

External / In-building WiFi-6E Stick Antenna

W5028 and W5028RPG



 **Pulse**
a YAGEO company

- Ⓢ WiFi-6E, Zigbee, BLE/BT, DSRC V2x Communication
- Ⓢ Rugged Outdoor Systems
- Ⓢ Marine, Mining, Utility, Oil/Gas
- Ⓢ Industrial Applications
- Ⓢ Metering, Security, IoT Applications
- Ⓢ Outdoor Networking
- Ⓢ Data Transmission, Access Points

Electrical Specifications @ 25C - Operating Temperature -30C to 80C, Storage Temperature -40C to 85C

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

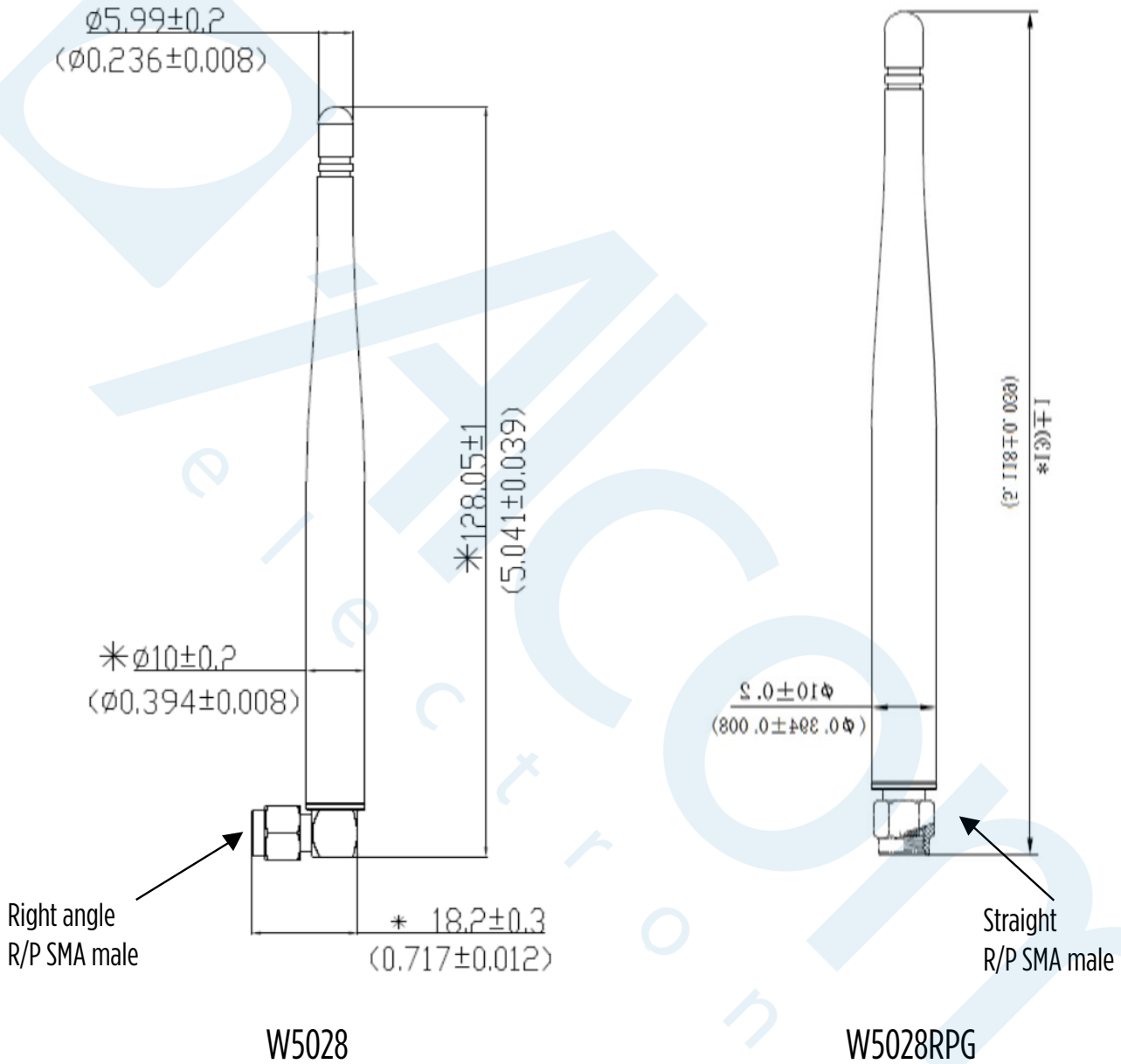
Antenna Type	Nominal Impedance	Radiation Pattern	Polarization	Power Withstanding
Stick Antenna	50Ω	Omn	Vertical	1W
Frequency		2.4-2.5GHz		5.15-7.125GHz
Return Loss		<-10dB		<-6dB
Peak Gain		1.5dBi +/- 0.5dB		2.2dBi +/- 1dB

