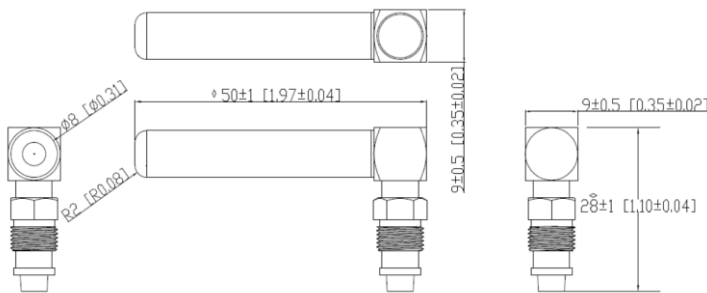


**Description: 617-960/1710-3300MHz Right Angle Stick Antenna****Series: External Antenna****PART NUMBER: W1903****Features:**

- 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

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Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998



**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                | $\Omega$     |
| 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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**Description: 617-960/1710-3300MHz Right  
Angle Stick Antenna****Series: External Antenna****PART NUMBER: W1903****MECHANICAL SPECIFICATIONS**

|                |          |            |
|----------------|----------|------------|
| Plastic radome | PC+PBT   |            |
| Color          | Black    |            |
| Weight         | 12.05    | g          |
| Overall Length | 50[1.97] | MM[INCHES] |

**ENVIRONMENTAL SPECIFICATIONS**

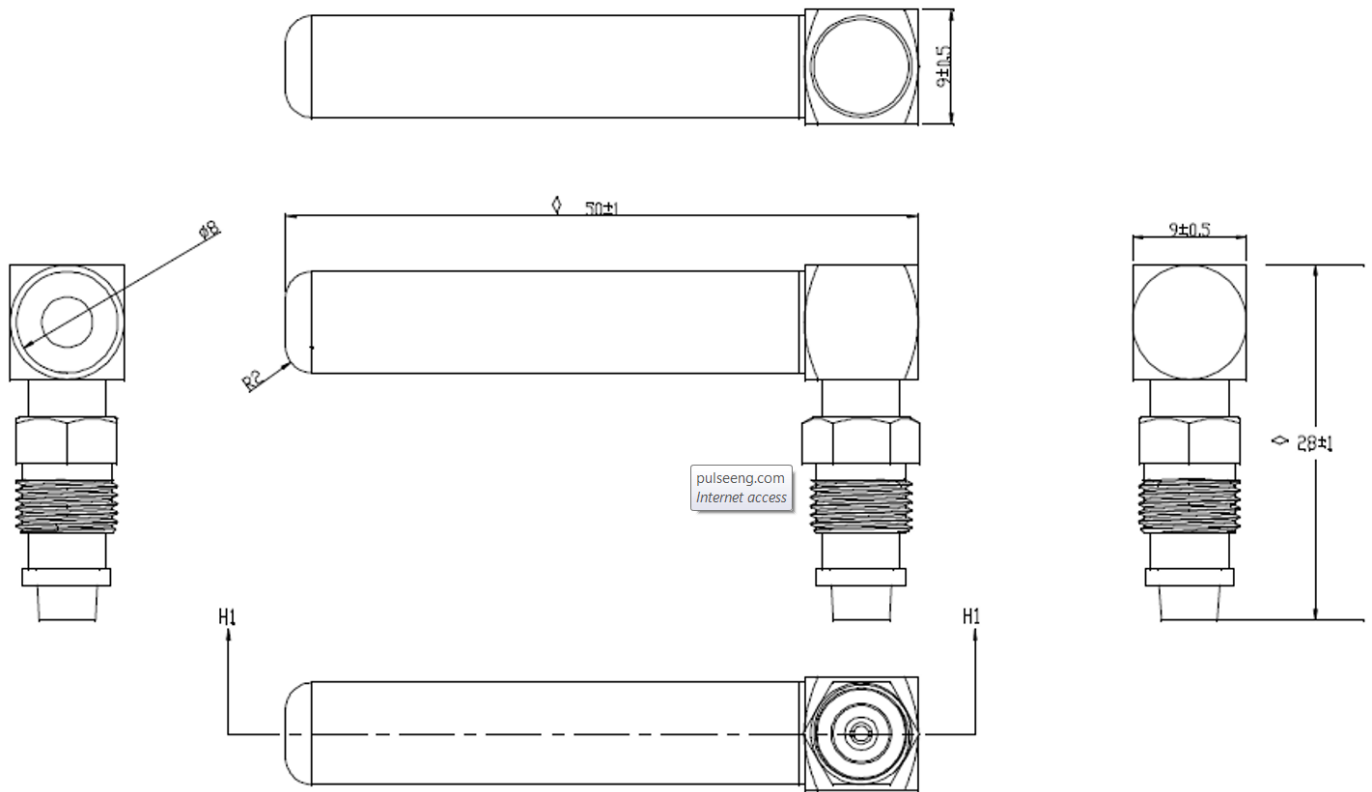
|                          |         |       |
|--------------------------|---------|-------|
| Operating temperature    | -30/+75 | ° C   |
| Temperature cycling test | -35/+80 | ° C   |
| Salt mist                | 24      | hours |
| IP rating                | IP54    |       |

