

Series: External Antenna

Description: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

PART NUMBER: W5029RPG



Features:

- WiFi Dual-Band
- DSRC
- Multi banded
2.4-2.5 GHz
5.15-6 GHz
- IP65
- Length 80mm

Applications:

- Zigbee, BLE/BT, WLAN (2.4GHz, 5GHz)
- DSRC V2x communication
- Rugged Outdoor Systems
- Marine, Mining, Utility, Oil/Gas Environments
- Industrial Applications
- Metering, Security, IoT Applications
- Outdoor Networking
- Data Transmission, Access Points

Issue: 1648 P DRAFT JeanieFei

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



Preliminary

Description: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

Series: External Antenna

PART NUMBER: W5029RPG

ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5GHz/5.15-6GHz
Nominal Impedance	50Ω
Return Loss	2.4-2.5GHz <-10dB 5.15-5.85GHz <-4dB 5.55GHz <-10dB
Gain (Radiating element	2.4-2.5GHz 2.3dBi +/-1 dBi 5.15-5.85GHz 5dBi +/-1dBi 5.925GHz 3dBi +/-1dBi
Radiation Pattern	Omni in Horizontal plane
Polarization:	Vertical
Power withstanding	1W
Connector type	RP SMA male

Description: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

Series: External Antenna

PART NUMBER: W5029RPG

MECHANICAL SPECIFICATIONS

Plastic radome	TPEE
Color	Black
Weight	20g
Overall Length	80 mm
IP Rate	IP65

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-35/+85° C
Storage Temperature	-40/+85° C

Issue: 1648 P DRAFT JeanieFei

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: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

Series: External Antenna

PART NUMBER: W5029RPG

MECHANICAL DRAWING



Issue: 1648 P DRAFT JeanieFei

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: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

Series: External Antenna

PART NUMBER: W5029RPG

CHARTS

Return Loss



Issue: 1648 P DRAFT JeanieFei

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



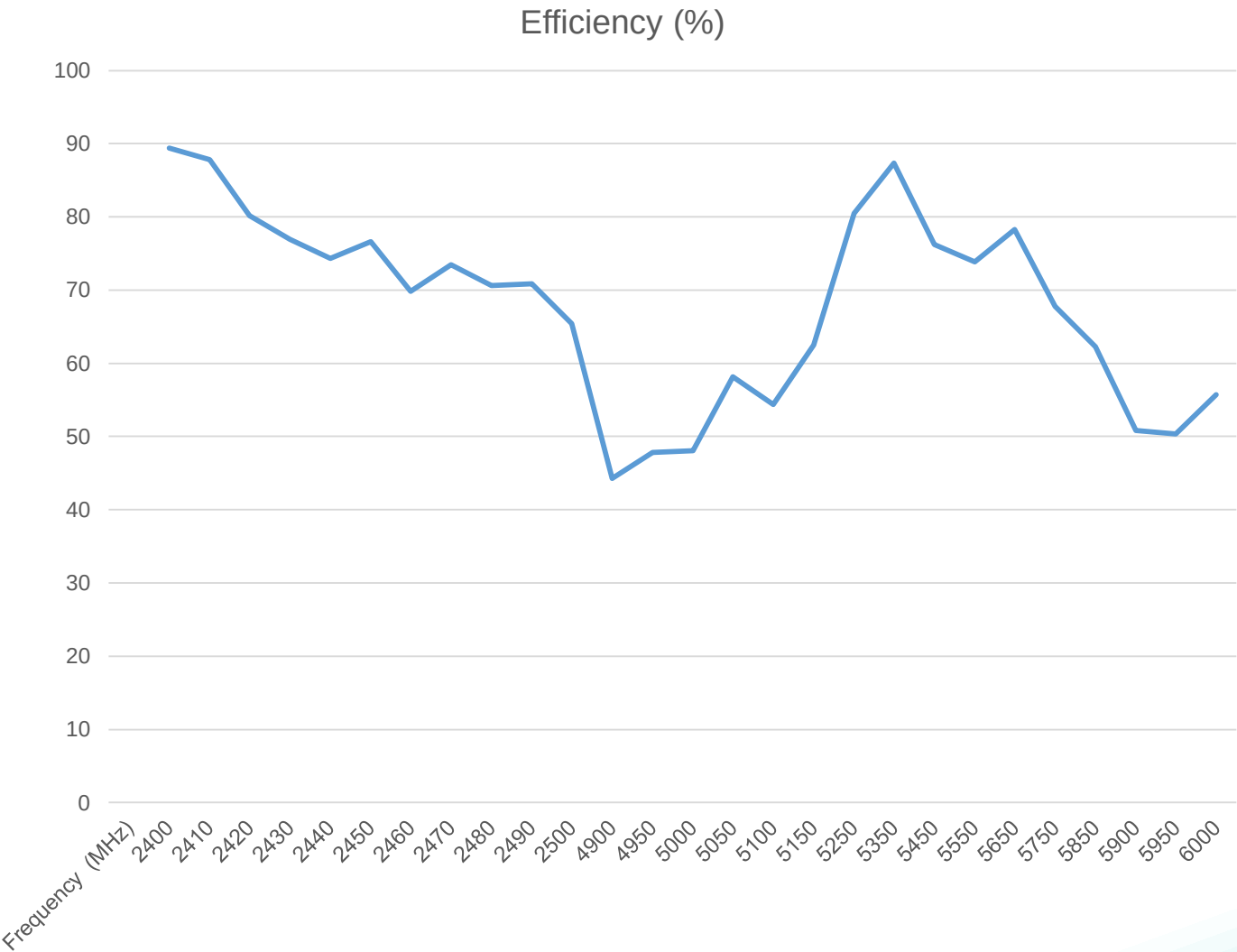
Description: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