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
W5028	128mm	Black	16.7grms	Right Angle RP SMA Male	TPEE	UL94-V0	IP65
W5028RPG	130mm		12.6grms	Straight RP SMA Male			

Mechanical

W5028x



Packaging

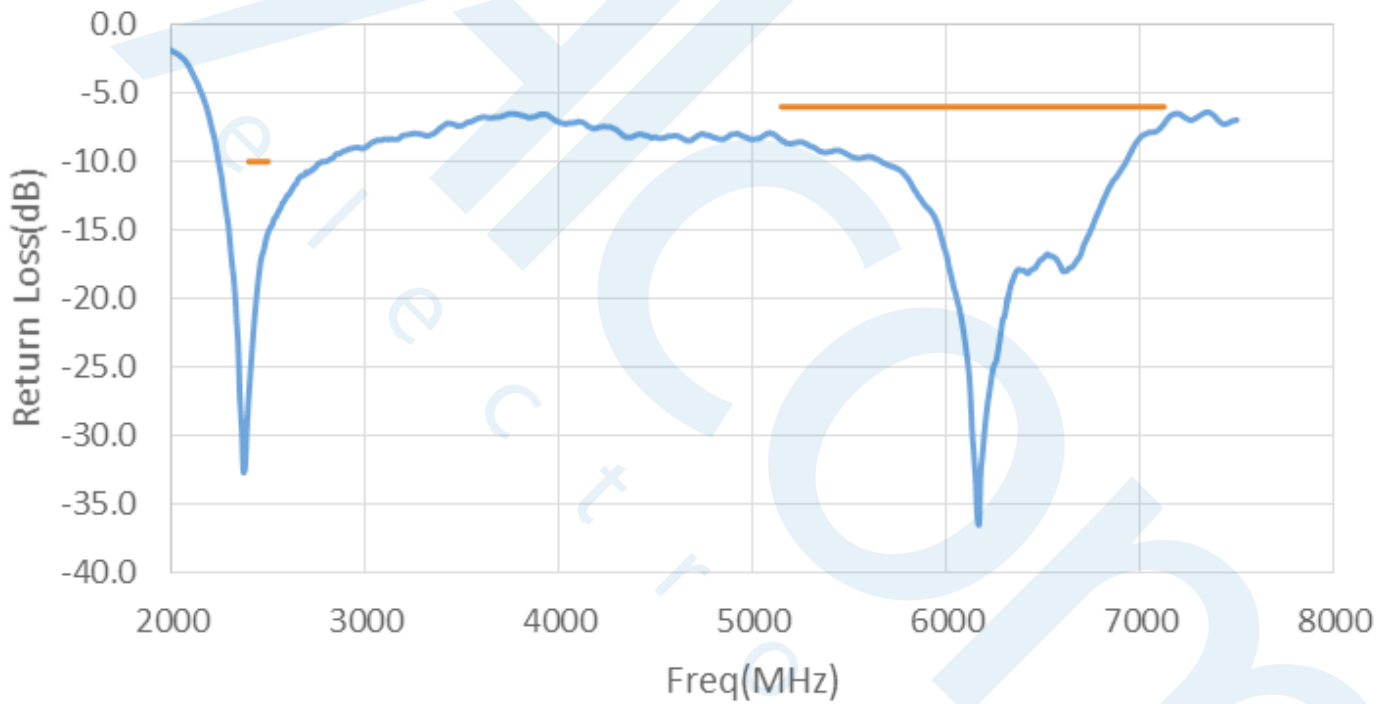
W5028x

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

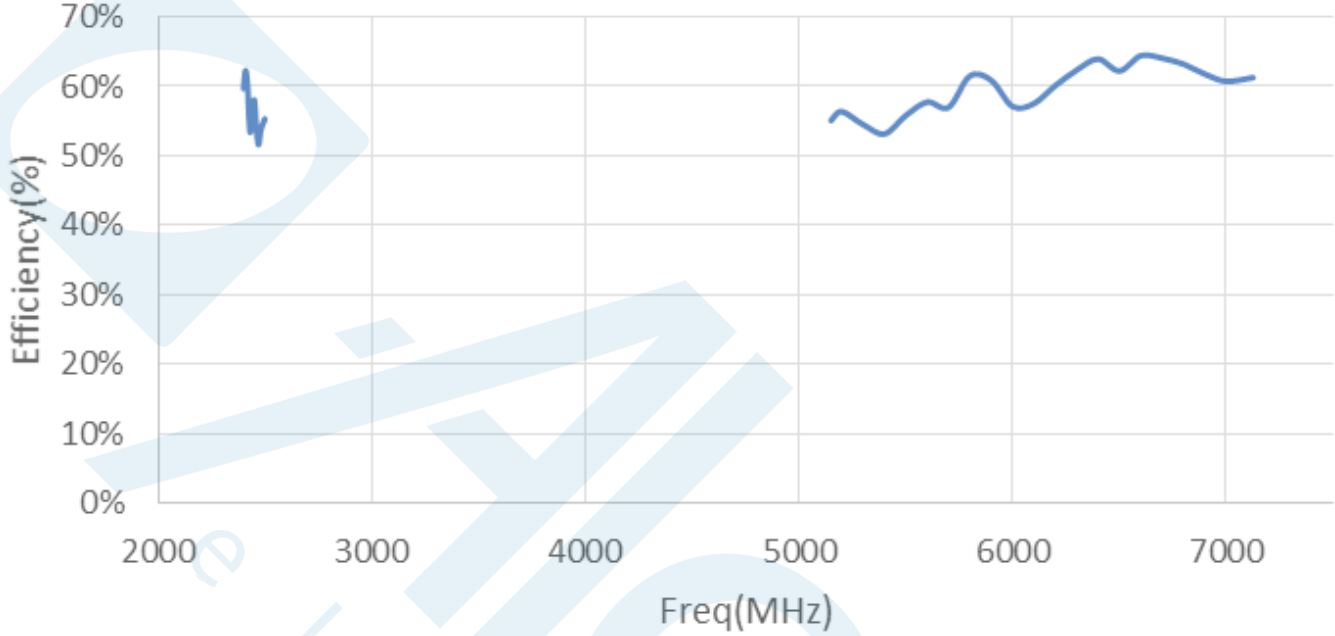