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

Issue: 2307

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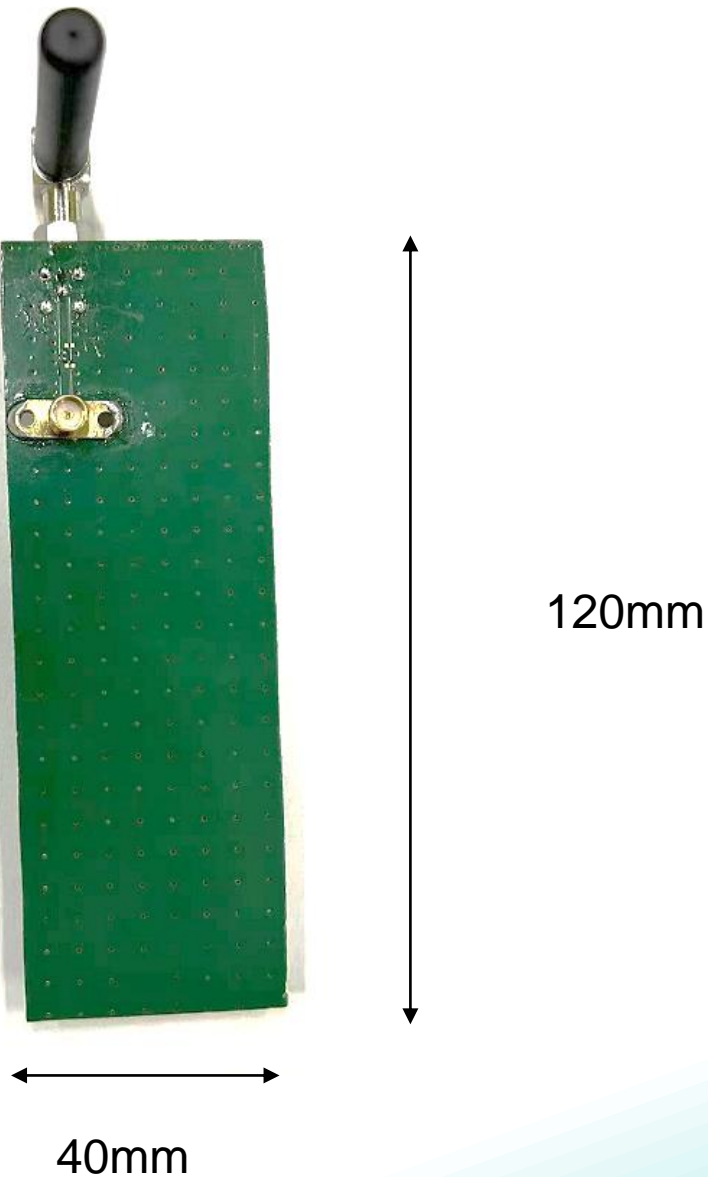
Description: 617-960/1710-3300MHz Right Angle Stick Antenna

