

Series: Stubby Antenna

Description: 4G/5G 617-3800MHz
Monopole Stick Antenna

PART NUMBER: W1696/W1697/W1696-M



W1696 / W1697



W1696-M

Features:

- Frequency 617-3800MHz
- Small form factor monopole
- Antenna size W x H:

W1696 / W1697 (10 x 49.6mm), IP42

W1696-M (12 x 50mm), IP65

- Connector Type:

W1696 / W1696-M SMA (male)

W1697 RP-SMA (male)

Applications:

- 4G LTE/LTE-A, 5G NR
- LTE CAT1M
- NBIoT
- CBRS US B48
- Gateways, Set Top boxes
- Telemetry, High speed data
- IoT and M2M solutions

All dimensions are in mm / inch

Issue: 1924

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



Description: 4G/5G 617-3800MHz
 Monopole Stick Antenna

Series: Stubby Antenna

PART NUMBER: W1696/W1697/W1696-M

ELECTRICAL SPECIFICATIONS

Frequency / MHz	617-960	1710-2690	3400-3800
Nominal Impedance		50Ω	
Return Loss / dB	<-5	<-5	<-4
Peak Gain / dBi	>-0.5	>1	>0
Efficiency	40%	45%	30%
Radiation Pattern		Omni	
Polarization		Linear	
Power withstanding		5W	

Issue: 1924

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


Description: 4G/5G 617-3800MHz
Monopole Stick Antenna

Series: Stubby Antenna

PART NUMBER: W1696/W1697/W1696-M

MECHANICAL SPECIFICATIONS

Weight	W1696 / W1697: 7.5g W1696-M: 7.8g
Antenna Color	Black
Connector type	W1696 / W1696-M SMA(Male) W1697 RP-SMA(Male)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30/+85 ° C
Storage Temperature	-30/+85 ° C
Ingress Protection	IP65 (W1696-M) IP42 (W1696 and W1697)
RoHS Compliant	Yes

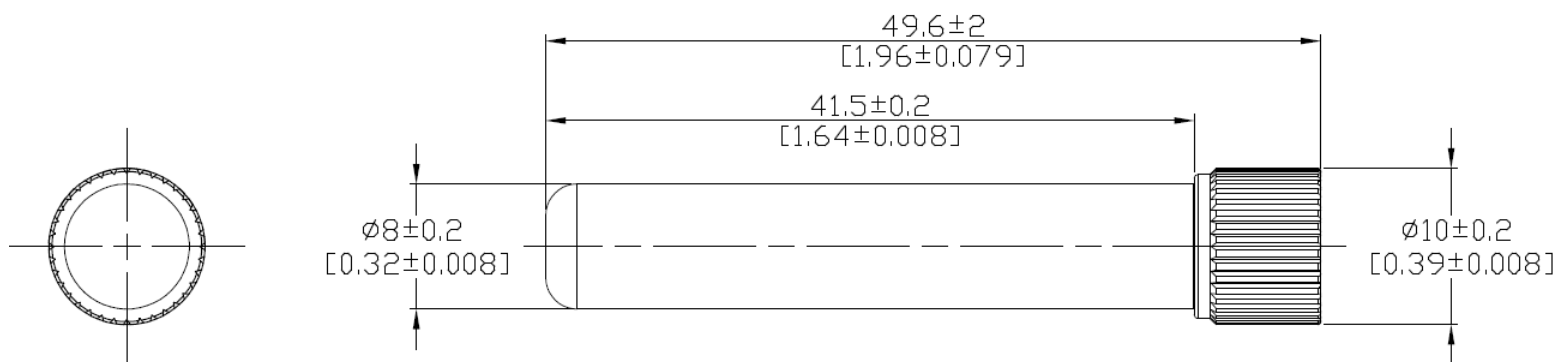
Description: 4G/5G 617-3800MHz
Monopole Stick Antenna

