

# External / In-building Knuckle Swivel, WiFi 6E Stick Antenna

W5098



- Ⓢ 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 -40C to 85C, Storage Temperature -40C to 85C**

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

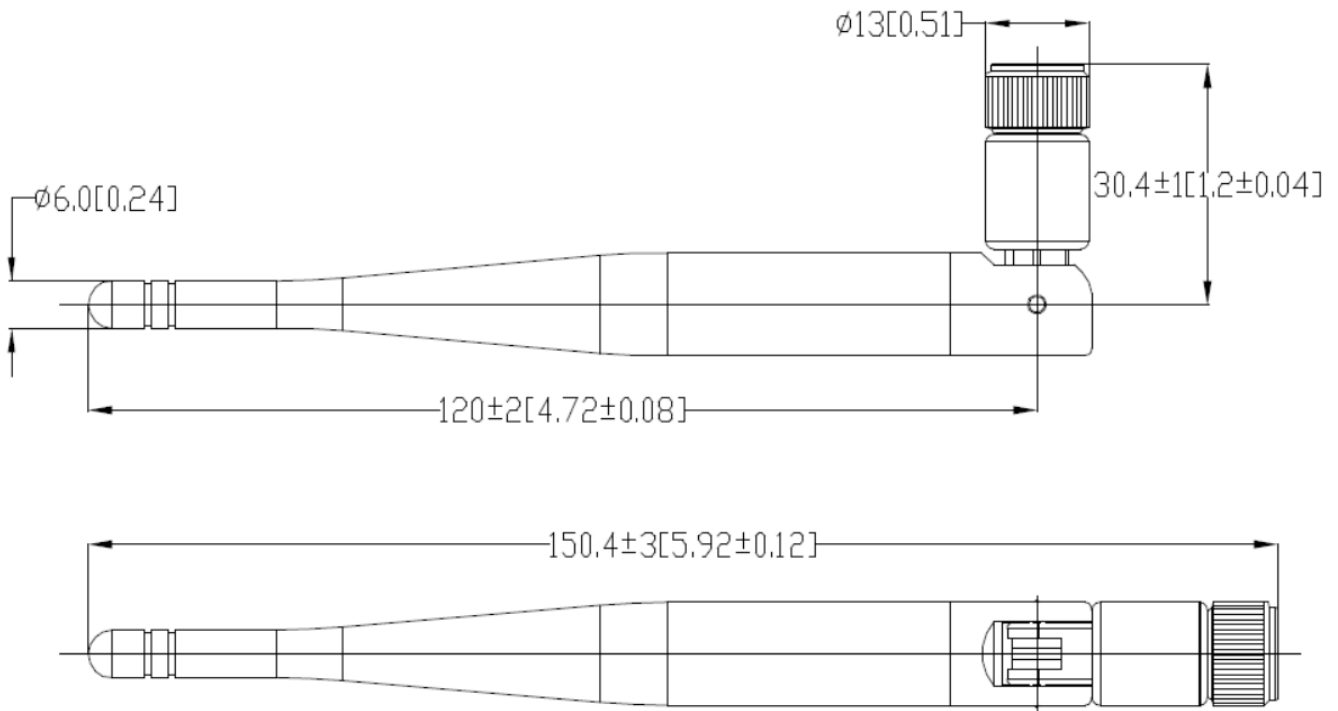
Antenna Type	Nominal Impedance	Radiation Pattern	Polarization	VSWR
Stick Antenna	50Ω	Omni	Vertical	2.0 Max
<b>Frequency</b>	<b>2.4-2.5GHz</b>		<b>5.15-7.125GHz</b>	
<b>Average Efficiency</b>	75%		71%	
<b>Peak Gain</b>	3.5dBi		3.8dBi	

**Mechanical Specifications**

Part Number	Length	Color	Weight	Connector Type	Plastic Radome	Flammability	Ingress Protection
<b>W5098</b>	5.92 Inches	Black	17.3grms	RP-SMA	TPEE	UL94-V0	IP67

