

Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684



Features:

- Frequency 1550-1610MHz
- Monopole Stubby Antenna
- Length 50mm
- Gain 2.5dBi
- Efficiency 70%
- Polarization Linear
- IP65 Outdoor rated

Applications:

- GNSS
- GPS, Glonass, Beidou
- Navigation
- Asset tracking

All dimensions are in mm / inches

Issue: 1941P

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 & Co, 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: GPS 1575MHz Monopole Antenna**Series:** Stubby Antenna**PART NUMBER:** W1684**ELECTRICAL SPECIFICATIONS**

Frequency	1550-1610 MHz
Nominal Impedance	50 Ω
VSWR	<2 @1550-1610MHz
Radiation Pattern	Omni
Peak Gain	> 2.5 dBi
Efficiency	70%
Polarization	Linear
Power Withstanding	5W

MECHANICAL SPECIFICATIONS

Overall Length	50 mm
Weight	7.8 g
Antenna Color / Material	Black
Connector type	SMA Male

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30/+75 ° C
Storage Temperature	-30/+75 ° C
Ingress Protection	IP65
Wind-loading	100km/h
RoHS Compliant	Yes

Issue: 1941P

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.

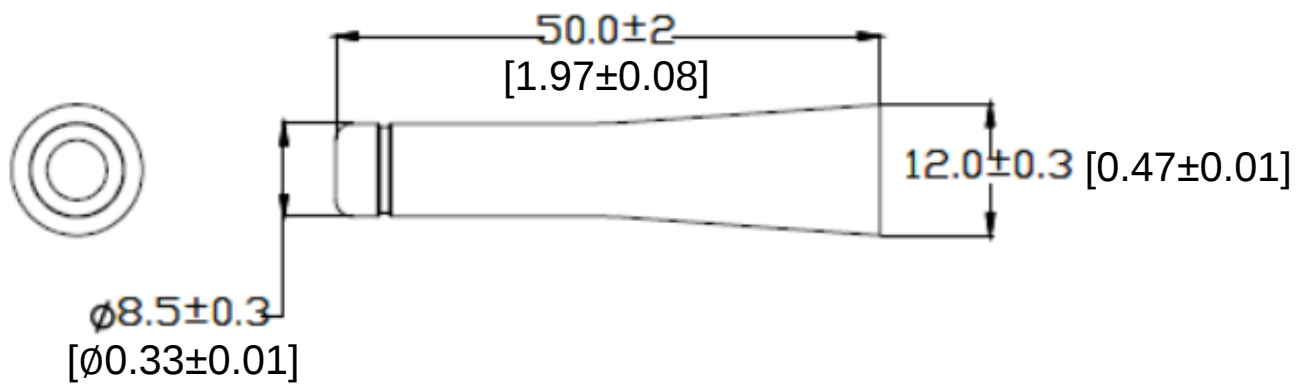
Preliminary

Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684

MECHANICAL DRAWING



Issue: 1941P

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.