Series: Stubby Antenna

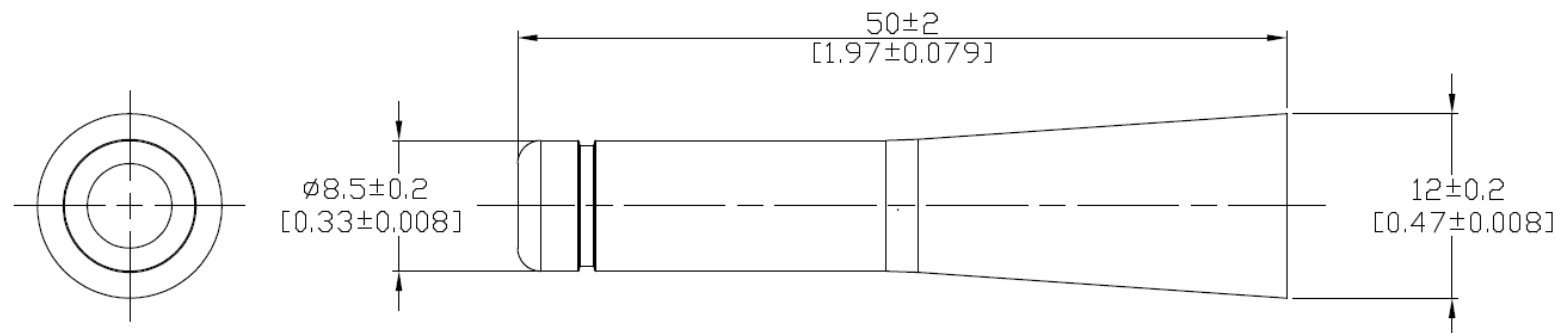
PART NUMBER: W1696/W1697/W1696-M

MECHANICAL DRAWING

W1696 / W1697



W1696-M



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

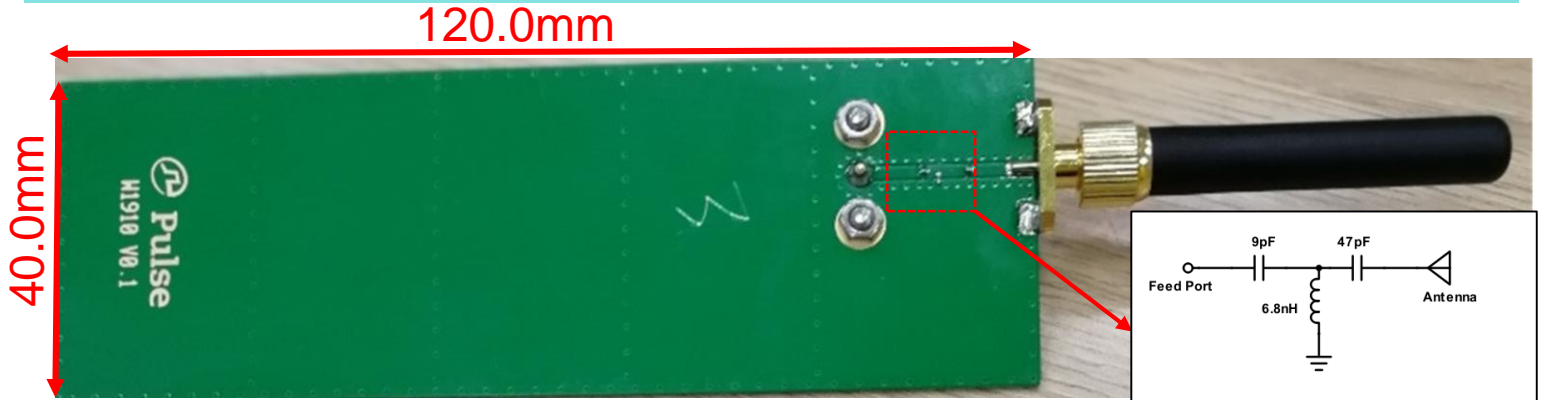
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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

