

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.”

Issue: 1909

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

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For more information:

Pulse Worldwide Headquarters
15255 Innovation Drive #100
San Diego, CA 92128
USA
Tel:1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



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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

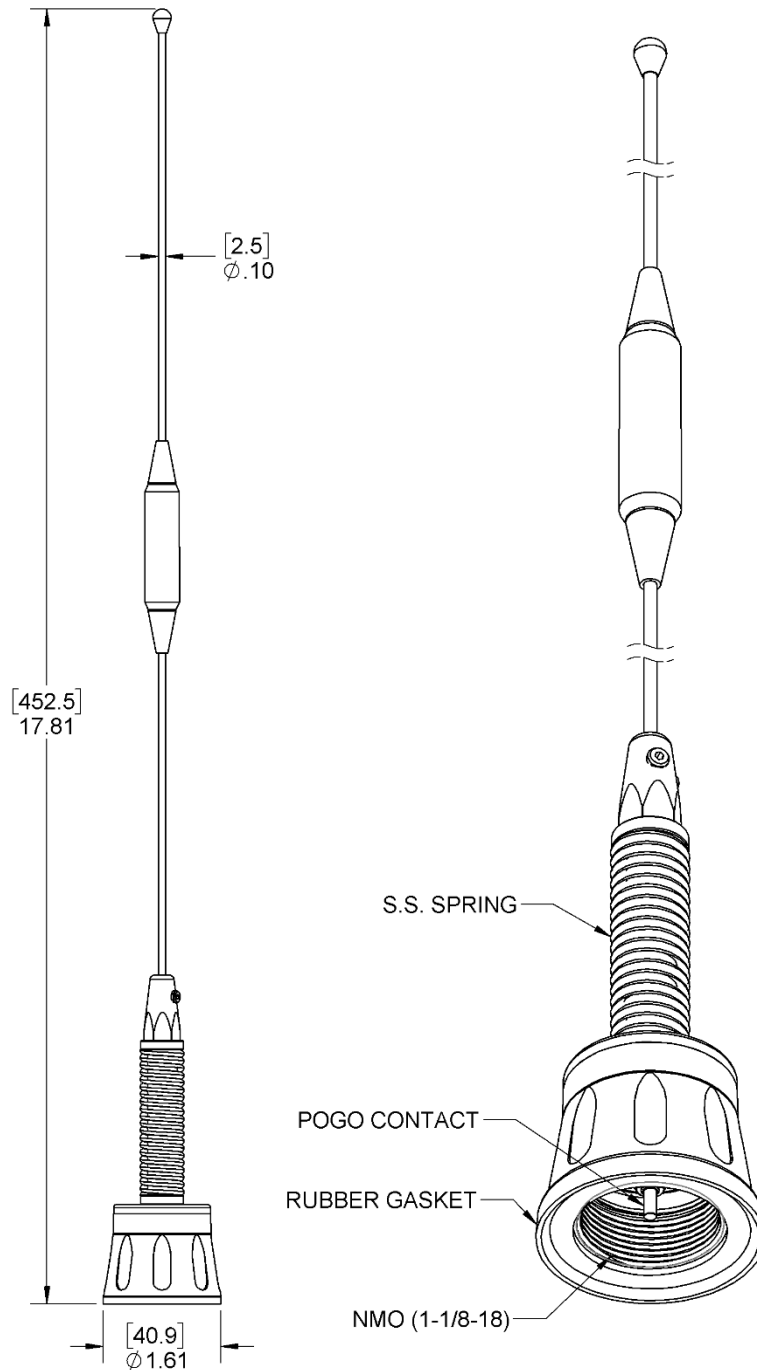
Operating temperature	-40 ~ +85° C
RoHS Compliant	Yes

