LOG PERIODIC DIPOLE ARRAY 3183B Dual Stacked LPDA Antenna

ETS-Lindgren's Model 3183B is an end fed Mini-Bicon Antenna designed for CISPR 16-1-4 and ANSI C63.25 chamber validation testing above 1 GHz. The frequency range for the Model 3183B is 1 GHz to 18 GHz.

The radiation pattern is omni directional in the H plane, allowing the antenna to receive signals from every direction around the axis. The range covers most wireless bands worldwide, and is designed for the lowest possible VSWR across the range of operation. The antenna exhibits better than 2:1 VSWR for most of the range, and never exceeds 5:1 above 1 GHz. The small size of the antenna enables it to be used for amplifie r harmonic measurements when performing tests per IEC 61000-4-3. It is also ideal when performing the TDsVSWR test as per ANSI C63.25 standard.

Key Features

- 1 GHz to 18 GHz Frequency Range
- 2:1 VSWR Average
- Up to 20W Input Power
- Constant E- and H-Plane Beamwidth
- Flat Directivity

Features

FREQUENCY RANGE

The antenna covers a frequency range of 1 GHz to 18 GHz, making it ideal as a receive antenna for performing the site VSWR chamber validation method per CISPR 16 standard.

LOW VSWR

The typical VSWR for the model 3183B is less than 2:1.

Specifications

Electrical Specifications

Frequency Minimum: 1 GHz
Maximum Continuous Power: 20 W
Impedance (Nominal): 50 Ω
VSWR (Average): 2:1
Connector: SMA (Female)

Pattern Type: Directional
Polarization: Linear

Physical Specifications

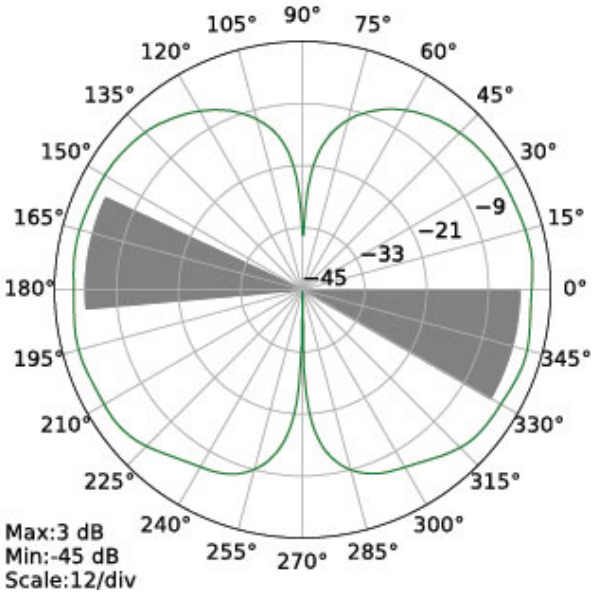
Width: 10.80 cm (4.25 in)
Length: 37.70 cm (14.86 in)
Stinger Length: 25.10 cm (9.88 in)
Weight: 1.45 kg (3.20 lb)

Other Specifications

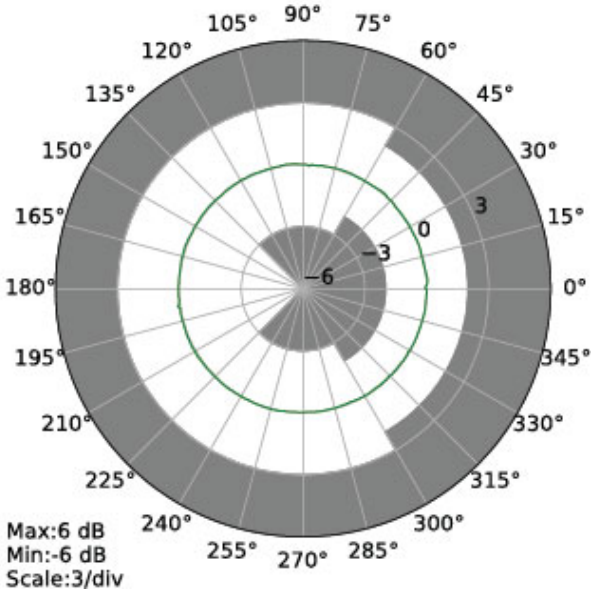
- Antenna
- Mounting Fixture for 1/4 in x 20 Threads
- Individually Calibrated Factors at 3m per SAE ARP 958
- Manual

Product Charts

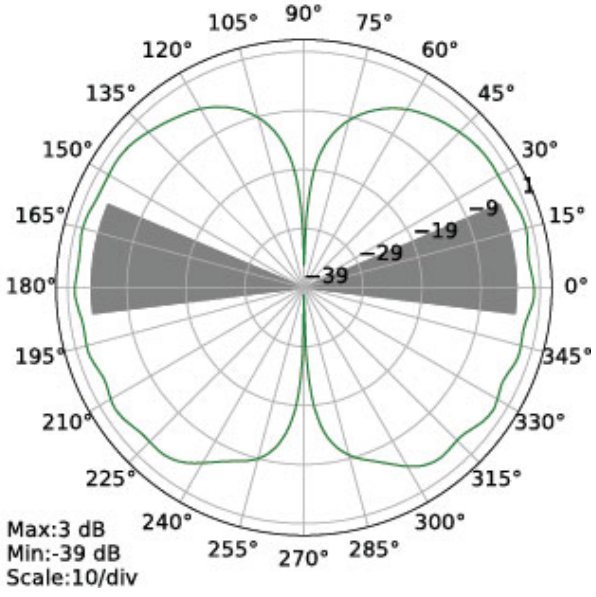
E Plane 1000.00 MHz



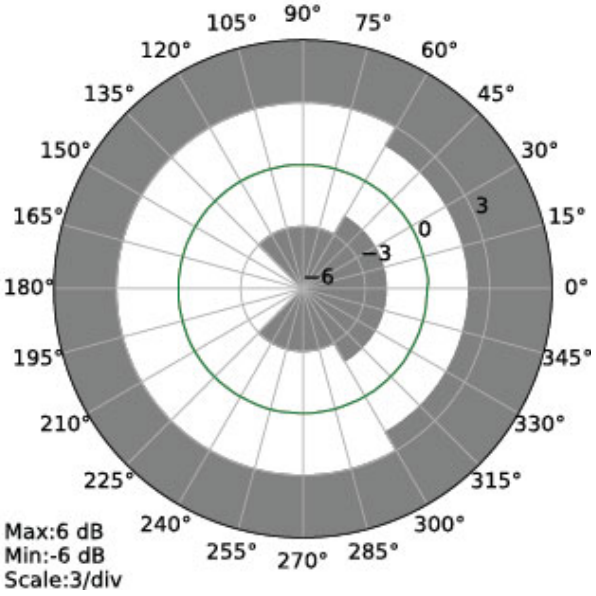
H Plane 1000.00 MHz



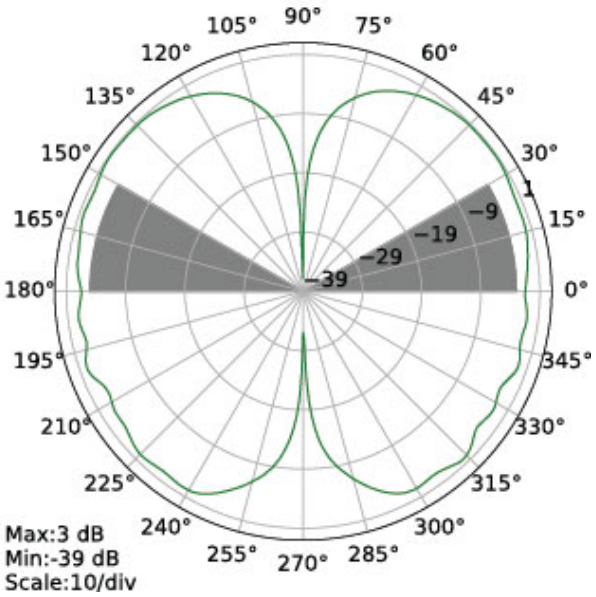
E Plane 1500.00 MHz



H Plane 1500.00 MHz



E Plane 2000.00 MHz



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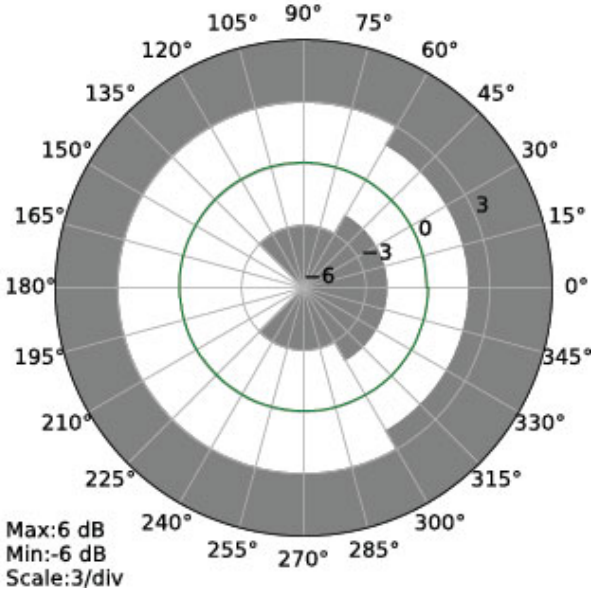

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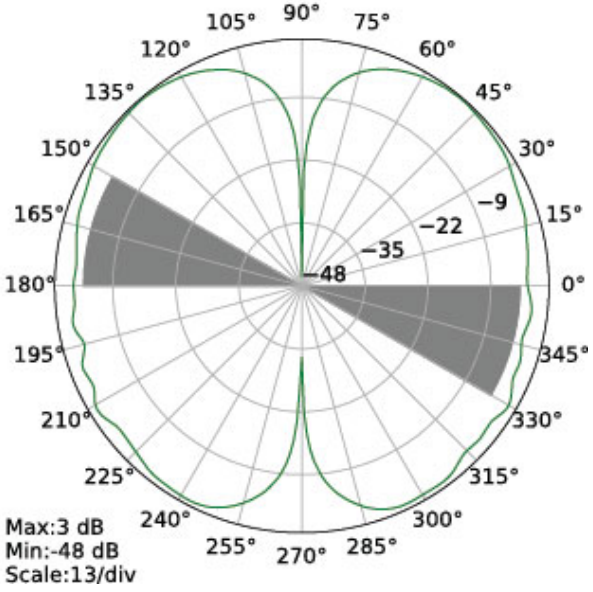

