

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

W5029, W5029RASM, W5029RPG, W5029RPGT



W5029

W5029RASM

W5029RPG

W5029RPGT

- ④ WiFi-6E, Zigbee, BLE/BT, DSRC V2x Communication
- ④ Rugged Outdoor Systems
- ④ Marine, Mining, Utility, Oil/Gas Environments
- ④ Industrial Applications
- ④ Metering, Security, IoT Applications
- ④ 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

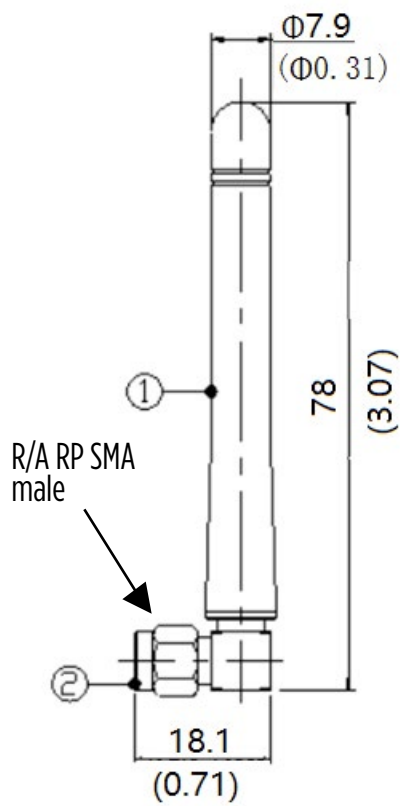
| Part Number | Length | Color | Weight    | Connector Type                       | Plastic Radome | Flammability | Ingress Protection |
|-------------|--------|-------|-----------|--------------------------------------|----------------|--------------|--------------------|
| W5029       | 78mm   | Black | 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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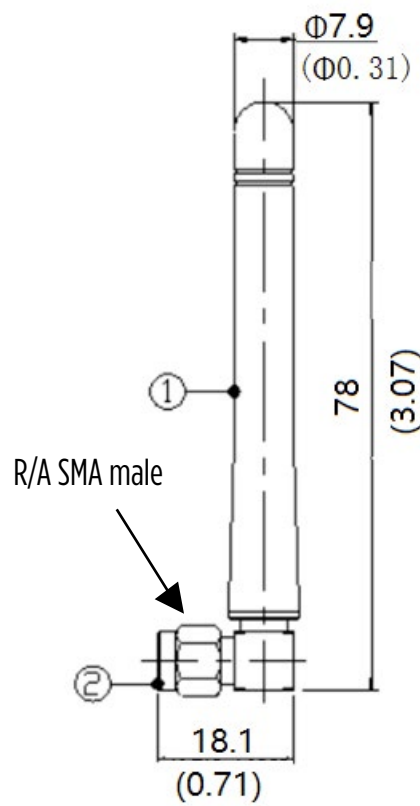
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## Mechanical