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MECHANICAL DRAWING



All dimensions are in mm / inches

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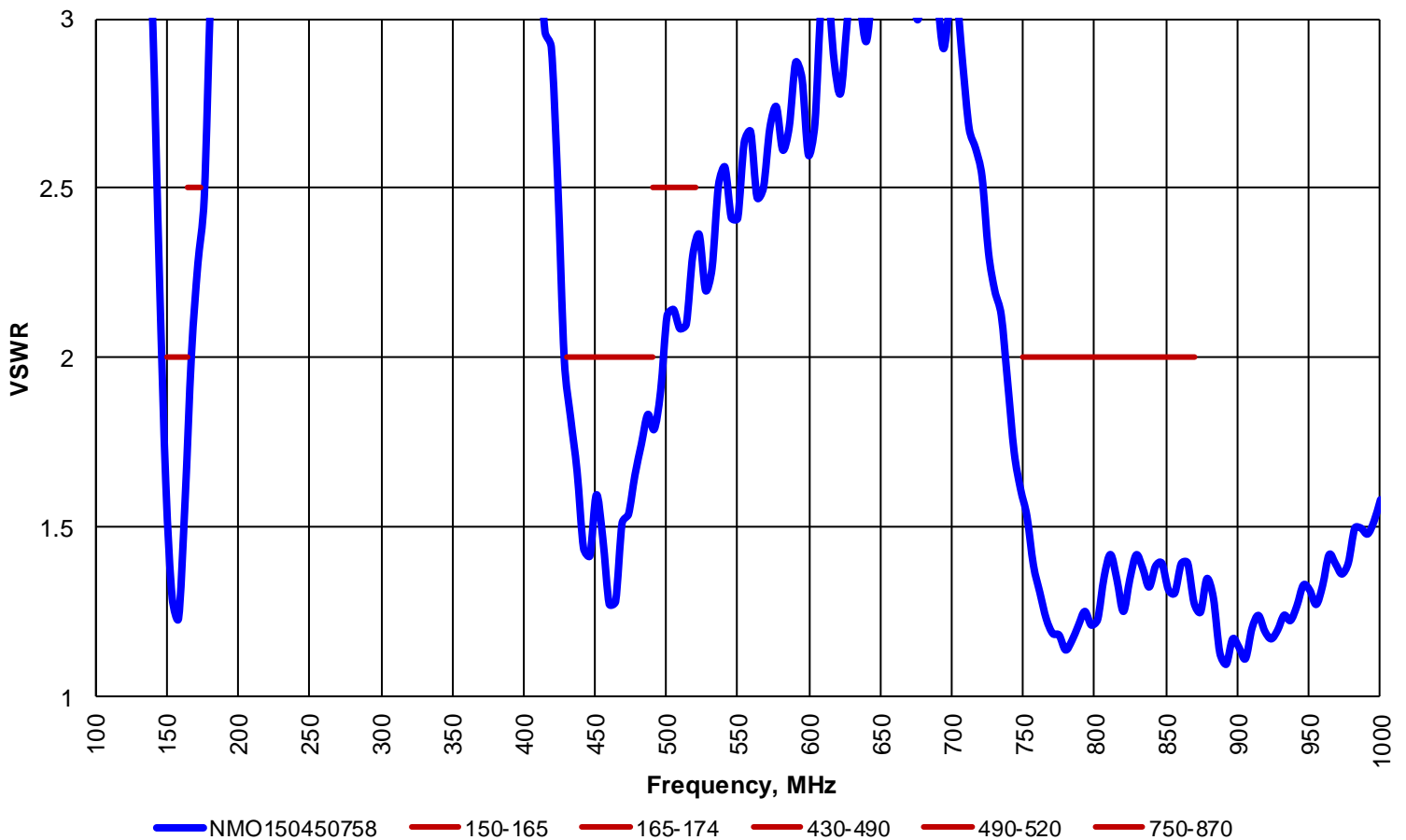
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CHARTS

VSWR vs Frequency
NMO150450758 Measured with 17ft cable on Ø52" GP
 Measured at Pulse, USA - June 11, 2018



