



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

PART NUMBER: W5095X



### Features:

- 698-2690MHz
- Gain 1-2.5dBi
- IP65
- Total length 229mm (straight)
- Total length 197.5mm (bent)
- Width 30.5mm
- Connector options:
  - W5095 TNC male
  - W5095K SMA male

### Applications:

- LTE radios
- 2G/3G/4G radios
- Gateways, set top boxes, security
- Optimized for straight and 90deg bent positions

Issue: 1643

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 34<sup>th</sup> 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,4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998



Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

PART NUMBER: W5095X

**ELECTRICAL SPECIFICATIONS**

Frequency	698-960/1400-2690	GHz
Nominal Impedance	50	$\Omega$
VSWR	2.5:1	
Gain (698-960MHz)	1.0	dBi+/- 1dB
Gain (1400-2170MHz)	1.07	dBi+/- 1dB
Gain (2300-2500MHz) )	1.48	dBi+/- 1dB
Gain (2500-2690MHz) )	2.16	dBi+/- 1dB
Average Efficiency(698-960MHz)	60	%
Average Efficiency(1400-2170MHz)	65	%
Average Efficiency(2300-2500MHz)	70	%
Average Efficiency(2500-2690MHz)	85	%
Horizontal Plane	OMNI	
Polarization	Vertical	
Power withstanding	3	W
Connector type	TNC male (SMA male is optional)	
Connector Options	W5095	TNC male connector
	W5095K	SMA male connector

Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

PART NUMBER: **W5095X**

### MECHANICAL SPECIFICATIONS

Plastic radome	ABS/PC
Color	Black
Flammability	UL94-V0
Ingress Protection	IP65
Weight	50 g
Wind-loading	100 mph
Overall Length	9[229] INCHES[mm]
Position	0°, 45° & 90°

### ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40/+85 ° C
Storage Temperature	-40/+85 ° C
Salt mist	96 hours

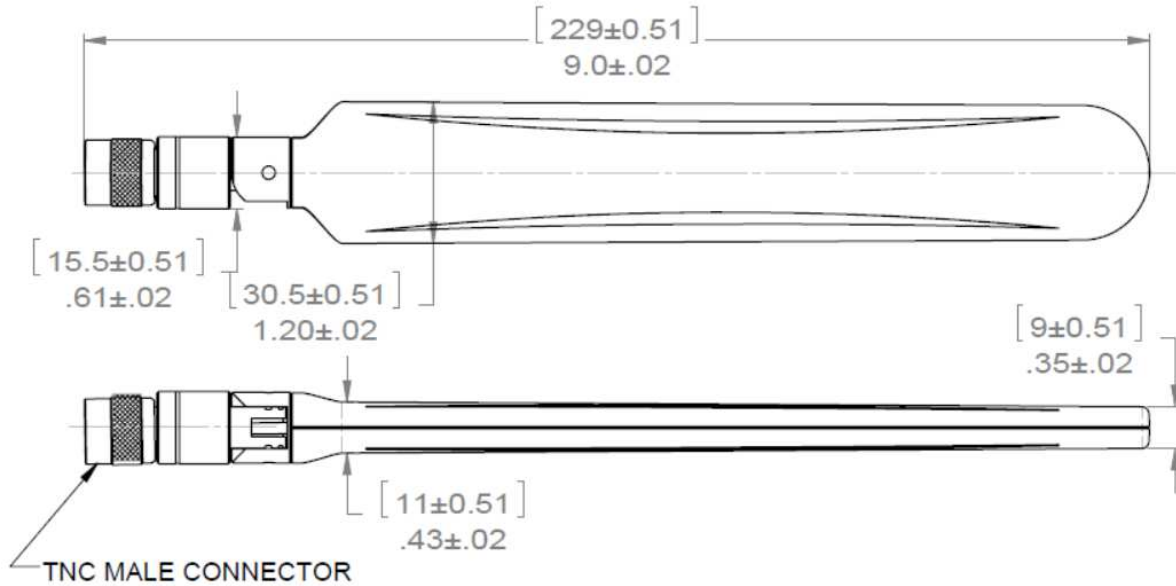
Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