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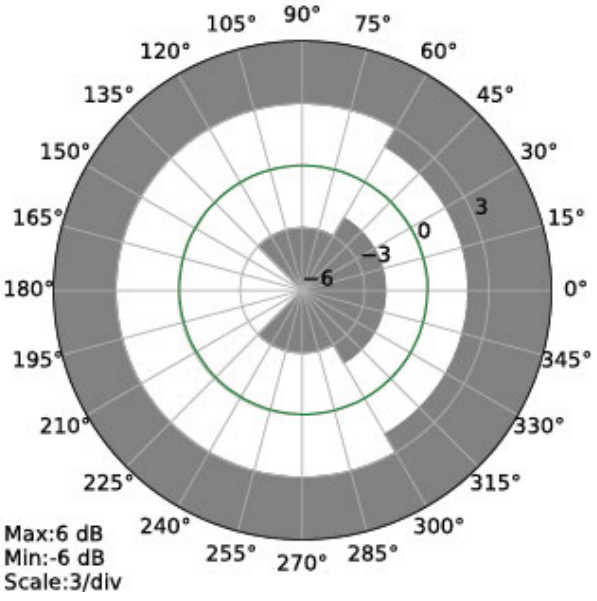
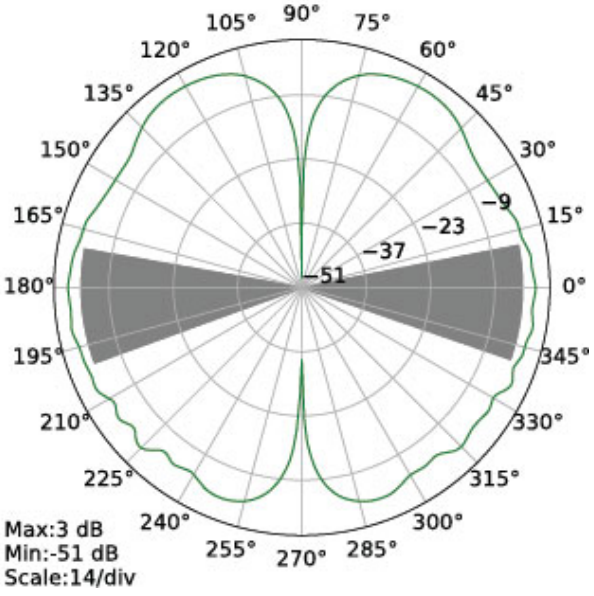


E Plane 3500.00 MHz



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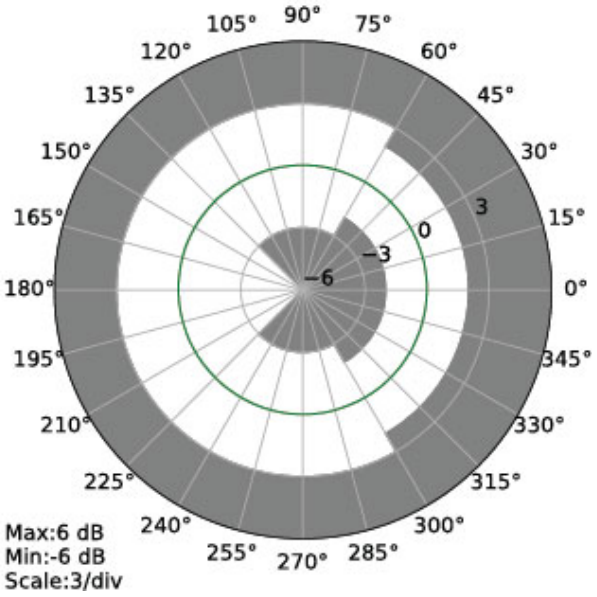

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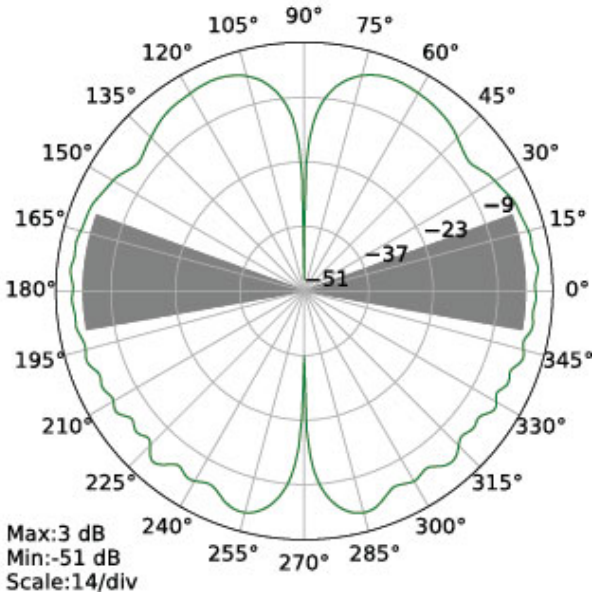

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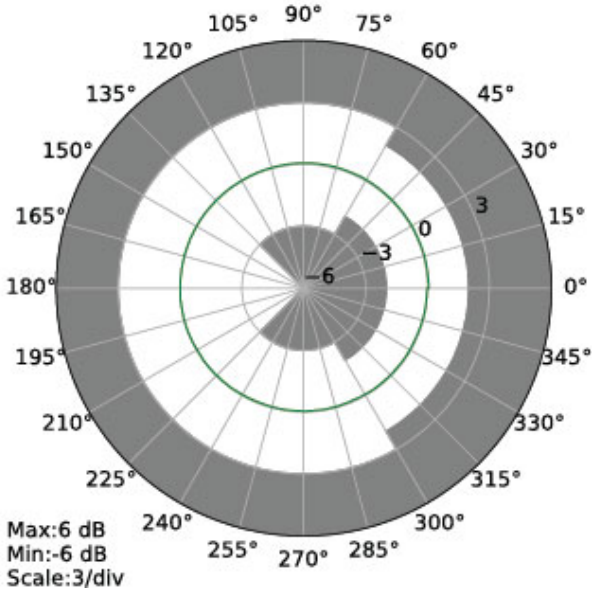
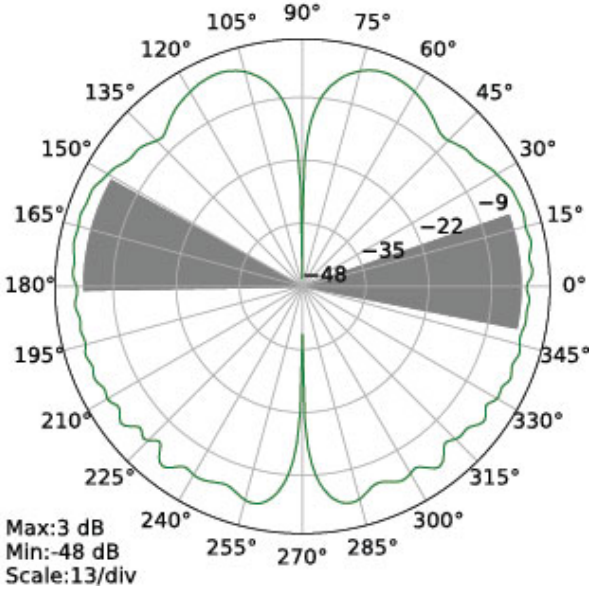


E Plane 4500.00 MHz



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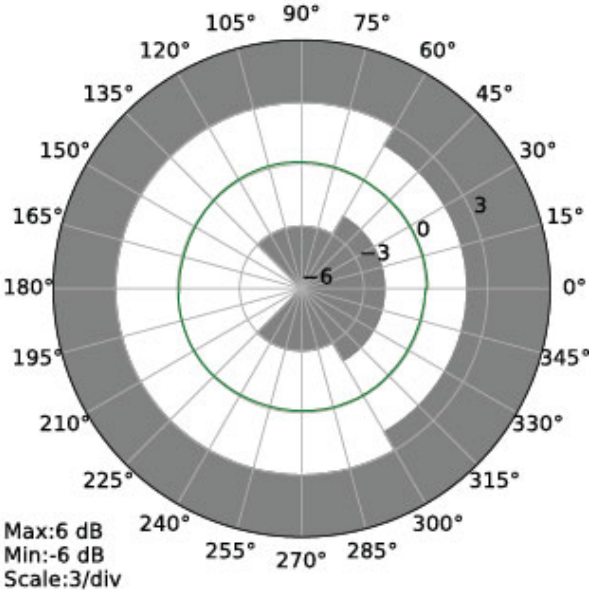

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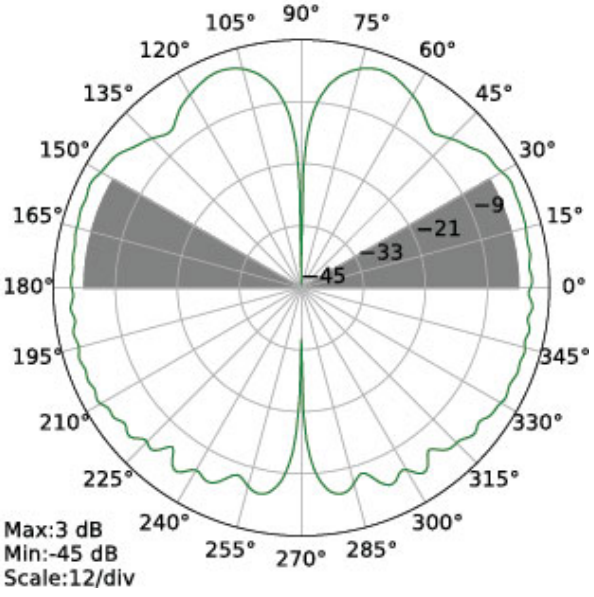