### Mechanical

W5098



### Packaging

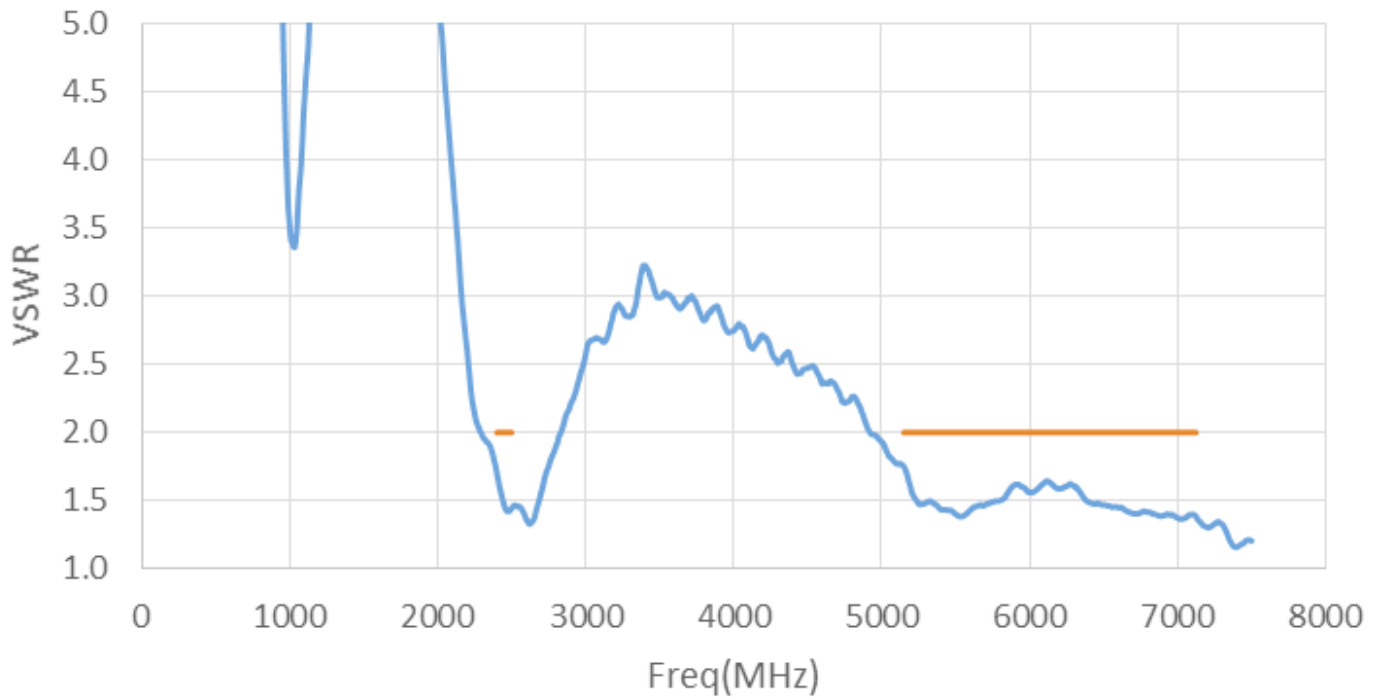
W5098

10PCS/Bullet PE bag  
500PCS/Carton Box

