

# External / In-building WiFi-6E Stick Antenna

W5029, W5029RASM, W5029RPG, W5029RPGT



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

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

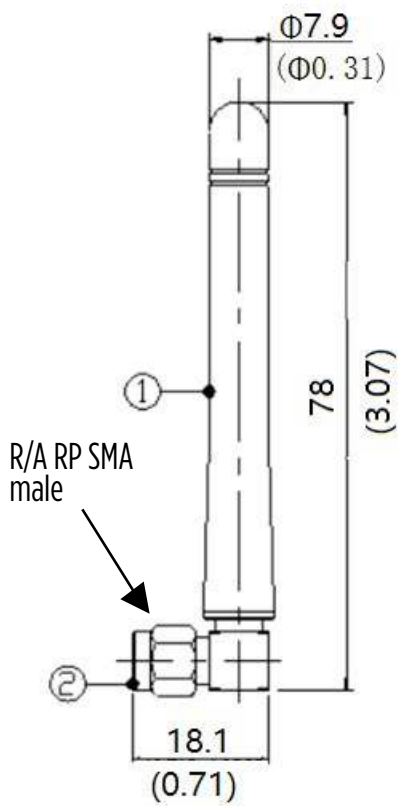
Part Number	Length	Color	Weight	Connector Type	Plastic Radome	Flammability	Ingress Protection
W5029	78mm	Black	11.36grms	Right Angle RP SMA Male (Au Plating)	TPEE	UL94-V0	IP65
W5029RASM	78mm		11.36grms	Right Angle SMA male (Au Plating)			
W5029RPG	76mm		7.82grms	Straight RP SMA Male (Au Plating)			
W5029RPGT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

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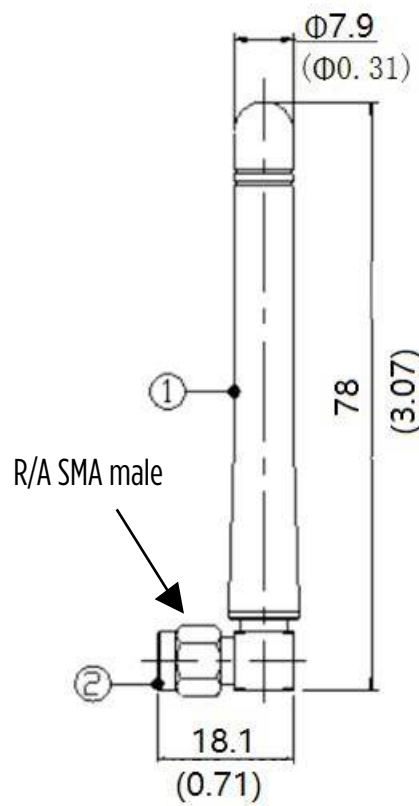
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## Mechanical

