

Series: Radome Omni

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

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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Description: RO, 2dBi, 2300-2700 MHz, NM**Series:** Radome Omni**PART NUMBER:** RO25002NM**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

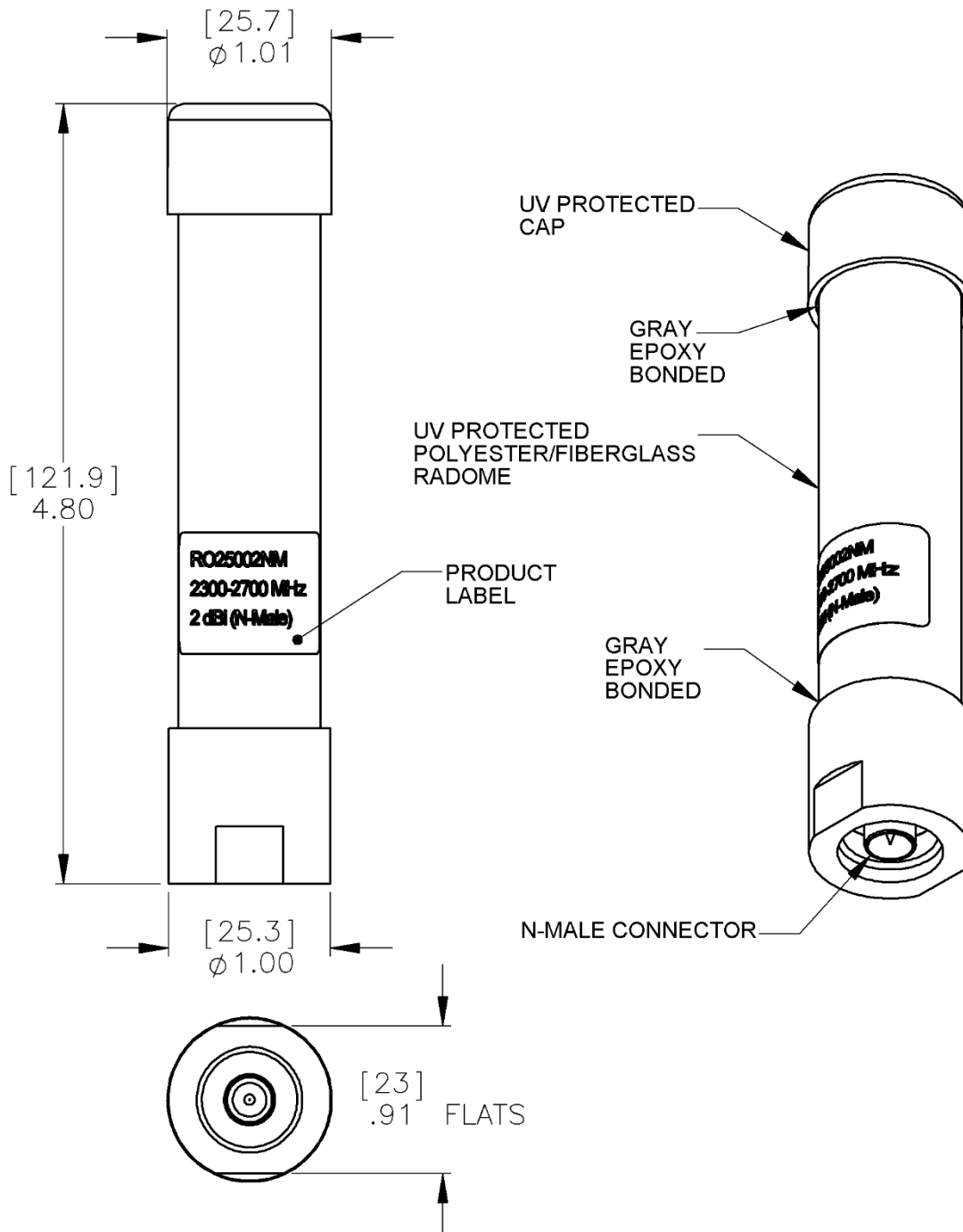
| | |
|-----------------------|--|
| Operating Temperature | -40/+85° C |
| Ingress Protection | IP67 |
| Wind-loading | 241.4 km/h (150 mph) |
| Temperature Cyclic | -40°C dwell 6 hours/+65°C dwell 6 hours, 4 full cycles |
| Leak test | Fully submerged 12", 12 hours |
| RoHS Compliant | Yes |

