

Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA



Features:

- Frequency 1559-1610MHz
- LNA Gain 26dB
- Current consumption 9mA
- High rejection filters
- Cable 5m RG-174, SMA-Male
- IP65
- Mounting with adhesive tape

Applications:

- GPS, GLONASS, BeiDou, Compass, Galileo satellite navigation system
- Asset tracking, Fleet management, IoT, M2M
- Satellite navigation active antenna

All dimensions are in mm / inches

Issue: 1914

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: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA

ELECTRICAL SPECIFICATIONS

Antenna Radiator Type		Ceramic chip
Frequency		1559-1610MHz
Nominal Impedance		50 Ω
VSWR**		2.5:1
Radiation Pattern		Omni
Gain*		-2 / -1.5 / -2.5dBi
Efficiency*		35 / 40 / 35%
Polarization		Linear / Vertical
LNA gain		26 dB ± 2 dB
Noise Figure		2.5 (cascade) dB
Current		9 mA ± 2 mA
Vdc		3-5Vdc
LNA and filter attenuation		
	@ 1500MHz	0dB
	@ 1640MHz	0dB
Filter attenuation		
	10-925MHz	50dB
	1427-1463MHz	32dB
	1710-1980MHz	40dB
	2400-2570MHz	30dB
	2570-3000MHz	27dB

* Measured with 4 inch cables

** Measured with 3 feet cables

Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA

MECHANICAL SPECIFICATIONS

Antenna size	53 x 29.9 x 6.6mm
Weight	85.3g
Antenna Color / Material	PC+ABS/Black
Connector type	SMA-Male
Cable type	RG-174
Cable length	5000mm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ 85° C
Storage Temperature	-40 ~ 85° C
Ingress Protection	IP65
RoHS Compliant	Yes

ASSEMBLY METHOD

Mounting with Adhesive tape.

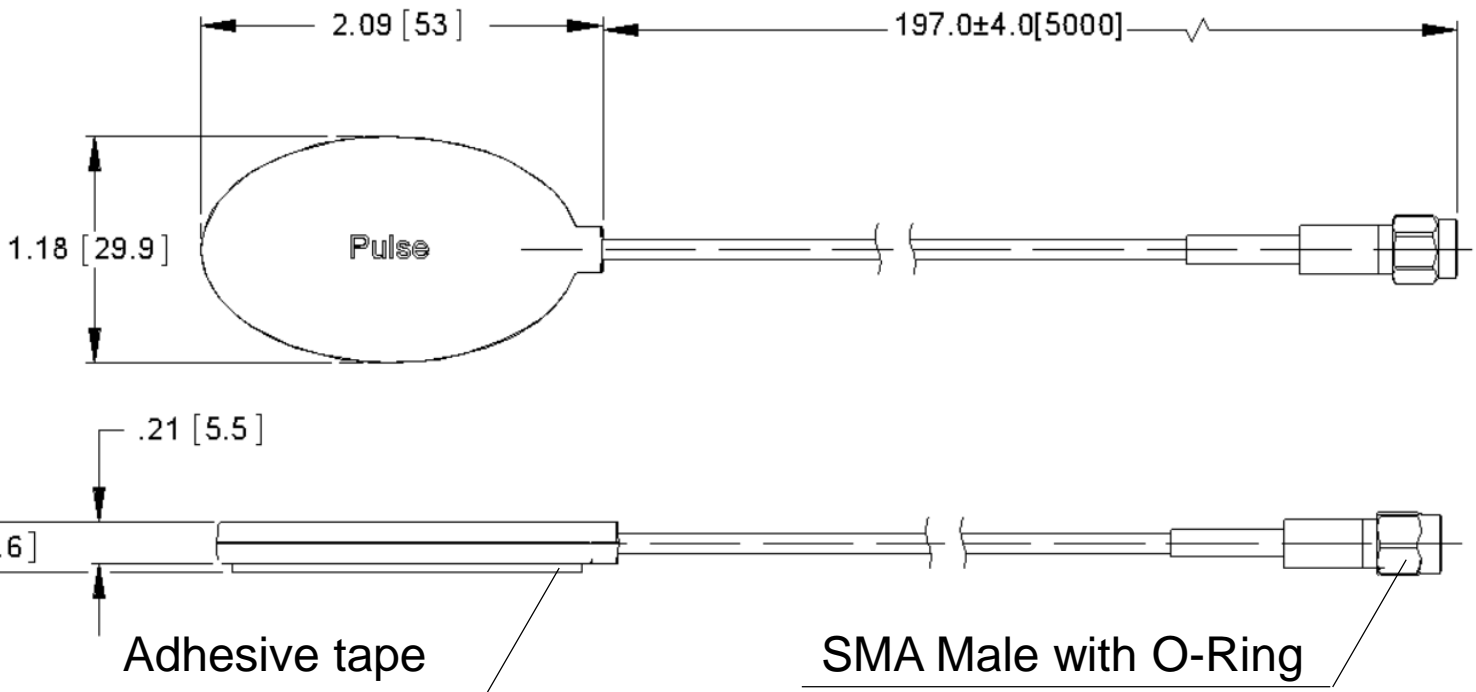
Tape is provided with antenna as separate piece.

Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA

MECHANICAL DRAWING



Issue: 1914

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.

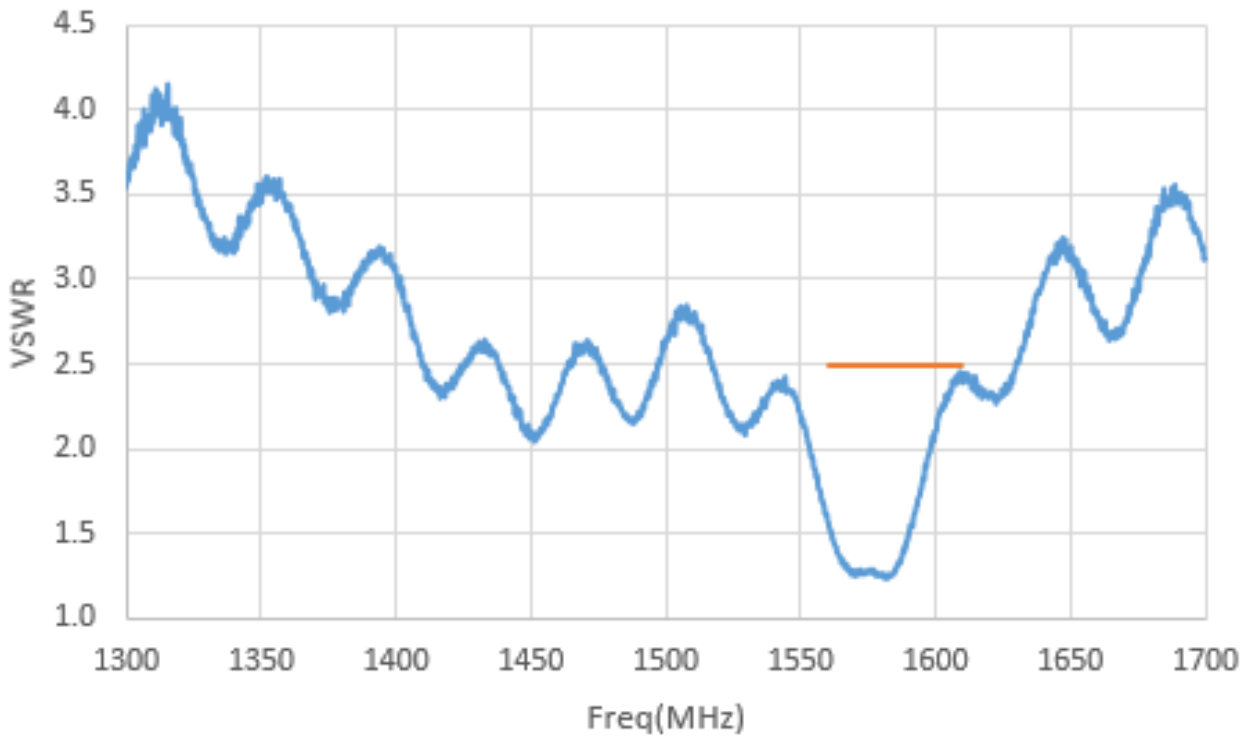
Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA

CHARTS

VSWR vs Frequency



Issue: 1914

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.

