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Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

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

Series: Tri Band Whip

Patent Pending

PART NUMBER: NMO150/450/758



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

RoHS COMPLIANT

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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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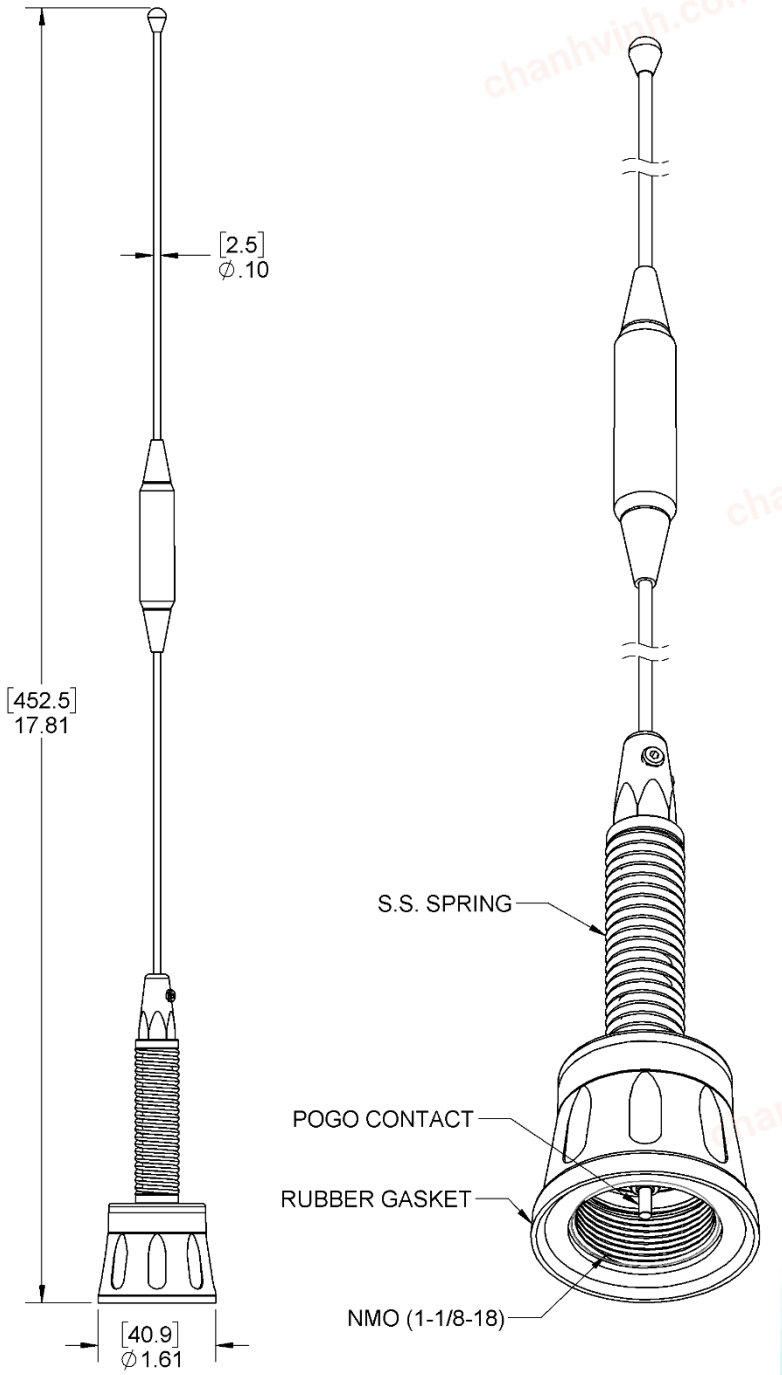
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MECHANICAL DRAWING



