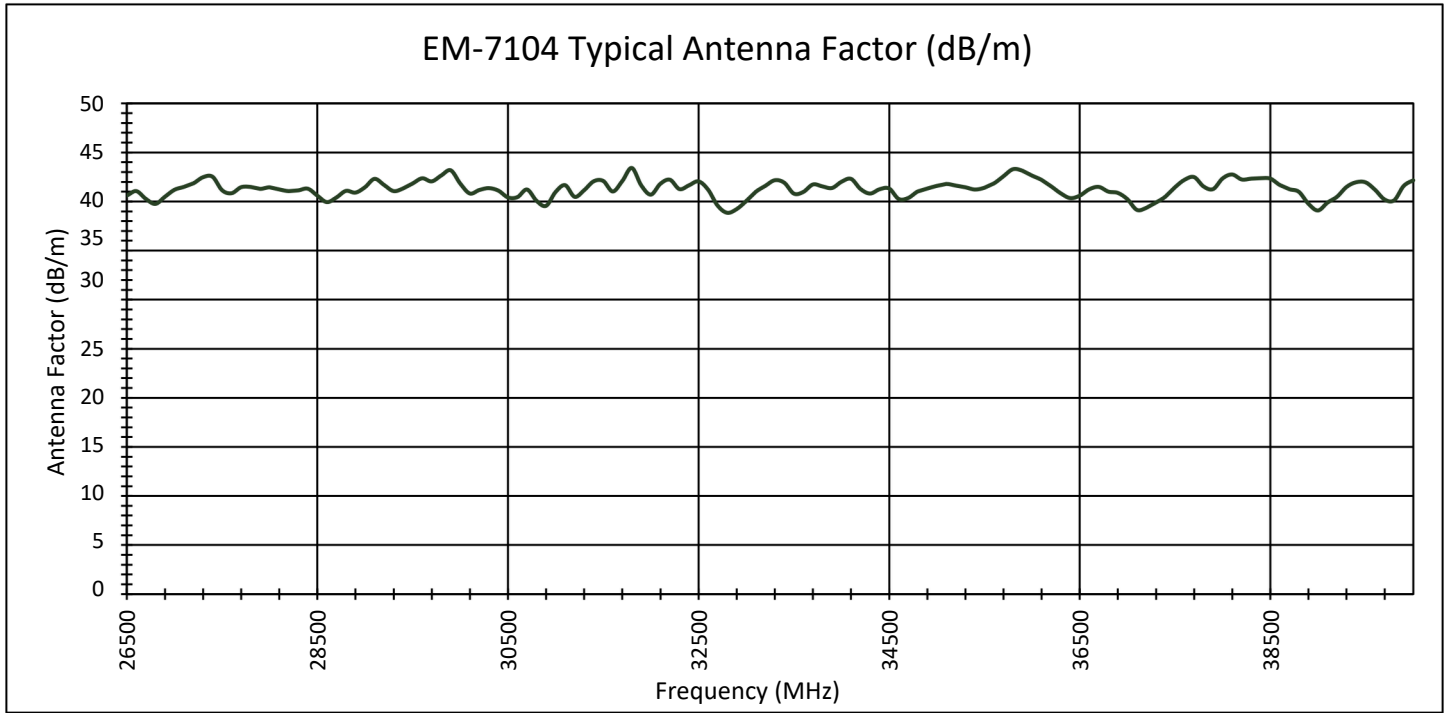


*Maximum Gain determined from scans at all radiation angles and elevations.
Data shown is typical, not guaranteed.

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