

External Antenna

GPS Antenna

W4218– GPS, GLONASS, Beidou



Features & Applications:

- Cable and connector can be customized
- SMA Male connector



ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications		
Antenna type	Nominal Impedance	Polarization
Patch	50Ω	RHCP
Frequency (MHz)	1561~1602MHz	
VSWR	<2.5	
LNA Gain	28+/-1.5dB	
Noise Figure	<1.8	
Axial Ratio (dB)	<3	
Operating Current	8.5+/-1.5mA	
Operating Voltage	3~5V	

MECHANICAL SPECIFICATIONS

W4218

Dimension (Length x Width x Height)	Material	Color	Cable type	Connector Type	Cable length
44.5 x 36.0 x 15.3mm (1.75 x 1.42 x 0.60")	Plastic	Black	RG174 cable	SMA Male	5 Meters/16.4FT

ENVIRONMENTAL SPECIFICATIONS

W4218

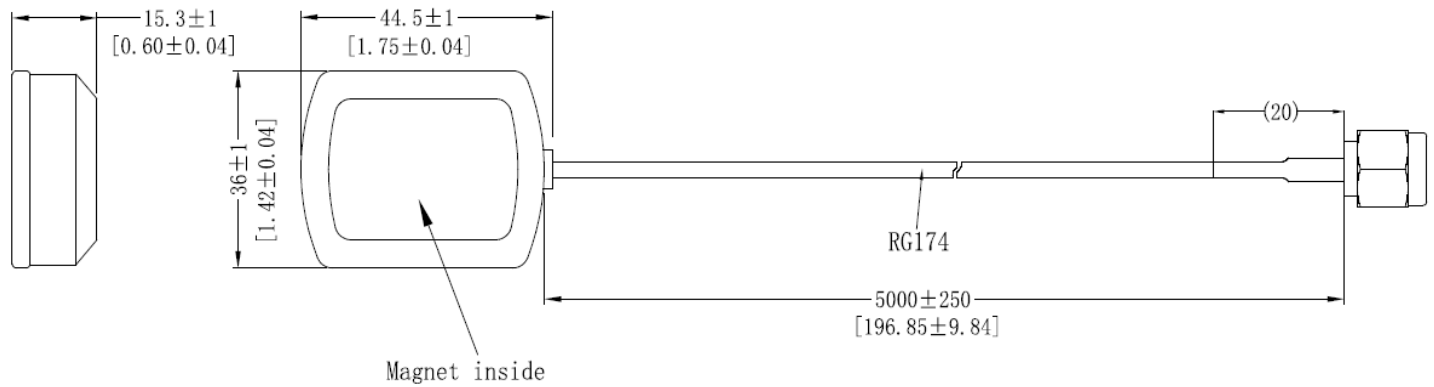
Storage Temperature	Operating Temperature	Ingress Protection	RoHS Compliant
-40/+85° C	-40/+85° C	IP67	Yes

