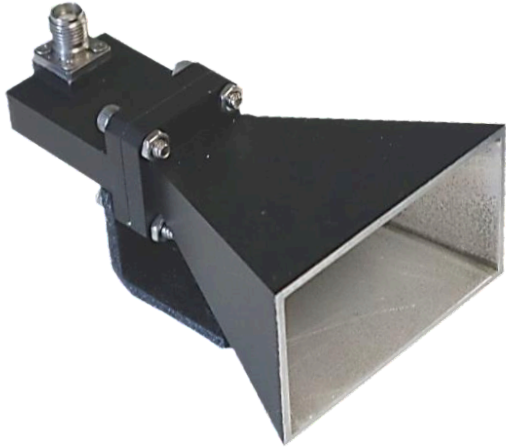


EM-7103 | Antenna, Standard Gain Horn, Passive, Directional



Description

The EM-7103 Standard Gain Horn is a WR-42 waveguide-based K-band antenna featuring high gain and stable beamwidth across its frequency range.

The EM-7103 is based on the standard WR-42 waveguide and features a detachable UG595/U flange mount, which allows for the horn flare and coax-to-waveguide adapter to be used separately.

Each EM-7103 comes standard with NIST Traceable 1m gain and antenna factor calibration data.

Specifications

Electrical

Frequency Range:	18 GHz – 26.5 GHz
Polarization	Linear, Vertical
VSWR:	>1.3:1 Typical
Impedance:	50Ω, Nominal
Gain:	15-18 dBi Nominal
3dB Beamwidth:	24° - 11° Typical Azimuth 27° - 16° Typical Elevation
Waveguide:	WR42
Connector:	SMA

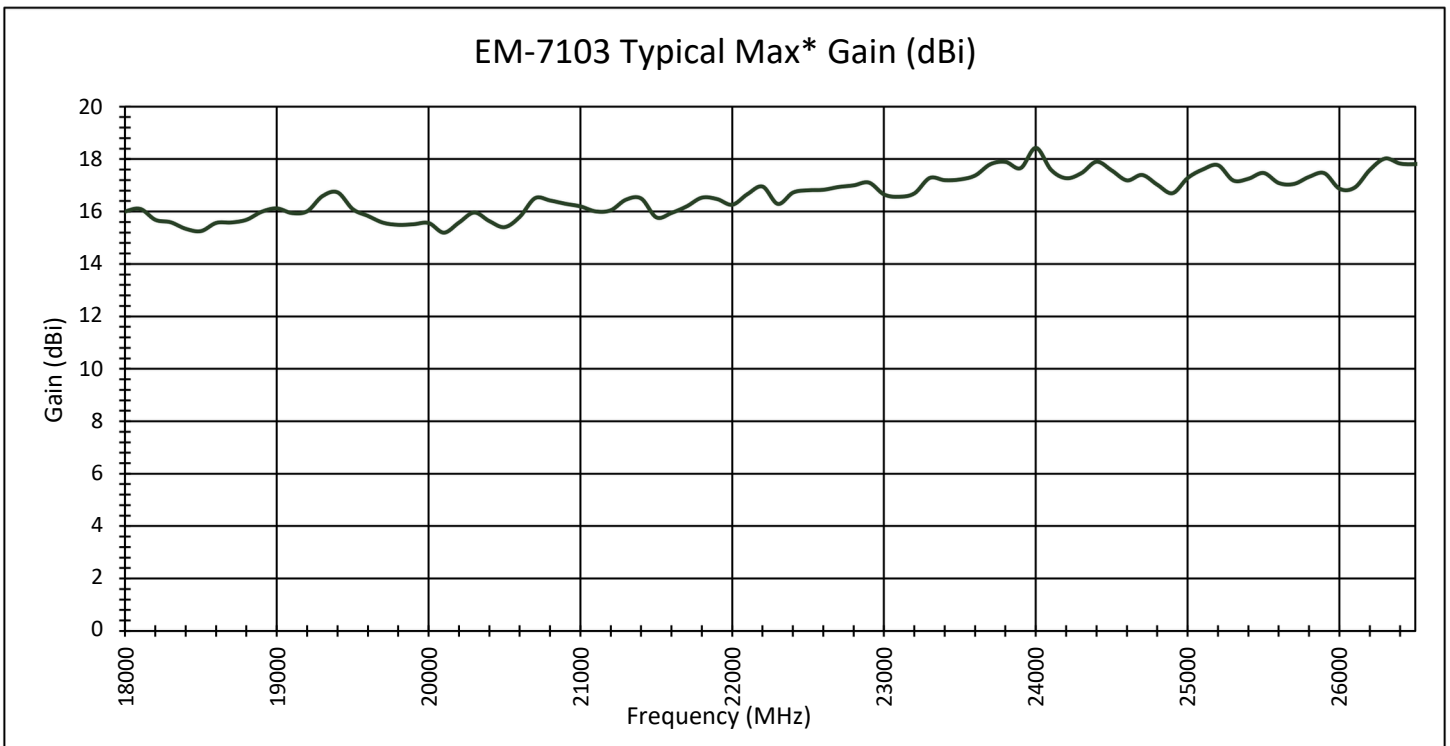
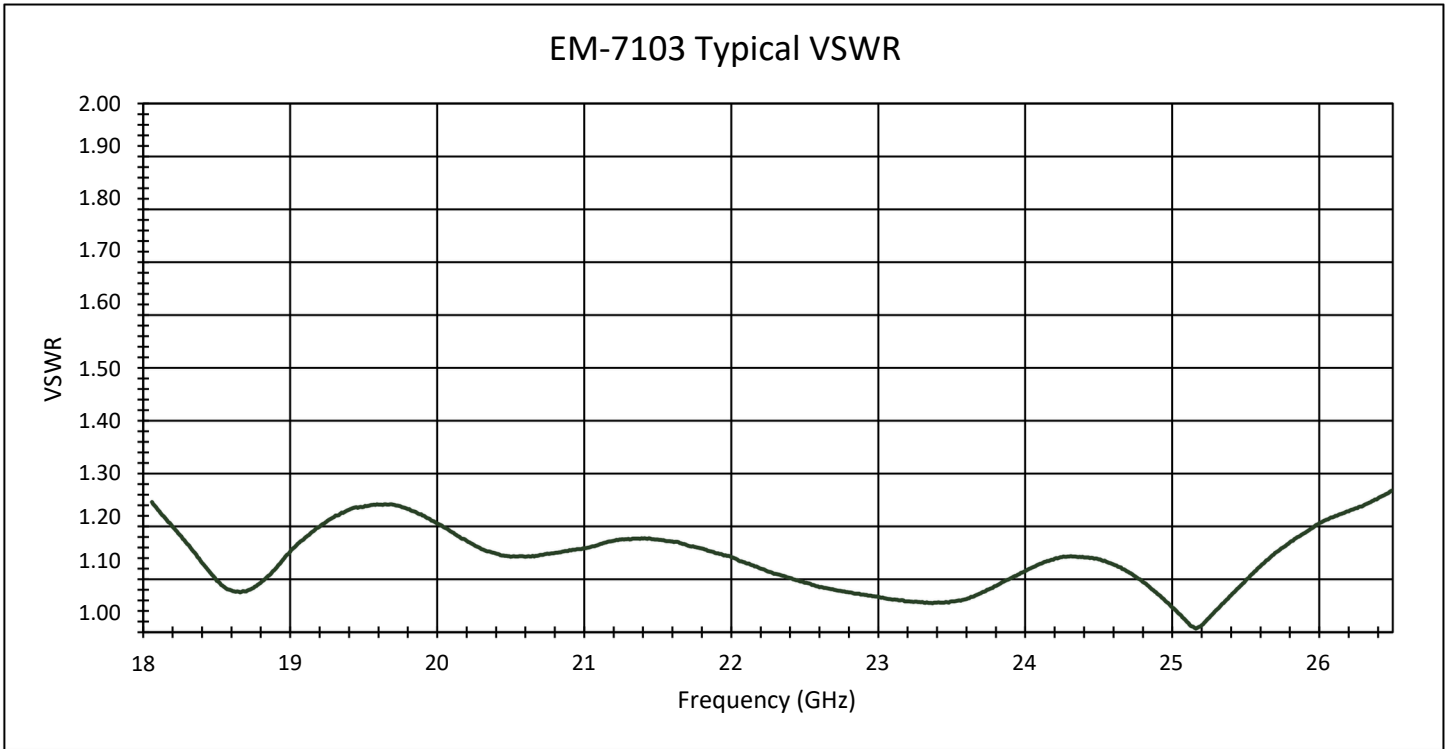
Mechanical

