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External / In-building 5G/4G Blade Dipole Antenna

W5150 - 617 to 60000 MHz

Pulse A YAGEO Company | LARSEN Antennas



Applications:

- *5G NR FR1 radio systems*
- *LTE radios*
- *2G/3G/ Fallback*
- *Gateways, setup boxes, smart home, industrial IoT*
- *Optimized for straight and 90° bent positions*

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Frequency Bands - 617-960/1430-6000 MHz MHz

Antenna Type	Nominal Impedance	Return Loss	Radiation Pattern	Polarization	Power Withstanding
Blade Antenna	50Ω	<-5 dB	Omni	Vertical	3W

Frequency	617-960MHz	1430-3500MHz	3500-6000MHz
Gain	1.2 dBi +/- 1.2dB	2.5 dBi +/- 1.5dB	5.5 dBi +/- 3.5dB
Average Efficiency	45%	65%	70%

Mechanical Specifications

Orderable PN: W5150

Size - (LxWxTh)	Color	Weight	Connector Type	Cable Type	Cable Length	Fixing System
229 x 30.5 x 11.0mm	Black	56.8grms	SMA Male	N/A	N/A	Swivel mount
Plastic Radome	Flammability	Ingress Protection	Position			
ABS/PC	UL94-V0	IP65	0°,45°,90°			

Environmental Specifications

Temperature Shock	Humidity Cycling	Vibration	Mechanical Shock	Drop Test
3 cycles -25C to 70°C at 5°C/min	Mil-Std-810 Method 507.3 Procedure III 5 cycles @ 95% RH	5-500 Hz Freq Mil Std 810 G s 514.4	4.78 m/s	1 meter 10x to tile

Notes:

1. Storage Temperature: -40°C to 85°C

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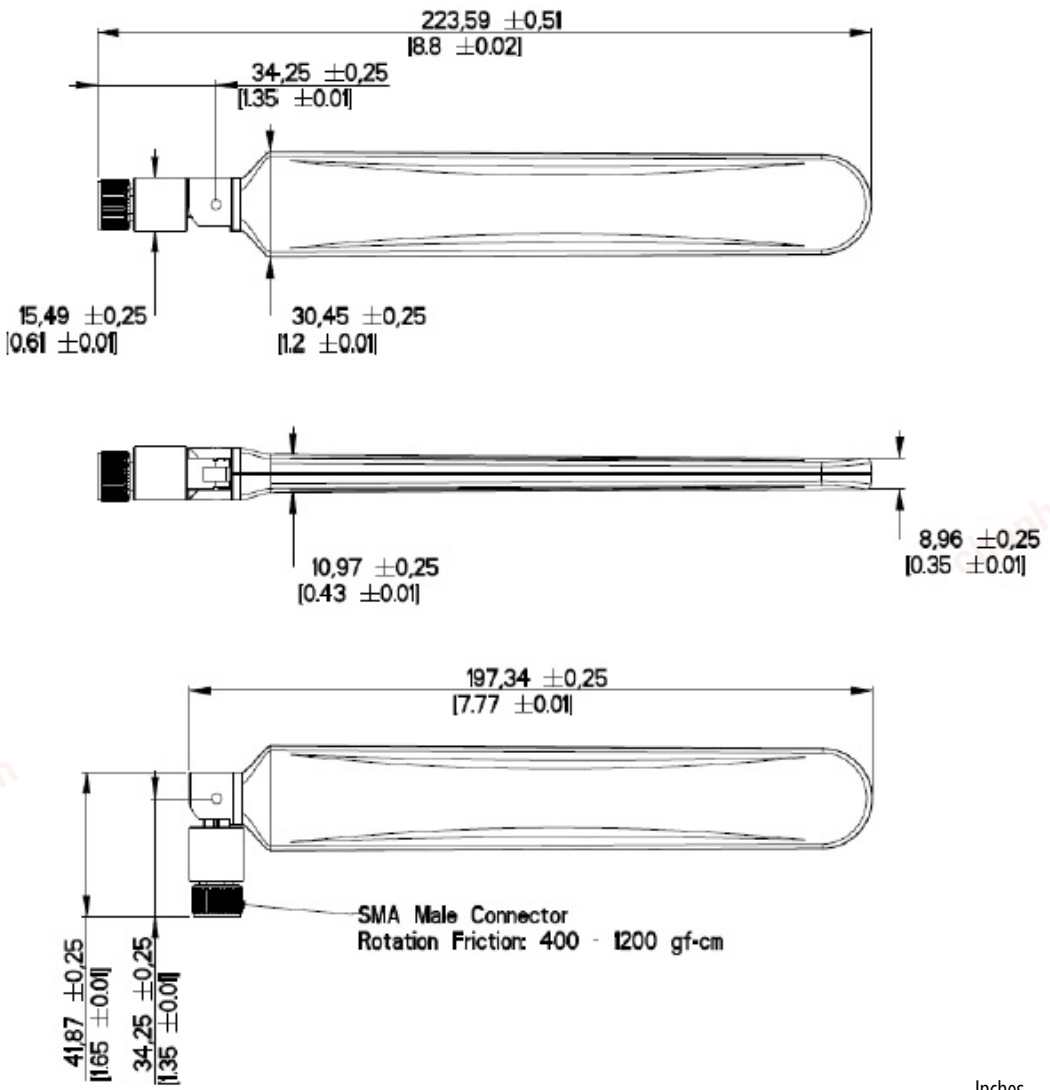
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Mechanical