External Antenna GPS Antenna

W4218– GPS, GLONASS, Beidou

Mechanical Drawing

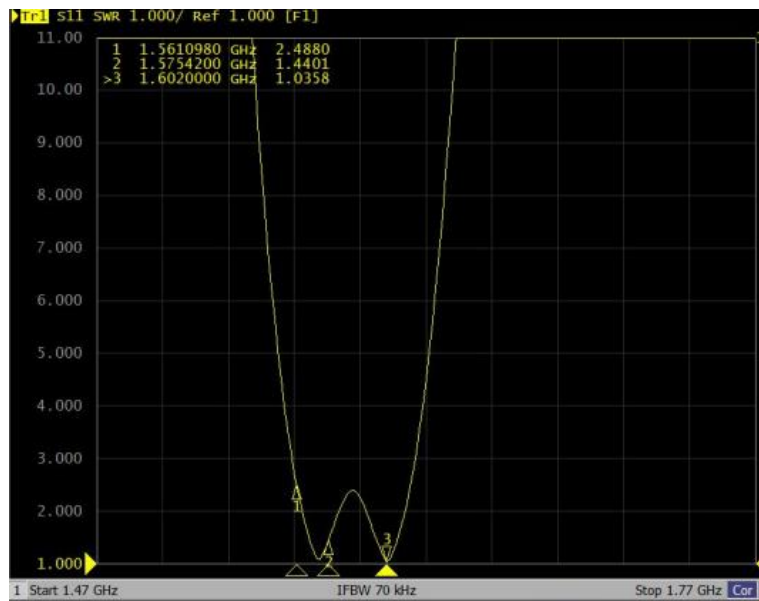
W4218



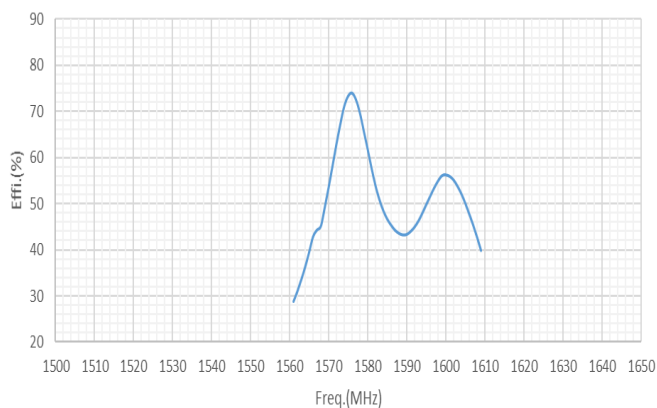
Dimensions: mm (Inches)

