

Description: RO, 10 dBi, 5.725-5.925 GHz, NM

Series: Radome Omni

PART NUMBER: RO5810NM



Features:

- Omnidirectional radiation pattern in H-plane
- 10/9 dBi Gain
- Stable gain and pattern across the operating band
- IP67
- N-Male connector

Applications:

- 5 GHz ISM band
- DSRC
- WiFi 5.x GHz
- Indoor/Outdoor use

Issue: 1632

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
12220 World Trade Drive
San Diego, CA 92128
USA
Tel: 1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th 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,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



Description: RO, 10 dBi, 5.725-5.925 GHz, NM**Series:** Radome Omni**PART NUMBER:** RO5810NM**ELECTRICAL SPECIFICATIONS**

Antenna Type	Collinear dipole array
Frequency	5.725-5.925 GHz
Nominal Impedance	50 Ω
VSWR	2:1
Radiation Pattern	Omni
HPBW / Vertical Plane	8.5 ° \pm 0.5 °
Gain (5.725-5.875 GHz)	10 dBi +/- 1 dB
Gain (5.875-5.925 GHz)	9 dBi +/- 1 dB
Efficiency	70 %
Polarization	Vertical
Power Withstanding	20 W
E.S.D. Protection	DC Grounded

MECHANICAL SPECIFICATIONS

Overall Length	418.2 mm
Weight	167.3 g
Antenna Color / Material	White / Pultruded Fiberglass, UV-Protected
Connector type	N-Male

ENVIRONMENTAL SPECIFICATIONS

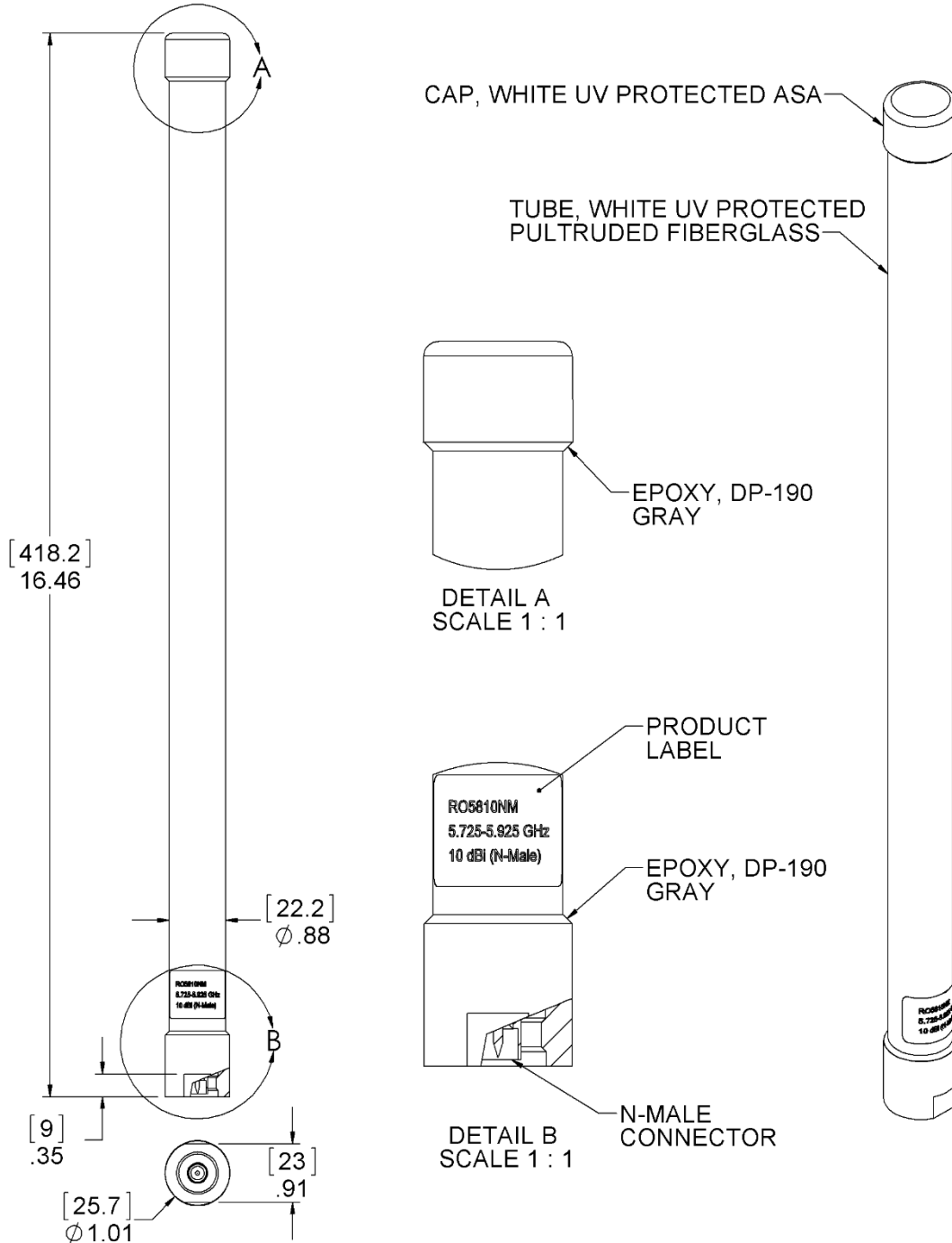
Operating Temperature	-30° to +60° C
Ingress Protection	IP67
Wind-loading	241.4 km/h
RoHS Compliant	Yes

