



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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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Tel: 86 512 6807 9998



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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

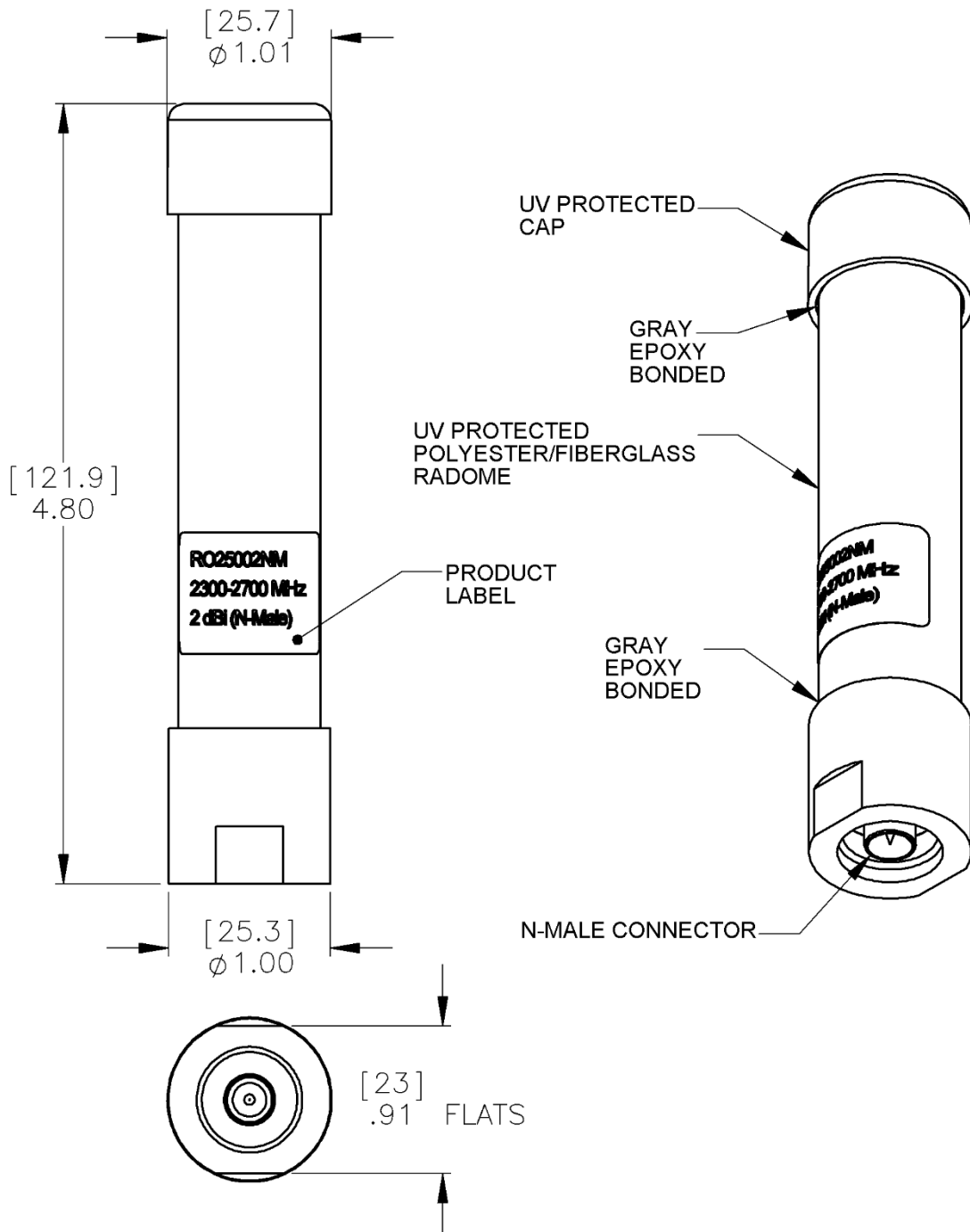
Operating Temperature	-40/+85° C
Ingress Protection	IP67
Wind-loading	241.4 km/h (150 mph)
Temperature Cyclic	-40°C dwell 6 hours/+65°C dwell 6 hours, 4 full cycles
Leak test	Fully submerged 12”, 12 hours
RoHS Compliant	Yes

