

Description: NMO, Tri Band 150-174/430-520/806-960MHz

Series: Tri Band Whip

PART NUMBER: NMO150/450/800SF



Features:

- Omnidirectional antenna
- Tri Band Monopole:
- VHF: 150-174 MHz
- UHF: 430-520 MHz
- 800: 806-960 MHz
- Flexible Spring, Impact Resistant
- Connector NMO (Pogo contact)
- IP67
- RoHS Compliant

Applications:

- Motorola APX-8500
- Harris Unity mobile

Issue: 2036

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
Frequency	150-174/430-520/806-960 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 <2.5:1 800: 806-960 MHz <2:1
Gain	0/5/5 dBi
Efficiency	60/70/80 %
Radiation Pattern	Omni
Polarization	Vertical
Power withstanding	100 W
Connector type	NMO (Pogo contact)

MECHANICAL SPECIFICATIONS

Color/Material	Black / S.S Whip
Weight	183 g
Overall Length	448.8 mm (17.67")

ENVIRONMENTAL SPECIFICATIONS

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

*Measured on Ø52" (1.32m) Ground plane

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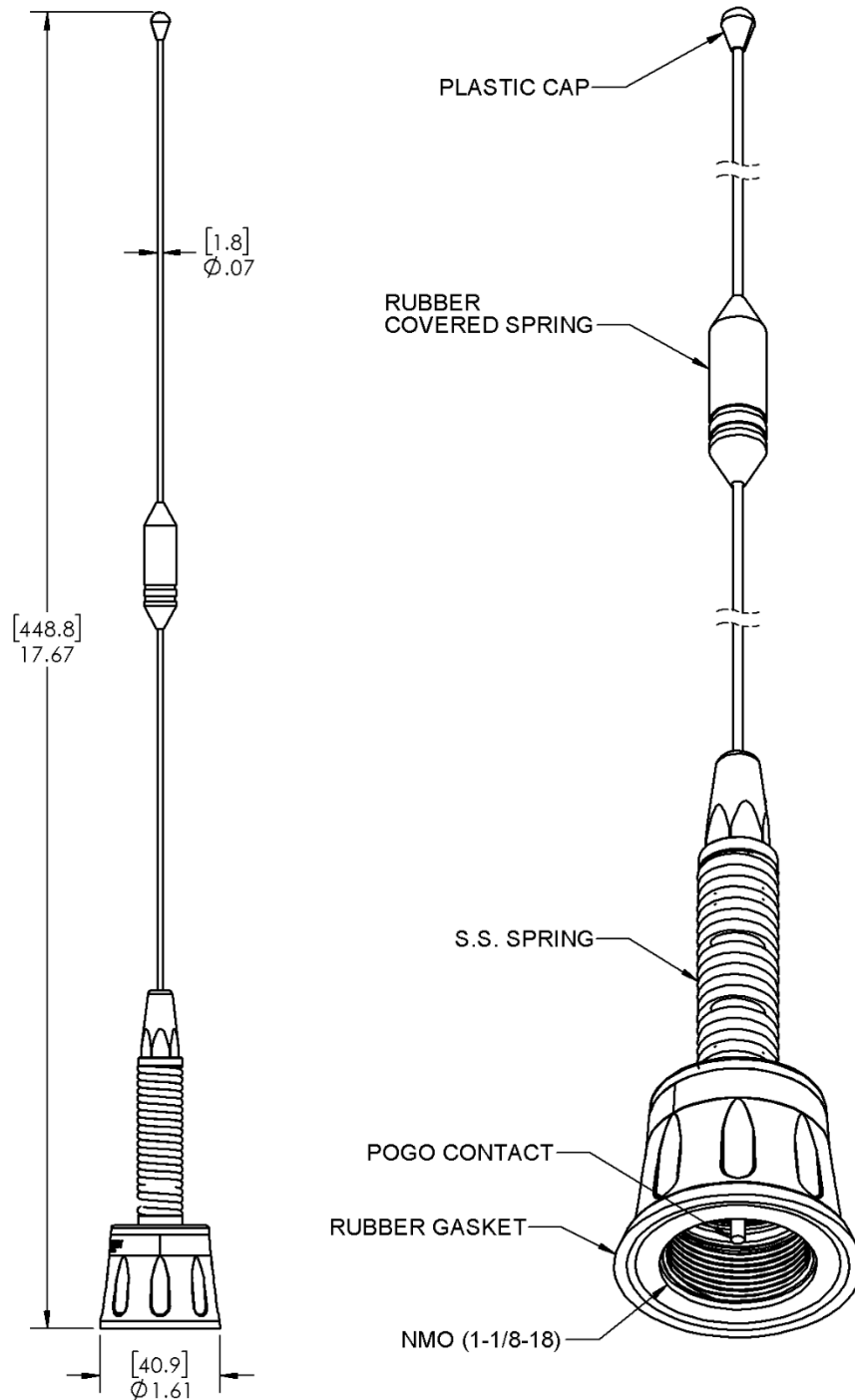
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MECHANICAL DRAWING