Description: RO, 10 dBi, 5.725-5.925 GHz, NM

Series: Radome Omni

PART NUMBER: RO5810NM

MECHANICAL DRAWING



All dimensions are in mm / inches

Issue: 1632

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, 10 dBi, 5.725-5.925 GHz, NM

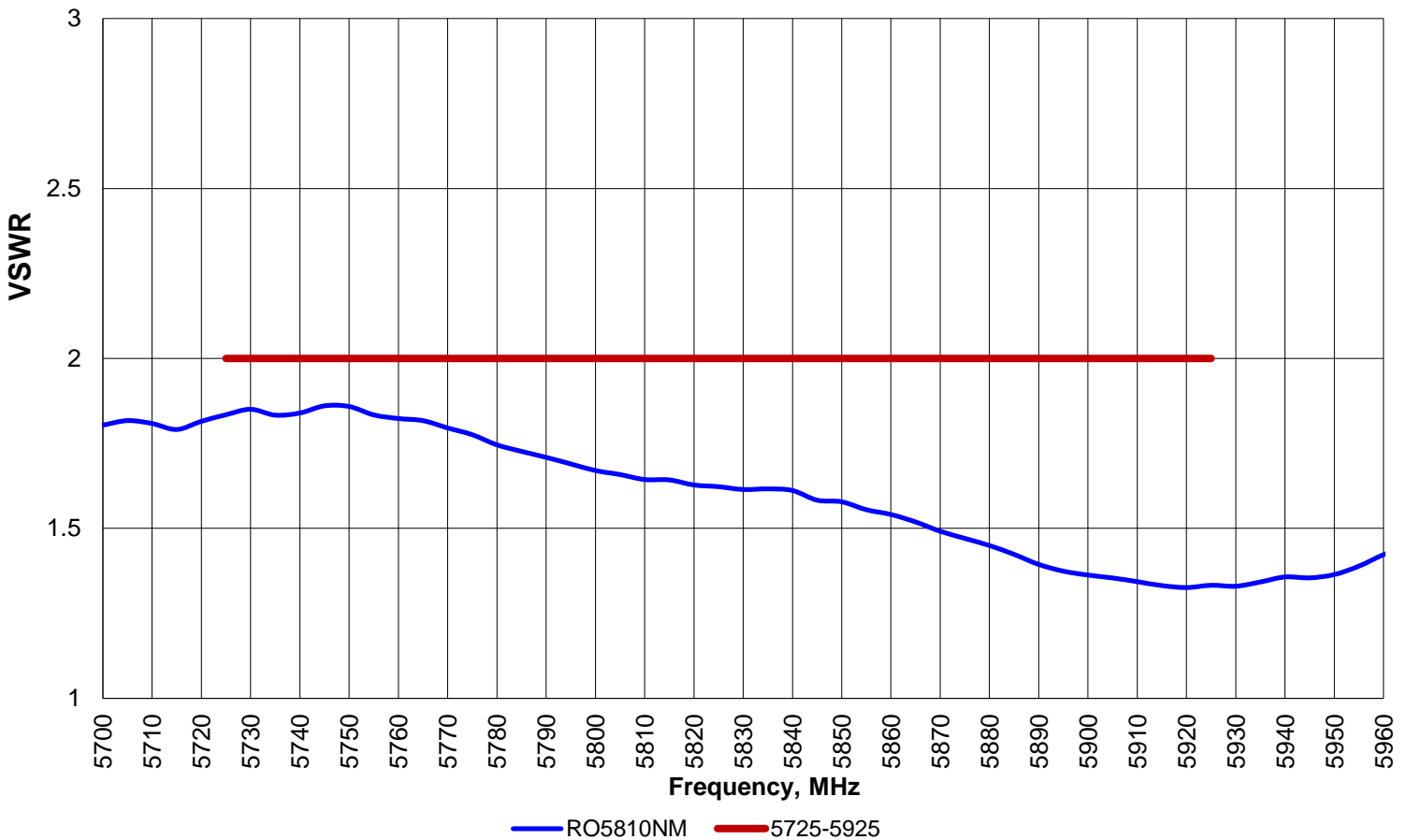
Series: Radome Omni

PART NUMBER: RO5810NM

CHARTS

VSWR vs Frequency
RO5810NM

Measured at Pulse, USA - Aug 16,2016



Issue: 1632

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, 10 dBi, 5.725-5.925 GHz, NM