Charts –VSWR/Efficiency/Gian

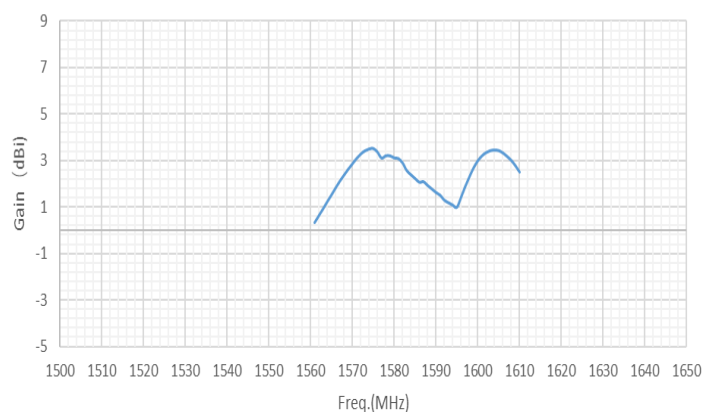
Test data



Efficiency vs Frequency
Measured at PSU 20240524



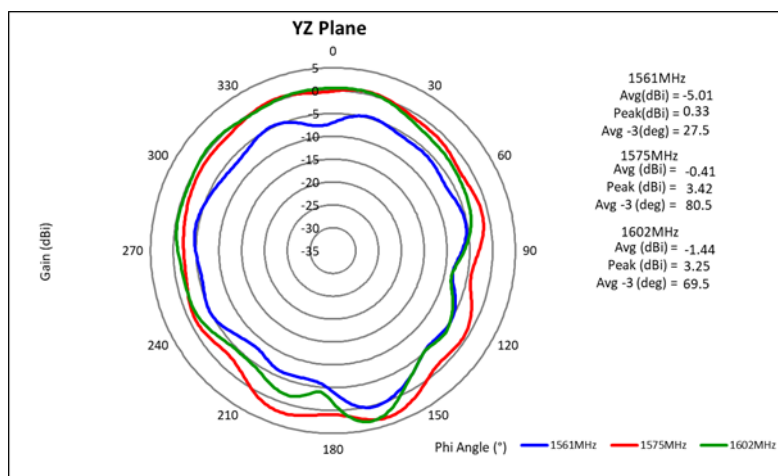
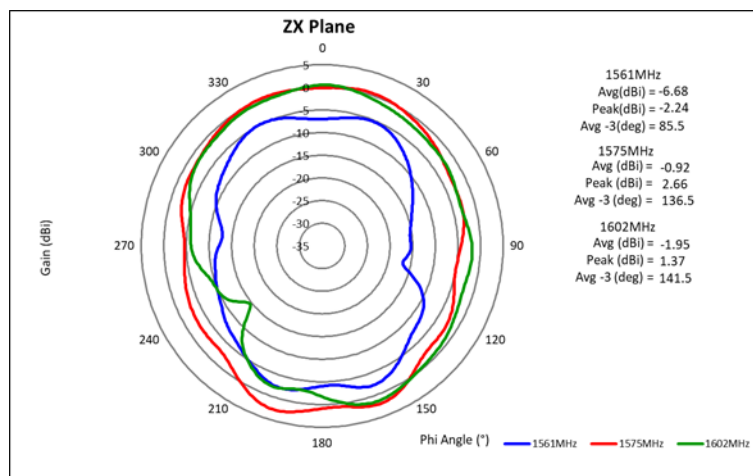
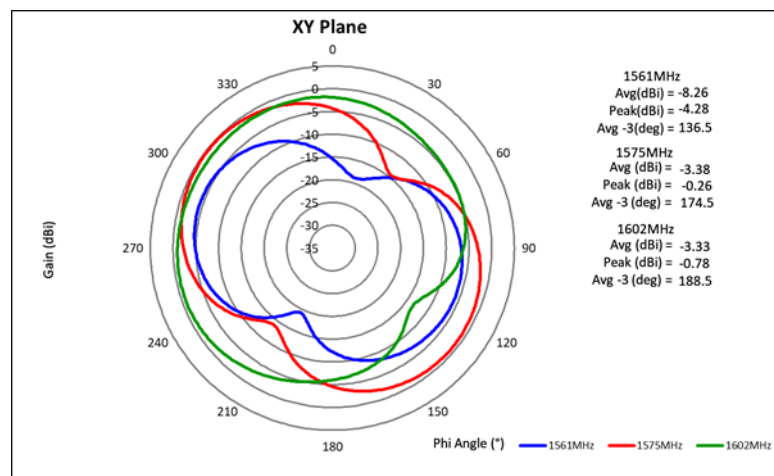
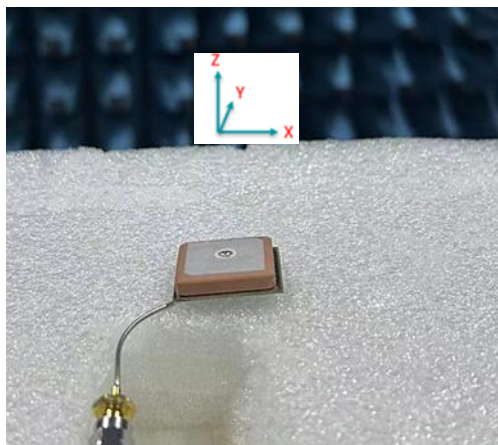
Peak Gain vs Frequency
Measured at PSU 20240524



