chanhvinh.com

External / In-building
WiFi-6E Stick Antenna
W5029, W5029RASM, W5029RPG, W5029RPGT

Pulse a YAGEO company

ROHS COMPLIANT



W5029 W5029RASM W5029RPG W5029RPGT

- *WiFi-6E, Zigbee, BLE/BT, DSRC V2x Communication*
- *Rugged Outdoor Systems*
- *Marine, Mining, Utility, Oil/Gas Environments*
- *Industrial Applications*
- *Metering, Security, IoT Applications*
- *Outdoor Networking, Data Transmission, Access Points*

Electrical Specifications @ 25C - Operating Temperature -35C to 65C, Storage Temperature -30C to 75C

Frequency Bands: 2.4-2.5GHz, 5.15-7.125GHz

Antenna Type	Nominal Impedance	Radiation Pattern	Polarization	Power Withstanding
Stick Antenna	50Ω	Omni	Vertical	1W

Frequency	2.4-2.5GHz	5.15-7.125GHz
Return Loss	<-10dB	<-4dB
Peak Gain	1.8dBi +/- 0.4dB	2.55dBi +/- 2dB

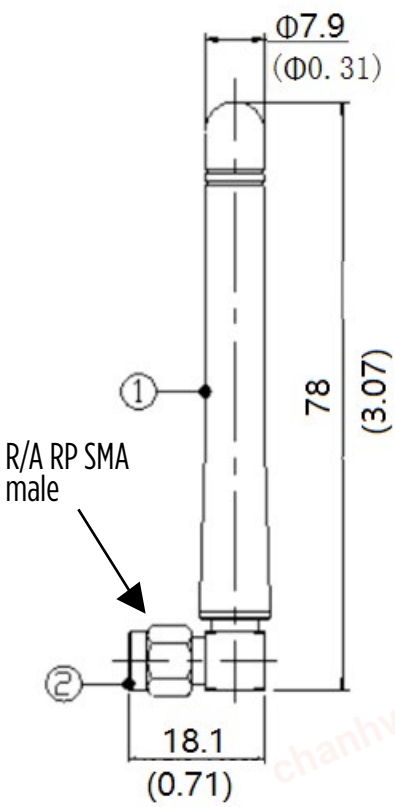
Frequency GPS Antenna: 1561.098 +/- 2.046MHz, 1575.42 +/- 1.023MHz, 1602.5625 +/- 4MHz

Part Number	Length	Color	Weight	Connector Type	Plastic Radome	Flammability	Ingress Protection
W5029	78mm	Black	11.36grms	Right Angle RP SMA Male (Au Plating)	TPEE	UL94-V0	IP65
W5029RASM	78mm		11.36grms	Right Angle SMA male (Au Plating)			
W5029RPG	76mm		7.82grms	Straight RP SMA Male (Au Plating)			
W5029RPGT	76mm		7.82grms	Straight RP SMA Male (Ni Plating)			