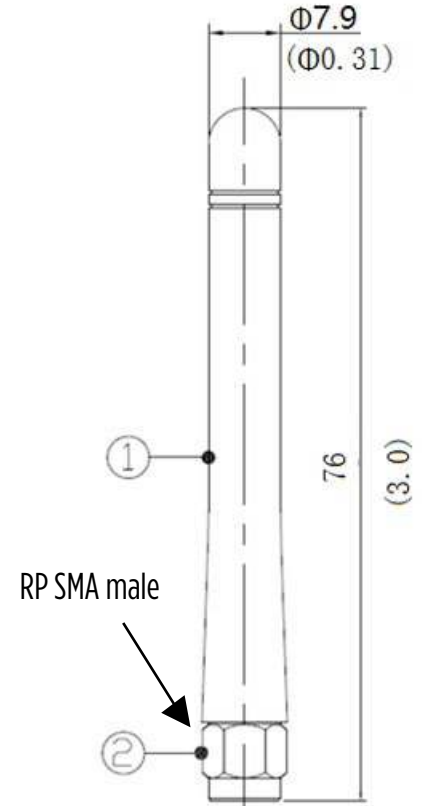
### W5029x



**W5029**



**W5029RASM**



**W5029RPG/W5029RPGT**

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

## Packaging

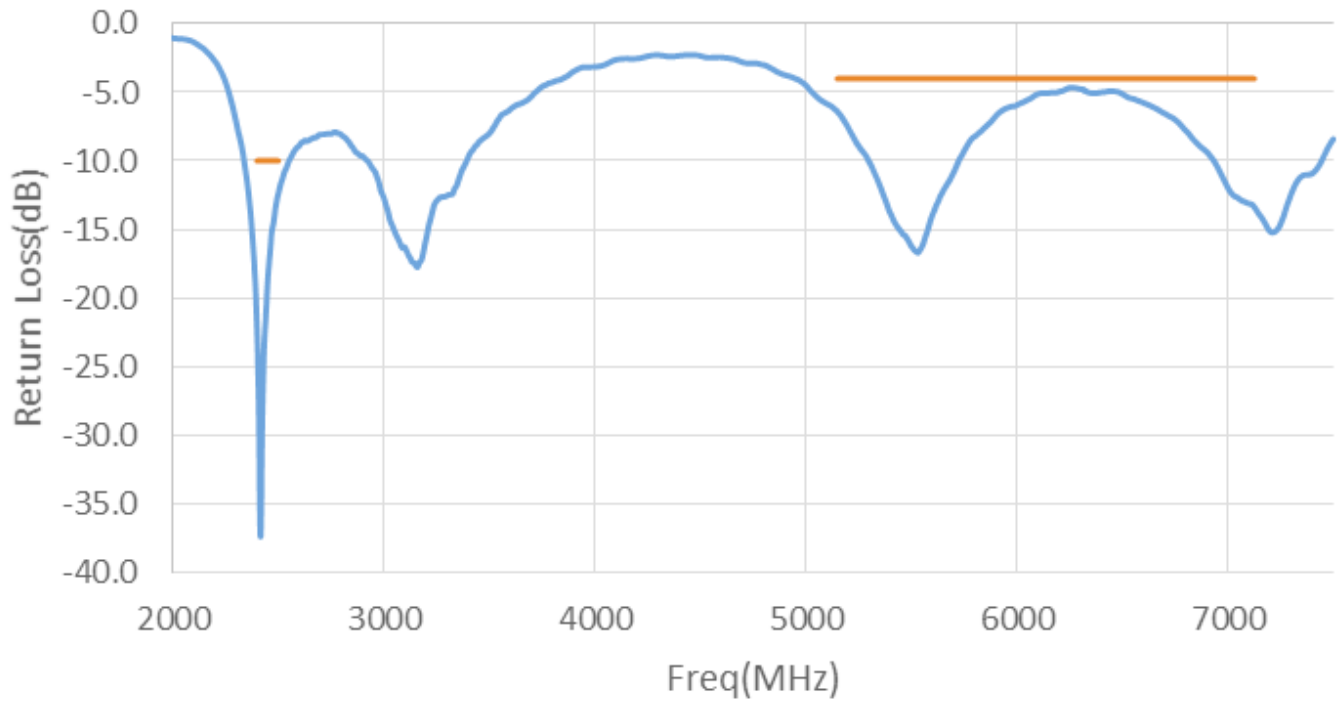
### W5029x

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