Description: 4G/5G 617-3800MHz
Monopole Stick Antenna

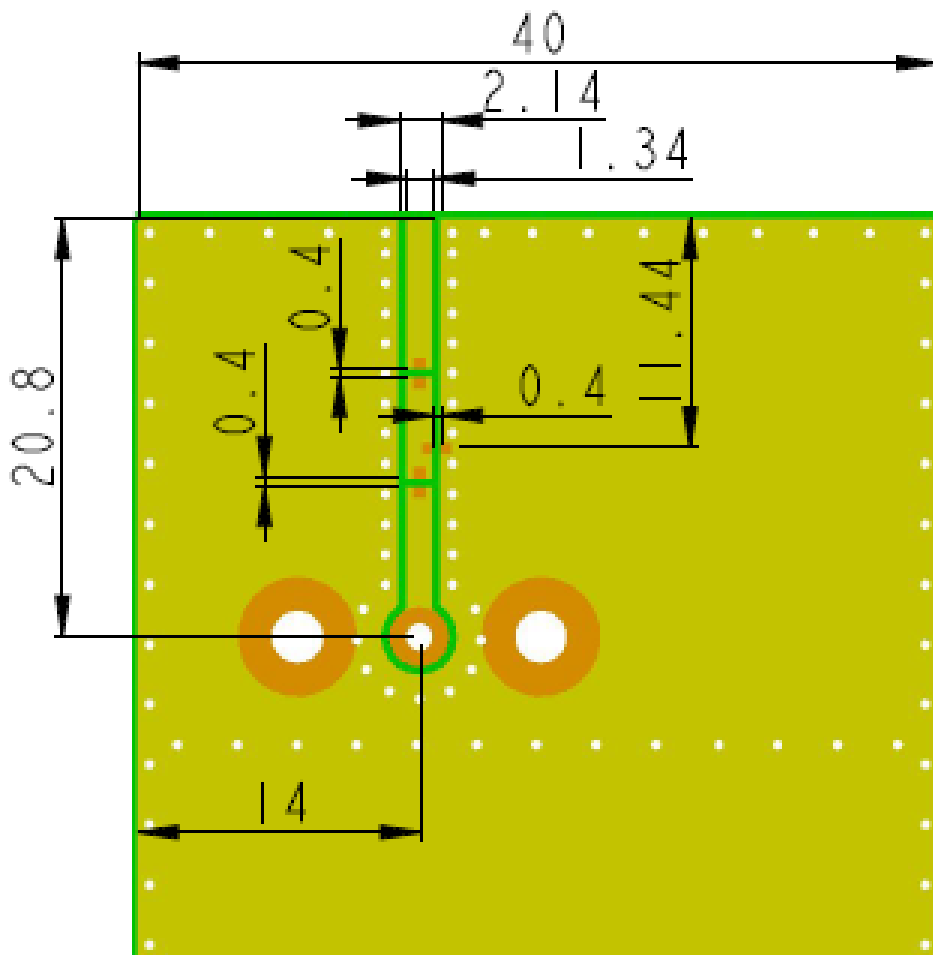
Series: Stubby Antenna

PART NUMBER: W1696/W1697/W1696-M

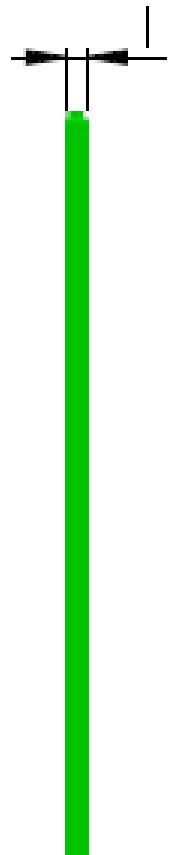
TEST SETUP



#Test on 40.0*120.0mm ground plane with matching circuit.



Unit: mm



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.