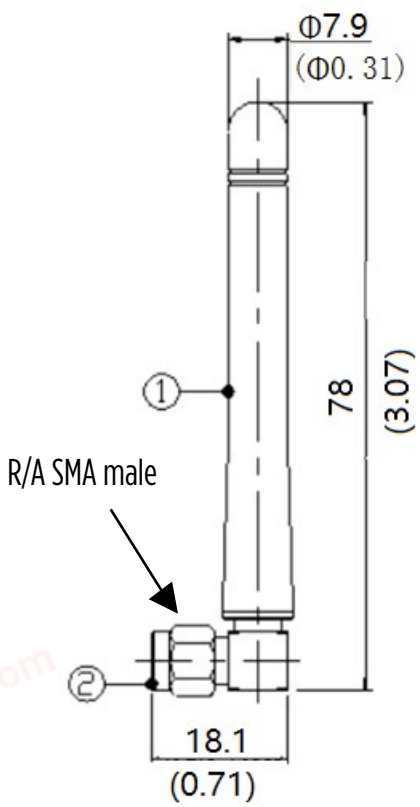
chanhvinh.com

Mechanical

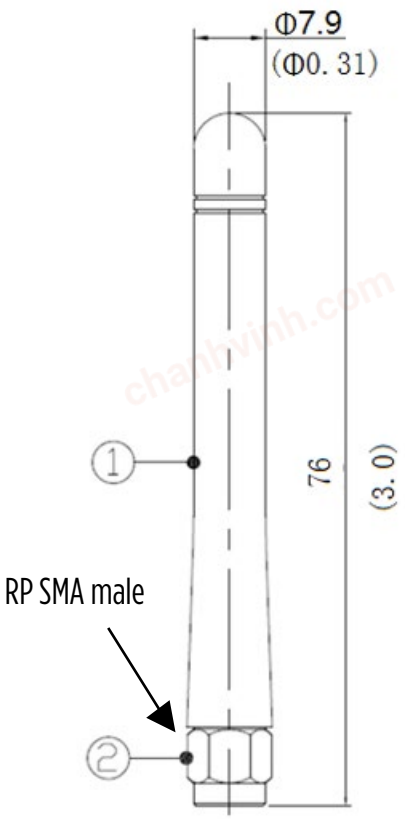
W5029x



W5029



W5029RASM



W5029RPG/W5029RPGT

1. Dimension show as mm (inch)
2. Item 1 is tube, and item 2 is connector

Packaging

W5029x

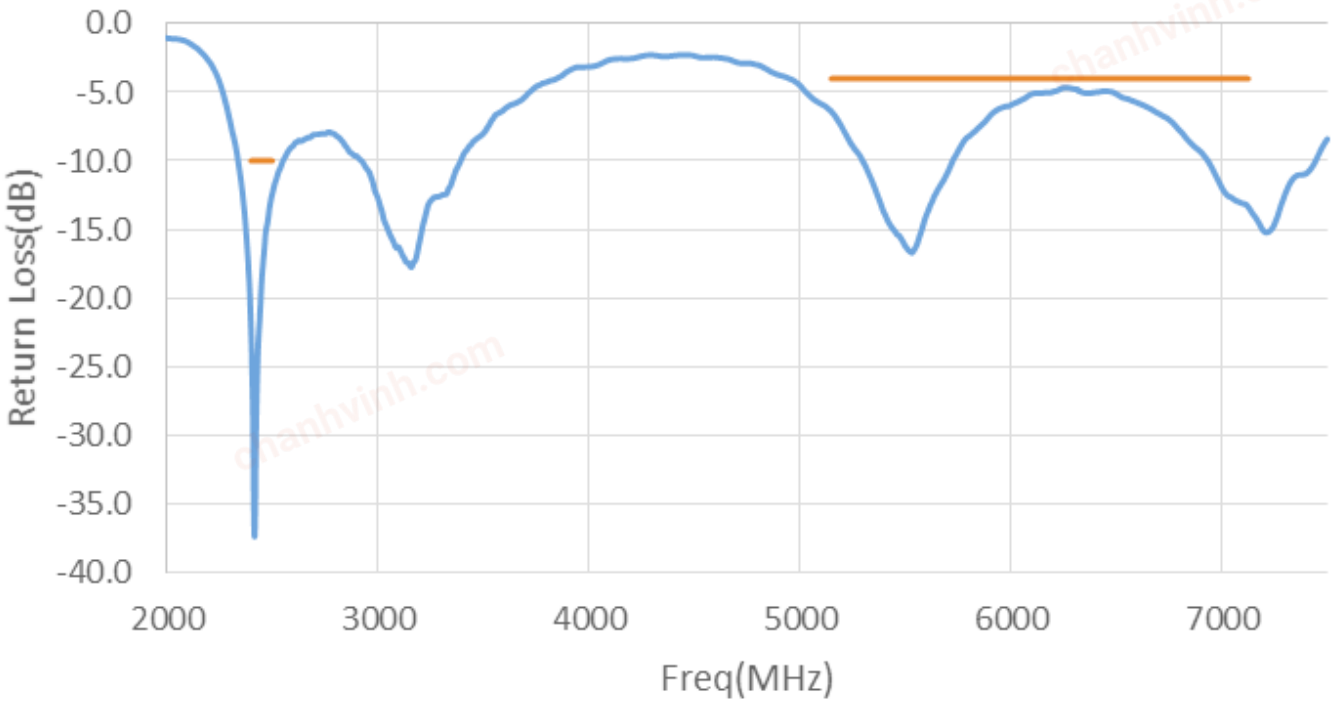
20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box

