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

Pulse
a YAGEO company



- *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

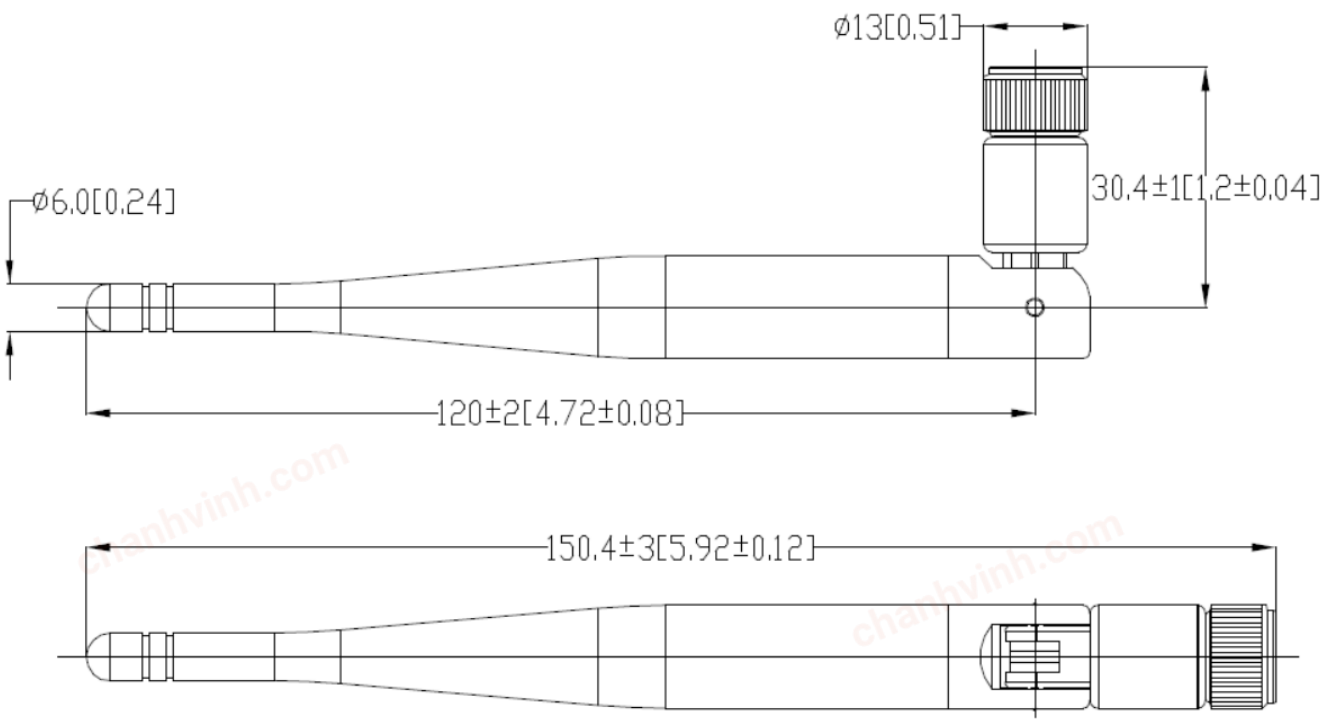
Frequency	**2.4-2.5GHz**	**5.15-7.125GHz**
Average Efficiency	75%	71%
Peak Gain	3.5dBi	3.8dBi

Mechanical Specifications							
Part Number	**Length**	**Color**	**Weight**	**Connector Type**	**Plastic Radome**	**Flammability**	**Ingress Protection**
W5098	5.92 Inches	Black	17.3grms	RP-SMA	TPEE	UL94-V0	IP67