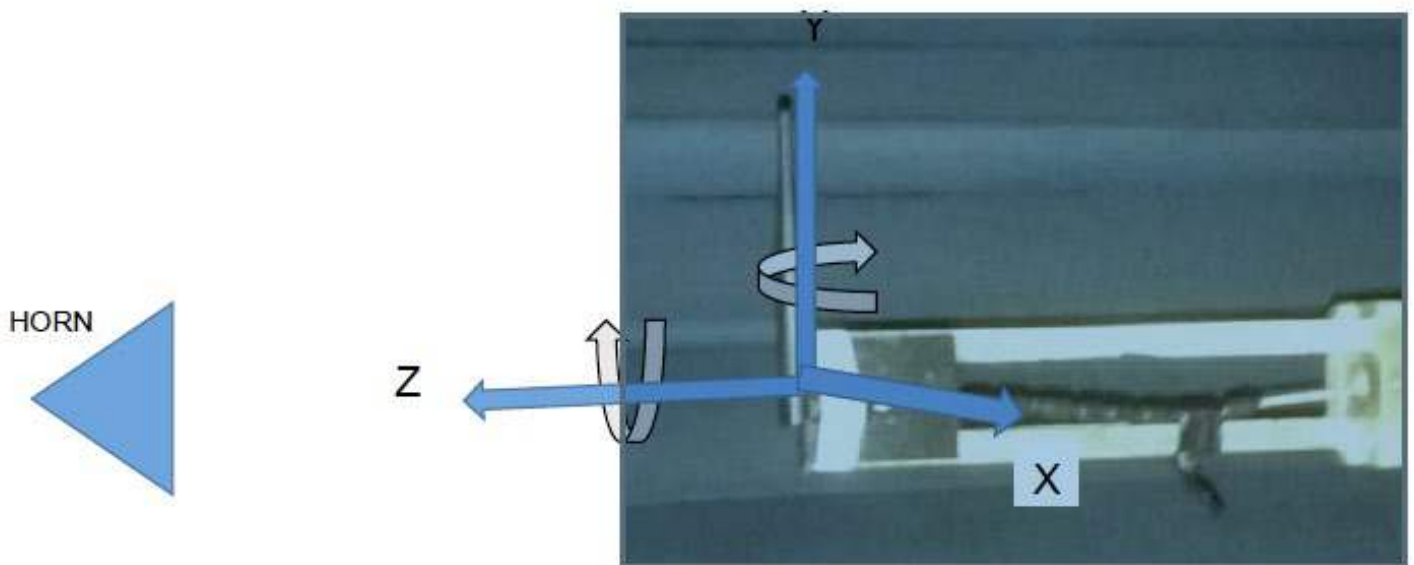
Charts

W5029x

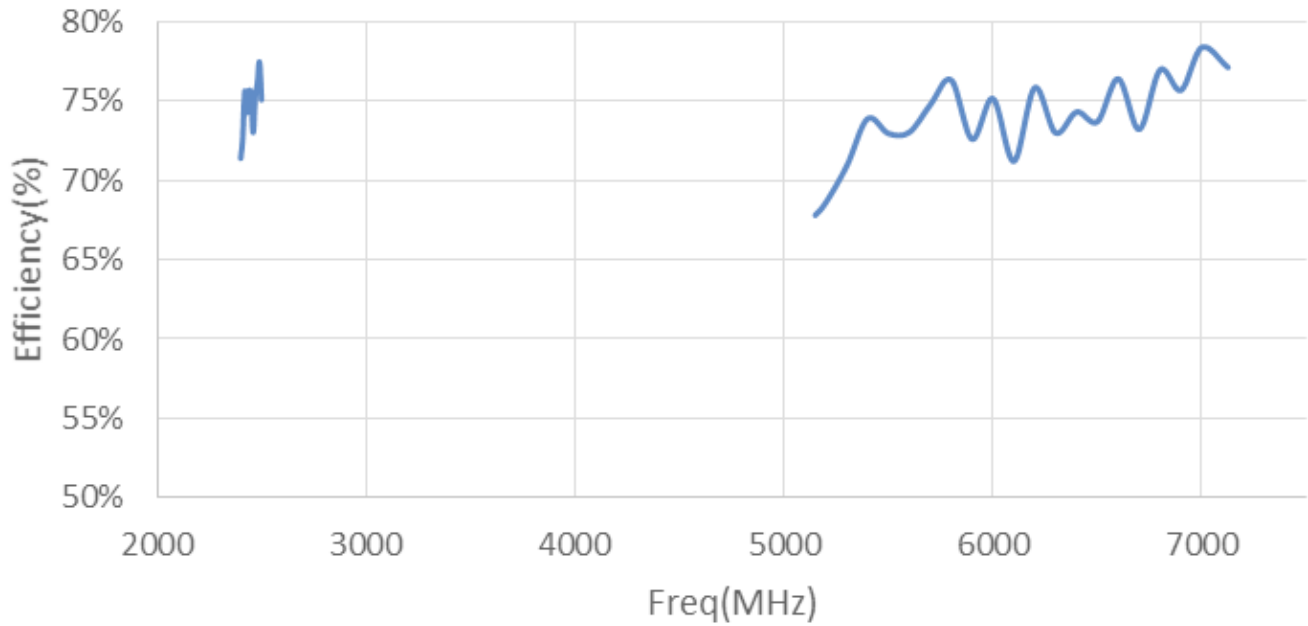
**VSWR measured in free