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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	

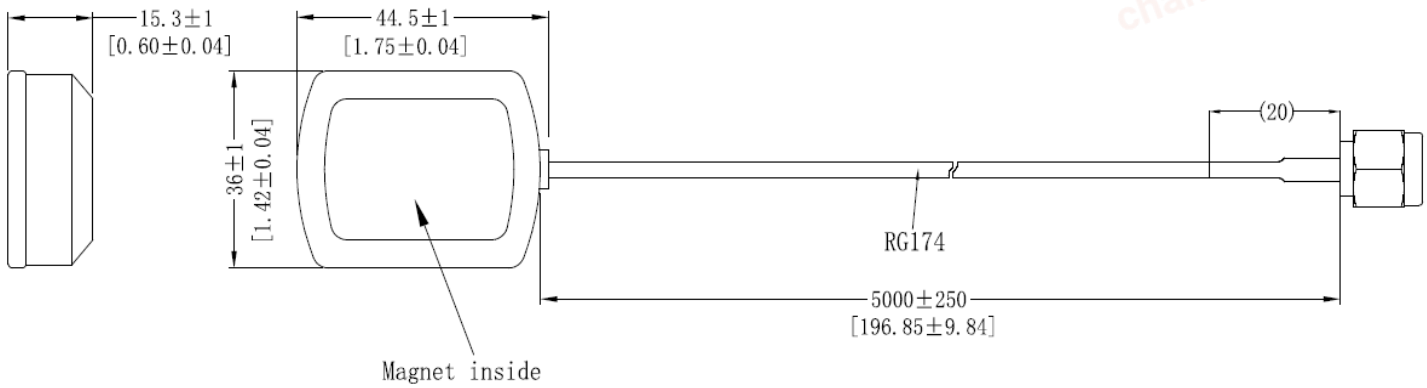
MECHANICAL SPECIFICATIONS					
W4218					
Dimension (Length x Width x Height)	**Material**	**Color**	**Cable type**	**Connector Type**	**Cable length**
44. 5 x 36.0 x 15.3mm (1.75 x 1.42 x 0.60”)	Plastic	Black	RG174 cable	SMA Male	5 Meters/16.4FT

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)

