

Description: RO, 2dBi, 2300-2700 MHz, NM

Series: Radome Omni

PART NUMBER: RO25002NM



Features:

- Omnidirectional antenna
- Gain 2dBi
- Polarization Vertical
- Connector N-male
- IP67
- Low PIM -155 dBc
- DC Grounded

Applications:

- 2300-2500 MHz radios
- Rugged outdoor installations

Issue: 1711

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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ELECTRICAL SPECIFICATIONS

Antenna Type	Dipole (All electrical performance measured “in free space”)
Frequency	2300-2700 MHz
Nominal Impedance	50 Ω
VSWR	2:1
Radiation Pattern	Omni
HPBW / Vertical Plane	70 °
Gain	2 dBi
Efficiency	85 %
Polarization	Vertical
Power Withstanding	50 W
PIM at 2x20 watts	-155 dBc
E.S.D. Protection	DC Grounded

MECHANICAL SPECIFICATIONS

Overall Length	121.9 mm
Weight	91 g
Antenna Color / Material	White / Polyester-fiberglass, UV protected
Connector type	N-Male

ENVIRONMENTAL SPECIFICATIONS

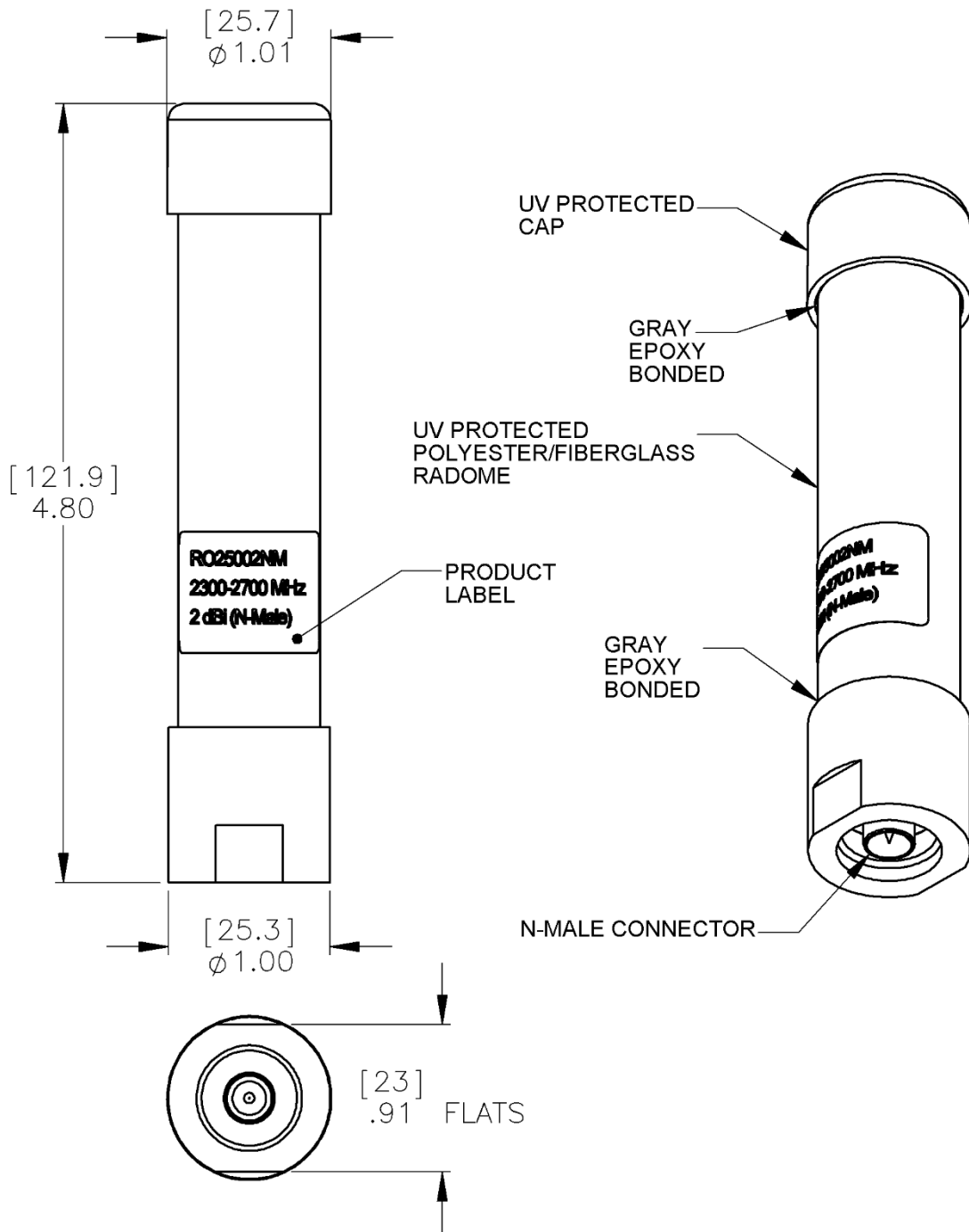
Operating Temperature	-40/+85° C
Ingress Protection	IP67
Wind-loading	241.4 km/h (150 mph)
Temperature Cyclic	-40°C dwell 6 hours/+65°C dwell 6 hours, 4 full cycles
Leak test	Fully submerged 12”, 12 hours
RoHS Compliant	Yes