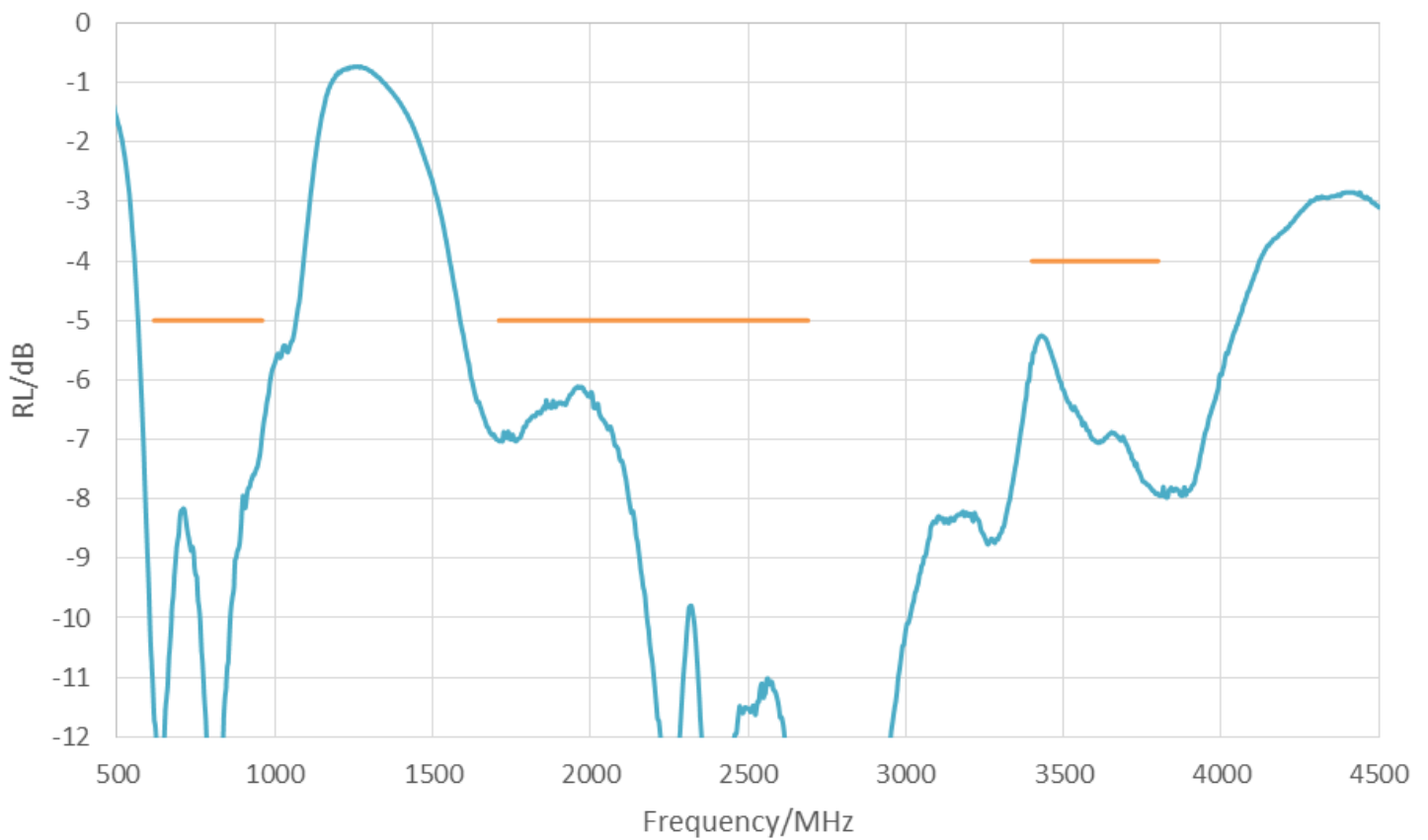
Description: 4G/5G 617-3800MHz
Monopole Stick Antenna

PART NUMBER: W1696/W1697/W1696-M

Series: Stubby Antenna

CHARTS

Return Loss vs Frequency



Issue: 1924

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.

