

Description: 617-960/1710-3300MHz Right Angle Stick Antenna

Series: External Antenna

PART NUMBER: W1903

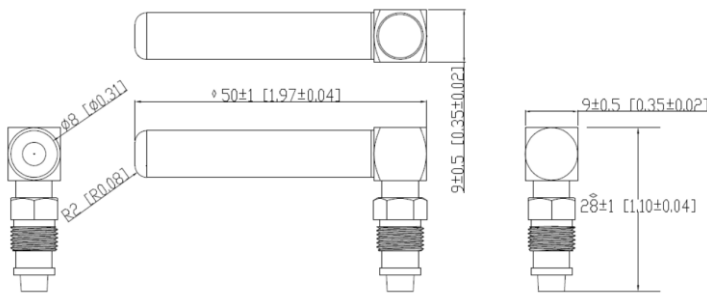


Features:

- Wide band monopole
- Gain 3 dBi
- Power Rating 2W
- Length 50mm
- Connector Right Angle FME Female
- RoHS Compliant

Applications:

- Indoor applications
- 2G, 3G, 4G, 5G Cellular
- Nb-IoT, M2M
- LoRa, SigFox
- Metering
- Industry automation & controls
- Energy monitoring



All dimensions are in mm / inches

Issue: 2307

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**Description: 617-960/1710-3300MHz Right
Angle Stick Antenna****Series: External Antenna****PART NUMBER: W1903****ELECTRICAL SPECIFICATIONS**

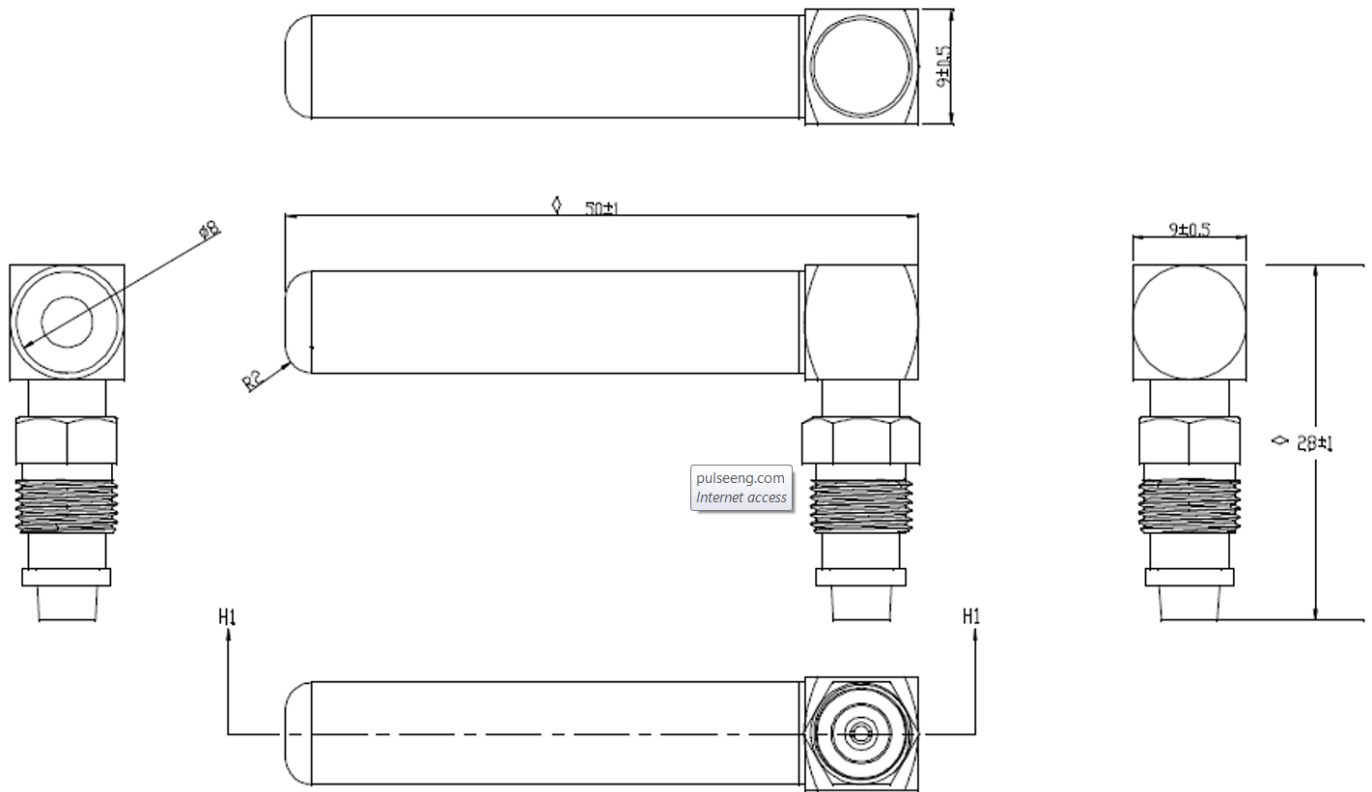
Frequency	617-960/1710-3300	MHz
Nominal Impedance	50	Ω
Return loss	-4.5	dB(max)
Average efficiency(617-960MHz)	62	%
Average efficiency(1710-3300MHz)	70	%
Peak Gain (617-960MHz)	3	dBi +/- 1 dB
Peak Gain (1710-3300MHz)	3.5	dBi +/- 2 dB
Polarization:	Vertical	
Power withstanding	2	W