Series: External Antenna

PART NUMBER: W1903

CHARTS

Test setup

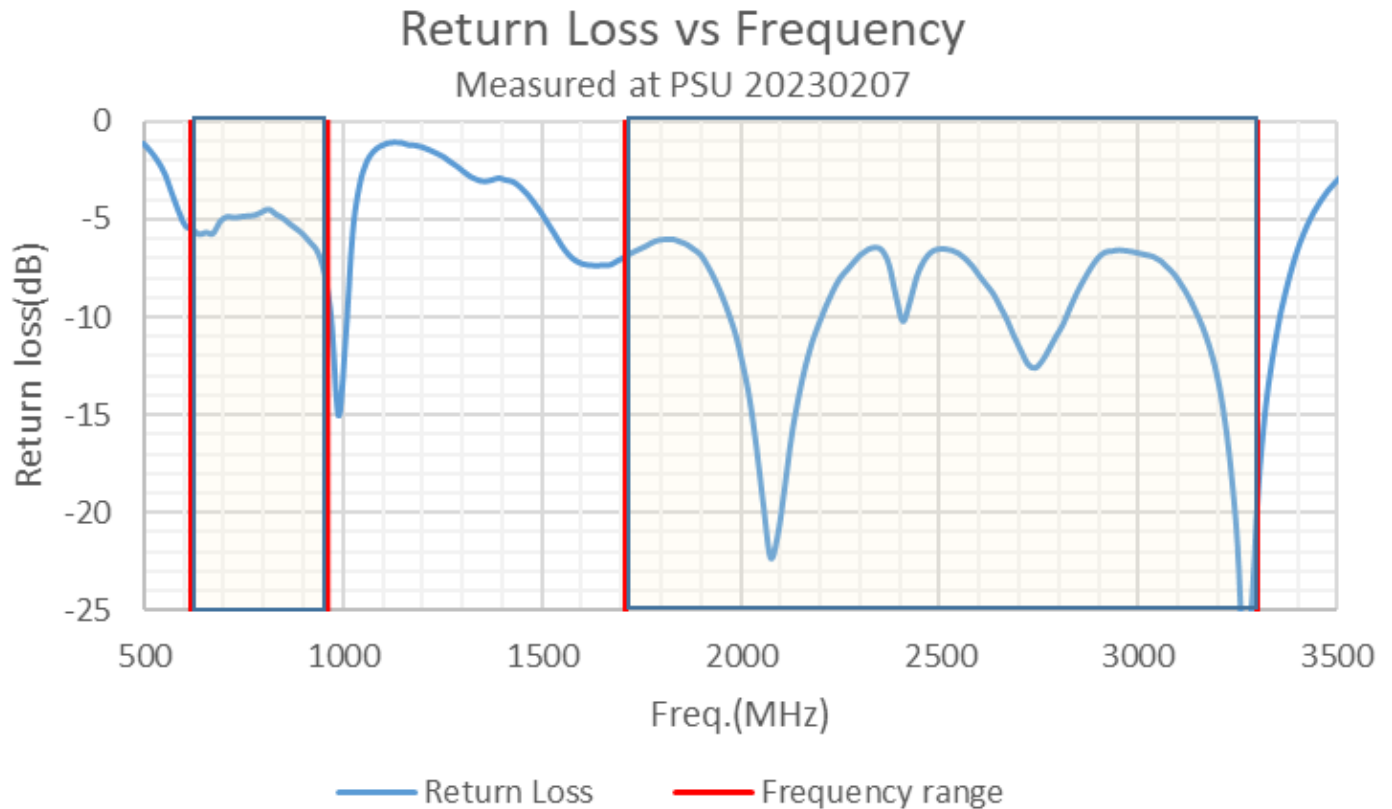


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**Description: 617-960/1710-3300MHz Right Angle Stick Antenna****Series: External Antenna****PART NUMBER: W1903****CHARTS****Return loss**