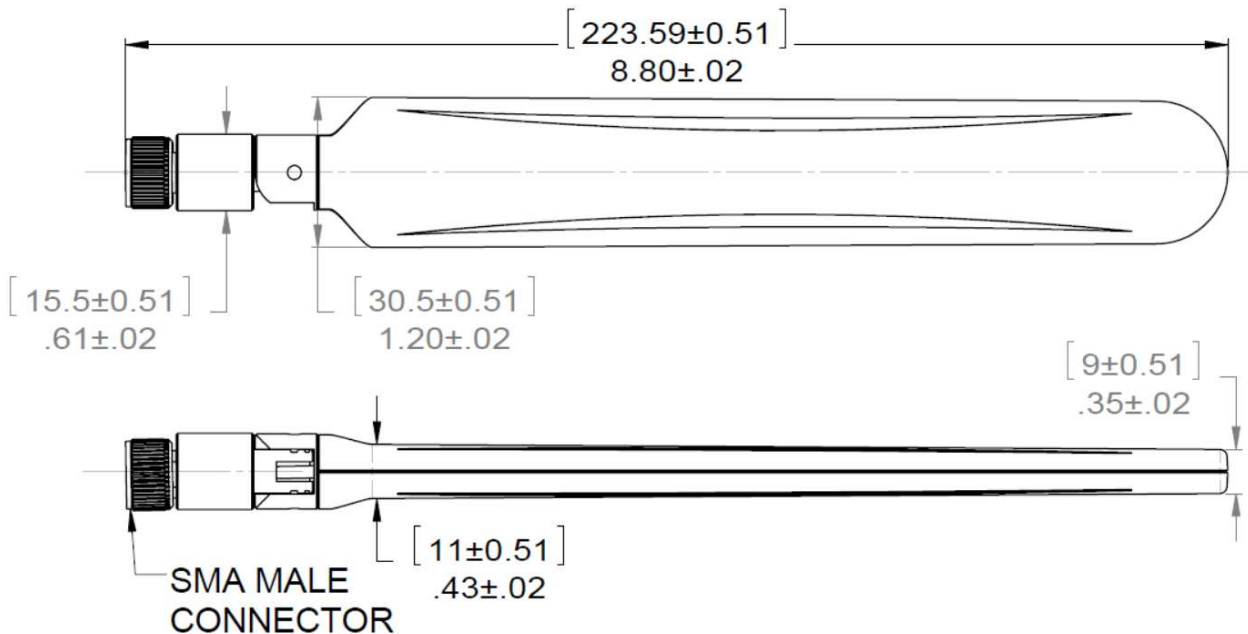
PART NUMBER: W5095X

MECHANICAL DRAWING

W5095 TNC male connector



W5095K SMA male connector



Issue: 1643

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: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

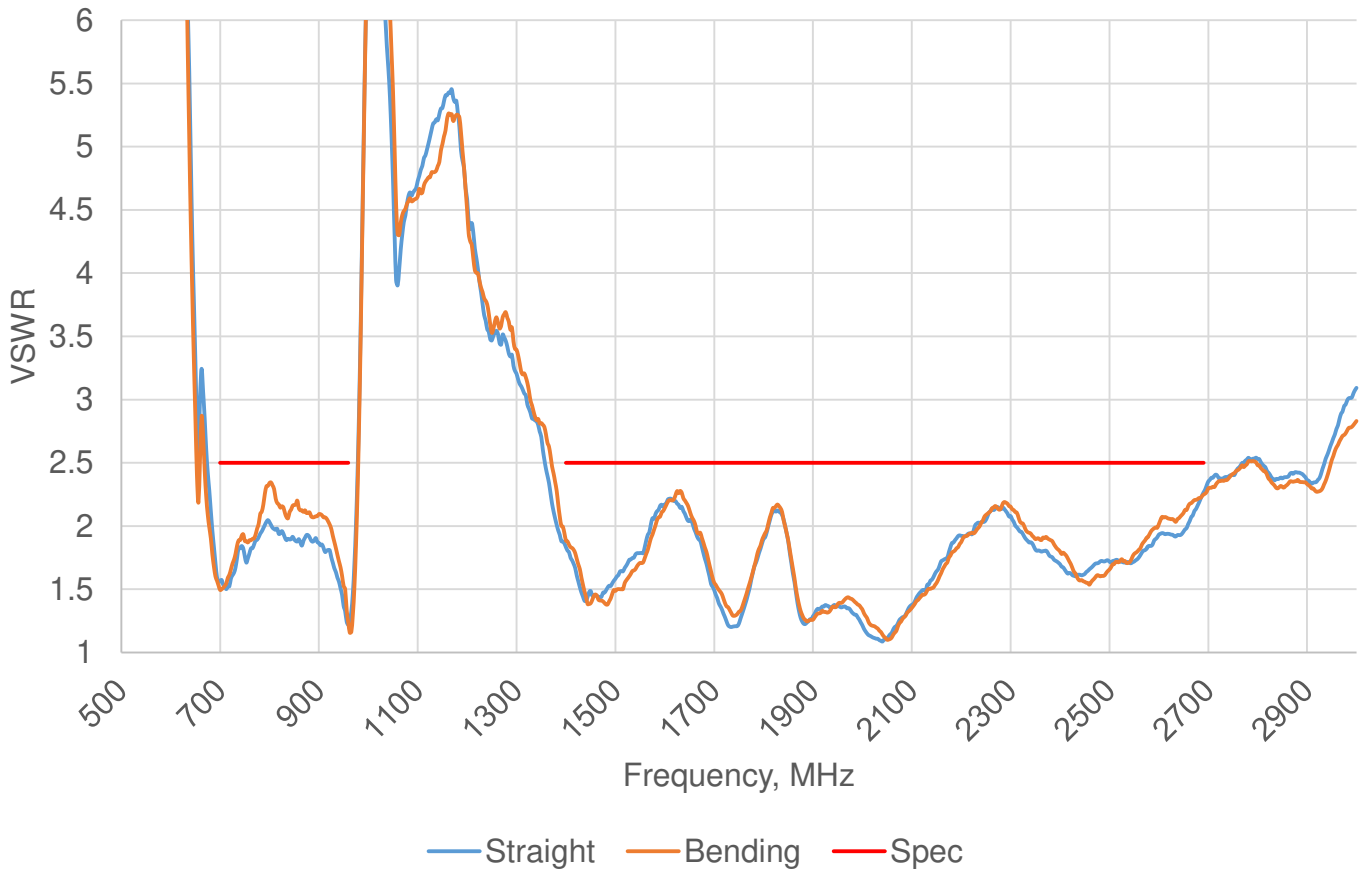
Series: Blade Antenna

PART NUMBER: W5095X

OTHER SPECIFICATIONS

VSWR

Efficiency vs Frequency measured in free space  
W5095 measured in PSU



Issue: 1643

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: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

