

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
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

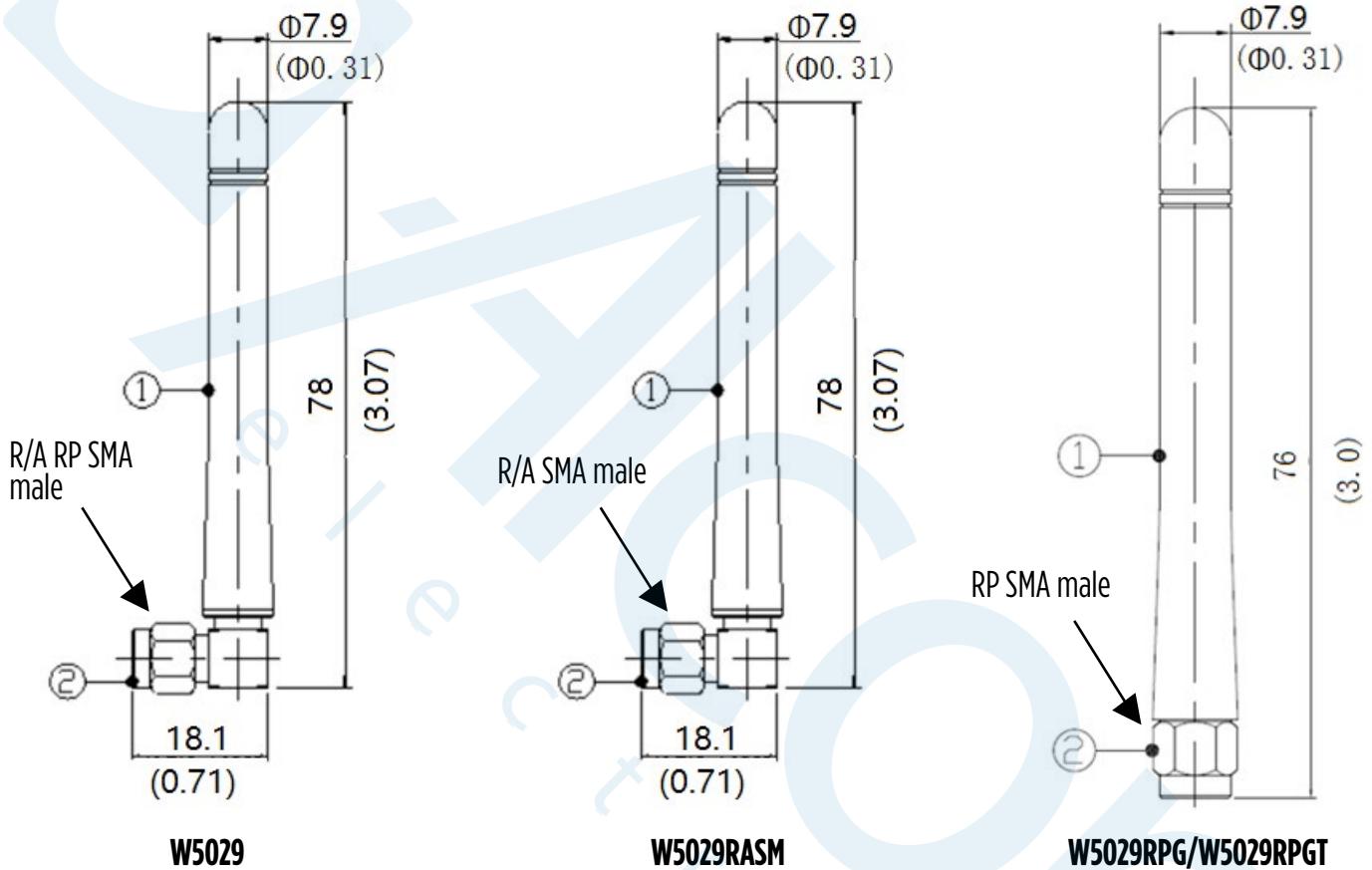
Part Number	Length	Color	Weight	Connector Type	Plastic Radome	Flammability	Ingress Protection
W5029	78mm	Black	11.36grms	Right Angle RP SMA Male (Au Plating)	TPEE	UL94-V0	IP65
W5029RASM	78mm		11.36grms	Right Angle SMA male (Au Plating)			
W5029RPG	76mm		7.82grms	Straight RP SMA Male (Au Plating)			
W5029RPGT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