Charts

W5029x

Return Loss

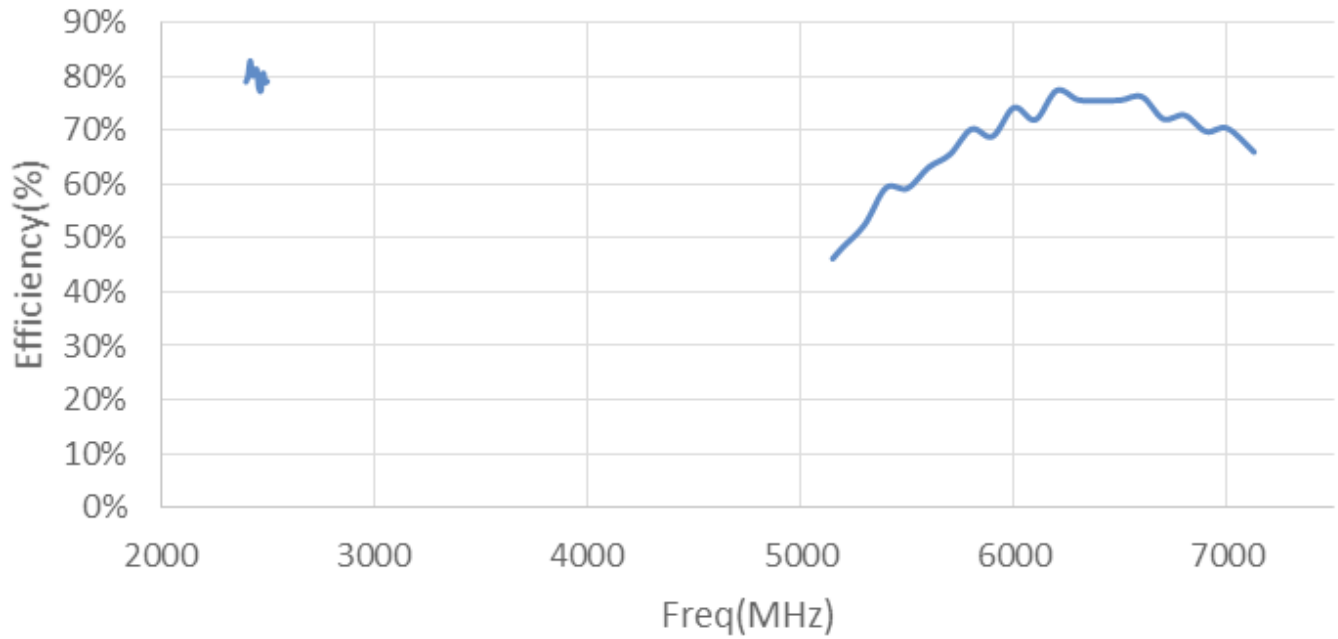


(\*) All RF parameters measure with free space

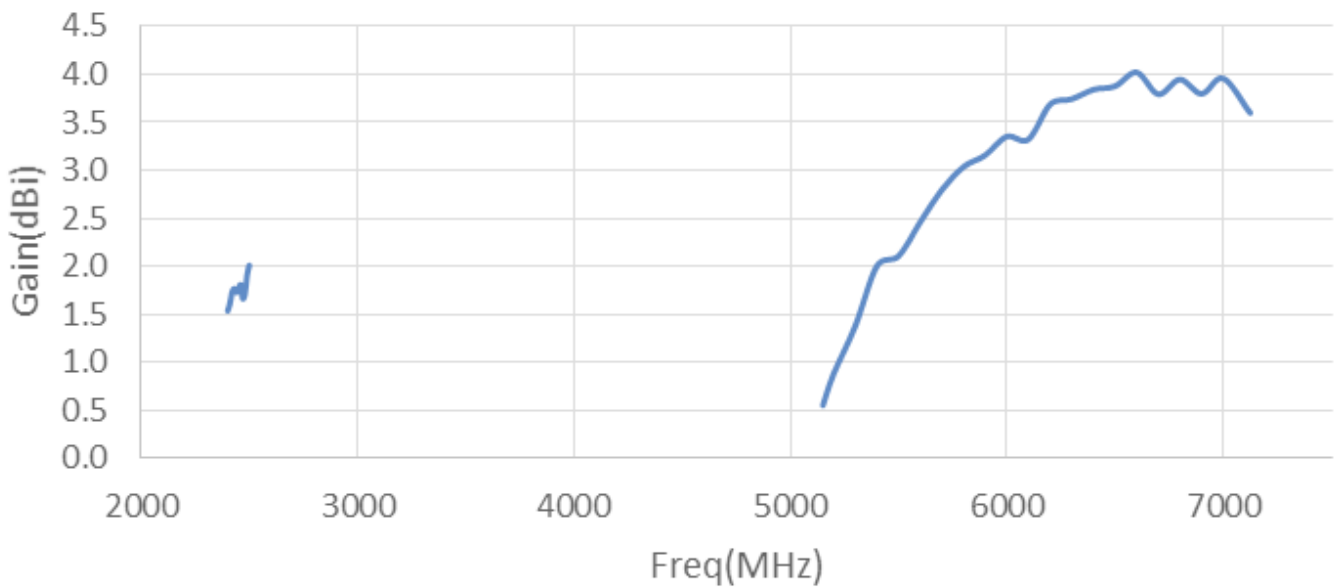
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## Efficiency(%)