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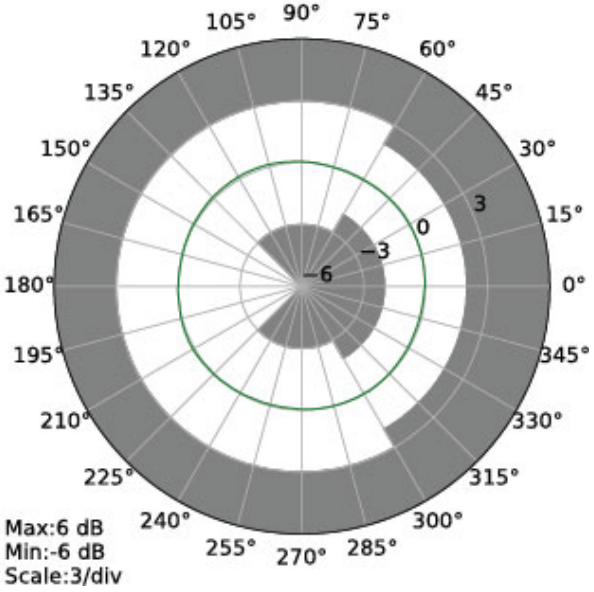
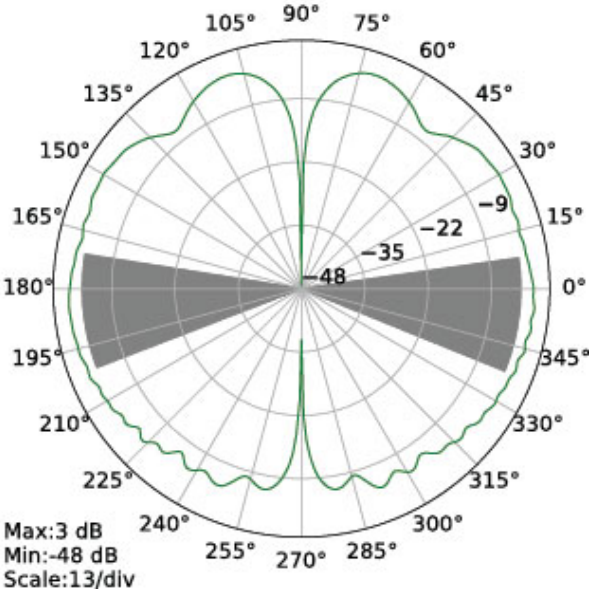


E Plane 5500.00 MHz



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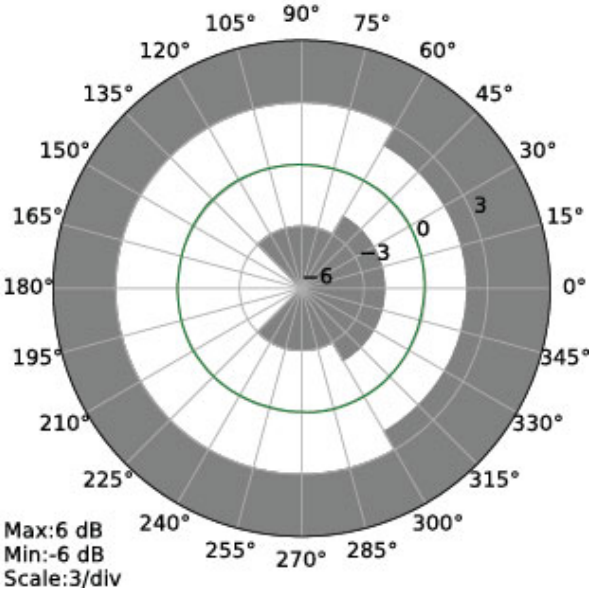
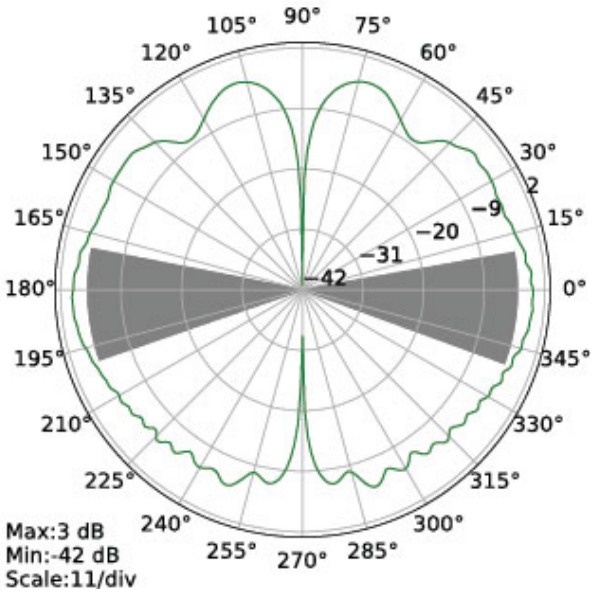


E Plane 6000.00 MHz



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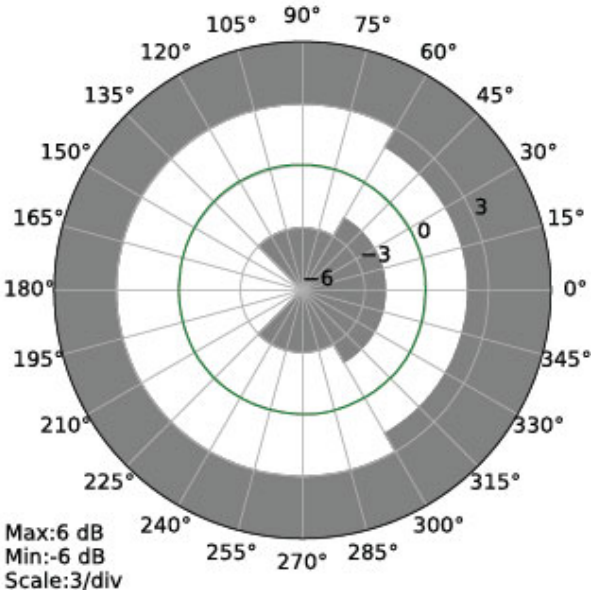

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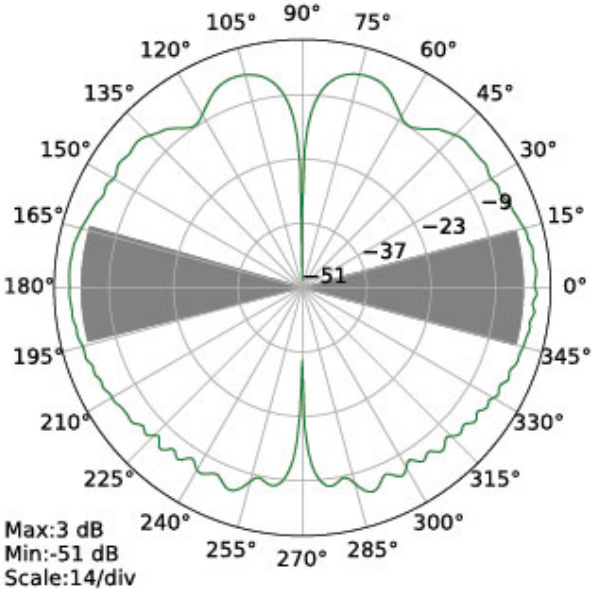

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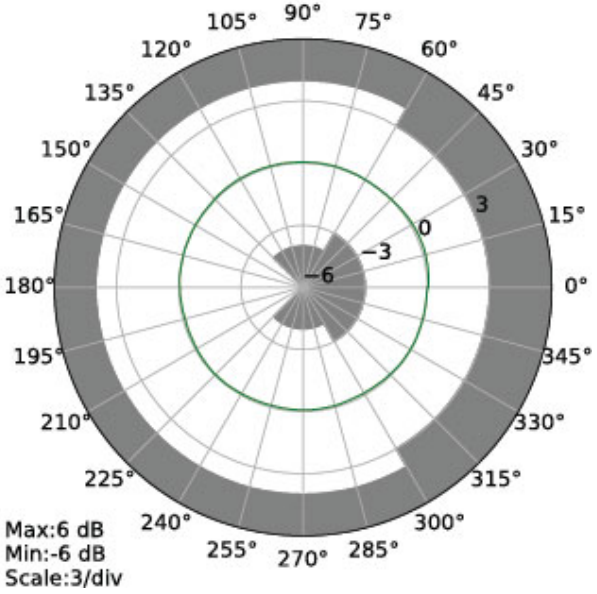
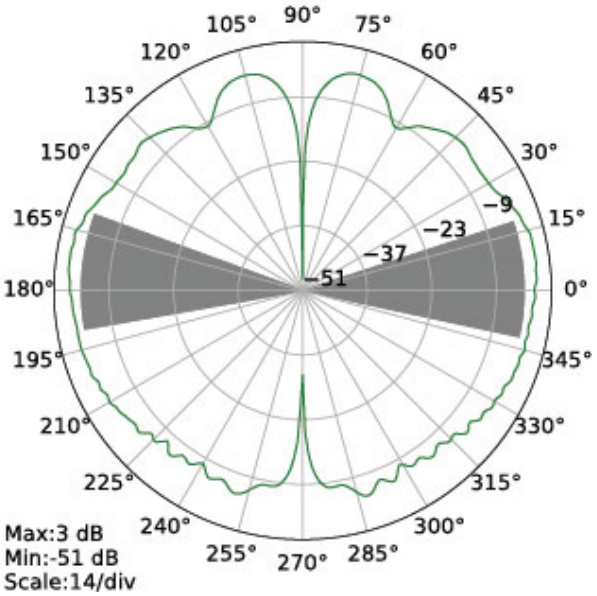


E Plane 7000.00 MHz



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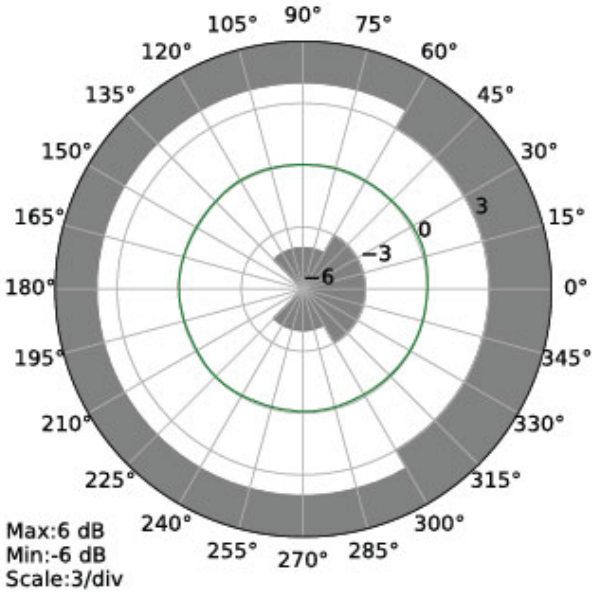