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Mechanical

W5029x



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

Packaging

W5029x

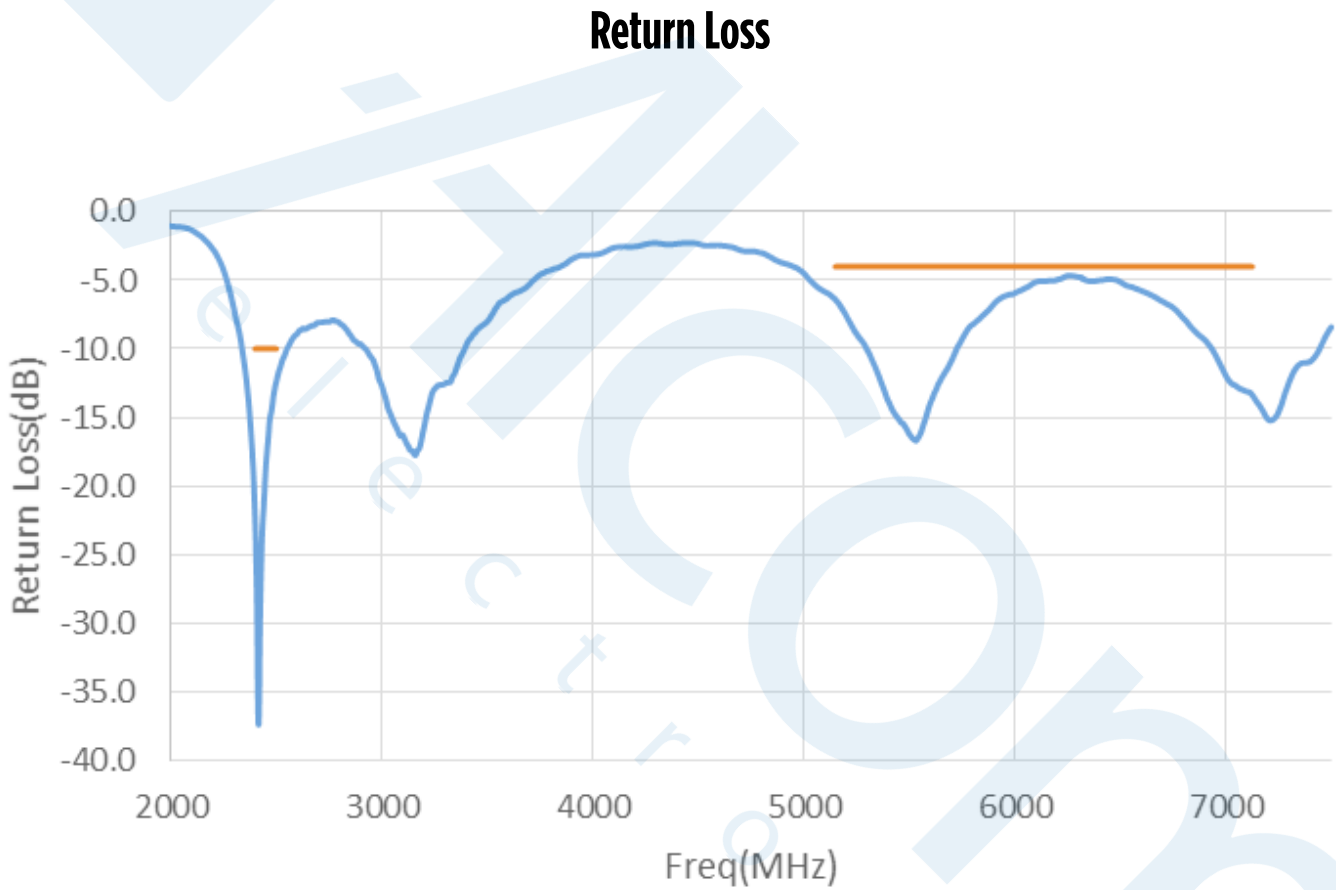
20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box