W5150



Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

Packaging Info:
1PCS/PE bag
100PCS/Carton box

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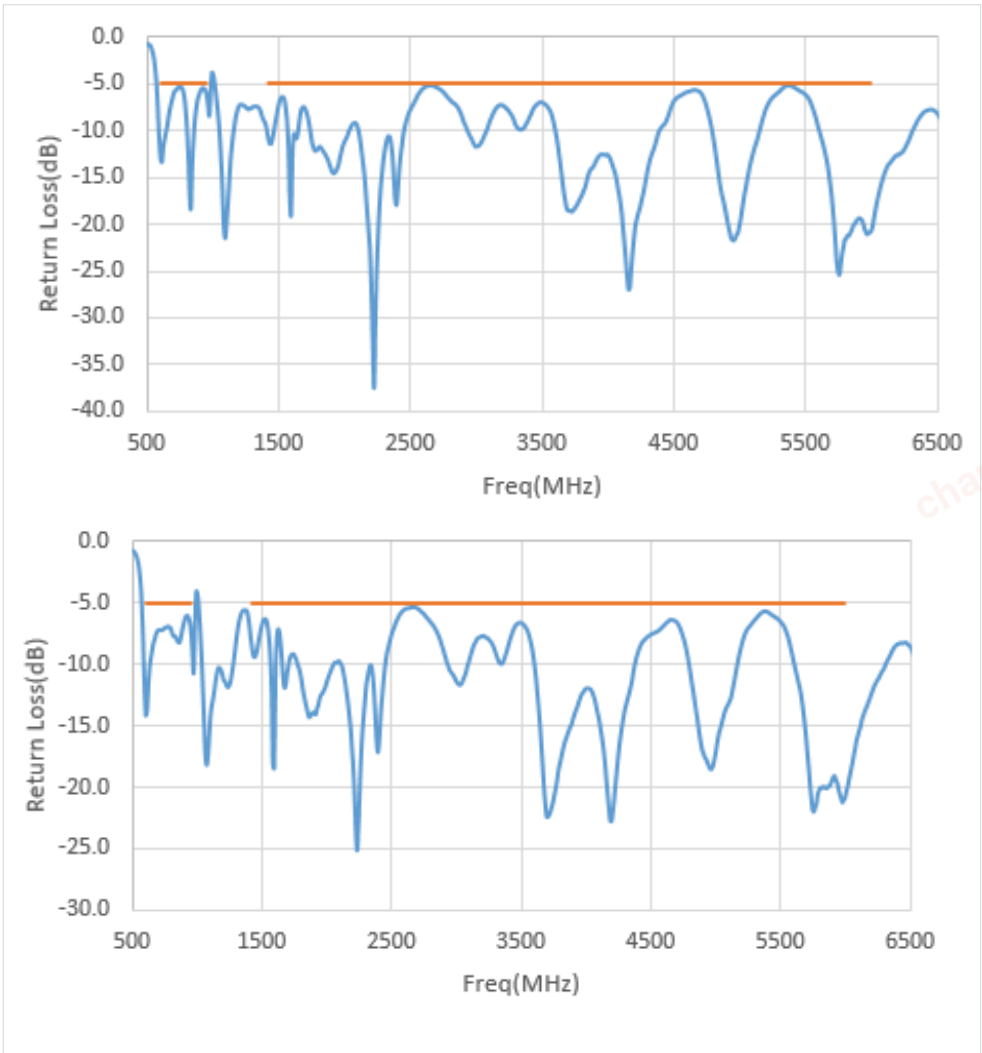
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Charts