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Mechanical

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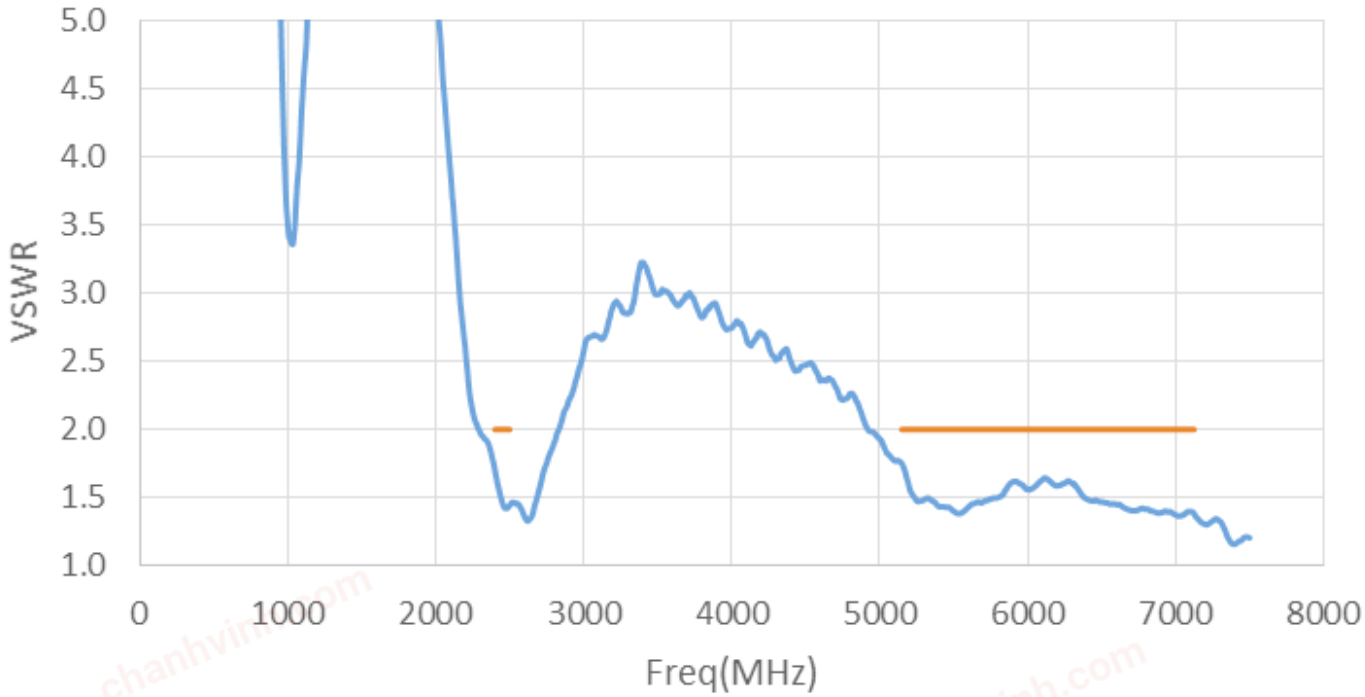
Packaging

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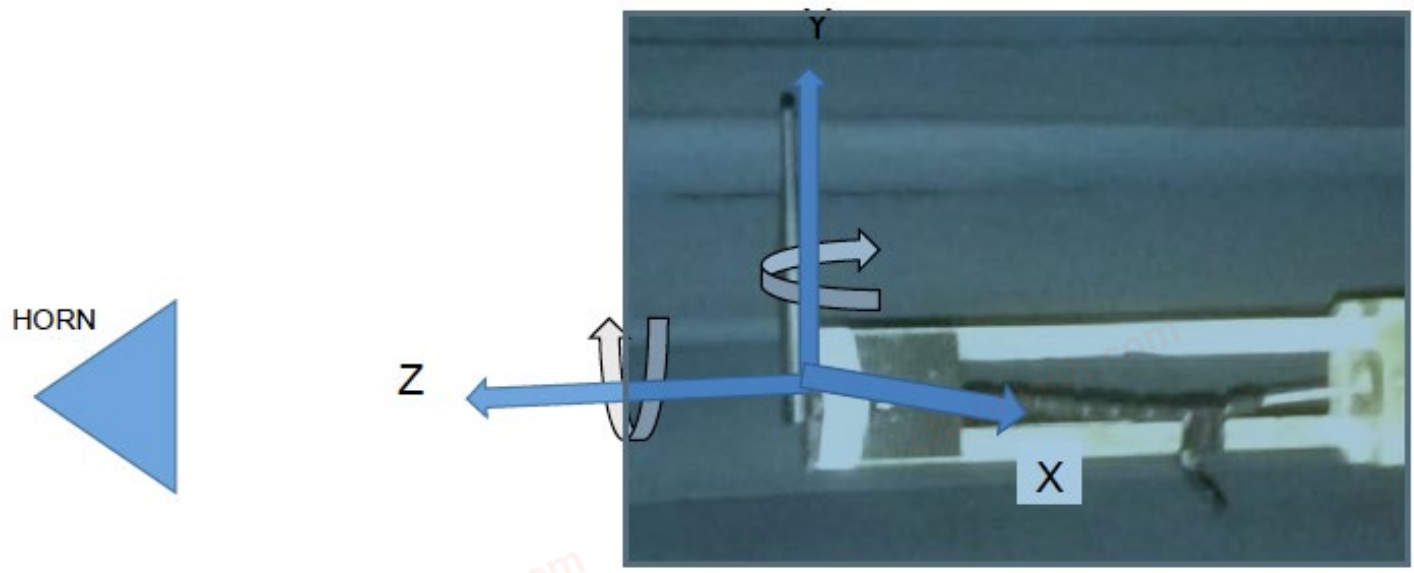
10PCS/Bullet PE bag
500PCS/Carton Box