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Charts

W5029x

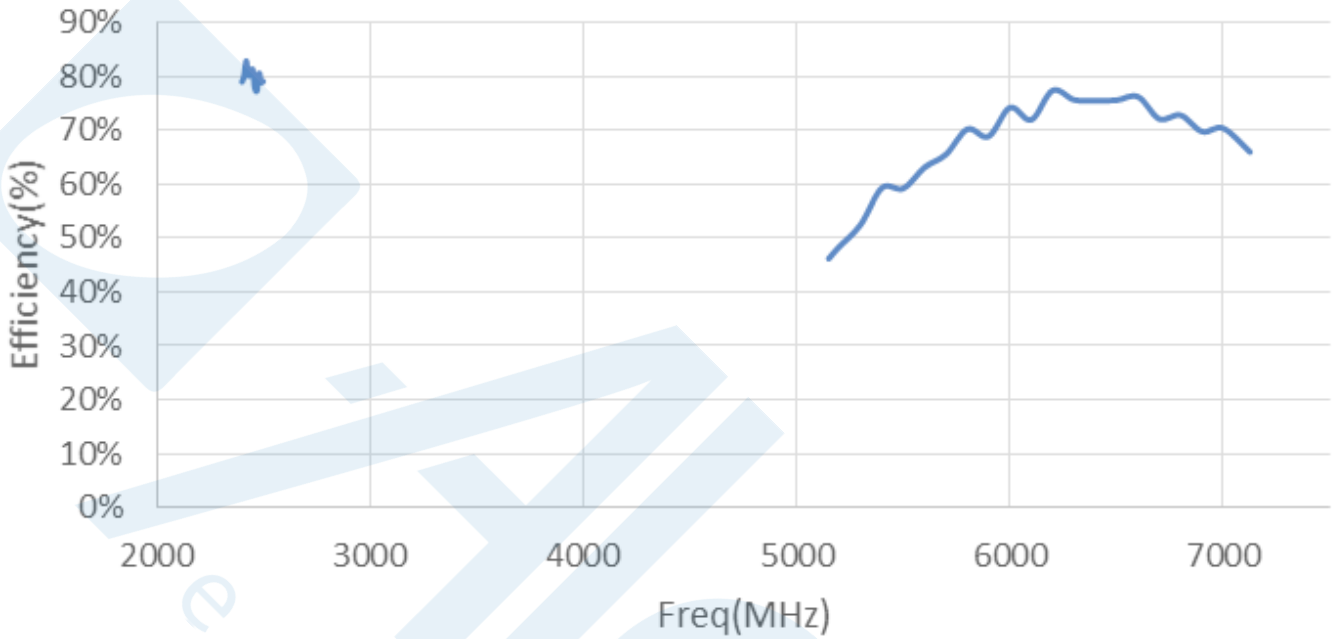


(*) All RF parameters measure with free space

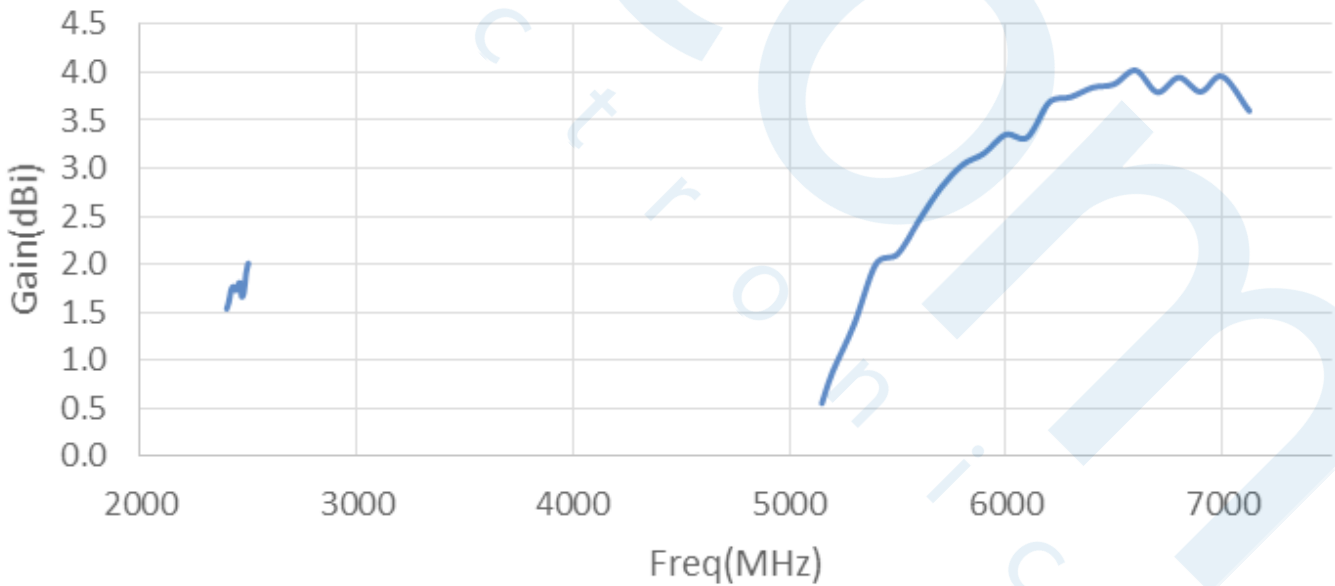
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Efficiency(%)