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MECHANICAL DRAWING



All dimensions are in mm / inches

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

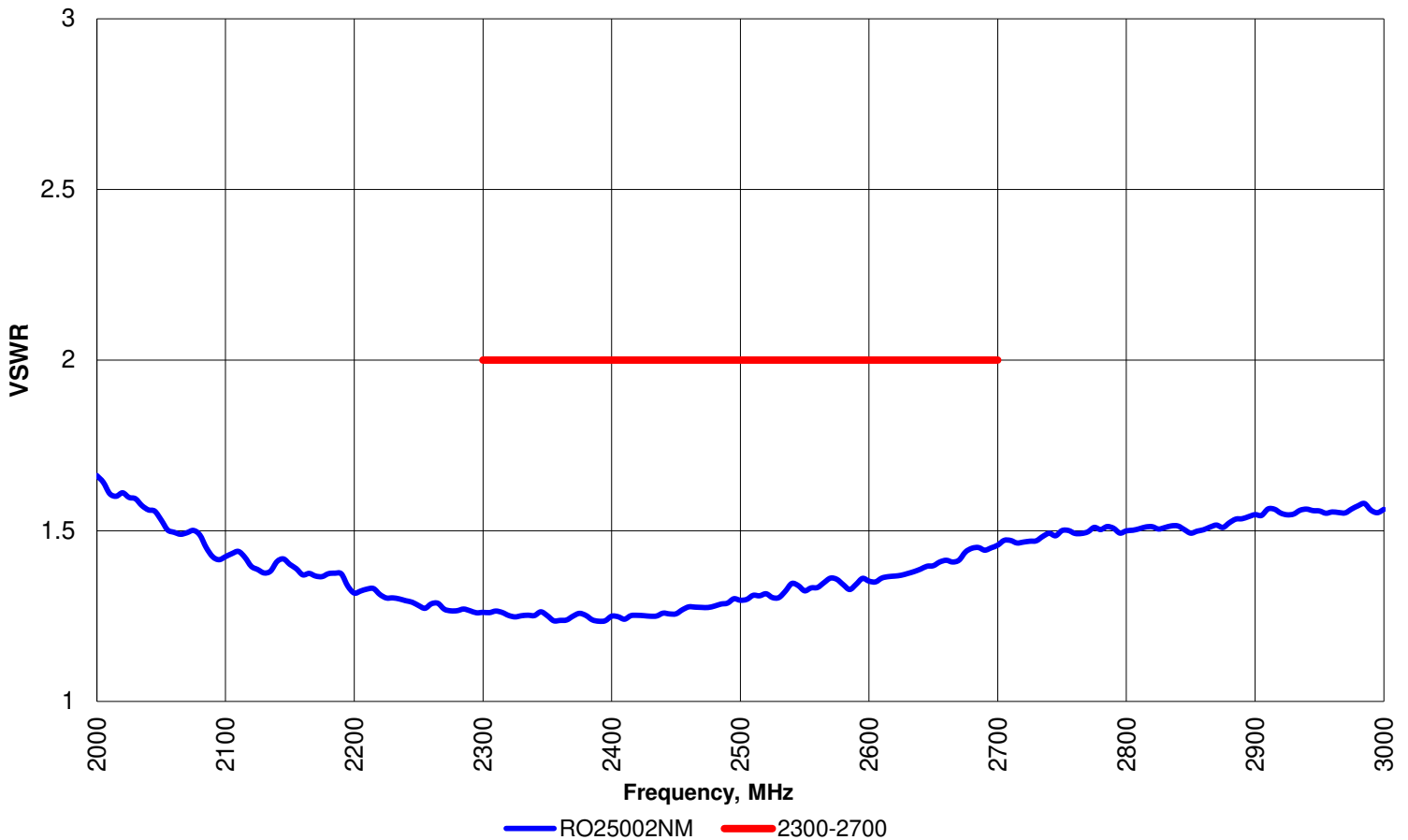
Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS