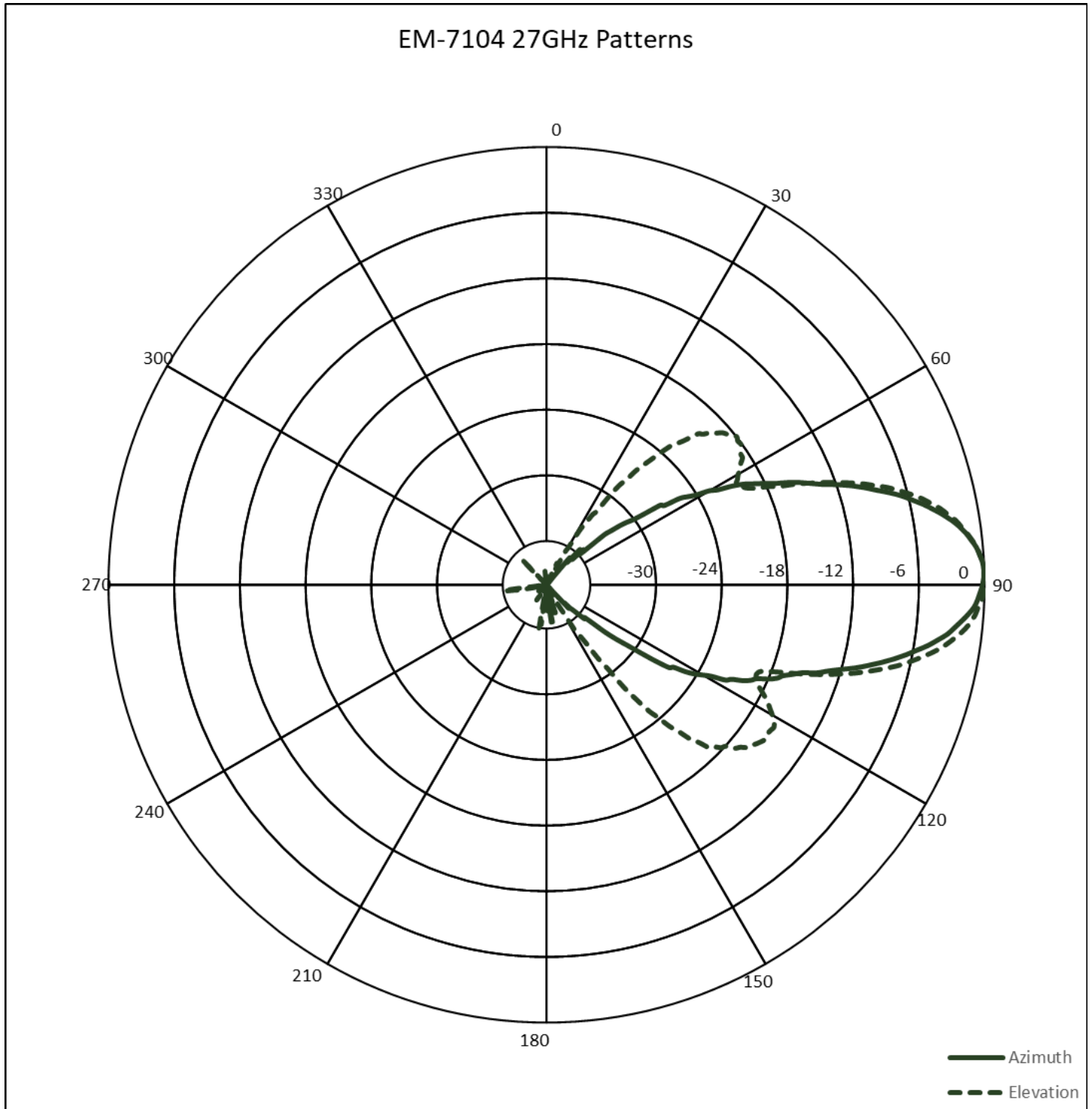


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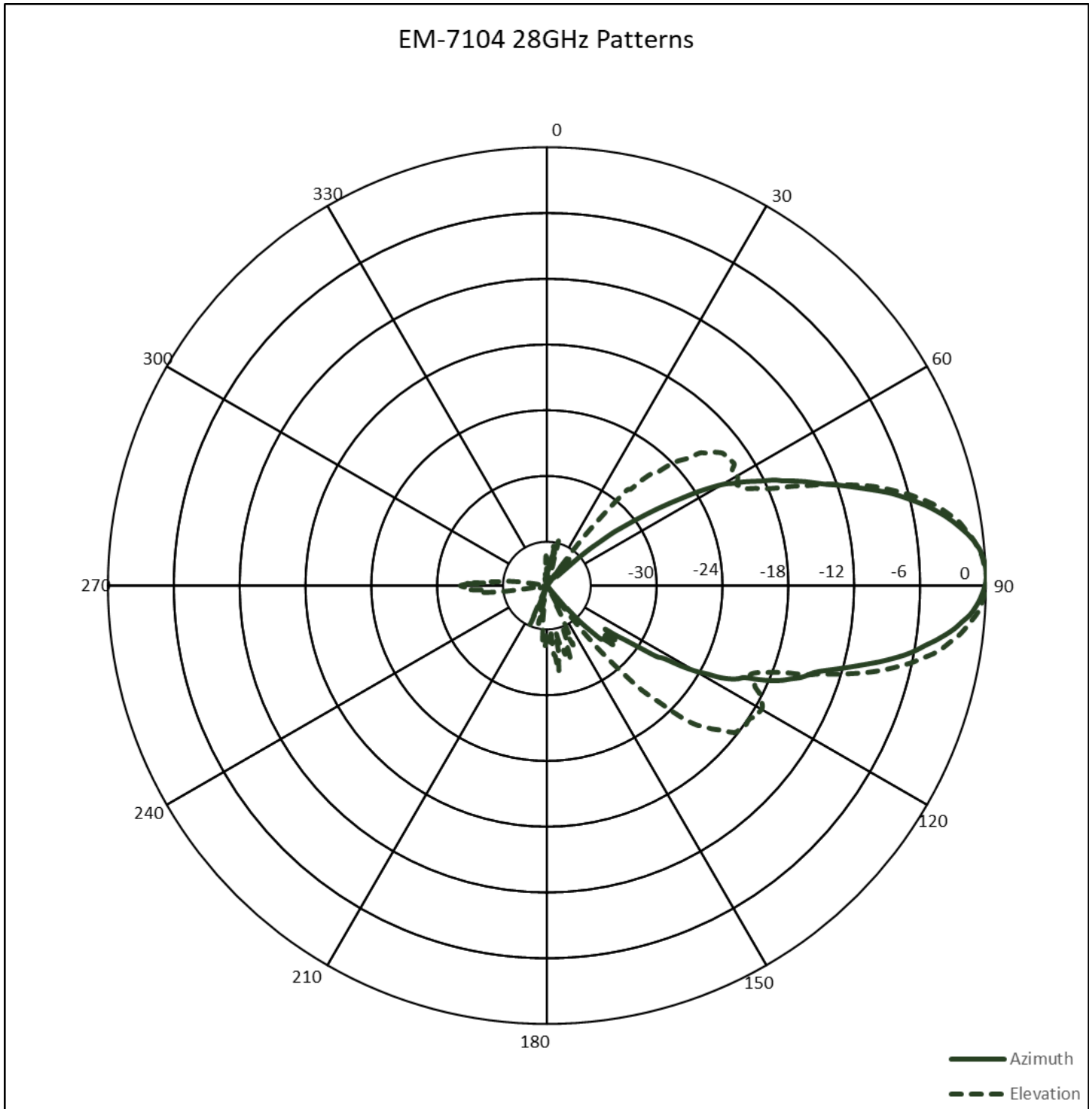
Scale: 6dB/Division.