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MECHANICAL DRAWING



All dimensions are in mm / inches

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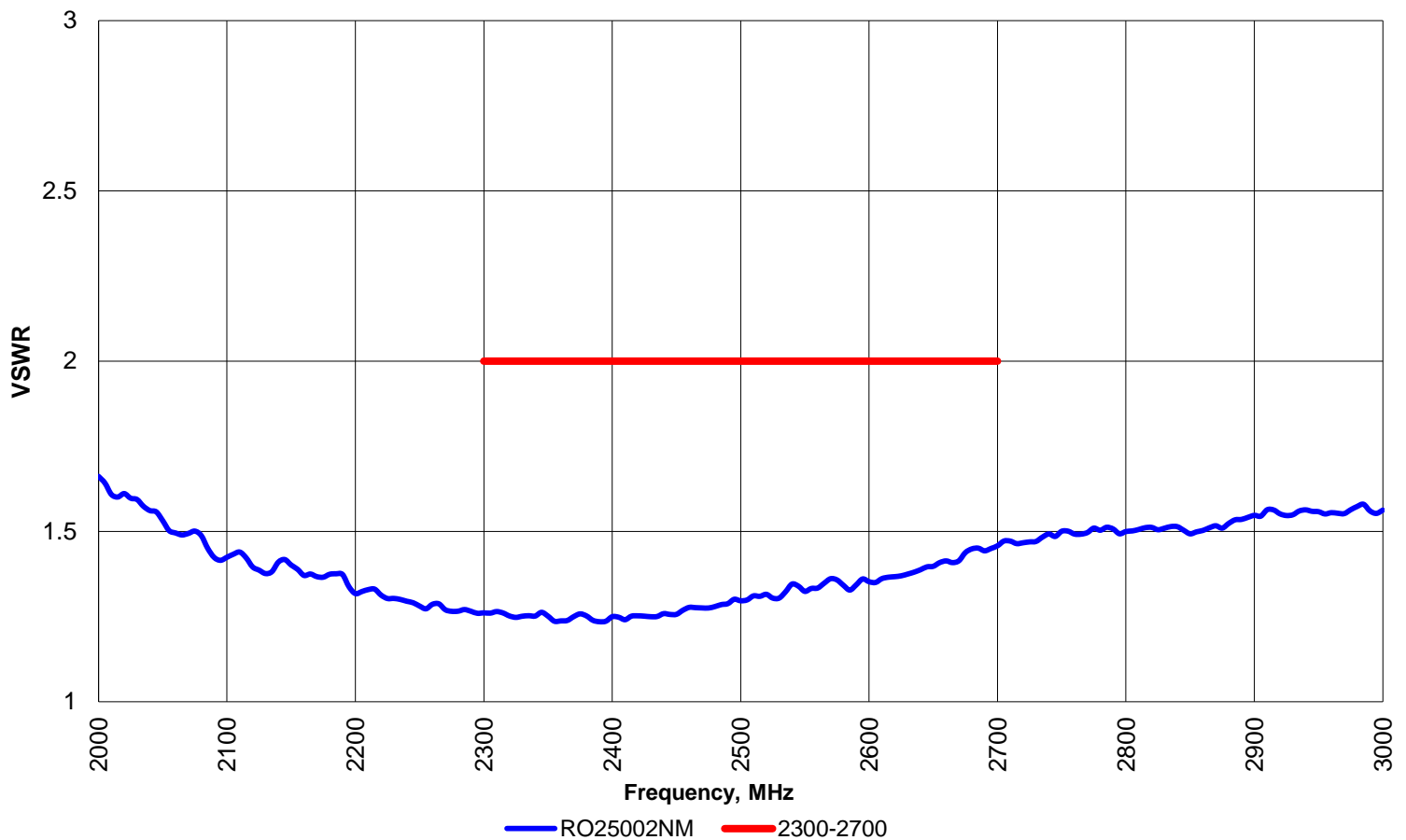
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CHARTS