Dimensions:	Length: 7.7cm (3.03 in.) Width: 5.2cm (2.05 in.) Height: 3.2cm (1.26 in.) Weight: 60g (0.13 lbs.)
Mounting Options:	EM-7103: ¼ - 20 Vertical / Horizontal mount EM-7103A: WR-42 Coax-to-Waveguide Adapter EM-7103B: WR-42 15-20 dBi 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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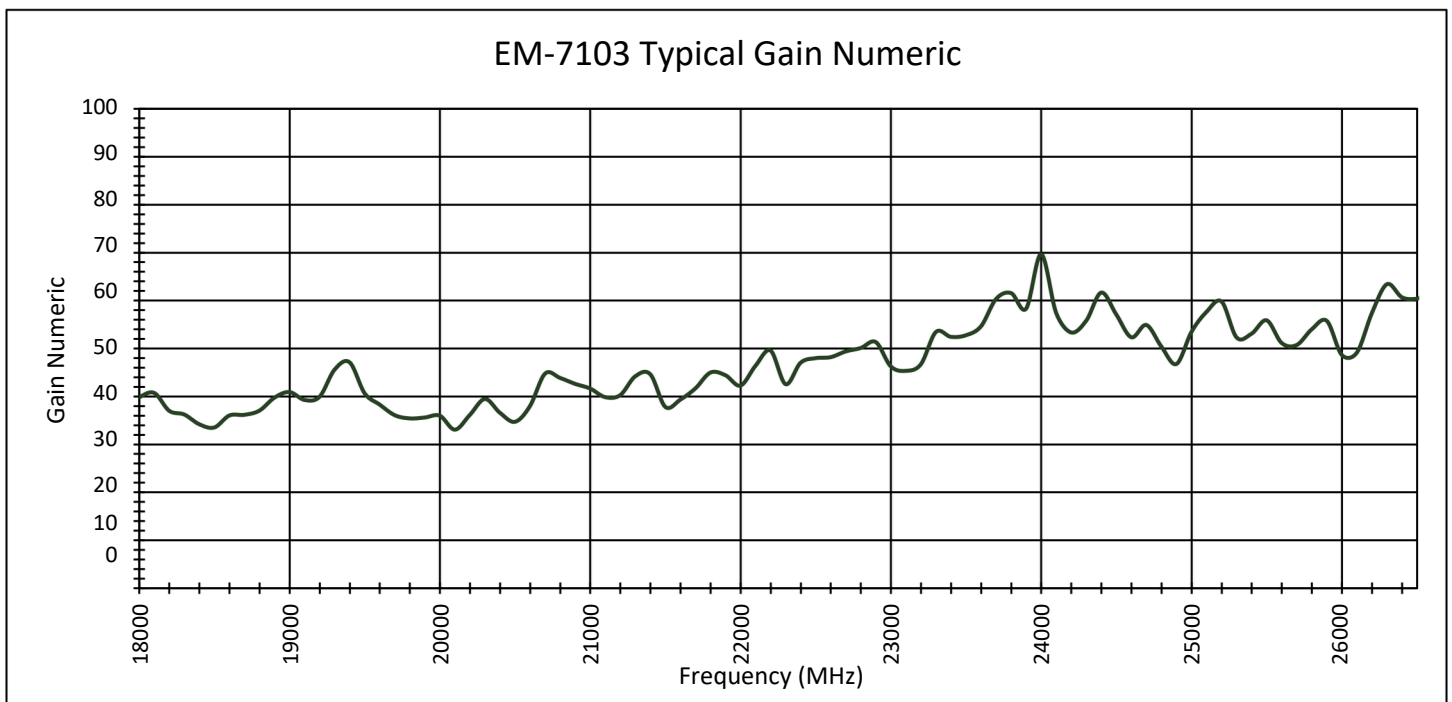
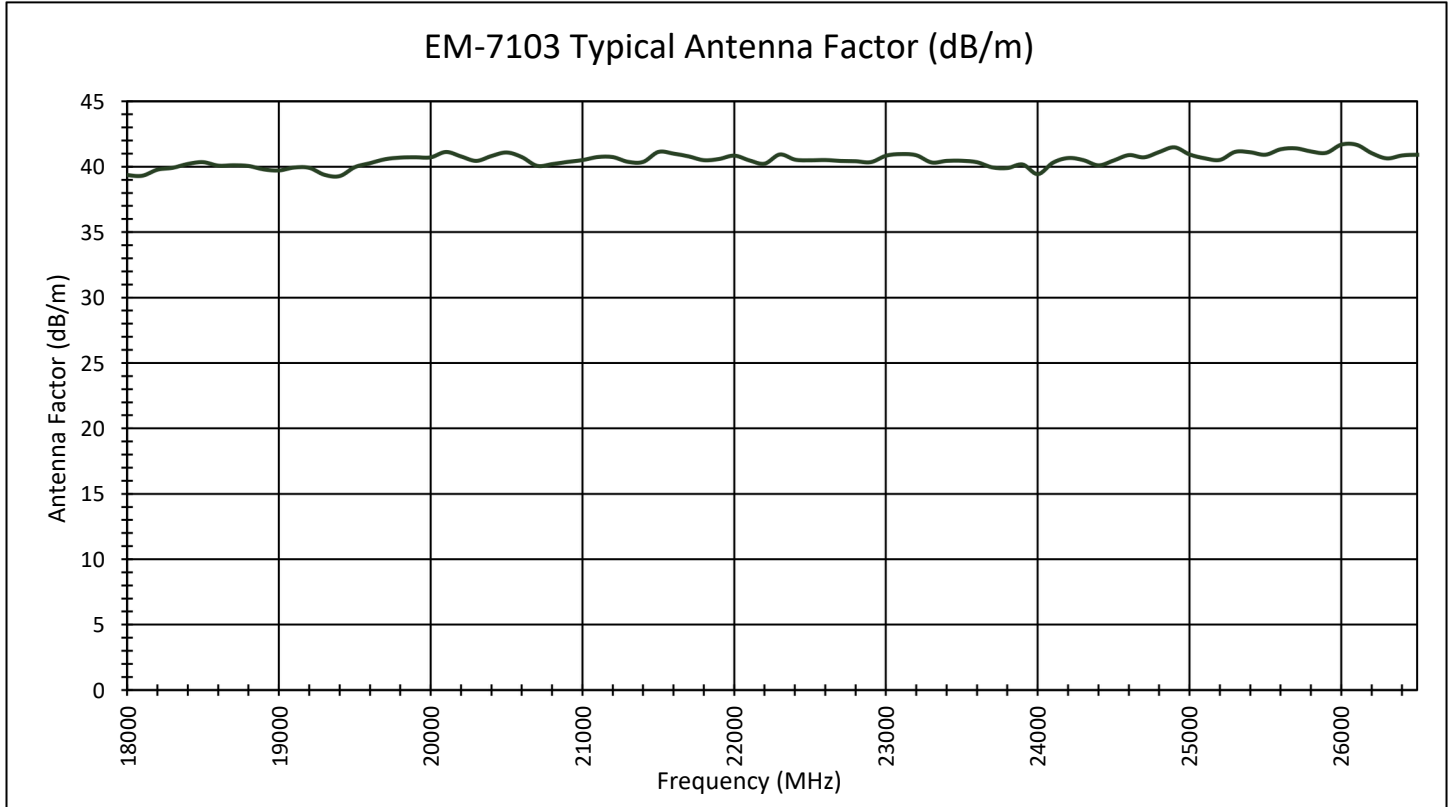


