

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

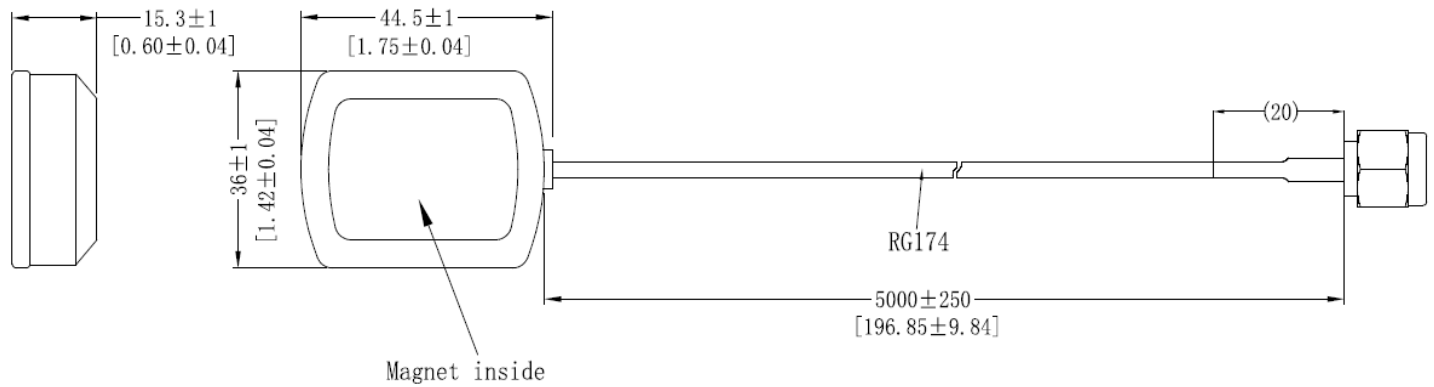
Storage Temperature	Operating Temperature	Ingress Protection	RoHS Compliant
-40/+85° C	-40/+85° C	IP67	Yes

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Mechanical Drawing

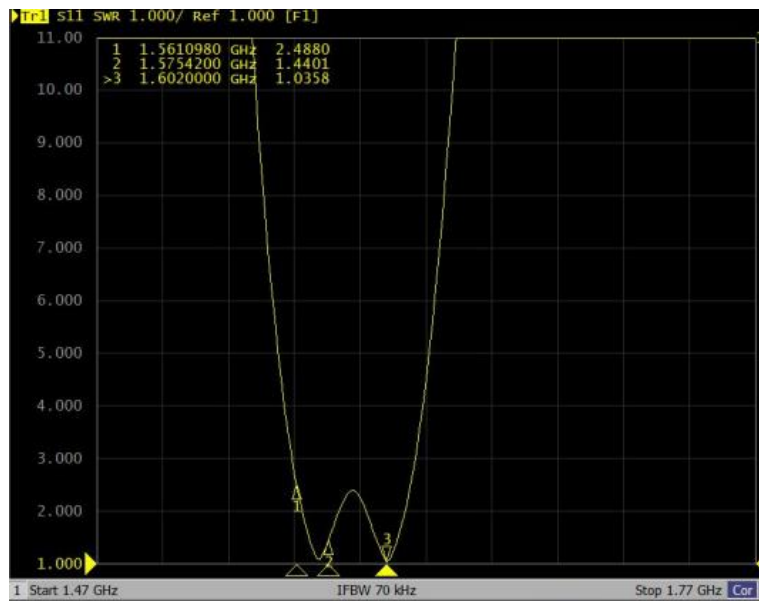
W4218



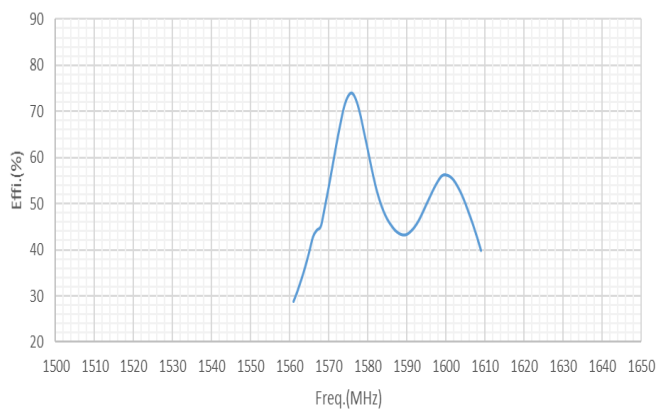
Dimensions: mm (Inches)