All dimensions are in mm

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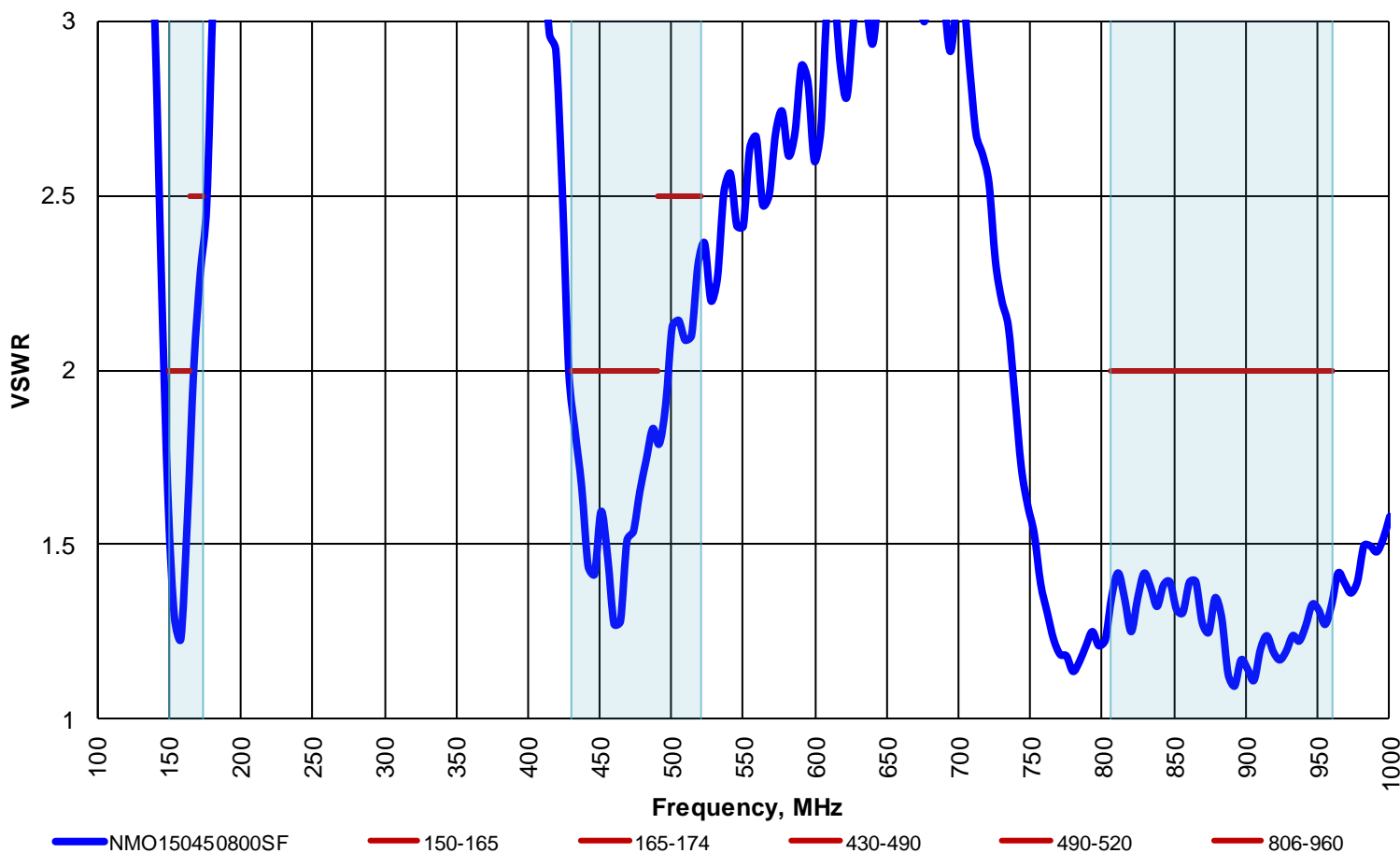
Series: Tri Band Whip

