

**Description: NMO, Tri Band 150-174/430-520/750-870MHz**

**PART NUMBER: NMO150/450/758**

**Series: Tri Band Whip**  
**Patent Pending**



### Features:

- Omnidirectional antenna
- Tri Band Monopole:
- VHF: 150-174 MHz
- UHF: 430-520 MHz
- 7/800: 750-870 MHz
- Flexible Spring, Impact Resistant
- Connector NMO (Pogo contact)
- IP67
- RoHS Compliant

### Applications:

- Motorola APX-8500
- Harris Unity mobile

“Recommended pairing:  
NMOKHFUDQMAI NMO cable with QMA Installed  
NMOKHFUDQMA NMO cable with Crimp QMA  
NMOMMRDSQMA NMO Mag mount assy w/ QMA.”

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

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### ELECTRICAL SPECIFICATIONS

Antenna type	Tri Band Monopole, Measured on Ø52" (1.32m) Ground plane
Frequency	150-174/430-520/750-870 MHz
Nominal Impedance	50 Ω
VSWR	VHF: 150-165 MHz <2:1 VHF: 165-174 MHz <2.5:1 UHF: 430-490 MHz <2:1 UHF: 490-520 MHz <2.5:1 7/800: 750-870 MHz <2:1
Gain	0/5/4 dBi
Efficiency	60/70/70 %
Radiation Pattern	Omni
Polarization	Vertical
Power withstanding	100 W
Connector type	NMO (Pogo contact)

### MECHANICAL SPECIFICATIONS

Color/Material	Black / S.S Whip
Weight	205 g
Overall Length	452.5 mm

### ENVIRONMENTAL SPECIFICATIONS

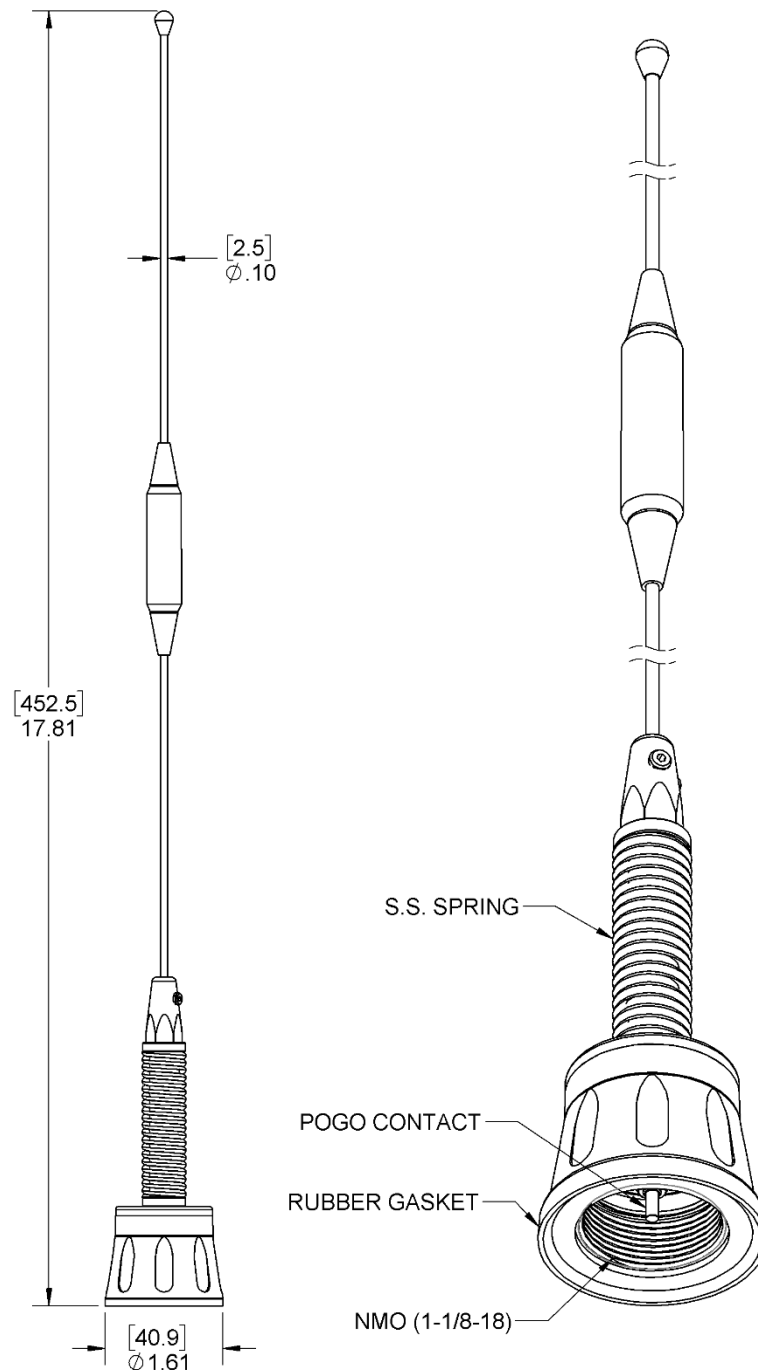
Operating temperature	-40 ~ +85° C
RoHS Compliant	Yes