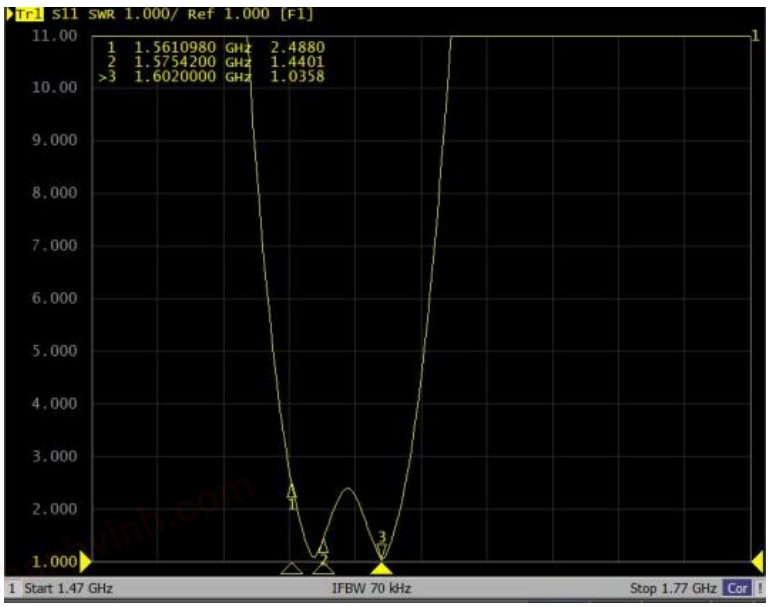
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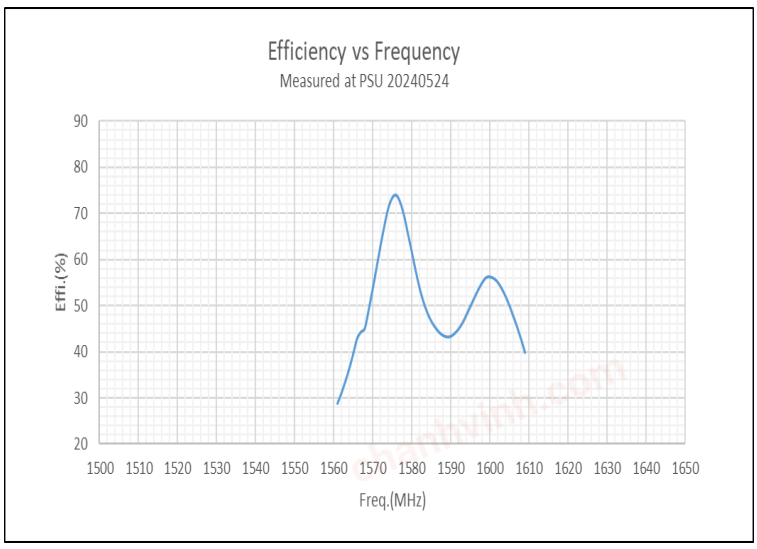
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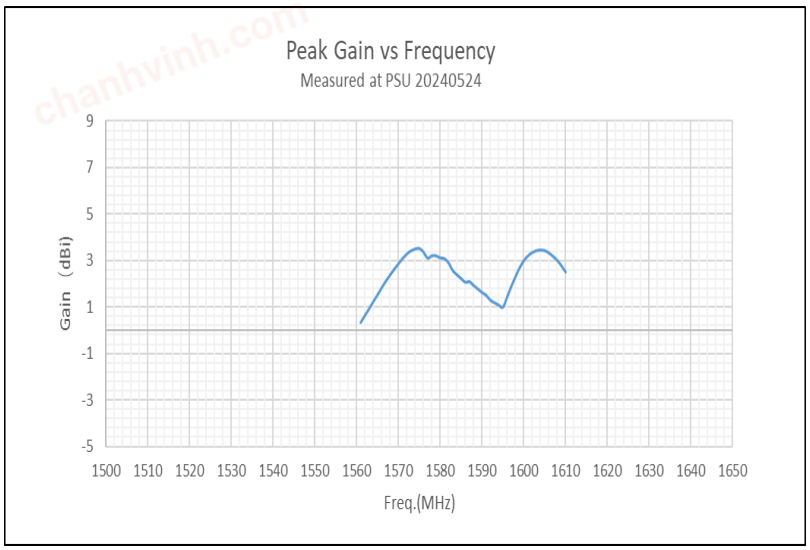
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Charts –VSWR/Efficiency/Gian

Test data







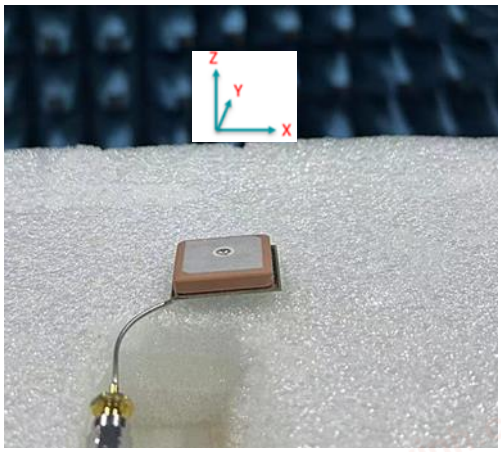
***ANT VSWR/Efficiency/Gain is for radiating element only, not include the LNA circuit