***ANT VSWR/Efficiency/Gain is for radiating element only, not include the LNA circuit

Charts –Radiation pattern

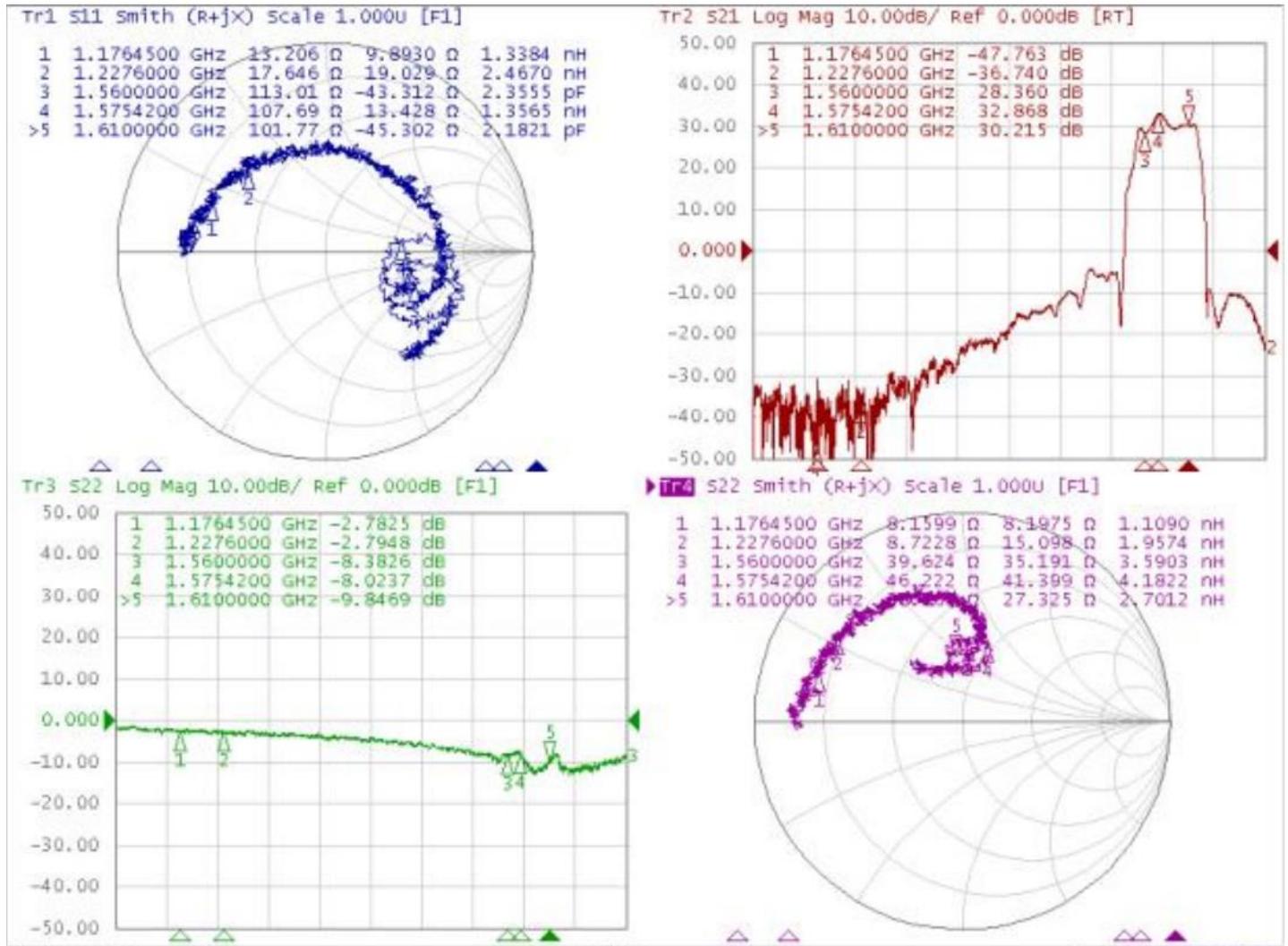
Test data



***ANT radiation pattern is for radiating element only, not include the LNA circuit

Charts – LNA Chart

Test data



External Antenna GPS Antenna

W4218– GPS, GLONASS, Beidou



PACKAGING

W4218

1. 1 PCS product /PE bag
2. 1000PCS products /Carton Box (TBD)

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe – antennas.eu@pulseelectronics.com | Asia – antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.
Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128.

'YAGEO Corporation and its affiliates do not recommend the use of commercial, automotive, and/or COTS grade products for high reliability applications or manned space flight.'

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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

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

Other Similar products are found below :

[930-033-R](#) [EXE902SM](#) [108-00014-50](#) [66089-2406](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W1049B090](#) [TRABT1560](#)
[WTL2449CQ1-FRSMM](#) [CPL9C](#) [CB27S](#) [0600-00060](#) [Y4503](#) [PAL90209H-FNF](#) [GD53-25](#) [MAF94051](#) [S9025PLSMF](#) [QWFTB120](#)
[MAF94300](#) [FG4403](#) [BB1442NR](#) [GPSCPMM00](#) [ANTDOM-05-01-WPM](#) [ANT-WP868SMA-Y](#) [EXW30BNX](#) [S4908WBFNM](#) [B4305CN](#)
[C27](#) [C27S](#) [CBNC58](#) [EXH160MXI](#) [EXH160SFK](#) [EXC902SM](#) [CB27](#) [ABFT](#) [BB4502NR](#) [B4502N](#) [S4908WBFNF](#) [NMOQ88C](#) [NMOQB](#)
[NMOQC](#) [ANT-GSMGPSPUKS](#) [60210](#) [60140](#) [ANT-8WPIG-UFL](#) [ANT-GPSPUKS](#) [A21H0](#) [29000863](#) [29000848](#)