Series: External Antenna

PART NUMBER: W5029RPG

CHARTS

Efficiency(%)



Issue: 1648 P DRAFT JeanieFei

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



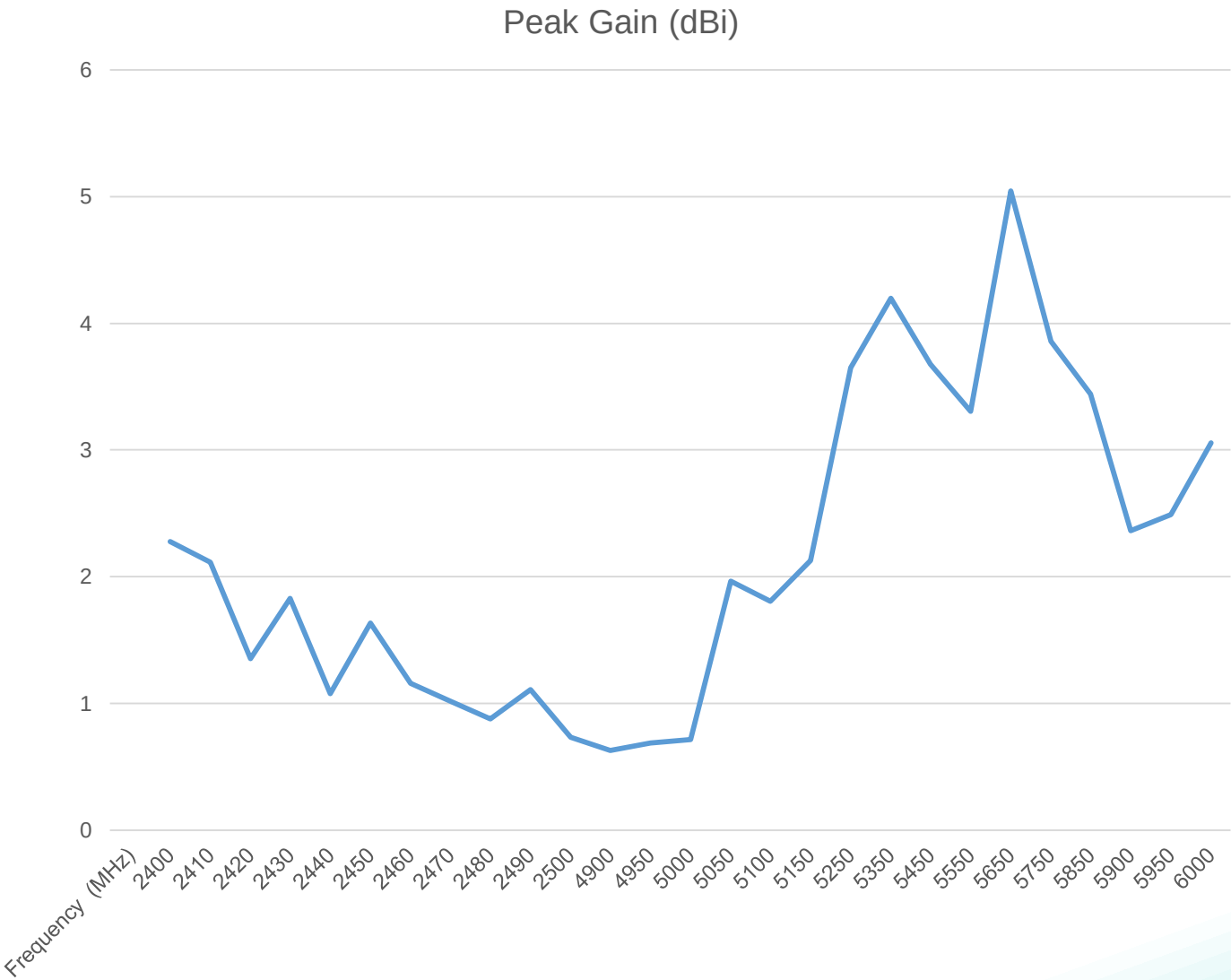
Description: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna

Series: External Antenna

PART NUMBER: W5029RPG

CHARTS

Peak Gain (dBi)



Issue: 1648 P DRAFT JeanieFei

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: 2.4-2.5/5.15-6GHz IP65 Stick Antenna

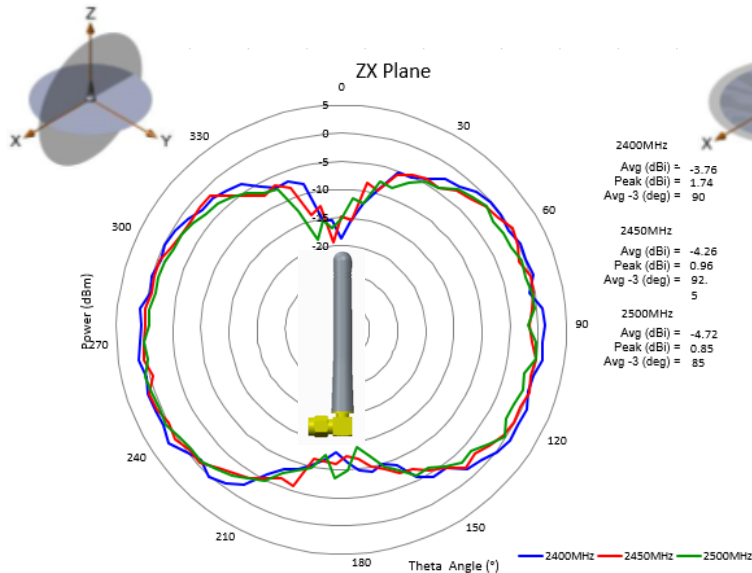
Series: External Antenna

PART NUMBER: W5029RPG

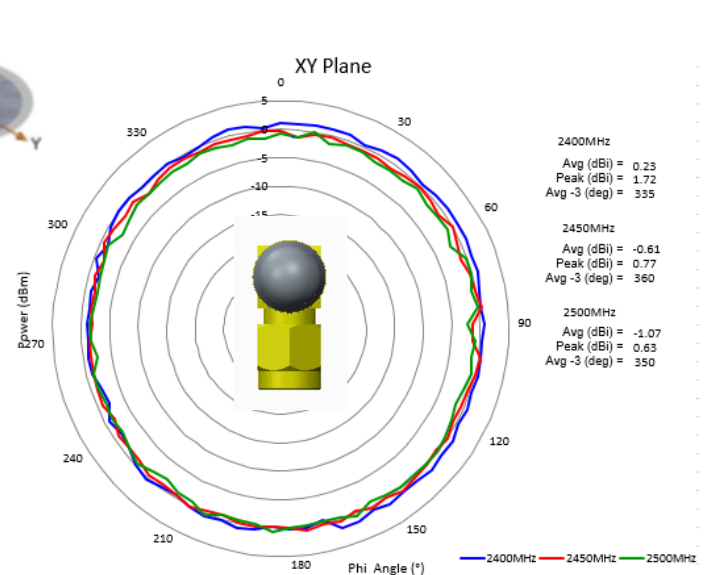
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