VSWR vs Frequency
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



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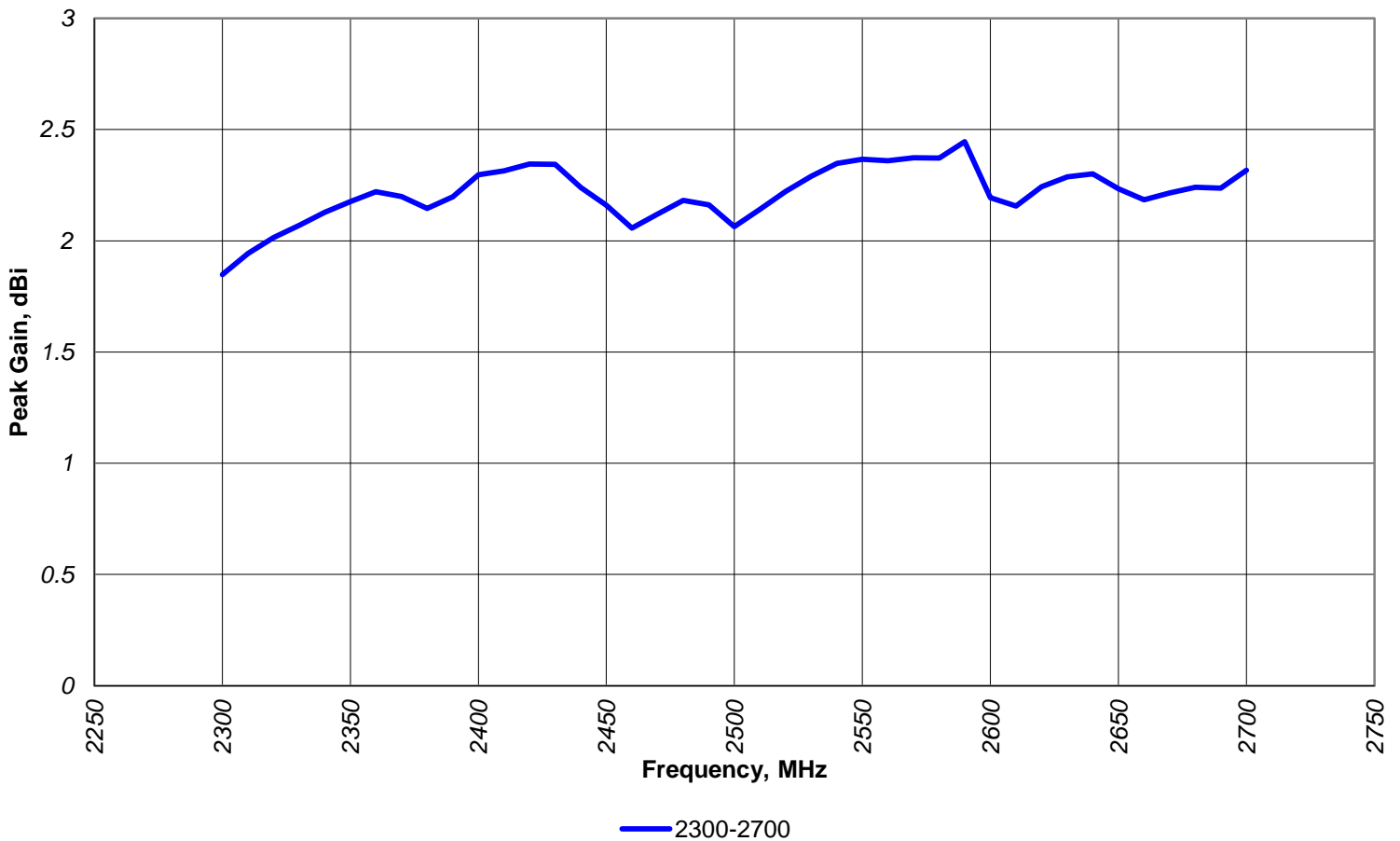
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CHARTS