W5150

Return Loss

Straight



Bending

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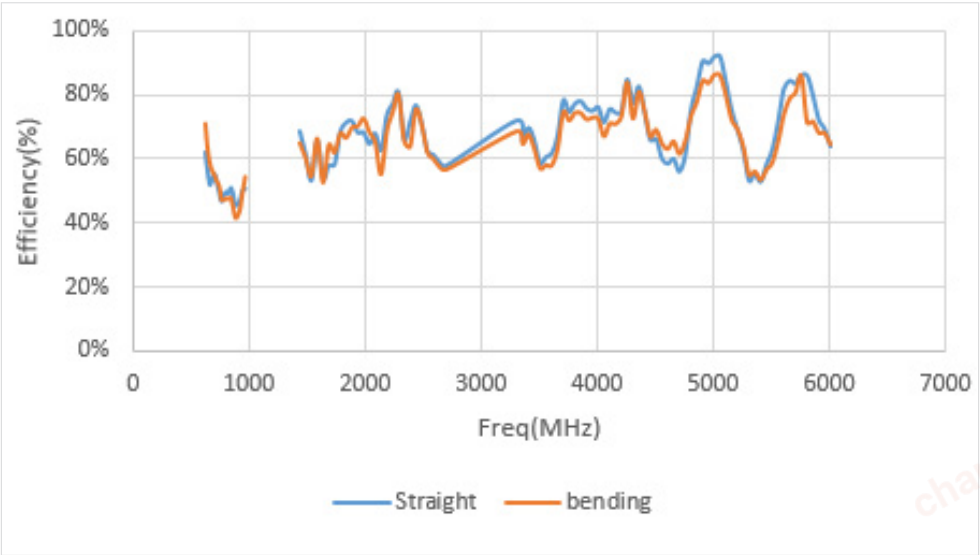
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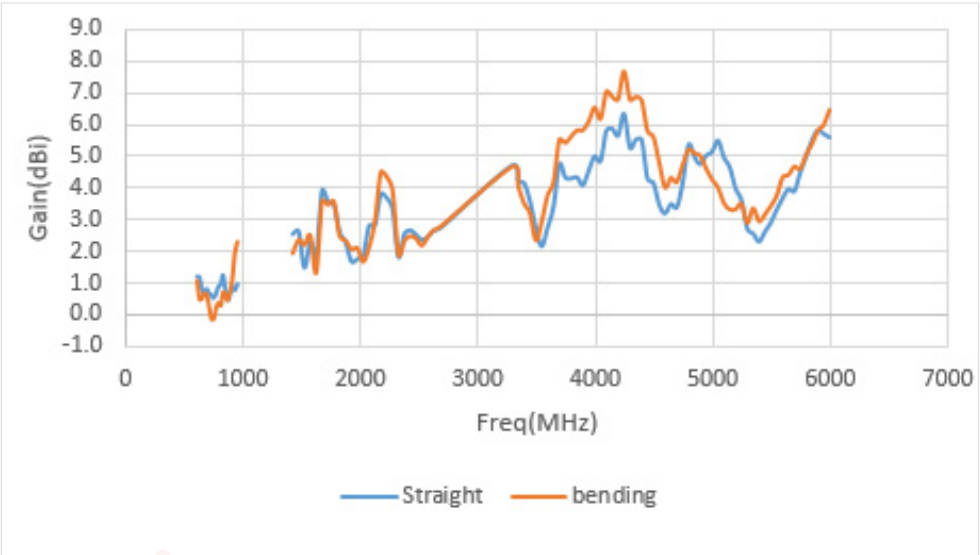
Charts