*Maximum Gain determined from scans at all radiation angles and elevations.
Data shown is typical, not guaranteed.

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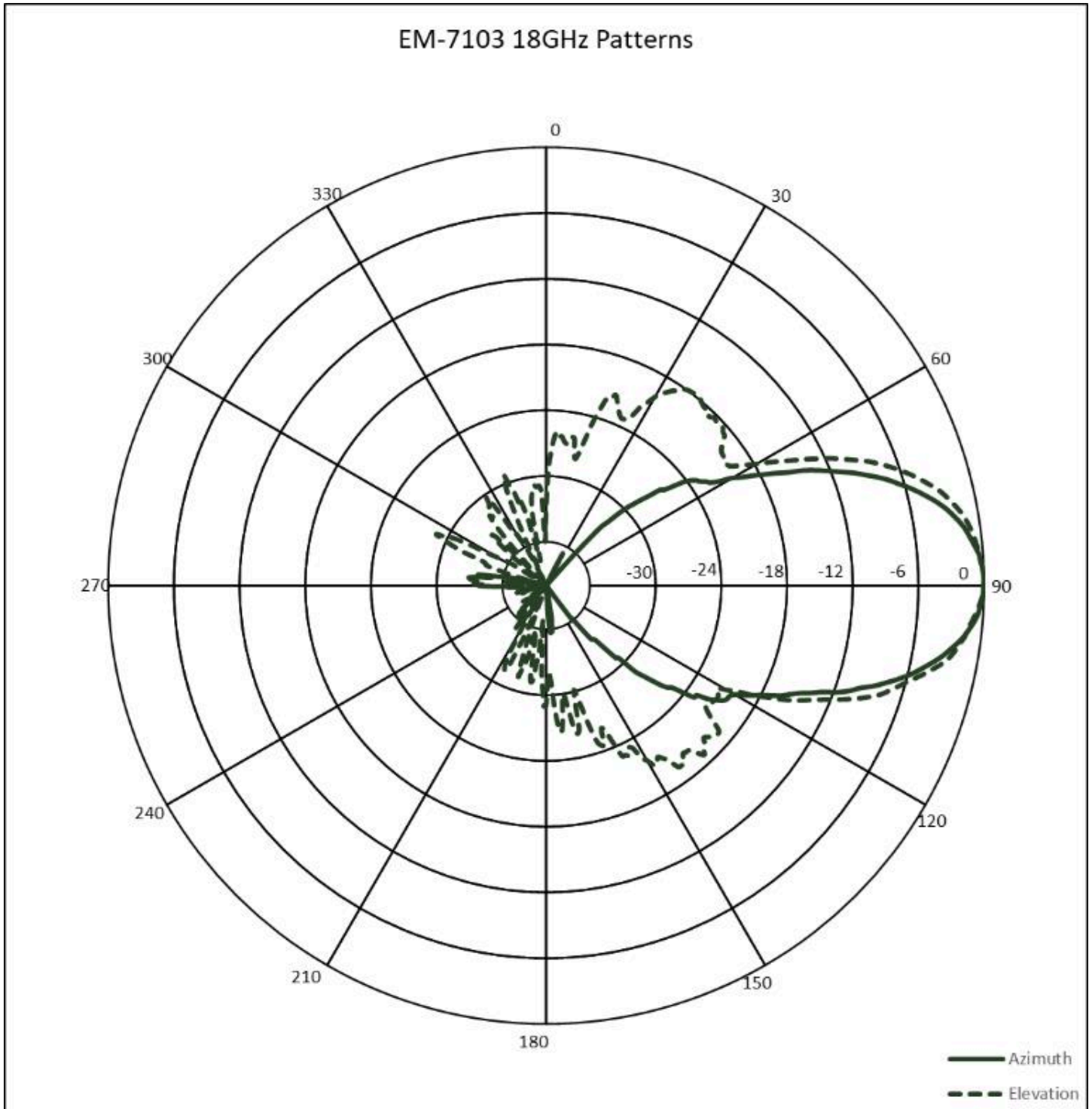