VSWR vs Frequency
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



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

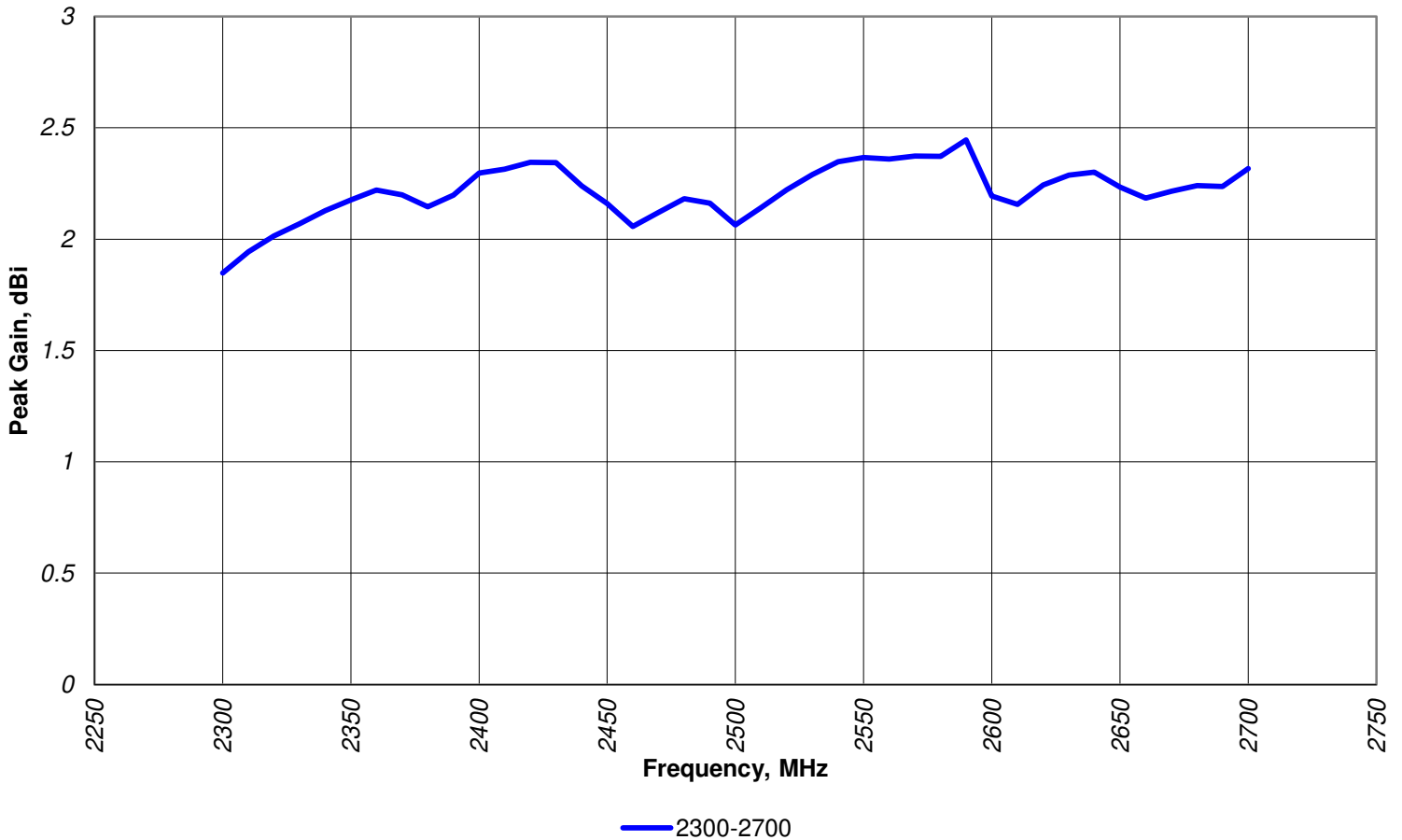
Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS

Peak Gain vs Frequency
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



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

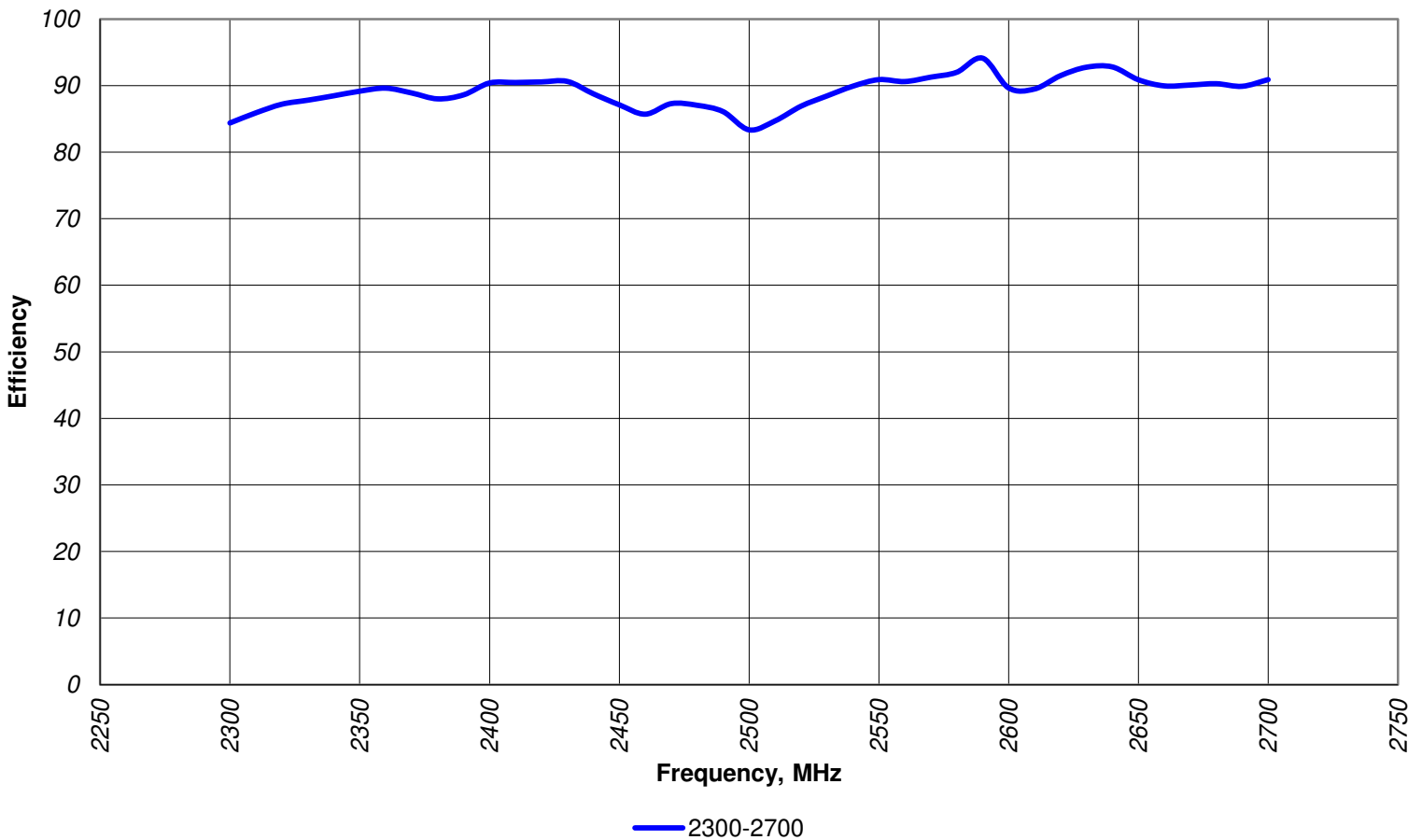
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CHARTS