PART NUMBER: NMO150/450/800SF

CHARTS

VSWR vs Frequency
NMO150/450/800SF Measured with 17ft cable on Ø52" GP

Measured at Pulse, USA - Sep 04, 2020



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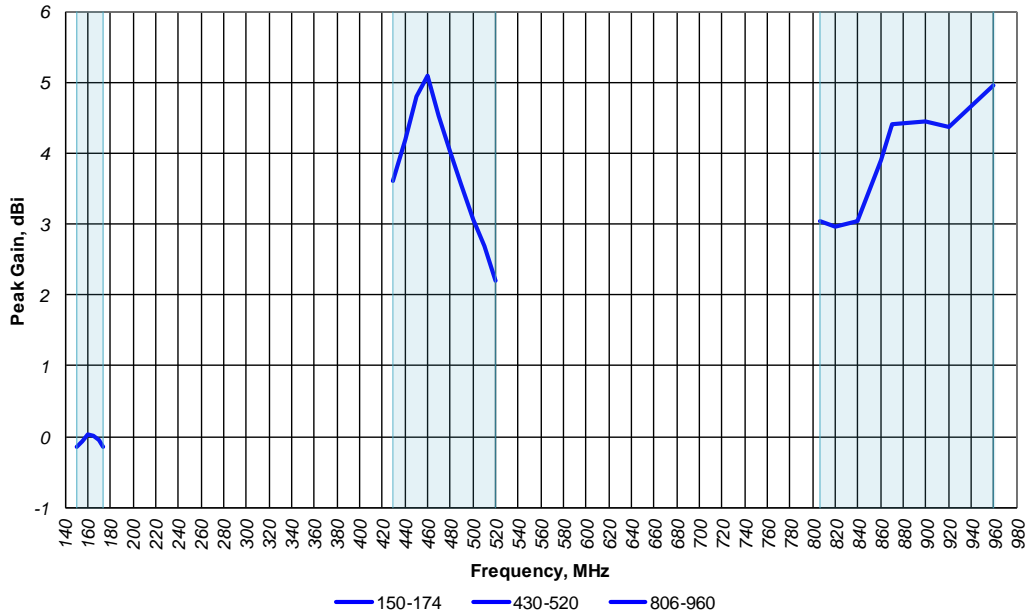
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CHARTS

