

Series: Stubby Antenna

Description: 4G Pentaband 698-960 ;
1710-2690MHz, Right angle

PART NUMBER: W1900/W1902



Features:

- Small form factor monopole
- Antenna size W x L x H
W1900/W1902 (18.4 x 8.0 x 49.5mm)
- Lead free materials
- RoHS Compliant Product
- Connector Type:
W1900 SMA (male)
W1902 RP-SMA (male)

Applications:

- Penta band EU/US GSM/WCDMA
- Frequency range:
698-960;1710-2690MHz
- M2M Applications

All dimensions are in mm

Issue: 2530

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



Series: Stubby Antenna

Description: 4G Pentaband 698-960 ;
1710-2690MHz, Right angle
PART NUMBER: W1900/W1902

ELECTRICAL SPECIFICATIONS

Frequency	698-960MHz 1710-2690MHz
Nominal Impedance	50Ω
Return Loss	-2.5dB 698-820MHz -4dB 824-960MHz -10dB 1710-2690MHz
Peak Gain	1dBi 698-960MHz 4dBi 1710-2690MHz
Efficiency	52%
Radiation Pattern	Omni
Polarization:	Linear
Power withstanding	5W

Issue: 2530

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



Series: Stubby Antenna

Description: 4G Pentaband 698-960,
1710-2690MHz, Right angle

PART NUMBER: W1900/W1902

MECHANICAL SPECIFICATIONS

Weight	W1900/W1902 11.07g
Antenna Color / Material	Black
Connector type	W1900 SMA(Male) W1902 RP-SMA(Male)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30/+75 ° C
Storage Temperature	-30/+75 ° C
Wind-loading	100km/h
Ingress Protection	IP52
RoHS Compliant	Yes