Peak Gain vs Frequency
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



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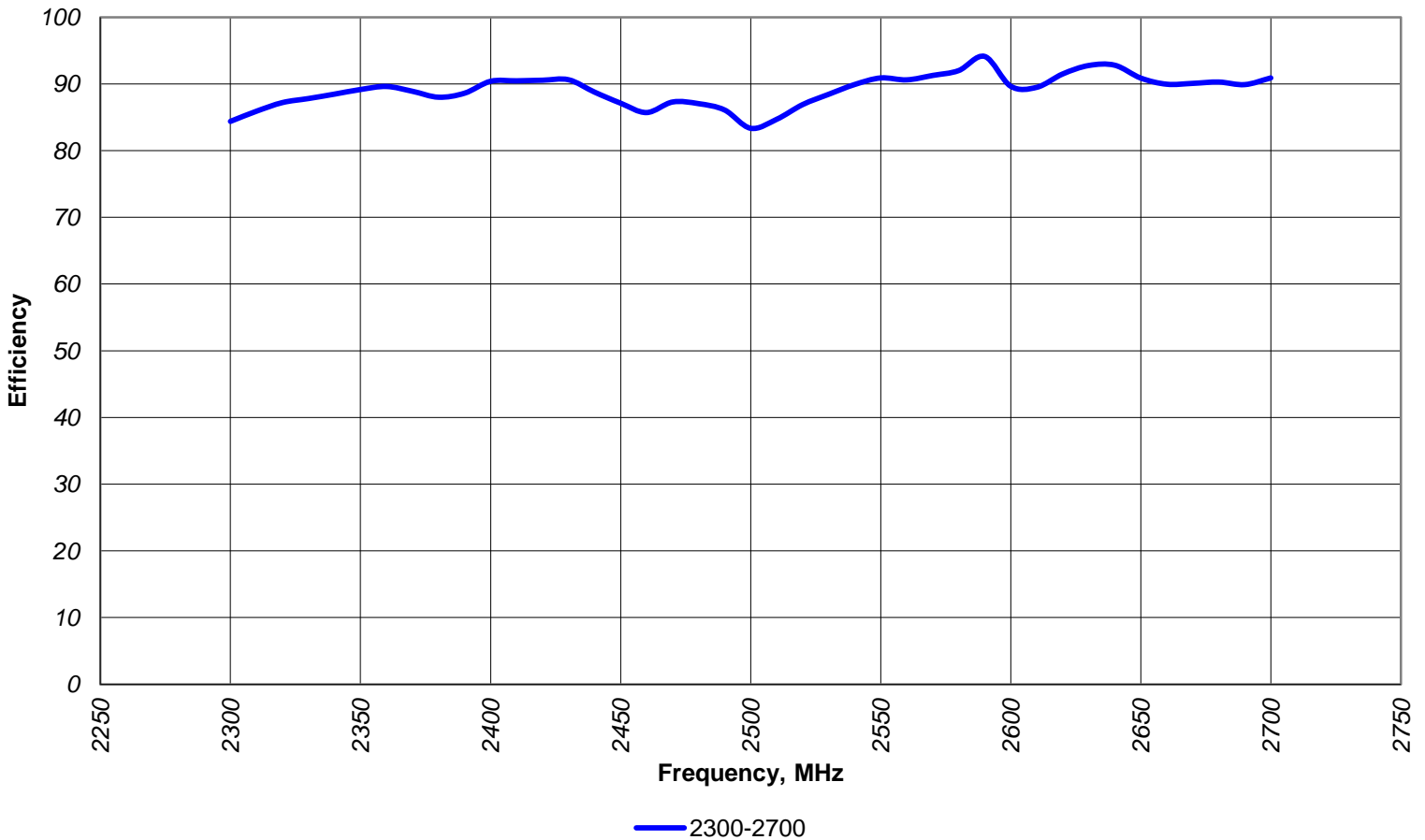
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CHARTS