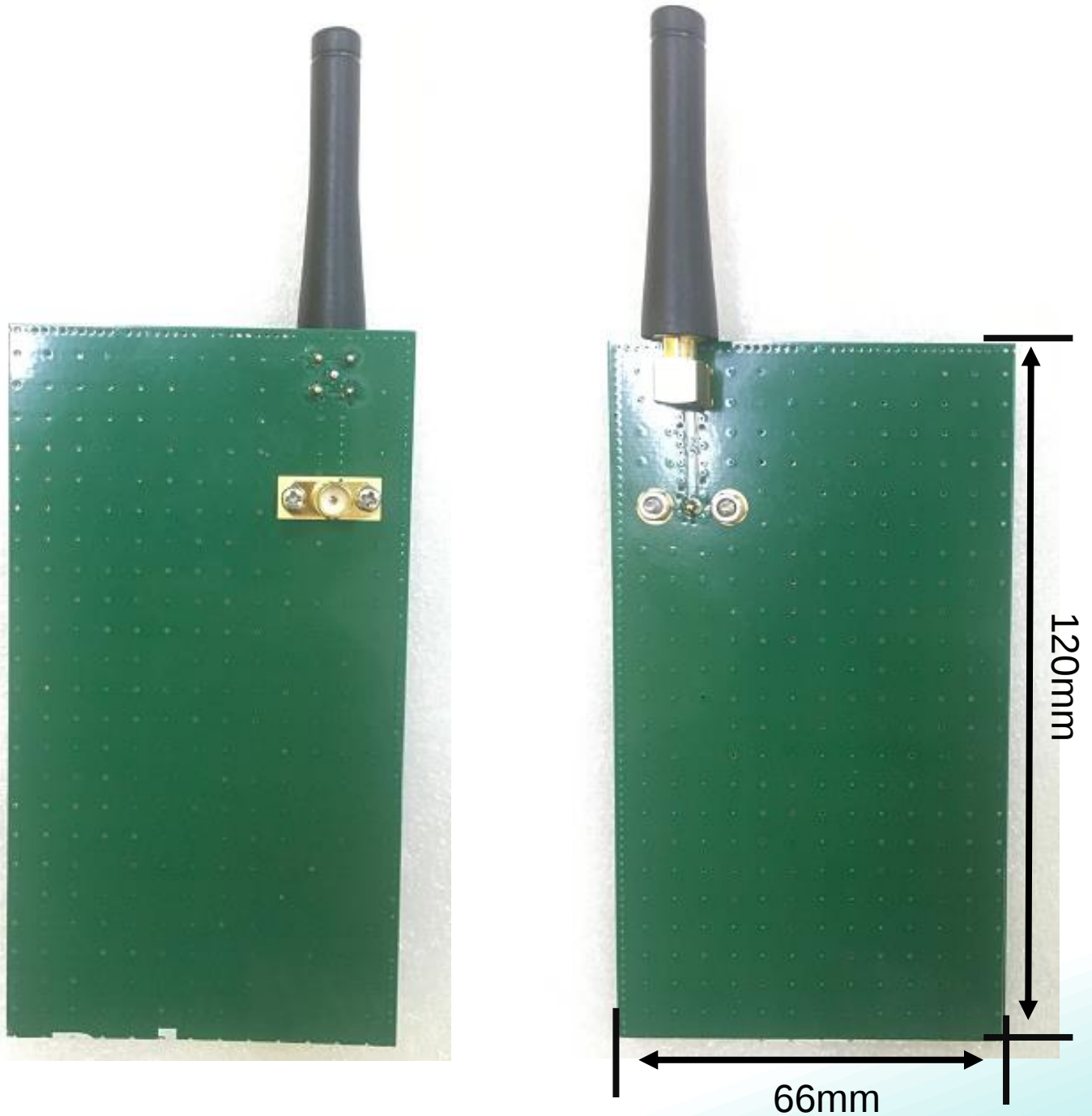
Preliminary

Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684

TEST SETUP



Issue: 1941P

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

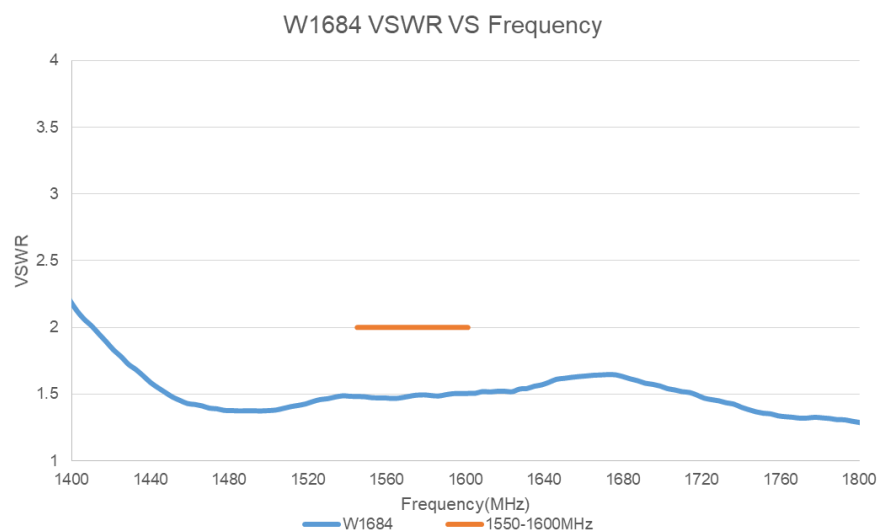
Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