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MECHANICAL DRAWING



All dimensions are in mm / inches

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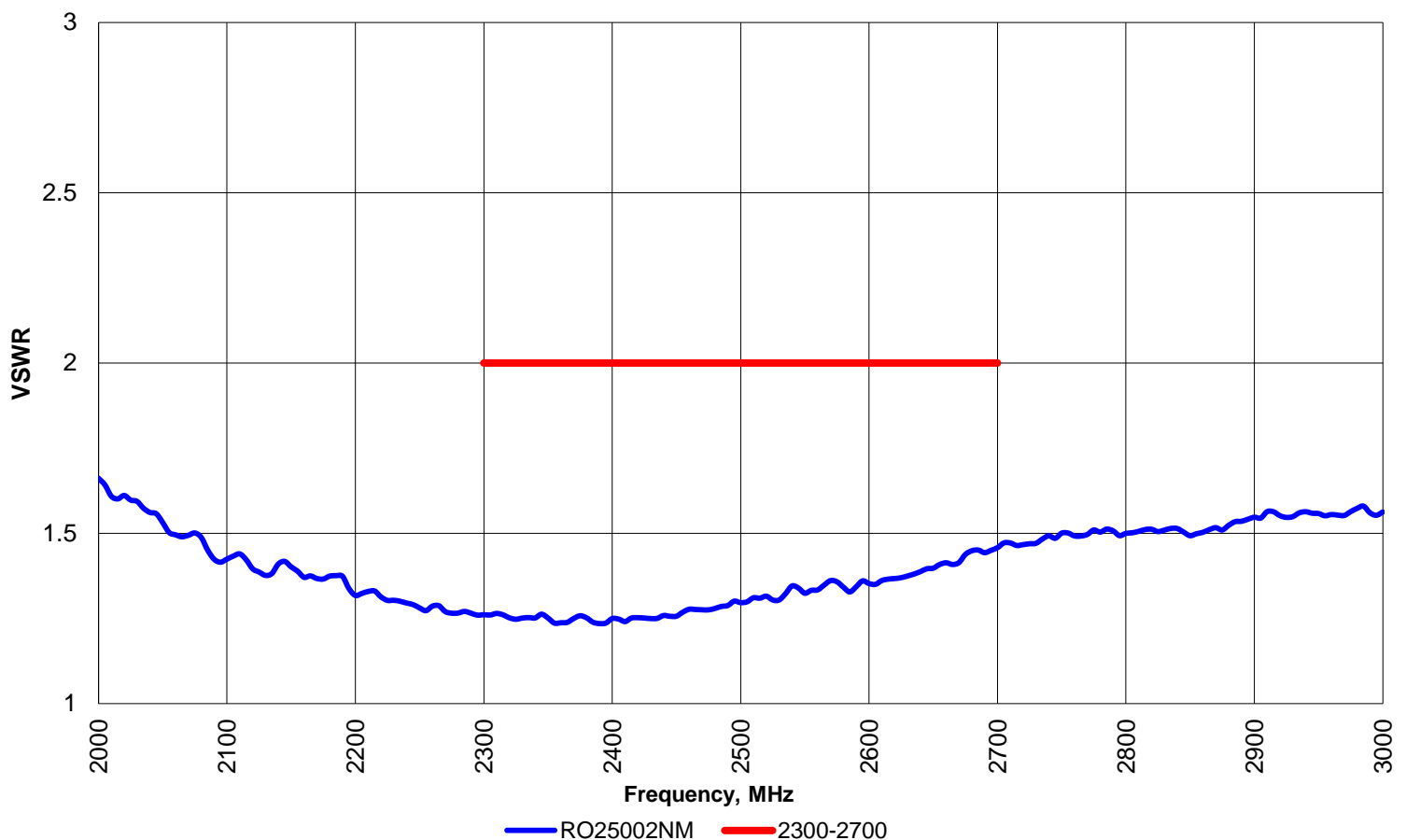
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CHARTS