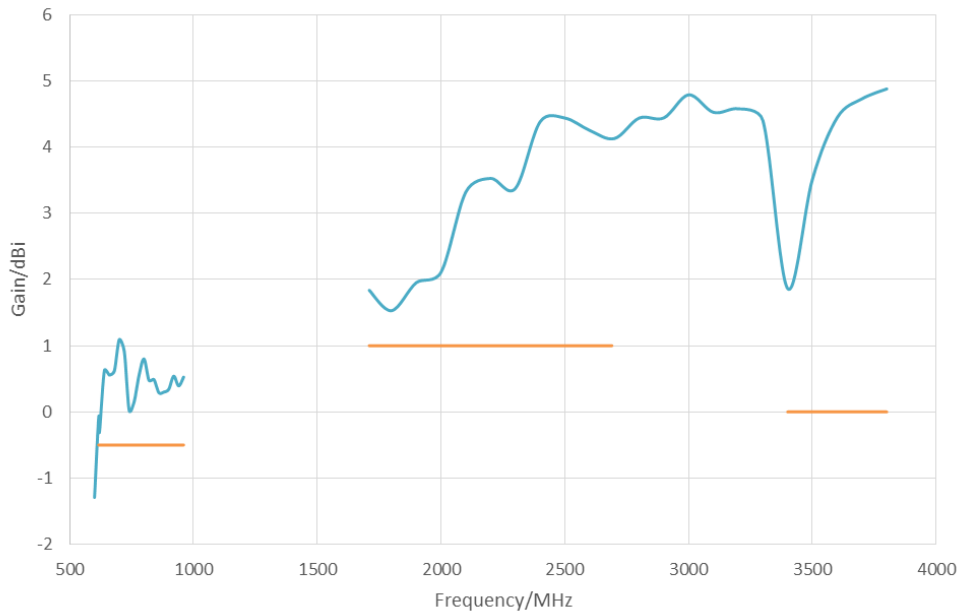
Description: 4G/5G 617-3800MHz
Monopole Stick Antenna

Series: Stubby Antenna

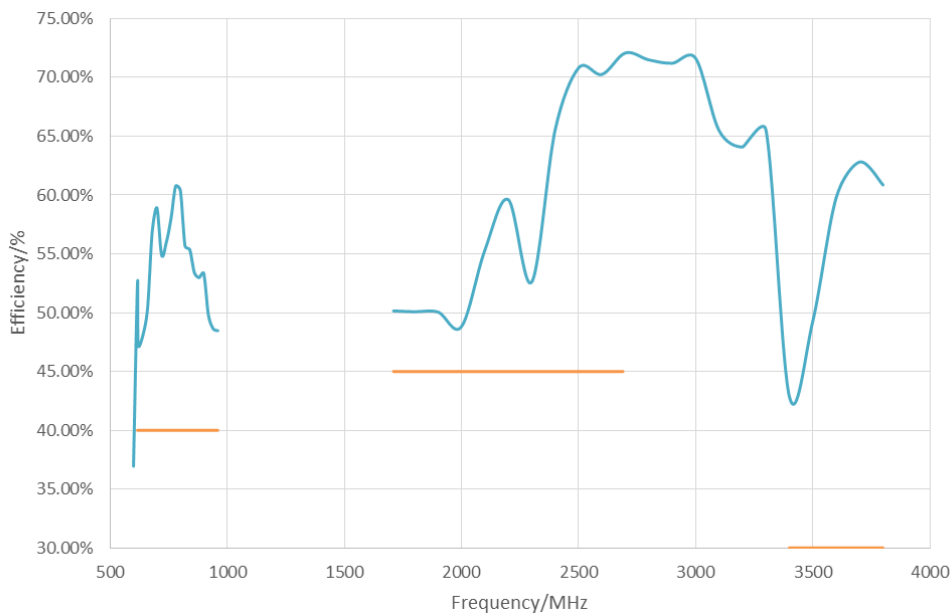
PART NUMBER: W1696/W1697/W1696-M

CHARTS

Peak Gain vs Frequency



Radiation Efficiency vs Frequency



Issue: 1924

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.