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**MECHANICAL DRAWING**



All dimensions are in mm / inches

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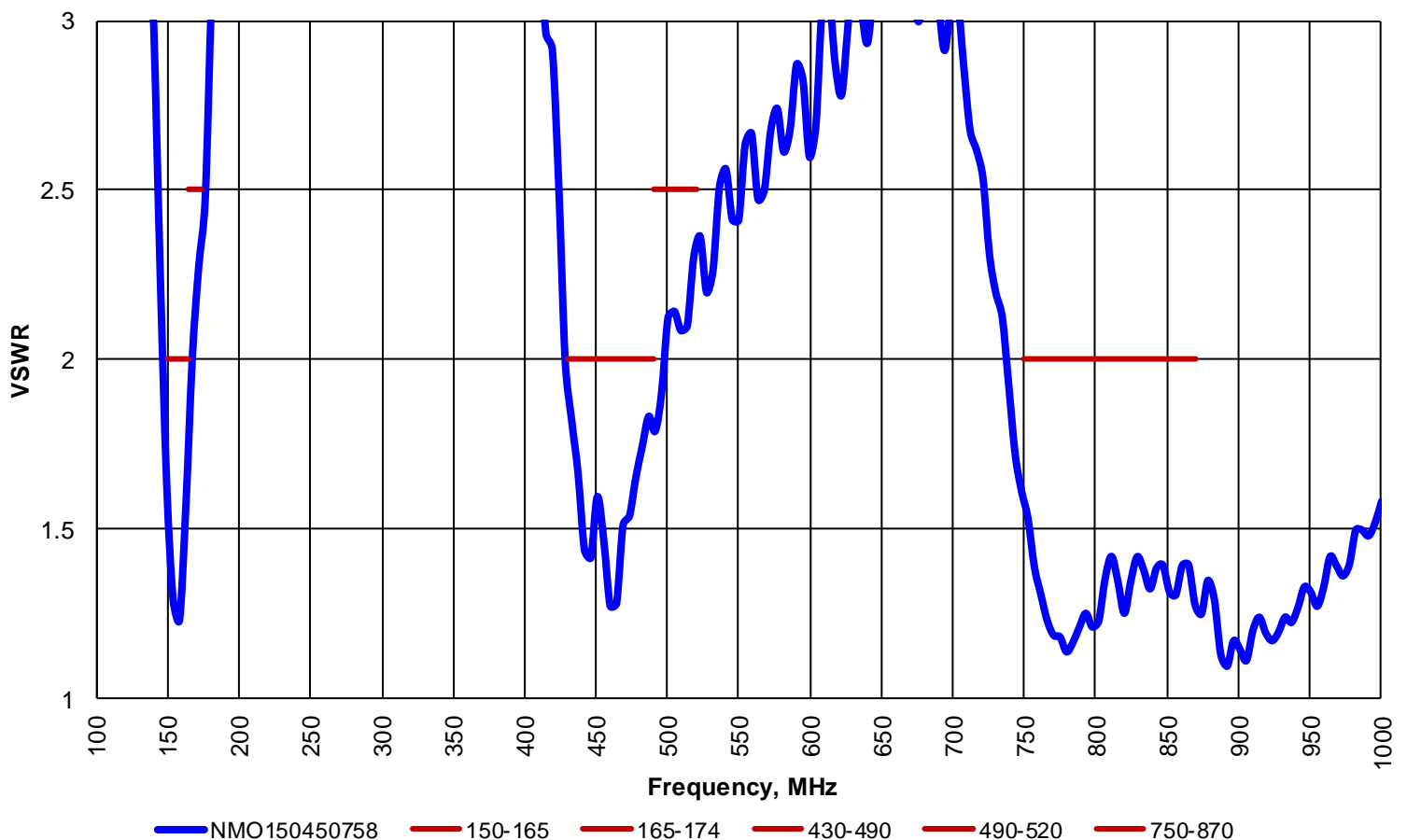
**Series: Tri Band Whip**  
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## CHARTS