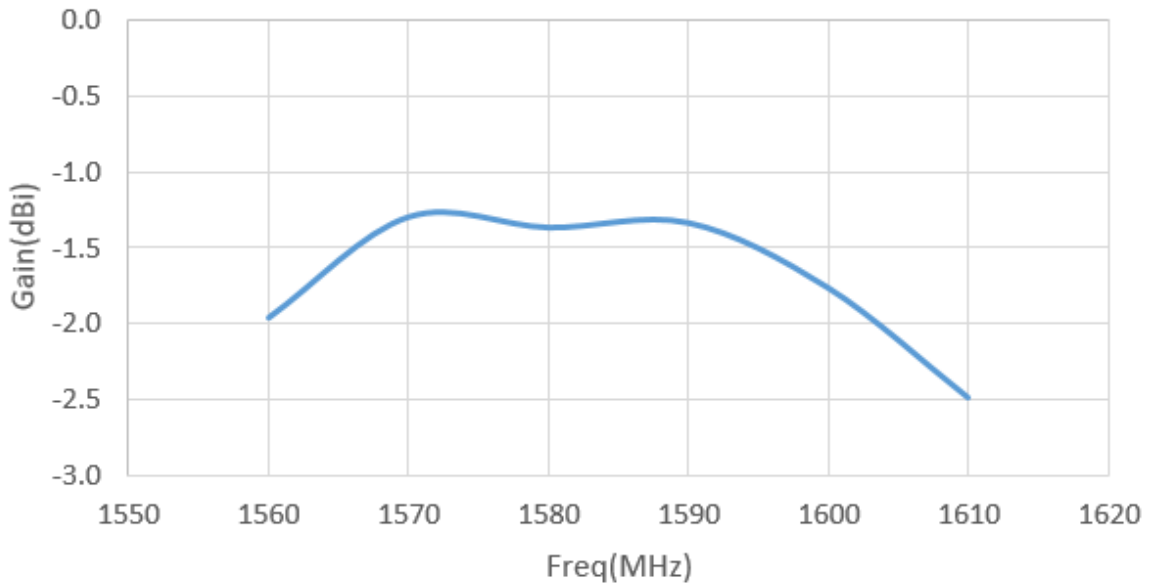
Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

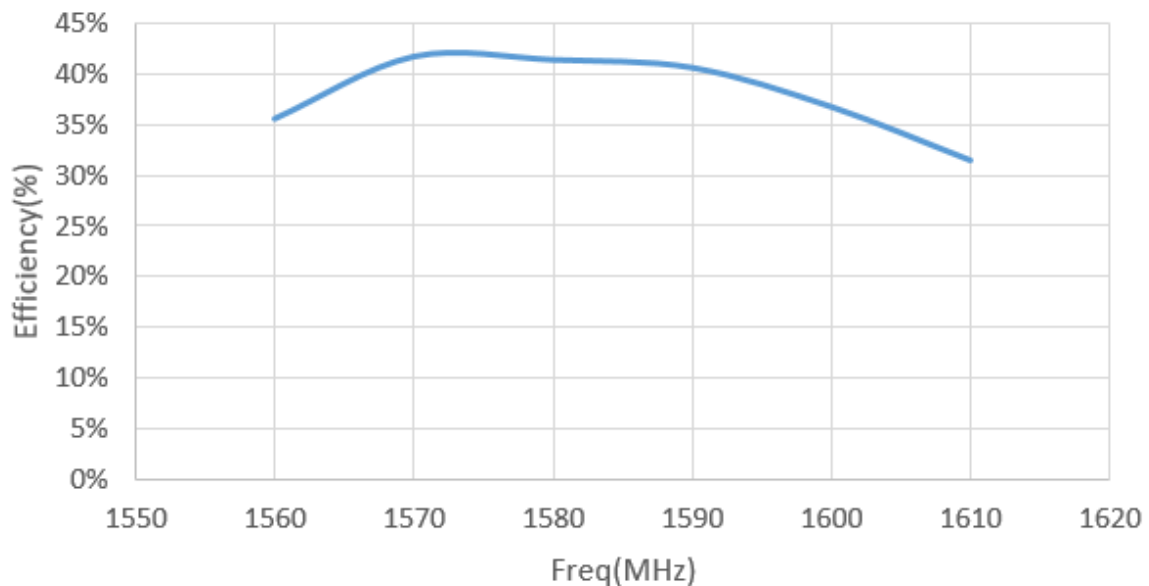
PART NUMBER: GNSSCGMSMA

CHARTS

Antenna element Peak Gain (Without LNA)



Antenna element Radiation Efficiency (Without LNA)



Issue: 1914

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.