Peak Gain vs Frequency
NMO150/450/800SF

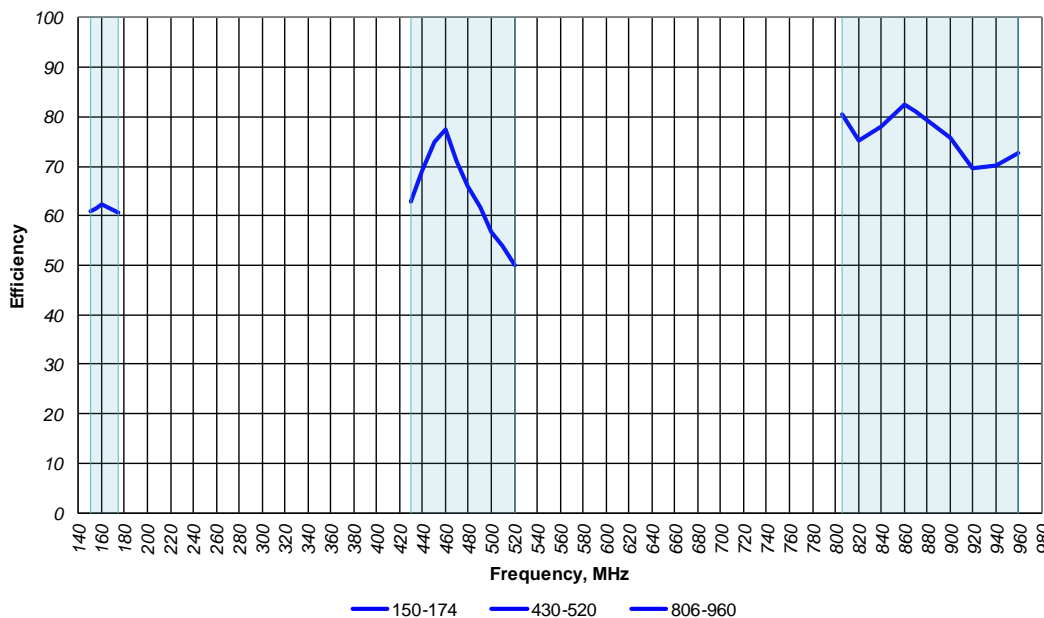
Measured at Pulse, USA - Sep 04, 2020



Measured with 6" (152mm) cable

Efficiency vs Frequency
NMO150/450/800SF

Measured at Pulse, USA - Sep 04, 2020



Measured with 6" (152mm) cable