### VSWR vs Frequency

**NMO150450758 Measured with 17ft cable on Ø52" GP**

Measured at Pulse, USA - June 11, 2018



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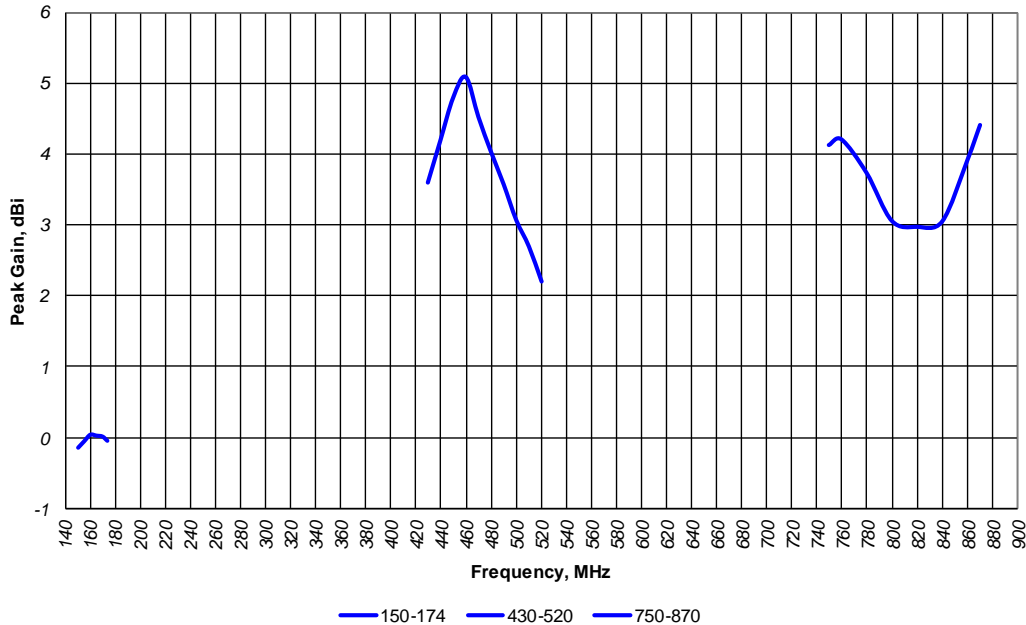
**Series: Tri Band Whip**  
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## CHARTS