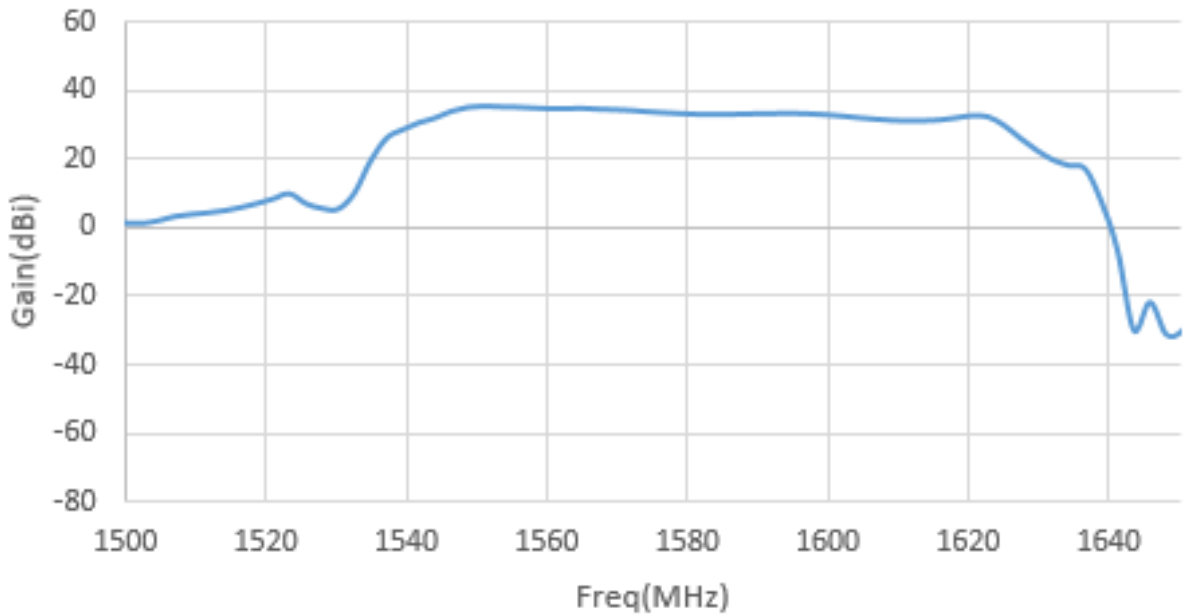
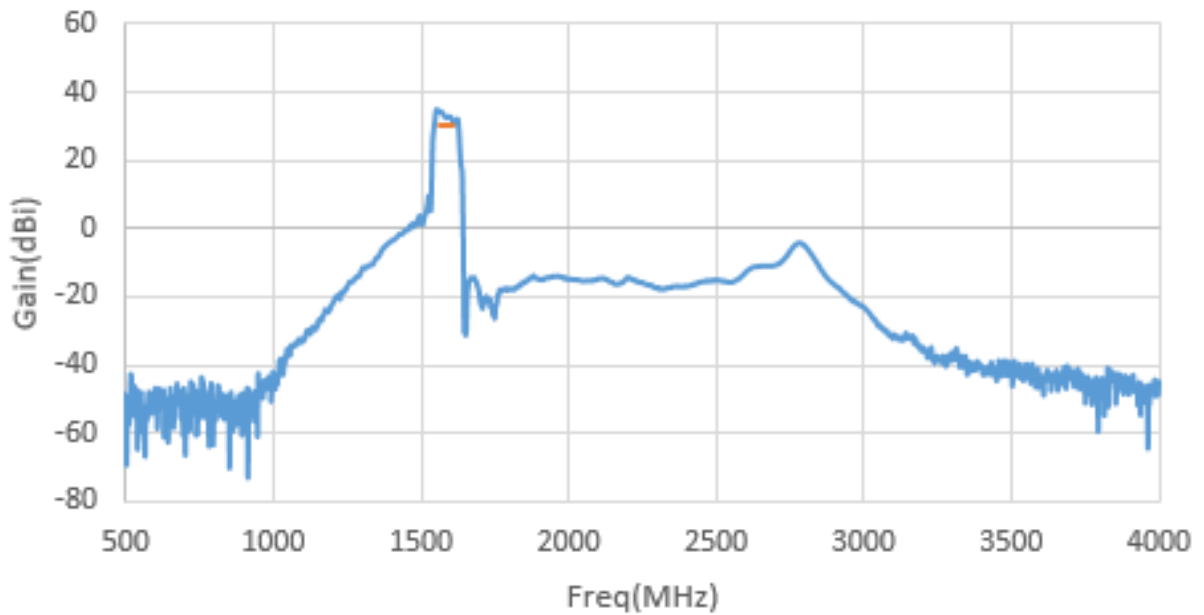
Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA

CHARTS

LNA Gain and out-of-band rejection



Issue: 1914

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.