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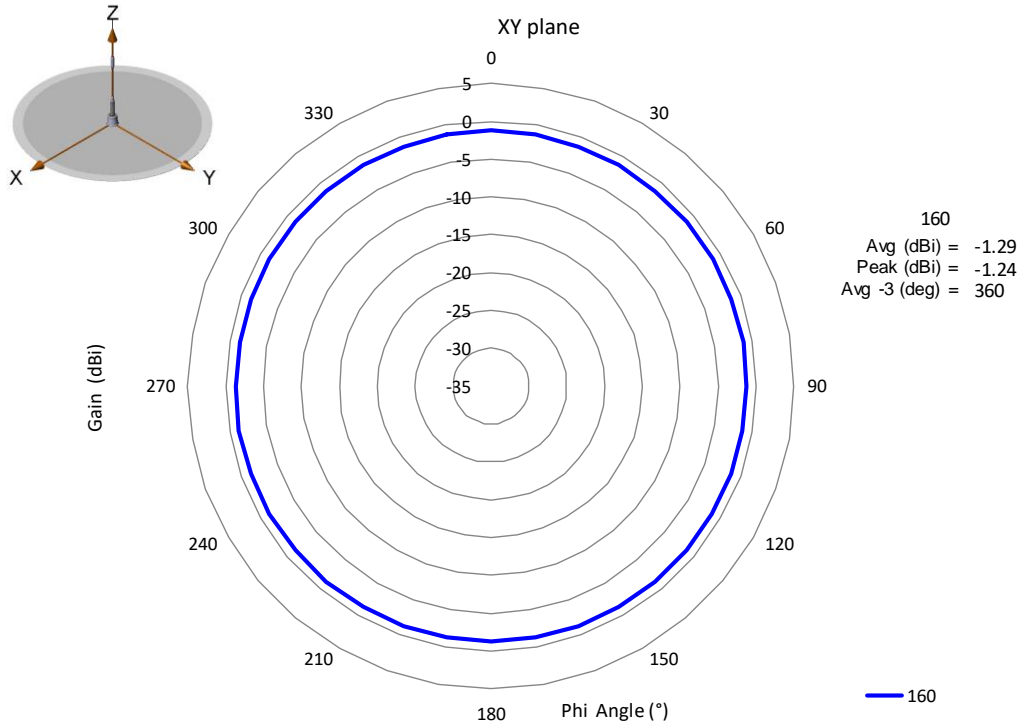
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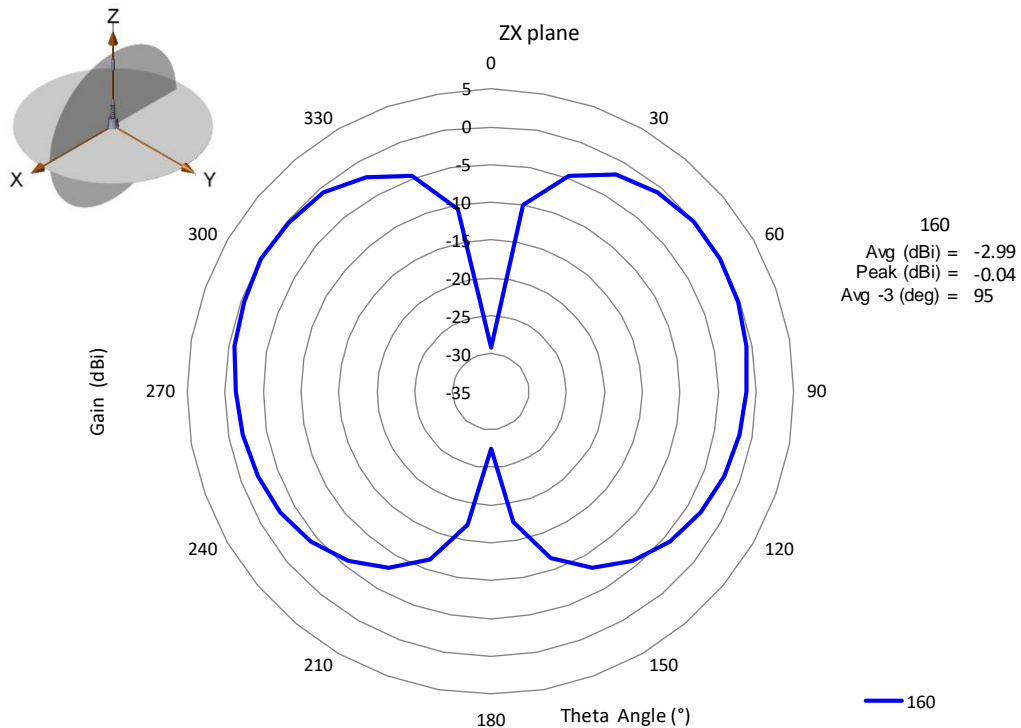
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CHARTS