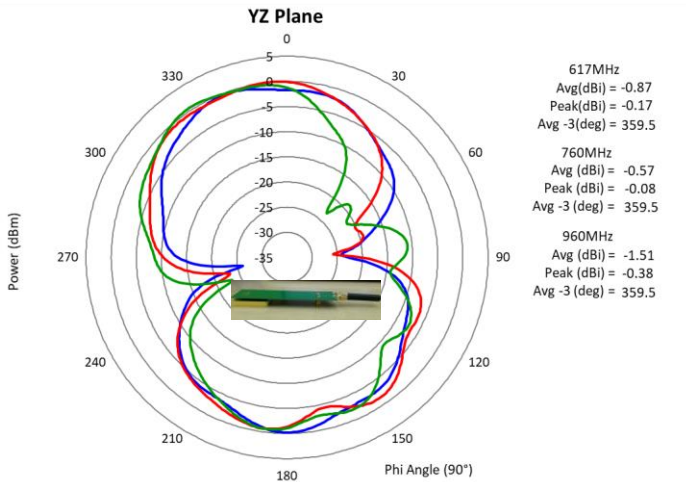
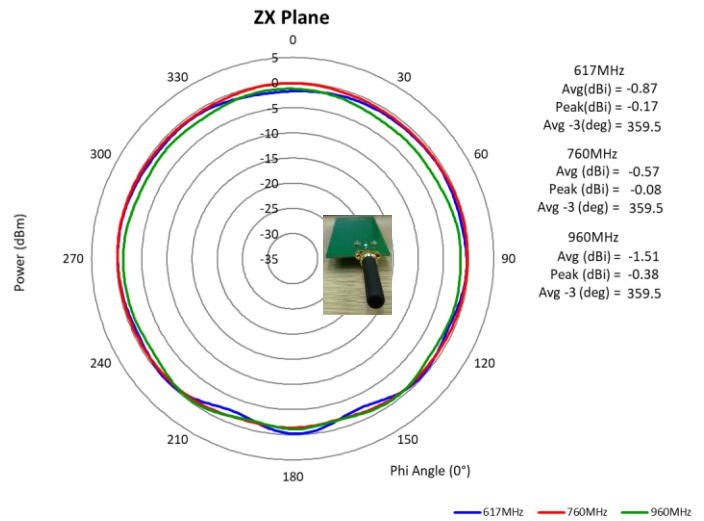
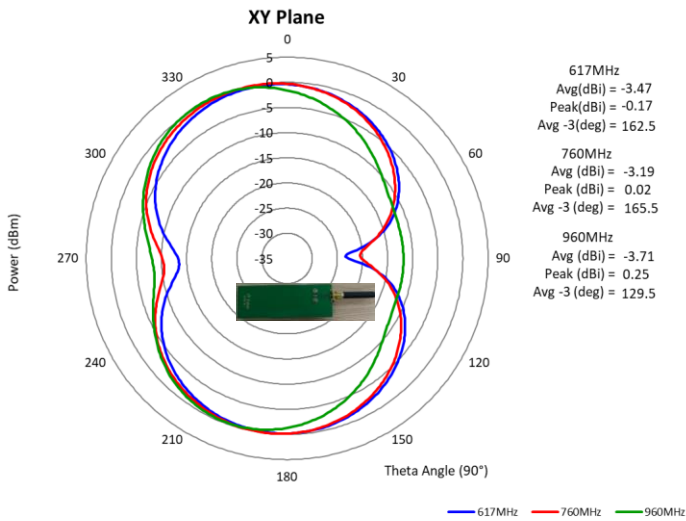
**Description: 4G/5G 617-3800MHz
Monopole Stick Antenna**

Series: Stubby Antenna

PART NUMBER: W1696/W1697/W1696-M

CHARTS

Free Space Radiation Pattern(617-960MHz)



Issue: 1924

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.

