

Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208



Features:

- 1575 / 1602 MHz Dualband single feed antenna
- Size 18.5 x 18.5 x 4 mm
- RHCP Polarization
- Zenith Gain +2 / 3.5 dBic
- Pin mounting
- Tray packing
- RoHS Compliant

Applications:

- GPS and Glonass satellite receivers
- Tracking, Navigation, Satellite Positioning
- Fleet management
- Asset tracking

All dimensions are in mm / inches

Issue: 1910P

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 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

Preliminary



Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208

ELECTRICAL SPECIFICATIONS

Antenna Type	Patch Antenna
Frequency	1565-1585/1598-1606MHz
Nominal Impedance	50 Ω
Return Loss(GPS-C/A / GLONASS)	-15dB/-9dB
Radiation Pattern	Omn
Typical RHCP Gain @GPS	1dBic
Typical RHCP Gain @GLONASS	3dBic
Typical Efficiency @GPS	60%
Typical Efficiency @GLONASS	75%
Polarization	RHCP

MECHANICAL SPECIFICATIONS

Overall Length	18.5mm
Weight	6.23g

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ 105 ° C
Storage Temperature	-40 ~ 105 ° C
RoHS Compliant	Yes

Issue: 1910P

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.

Preliminary

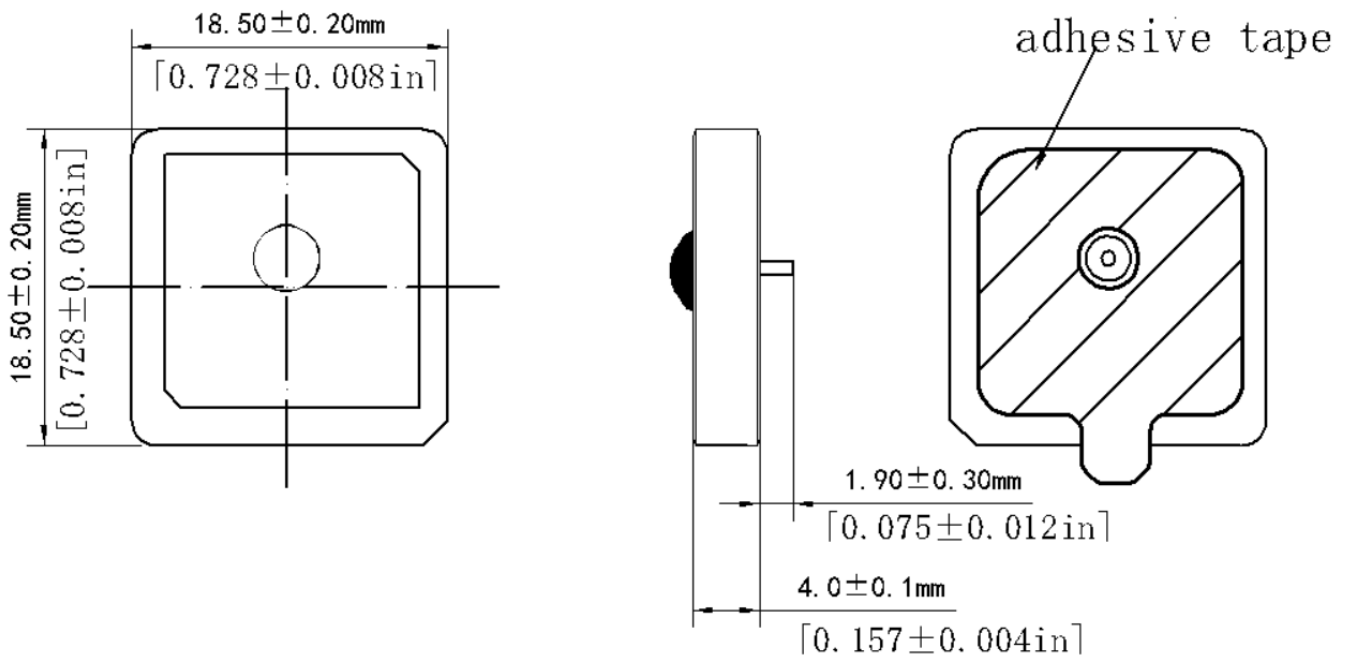


Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208

MECHANICAL DRAWING



Issue: 1910P

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.