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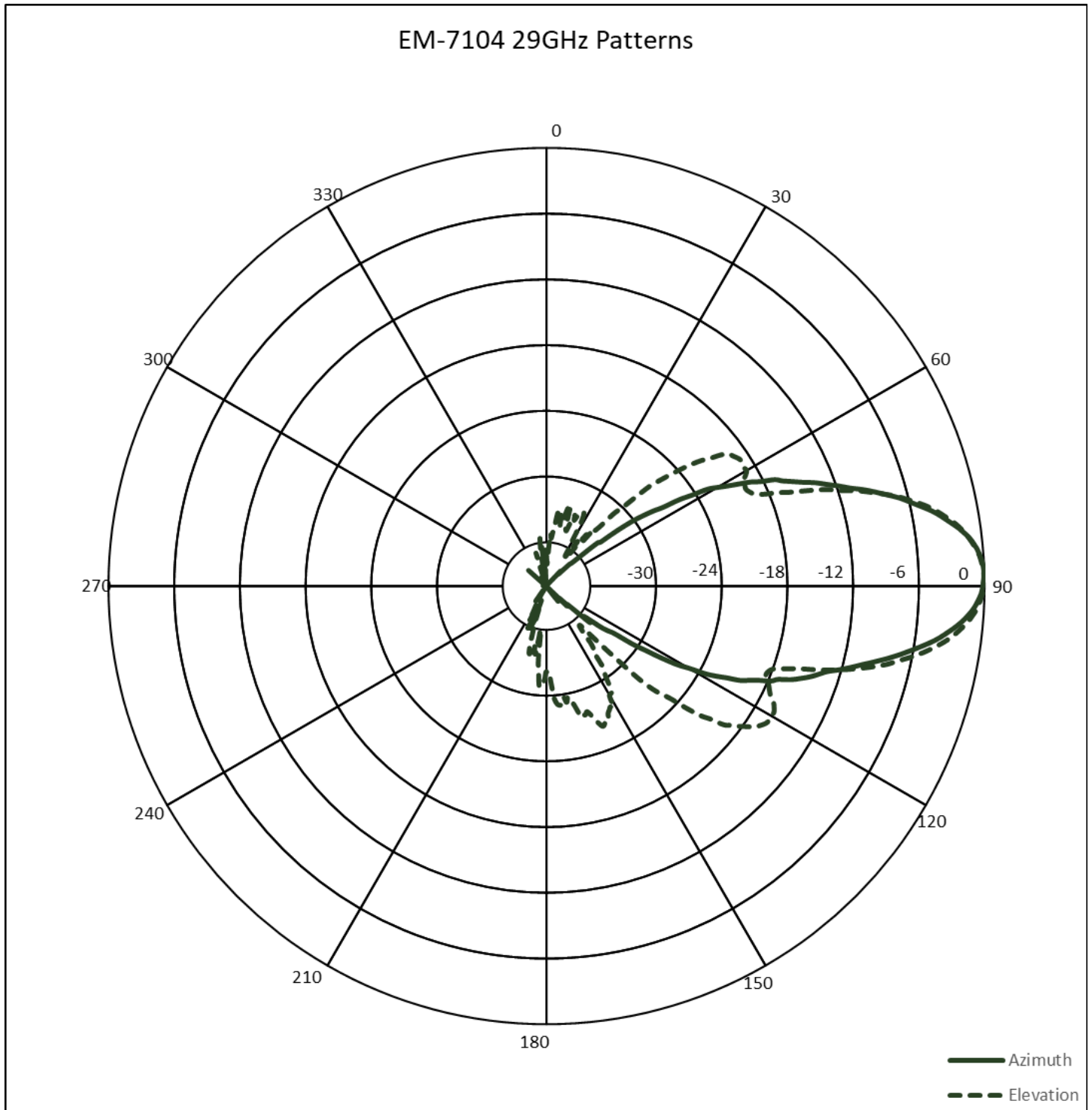
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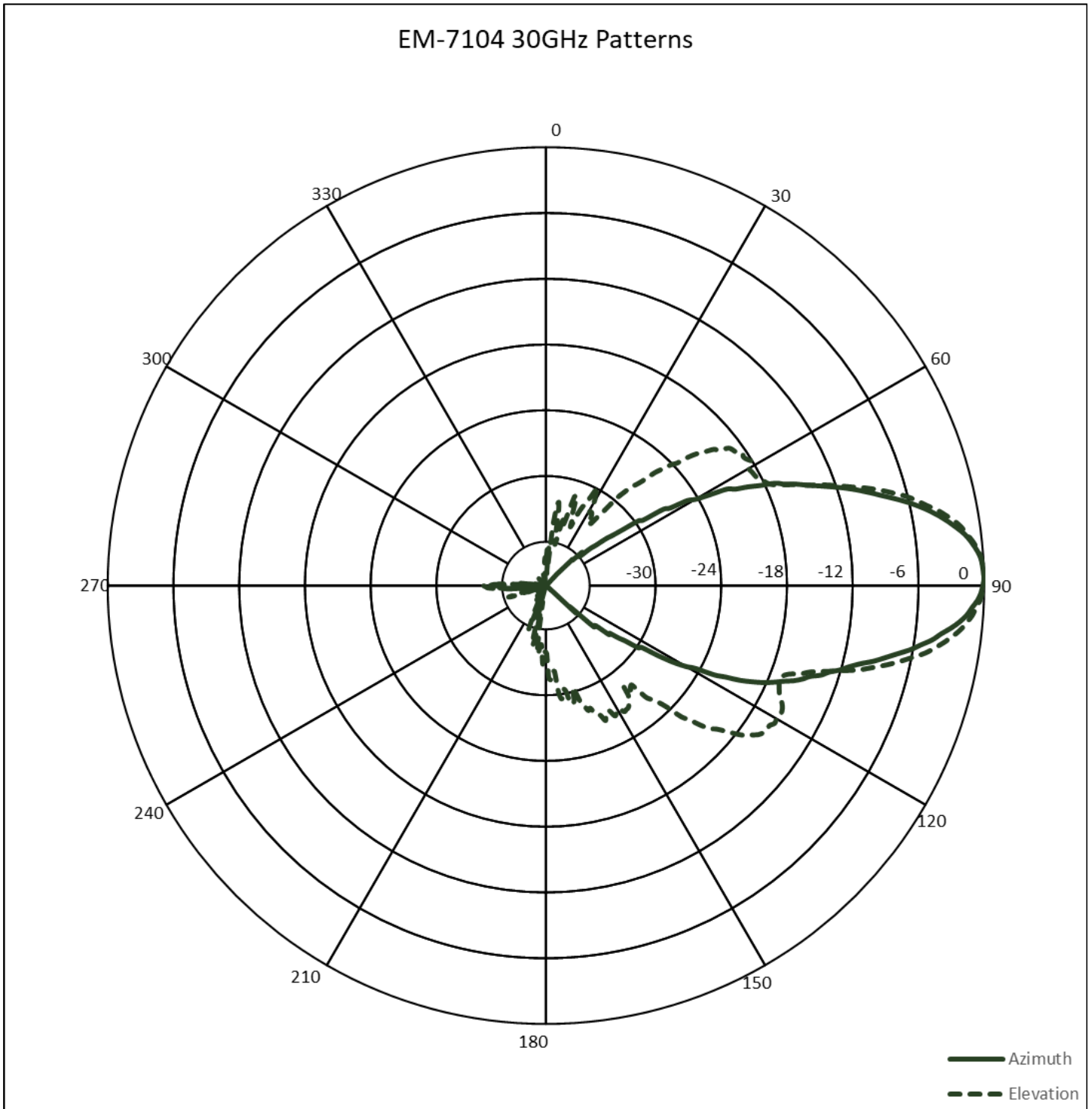