chanhvinh.com

Charts

W5029x

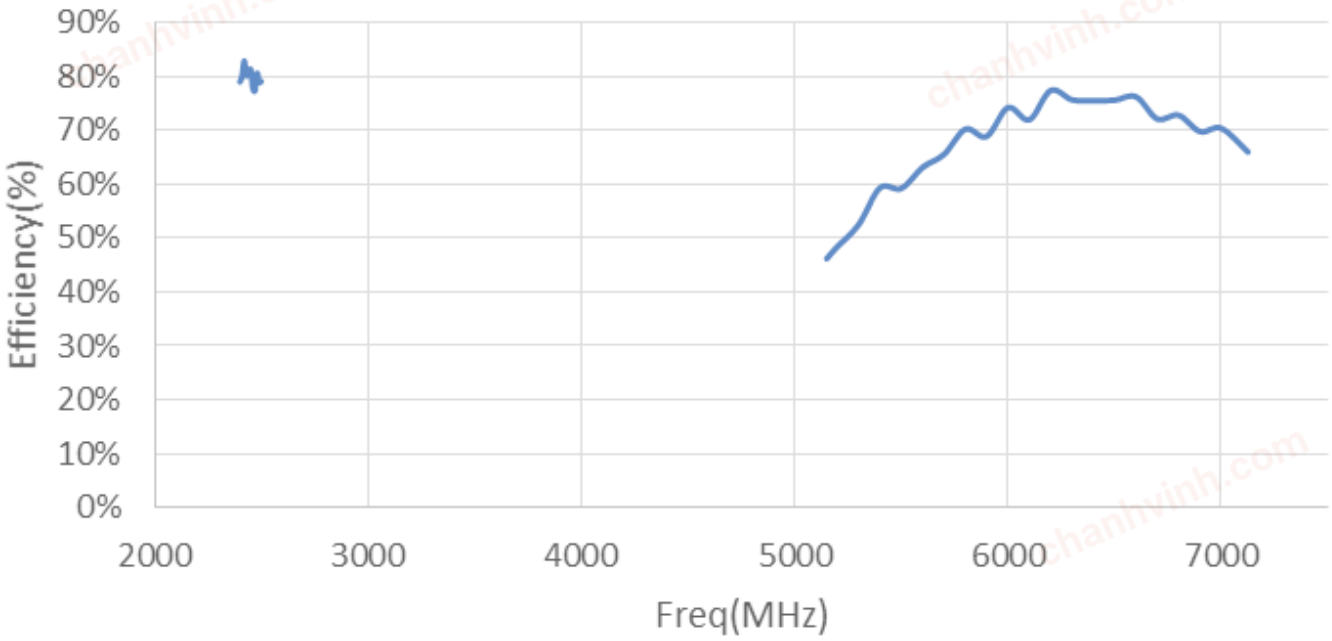
Return Loss



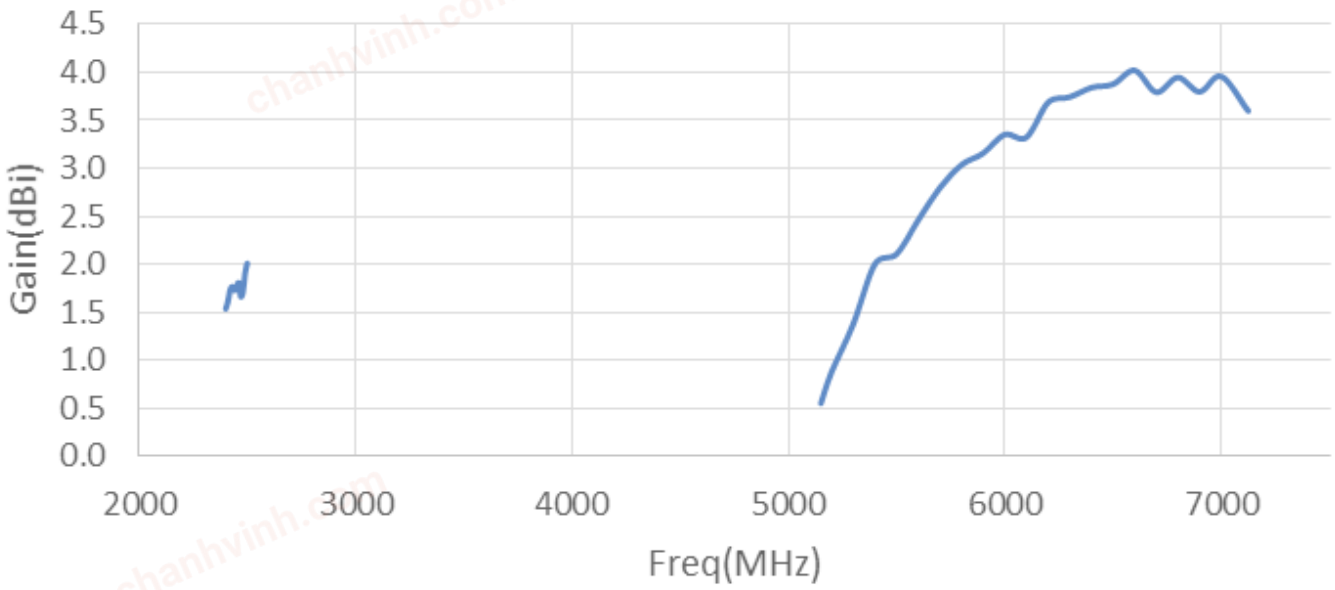
(*) All RF parameters measure with free space

