

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.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

For more information:

Pulse Worldwide Headquarters  
15255 Innovation Drive #100  
San Diego, CA 92128  
USA  
Tel: 1-858-674-8100

Pulse/Larsen Antennas  
18110 SE 34<sup>th</sup> St Bldg 2 Suite 250  
Vancouver, WA 98683  
USA  
Tel: 1-360-944-7551

Europe Headquarters  
Pulse GmbH & Do, KG  
Zeppelinstrasse 15  
Herrenberg, Germany  
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998



**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

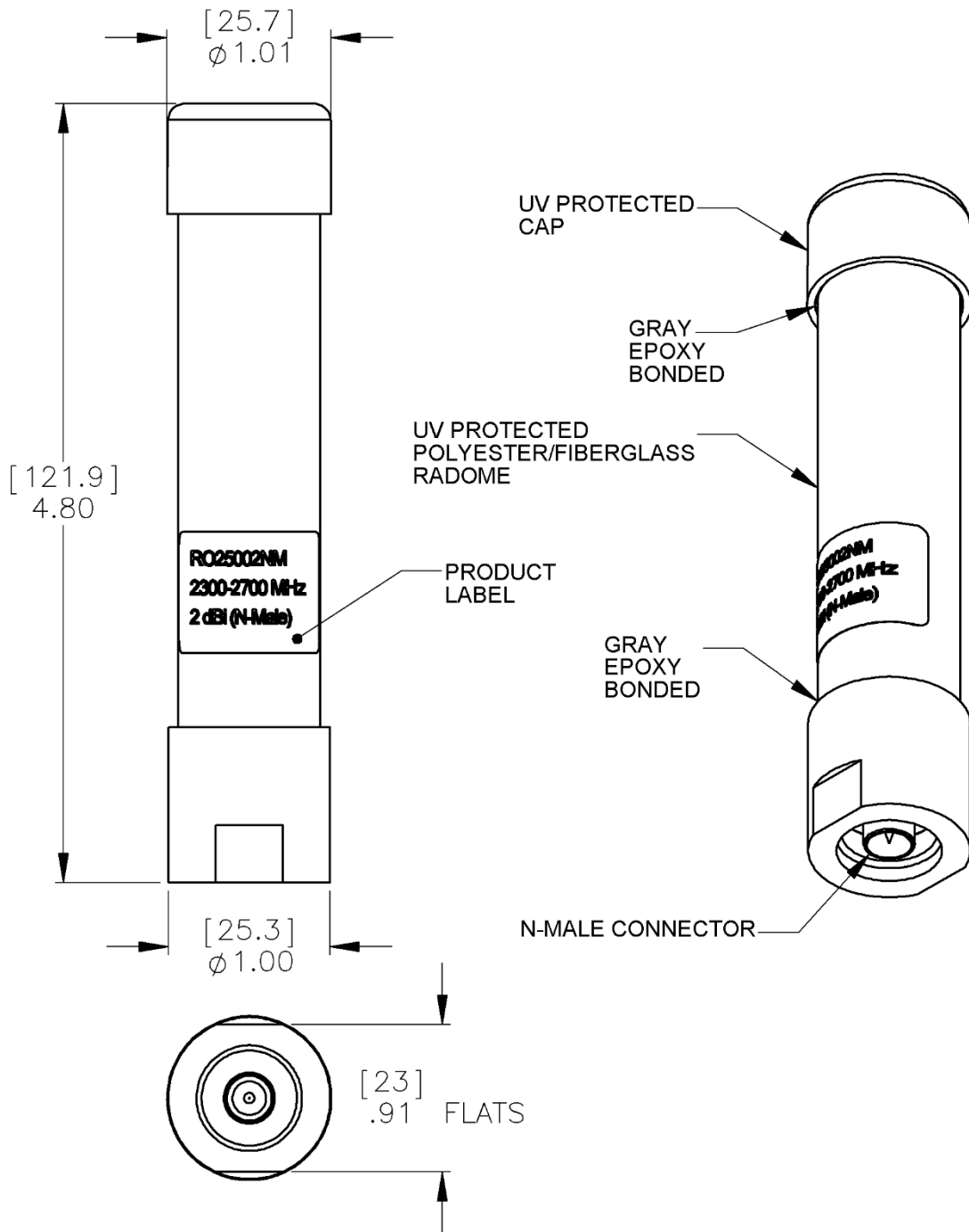
Operating Temperature	-40/+85° C
Ingress Protection	IP67
Wind-loading	241.4 km/h (150 mph)
Temperature Cyclic	-40°C dwell 6 hours/+65°C dwell 6 hours, 4 full cycles
Leak test	Fully submerged 12”, 12 hours
RoHS Compliant	Yes