Issue: 2307

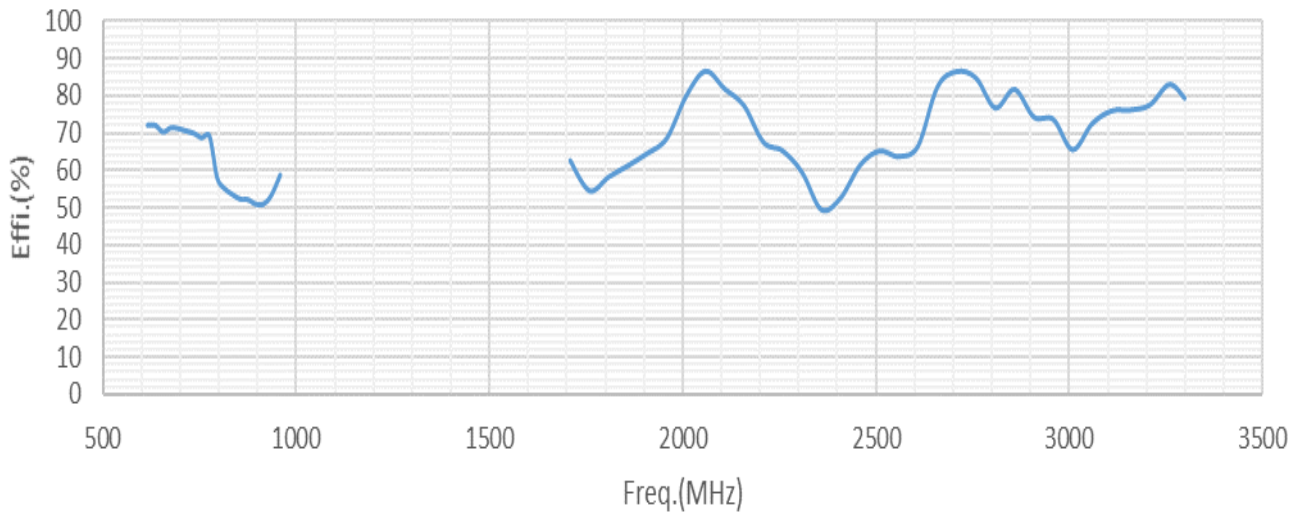
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**Description: 617-960/1710-3300MHz Right Angle Stick Antenna****Series: External Antenna****PART NUMBER: W1903****CHARTS****Efficiency****Efficiency vs Frequency**