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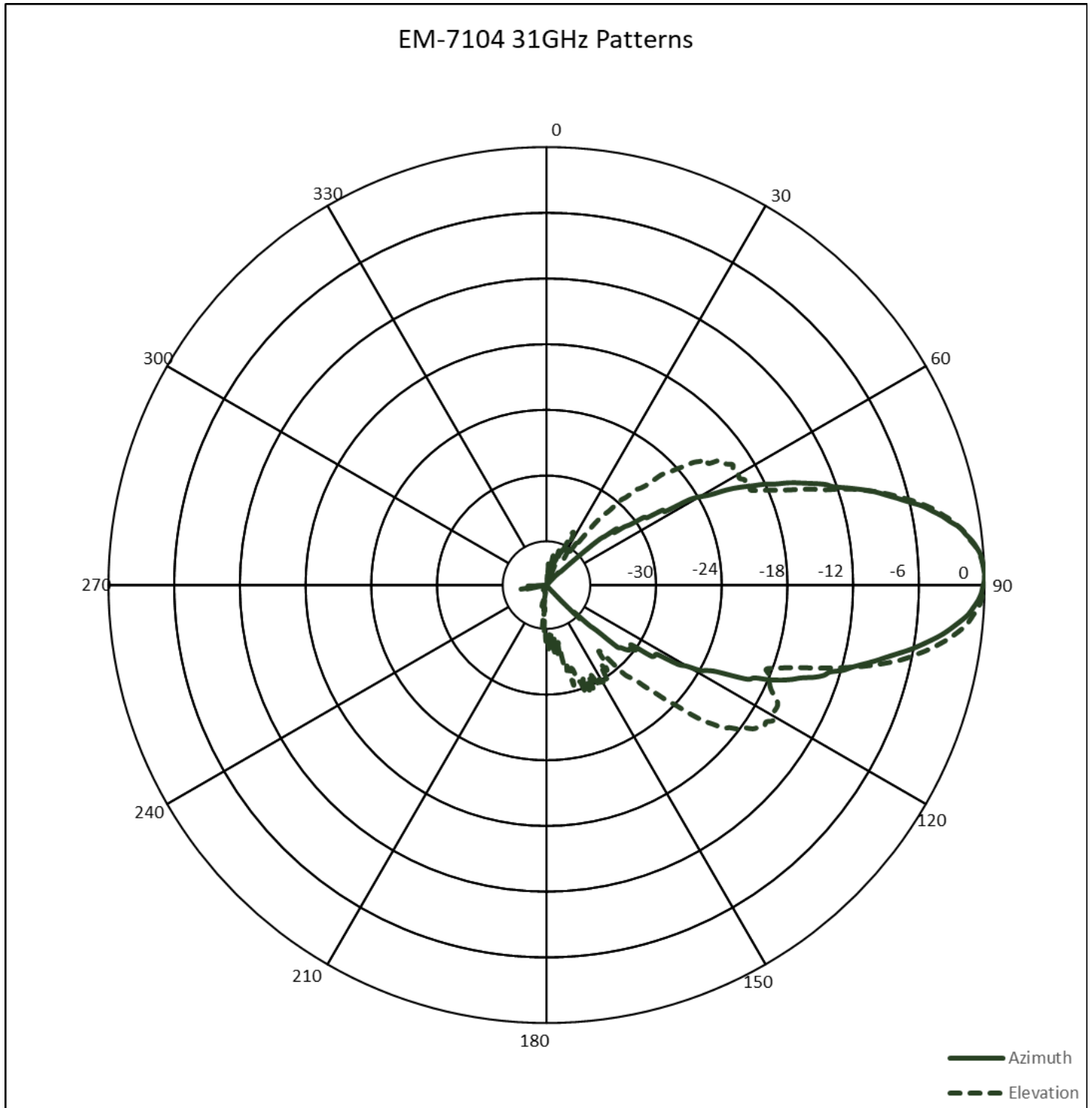
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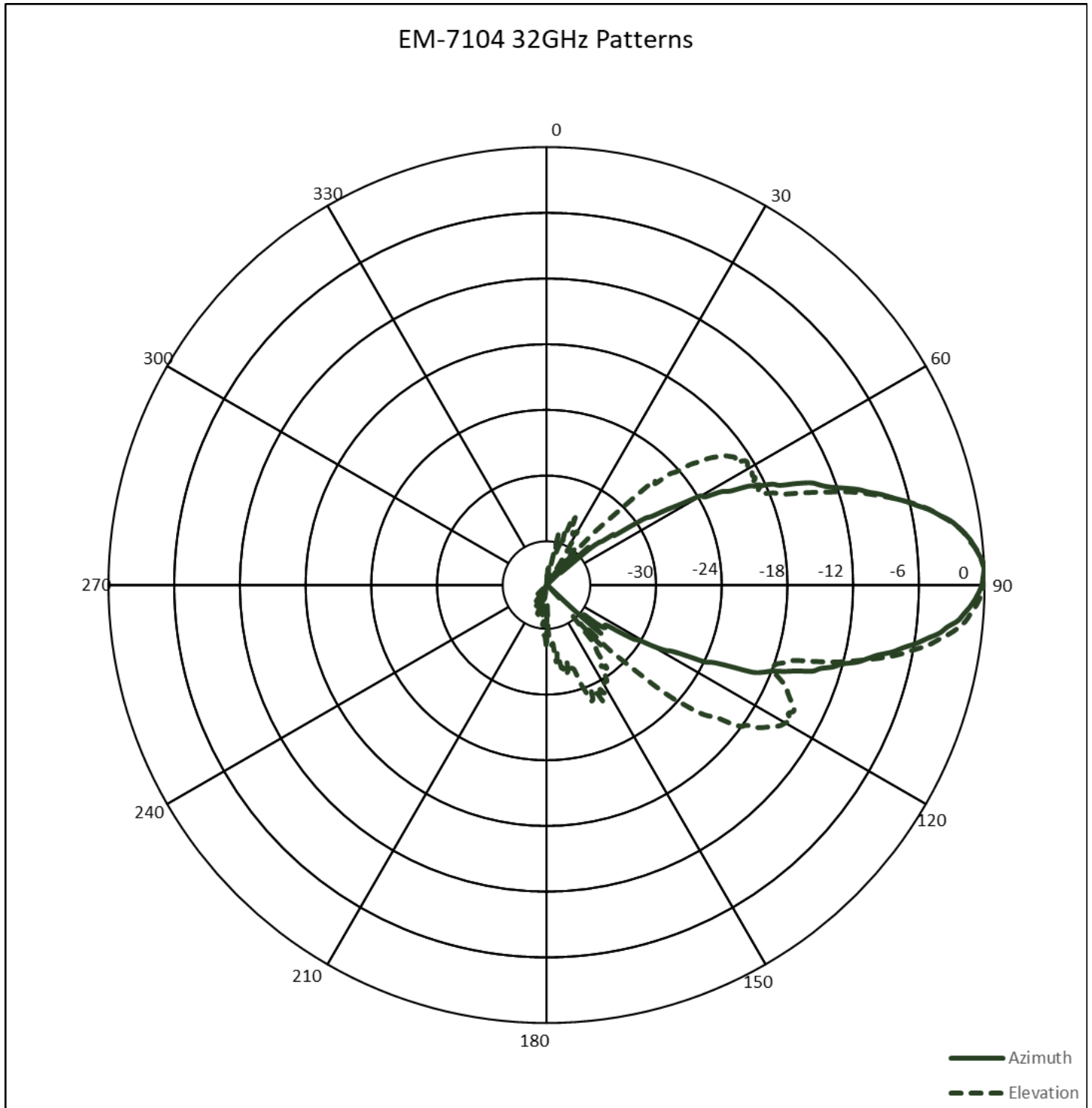