**Peak Gain vs Frequency**  
**NMO150450758**

Measured at Pulse, USA - June 11, 2018

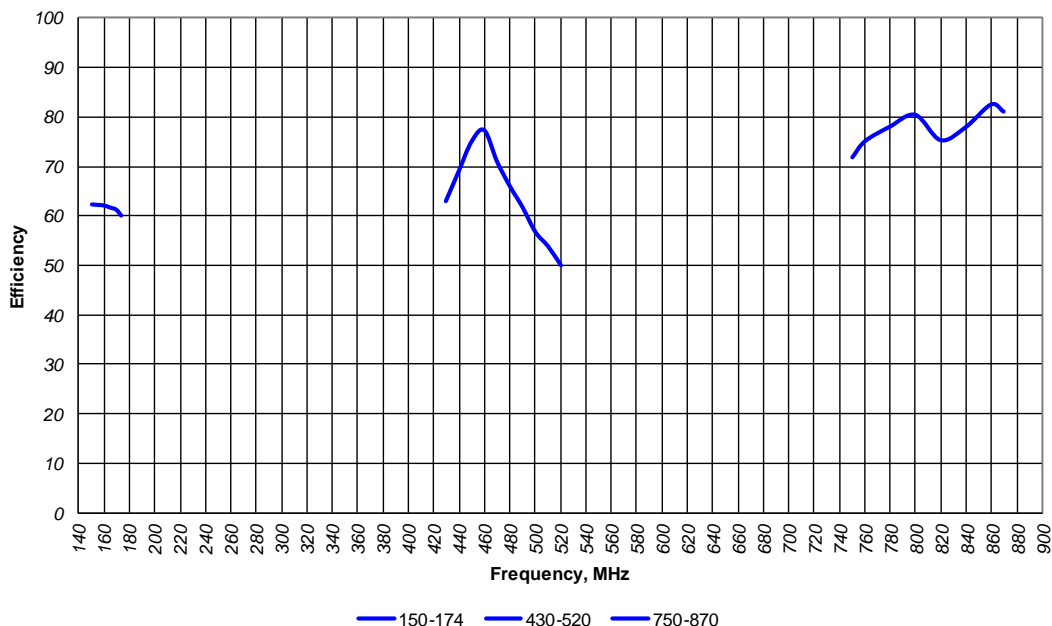
Measured with 6"  
(152mm) cable



**Efficiency vs Frequency**  
**NMO150450758**

Measured at Pulse, USA - June 11, 2018

Measured with 6"  