Efficiency vs Frequency
RO25002NM

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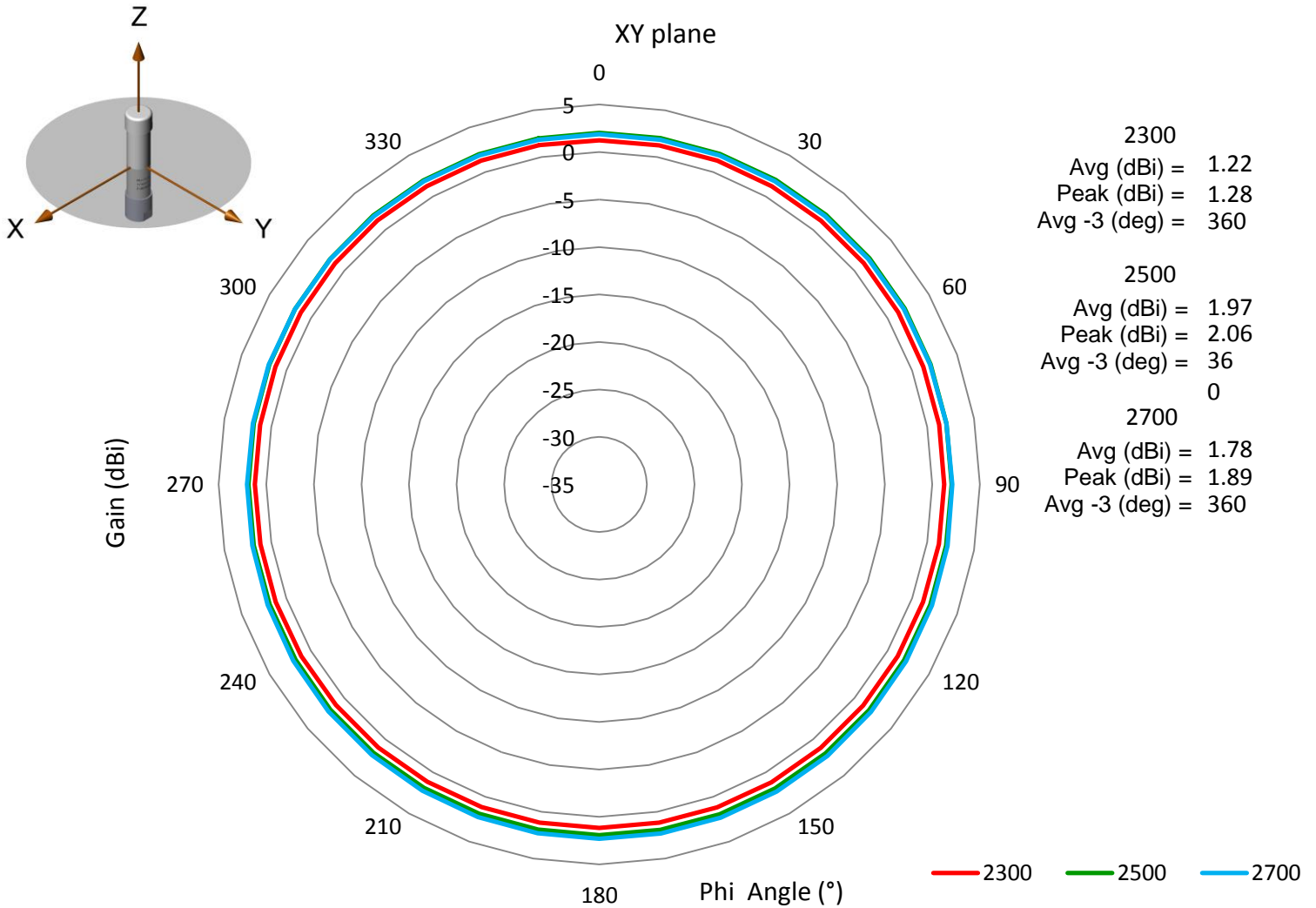