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

Series: Radome Omni

PART NUMBER: RO25002NM

MECHANICAL DRAWING



All dimensions are in mm / inches

Issue: 1711

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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

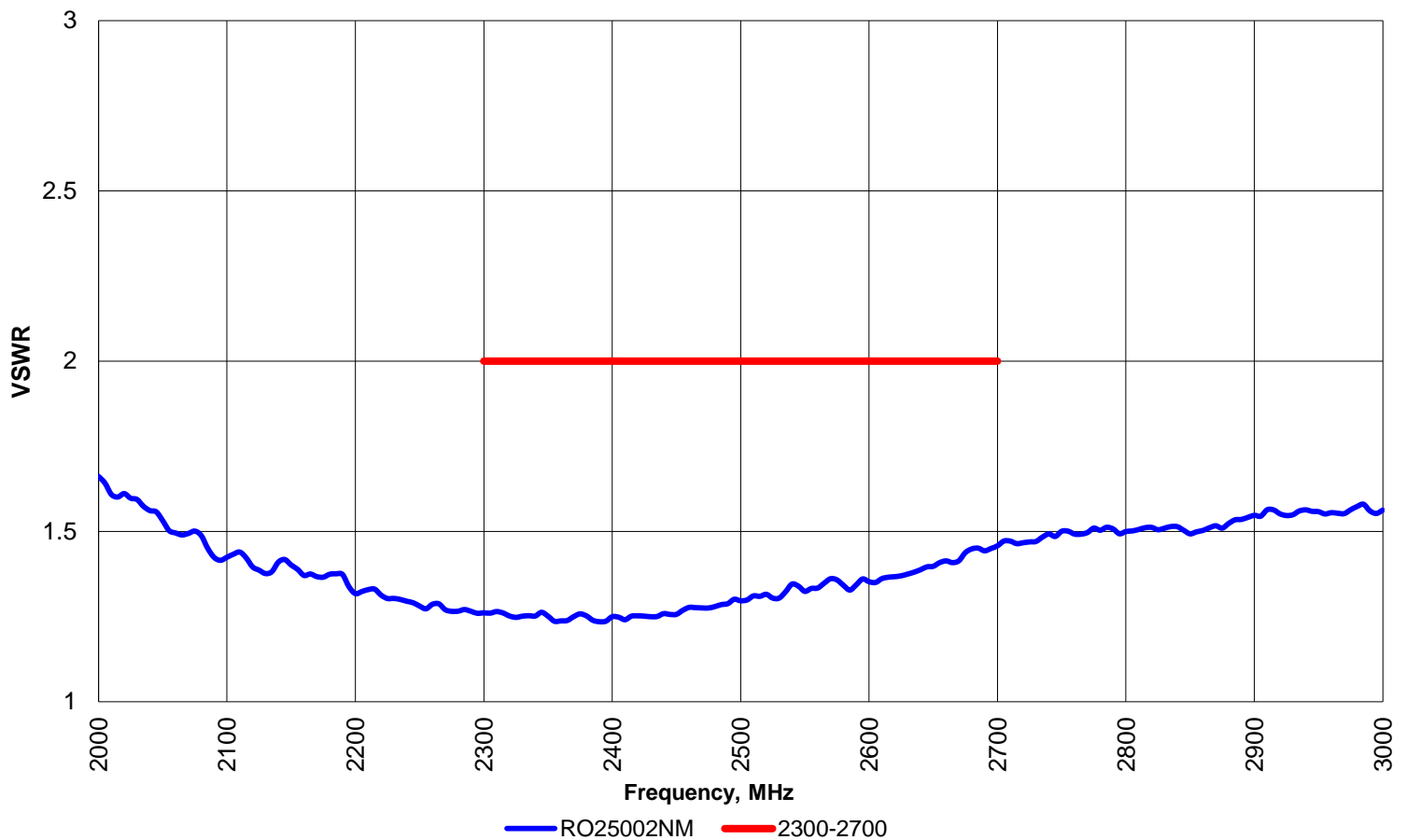
Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS

VSWR vs Frequency  
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



Issue: 1711

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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

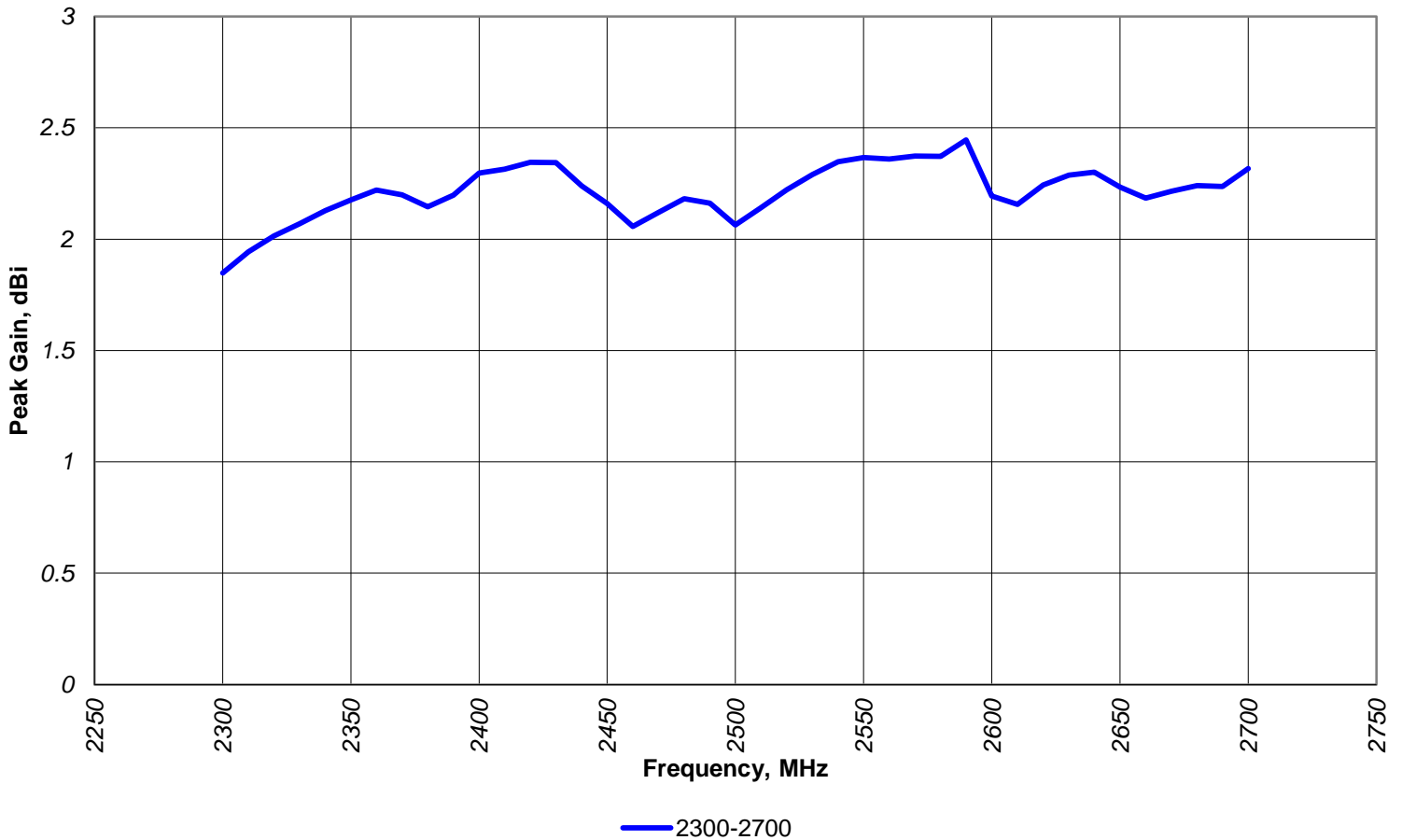
Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS

Peak Gain vs Frequency  
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



Issue: 1711

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.