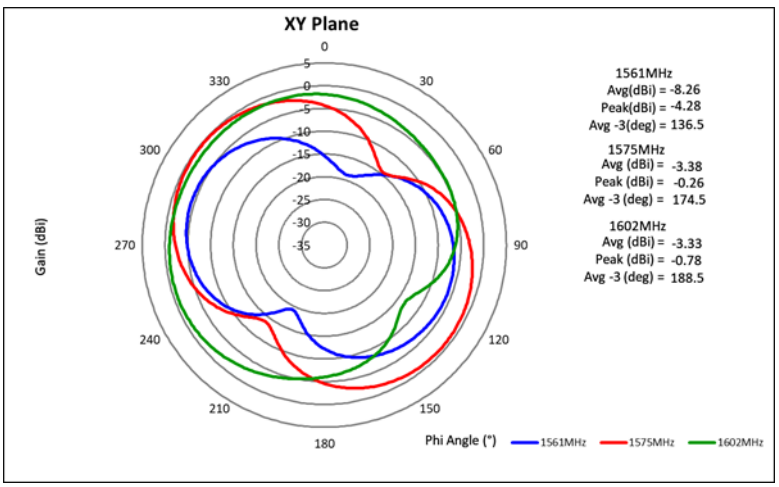
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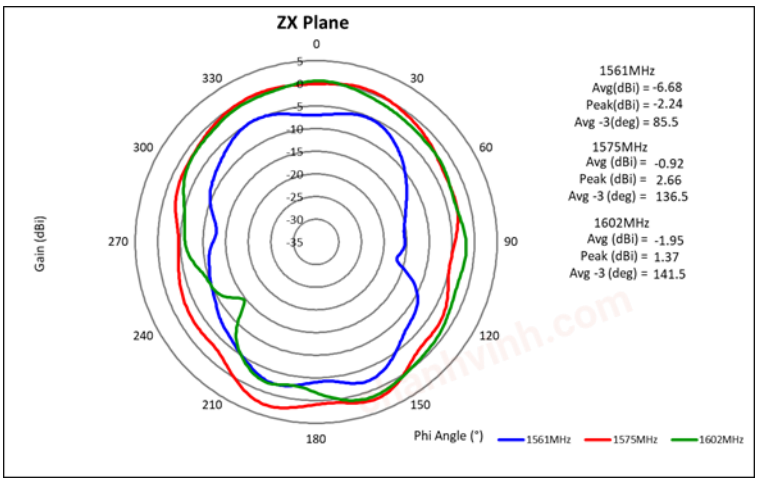
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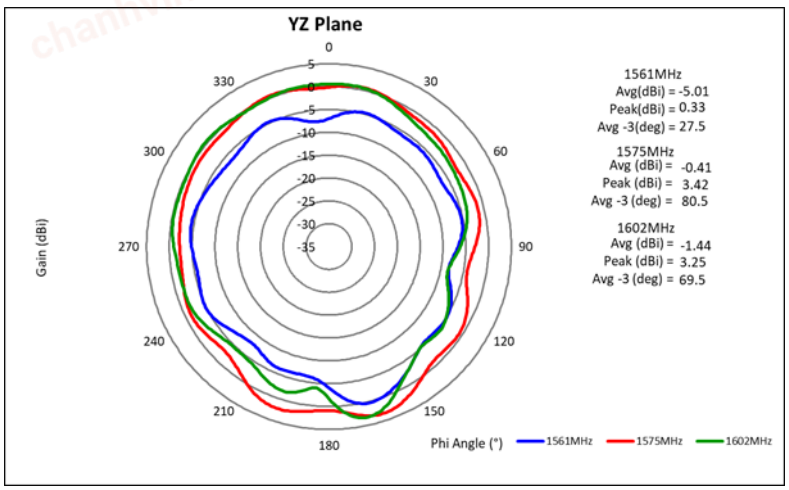
Charts –Radiation pattern