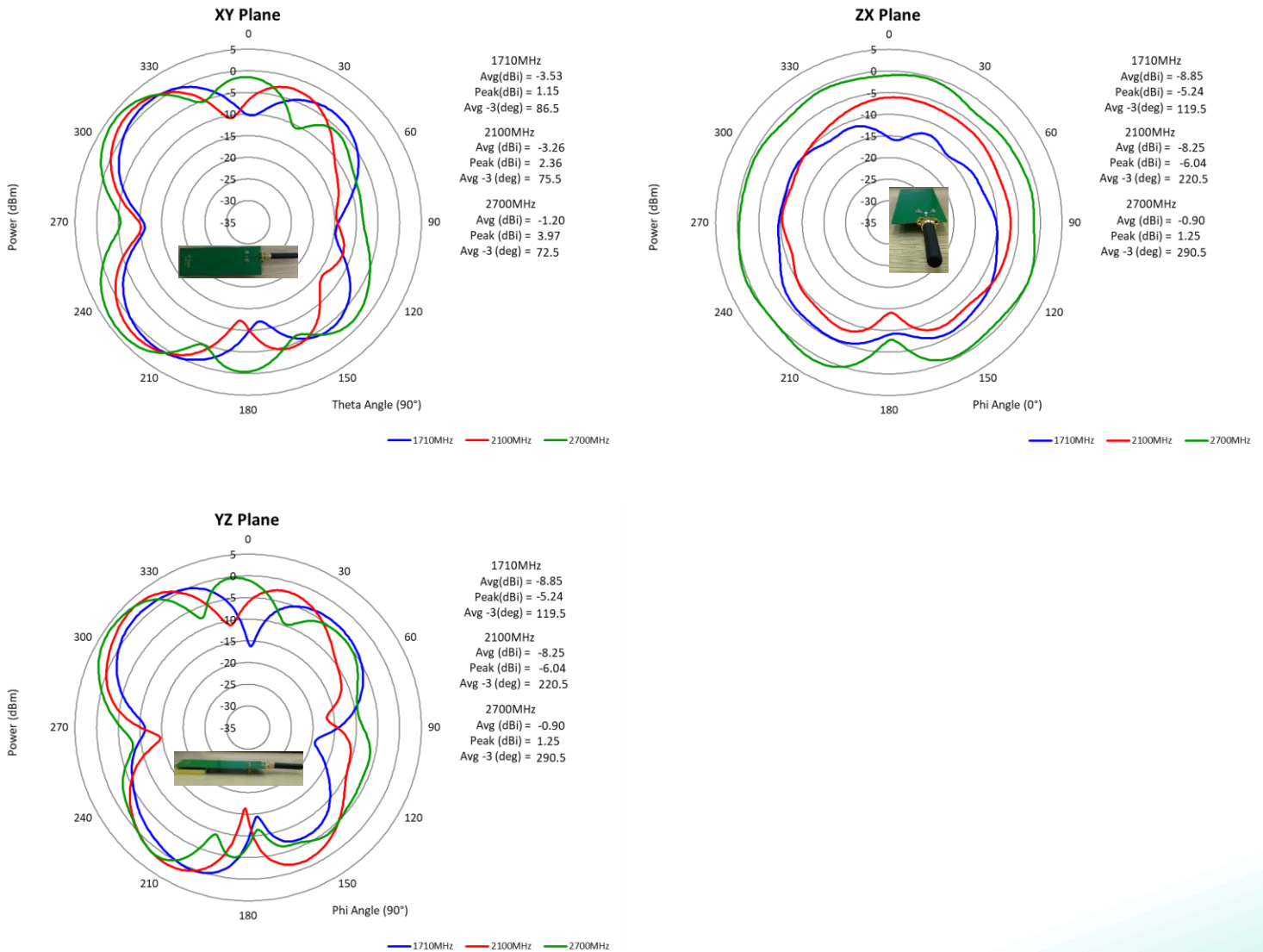
**Description: 4G/5G 617-3800MHz
Monopole Stick Antenna**

Series: Stubby Antenna

PART NUMBER: W1696/W1697/W1696-M

CHARTS

Free Space Radiation Pattern(1710-2690MHz)



Issue: 1924

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.