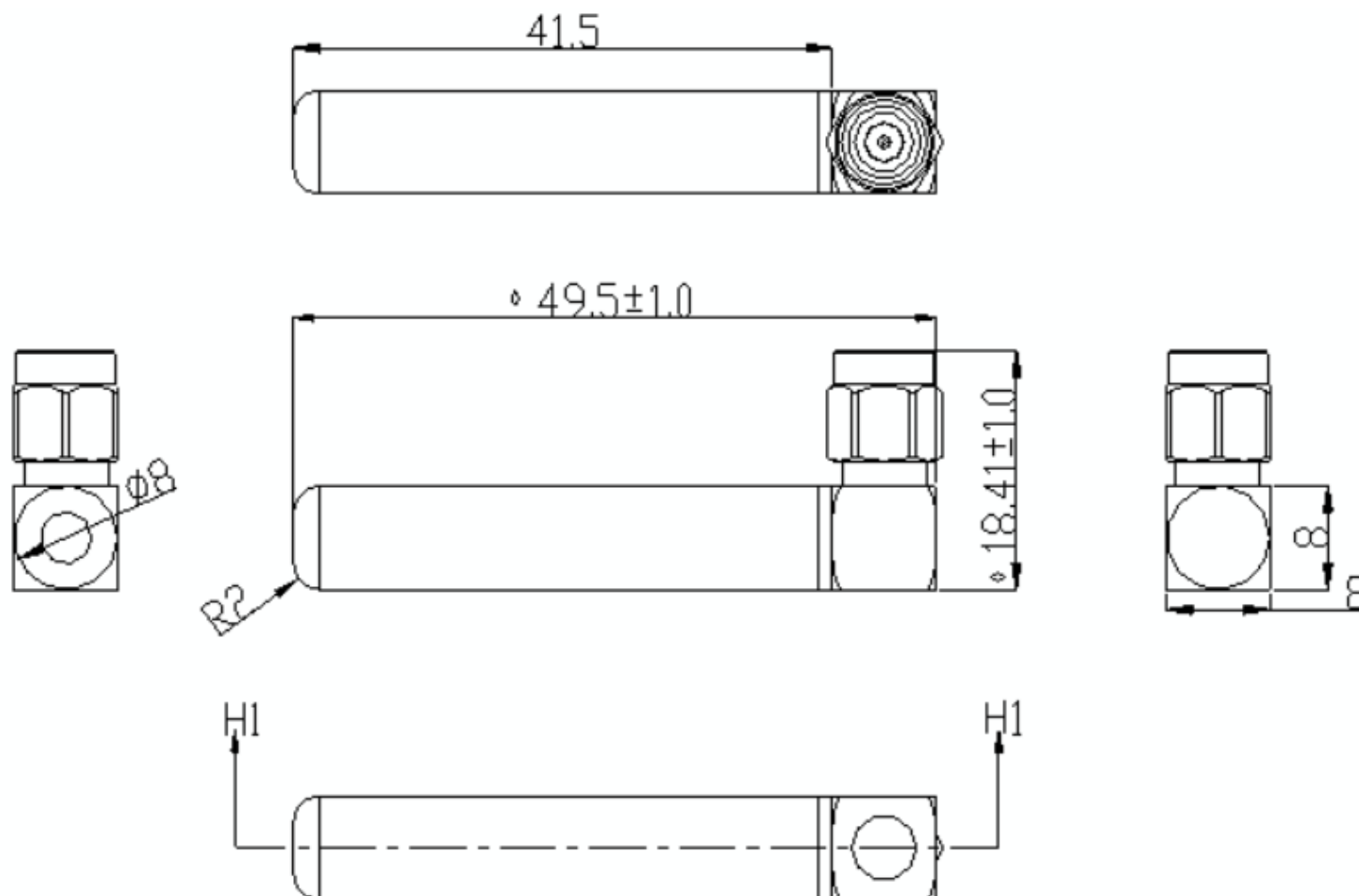
Series: Stubby Antenna

Description: 4G Pentaband 698-960,
1710-2690MHz, Right angle

PART NUMBER: W1900/W1902

MECHANICAL DRAWING

W1900/W1902



Issue: 2530

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.