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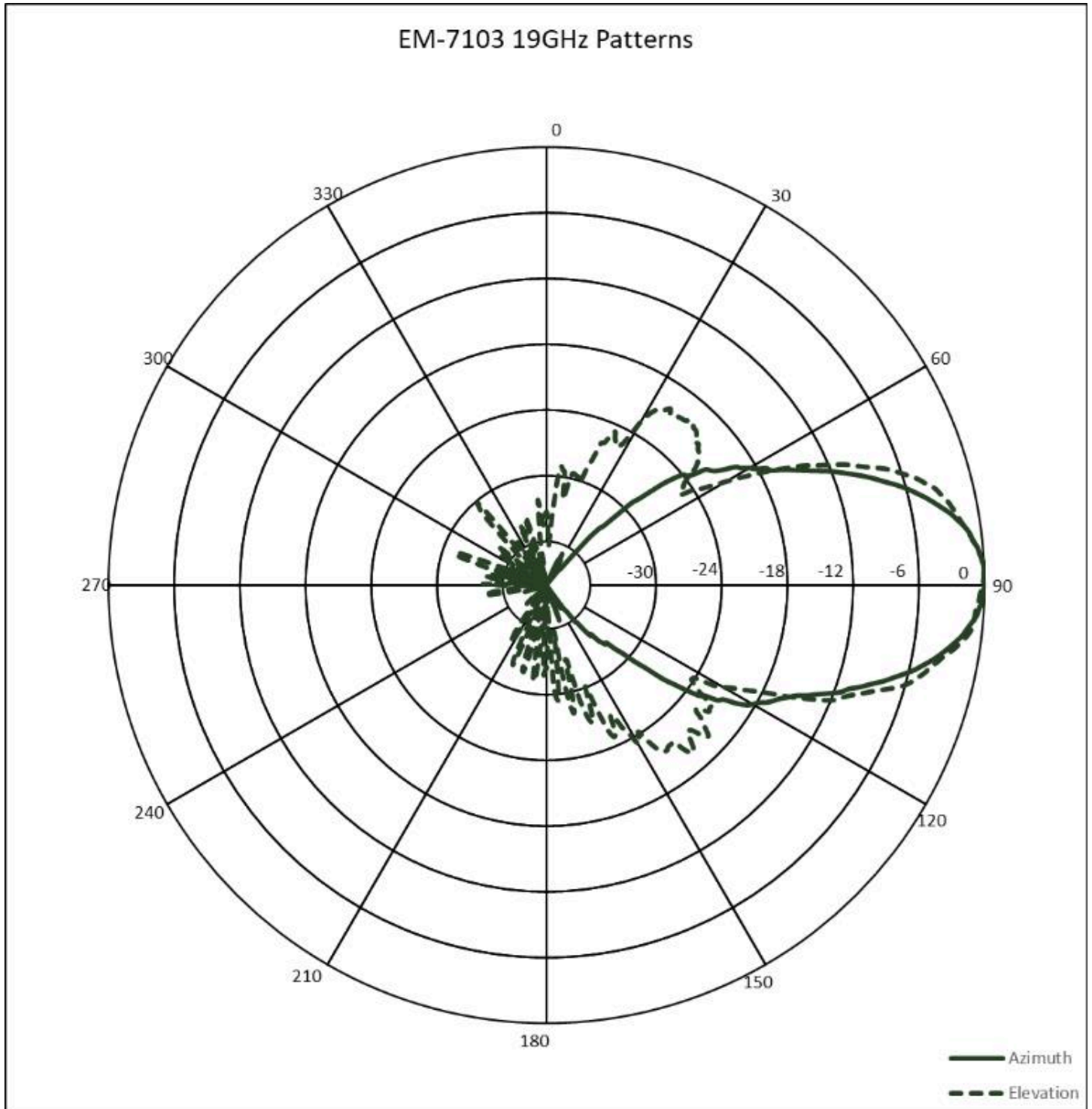
Scale: 6dB/Division.