chanhvinh.com

Efficiency(%)



Peak Gain (dBi)

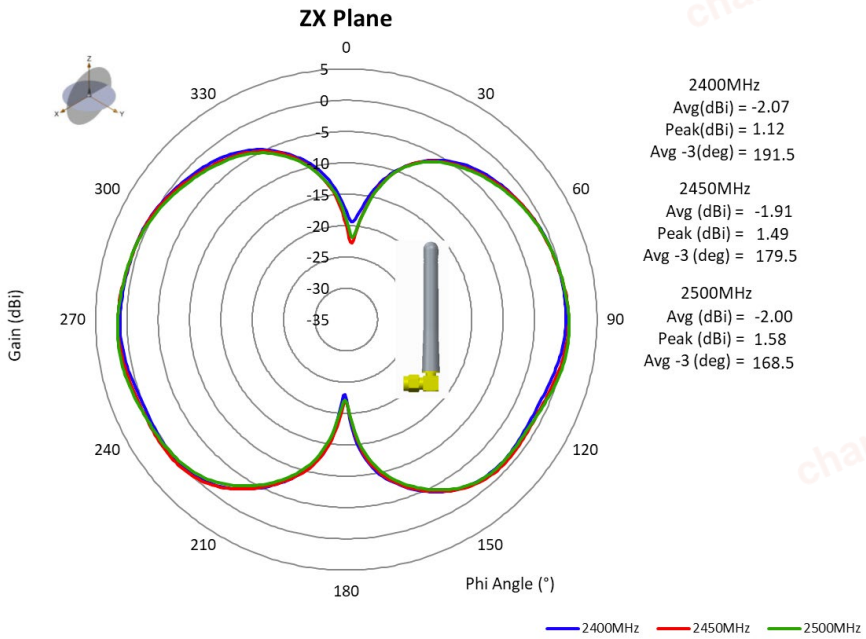


(*) All RF parameters measure with free space

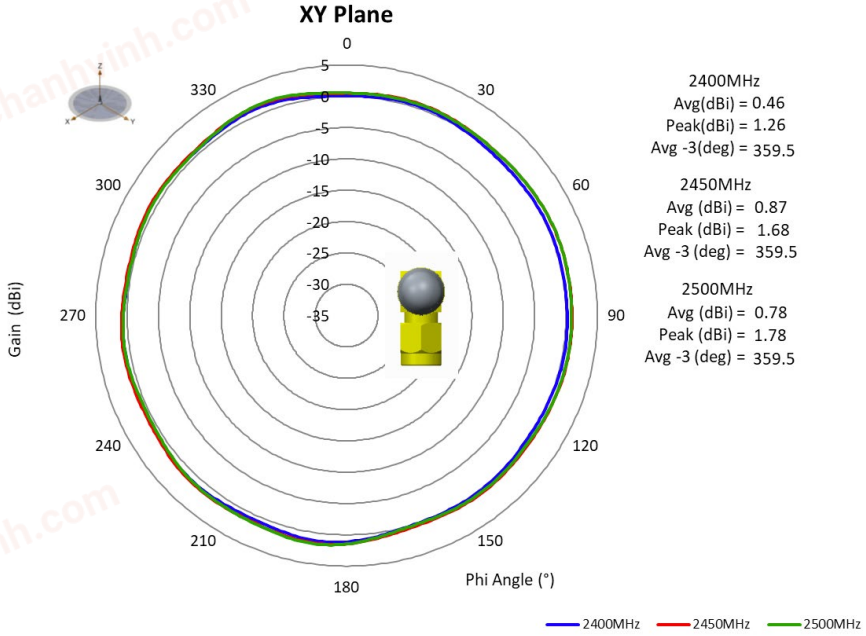
chanhvinh.com

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



(*) All RF parameters measure with free space