Charts

W5028x

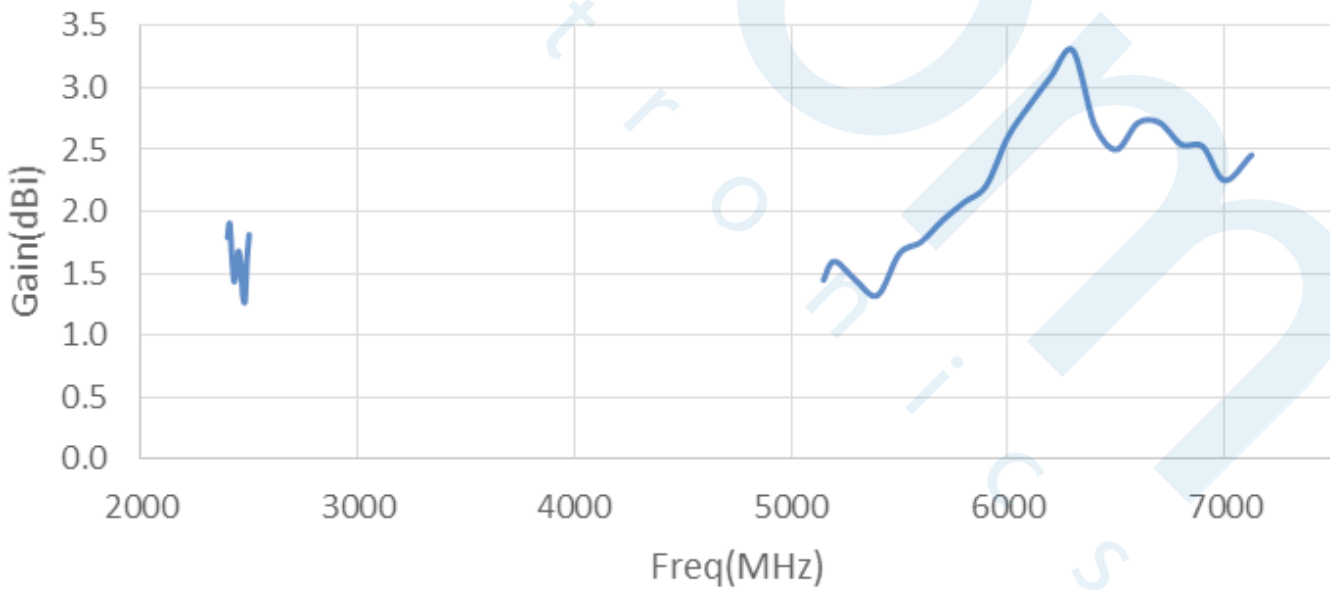
Return Loss



Efficiency(%)

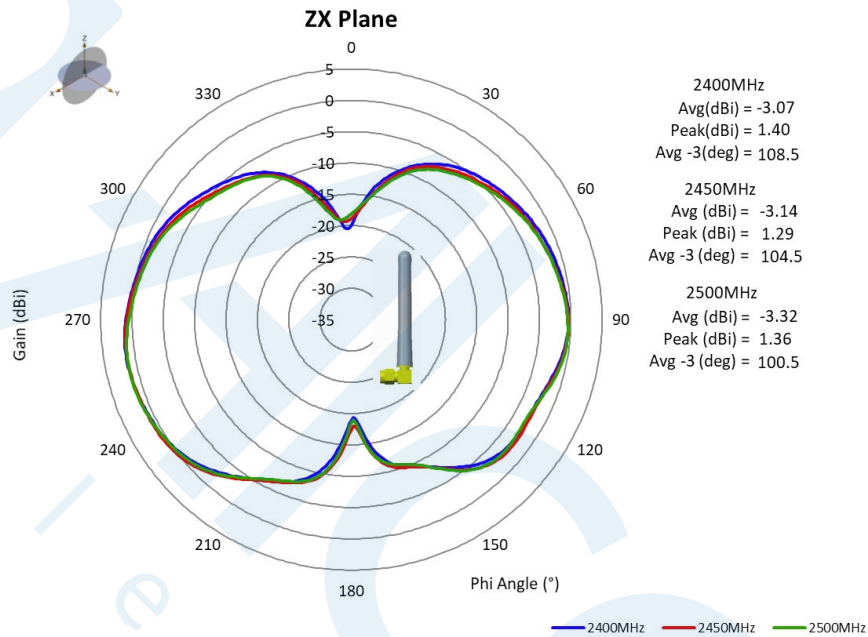


Peak Gain (dBi)