Issue: 1648 P DRAFT JeanieFei

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: 2.4-2.5/5.15-6GHz IP65 Stick Antenna

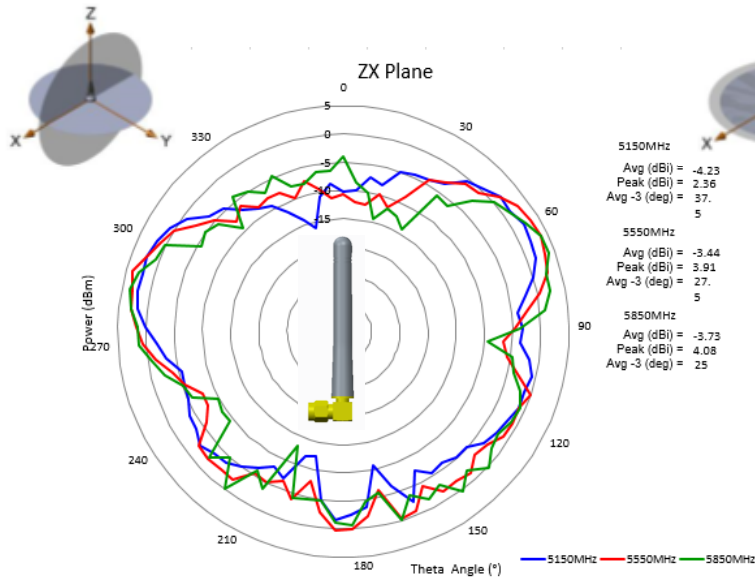
Series: External Antenna

PART NUMBER: W5029RPG

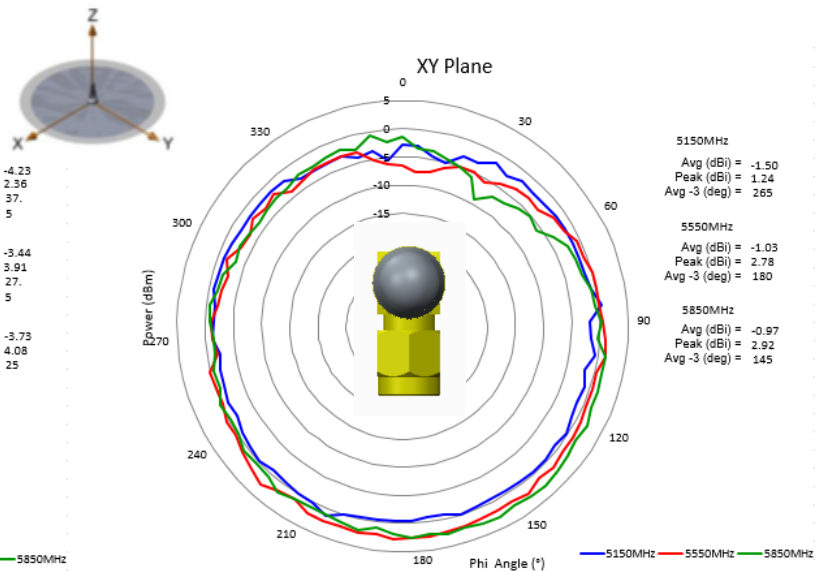
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



Issue: 1648 P DRAFT JeanieFei

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: 2.4-2.5/5.15-6GHz IP65 Stick
Antenna**

Series: External Antenna

PART NUMBER: W5029RPG

PACKAGING

Package 600 antenna into one box

Issue: 1648 P DRAFT JeanieFei

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