W5150

Average Efficiency



Peak Gain



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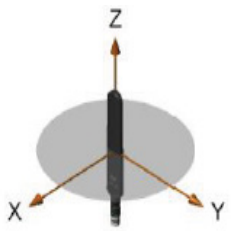
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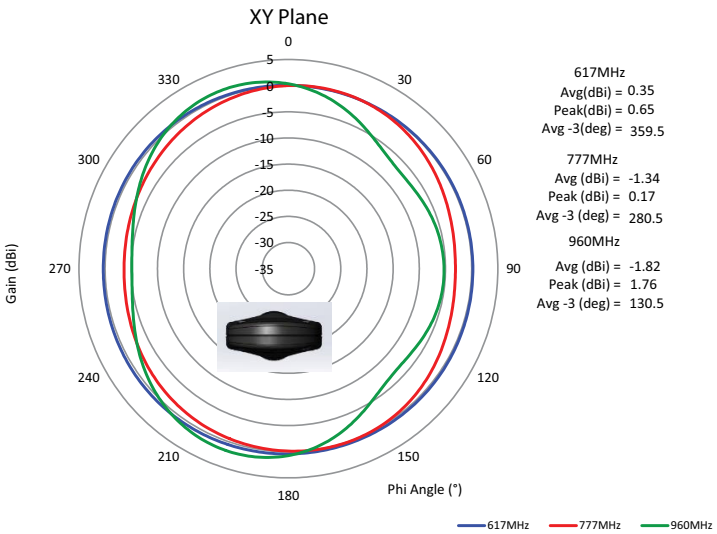
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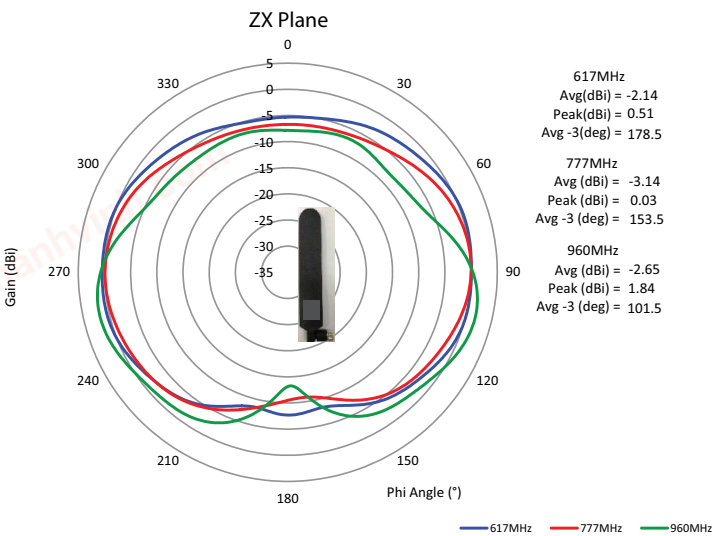
Charts

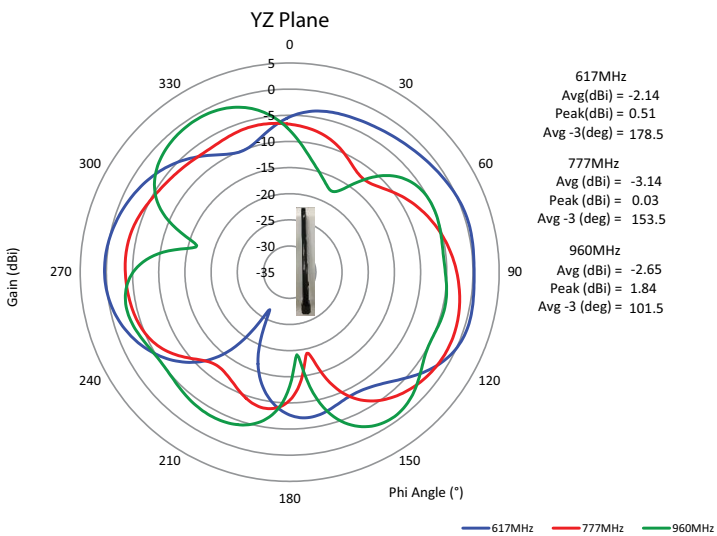
617MHz - 960MHz

Gain Plots (Bend)