160MHz
Measured with 6" (152mm) cable



160MHz
Measured with 6" (152mm) cable



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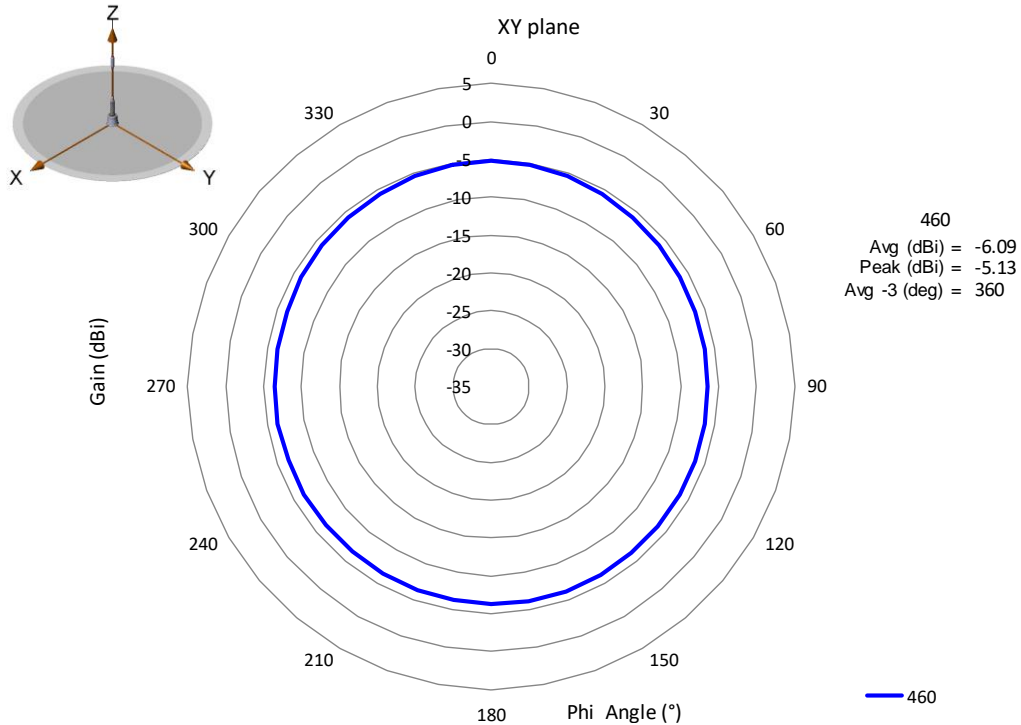
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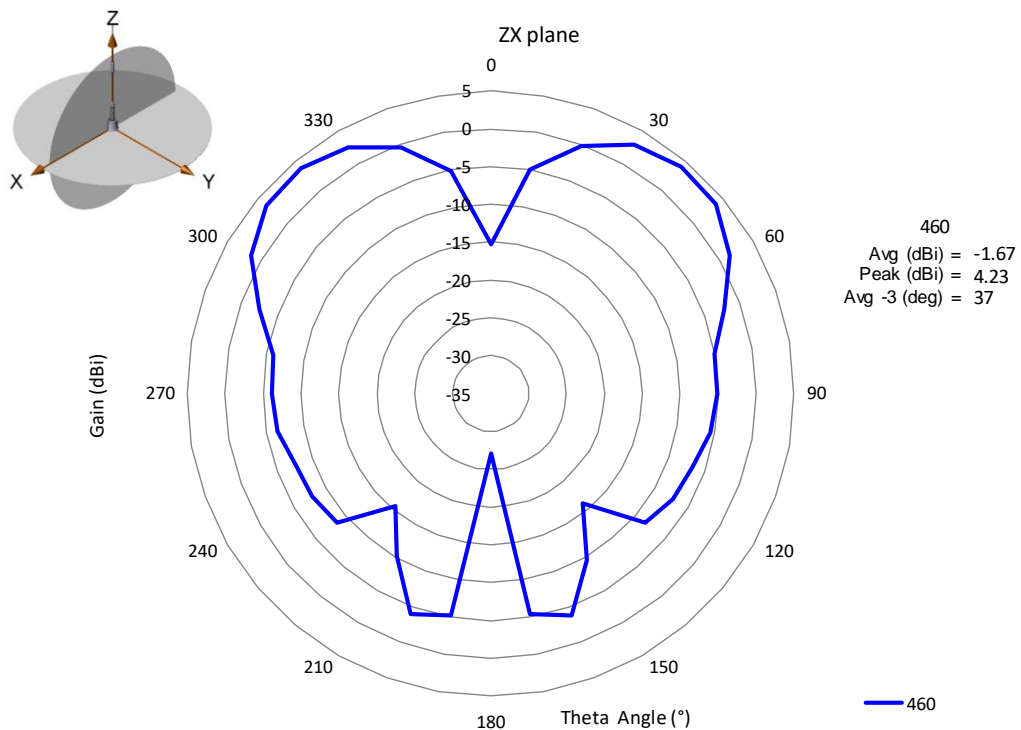
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CHARTS