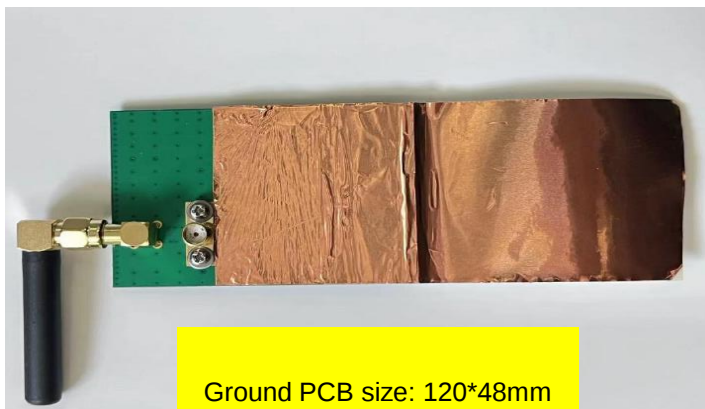
Series: Stubby Antenna

Description: 4G Pentaband 698-960,
1710-2690MHz, Right angle

PART NUMBER: W1900/W1902

CHARTS

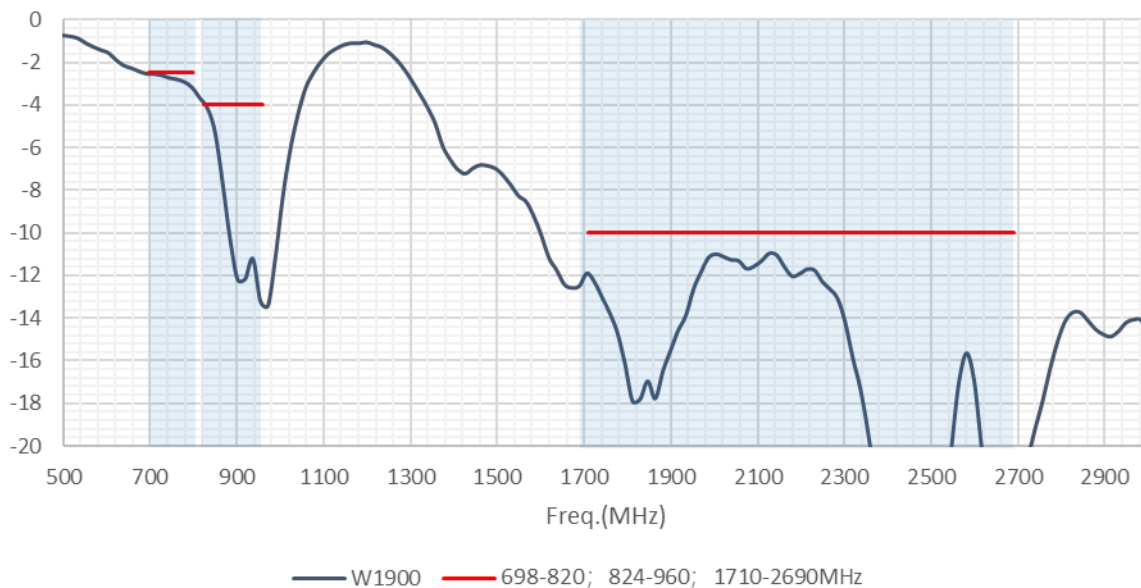
Test setup



Return loss

Return loss vs Frequency

Measured in Pulse Chamber 20250725



Issue: 2530

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.