Measured at PSU 20230207



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

Series: External Antenna

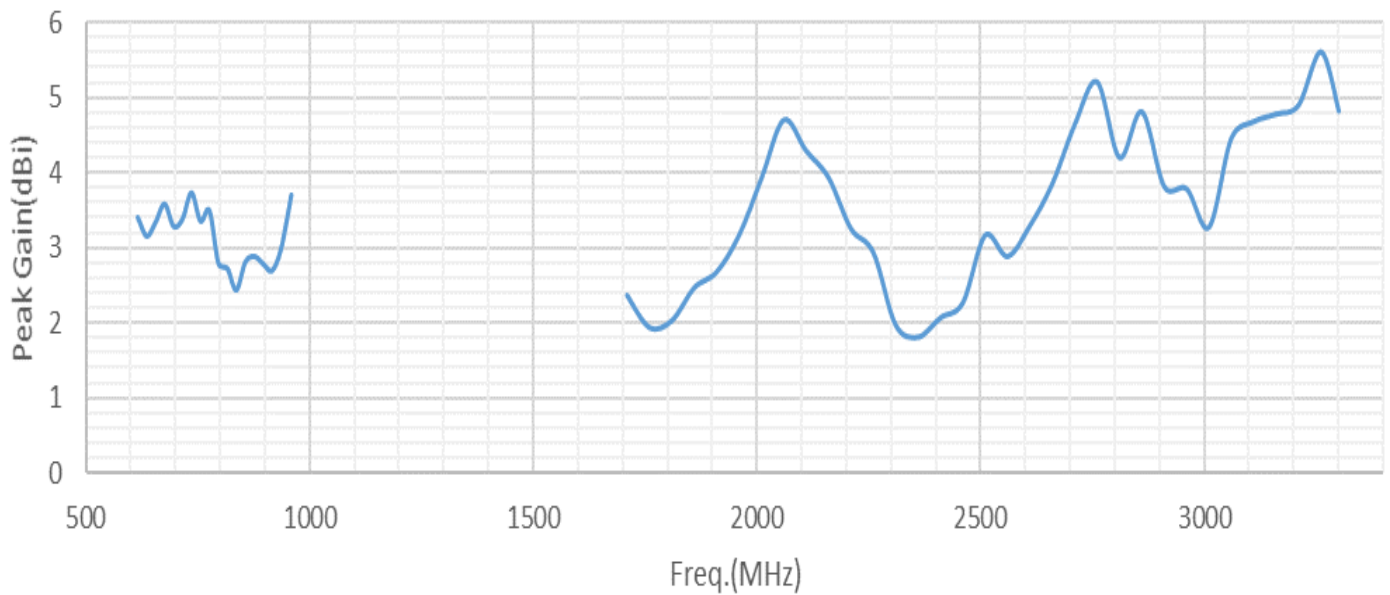
PART NUMBER: W1903

## CHARTS

### Peak Gain

Peak Gain vs Frequency

Measured at PSU 20230202



Issue: 2307

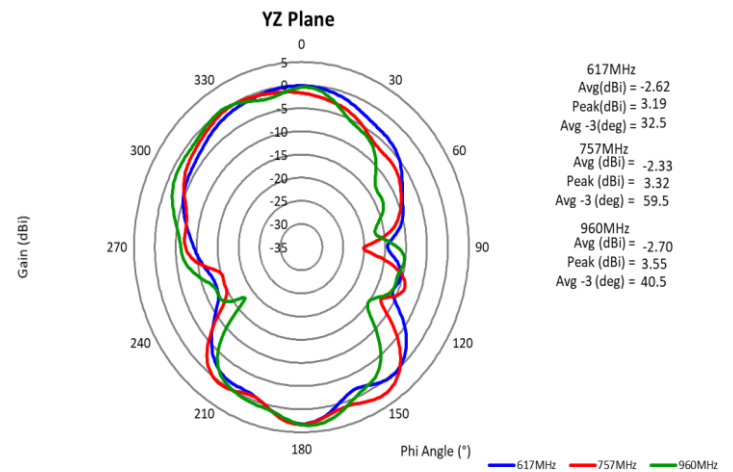
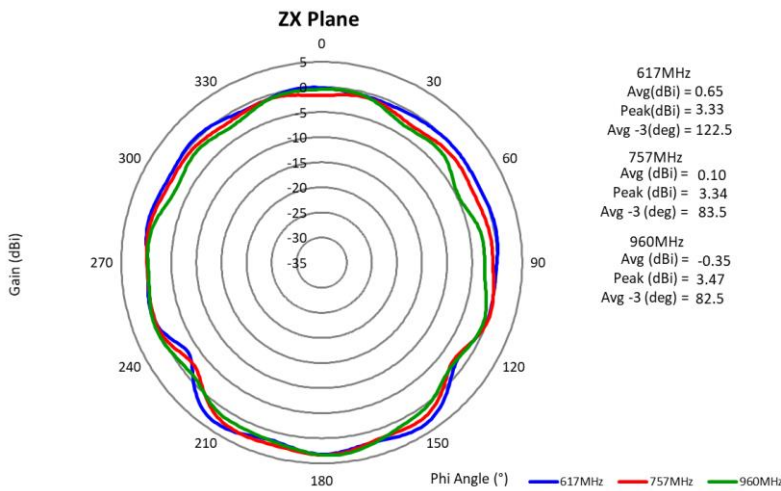
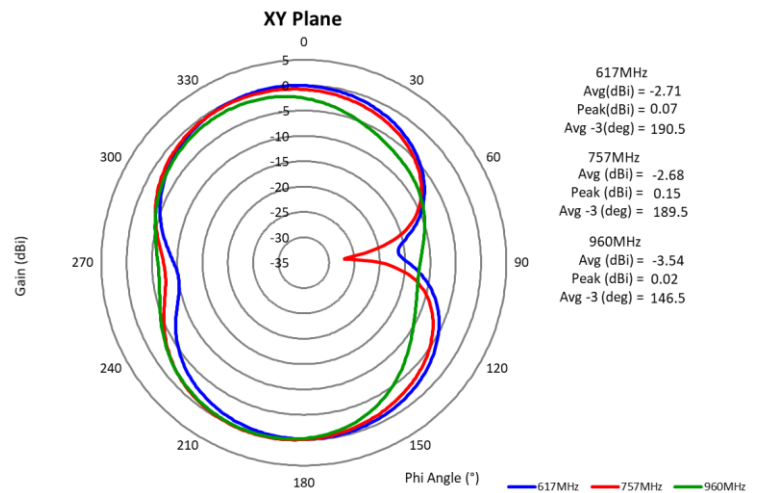
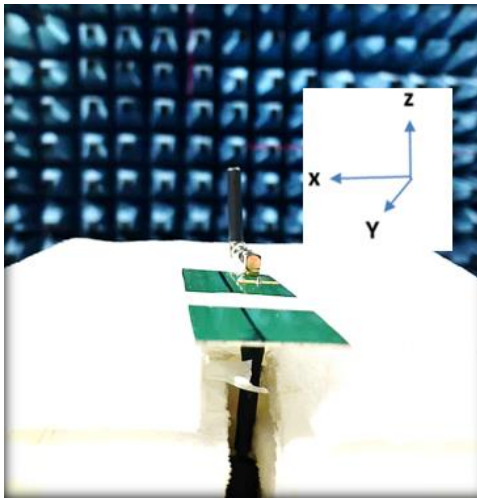
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## CHARTS