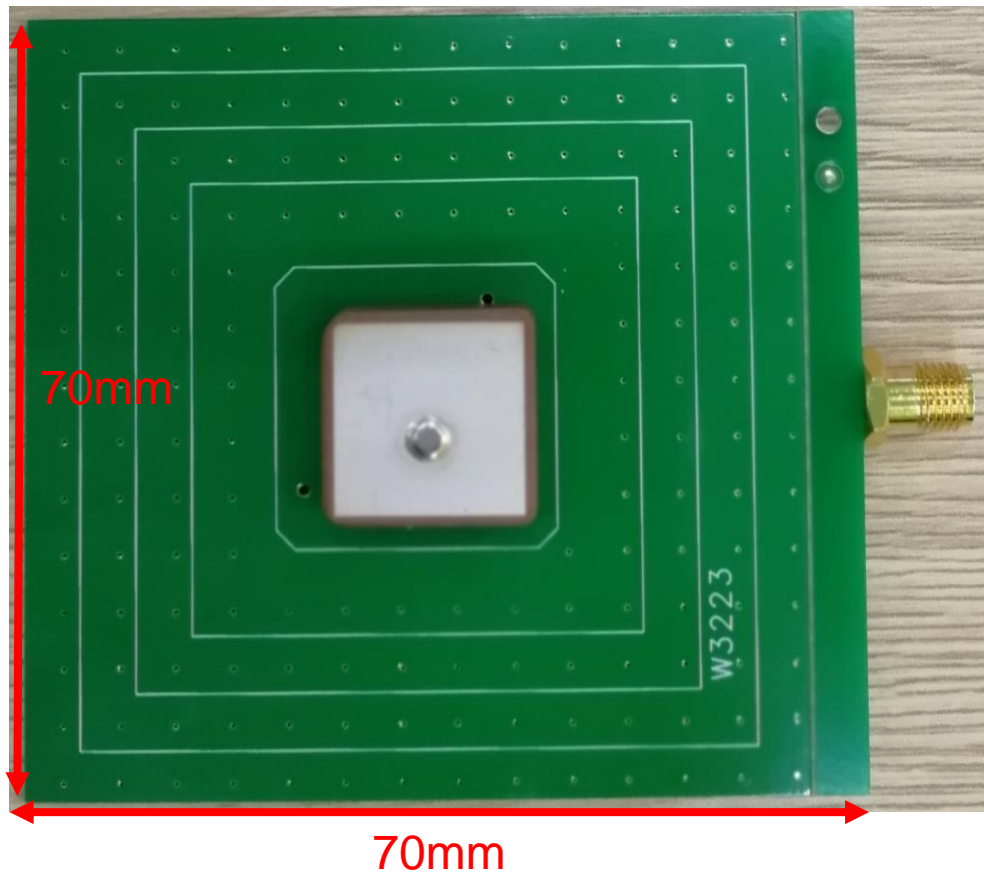
Preliminary

Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208

TEST SETUP



Test on 70mm*70mm GP.

Issue: 1910P

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.

