

TECHNICAL DATA SHEET

Description: 617-960/1710-3300MHz Right

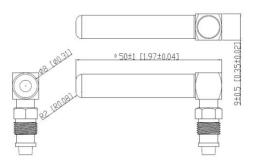
Angle Stick Antenna

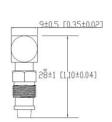
PART NUMBER: W1903



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

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION

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Angle Stick Antenna

PART NUMBER: W1903

Series: External Antenna

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	



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MECHANICAL SPECIFICATIONS			
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			



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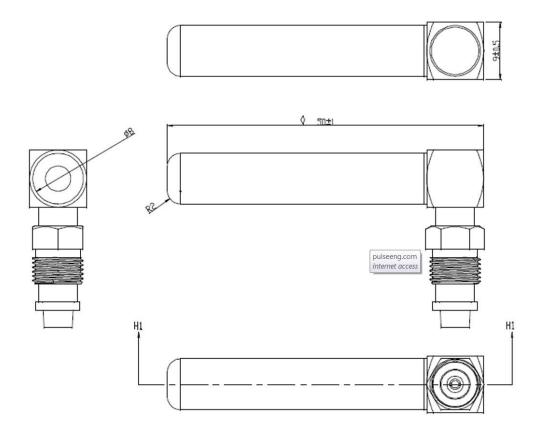
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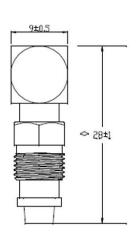
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MECHANICAL DRAWING







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CHARTS

Test setup



120mm

40mm



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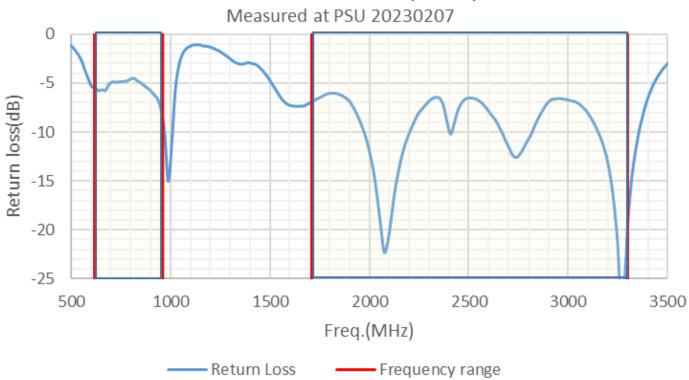
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CHARTS

Return loss

Return Loss vs Frequency









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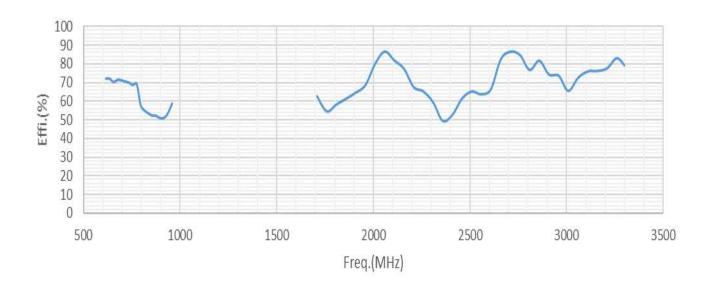
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CHARTS

Efficiency

Efficiency vs Frequency Measured at PSU 20230207





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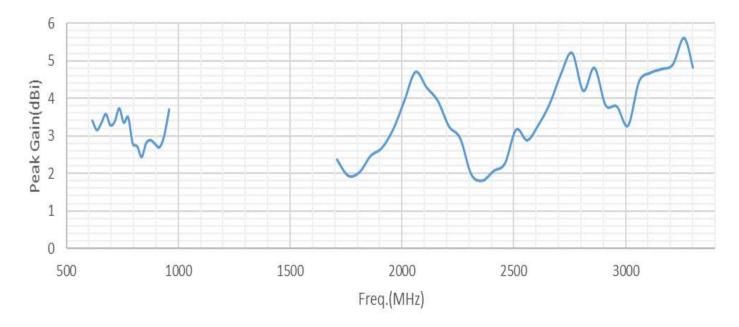
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CHARTS

Peak Gain

Peak Gain vs Frequency

Measured at PSU 20230202









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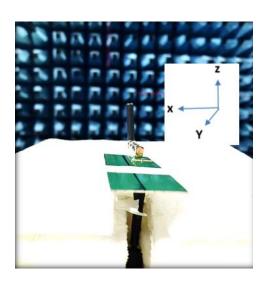
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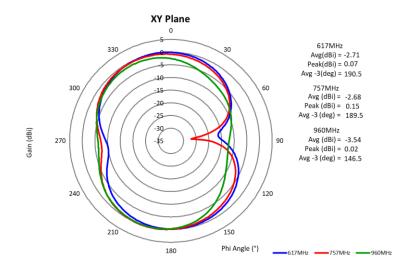
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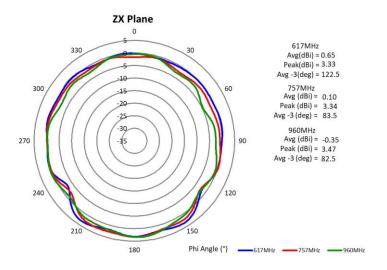
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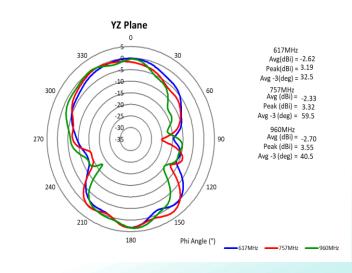
CHARTS

Gain Plots









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ROHS



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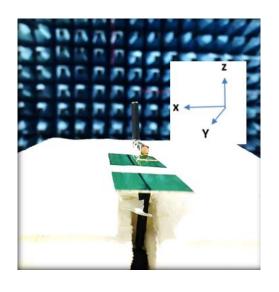
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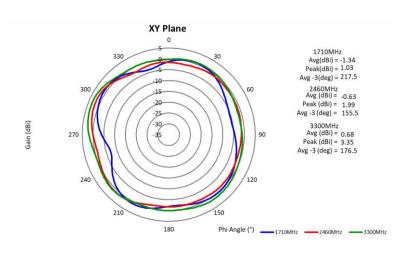
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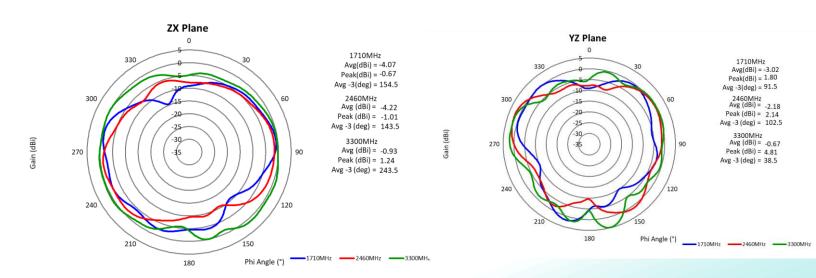
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PACKAGING

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