**Description: 617-960/1710-3300MHz Right
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Plastic radome	PC+PBT	
Color	Black	
Weight	12.05	g
Overall Length	50[1.97]	MM[INCHES]

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-30/+75	° C
Temperature cycling test	-35/+80	° C
Salt mist	24	hours
IP rating	IP54	

**Description: 617-960/1710-3300MHz Right
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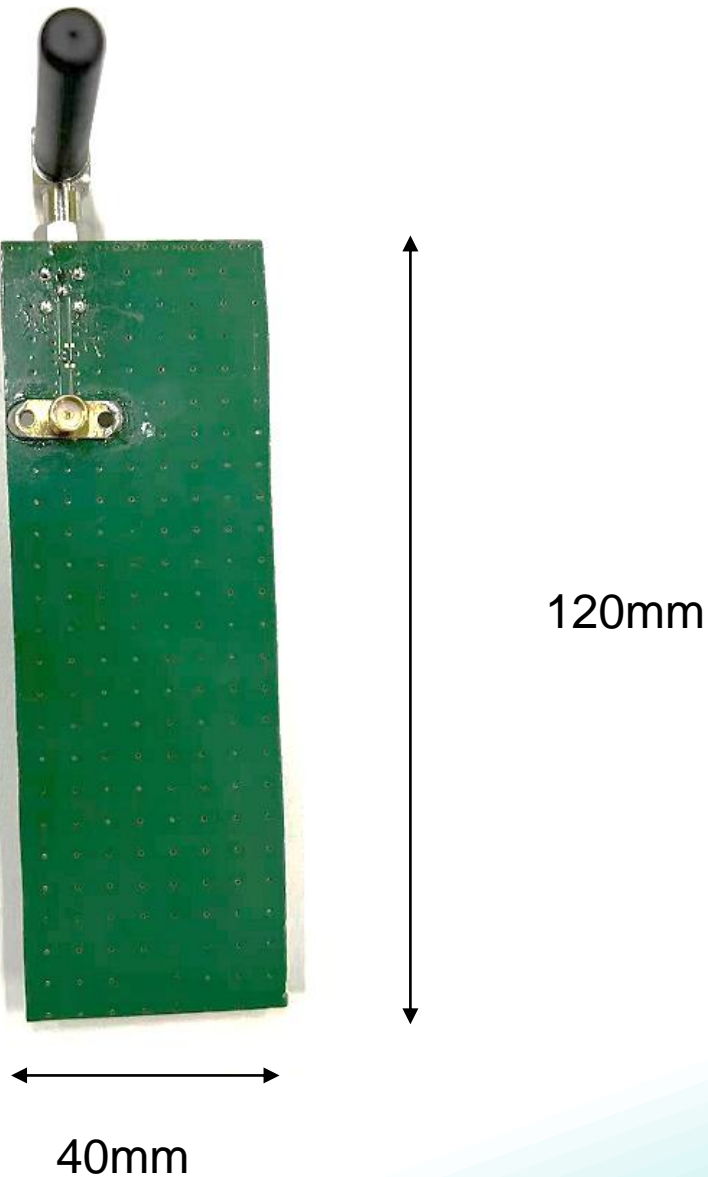
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CHARTS