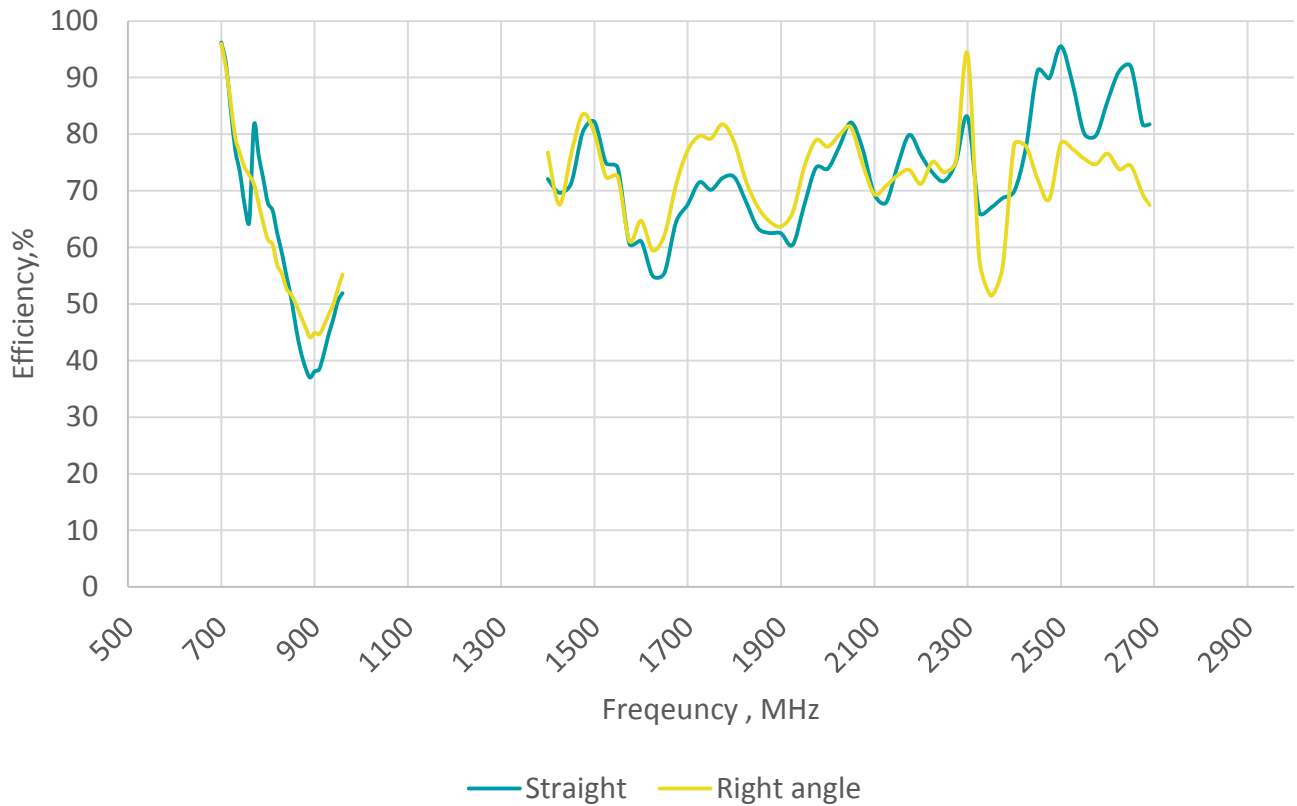
Series: Blade Antenna

PART NUMBER: W5095X

CHARTS

Efficiency

Efficiency vs Frequency measured in free space  
W5095 measured in PSU



Issue: 1643

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: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