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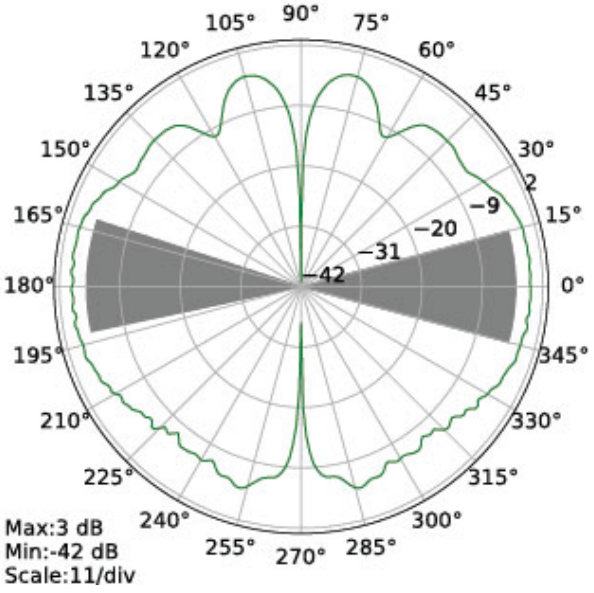

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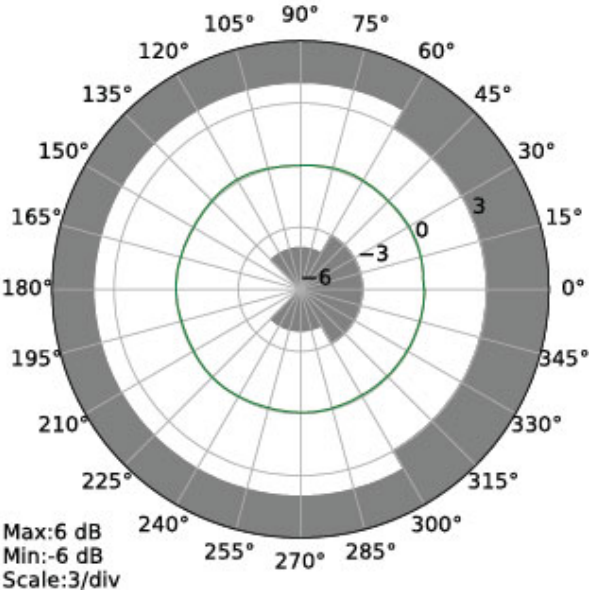
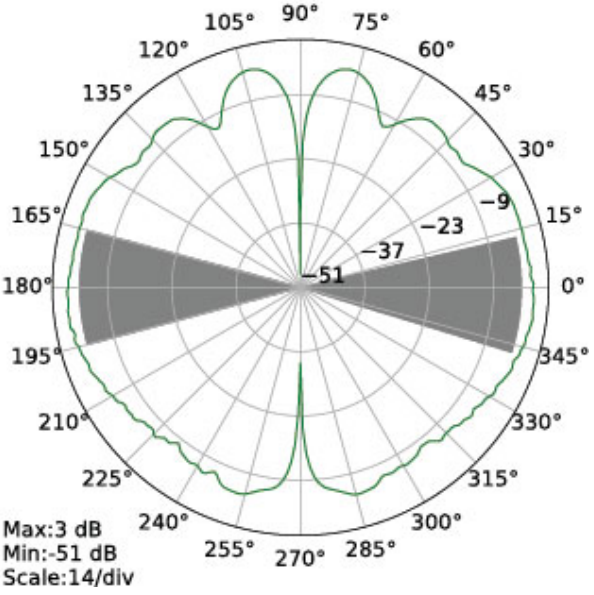


E Plane 8000.00 MHz



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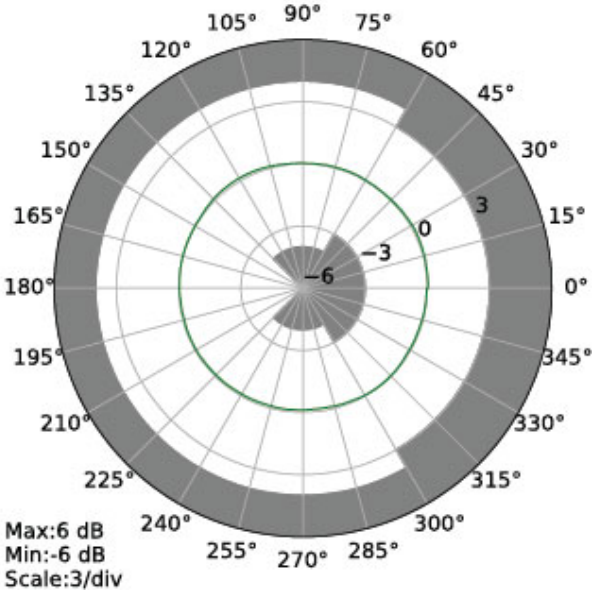

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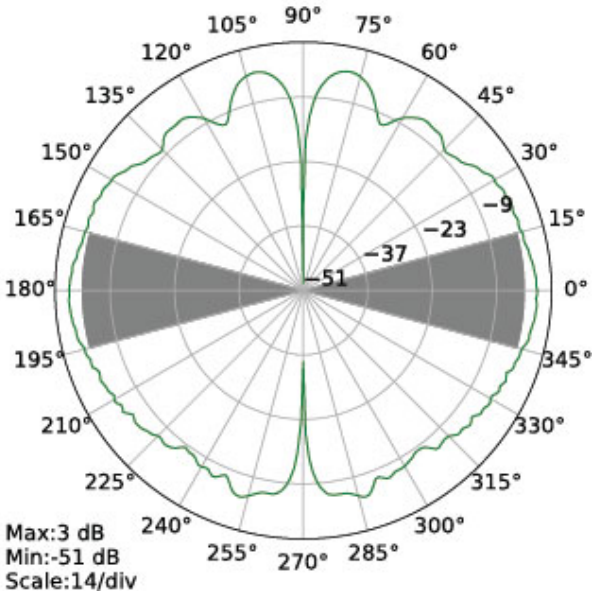

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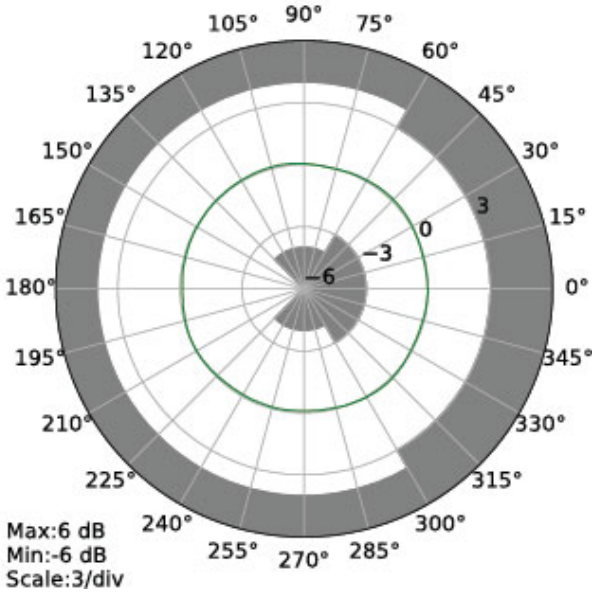
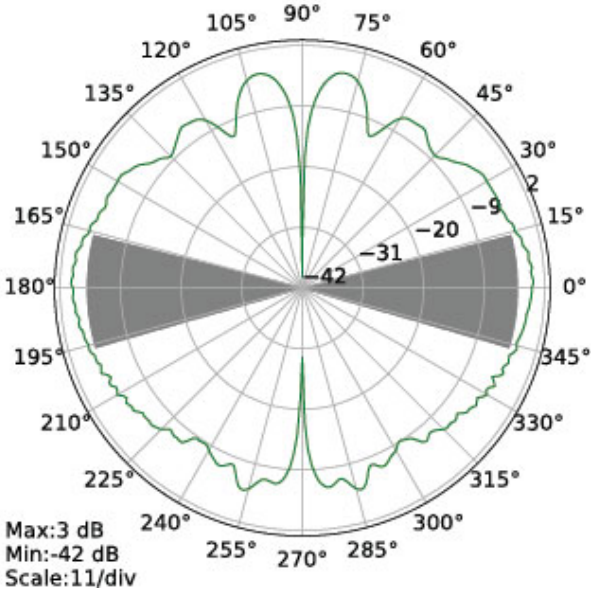


E Plane 9000.00 MHz



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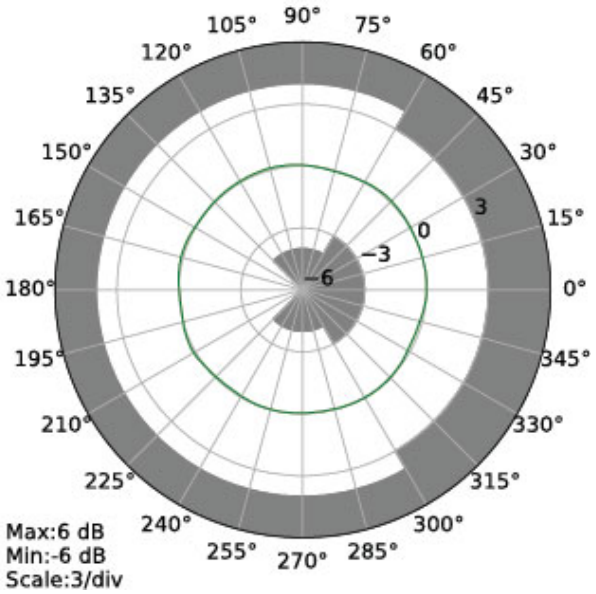
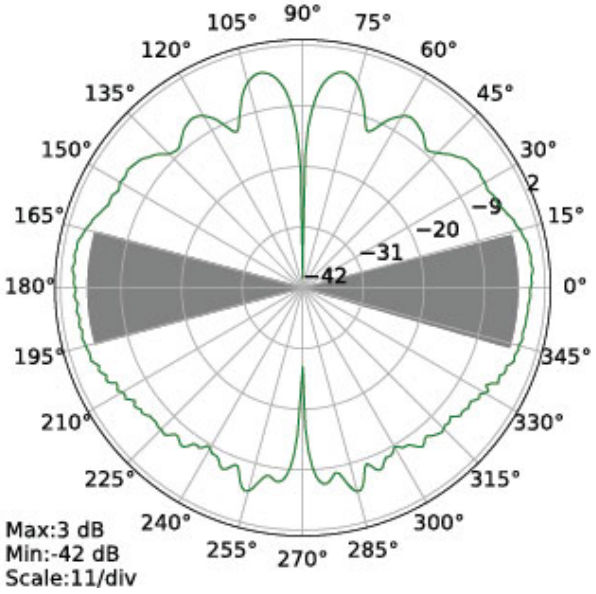