Test setup



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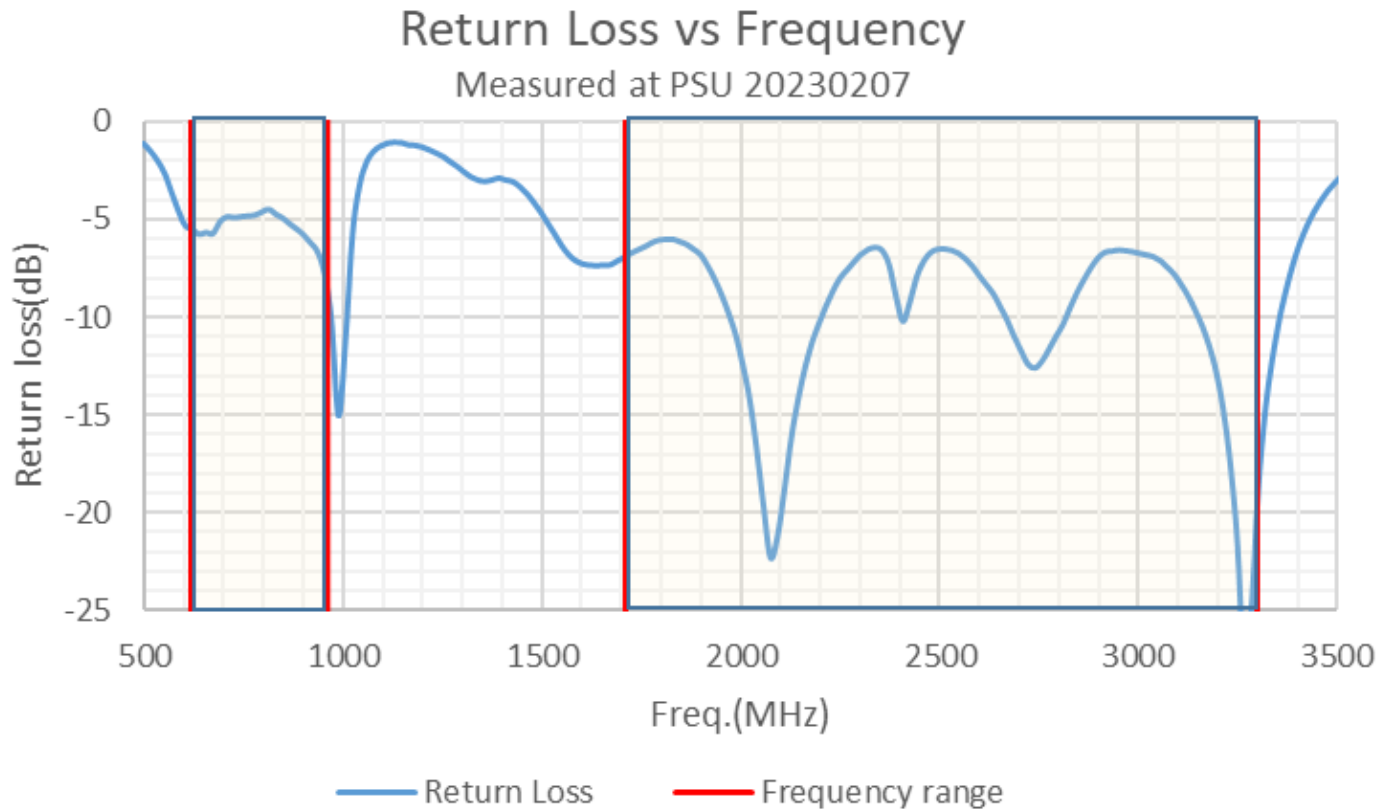
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CHARTS