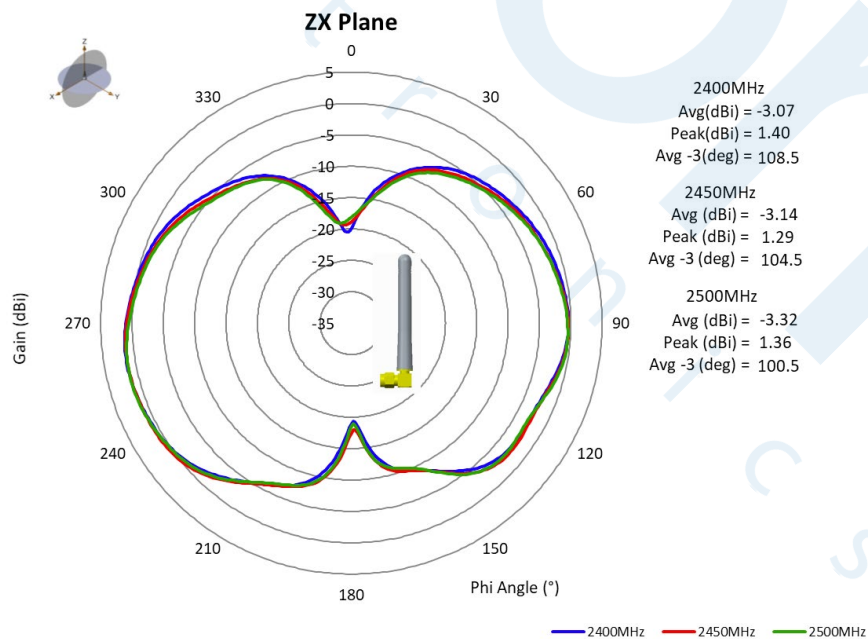


Free Space Radiation Pattern

Elevation Plane



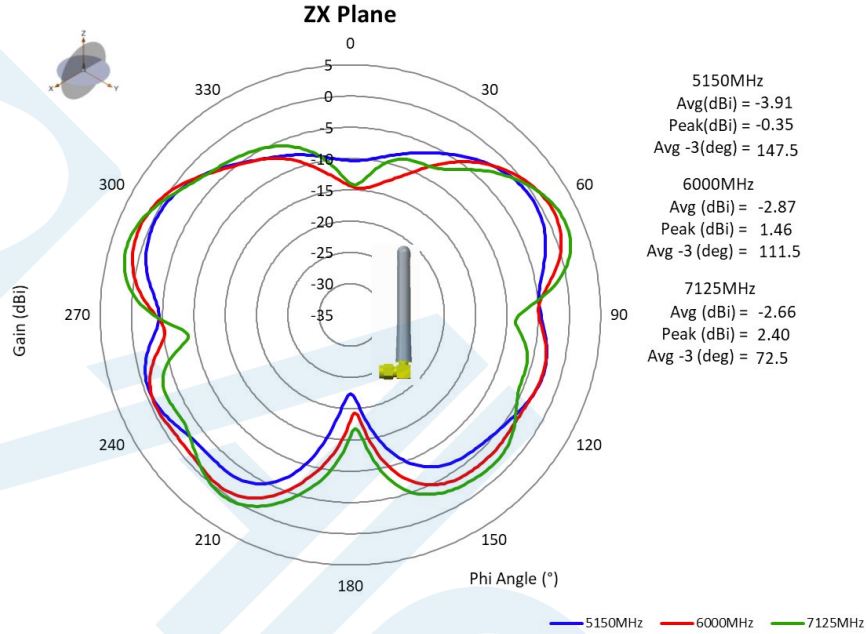
Horizontal Plane



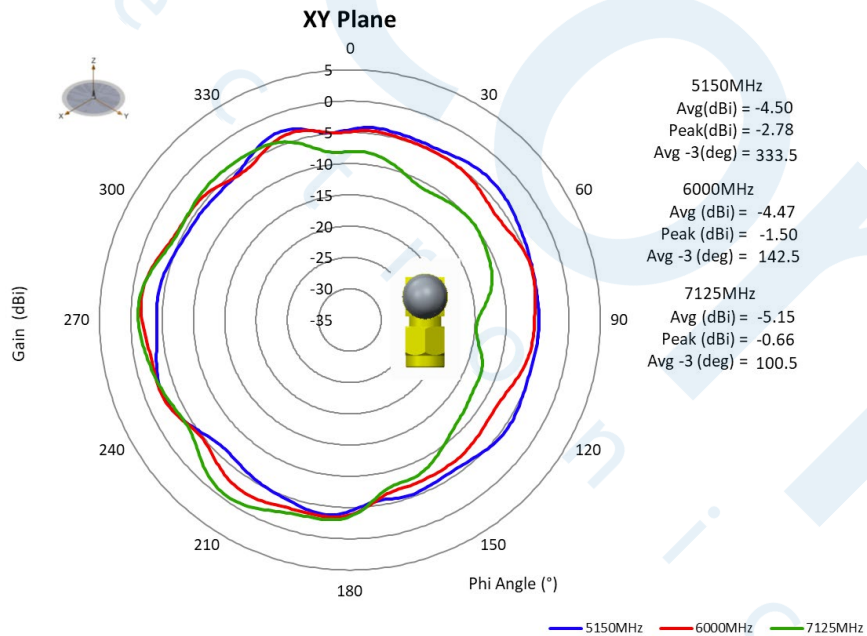
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Elevation Plane



Horizontal Plane



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