VSWR vs Frequency RO25002NM

Measured at Pulse, USA - Feb 03, 2017



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

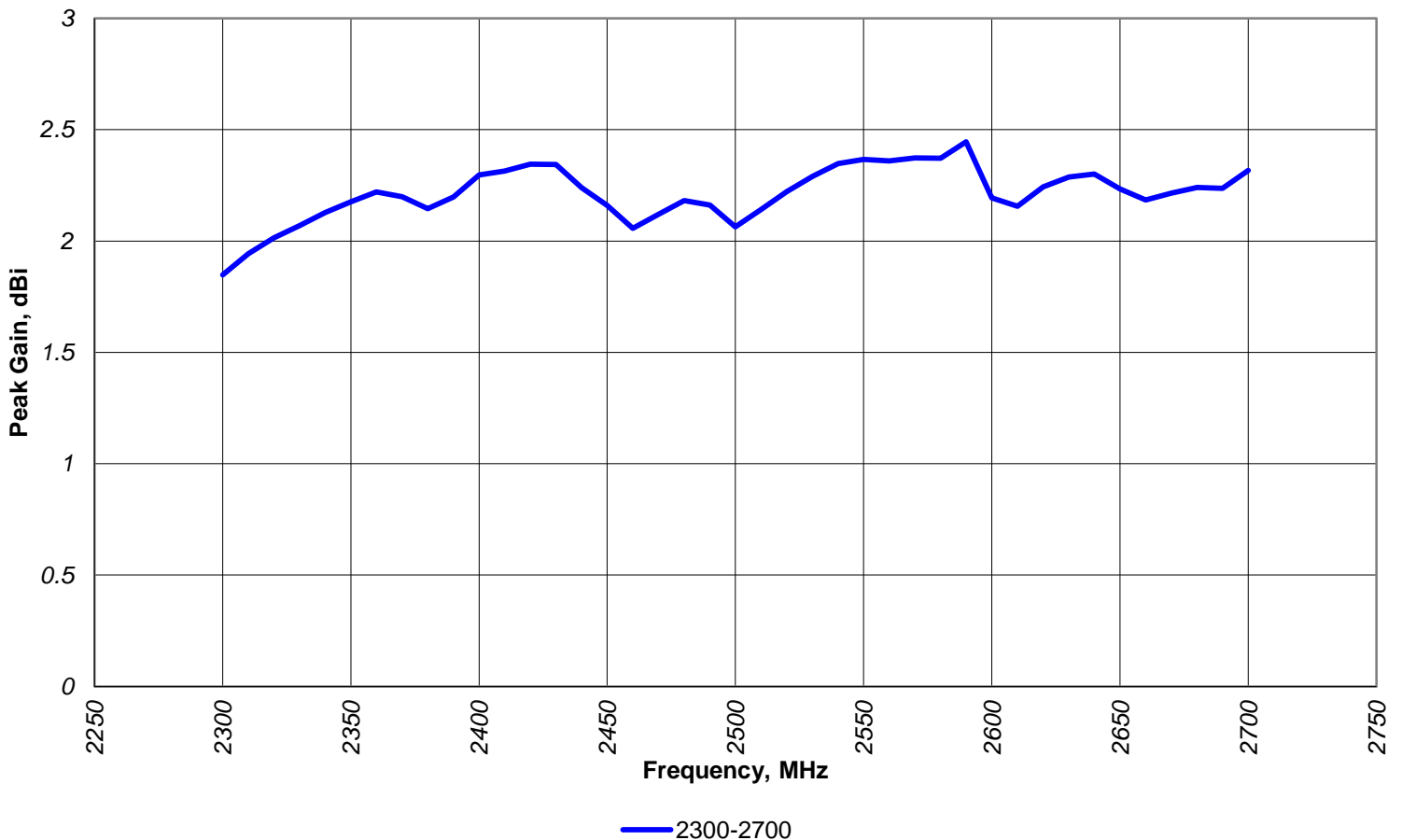
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CHARTS