Preliminary

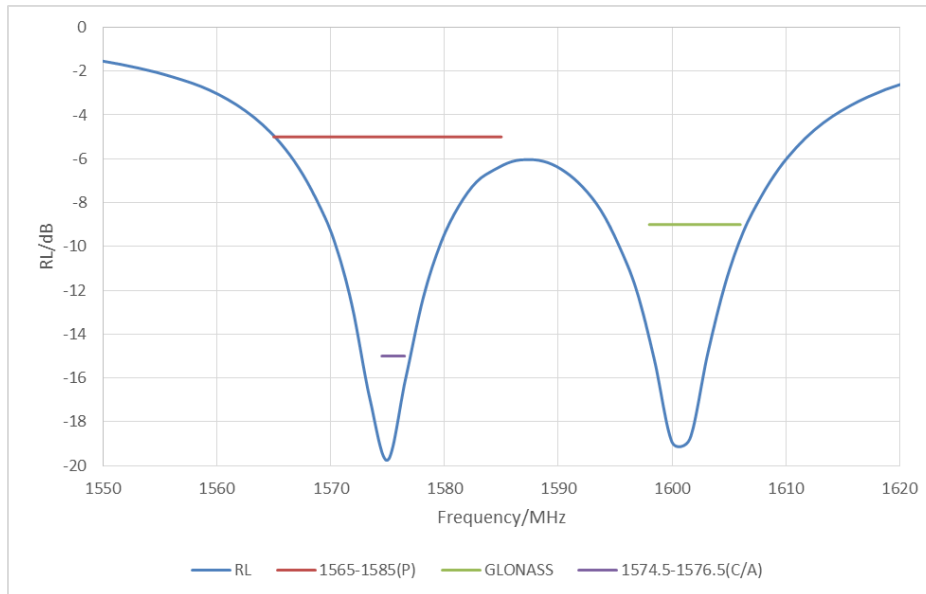
Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

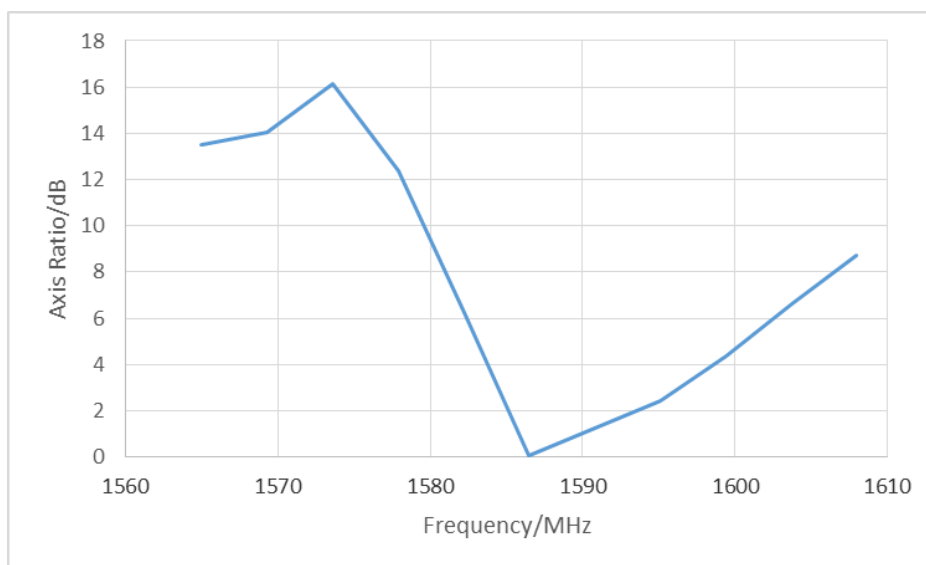
PART NUMBER: W3208

CHARTS

Return Loss vs Frequency



Axial Ratio vs Frequency



Issue: 1910P

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.