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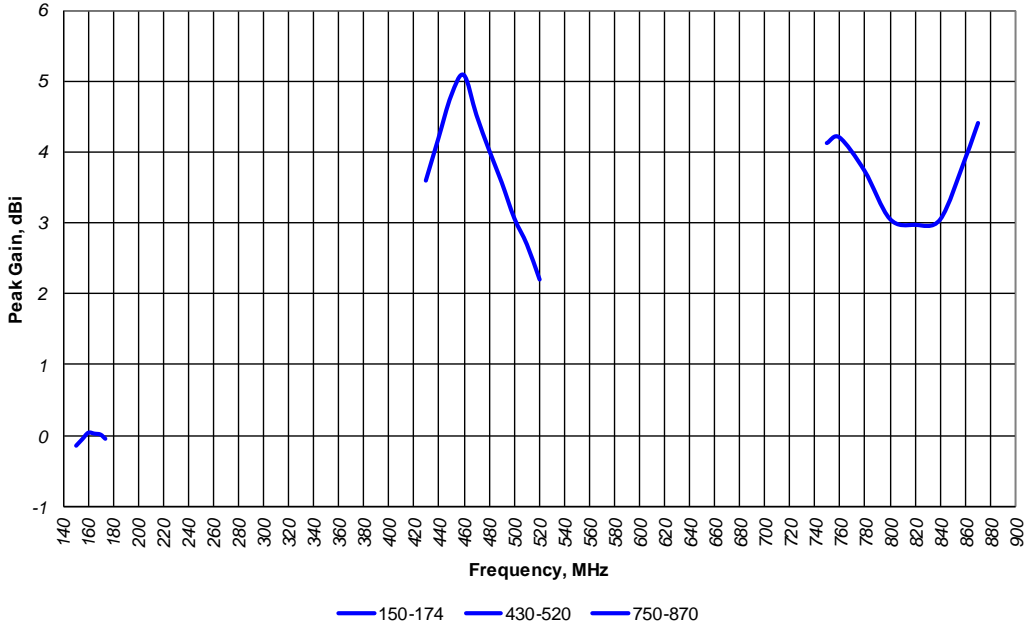
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CHARTS