Test data







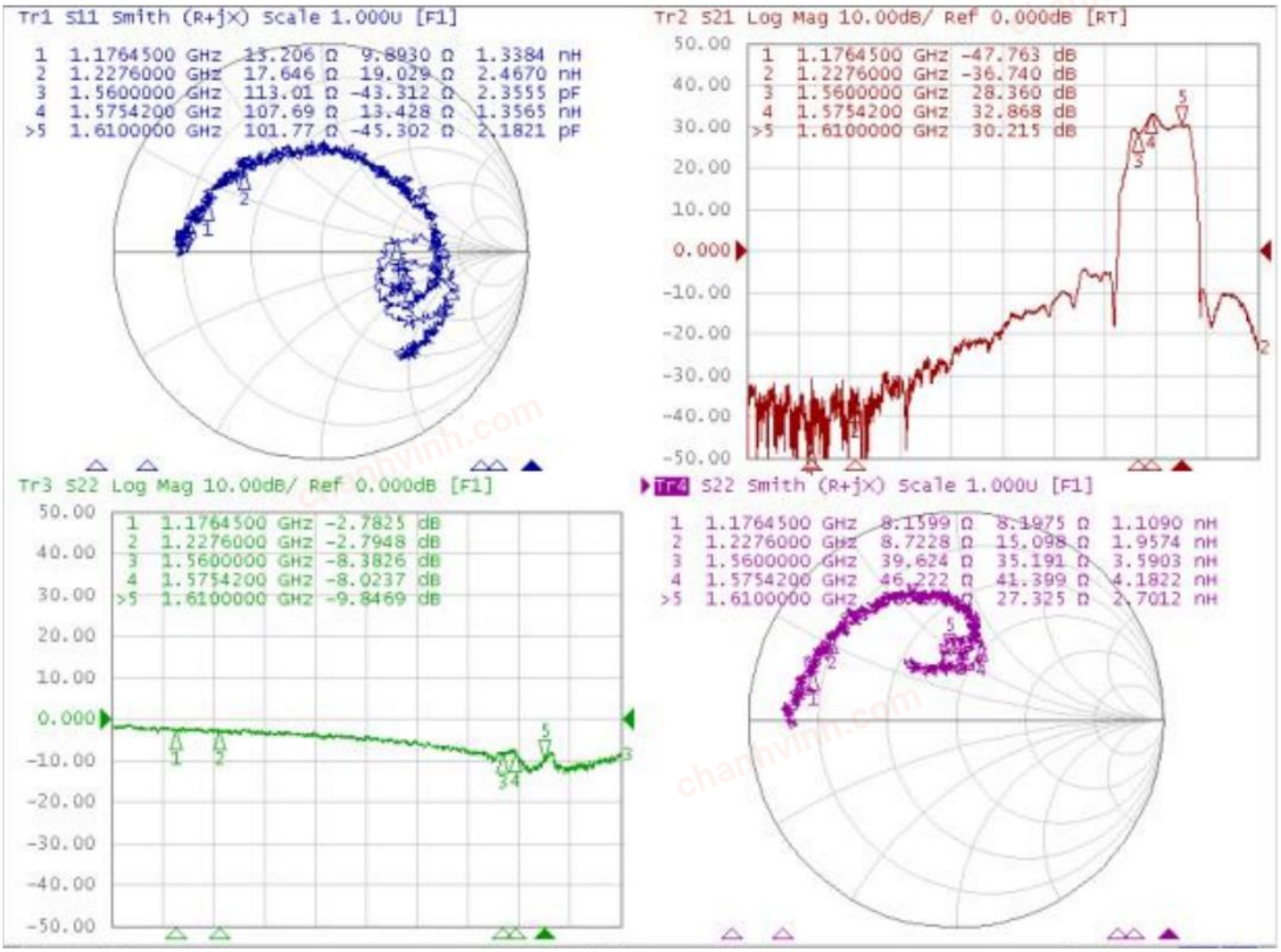


***ANT radiation pattern is for radiating element only, not include the LNA circuit

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Charts – LNA Chart

Test data



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PACKAGING

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

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