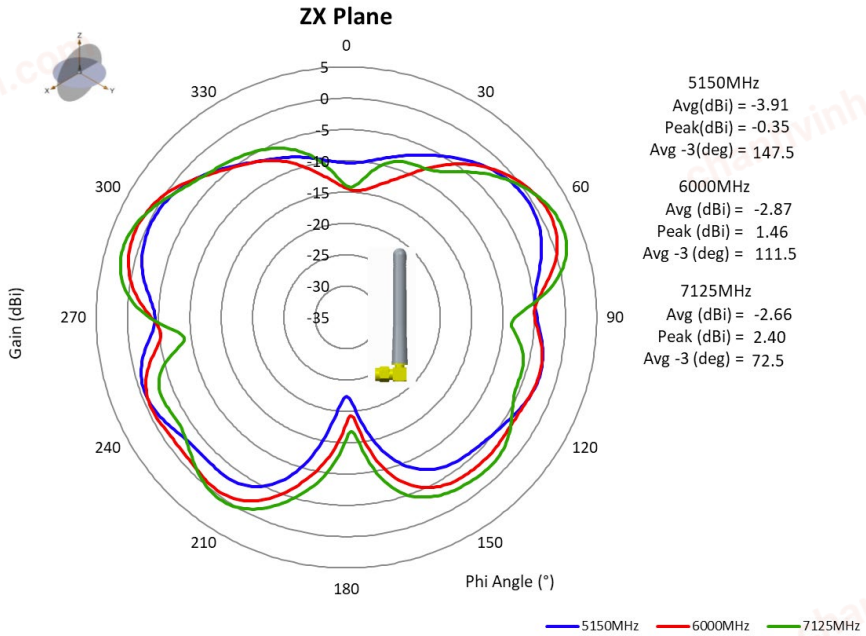
chanhvinh.com

External / In-building

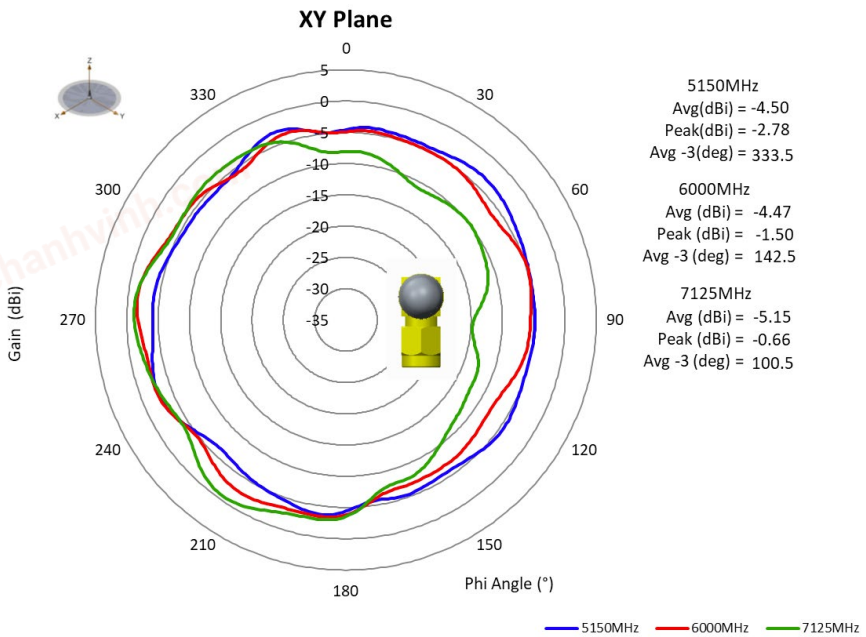
WiFi-6E Stick Antenna

W5029, W5029RASM, W5029RPG, W5029RPGT

Elevation Plane



Horizontal Plane



(*) All RF parameters measure with free space

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.