space**



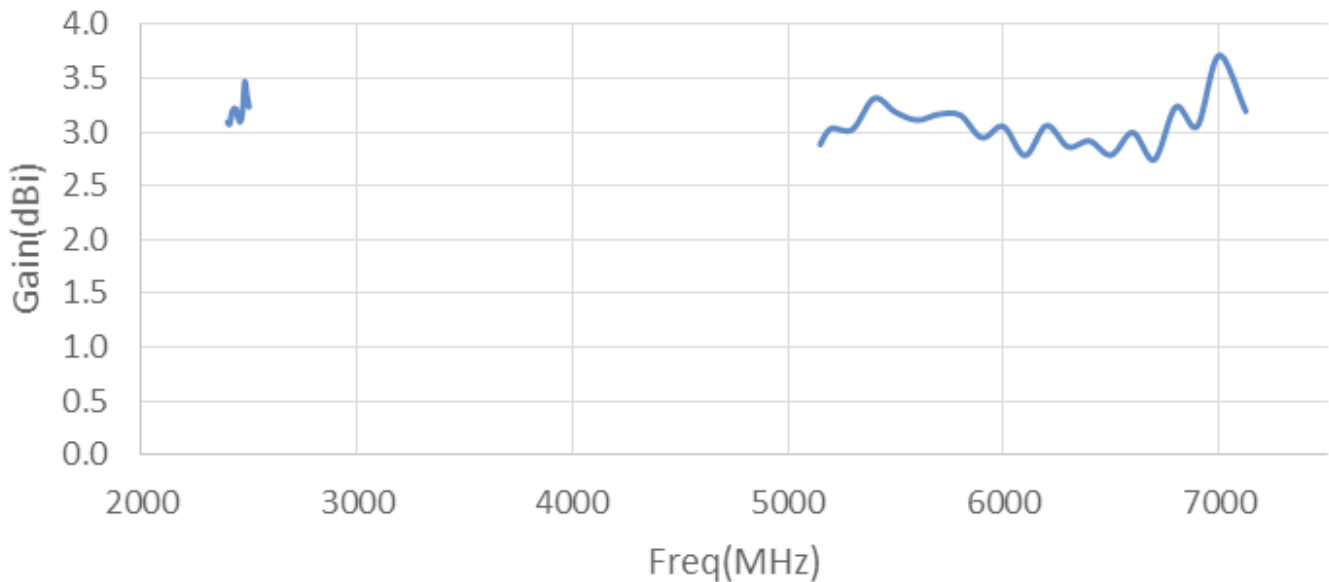
**Chamber set up**



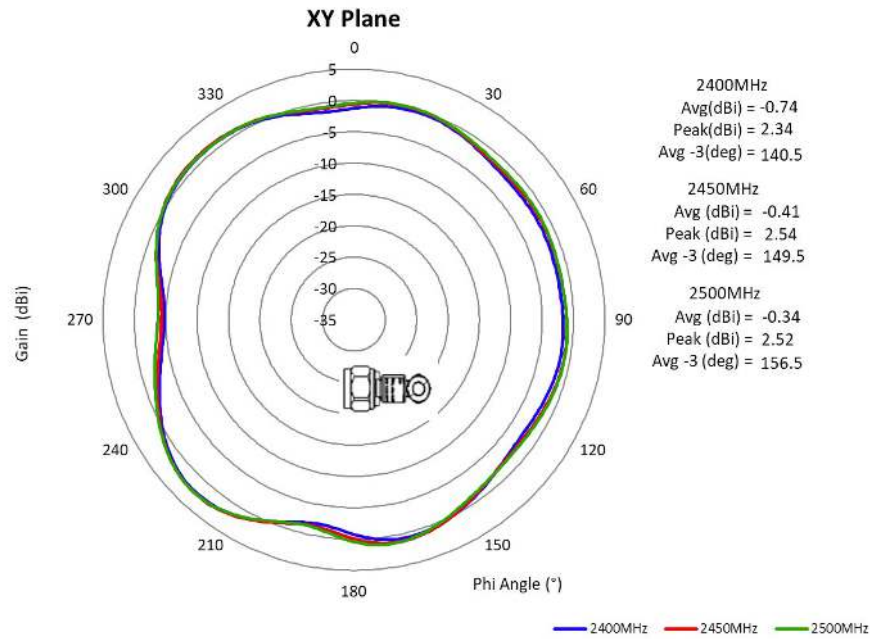