Charts –VSWR/Efficiency/Gian

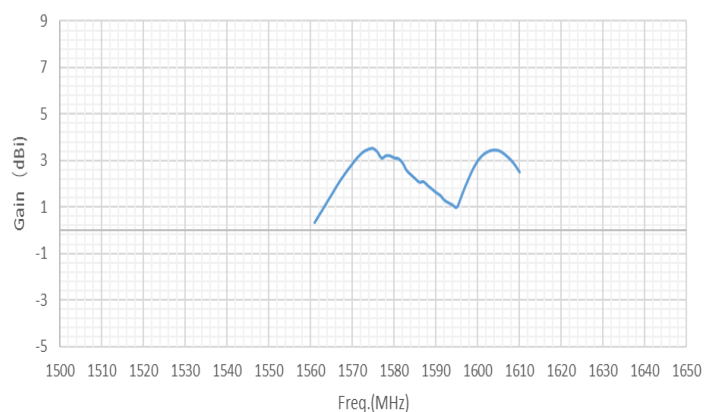
Test data



Efficiency vs Frequency
Measured at PSU 20240524



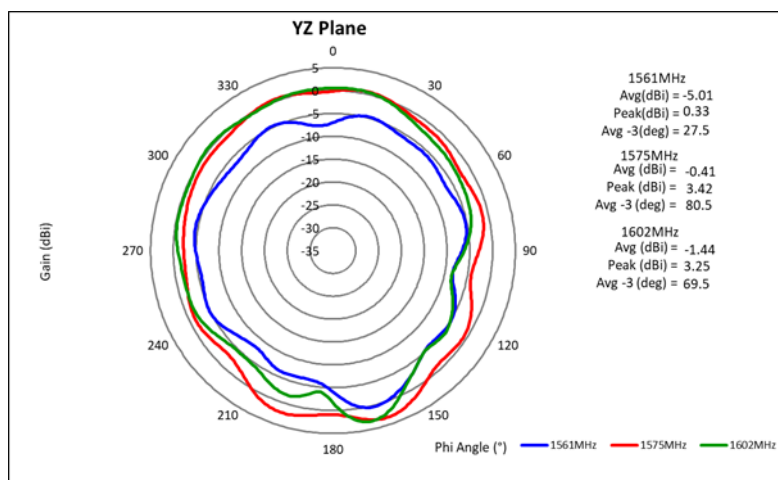
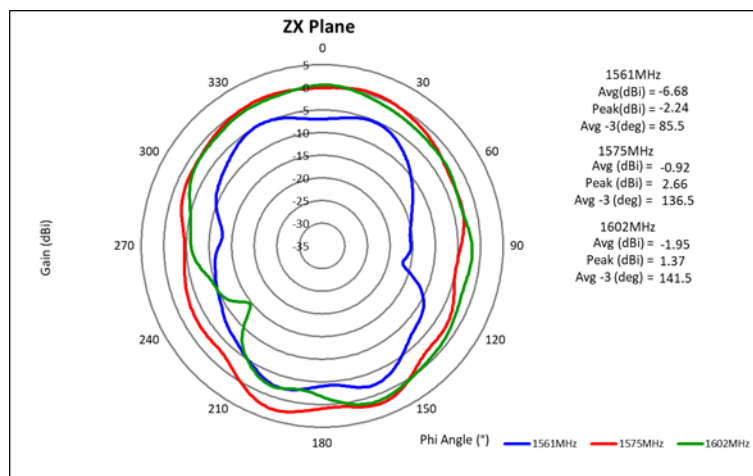
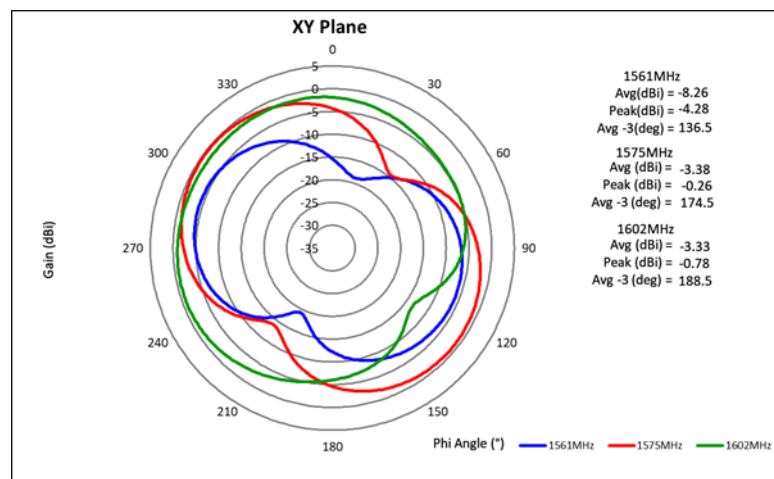
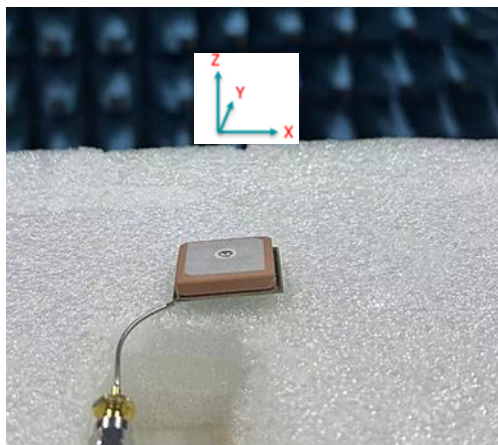
Peak Gain vs Frequency
Measured at PSU 20240524