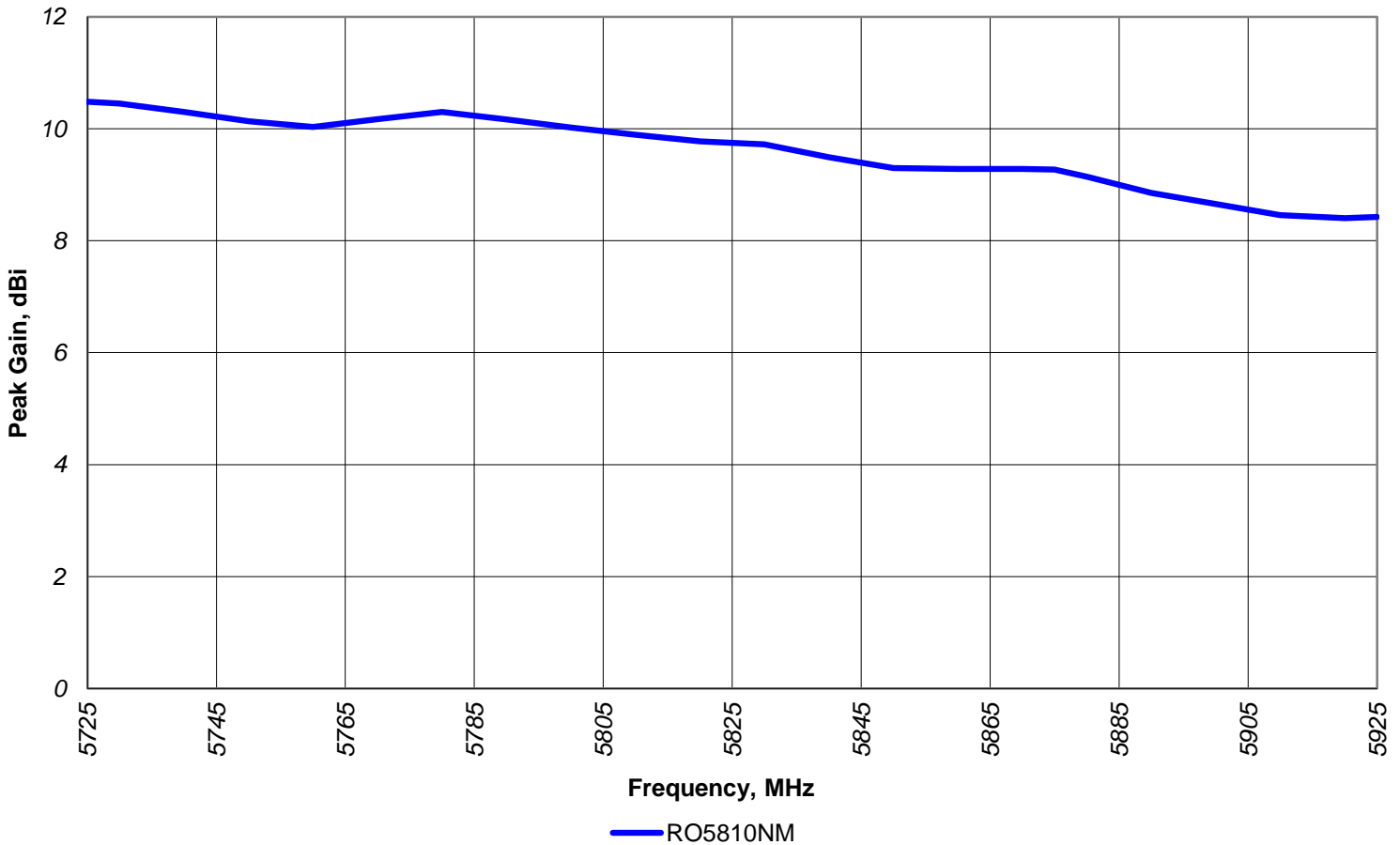
Series: Radome Omni

PART NUMBER: RO5810NM

CHARTS

Peak Gain vs Frequency
RO5810NM

Measured at Pulse, USA - Aug. 16, 2016



Issue: 1632

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, 10 dBi, 5.725-5.925 GHz, NM