E Plane 9500.00 MHz



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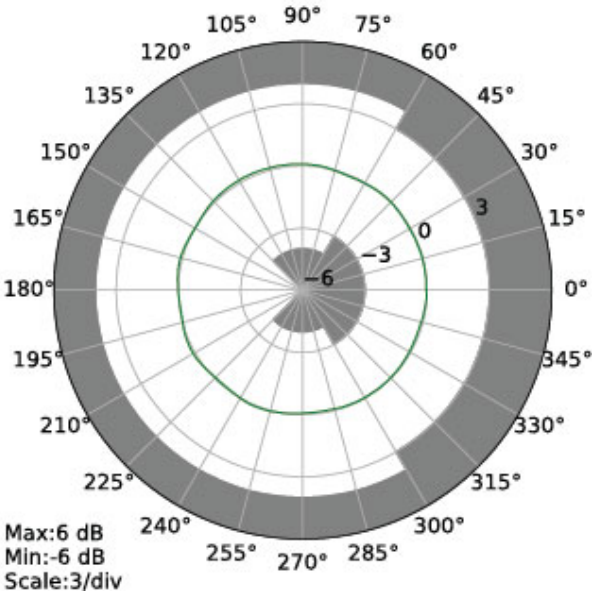
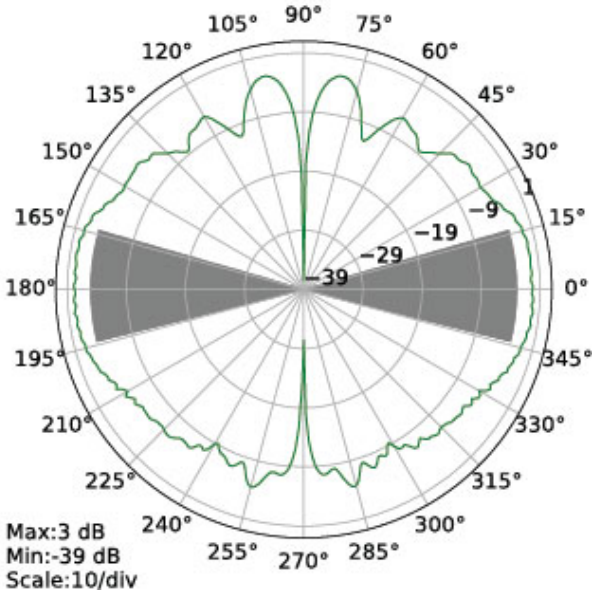


E Plane 10000.00 MHz



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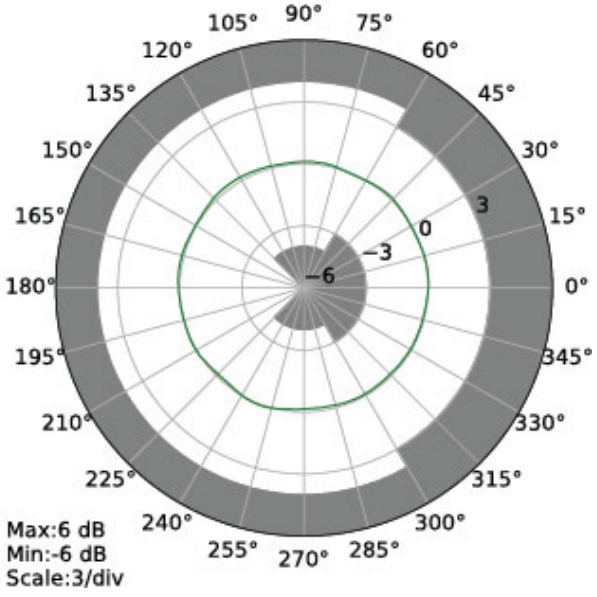

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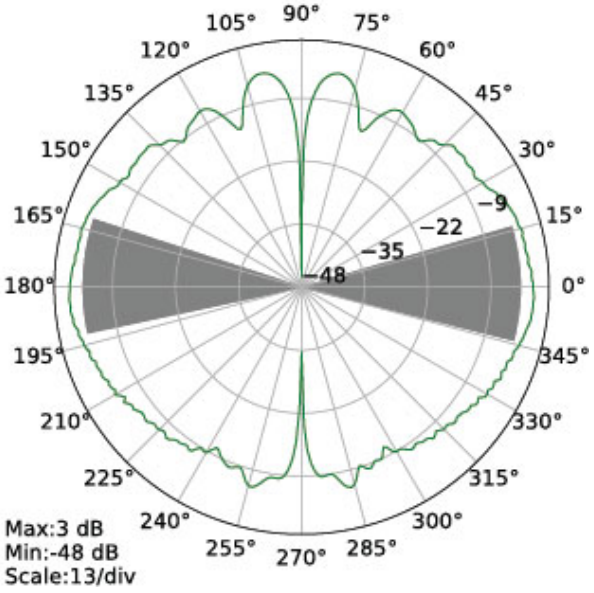

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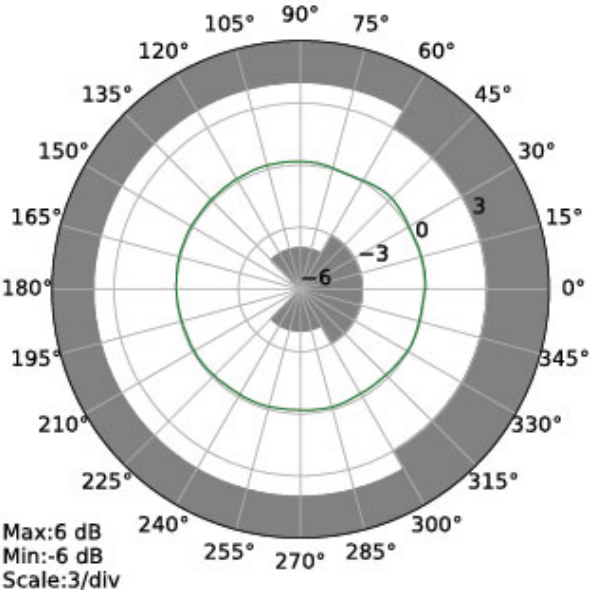
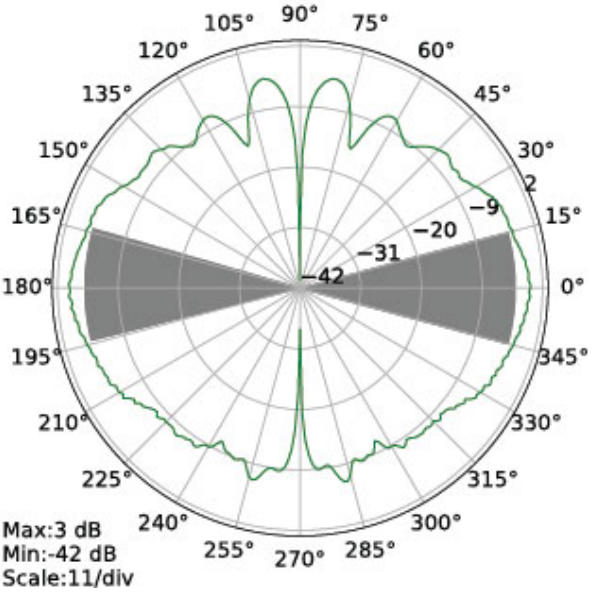
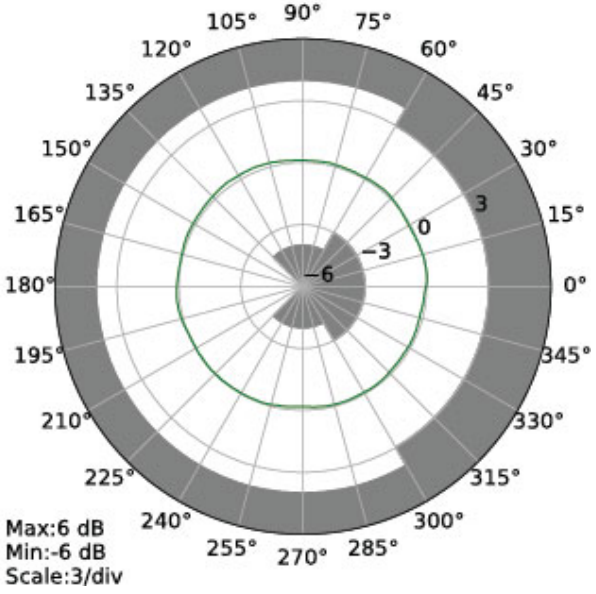


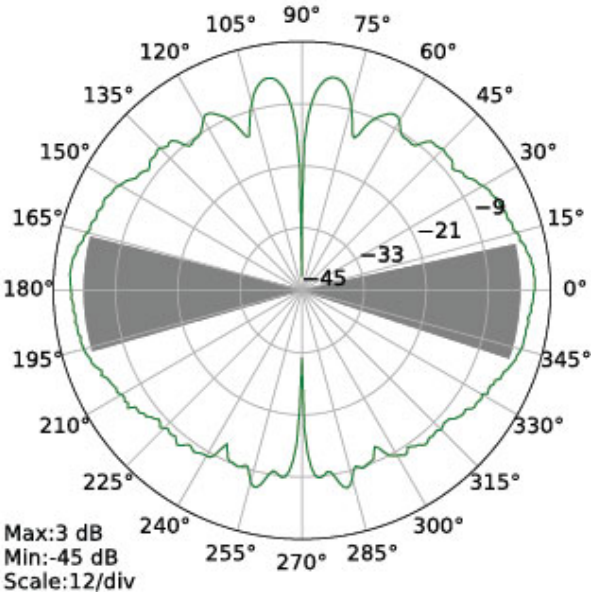
E Plane 11000.00 MHz



H Plane 11000.00 MHz



E Plane 11500.00 MHz



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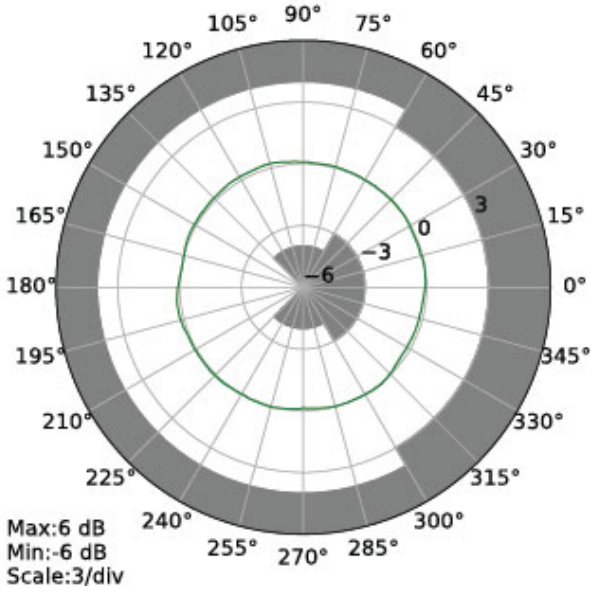