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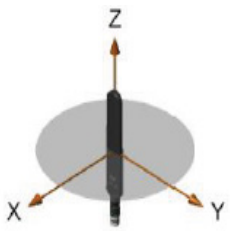
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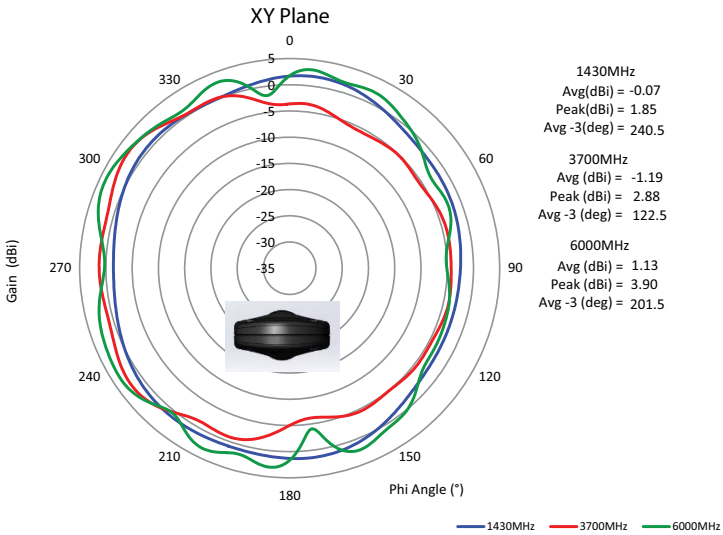
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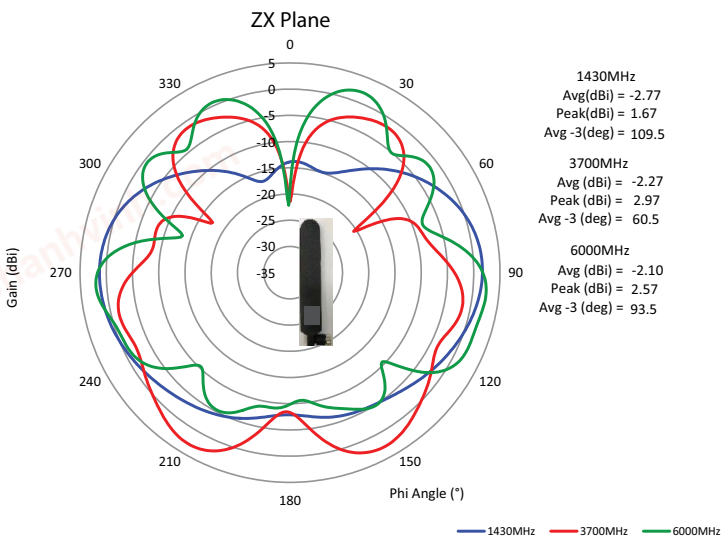
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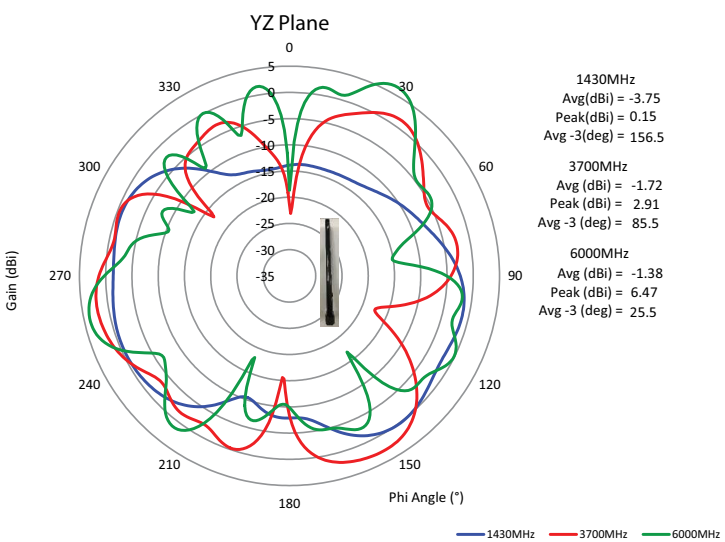
1400MHz - 6000MHz

Gain Plots (Bend)