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VSWR measured in free space

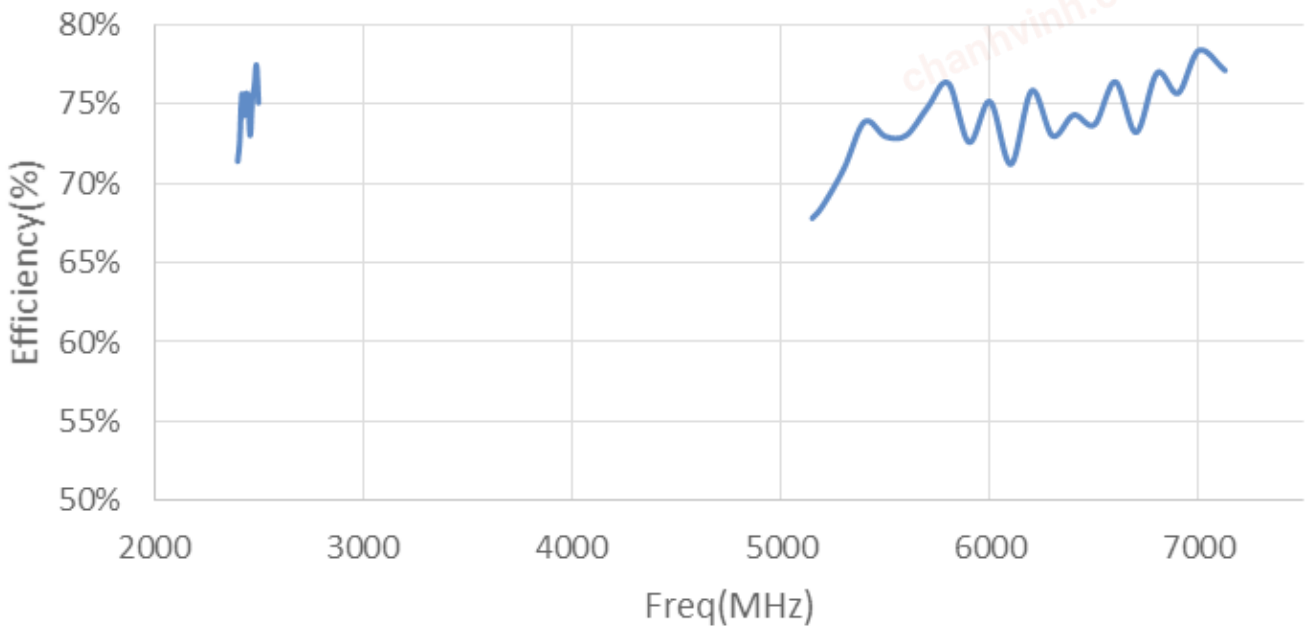


Chamber set up

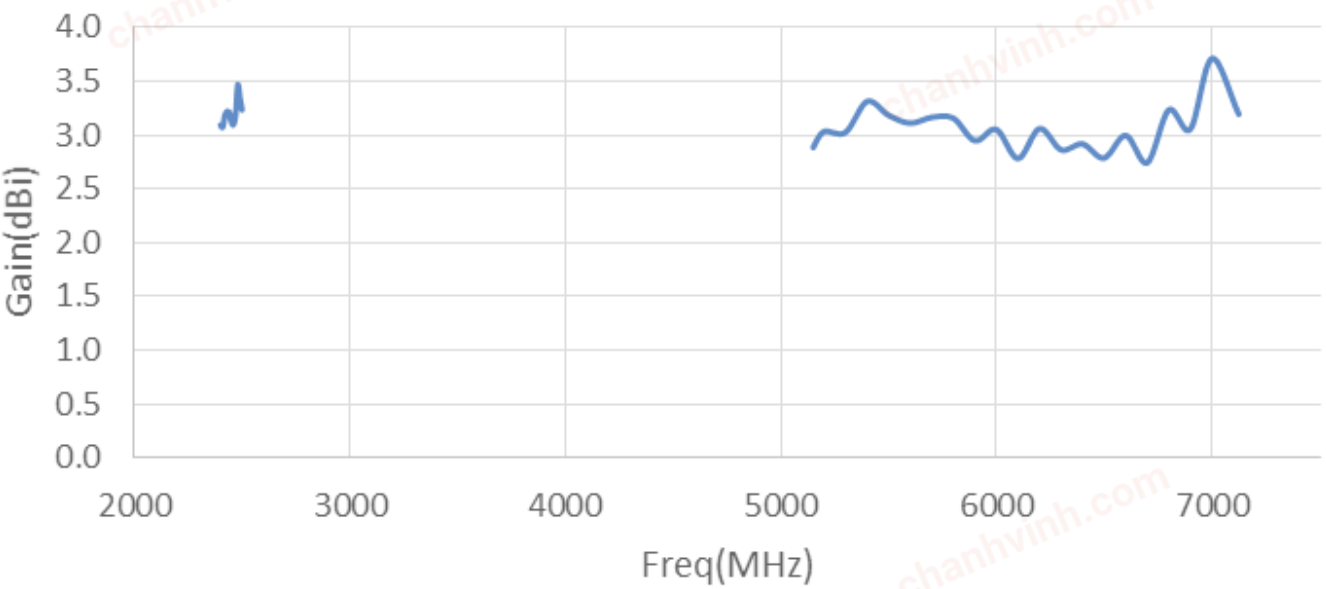