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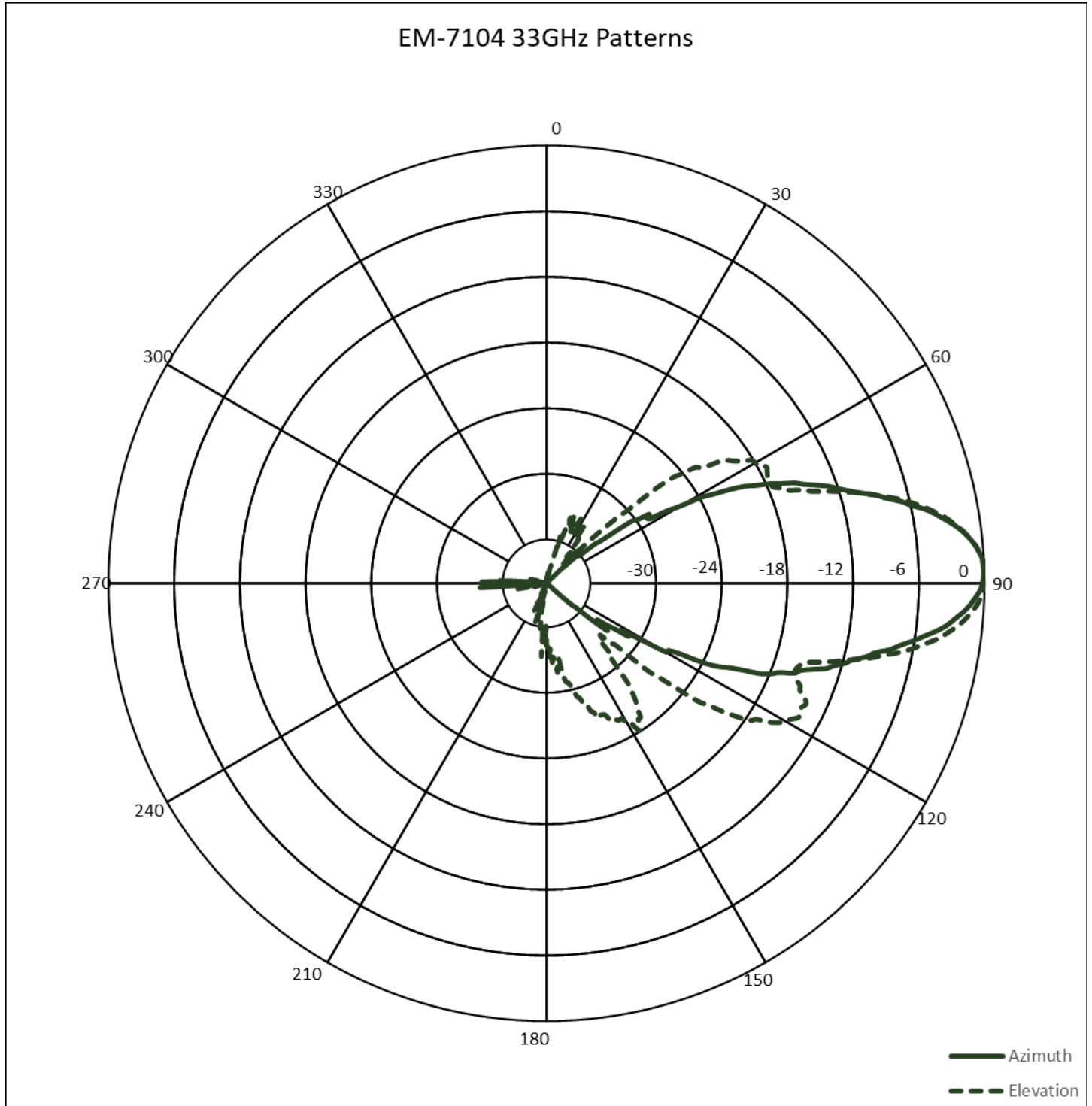
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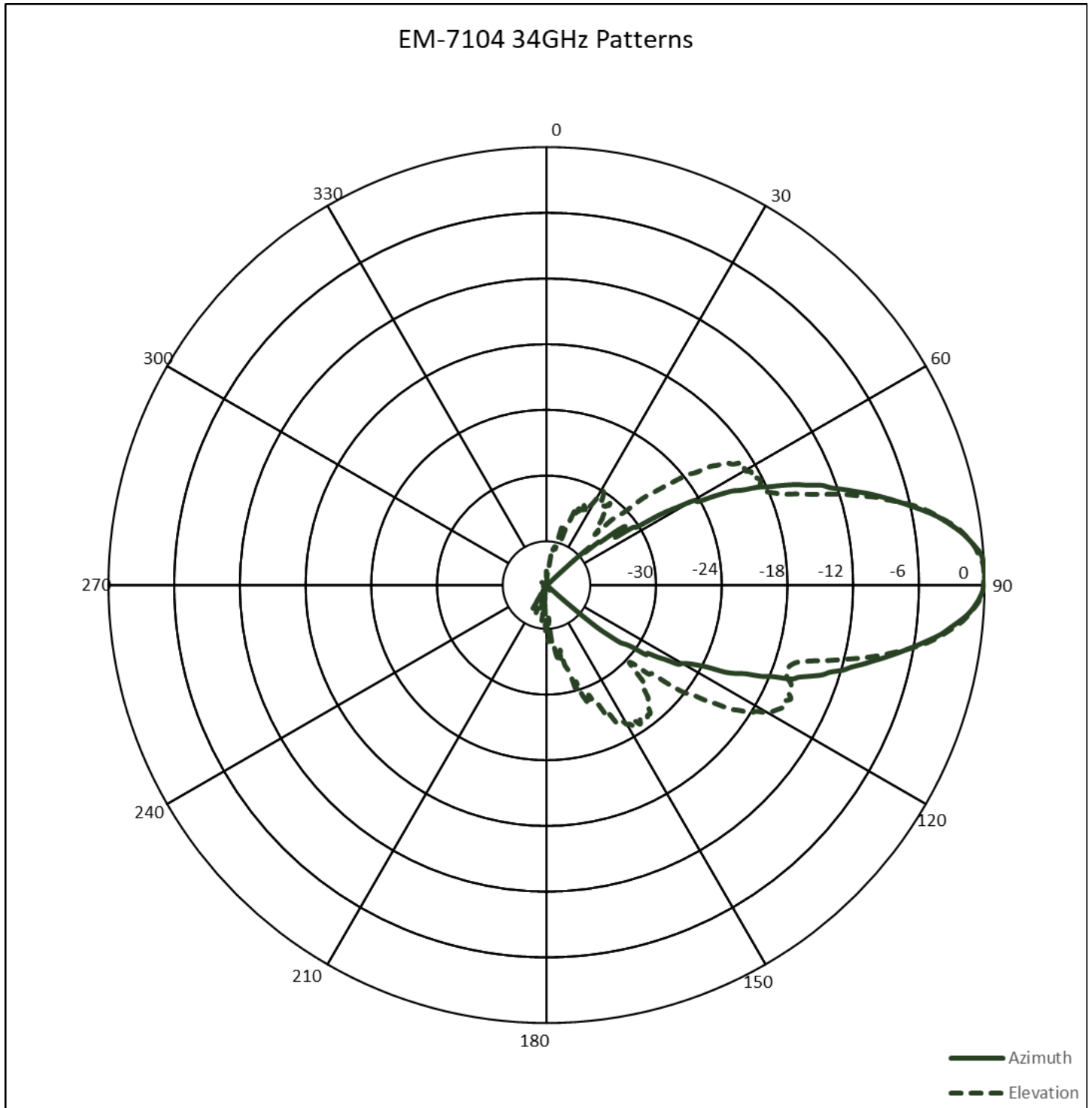
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