All dimensions are in mm / inches

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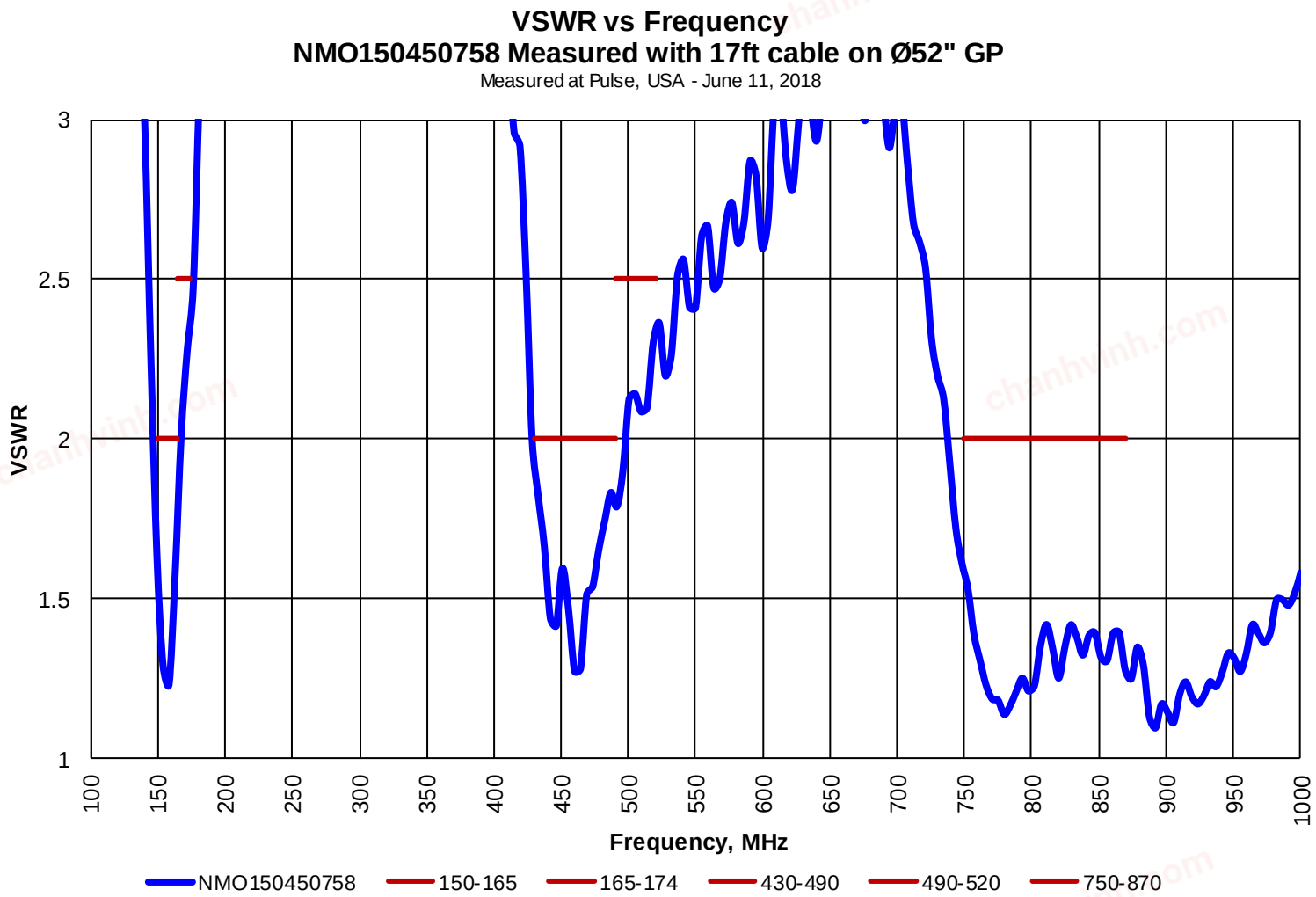
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Patent Pending