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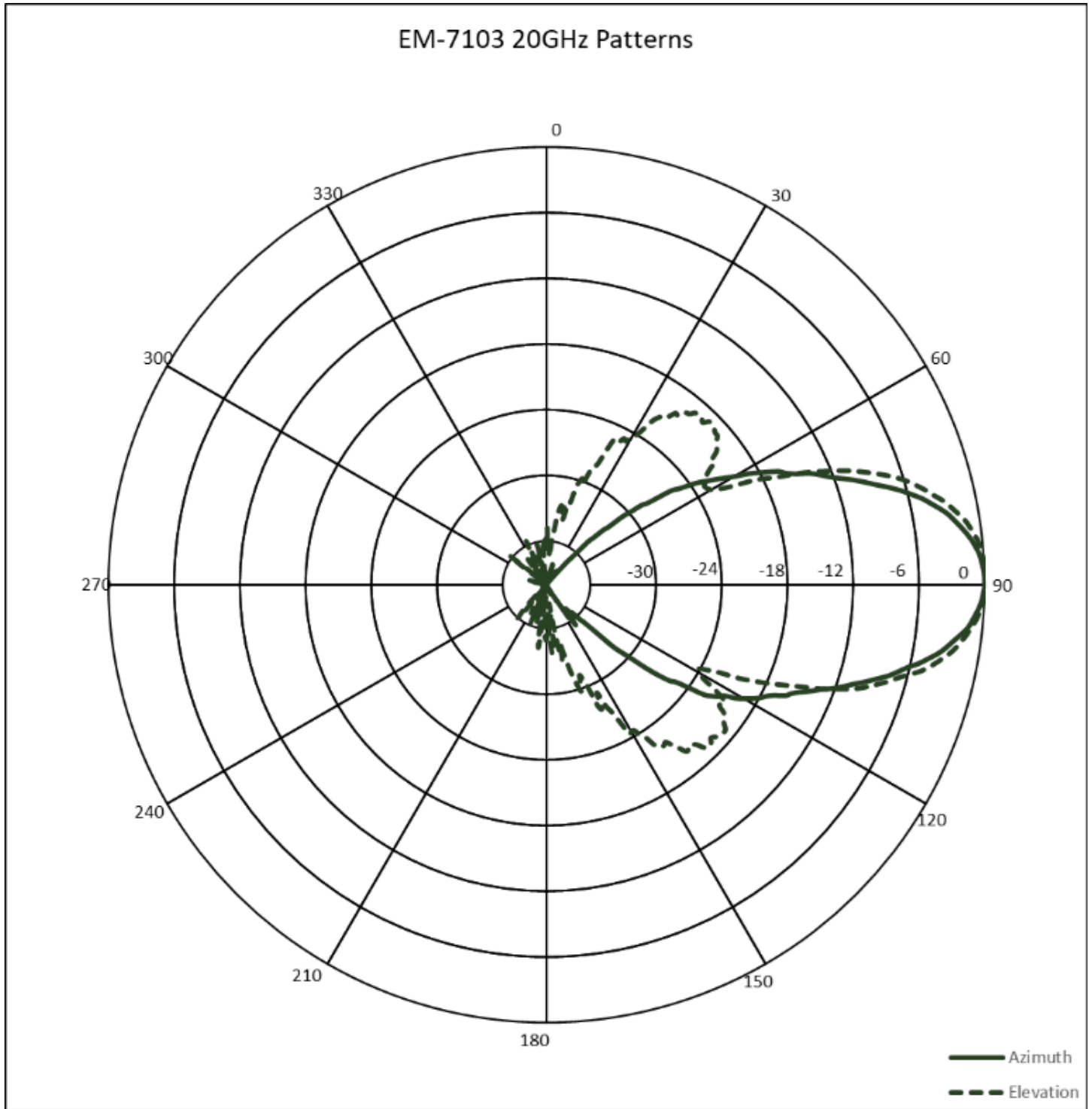
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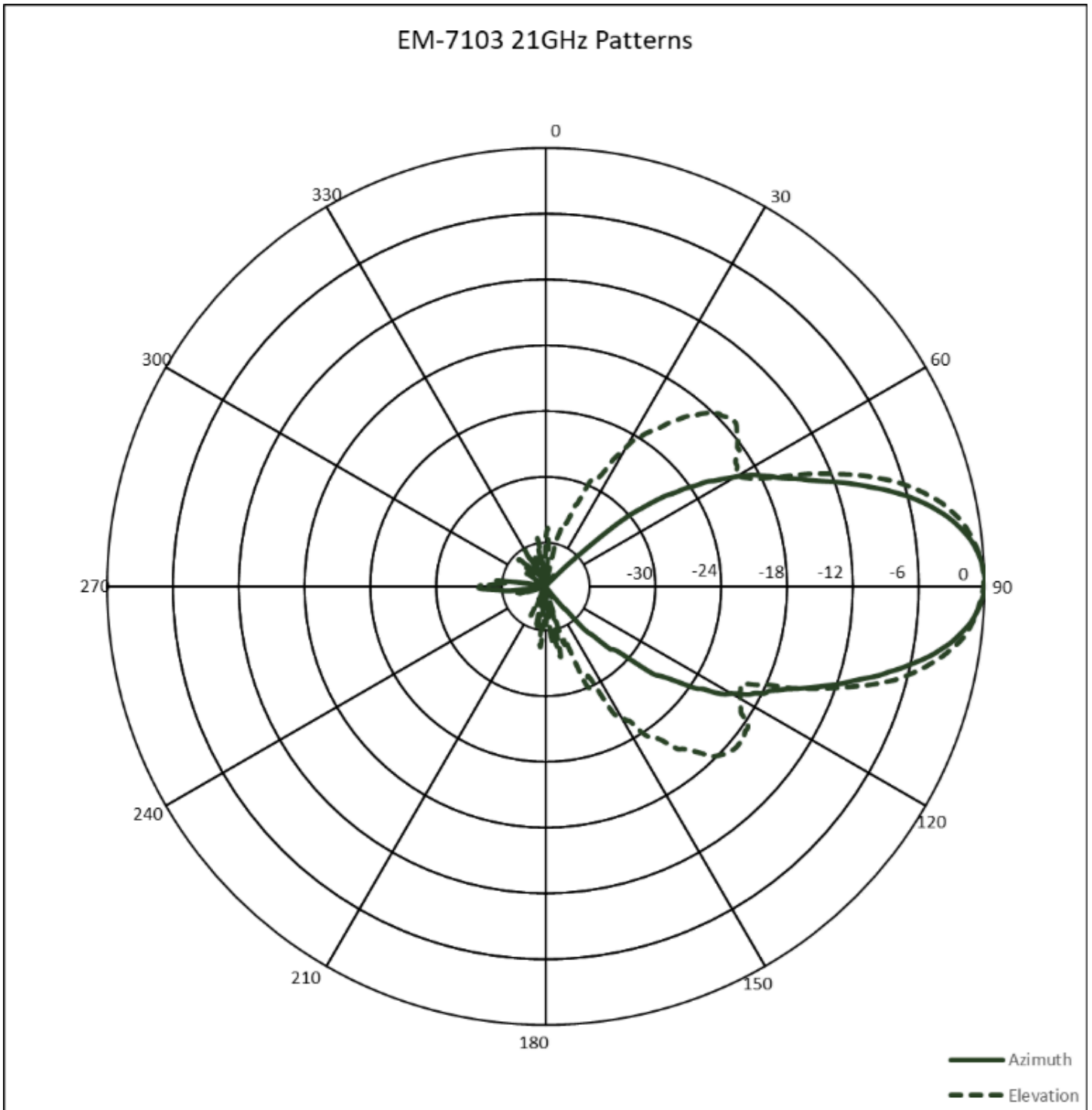