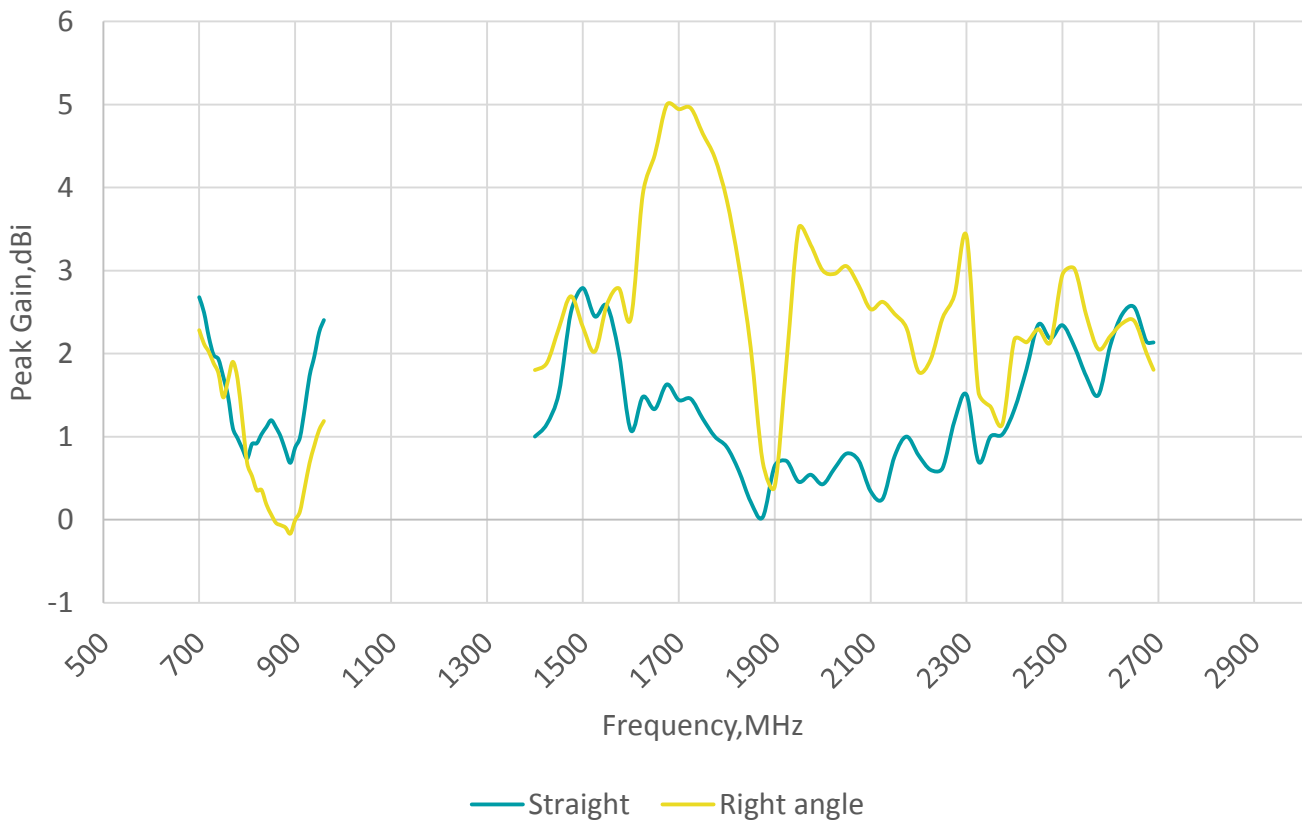
Series: Blade Antenna

PART NUMBER: W5095X

CHARTS

Peak Gain

Peak Gain vs Frequency measured in free space  
W5095 measured in PSU



Issue: 1643

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.

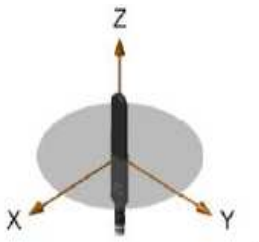


Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

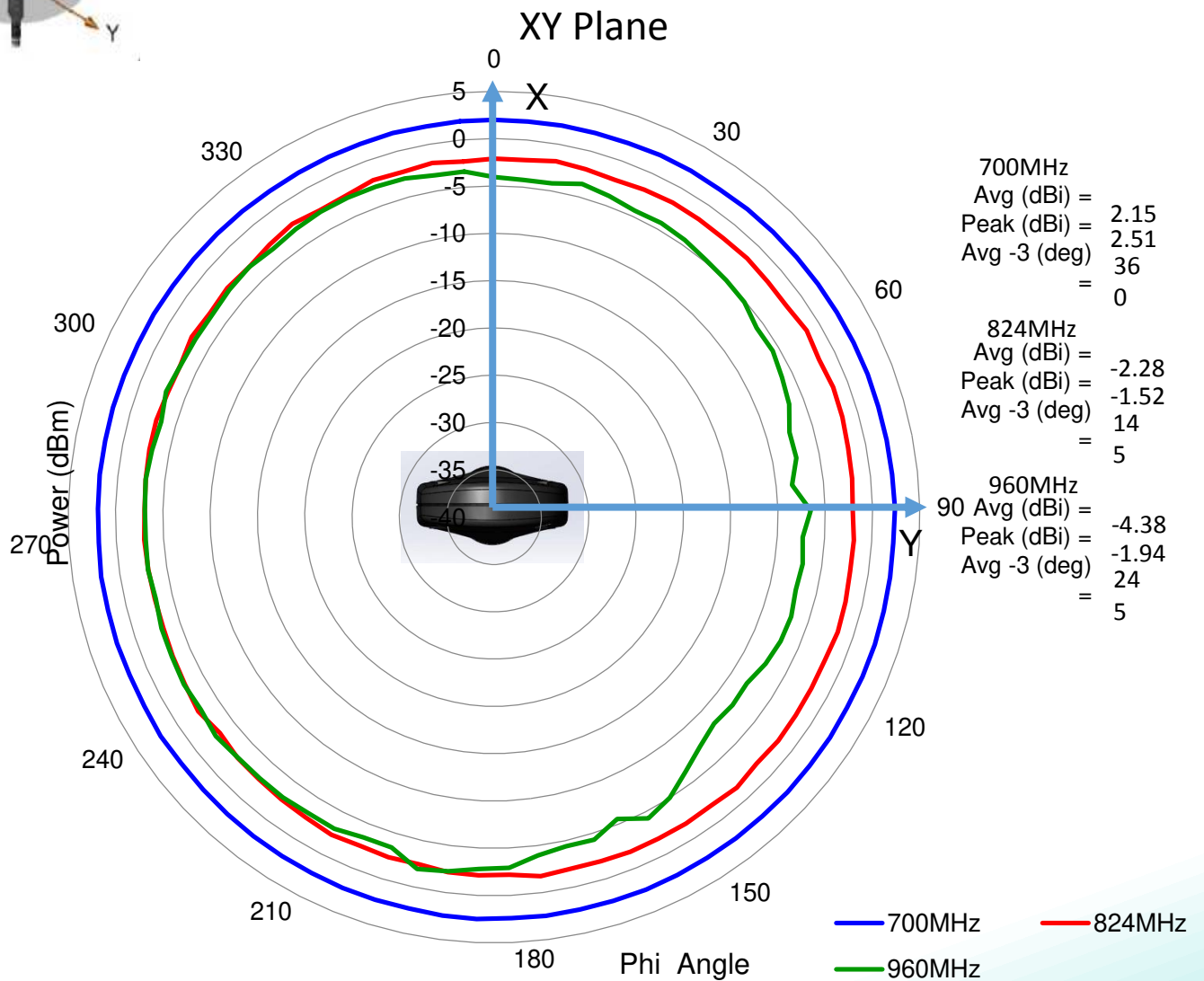
Series: Blade Antenna

PART NUMBER: W5095X

CHARTS



Gain Plots



Issue: 1643

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.