Preliminary



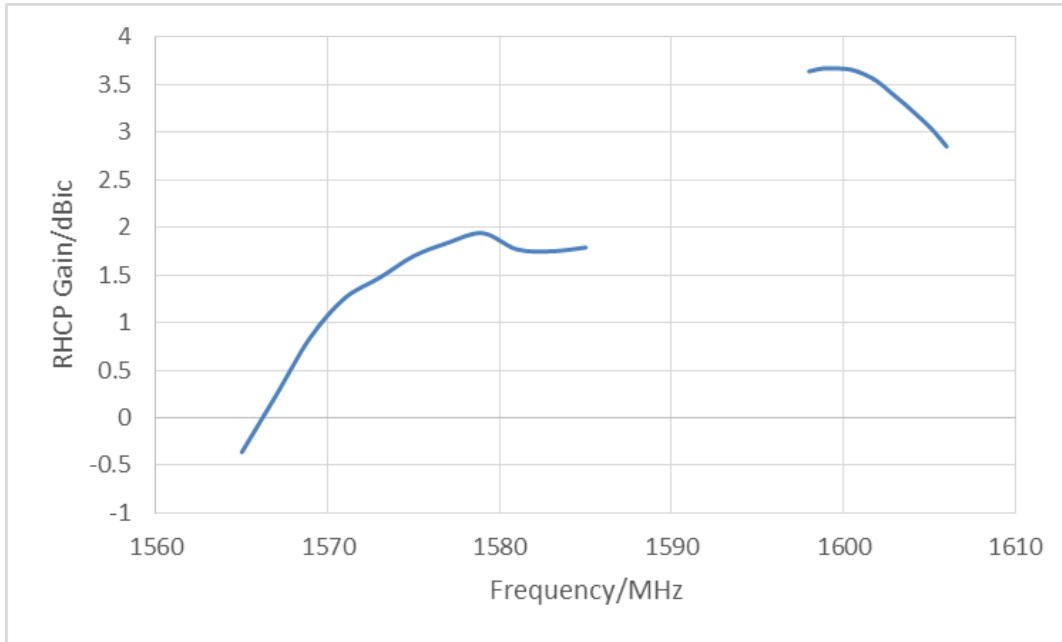
Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

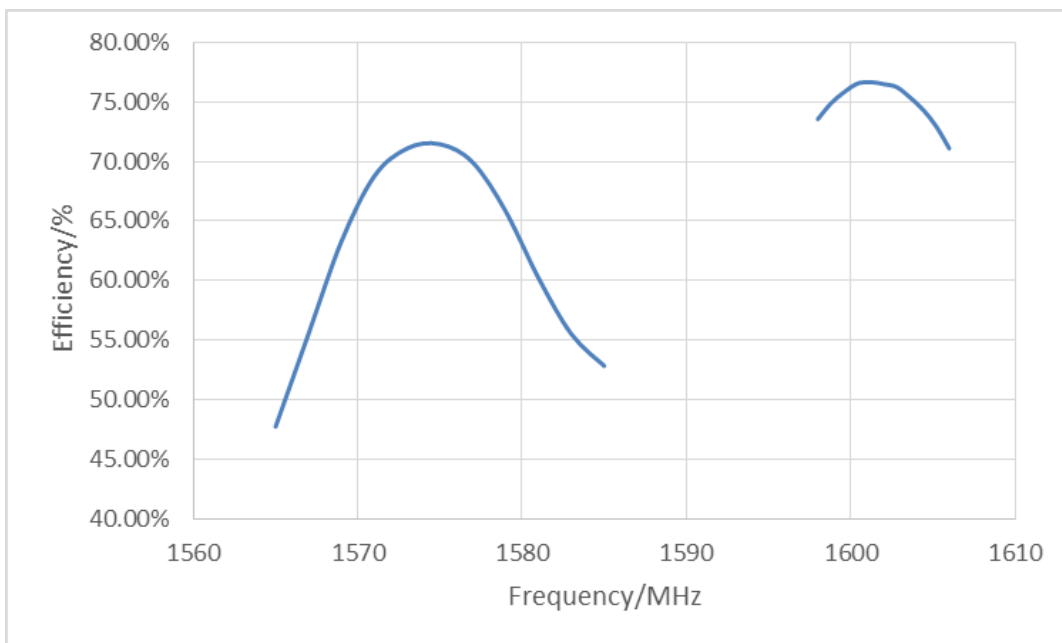
PART NUMBER: W3208

CHARTS

RHCP Gain vs Frequency



Radiation Efficiency vs Frequency



Issue: 1910P

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.