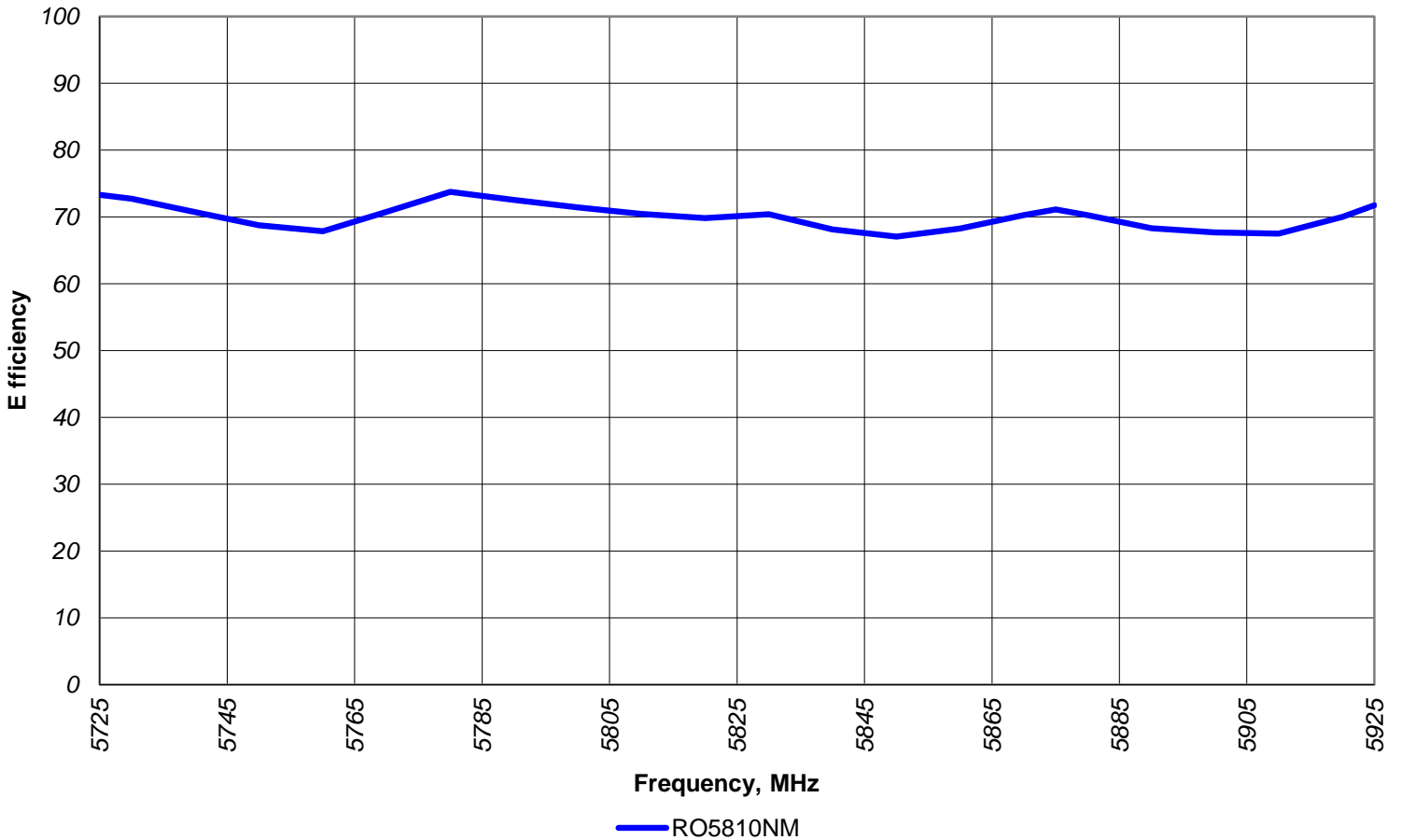
Series: Radome Omni

PART NUMBER: RO5810NM

CHARTS

Efficiency vs Frequency
RO5810NM

Measured at Pulse, USA - Aug. 16, 2016



Issue: 1632

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.