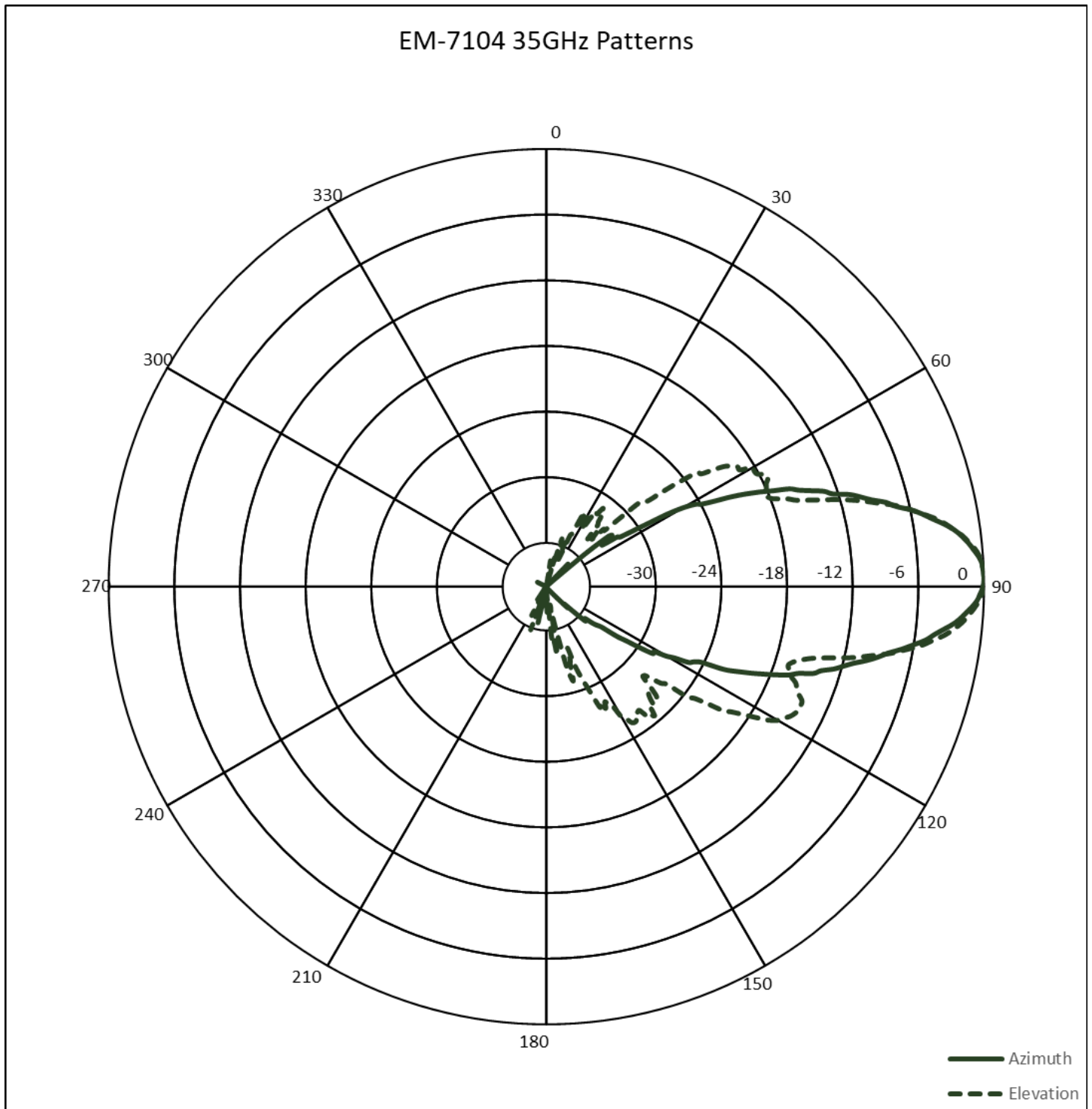
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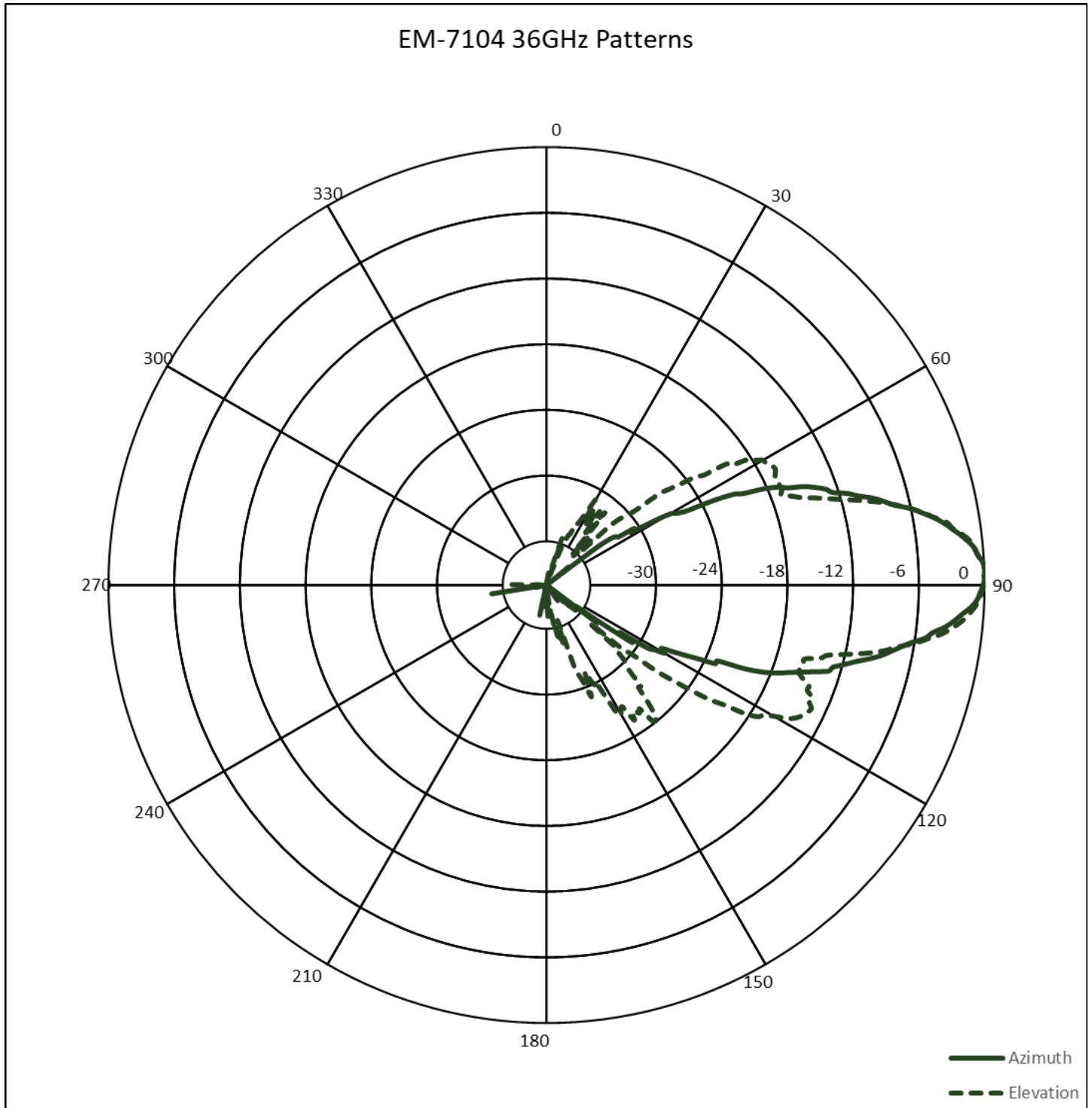
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