Peak Gain vs Frequency
NMO150450758

Measured at Pulse, USA - June 11, 2018

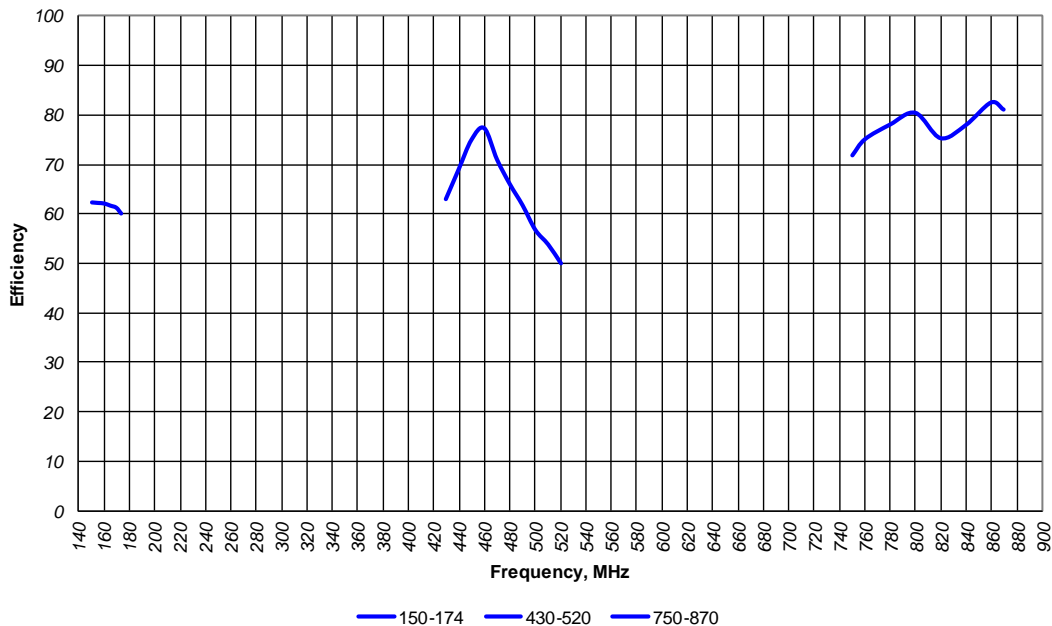
Measured with 6" (152mm) cable



Efficiency vs Frequency
NMO150450758

Measured at Pulse, USA - June 11, 2018

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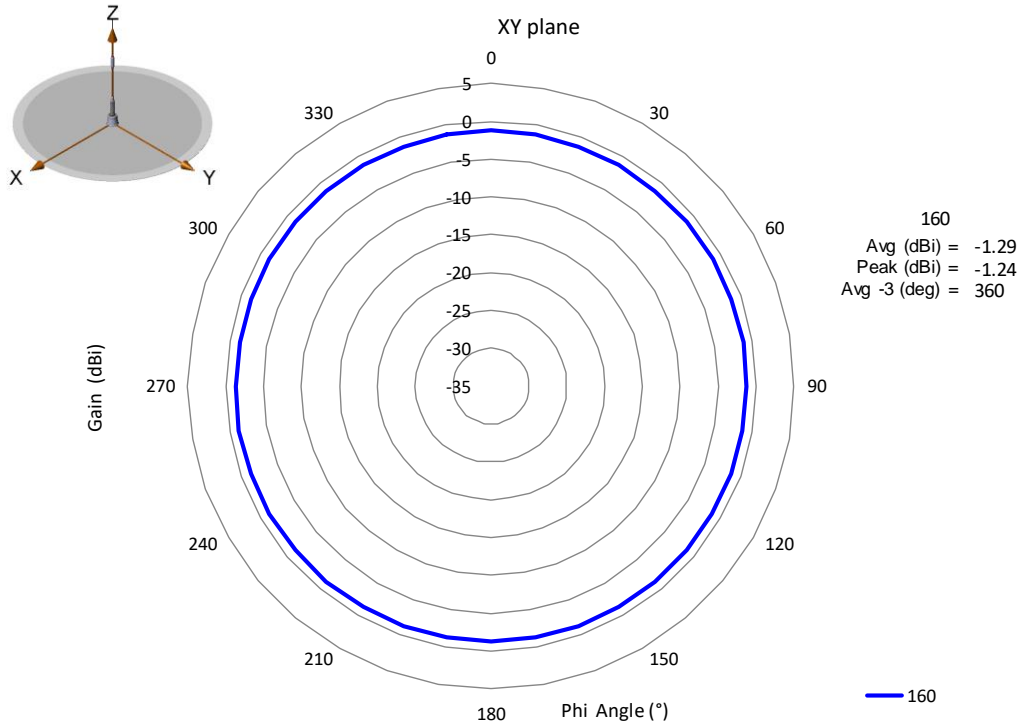
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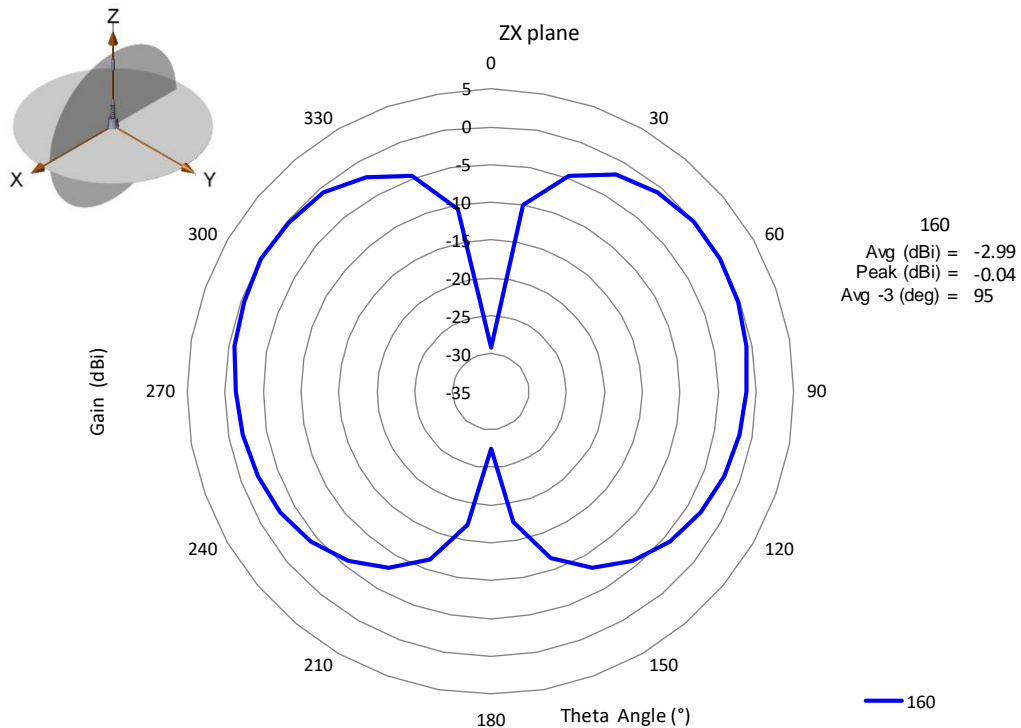
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CHARTS