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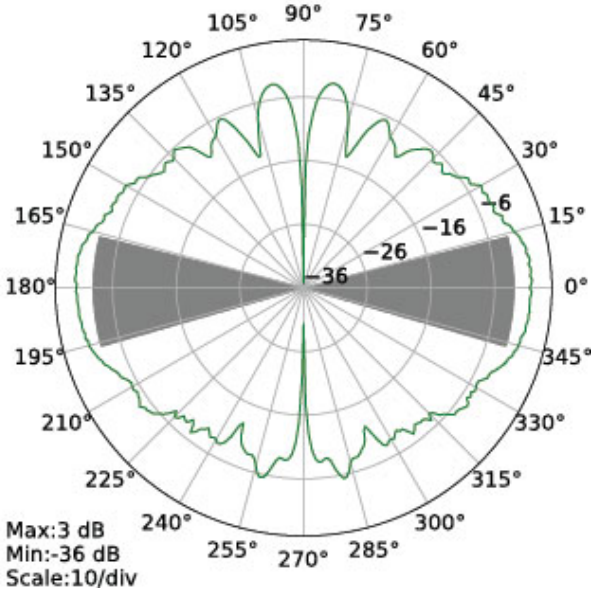

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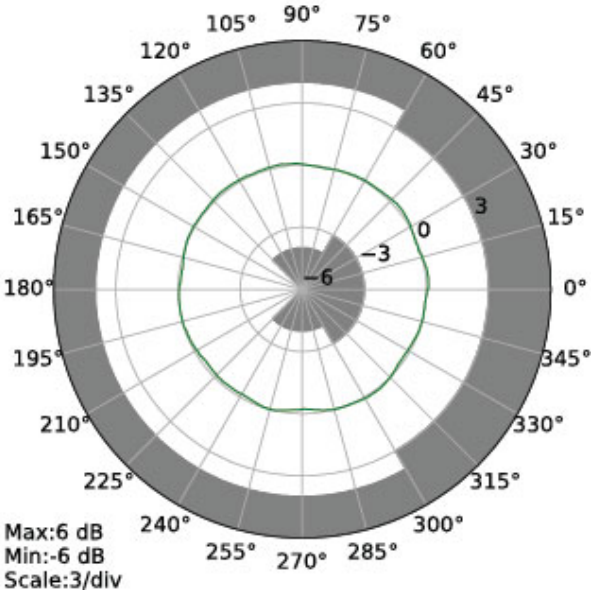
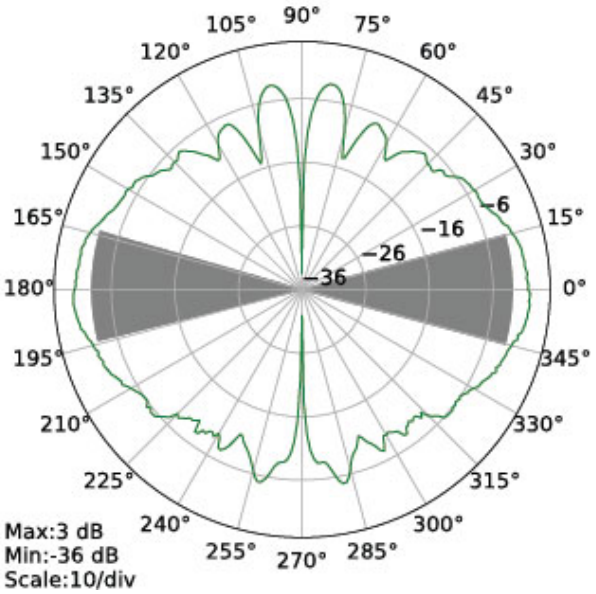


E Plane 12500.00 MHz



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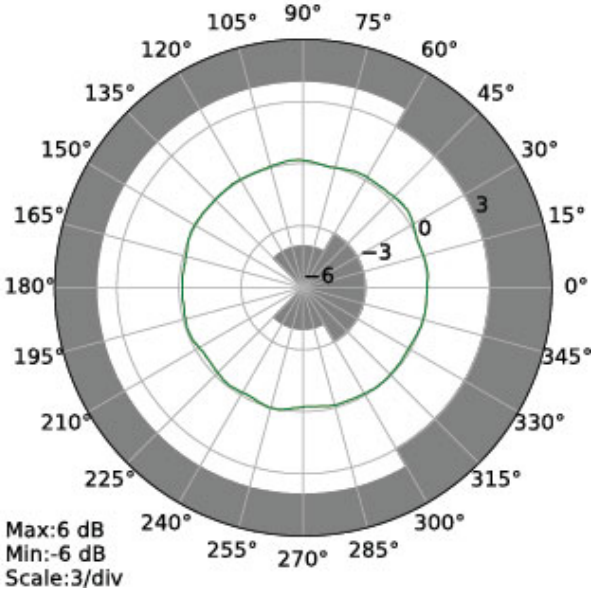
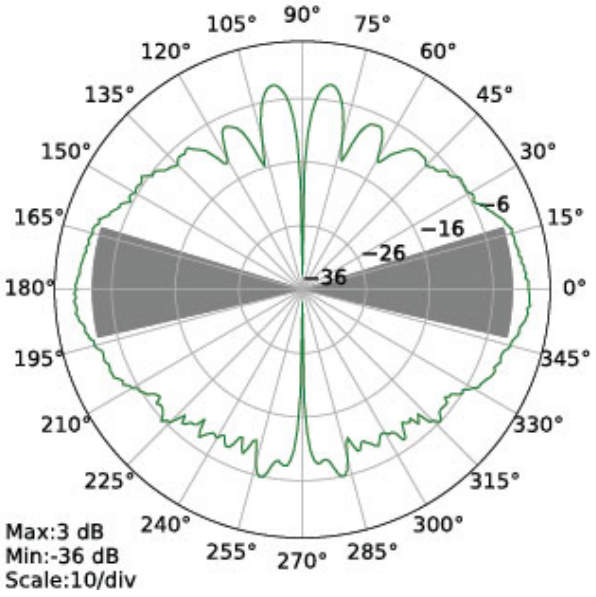
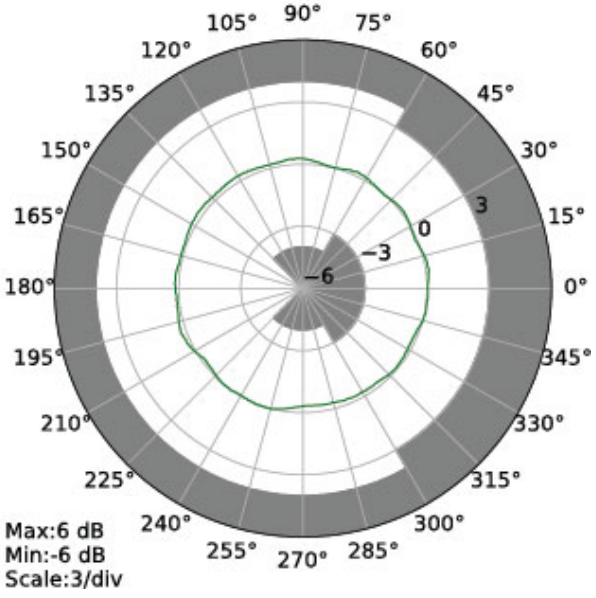


E Plane 13000.00 MHz



H Plane 13000.00 MHz



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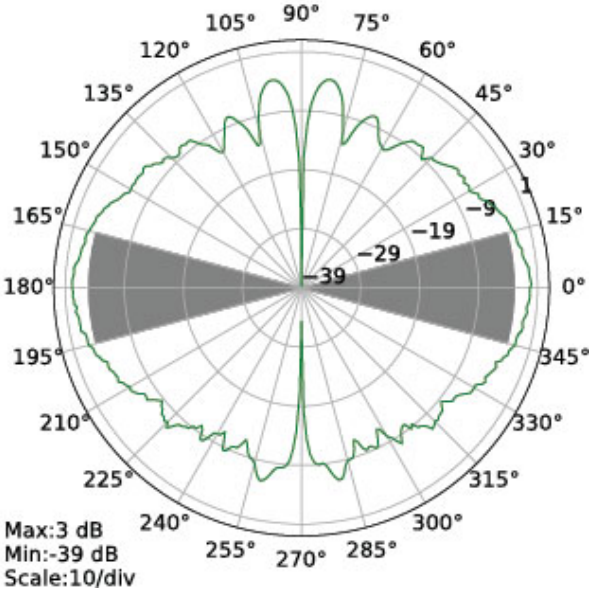
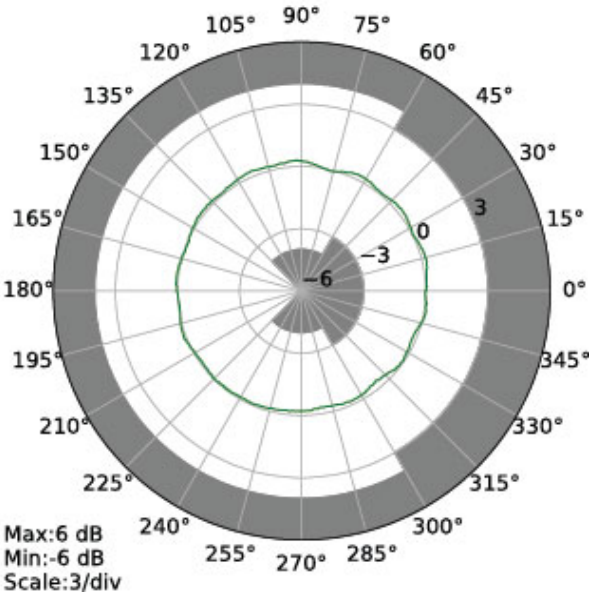
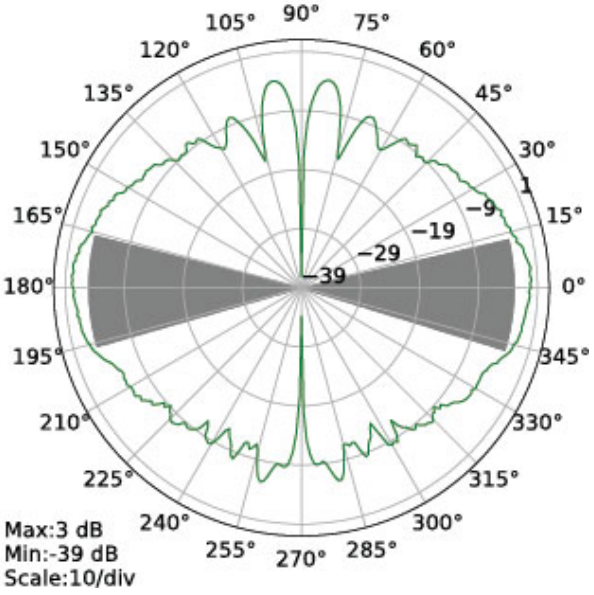