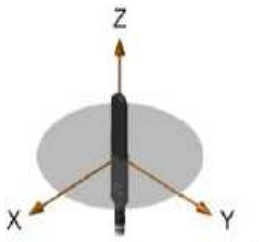


Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

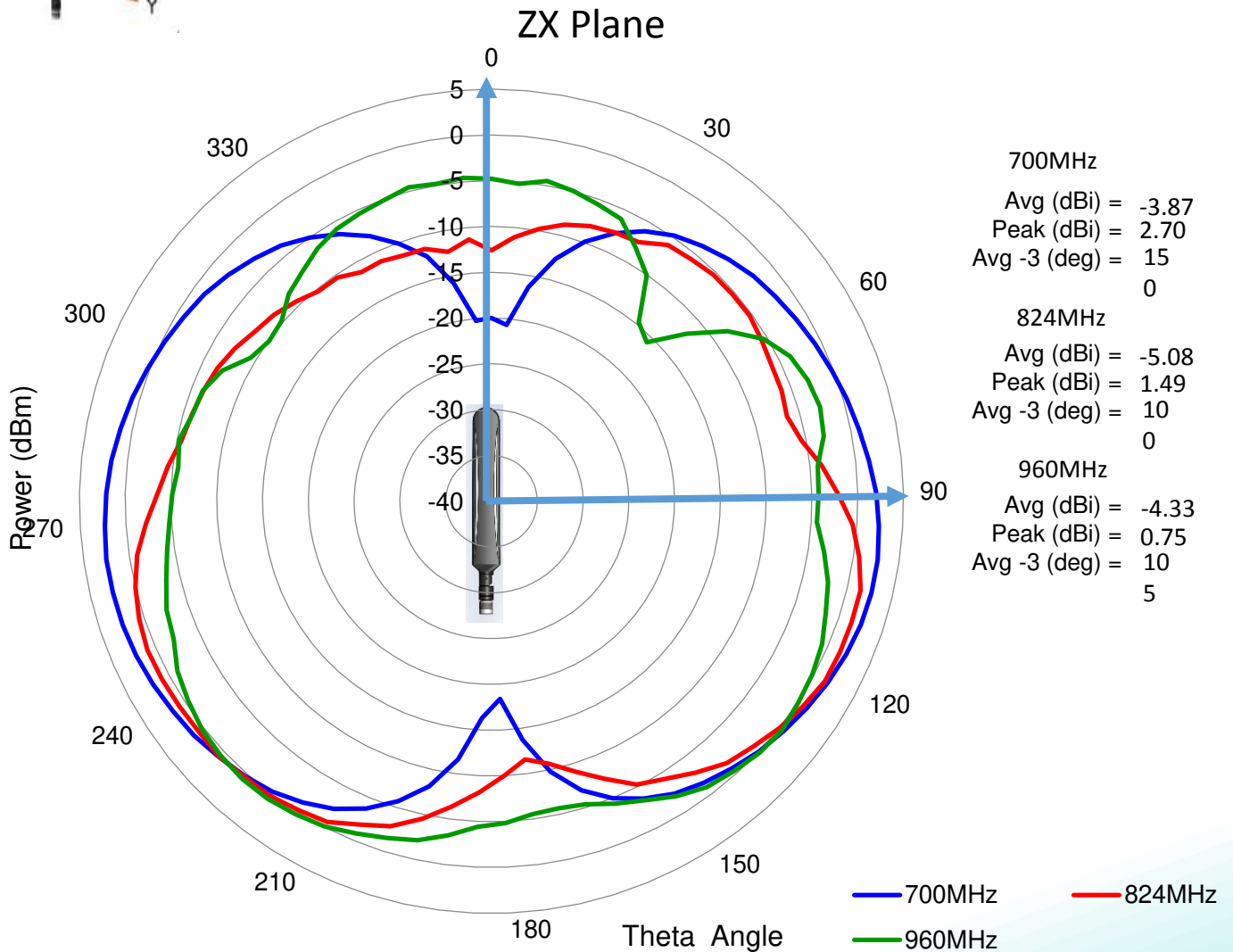
Series: Blade Antenna

PART NUMBER: W5095X

CHARTS



Gain Plots



Issue: 1643

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

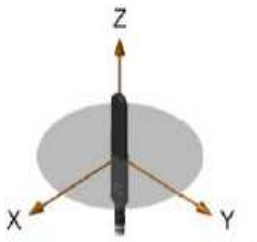
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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

Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

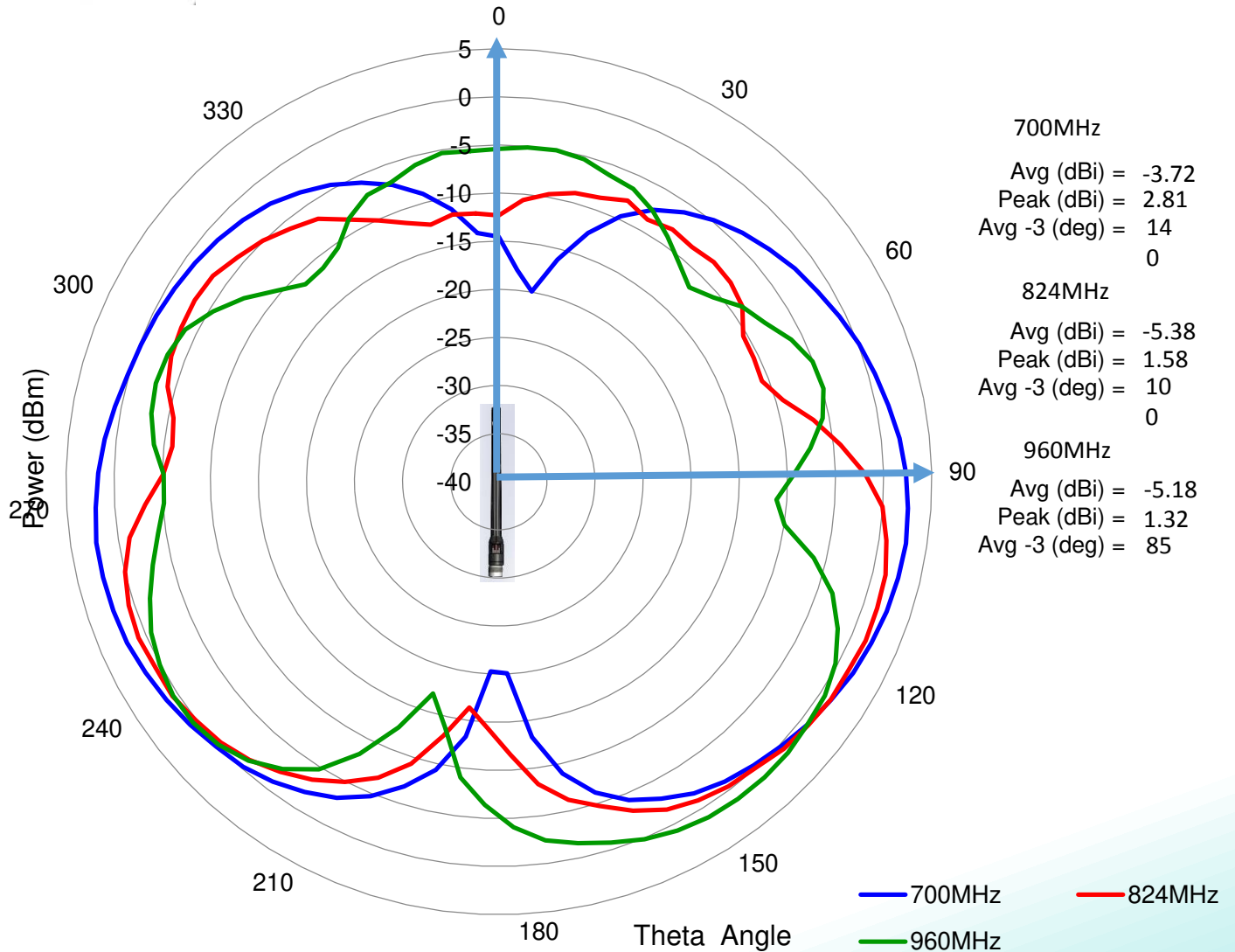
PART NUMBER: W5095X

CHARTS



Gain Plots

YZ Plane



Issue: 1643

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.