460MHz
Measured with 6"
(152mm) cable



460MHz
Measured with 6"
(152mm) cable



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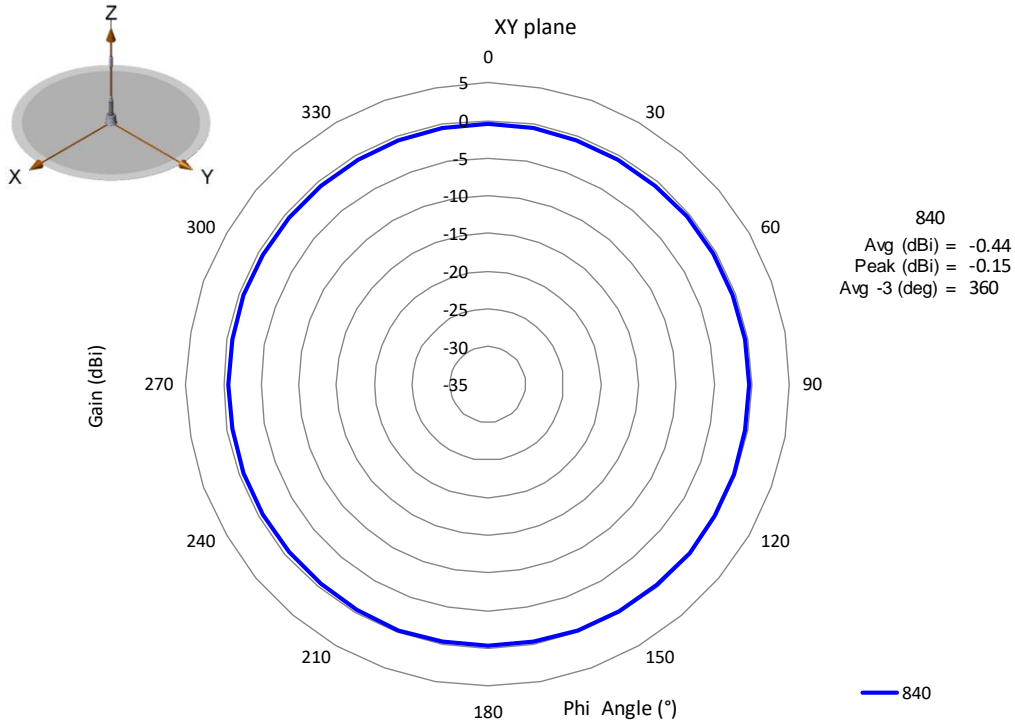
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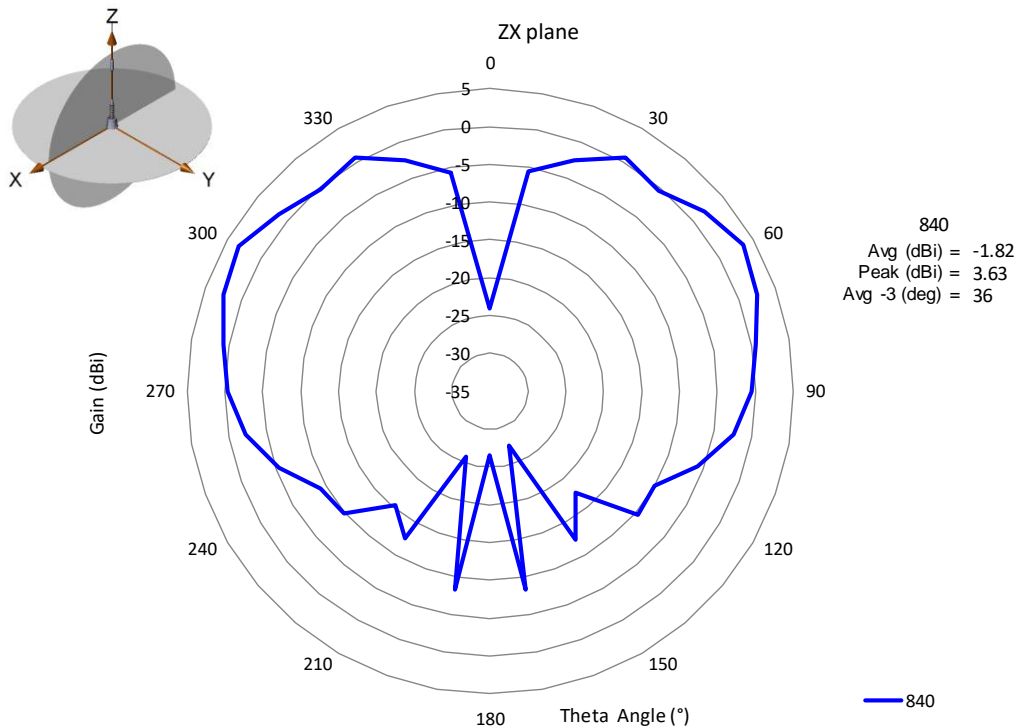
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840MHz
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(152mm) cable



840MHz
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(152mm) cable



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PACKAGING

Pack each Antenna and instruction in PE bag.

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