### Gain Plots



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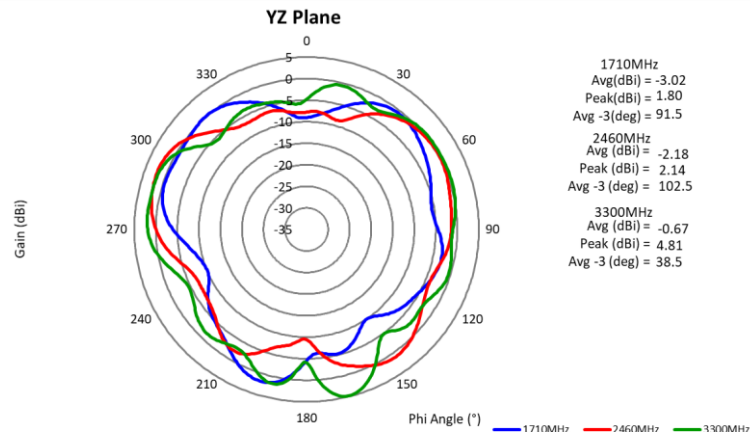
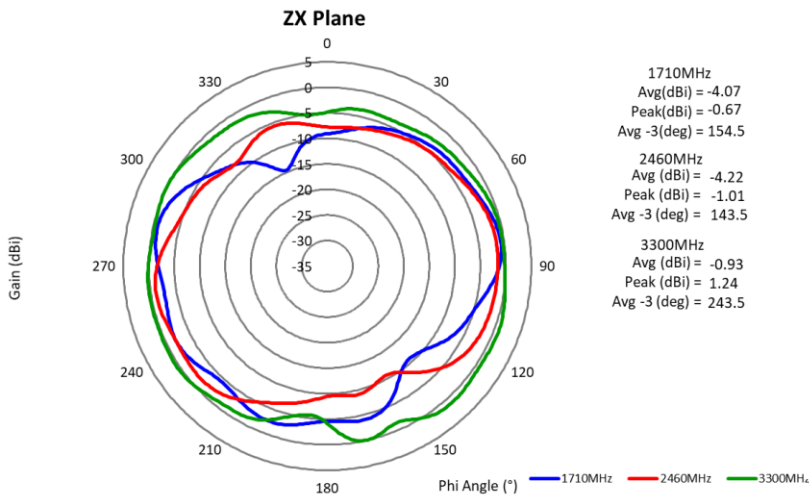
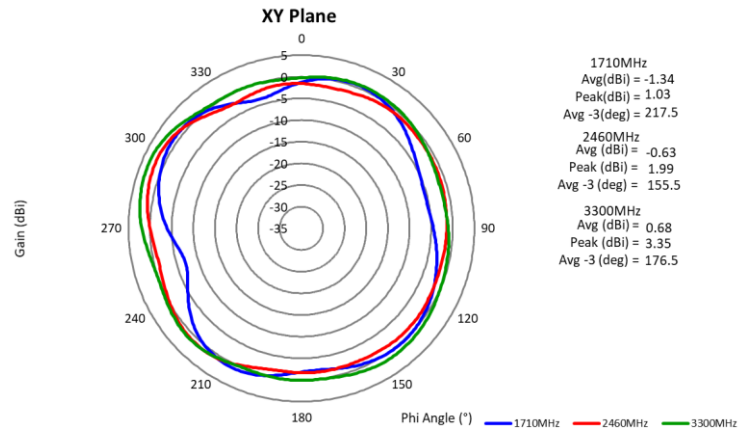
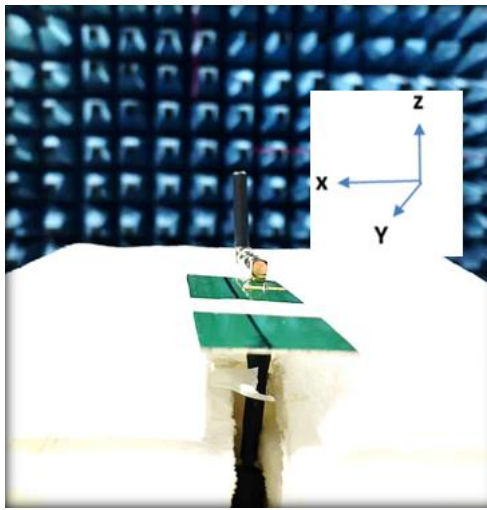
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## CHARTS

### Gain Plots



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Series: External Antenna

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

PART NUMBER: W1903

**PACKAGING**

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



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