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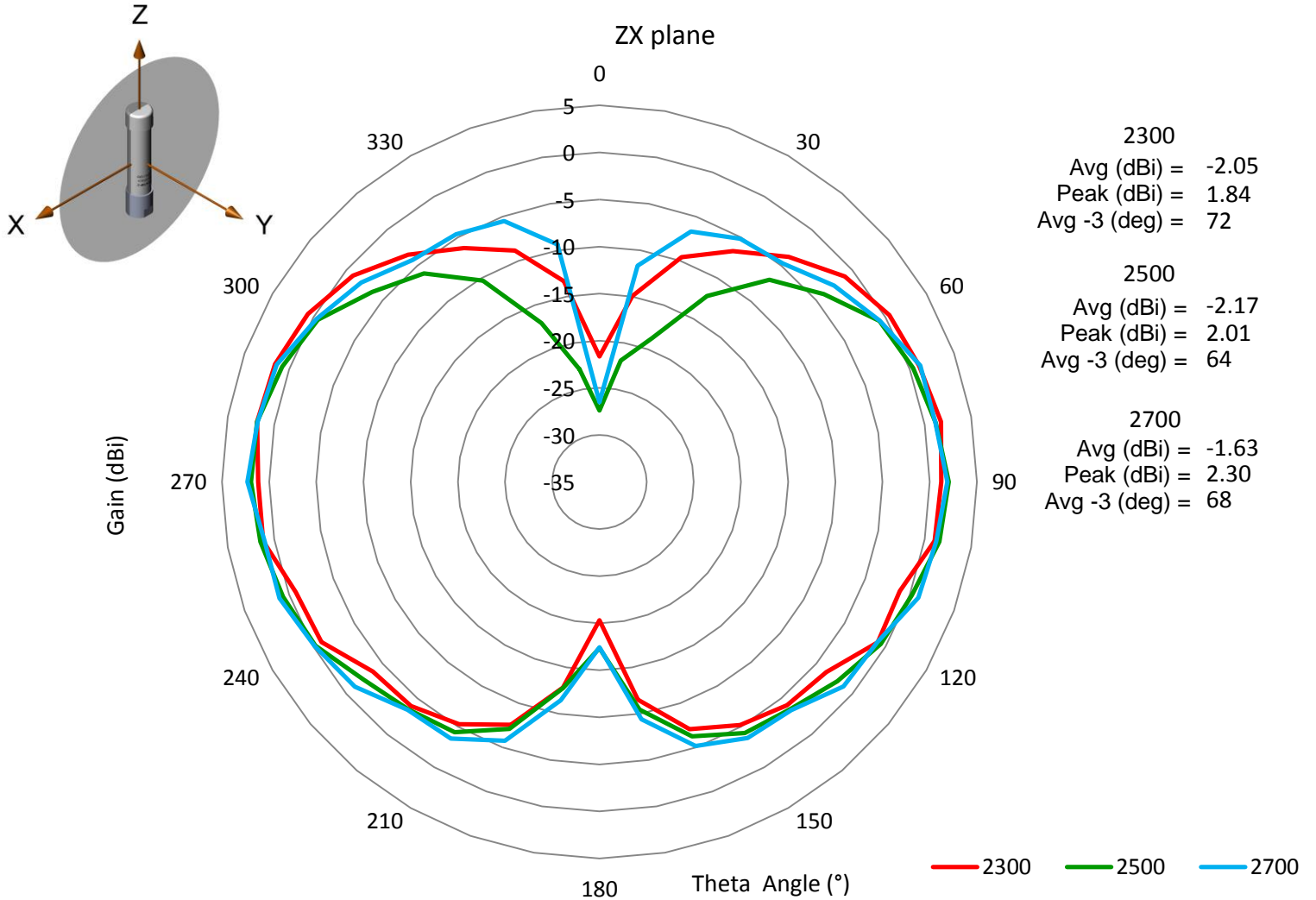
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