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

Charts –Radiation pattern

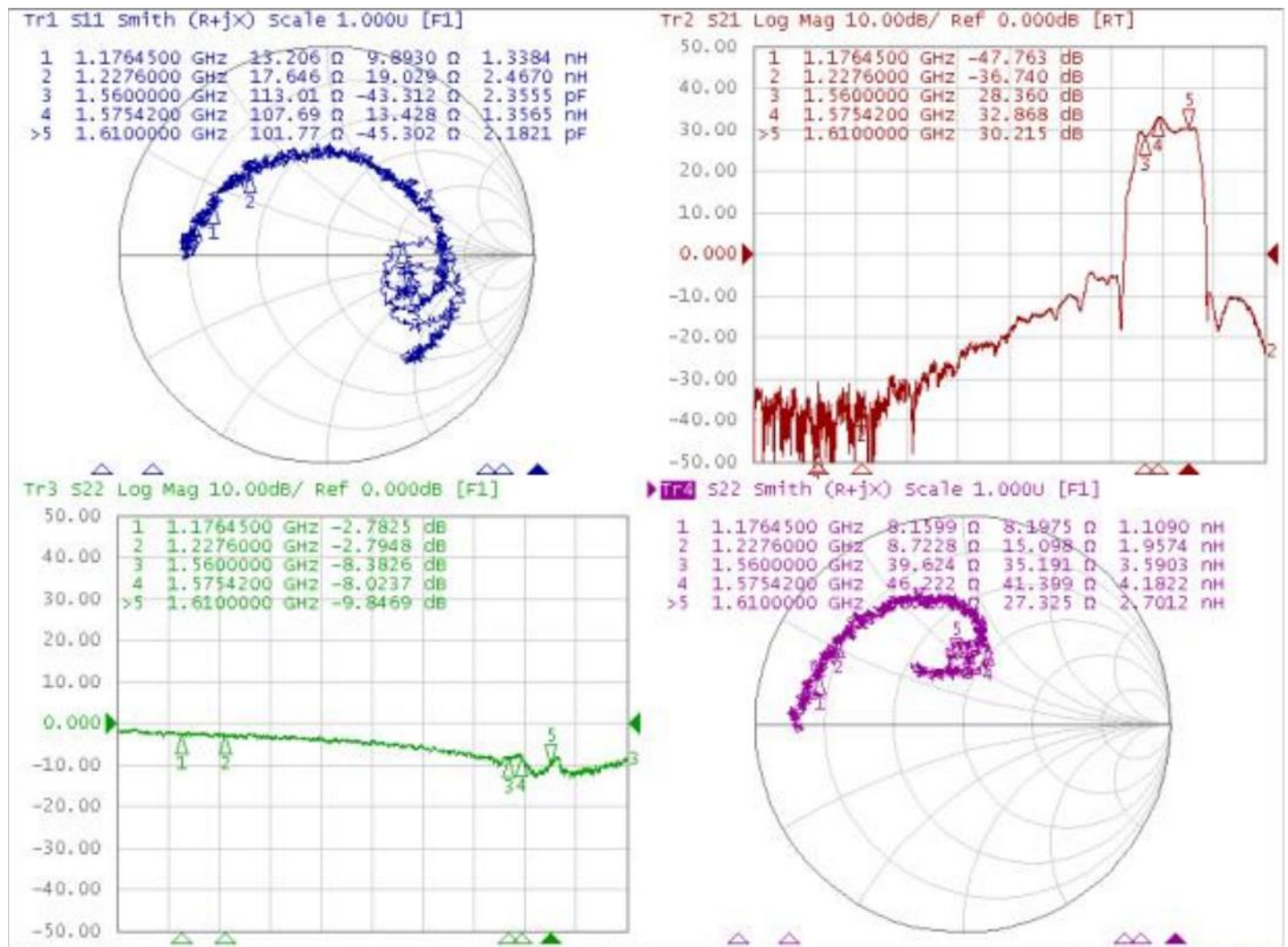
Test data



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

Charts – LNA Chart

Test data



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PACKAGING

W4218

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

For More Information:

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