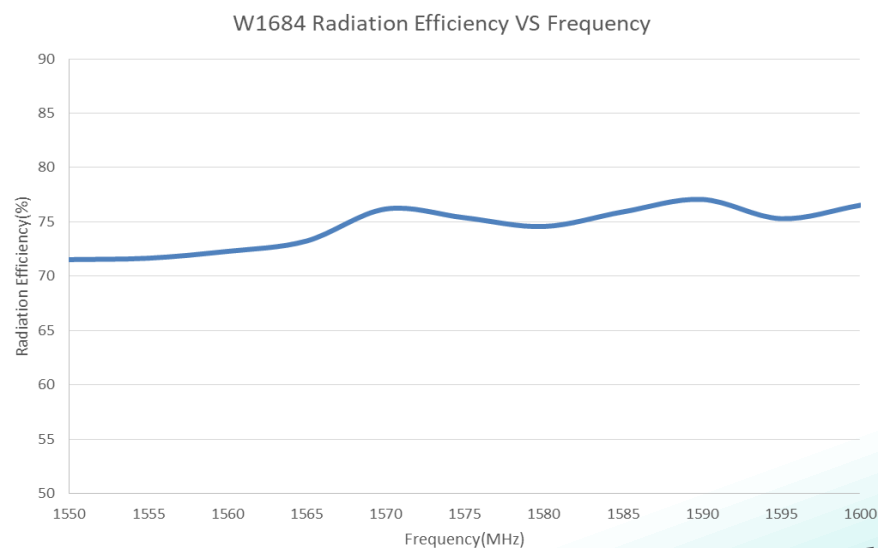
PART NUMBER: W1684

CHARTS

VSWR



Radiation Efficiency (%)



Issue: 1941P

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



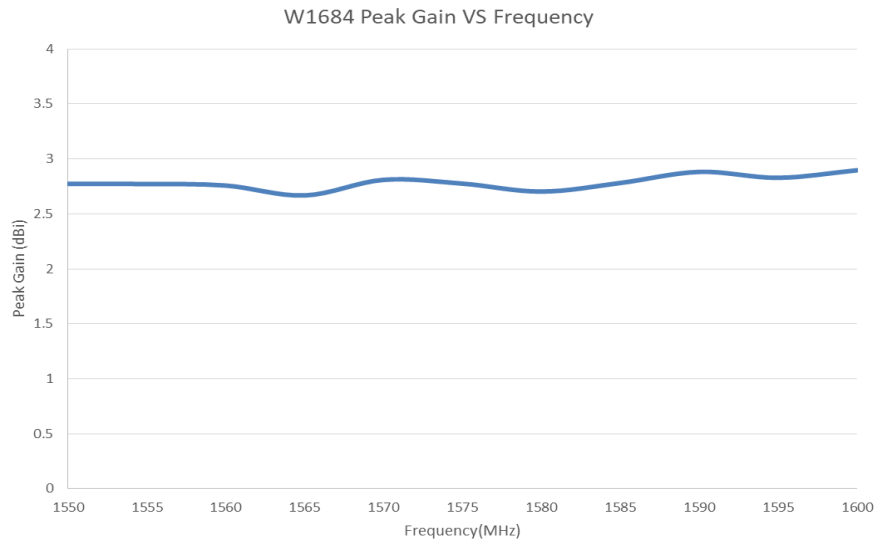
Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684

CHARTS

Peak Gain (dBi)