Peak Gain vs Frequency
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



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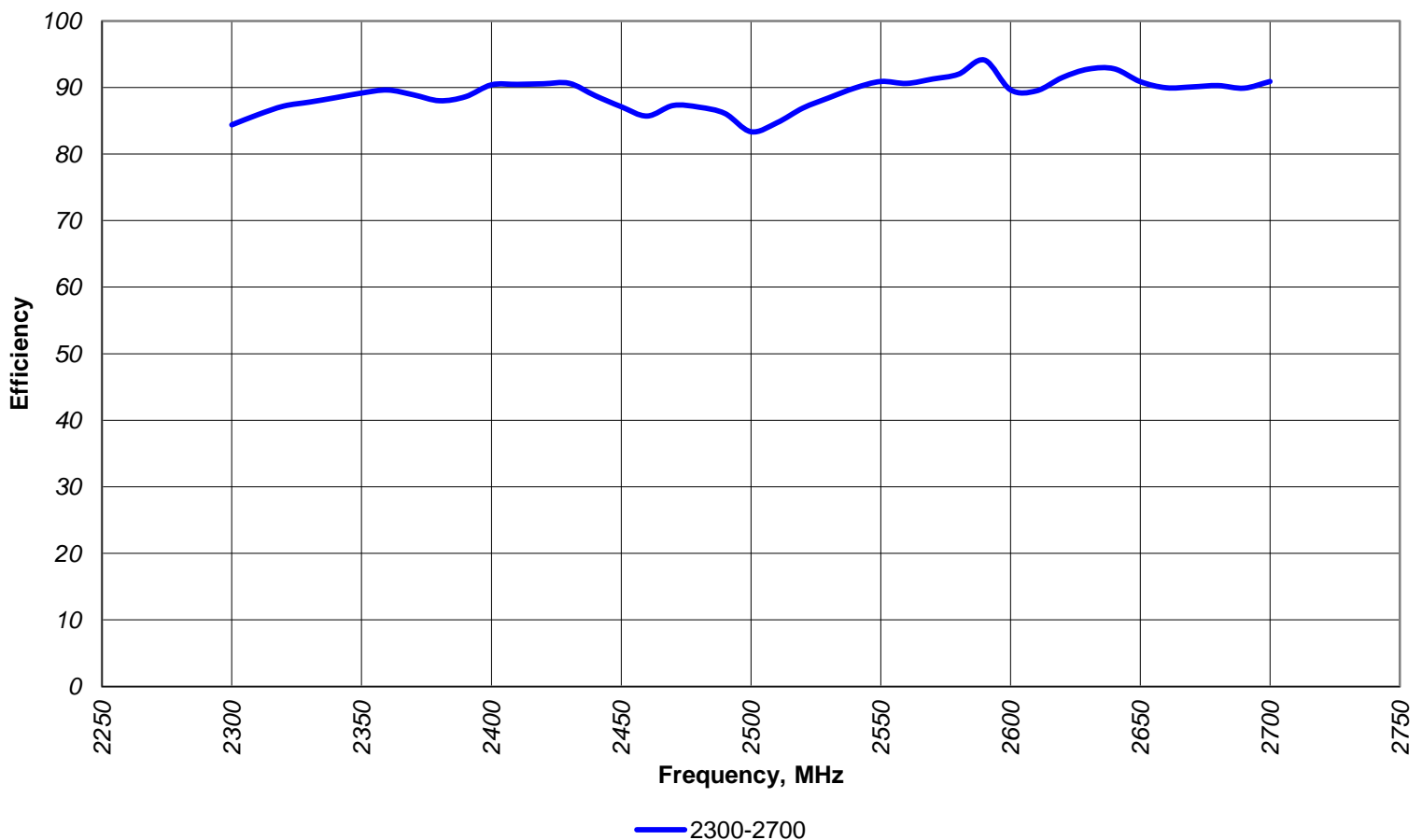
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CHARTS