(152mm) cable



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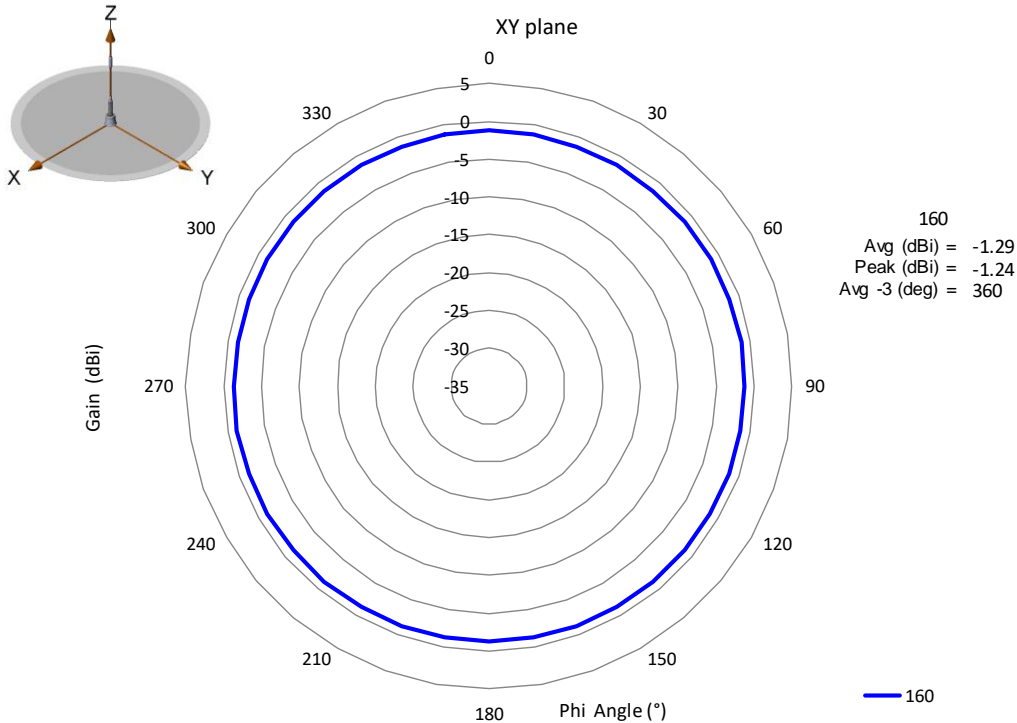
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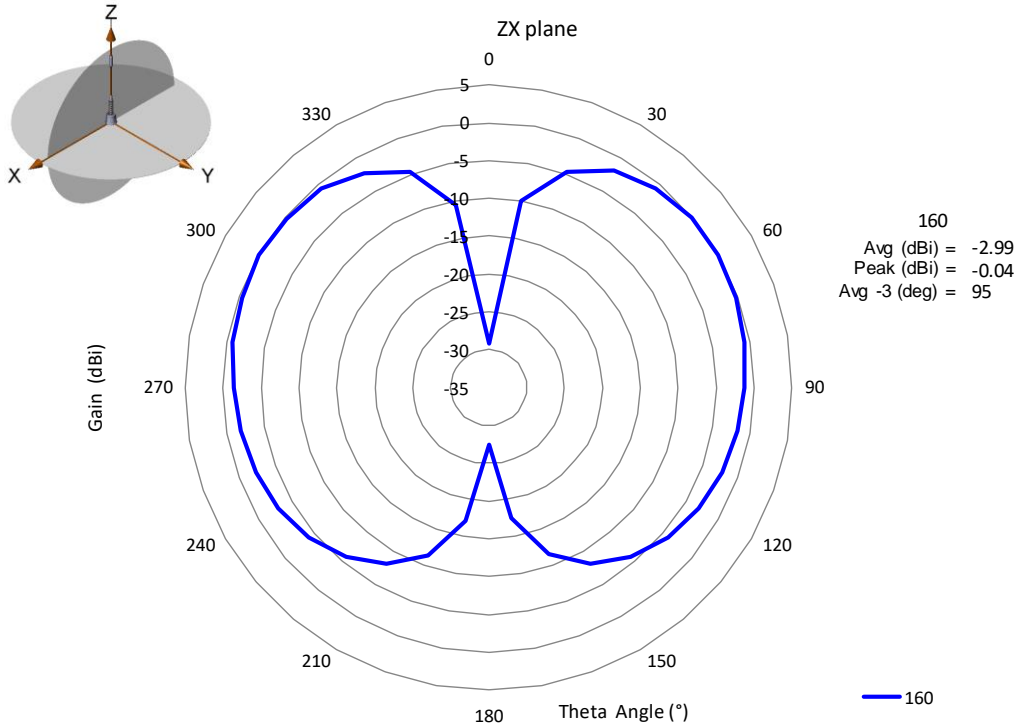
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## CHARTS