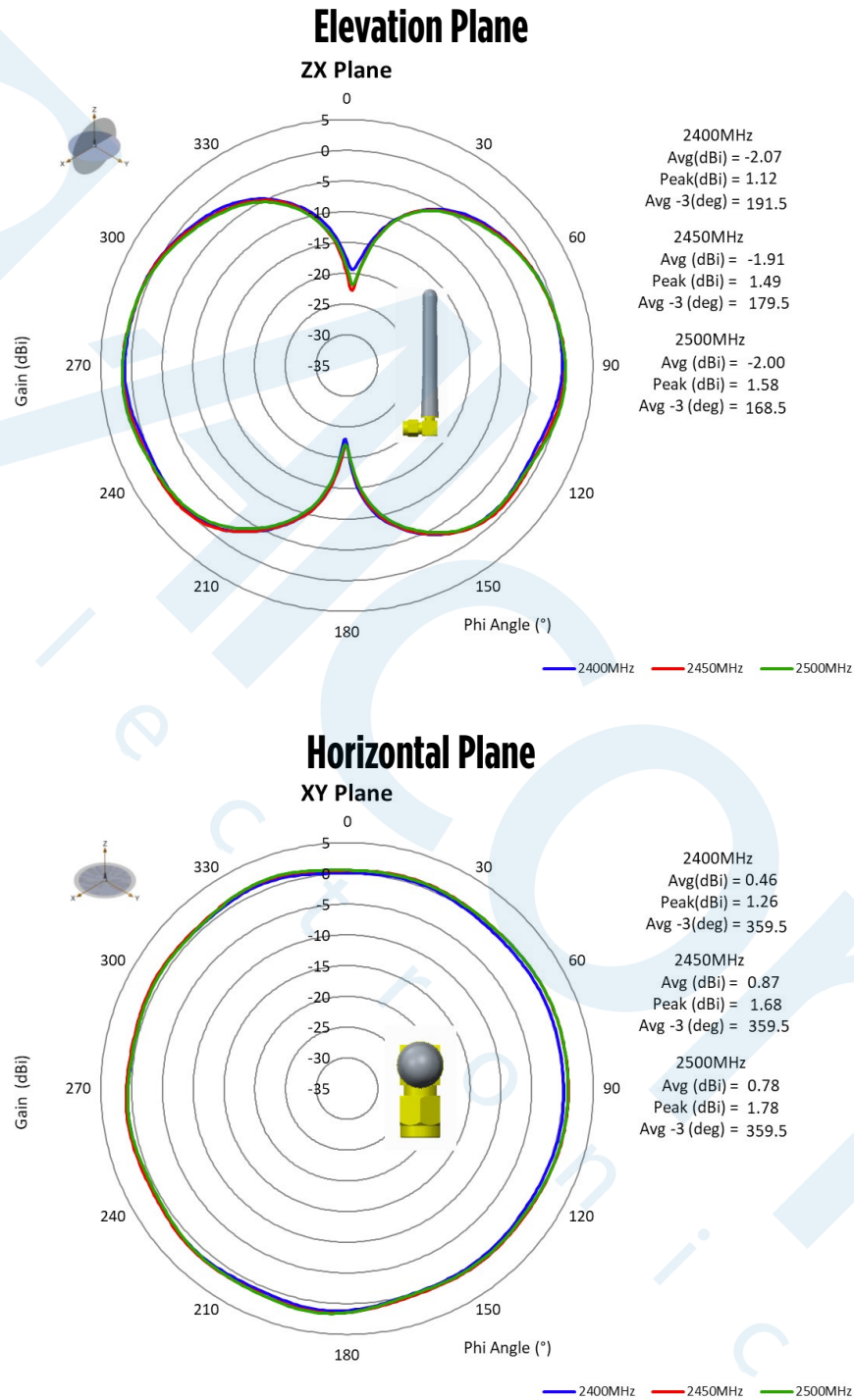


Peak Gain (dBi)