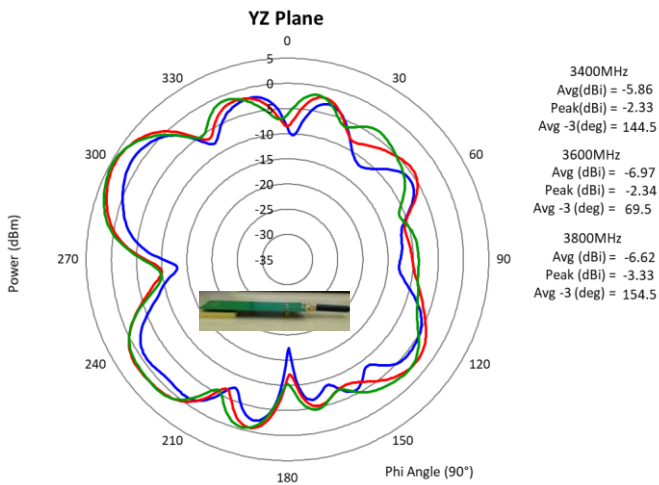
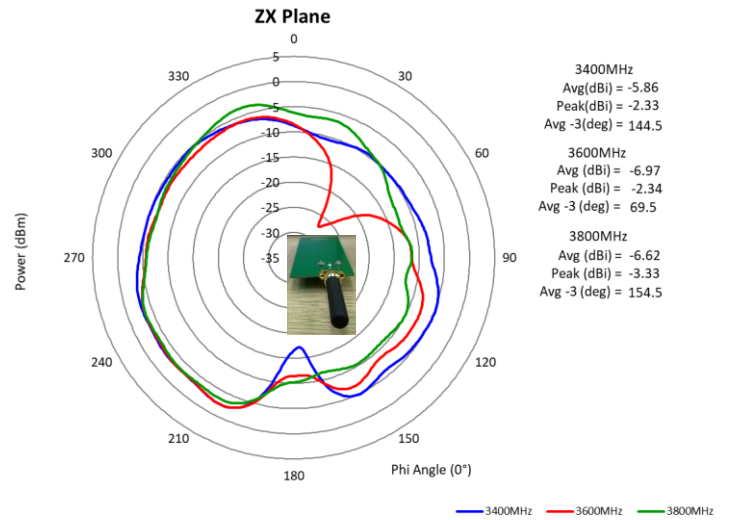
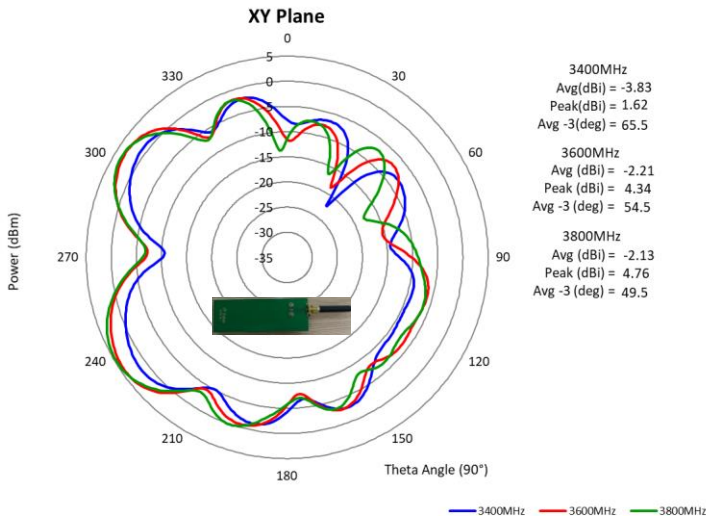
**Description: 4G/5G 617-3800MHz
Monopole Stick Antenna**

Series: Stubby Antenna

PART NUMBER: W1696/W1697/W1696-M

CHARTS

Free Space Radiation Pattern(3400-3800MHz)



Issue: 1924

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/5G 617-3800MHz
Monopole Stick Antenna**

PART NUMBER: W1696/W1697/W1696-M

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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9