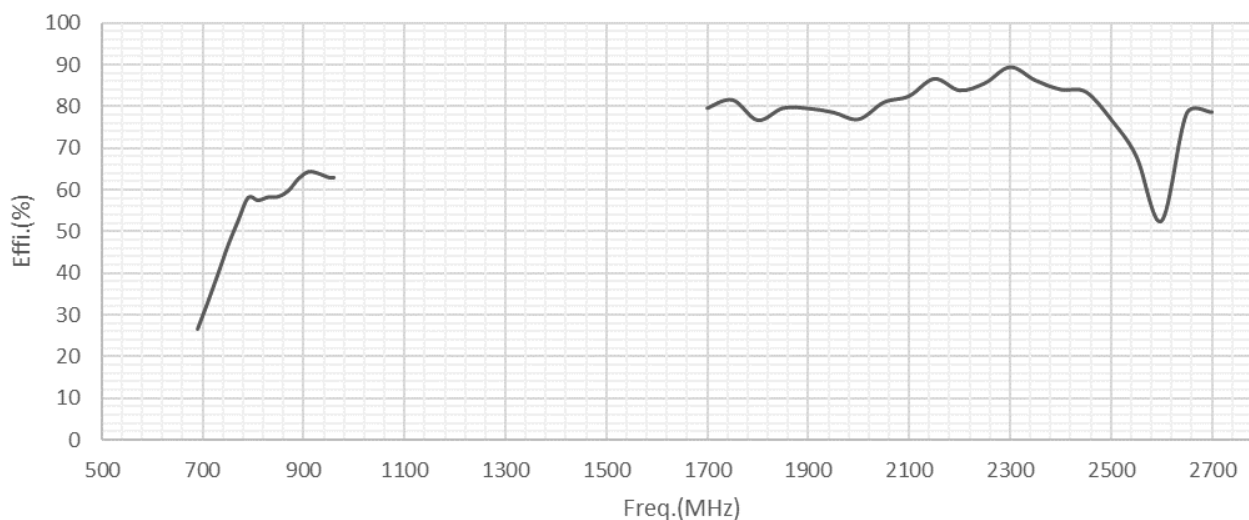
Series: Stubby Antenna

Description: 4G Pentaband 698-960,
1710-2690MHz, Right angle

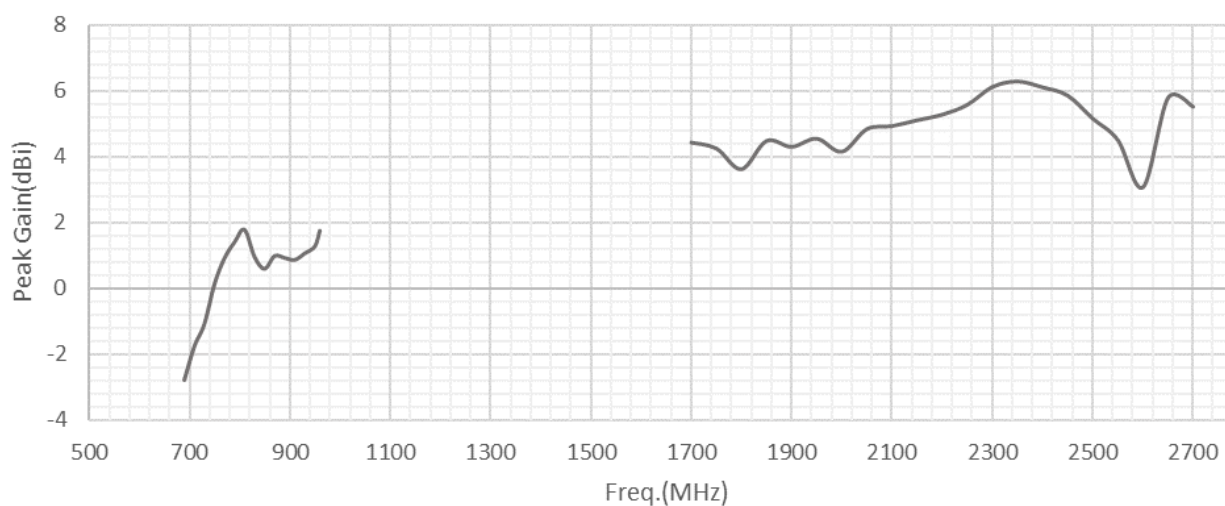
PART NUMBER: W1900/W1902

CHARTS

Efficiency vs Frequency
Measured in Pulse Chamber 20250725



Peak Gain vs Frequency
Measured in Pulse Chamber 20250725



Issue: 2530

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.