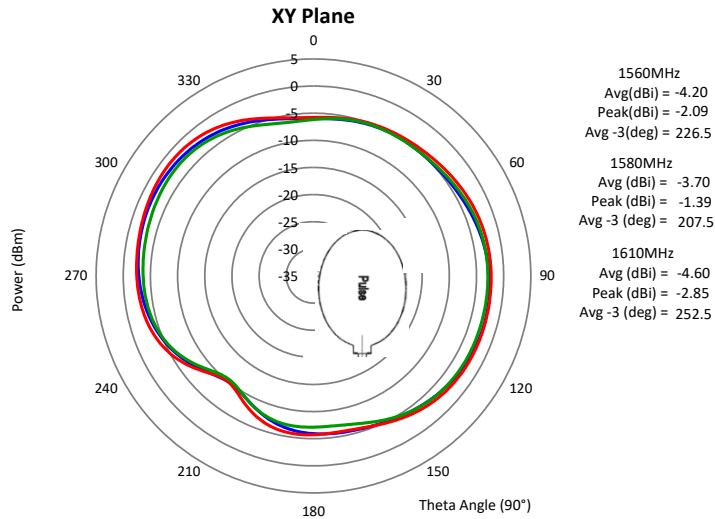
Description: 26dBi GNSS Antenna Adhesive mount, SMA

Series: GNSS Active Antenna

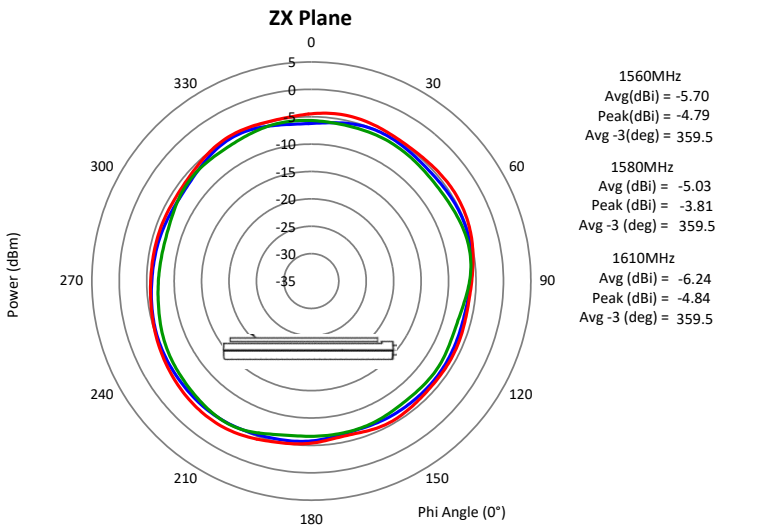
PART NUMBER: GNSSCGMSMA

CHARTS

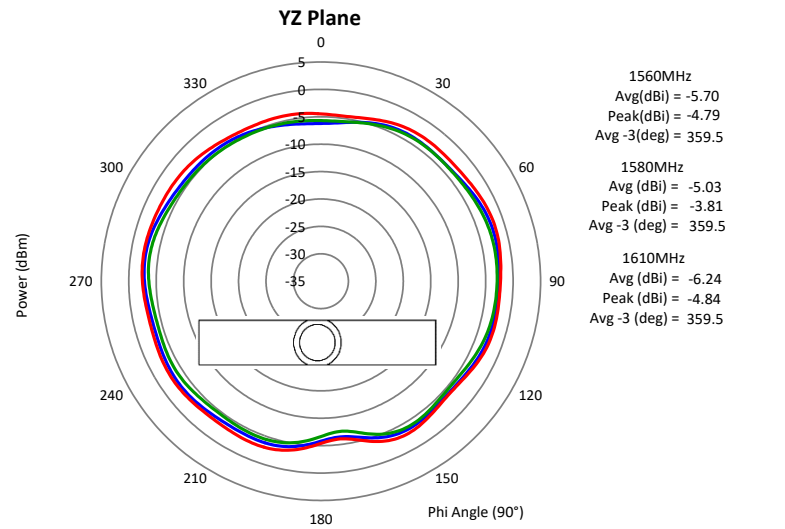
Radiation Pattern 2D, Antenna element without LNA



— 1560MHz — 1580MHz — 1610MHz



— 1560MHz — 1580MHz — 1610MHz



— 1560MHz — 1580MHz — 1610MHz

Issue: 1914

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: 26dBi GNSS Antenna Adhesive
mount, SMA

Series: GNSS Active Antenna

PART NUMBER: GNSSCGMSMA

PACKAGING

1pcs/ PE bag
50pcs/ Box

Issue: 1914

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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [PulseLarsen](#) manufacturer:

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [SPDA17RP918](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [C37](#) [MAF94051](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#) [MIKROE-2352](#) [MIKROE-2350](#)