Return loss



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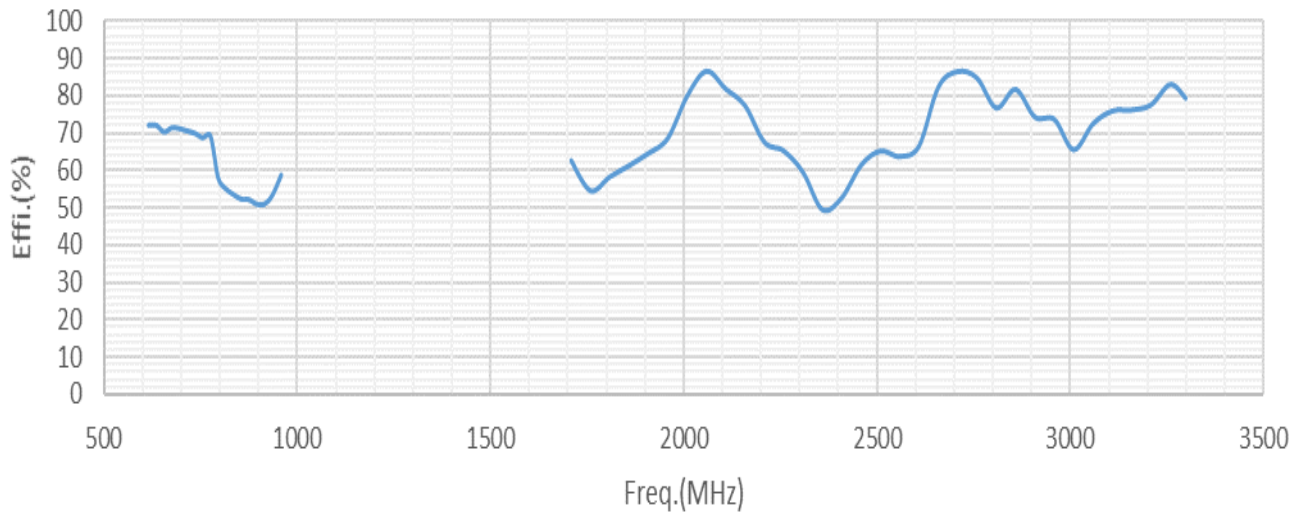
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Description: 617-960/1710-3300MHz Right Angle Stick Antenna**Series: External Antenna****PART NUMBER: W1903****CHARTS****Efficiency****Efficiency vs Frequency**

Measured at PSU 20230207



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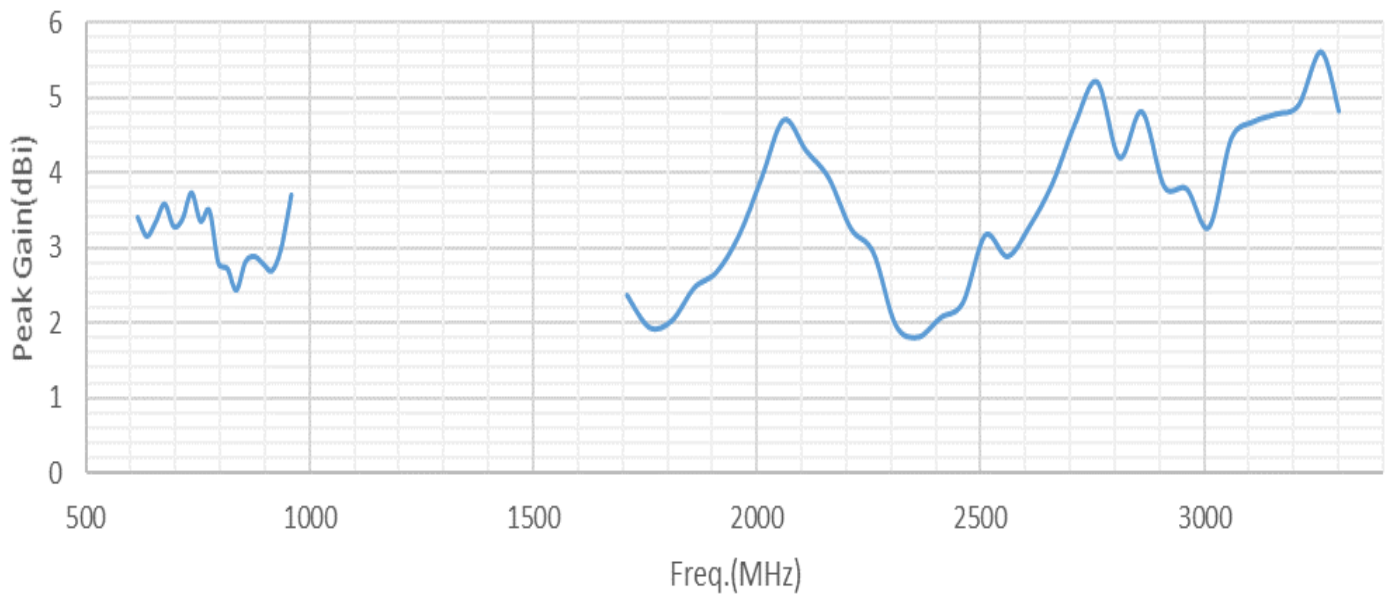
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CHARTS