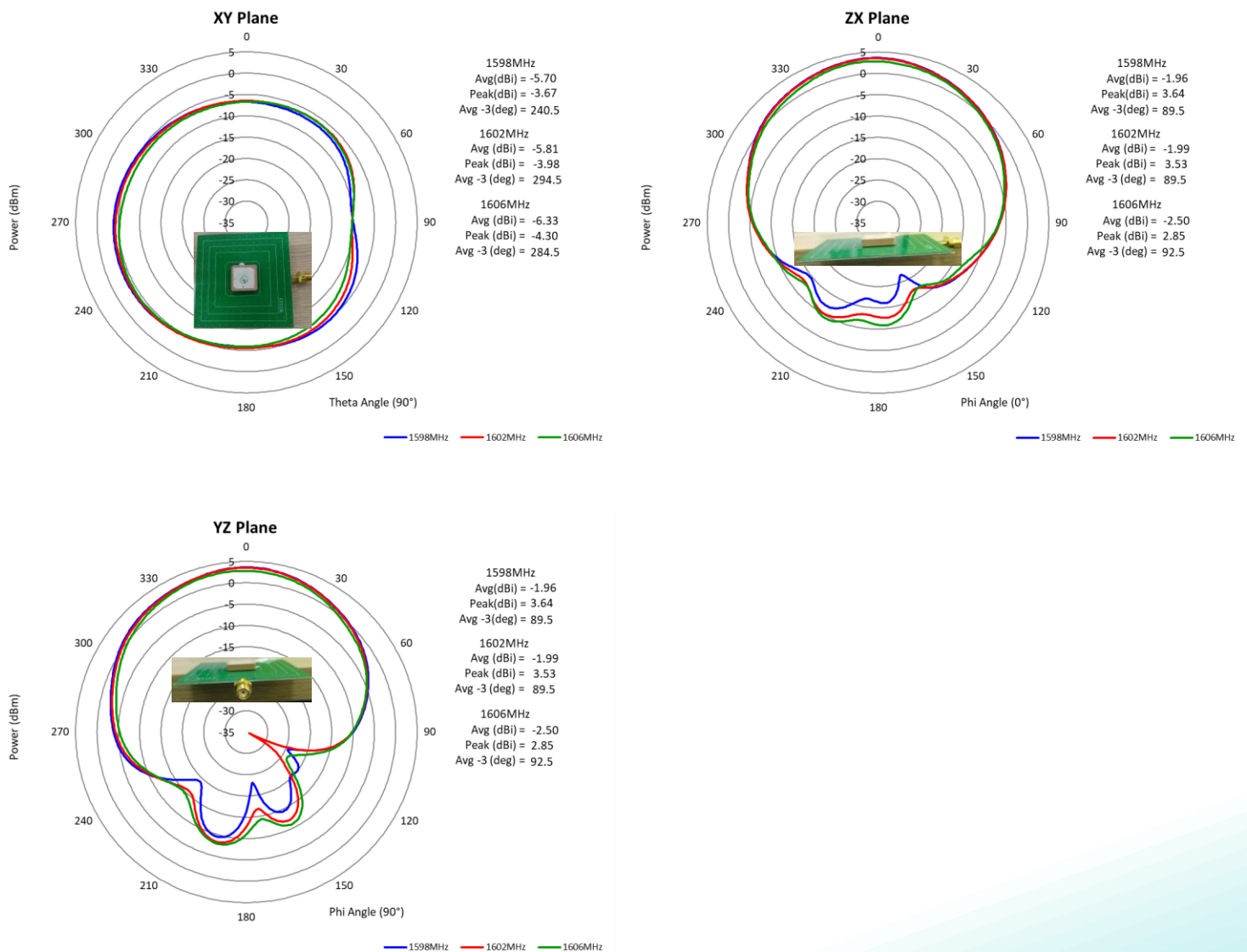
Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208

CHARTS

Radiation Pattern 2D/GLONASS



Preliminary

Issue: 1910P

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.