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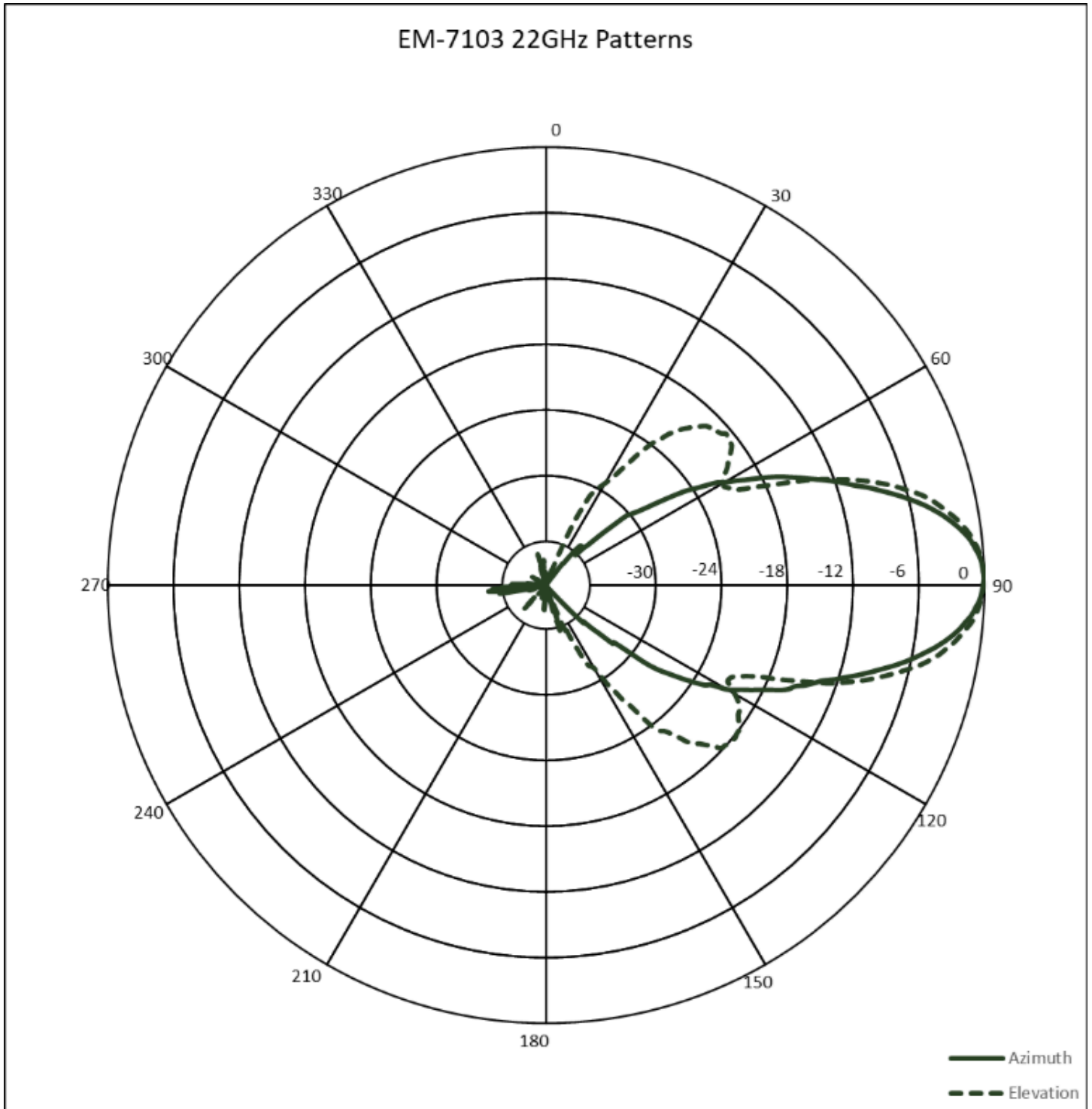
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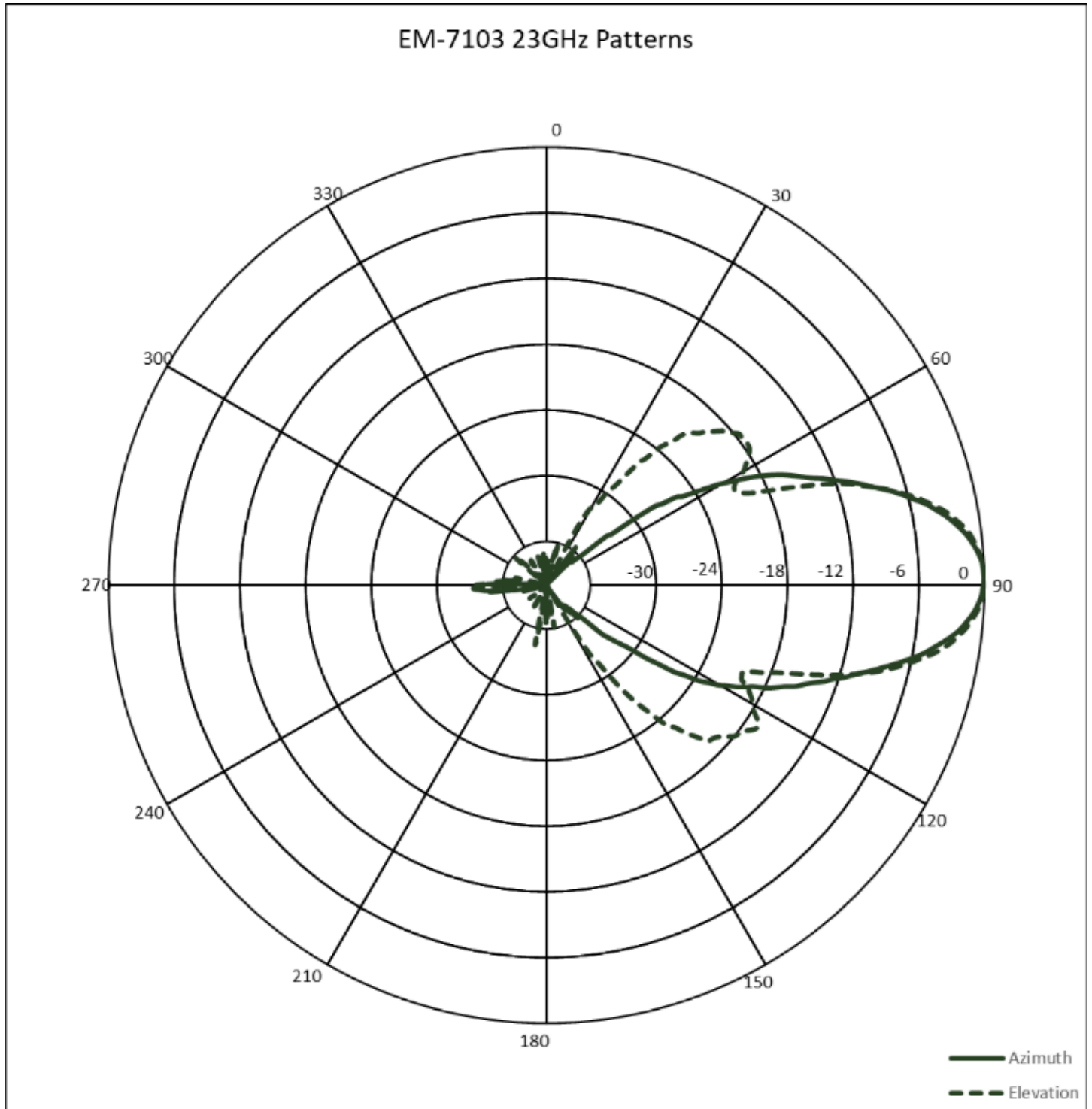
Scale: 6dB/Division.