Peak Gain

Peak Gain vs Frequency

Measured at PSU 20230202



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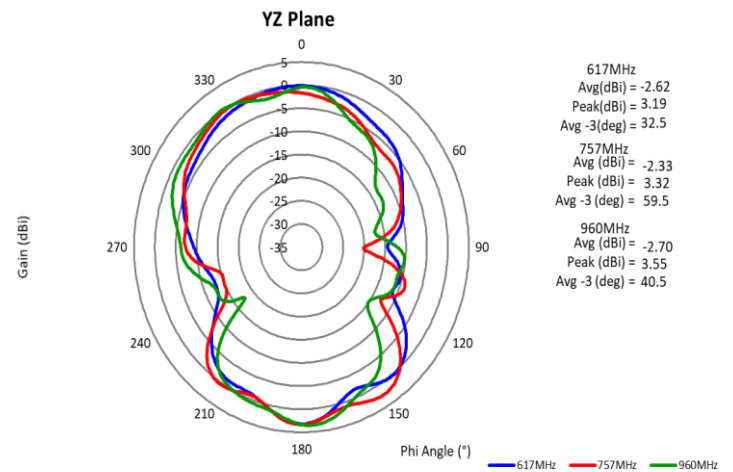
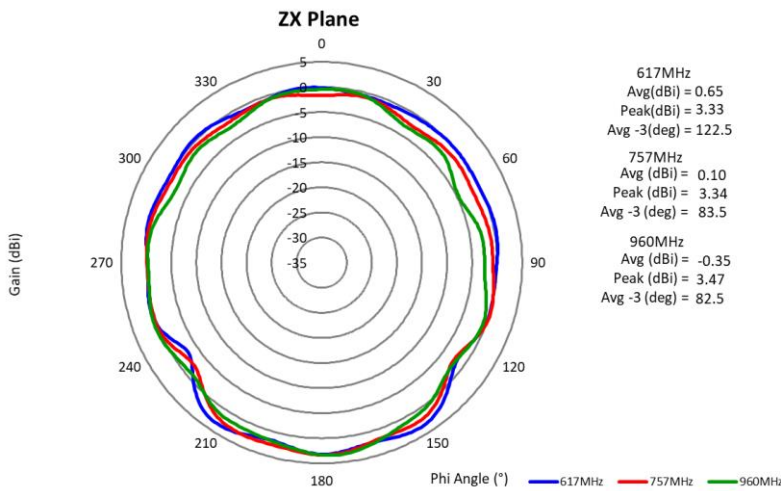
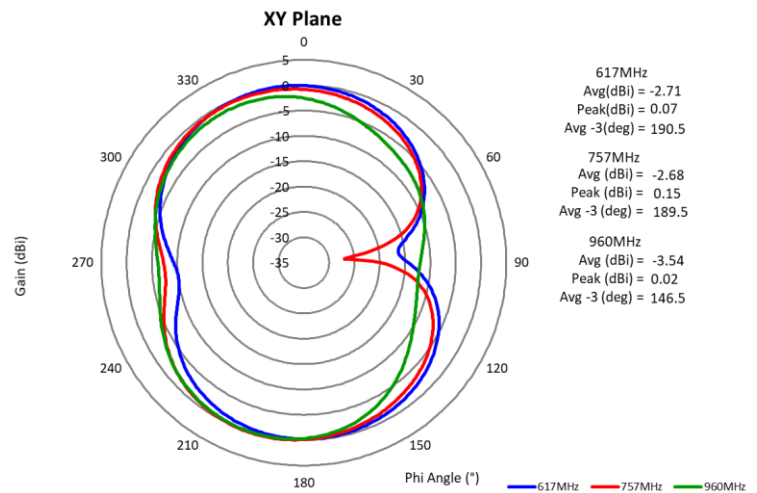
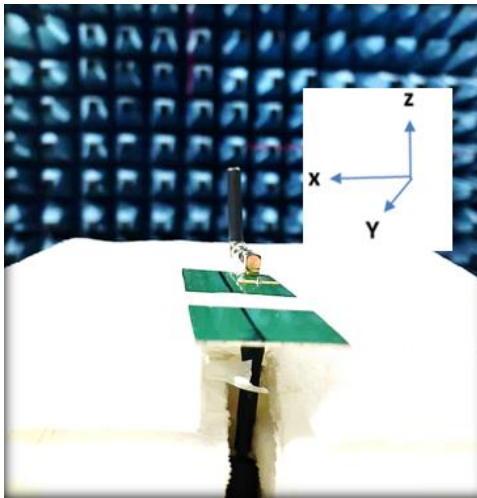
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CHARTS