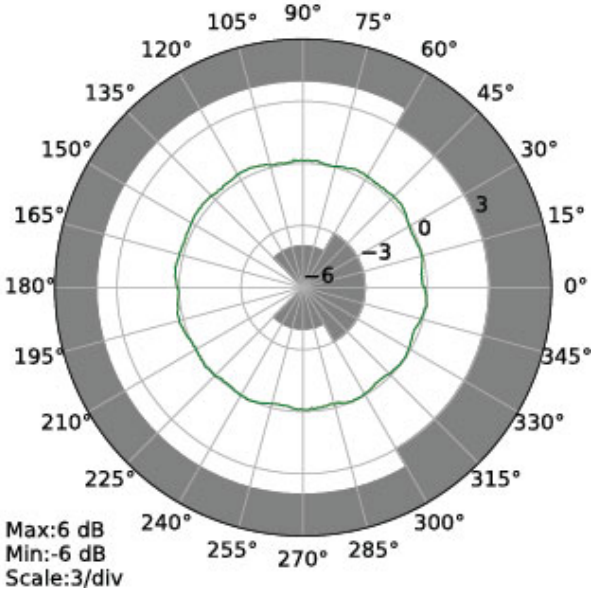
H Plane 13500.00 MHz



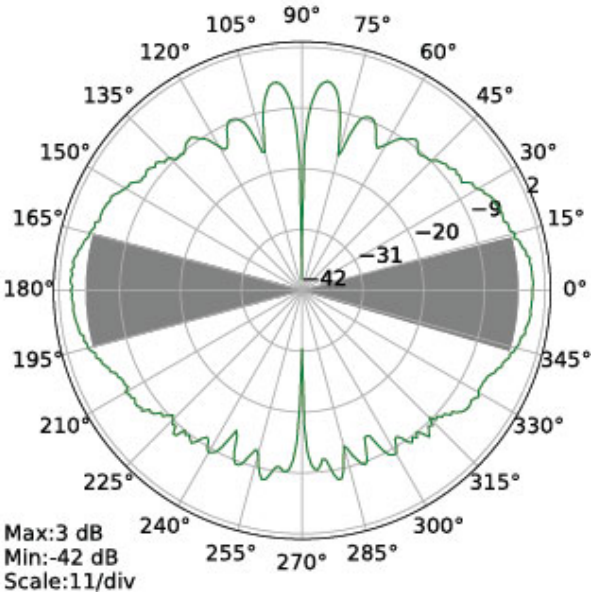
E Plane 14000.00 MHz



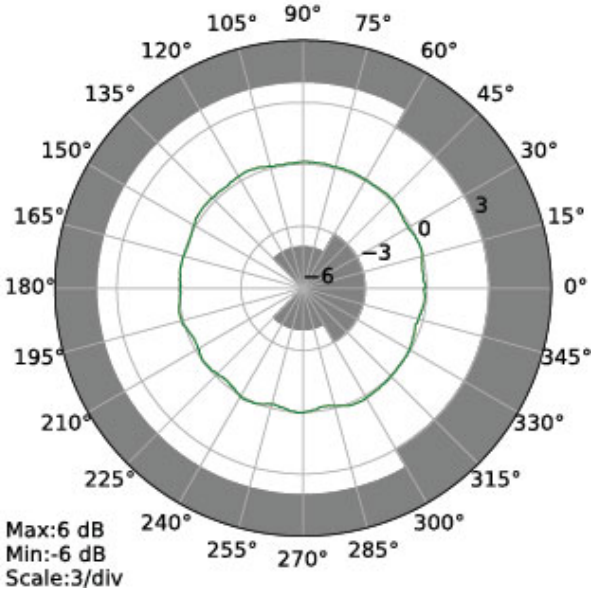
H Plane 14000.00 MHz



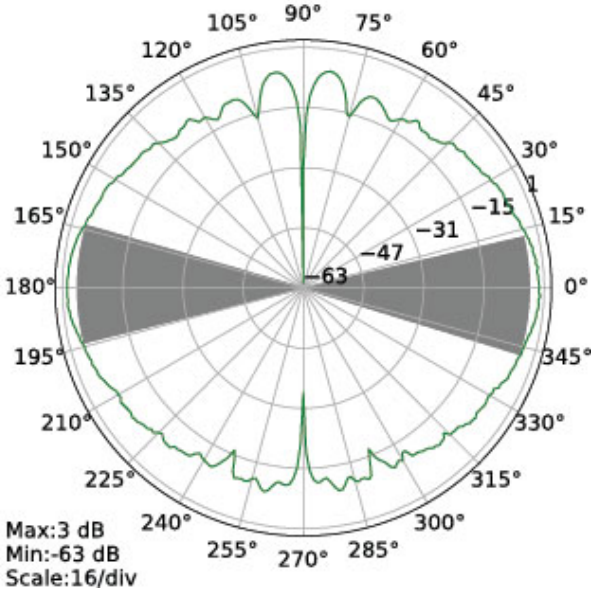
E Plane 14500.00 MHz



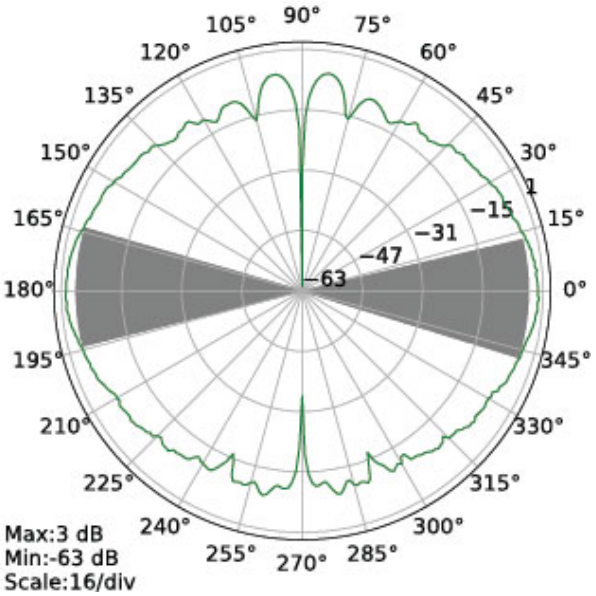
H Plane 14500.00 MHz



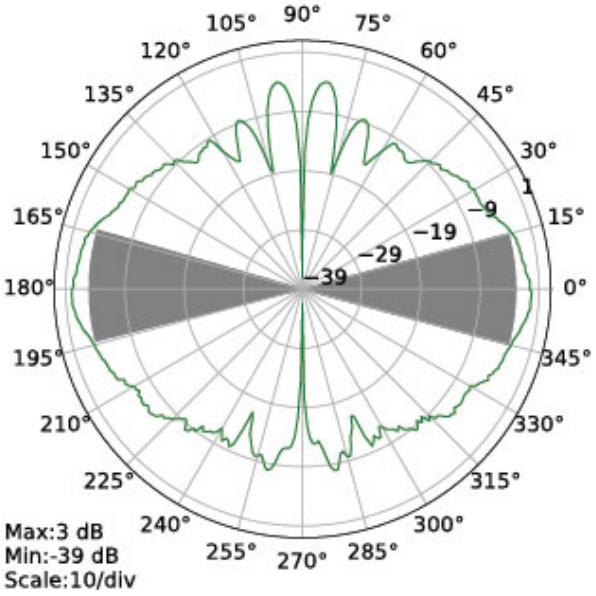
E Plane 15000.00 MHz



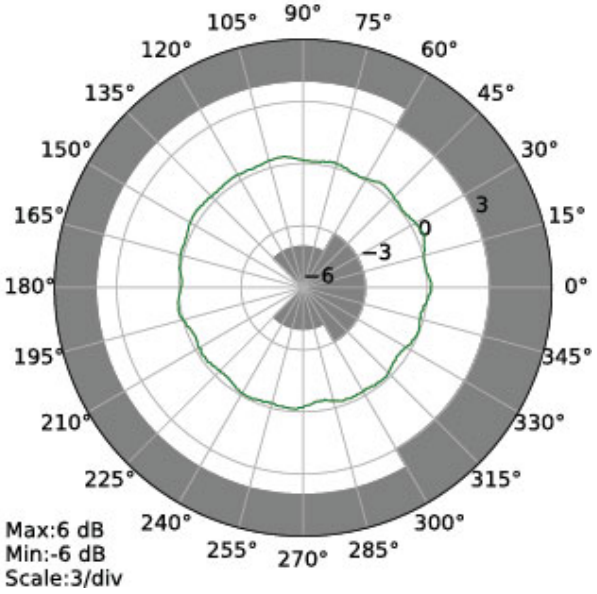
H Plane 15000.00 MHz



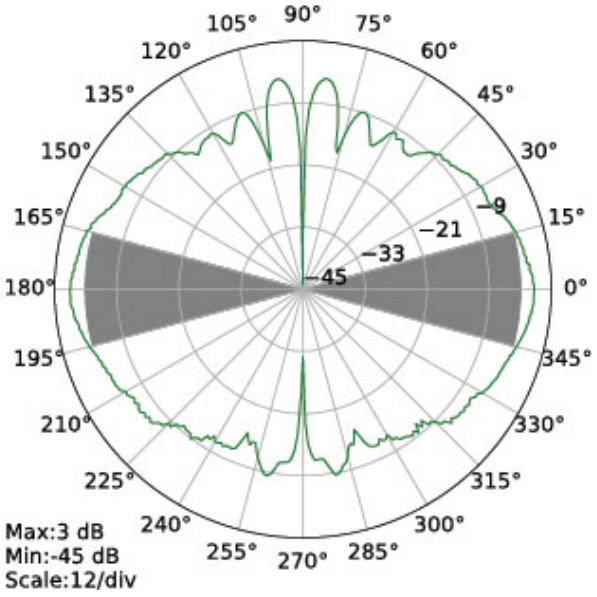
E Plane 15500.00 MHz



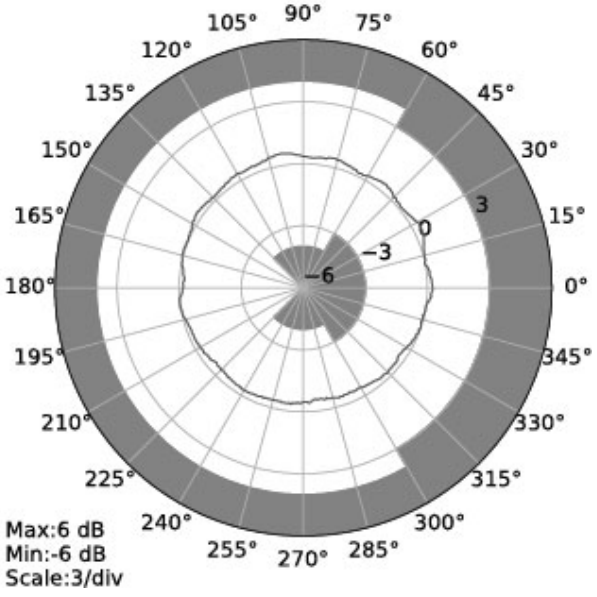