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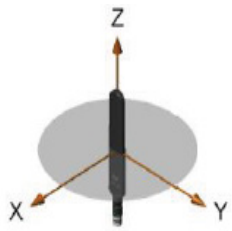
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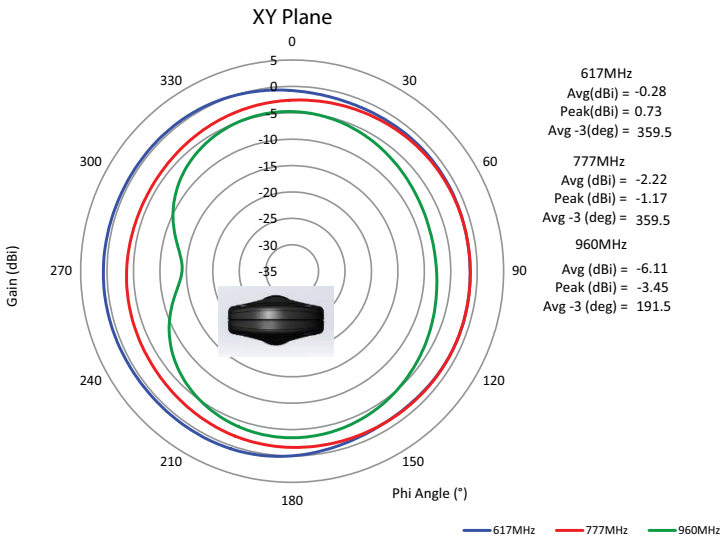
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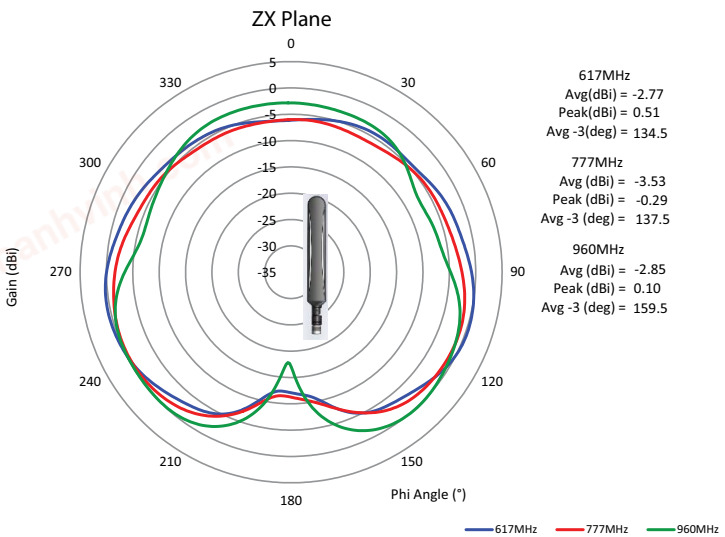
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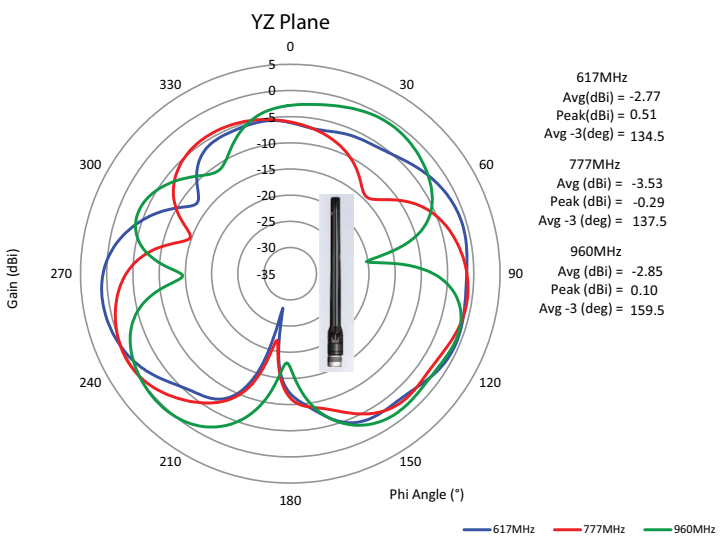
617MHz - 960MHz

Gain Plots (Straight)