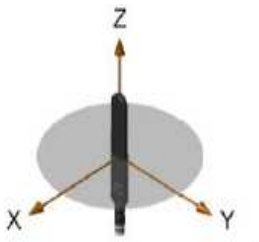


Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

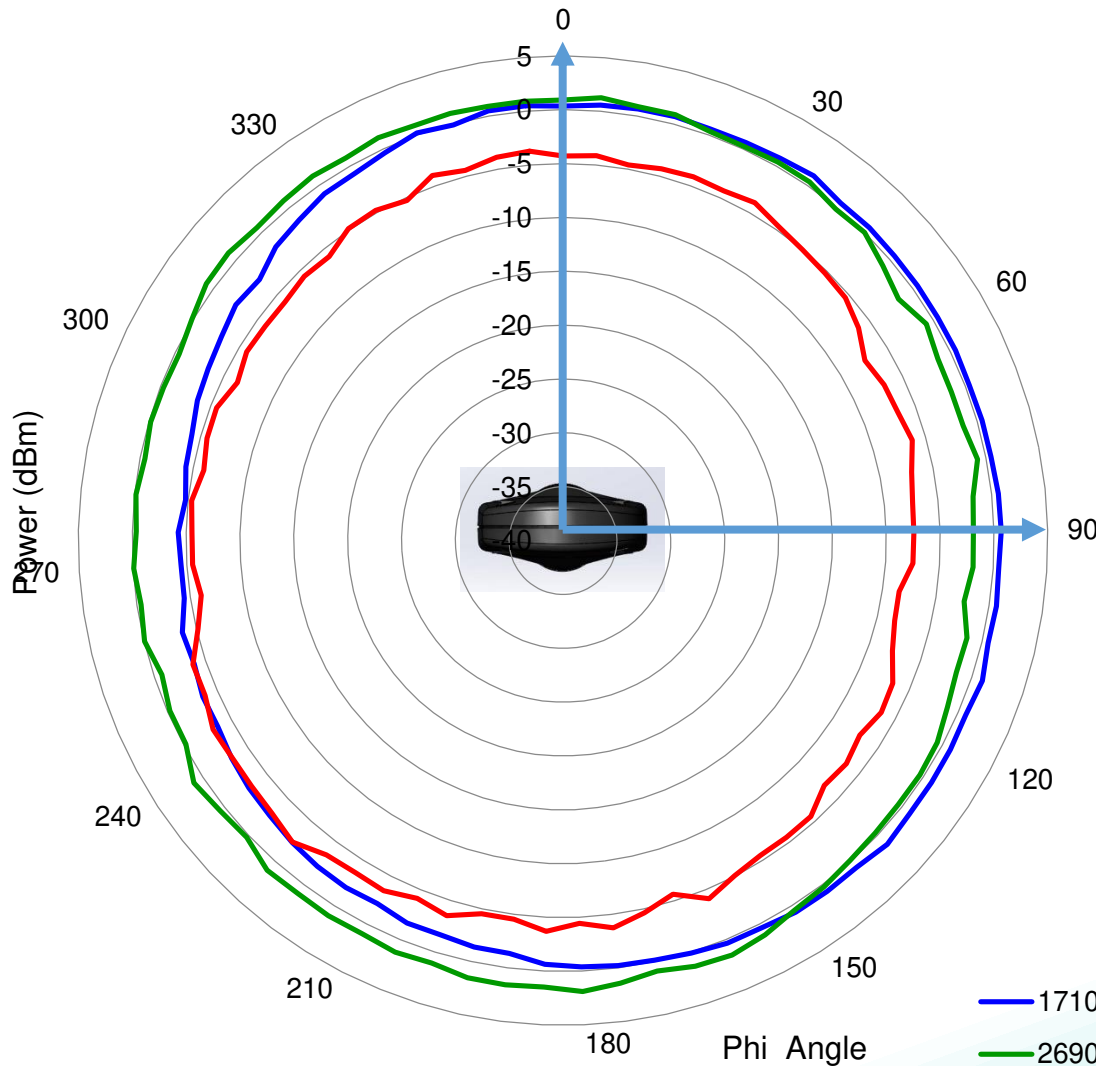
PART NUMBER: W5095X

CHARTS



Gain Plots

XY Plane



1710MHz
Avg (dBi) = -0.86
Peak (dBi) = 1.24
Avg -3 (deg) = 245
2170MHz
Avg (dBi) = -5.19
Peak (dBi) = -2.39
Avg -3 (deg) = 190
2690MHz
Avg (dBi) = 0.18
Peak (dBi) = 1.89
Avg -3 (deg) = 305

— 1710MHz — 2170MHz  
— 2690MHz

Issue: 1643

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.