**160MHz**  
Measured with 6"  
(152mm) cable



**160MHz**  
Measured with 6"  
(152mm) cable



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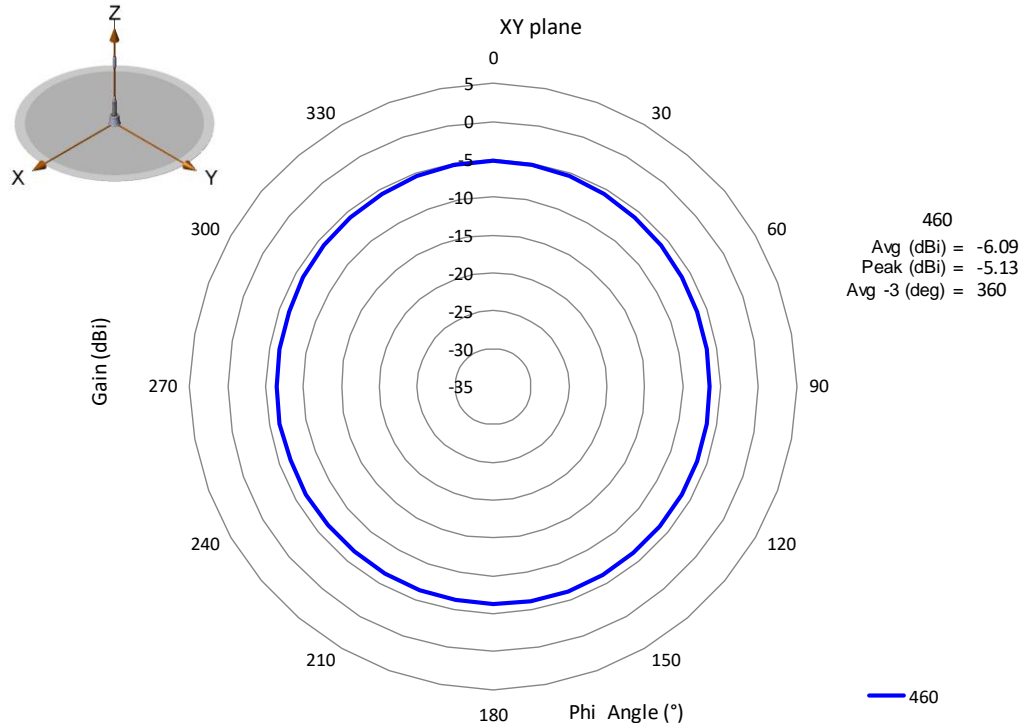
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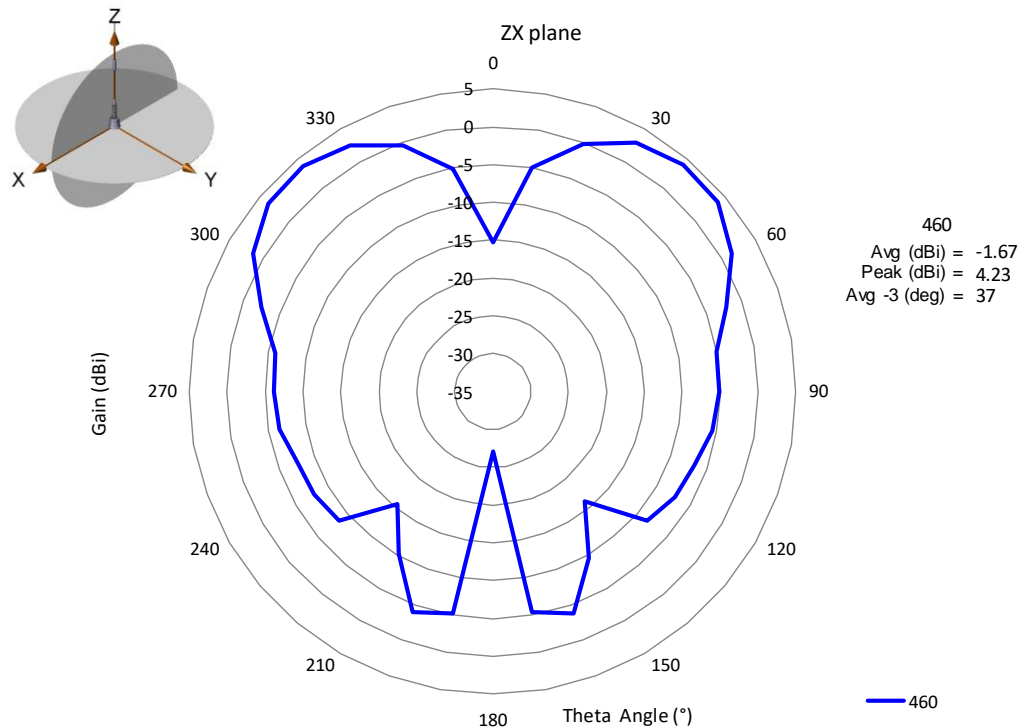
**Series: Tri Band Whip**  
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## CHARTS