160MHz
Measured with 6" (152mm) cable



160MHz
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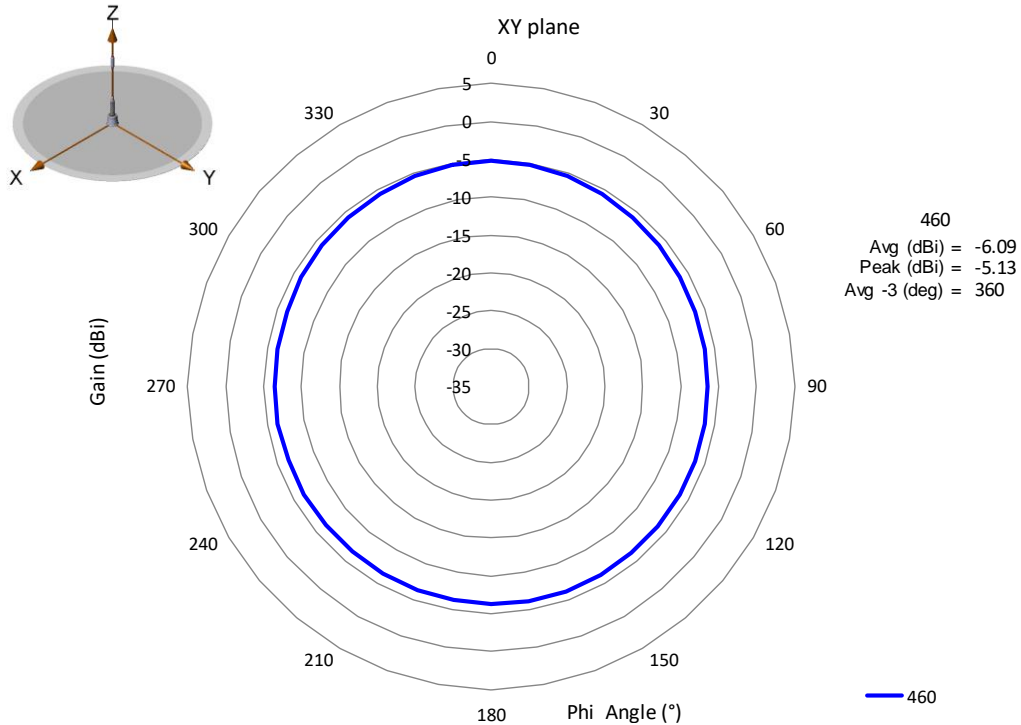
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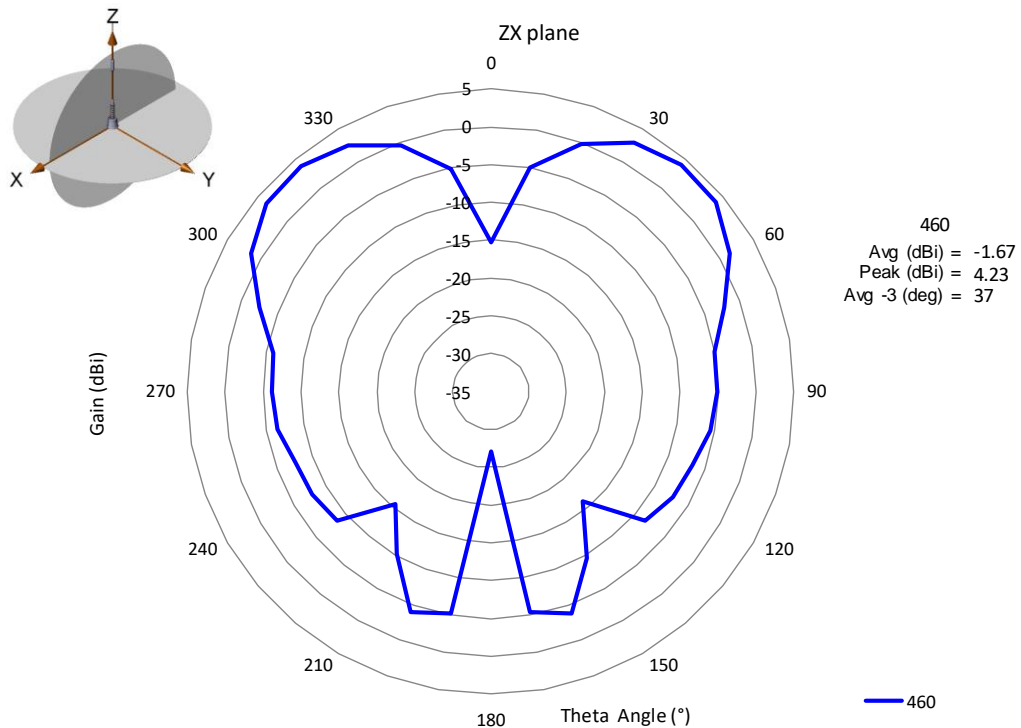
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CHARTS