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Effciency measured in free space right angle



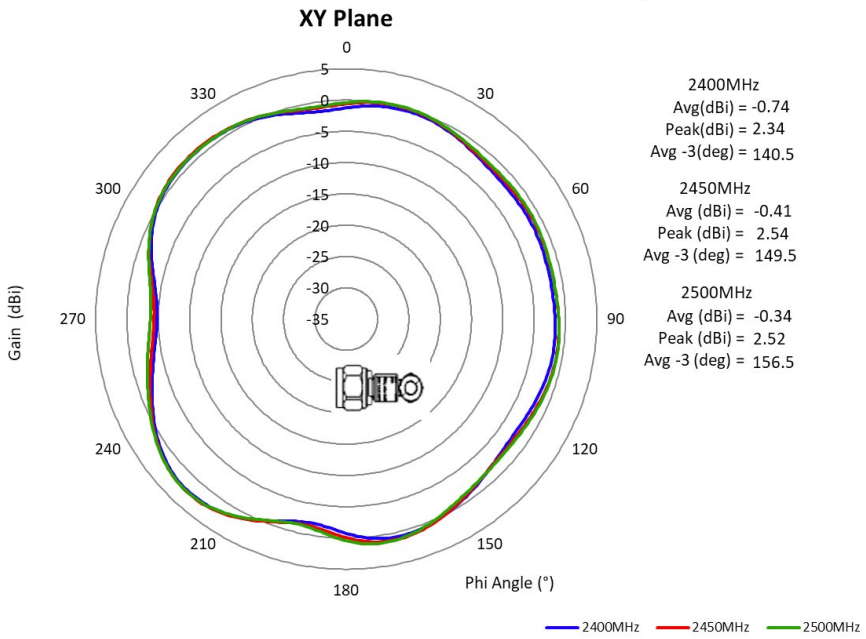
Peak Gain measured in free space right angle