**460MHz**  
Measured with 6"  
(152mm) cable



**460MHz**  
Measured with 6"  
(152mm) cable



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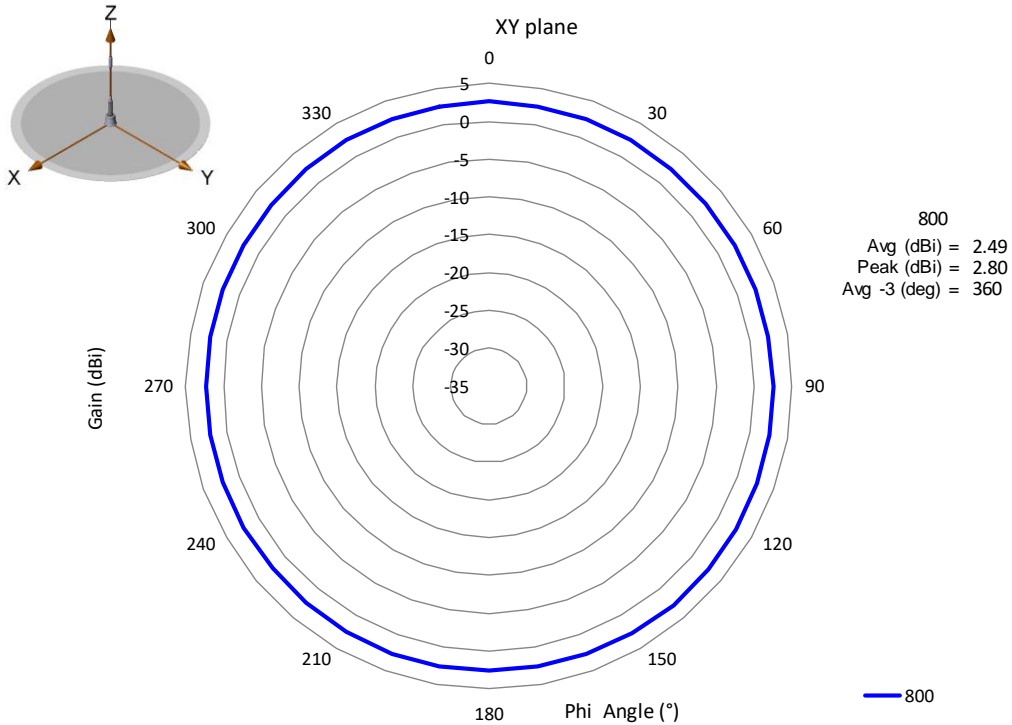
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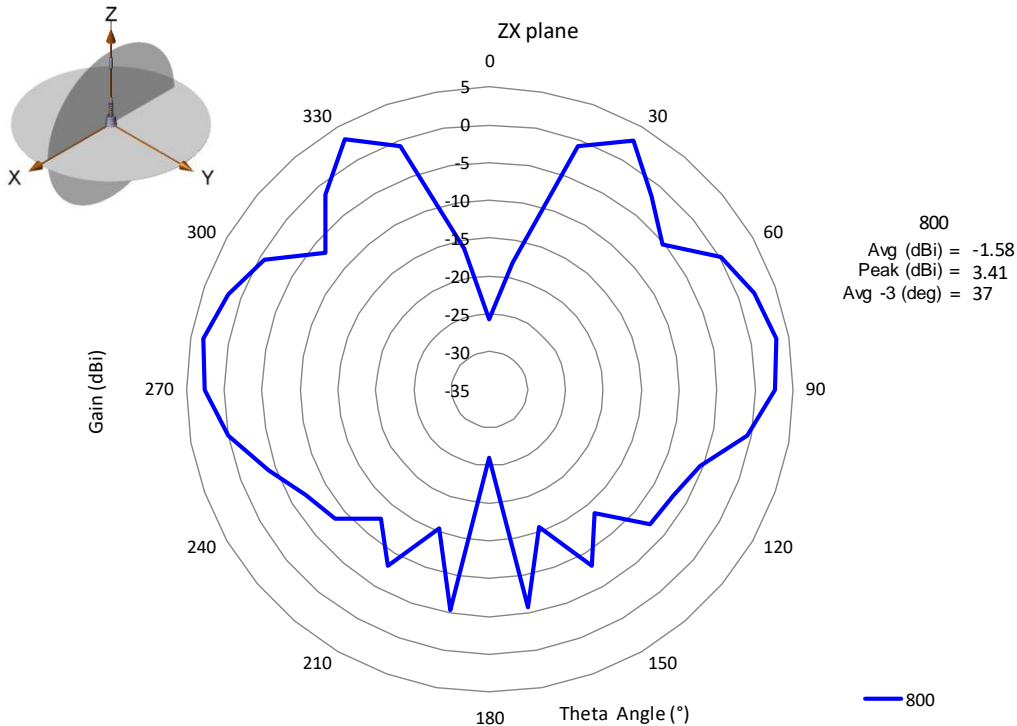
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## CHARTS

**800MHz**  
Measured with 6"  
(152mm) cable



**800MHz**  
Measured with 6"  
(152mm) cable



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## PACKAGING

Pack each Antenna and instruction in PE bag.

# Mouser Electronics

Authorized Distributor

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