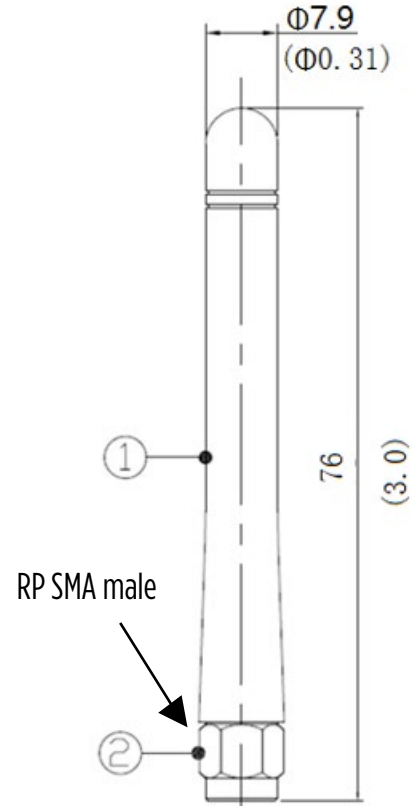
### W5029x



**W5029**



**W5029RASM**



**W5029RPG/W5029RPGT**

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

## Packaging

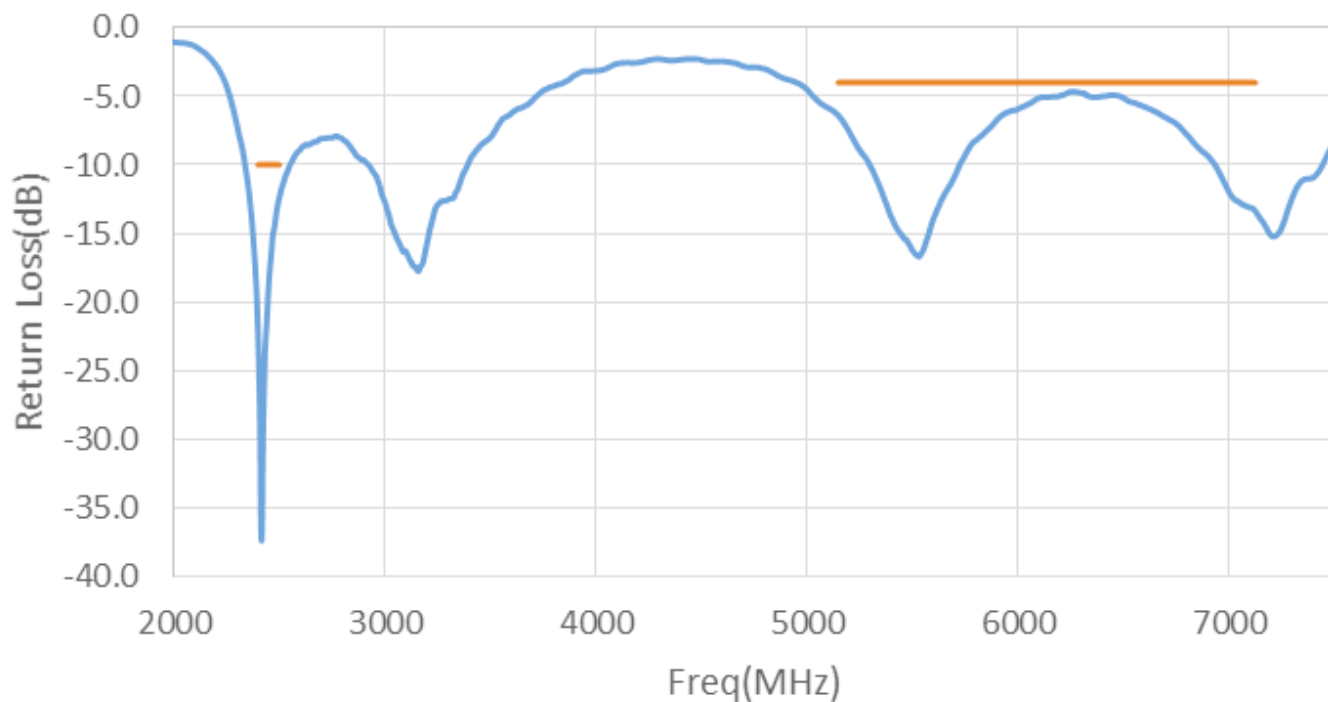
### W5029x

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