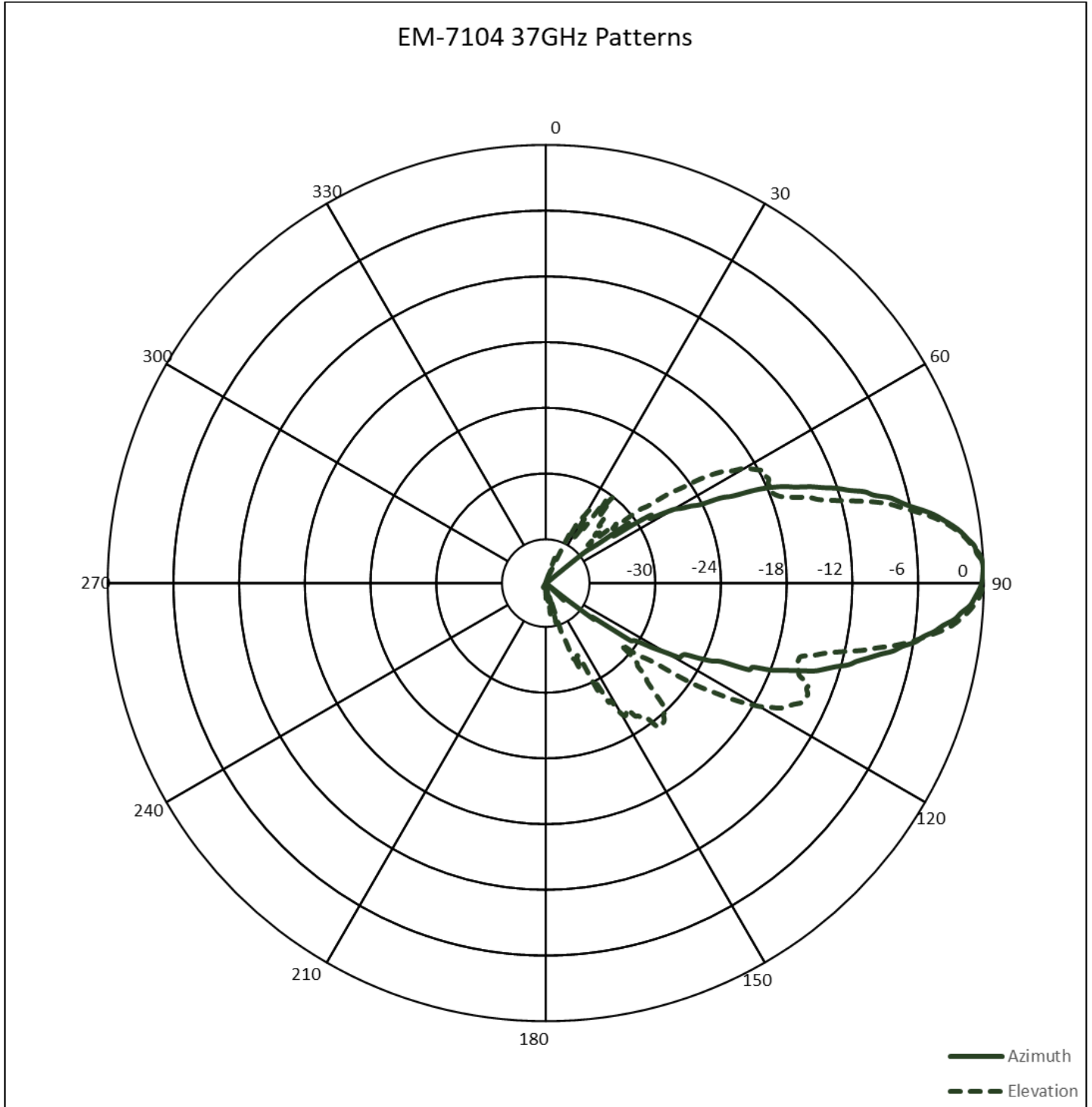
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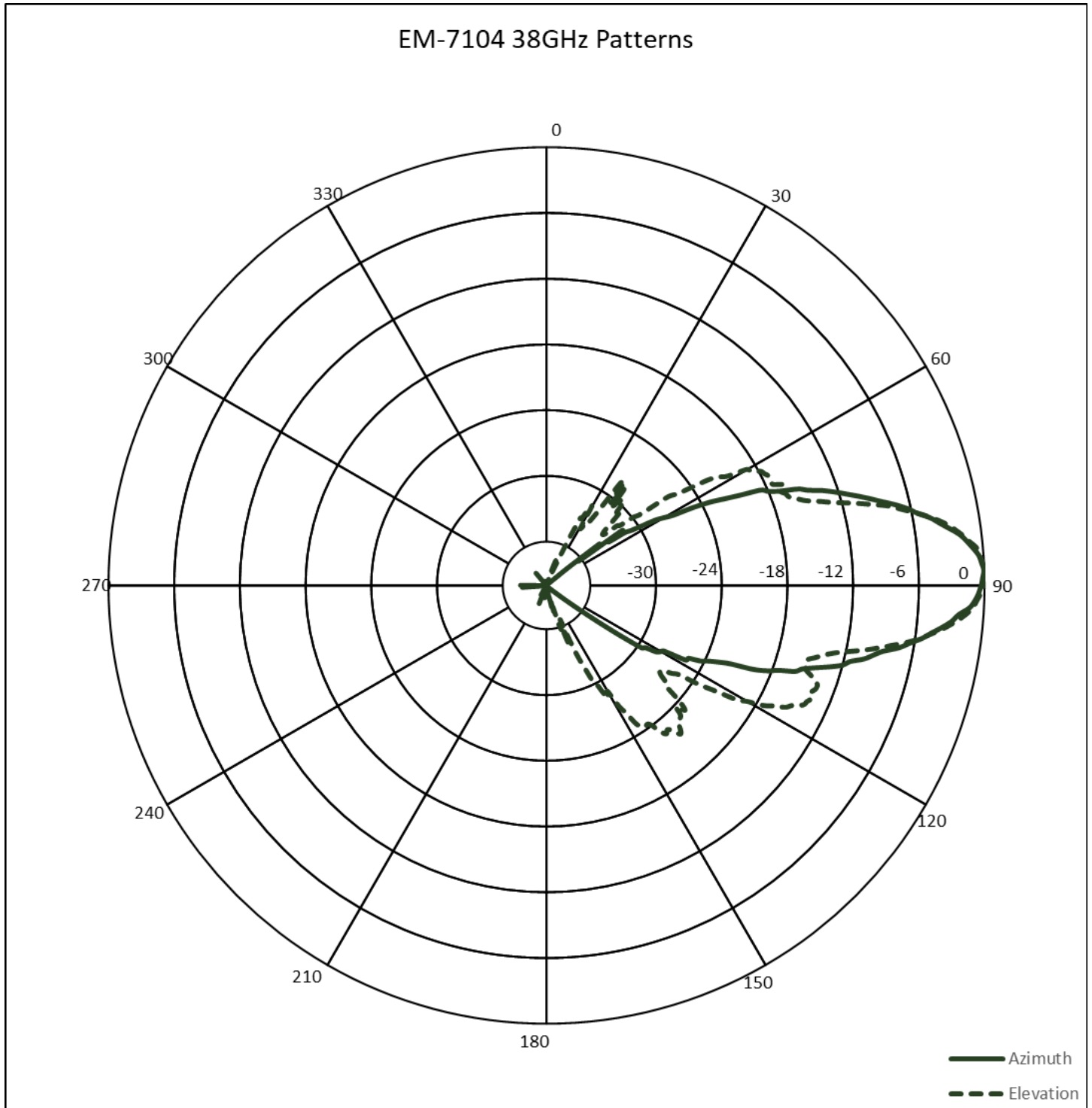
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