Efficiency vs Frequency RO25002NM

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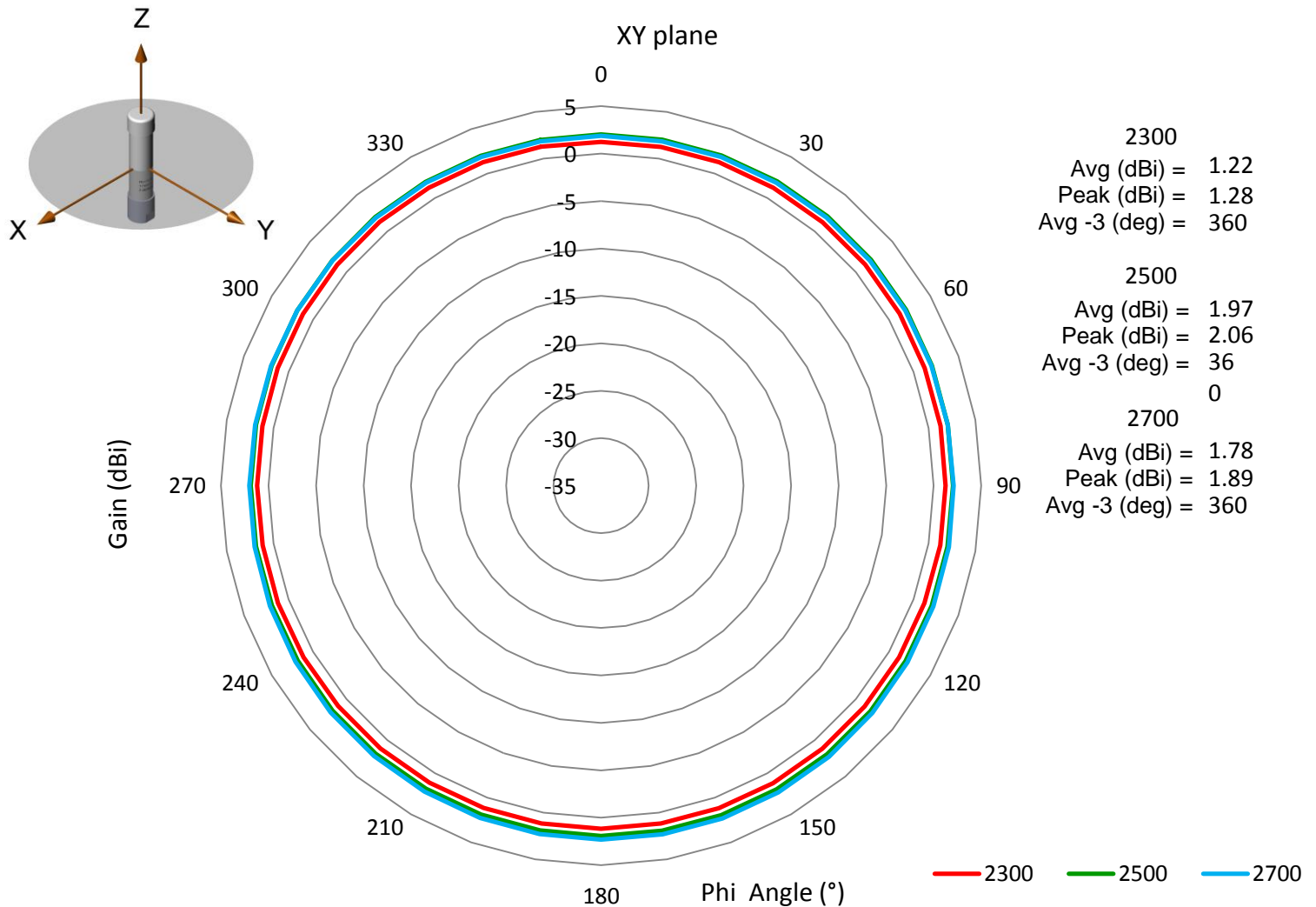