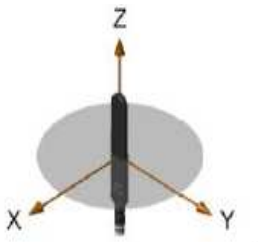


Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

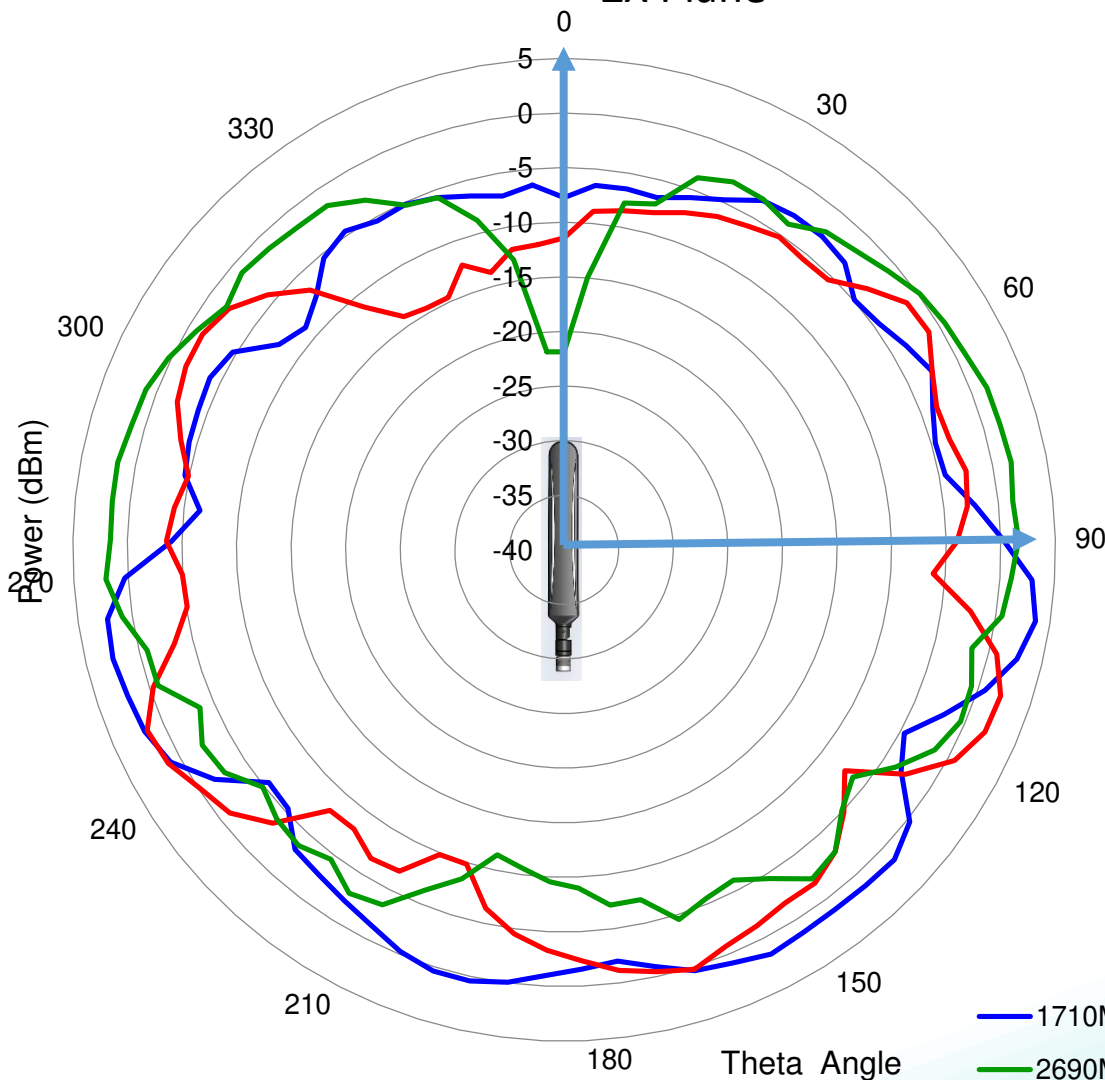
PART NUMBER: W5095X

CHARTS



Gain Plots

ZX Plane



1710MHz	Avg (dBi) = -2.68
	Peak (dBi) = 3.66
	Avg -3 (deg) = 65
2170MHz	Avg (dBi) = -4.81
	Peak (dBi) = 2.17
	Avg -3 (deg) = 50
2690MHz	Avg (dBi) = -3.86
	Peak (dBi) = 2.04
	Avg -3 (deg) = 11
	5

— 1710MHz — 2170MHz  
— 2690MHz

Issue: 1643

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.

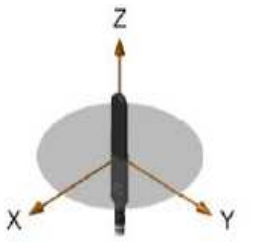


Description: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

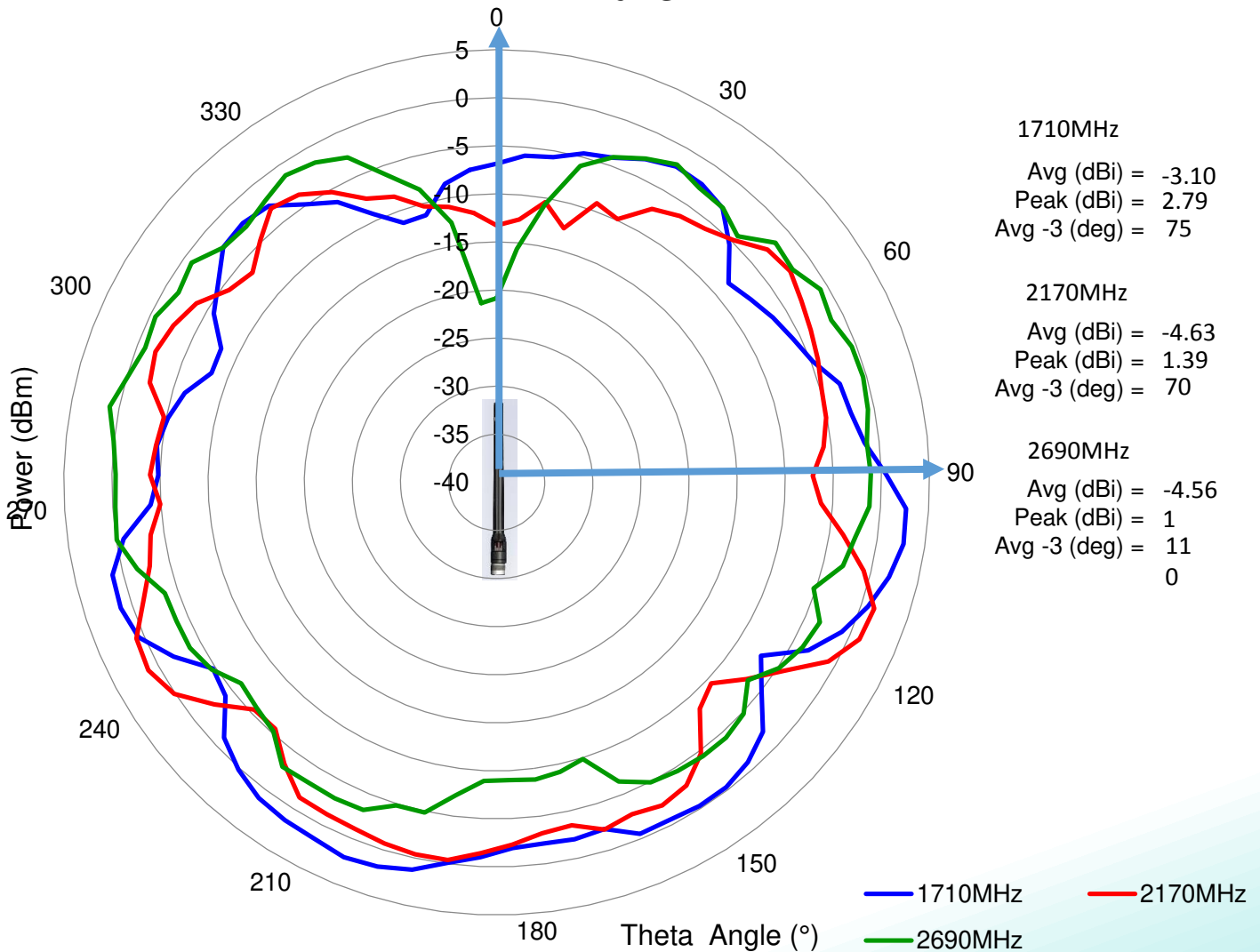
PART NUMBER: W5095X

CHARTS



Gain Plots

YZ Plane



Issue: 1643

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: MULTI BAND SWIVEL MOUNT DIPOLE  
698-960&1447-1510&1710-2690MHz

Series: Blade Antenna

PART NUMBER: W5095X

## PACKAGING

1PCS/PE bag

100PCS/Carton box



Issue: 1643

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.