Gain Plots



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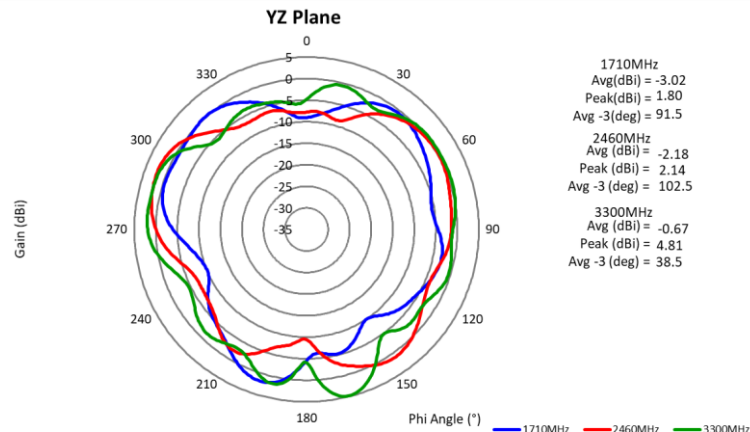
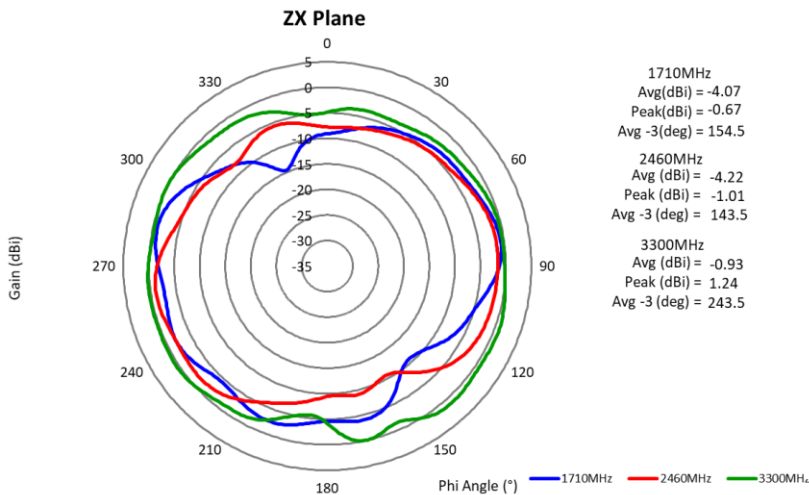
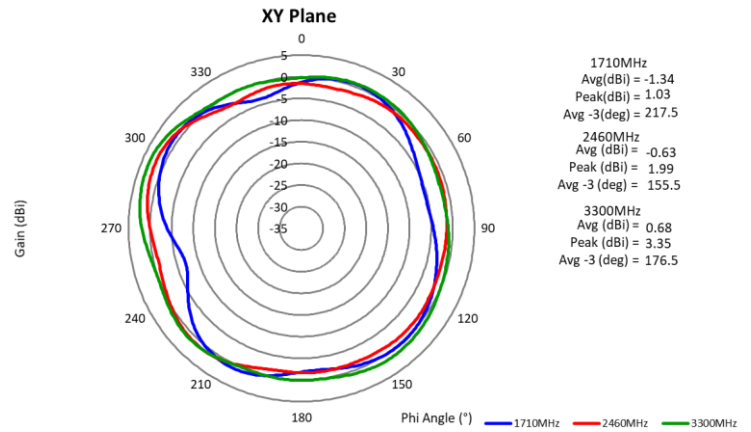
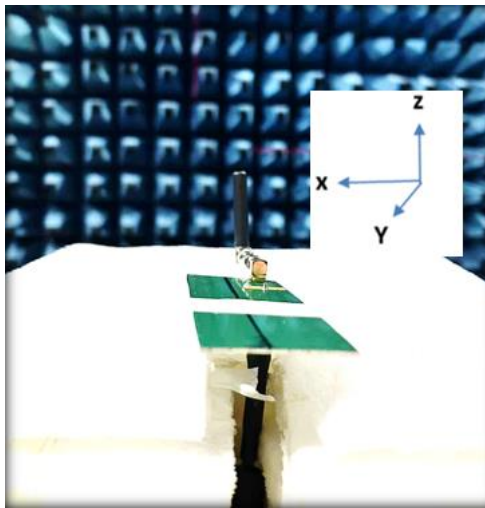
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CHARTS

Gain Plots



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PACKAGING

1PCS/PE bag
40PCS/Tray
8Tray/Carton box
320PCS/Carton box



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