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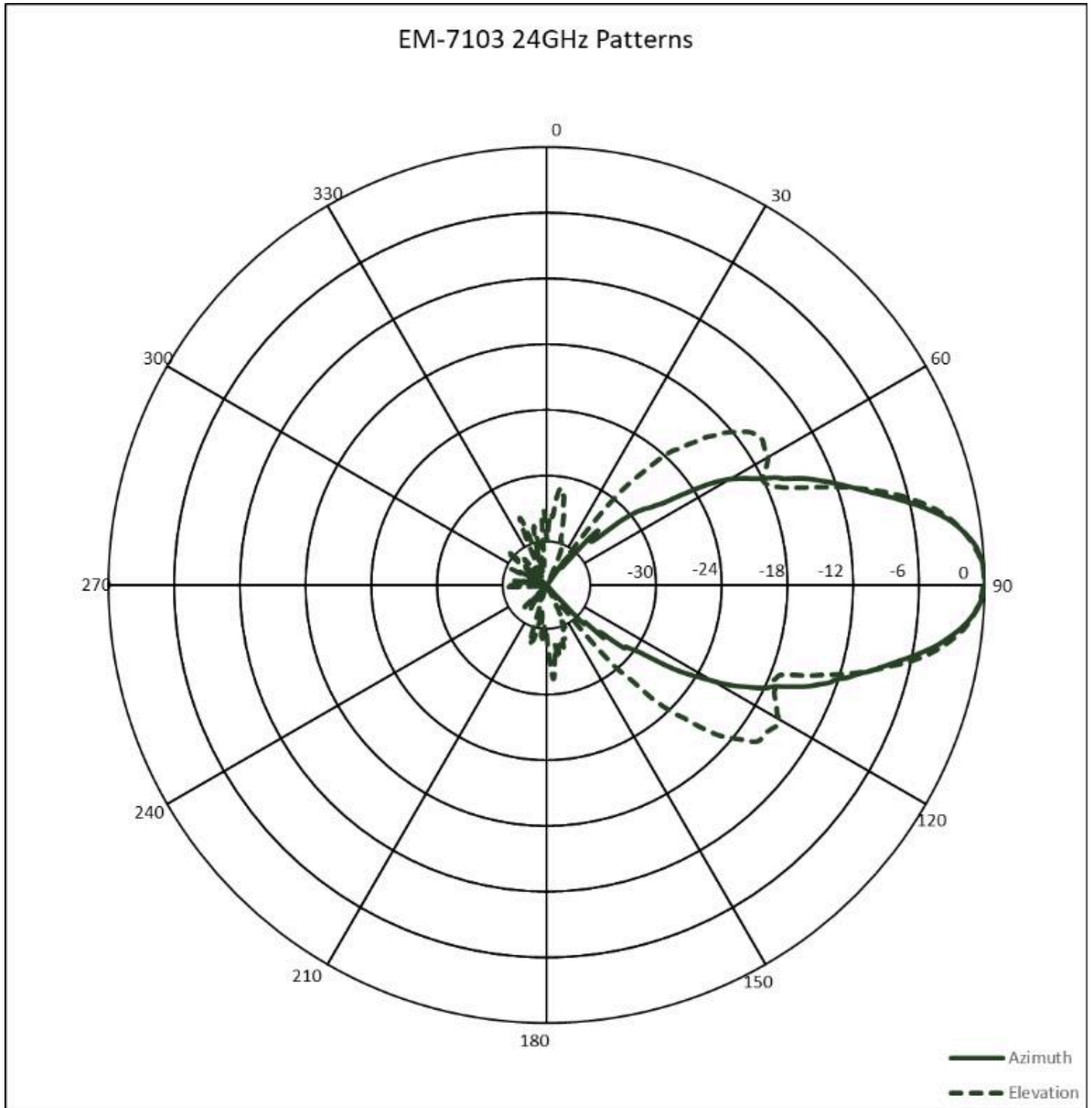
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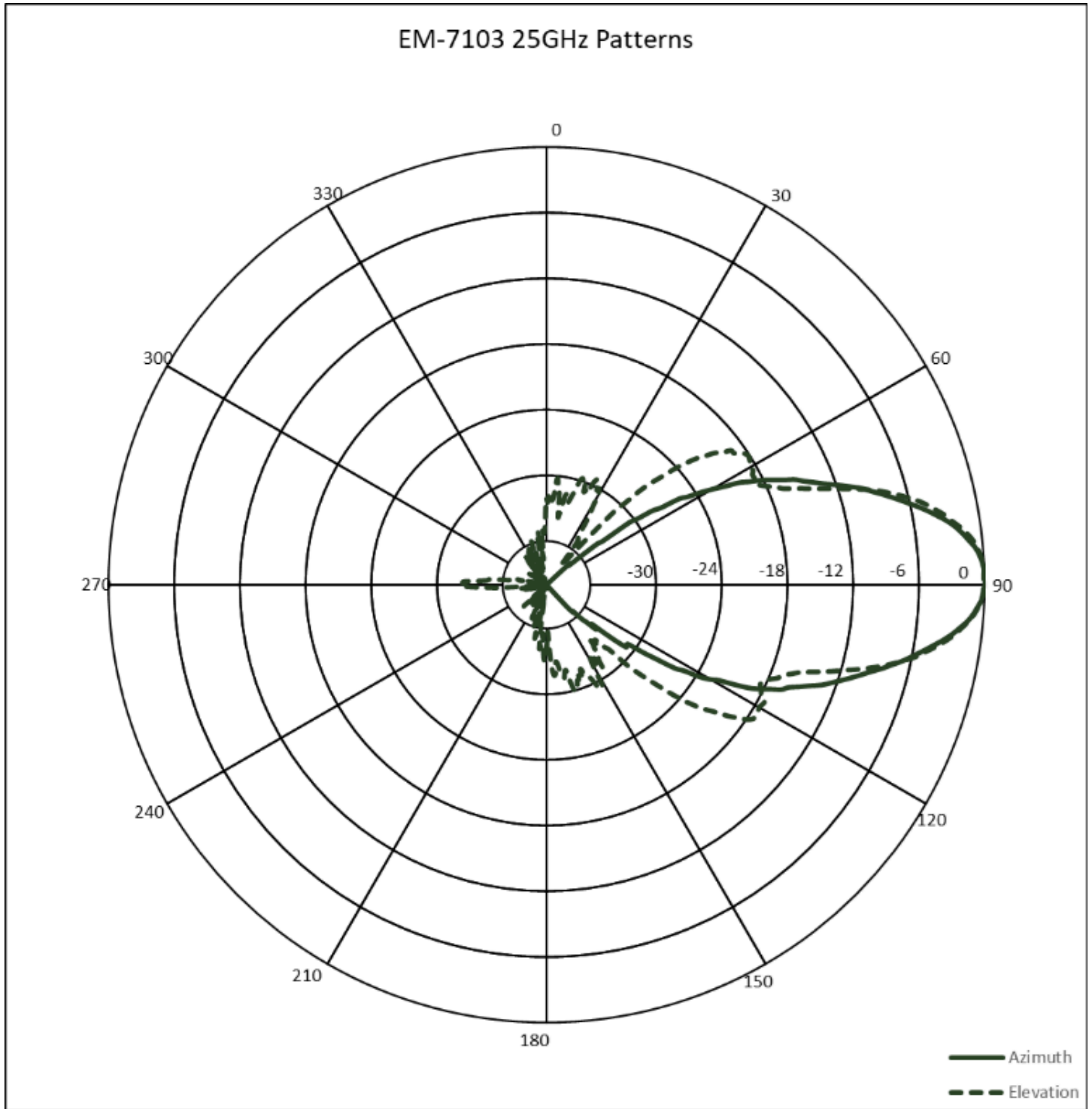
Scale: 6dB/Division.