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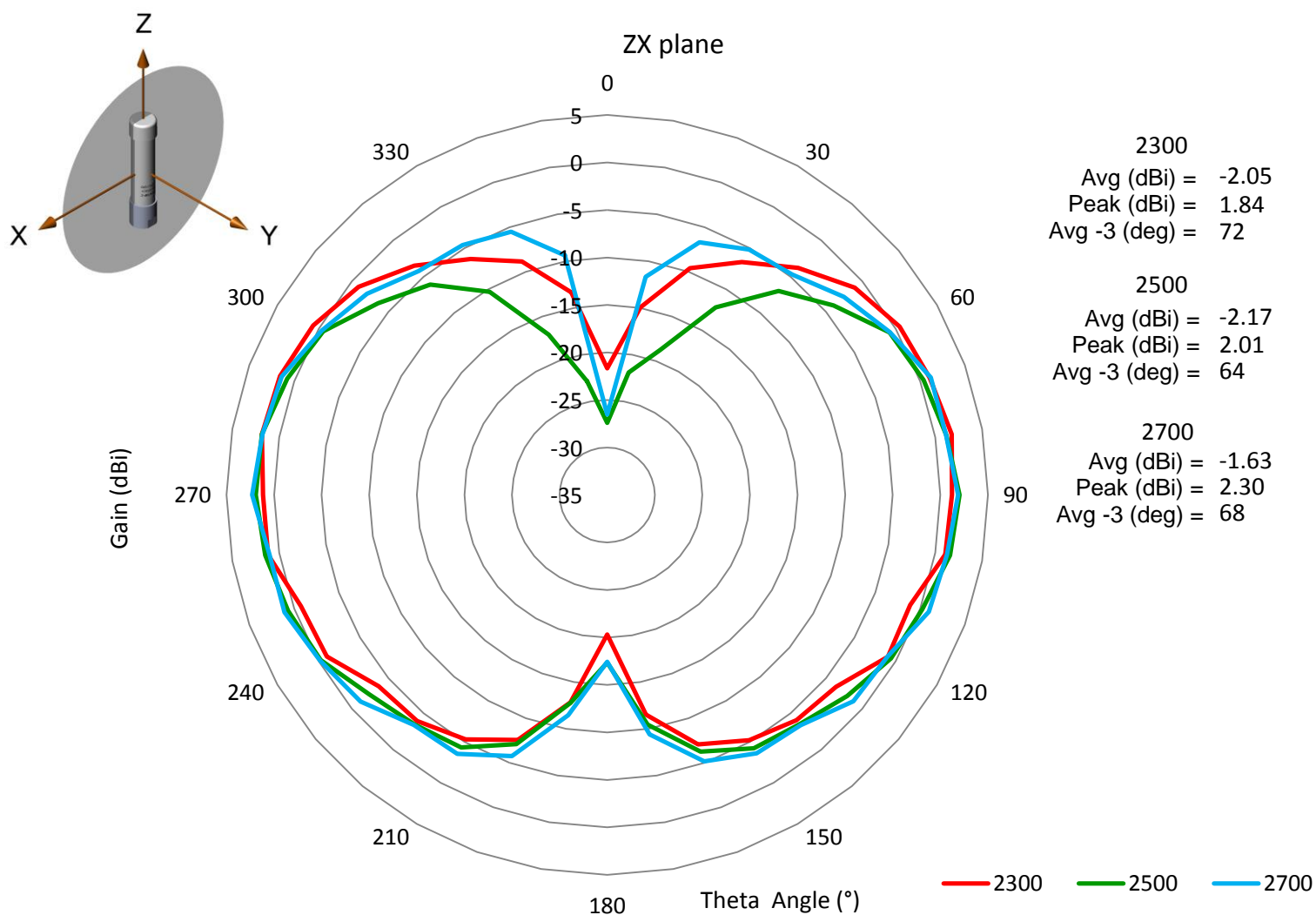
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