Efficiency vs Frequency
RO25002NM

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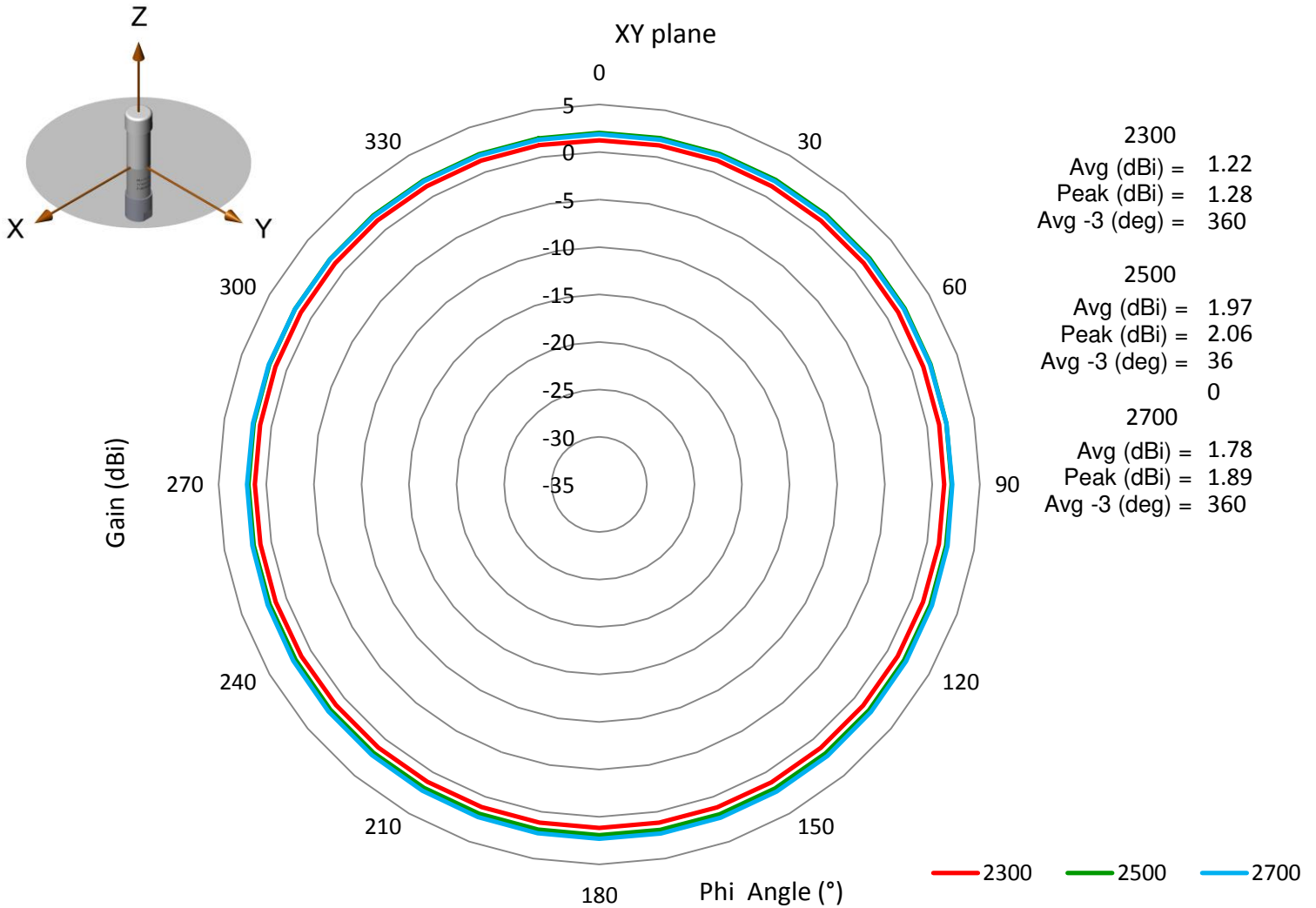