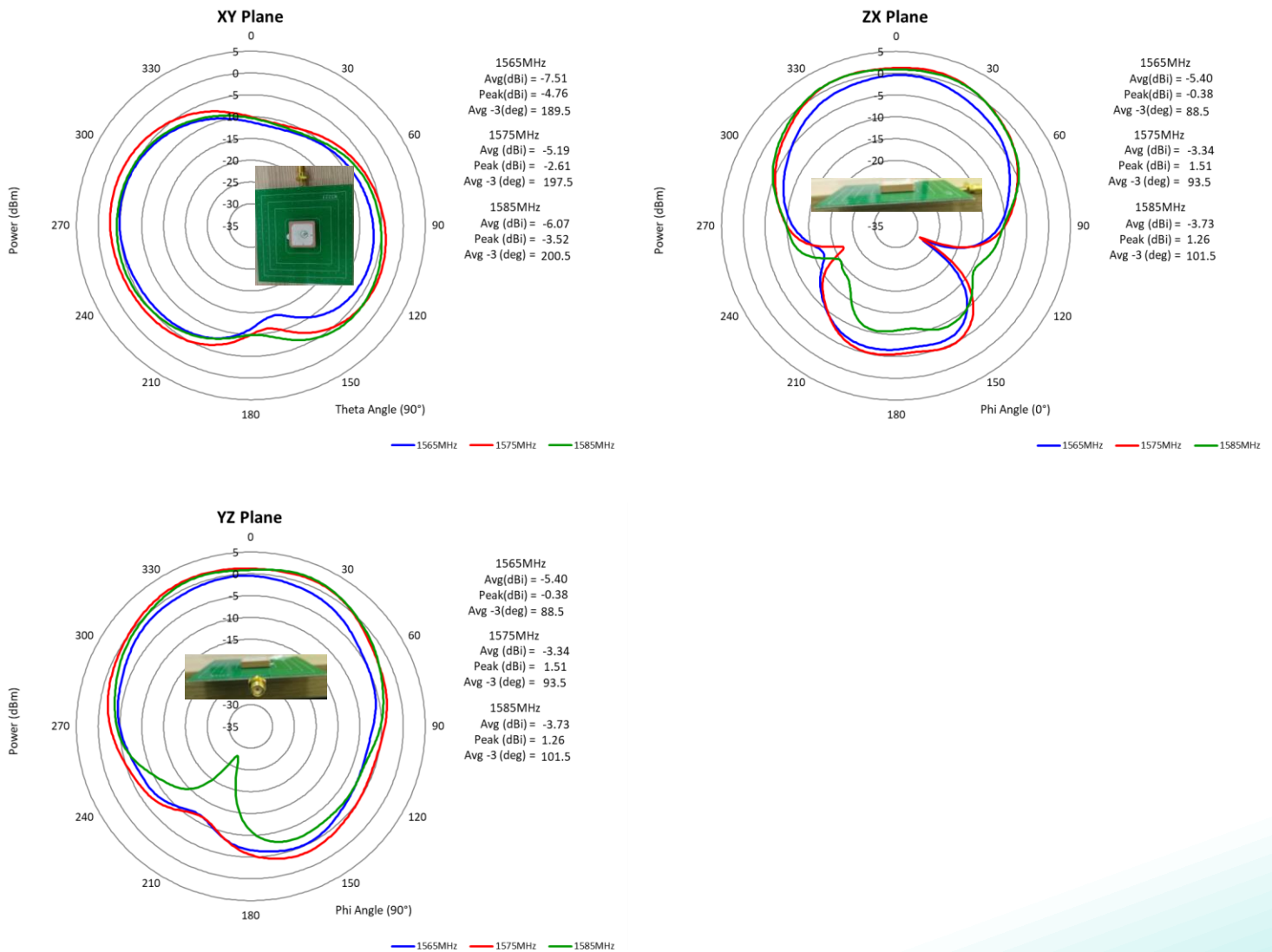
Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208

CHARTS

Radiation Pattern 2D/GPS



Issue: 1910P

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.

Preliminary



Description: 18.5x18.5x4.0mm
GPS/Glonass Pin Mount

Series: Ceramic Patch

PART NUMBER: W3208

PACKAGING

Per package base	50 elements
Per vacuum bag	6 package bases
Per inner box	1 vacuum bag
Per package	4 inner boxes (1200 elements)

Issue: 1910P

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.

Preliminary