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

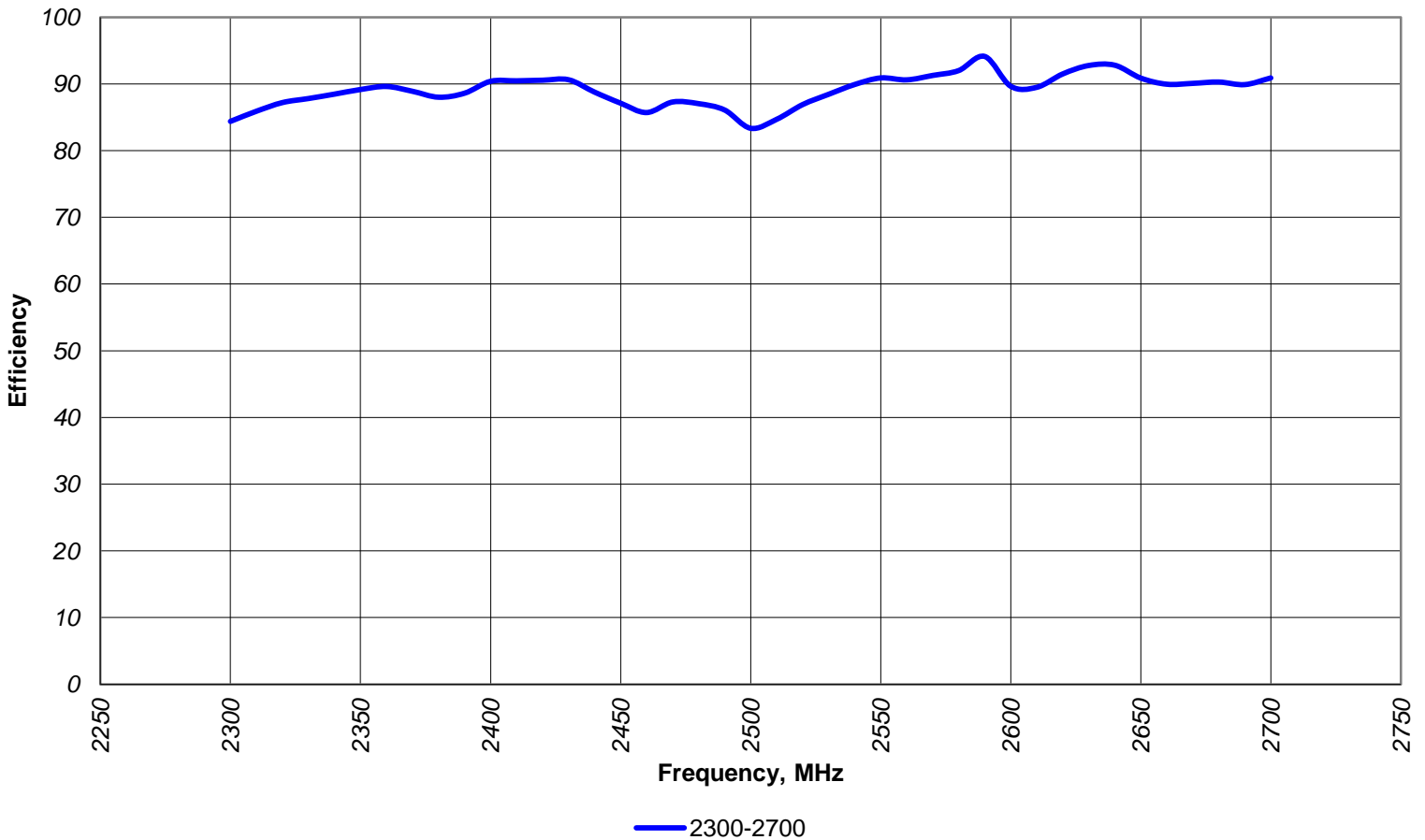
Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS

Efficiency vs Frequency  
RO25002NM

Measured at Pulse, USA - Feb 03, 2017



Issue: 1711

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

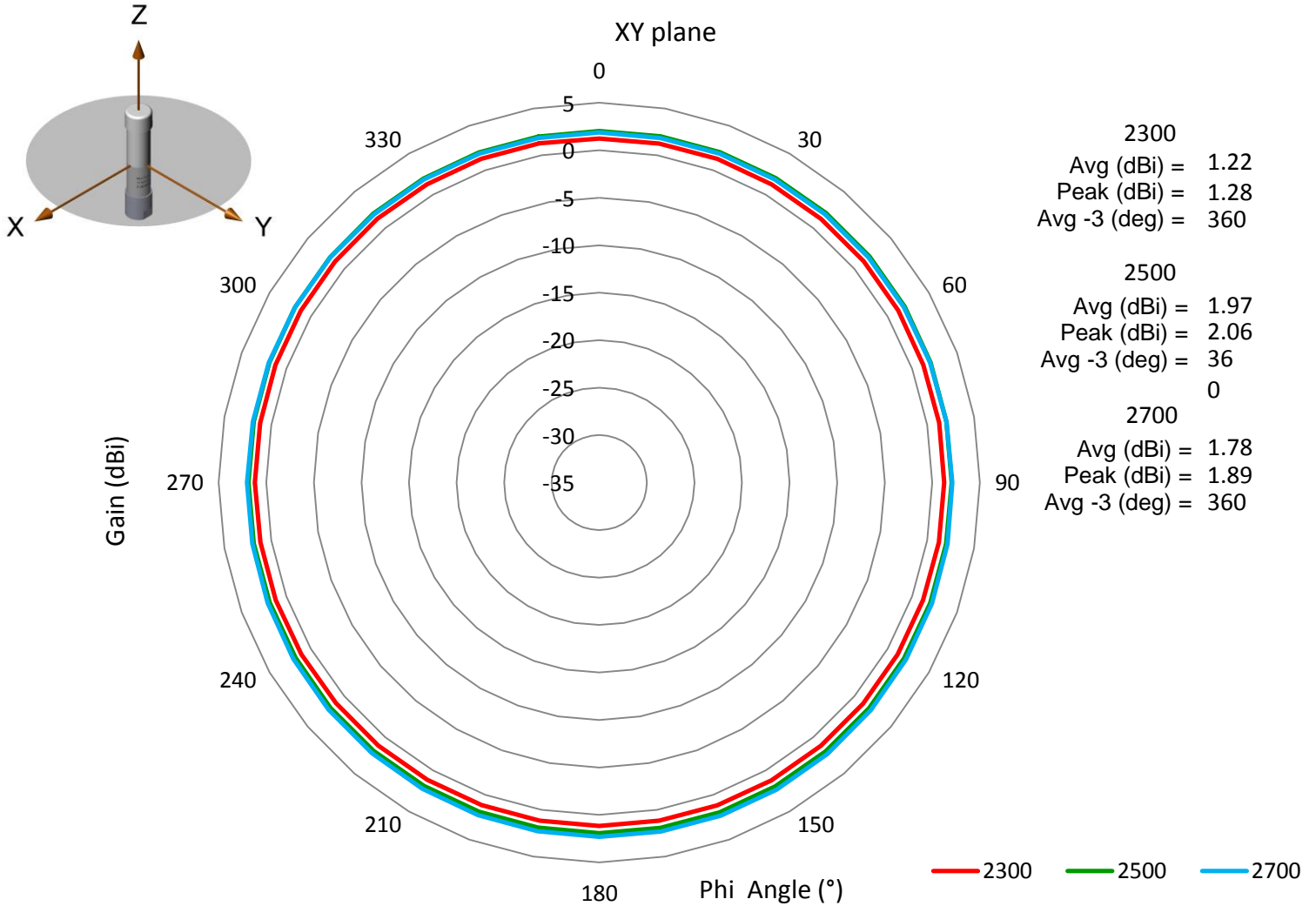
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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

Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS



Issue: 1711

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

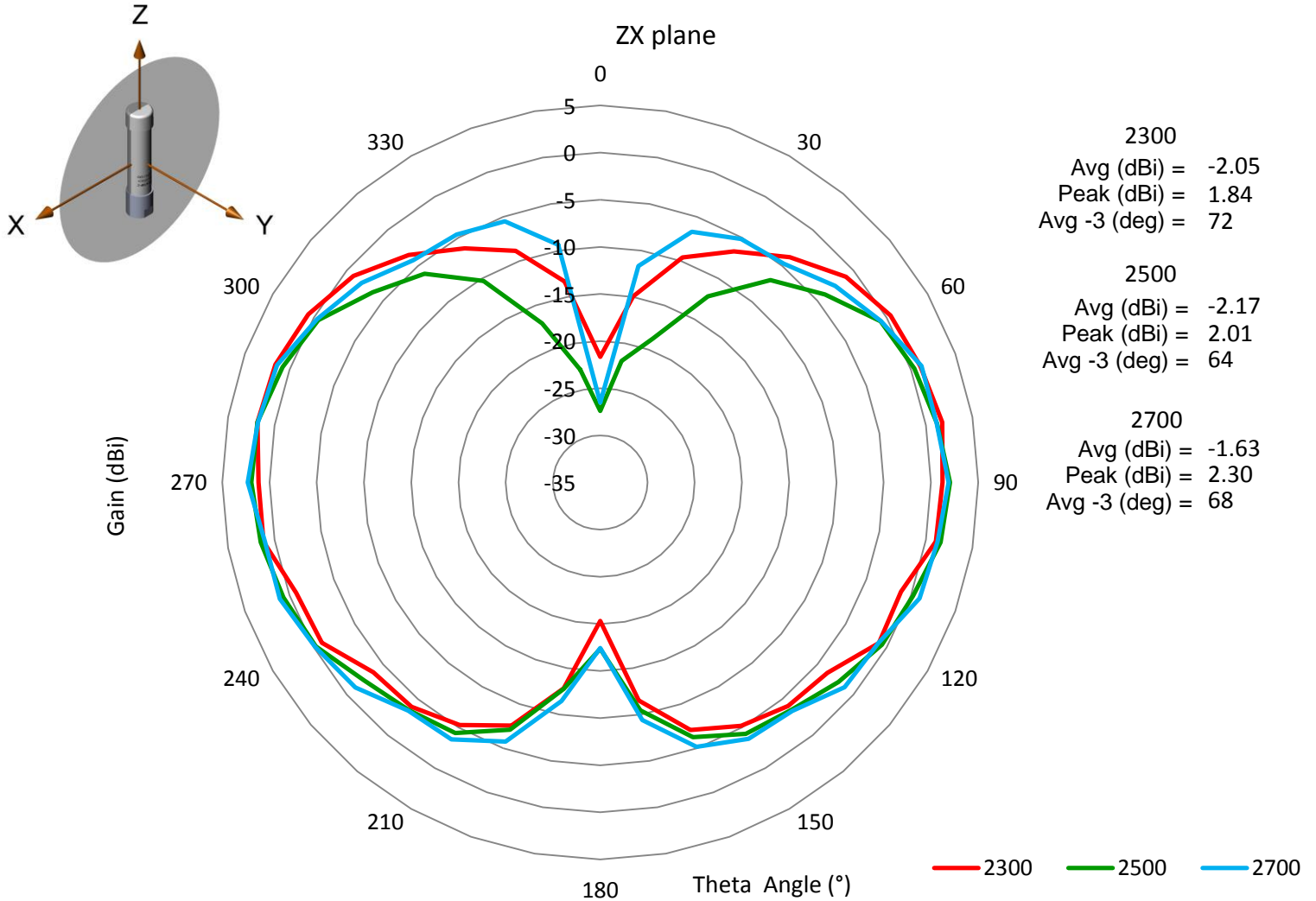
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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

Series: Radome Omni

PART NUMBER: RO25002NM

CHARTS



Issue: 1711

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.