Series: Stubby Antenna

Description: 4G Pentaband 698-960,
1710-2690MHz, Right angle

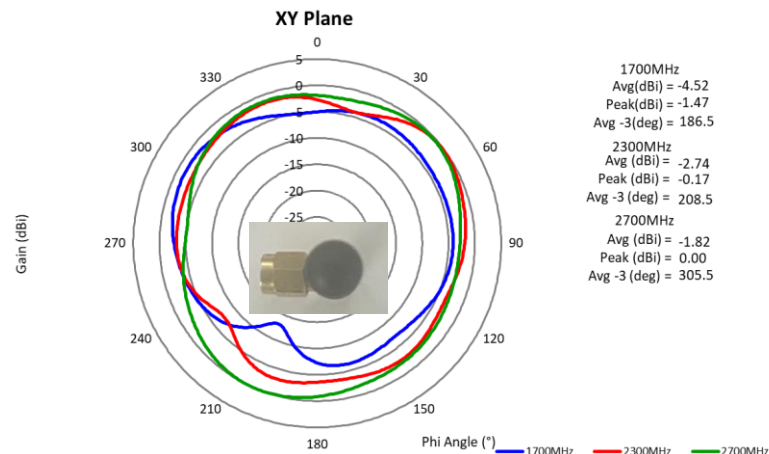
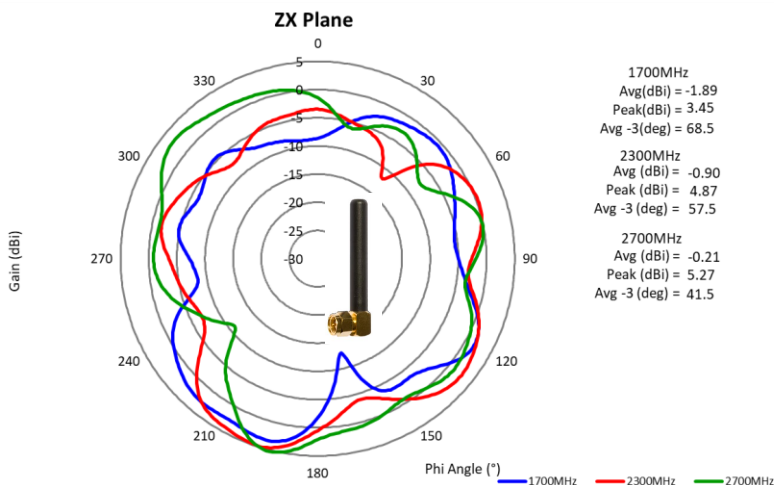
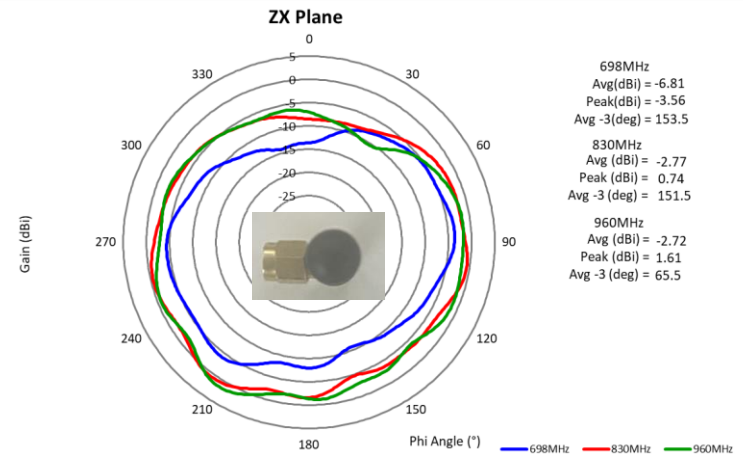
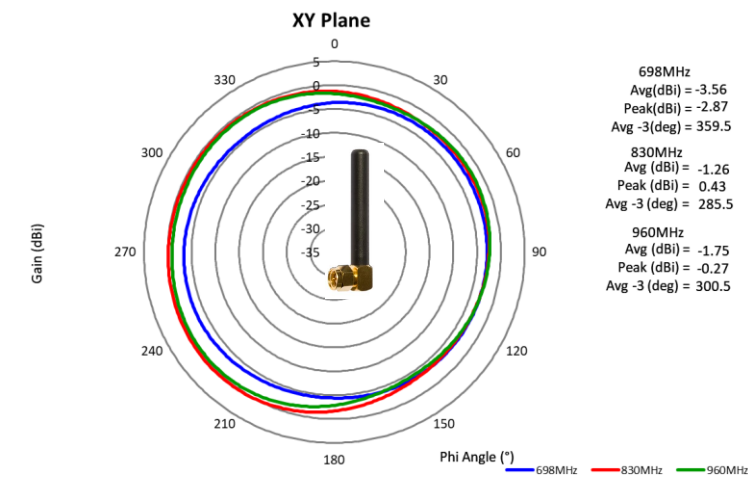
PART NUMBER: W1900/W1902

CHARTS

Free Space Radiation Pattern

Elevation Plane

Horizontal Plane



Issue: 2530

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.

Series: Stubby Antenna

Description: 4G Pentaband 698-960,
1710-2690MHz, Right angle

PART NUMBER: W1900/W1902

PACKAGING

1pcs antenna per PE bag

18pcs PE bags per tray

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

216pcs per package box

Package box: 460mm*235mm*140mm