## Charts

W5029x

### Return Loss

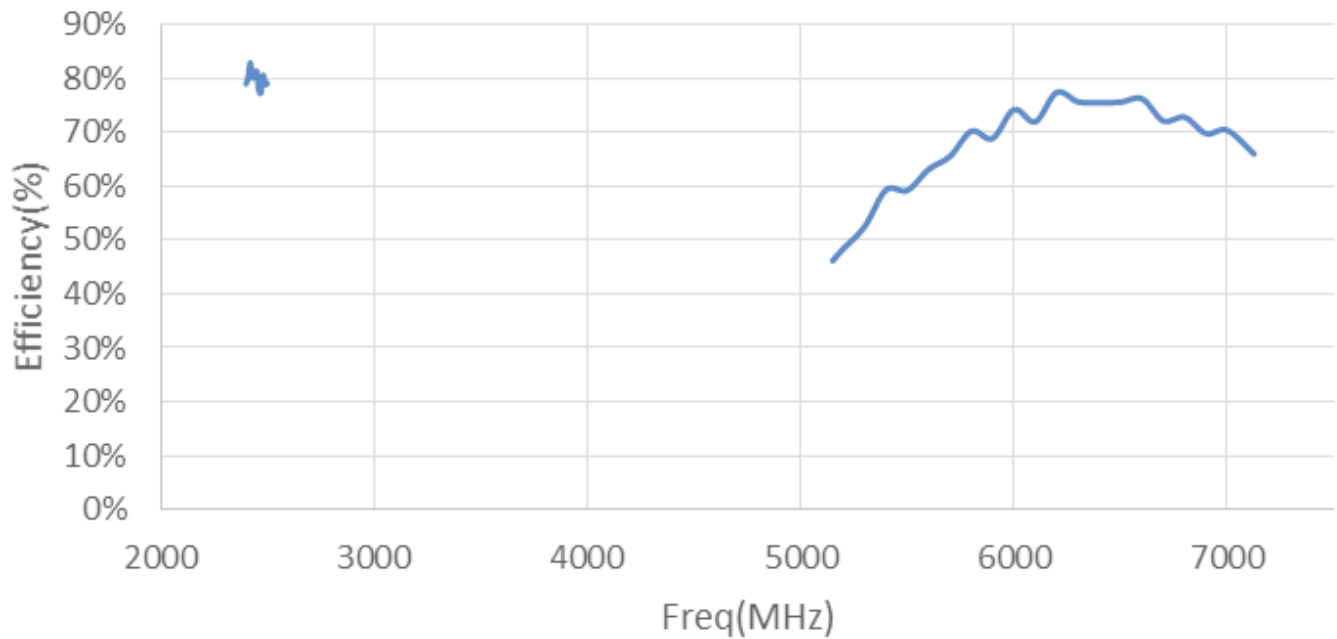


(\*) All RF parameters measure with free space

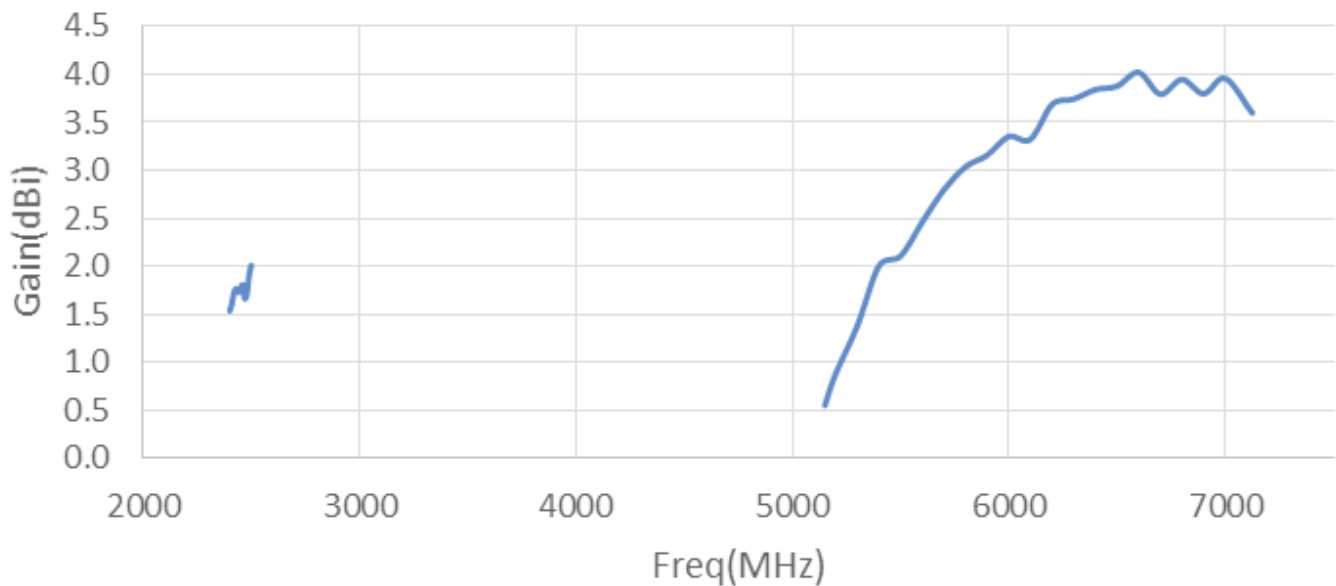
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**Efficiency(%)**