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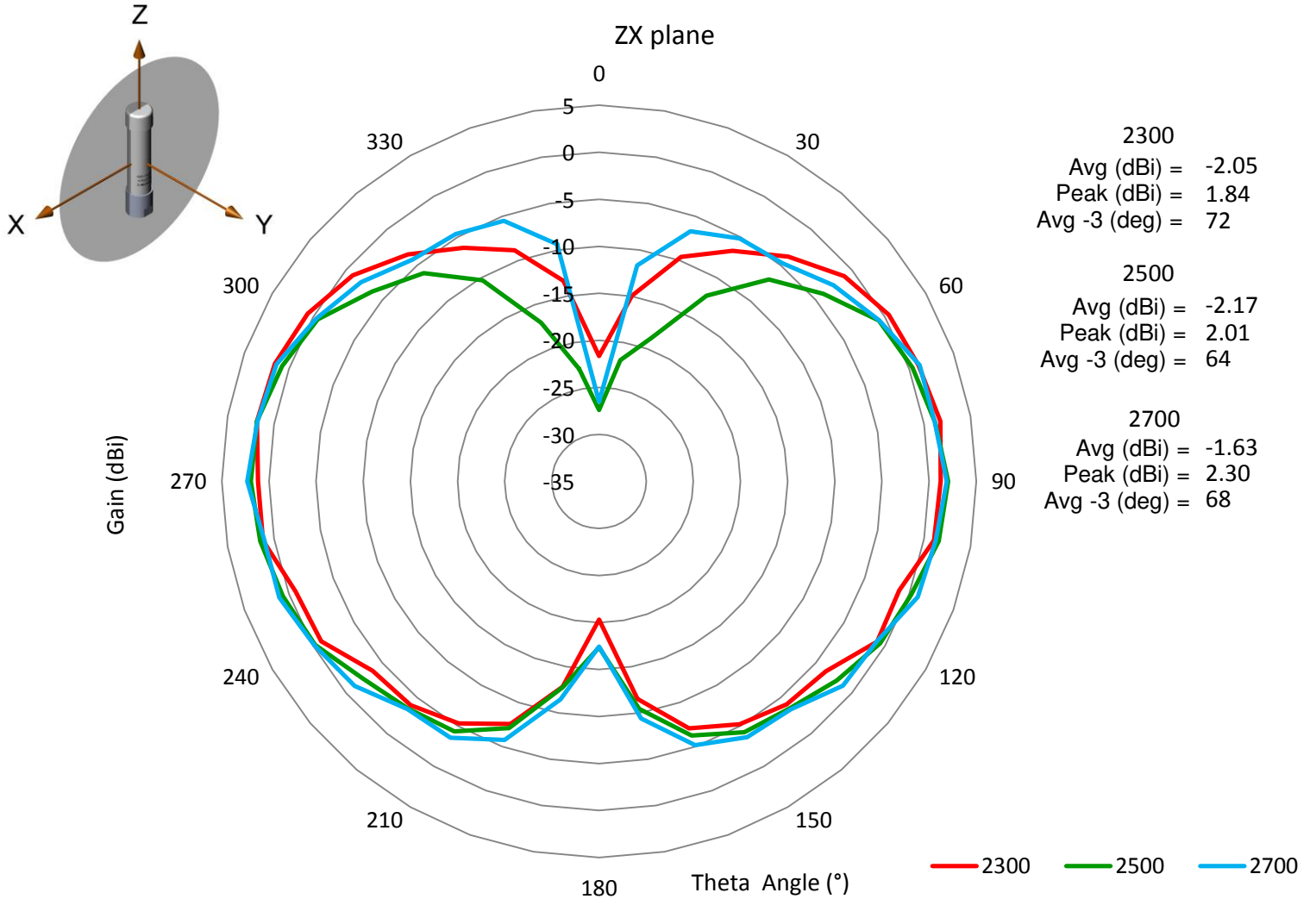
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