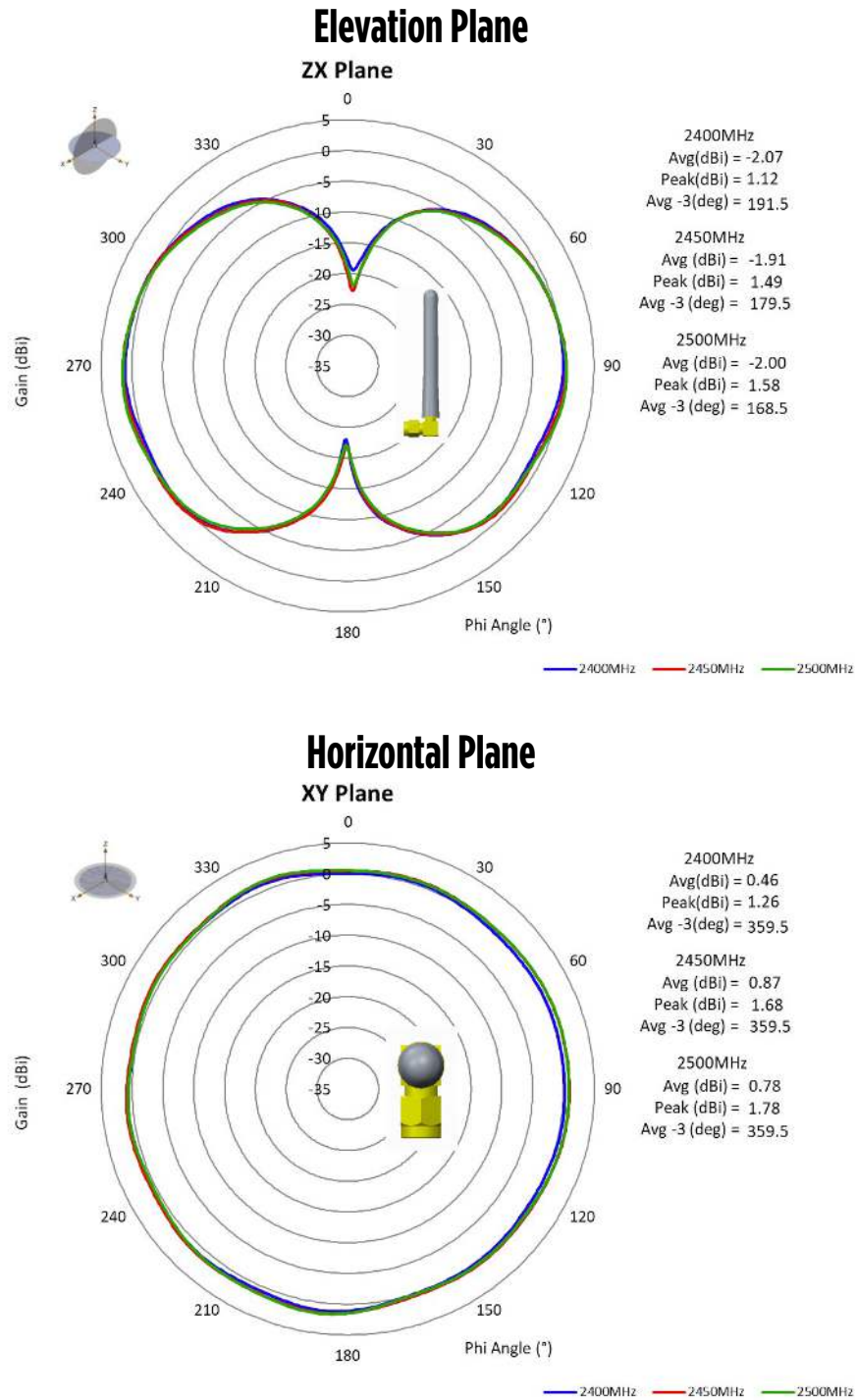


## Peak Gain (dBi)



(\*) All RF parameters measure with free space

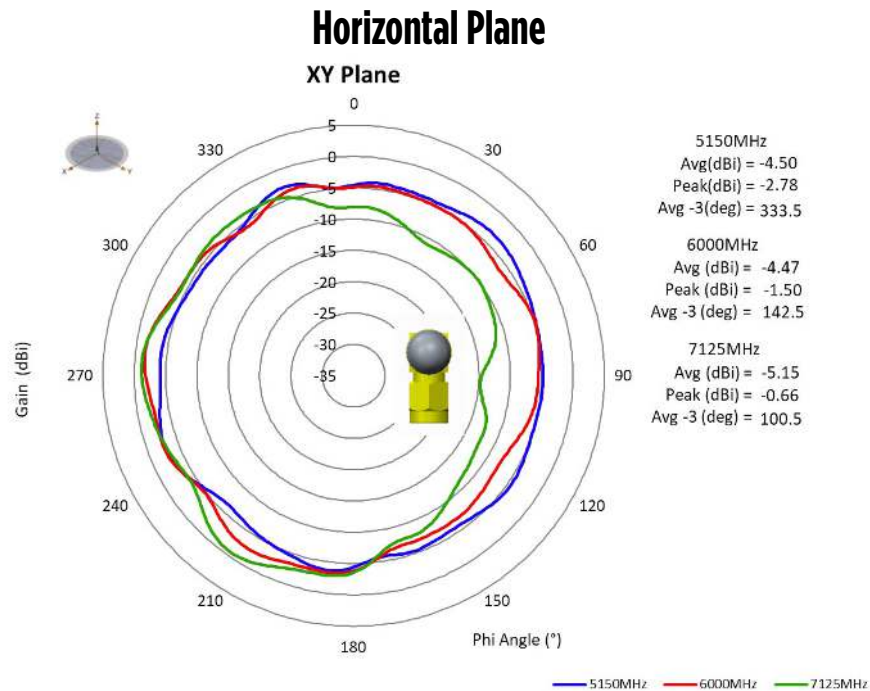
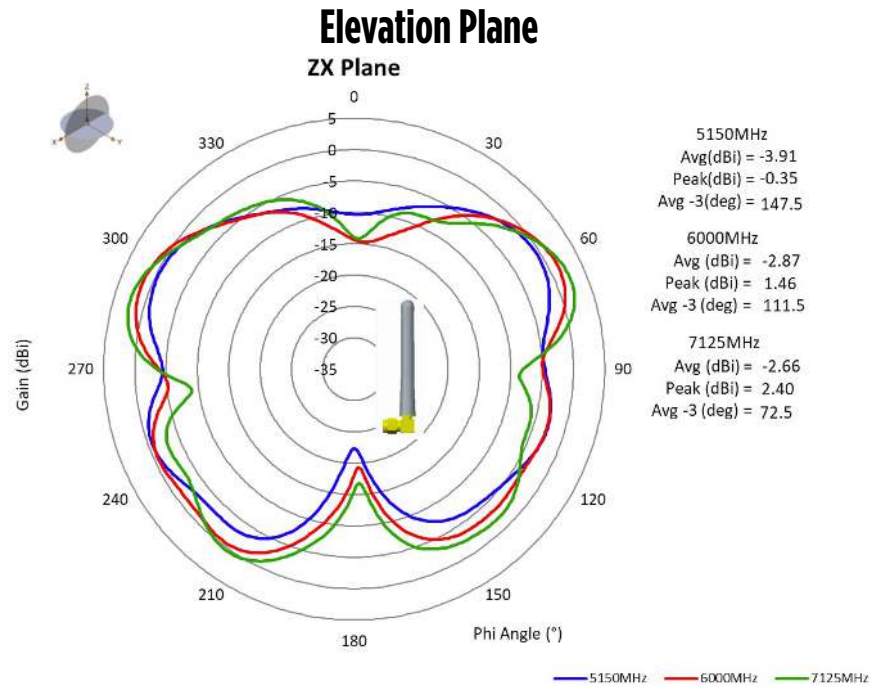
## Free Space Radiation Pattern



(\*) All RF parameters measure with free space

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(\*) All RF parameters measure with free space

## For More Information:

Americas - [antennas.us@pulseelectronics.com](mailto:antennas.us@pulseelectronics.com) | Europe - [antennas.eu@pulseelectronics.com](mailto:antennas.eu@pulseelectronics.com) | Asia - [antennas.as@pulseelectronics.com](mailto:antennas.as@pulseelectronics.com) | Questions? +1-800-ANTENNA

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