H Plane 15500.00 MHz



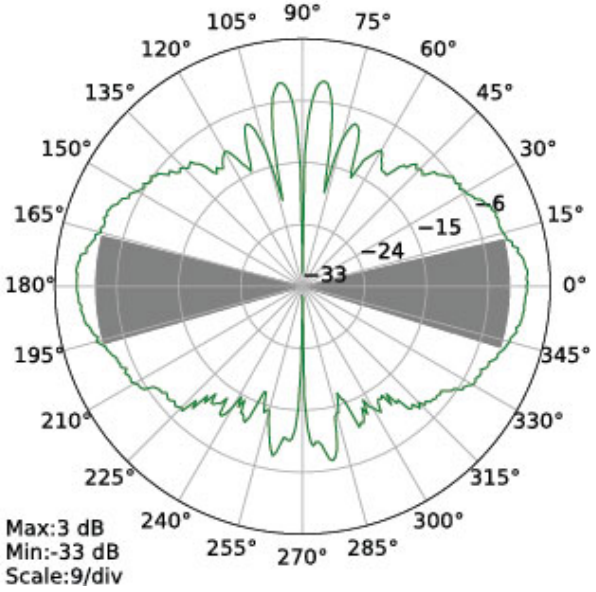
E Plane 16000.00 MHz



H Plane 16000.00 MHz



E Plane 16500.00 MHz



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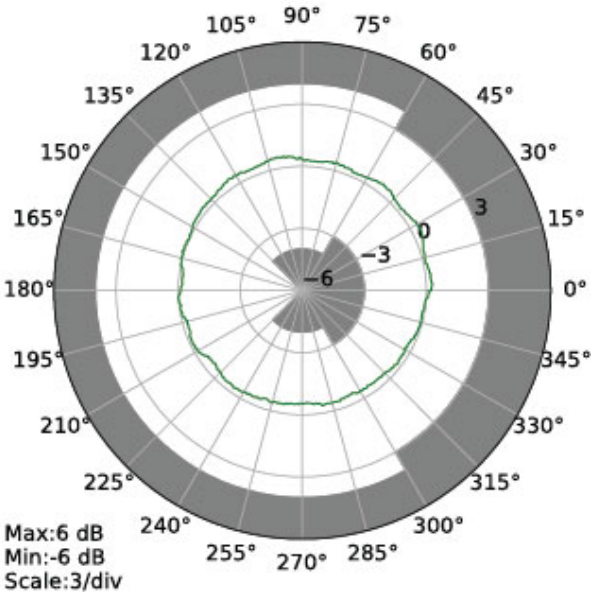
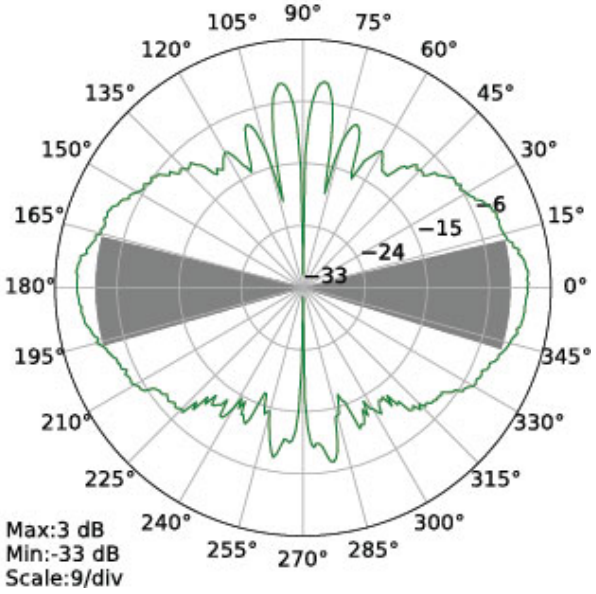
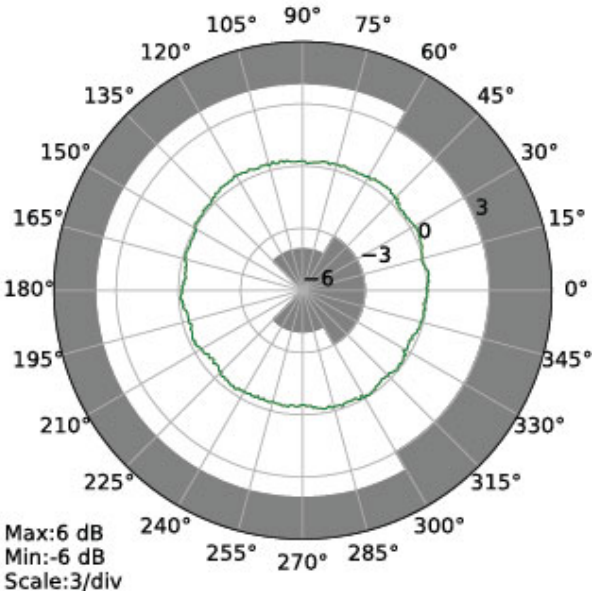


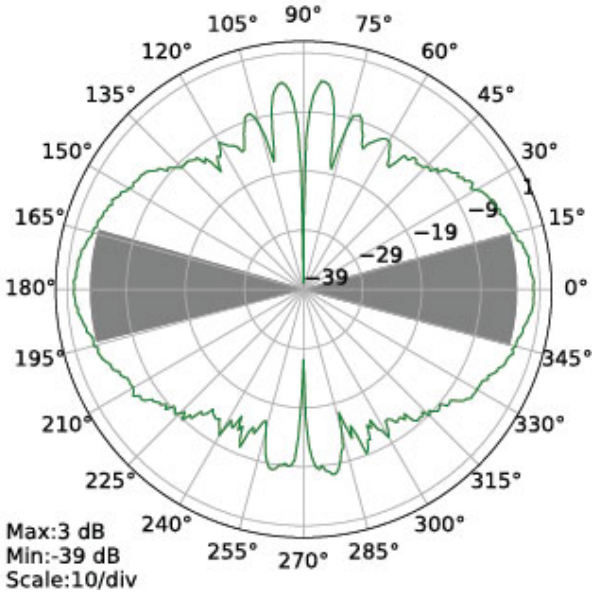
E Plane 17000.00 MHz



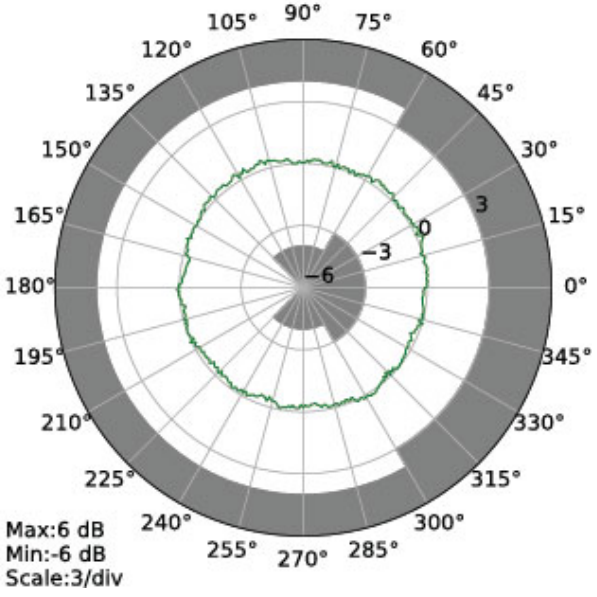
H Plane 17000.00 MHz



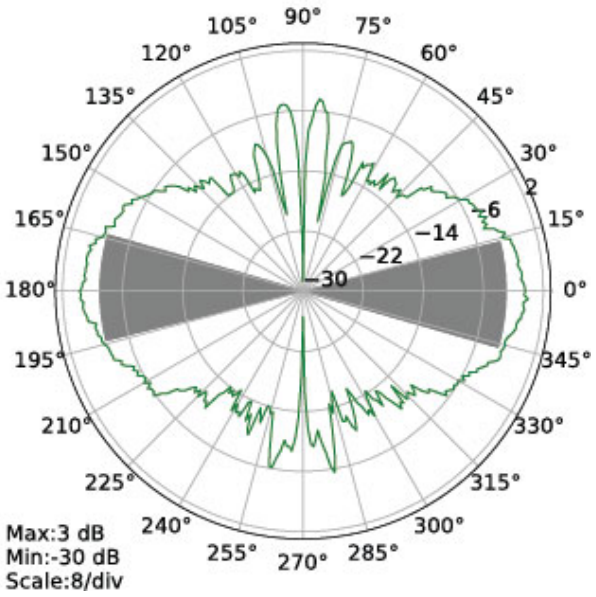
E Plane 17500.00 MHz



H Plane 17500.00 MHz



E Plane 18000.00 MHz



H Plane 18000.00 MHz