Data shown is typical, not guaranteed.

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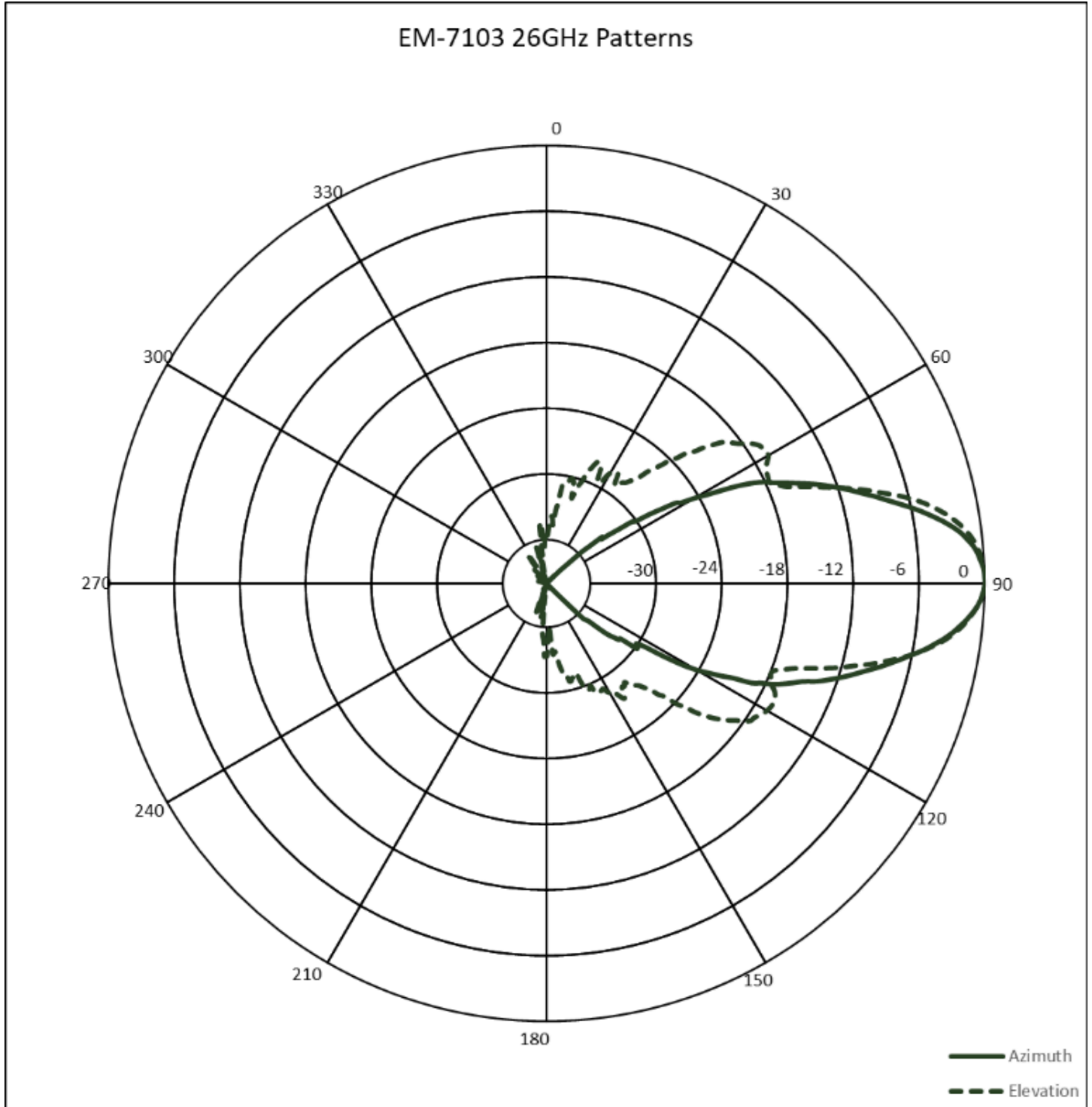
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