Issue: 1941P

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



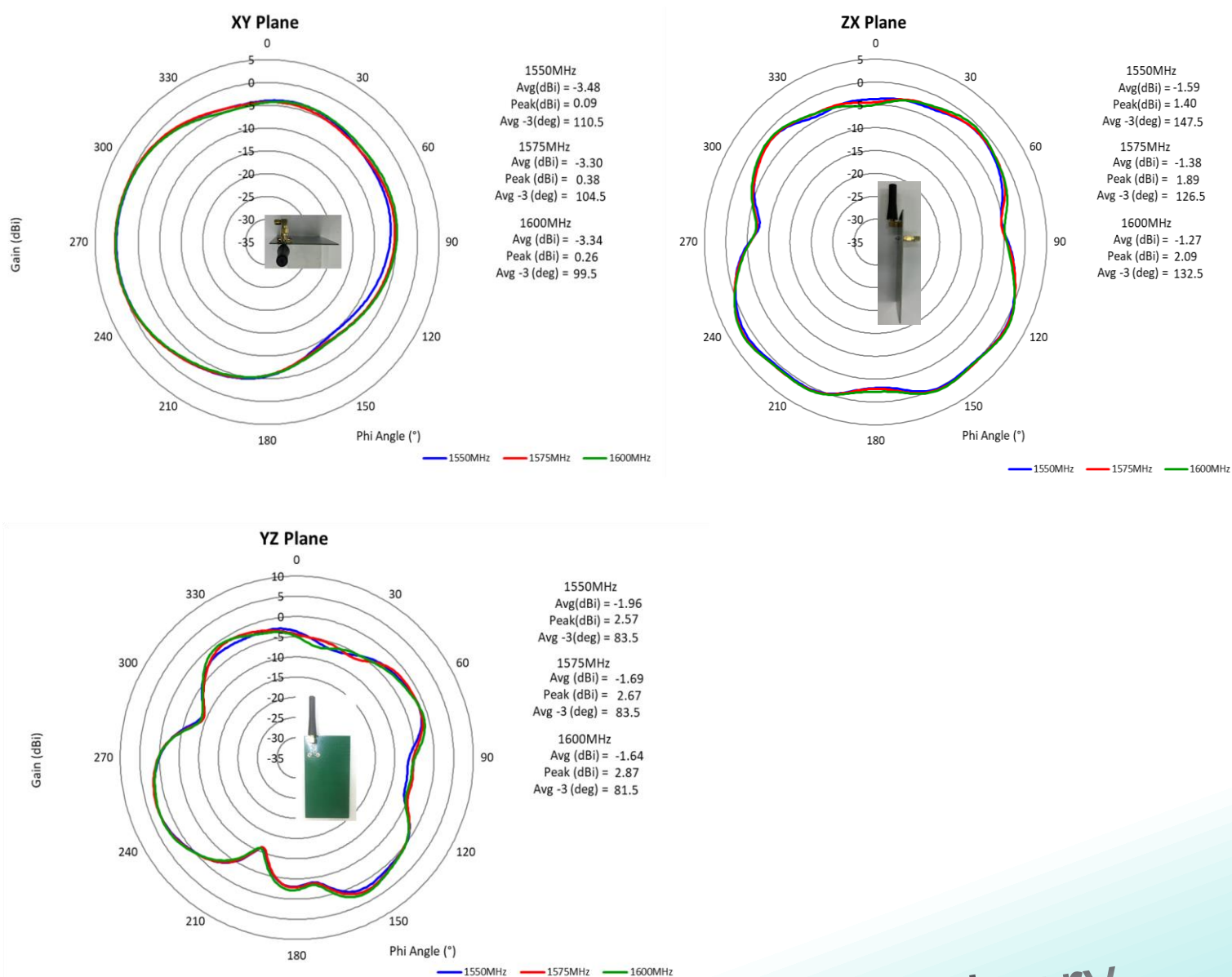
Description: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684

CHARTS

Free Space Radiation Pattern



Issue: 1941P

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: GPS 1575MHz Monopole Antenna

Series: Stubby Antenna

PART NUMBER: W1684

PACKAGING

1pcs antenna per PE bag

24pcs PE bags per tray

14pcs trays per package box(2 pcs empty tray)

288pcs antenna per package

Package box: 460mm*235mm*140mm

Issue: 1941P

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