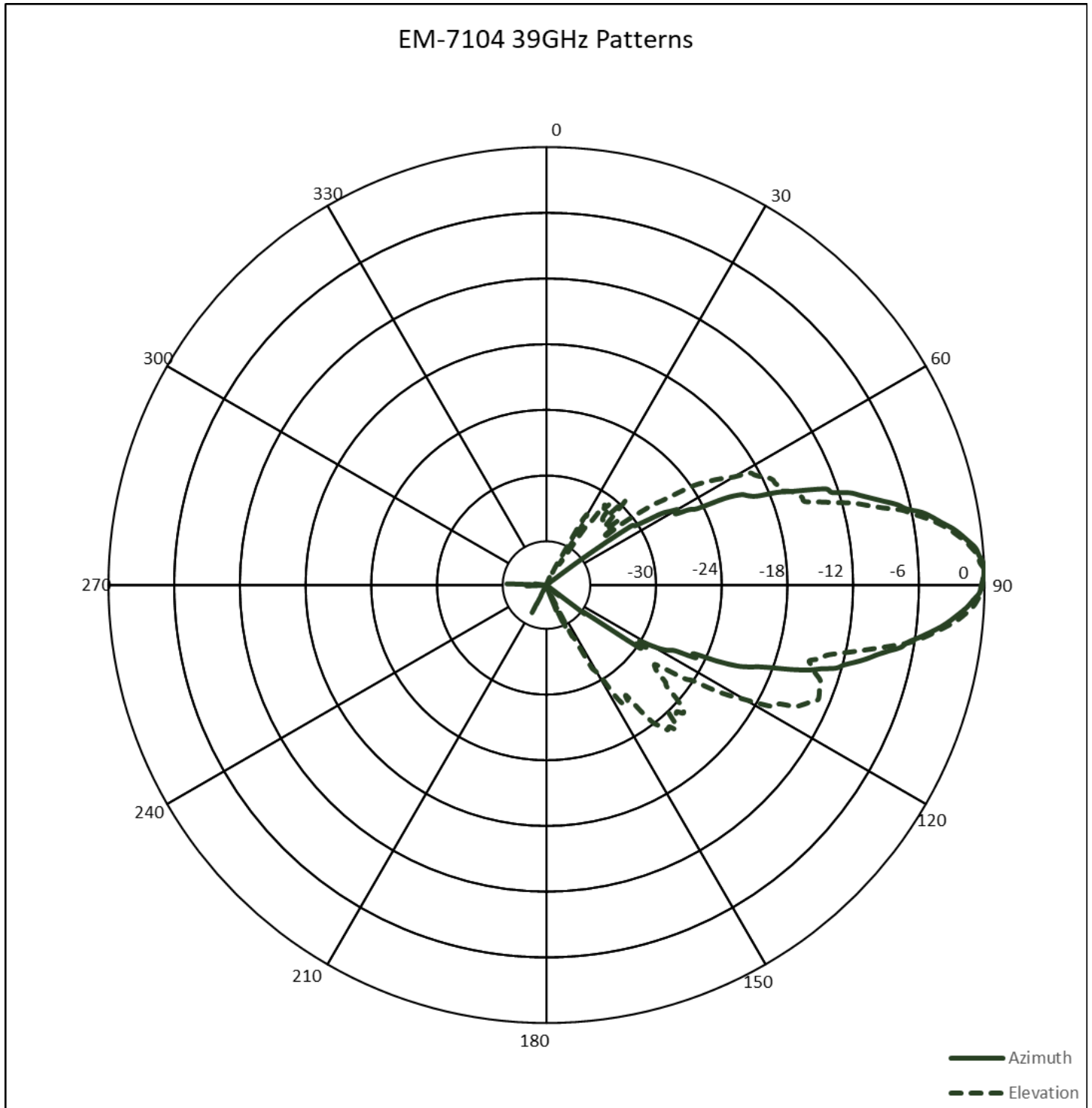
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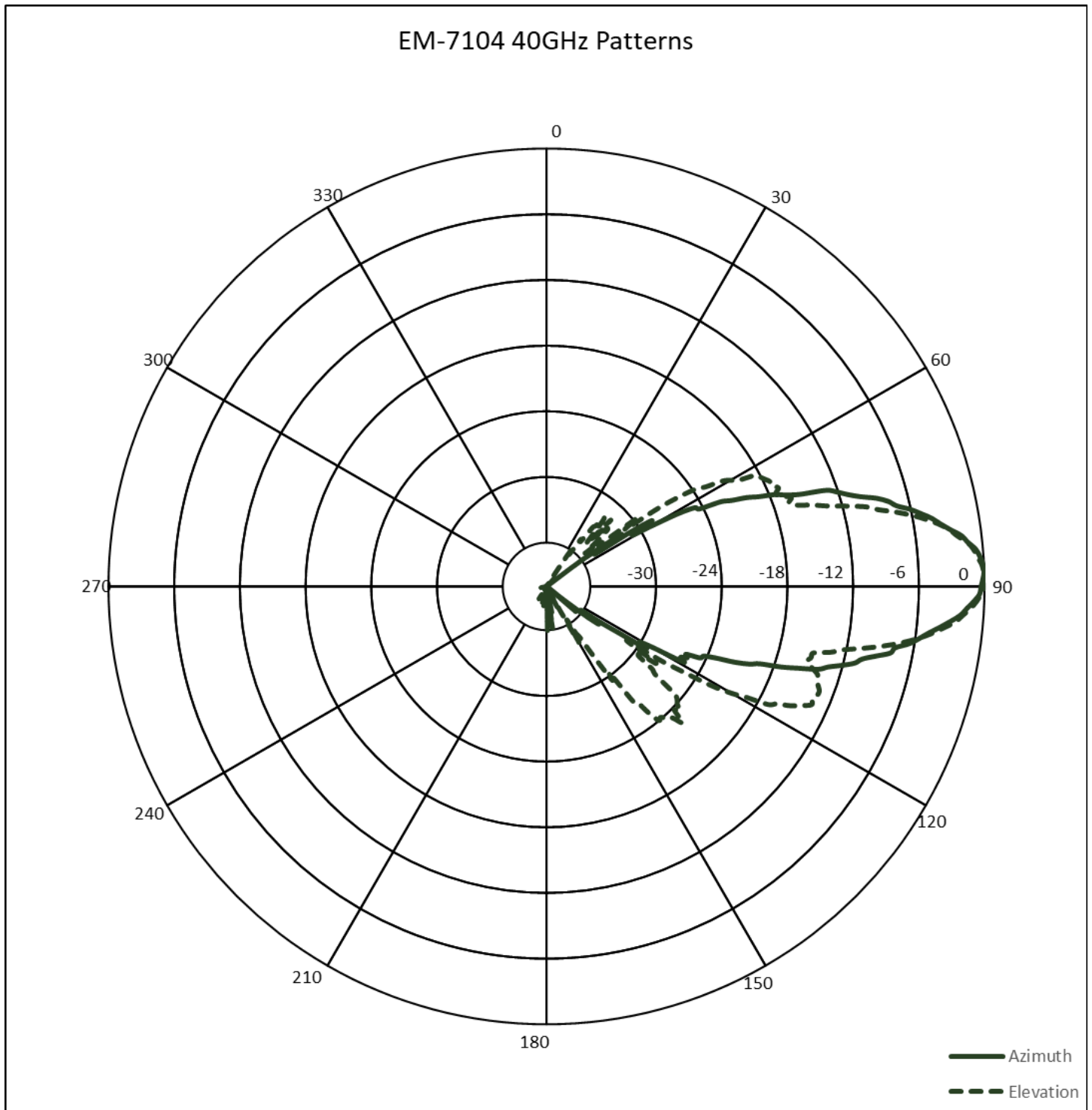
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