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Horizontal Plane

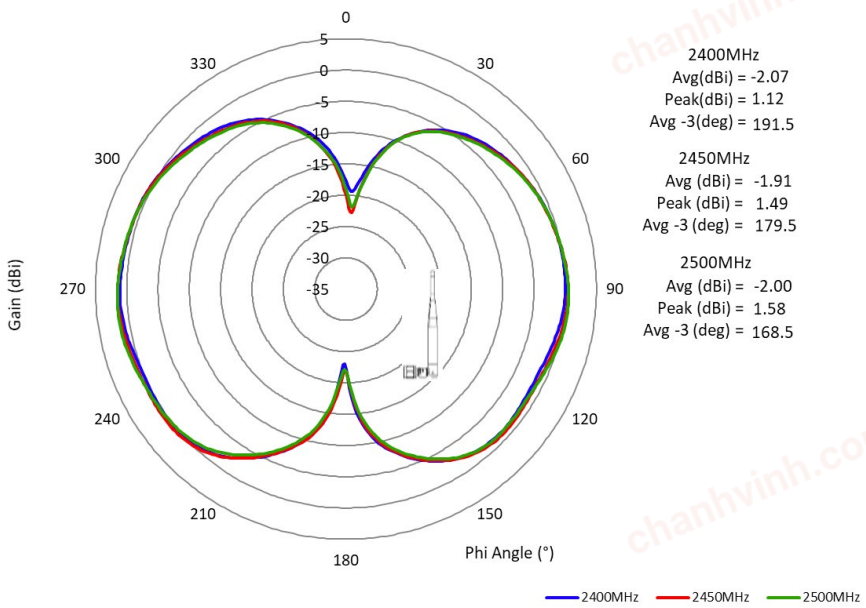


2400MHz
Avg(dBi) = -0.74
Peak(dBi) = 2.34
Avg -3(deg) = 140.5

2450MHz
Avg (dBi) = -0.41
Peak (dBi) = 2.54
Avg -3 (deg) = 149.5

2500MHz
Avg (dBi) = -0.34
Peak (dBi) = 2.52
Avg -3 (deg) = 156.5

Vertical Plane



2400MHz
Avg(dBi) = -2.07
Peak(dBi) = 1.12
Avg -3(deg) = 191.5

2450MHz
Avg (dBi) = -1.91
Peak (dBi) = 1.49
Avg -3 (deg) = 179.5

2500MHz
Avg (dBi) = -2.00
Peak (dBi) = 1.58
Avg -3 (deg) = 168.5

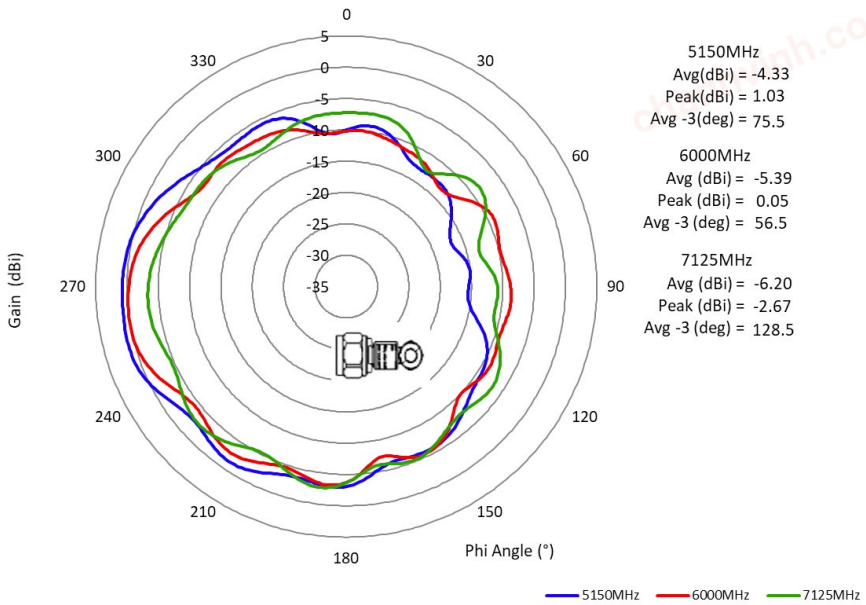
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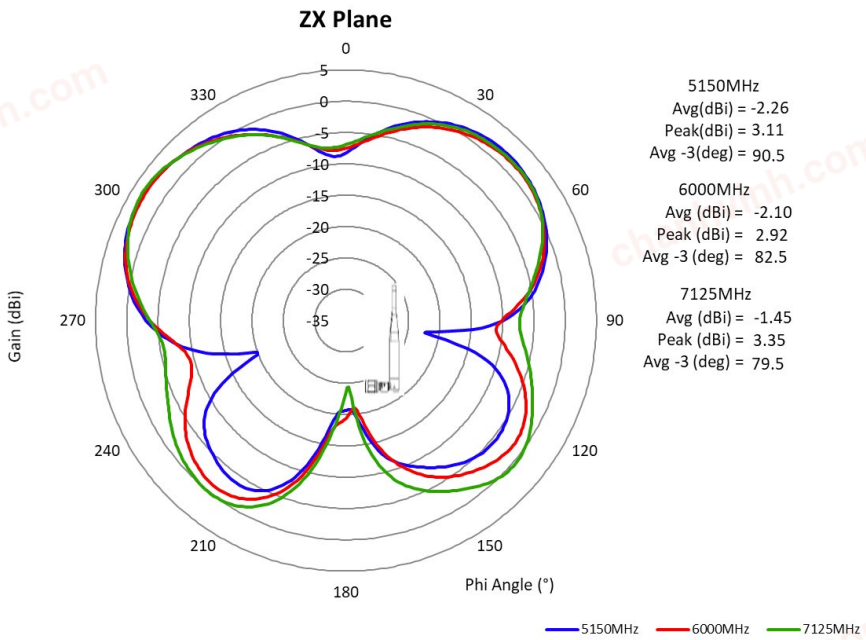
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Horizontal Plane



Vertical Plane



For More Information:

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