### Efficiency measured in free space right angle



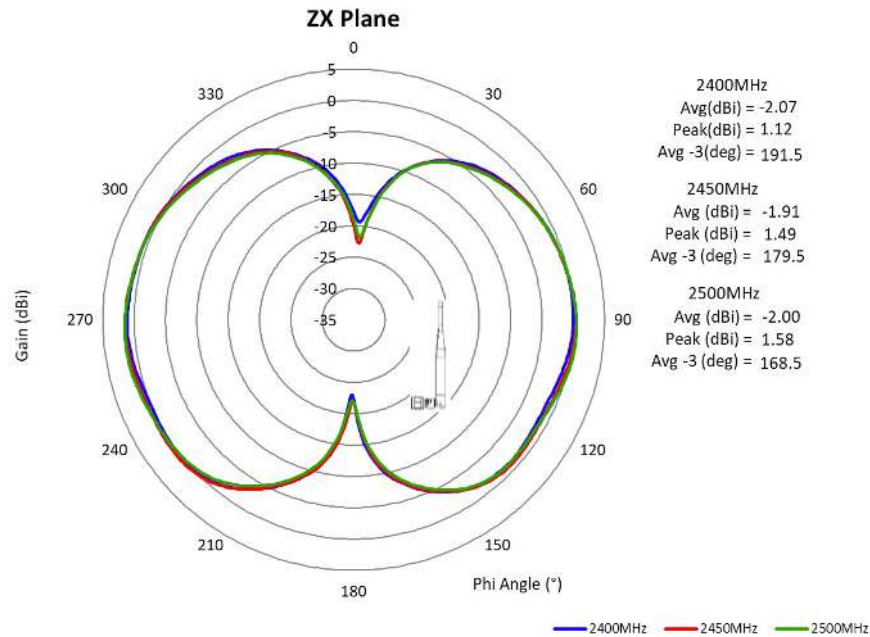
### Peak Gain measured in free space right angle