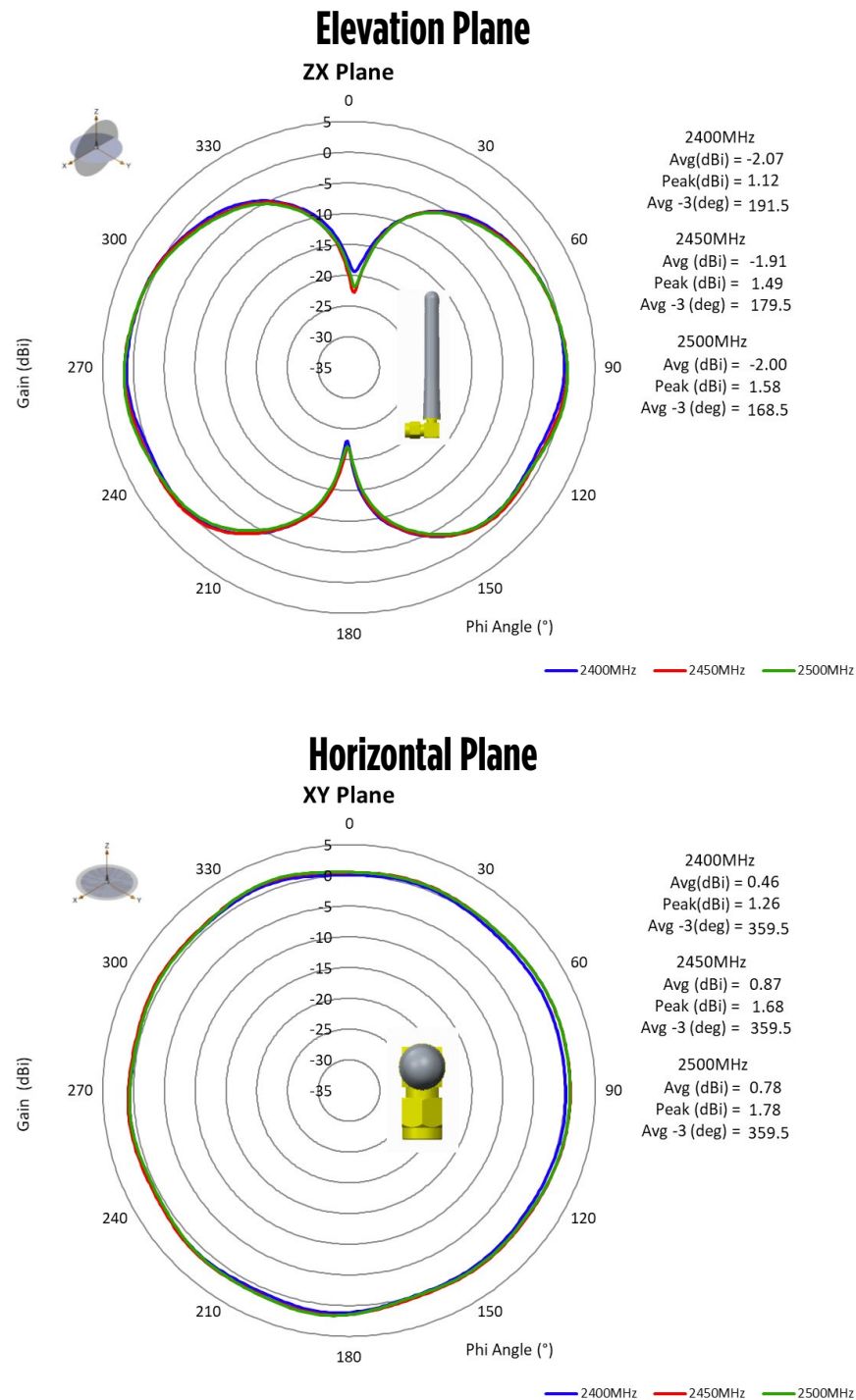


**Peak Gain (dBi)**



(\*) All RF parameters measure with free space

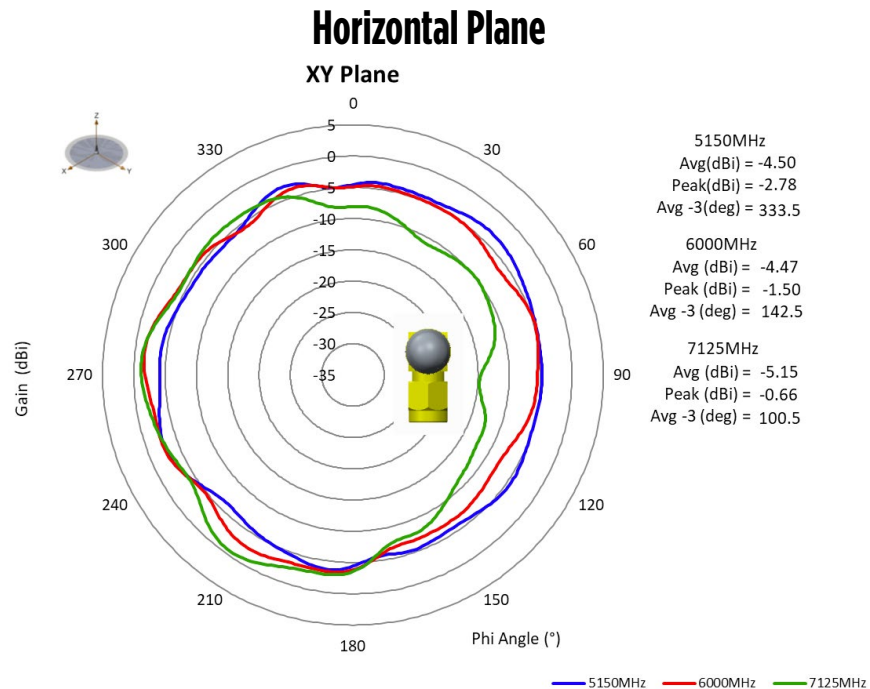
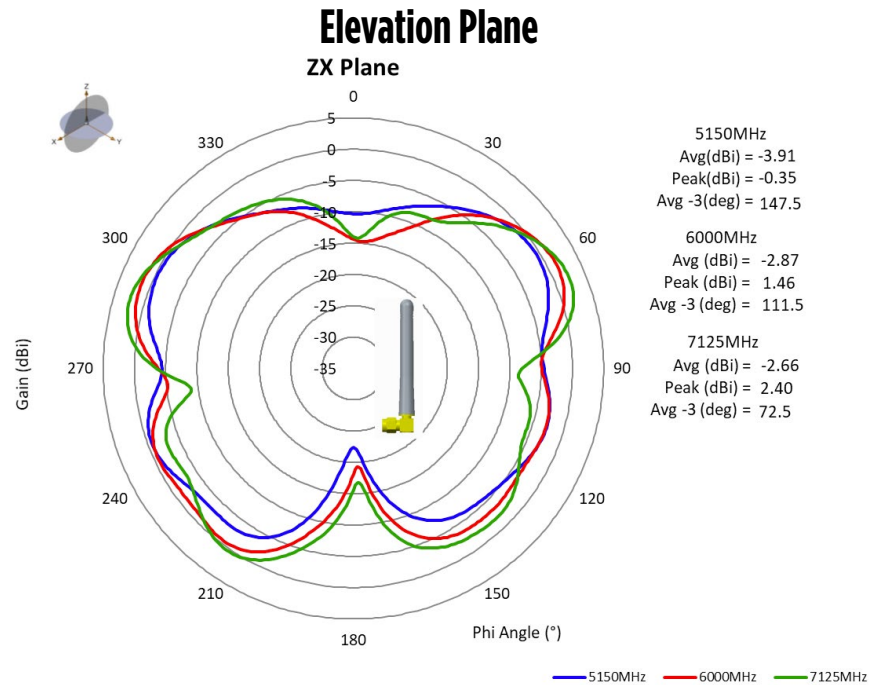
## Free Space Radiation Pattern



(\*) All RF parameters measure with free space

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(\*) All RF parameters measure with free space

## For More Information:

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