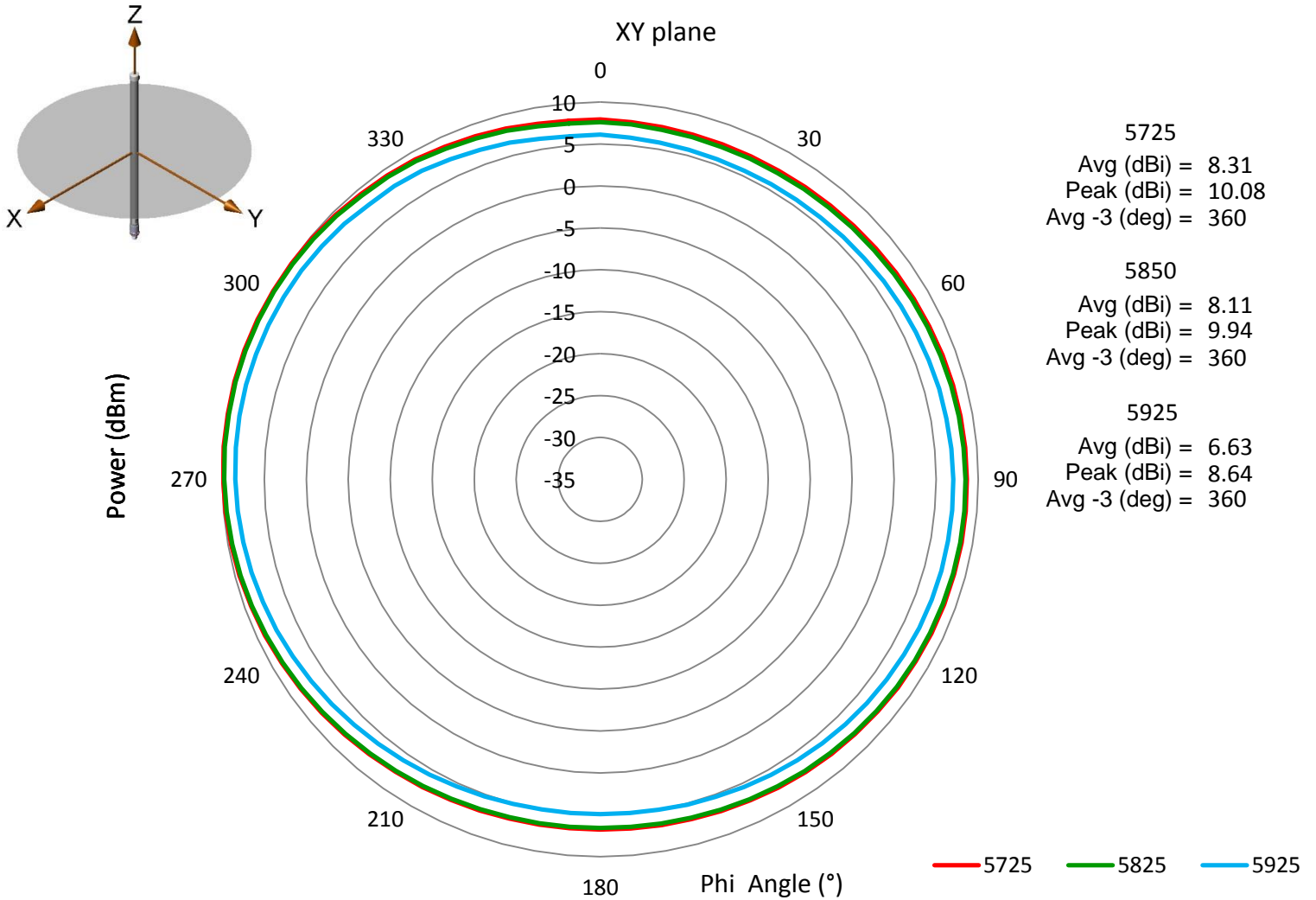


Description: RO, 10 dBi, 5.725-5.925 GHz, NM

Series: Radome Omni

PART NUMBER: RO5810NM

CHARTS



Issue: 1632

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

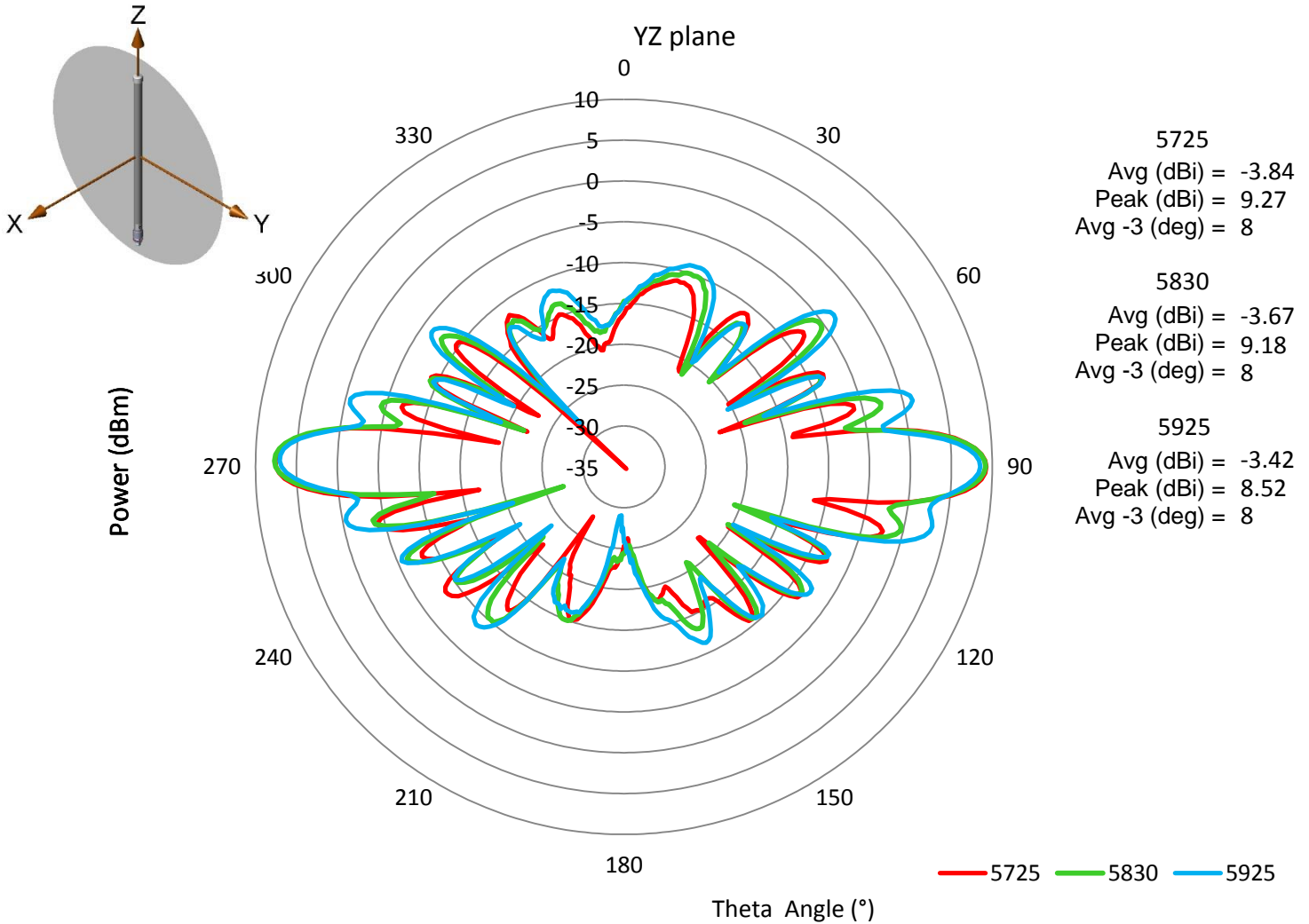
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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

Description: RO, 10 dBi, 5.725-5.925 GHz, NM

Series: Radome Omni

PART NUMBER: RO5810NM

CHARTS



Issue: 1632

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.