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Free Space Radiation Pattern

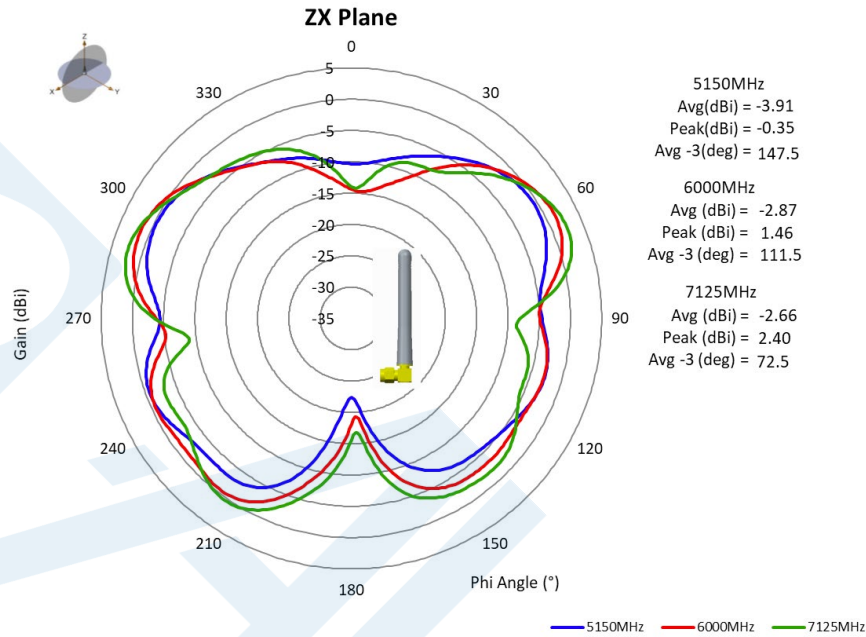


(*) All RF parameters measure with free space

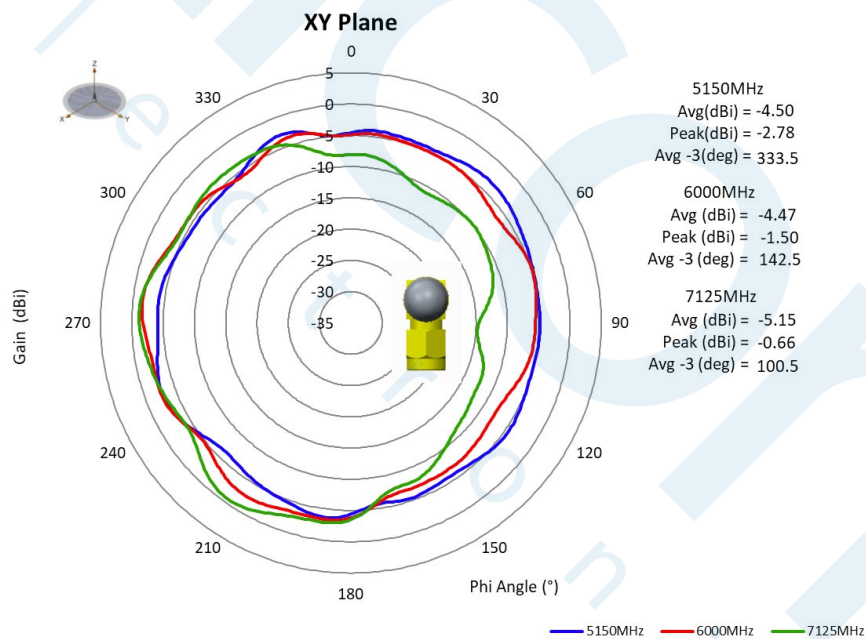
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Elevation Plane



Horizontal Plane



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