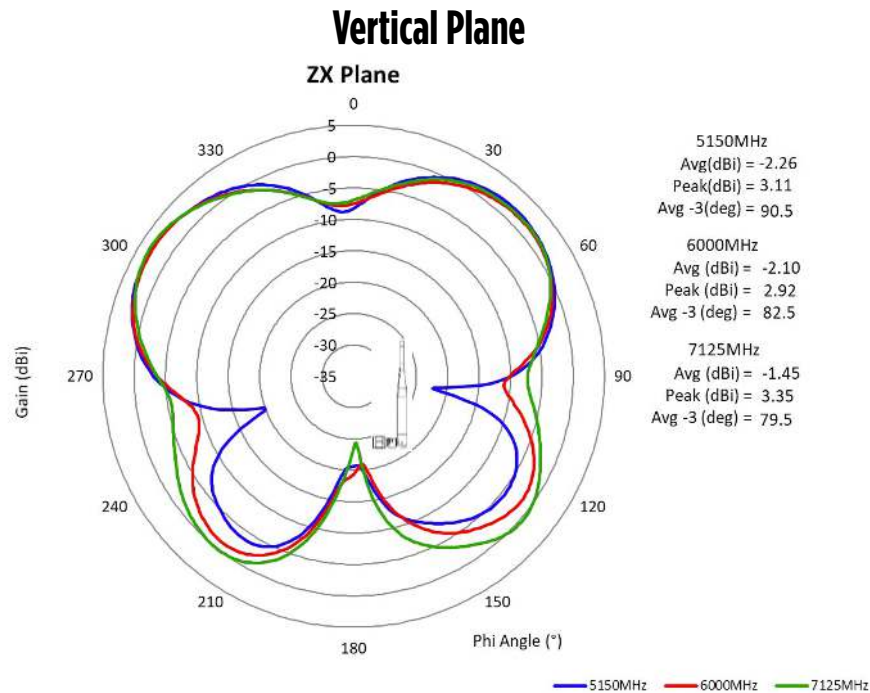
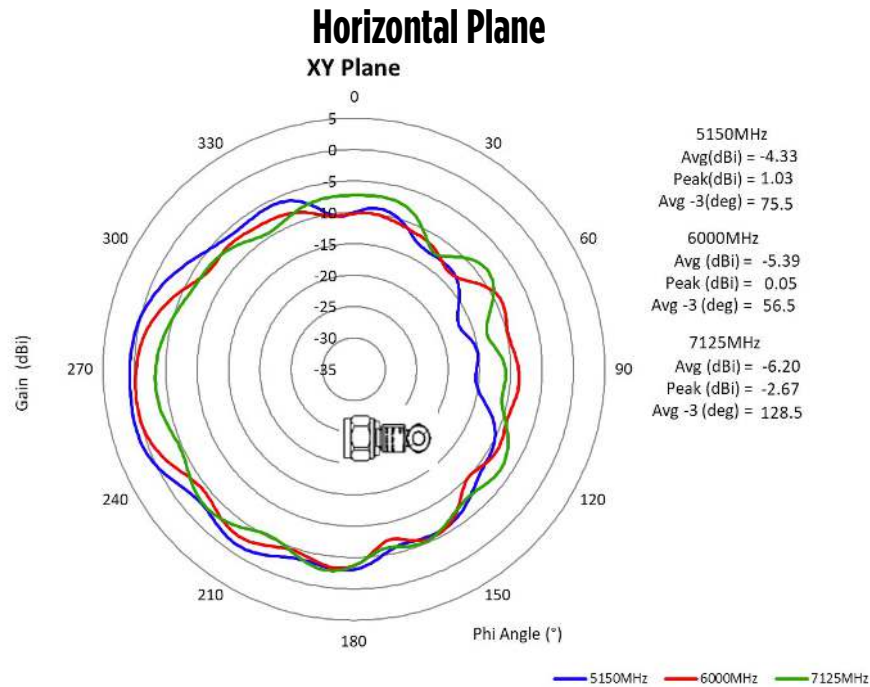
### Horizontal Plane



### Vertical Plane



# External / In-building Knuckle Swivel, WiFi 6E Stick Antenna W5098



## 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

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.