460MHz
Measured with 6"
(152mm) cable



460MHz
Measured with 6"
(152mm) cable



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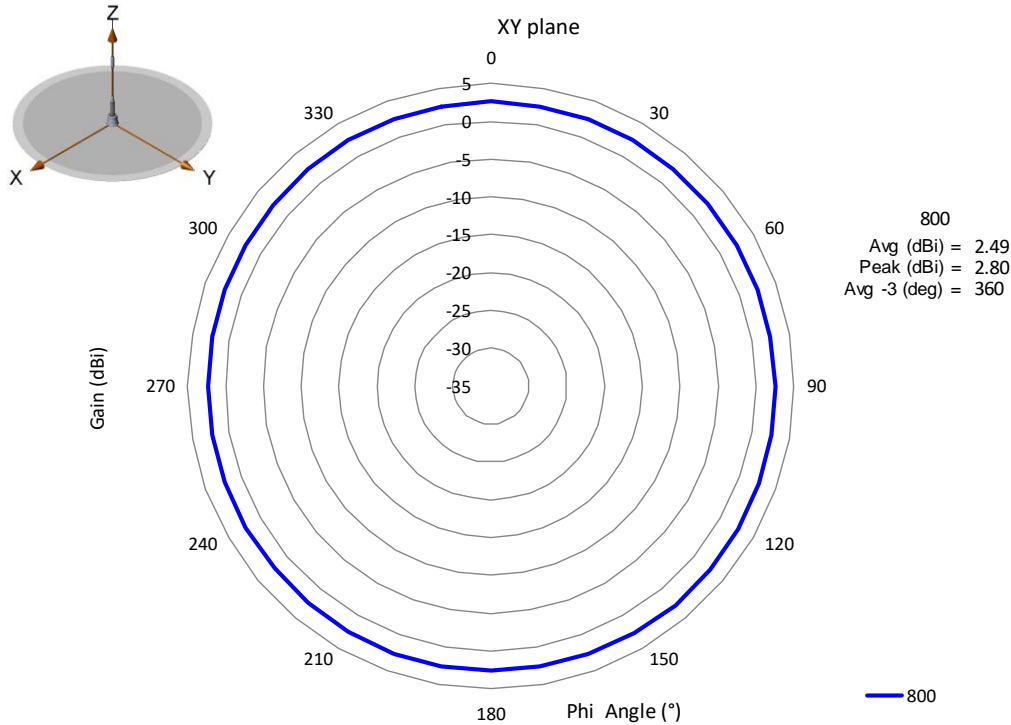
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CHARTS

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.