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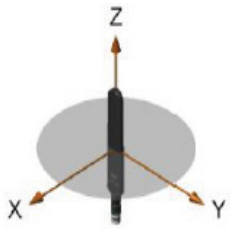
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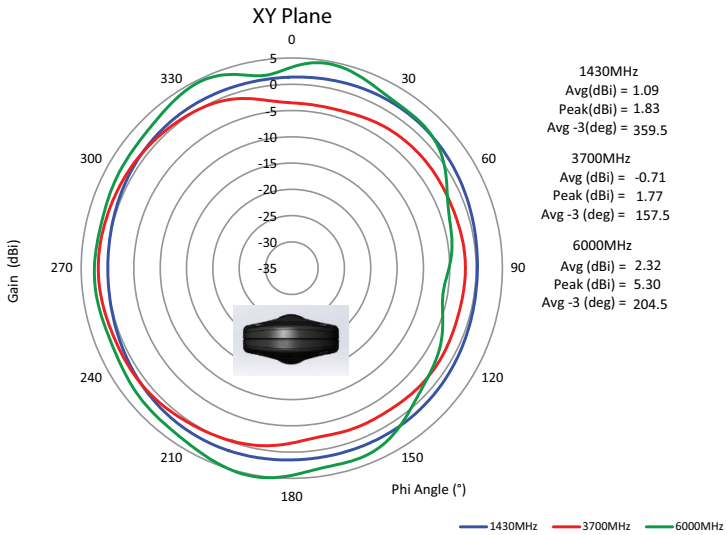
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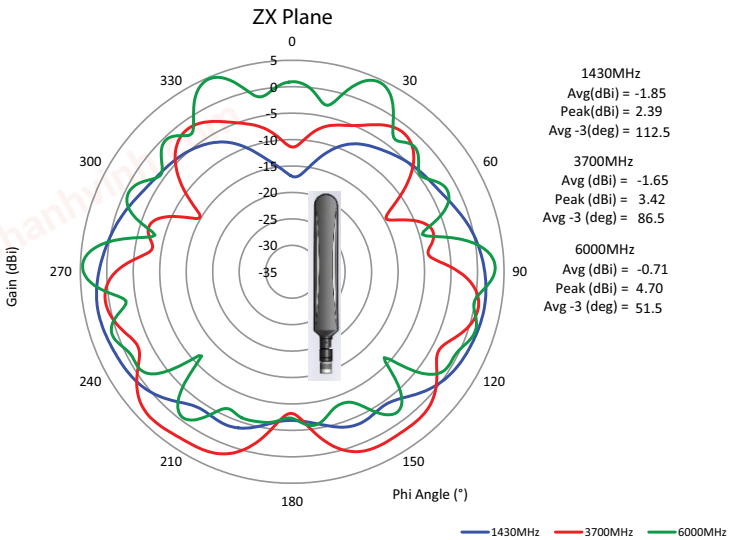
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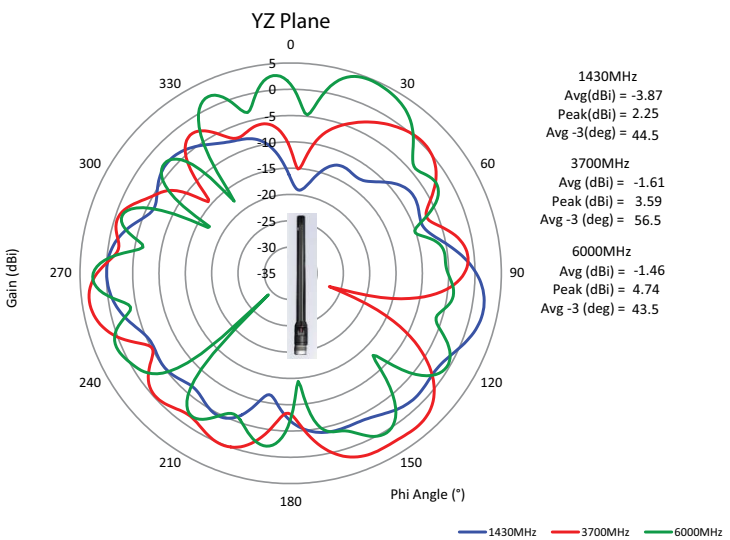
1430MHz - 6000MHz

Gain Plots (Straight)









For More Information:

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