PART NUMBER: NMO150/450/758

CHARTS



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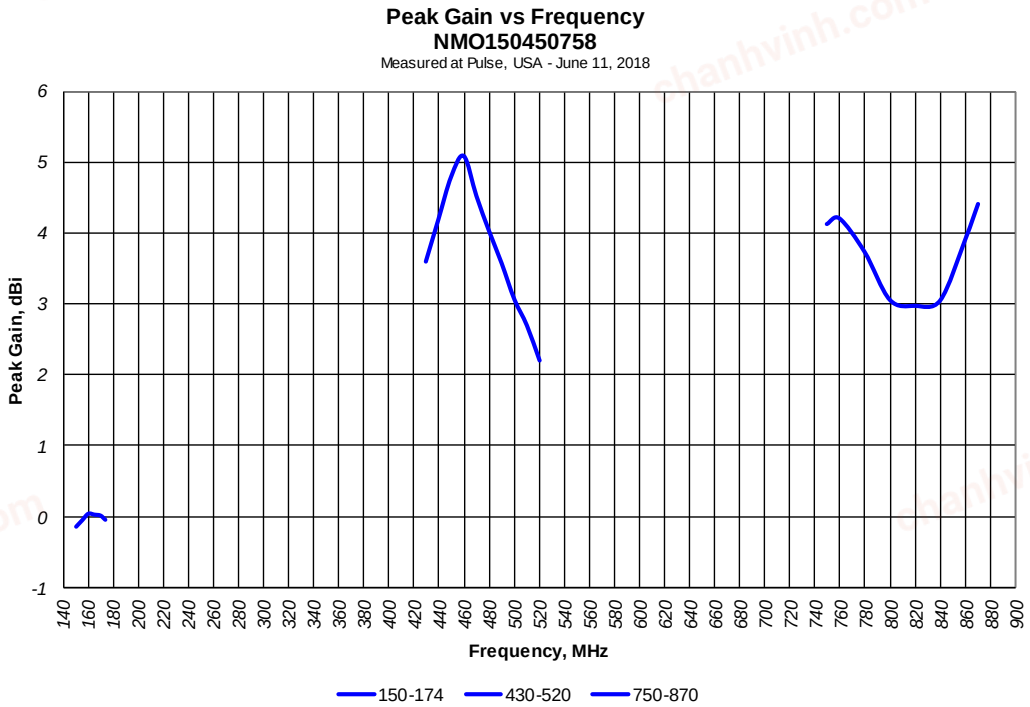
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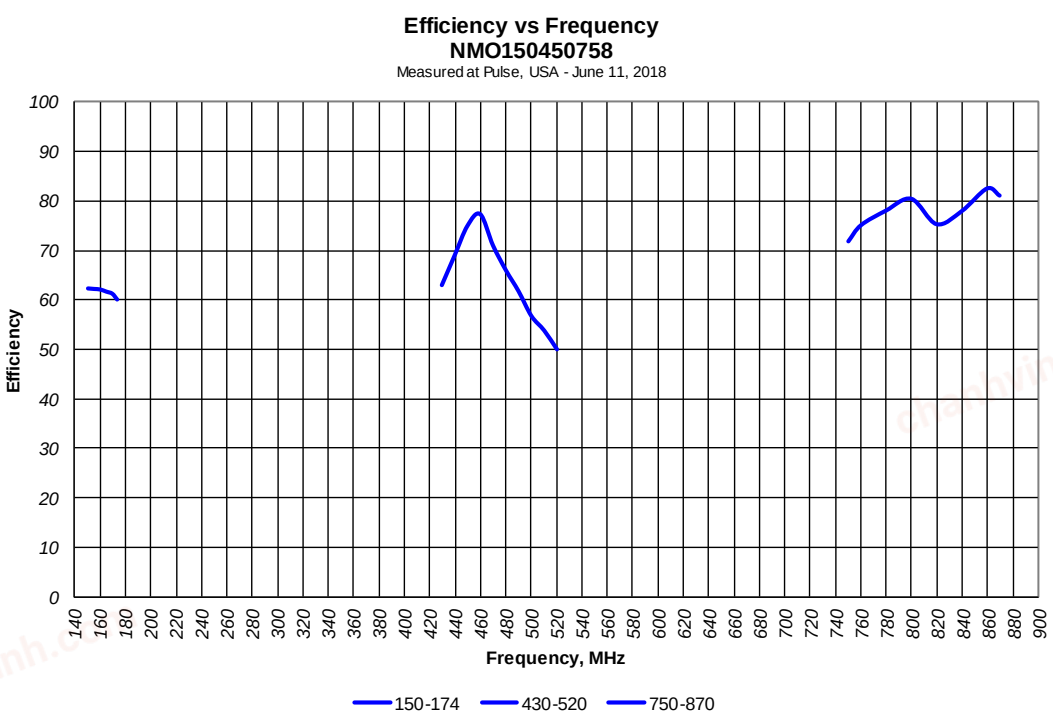
PART NUMBER: NMO150/450/758

CHARTS

Measured with 6" (152mm) cable



Measured with 6" (152mm) cable



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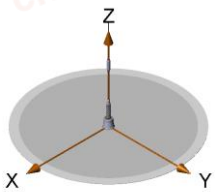
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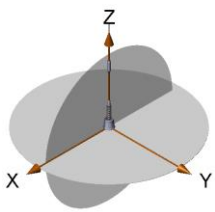
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CHARTS



160MHz
Measured with 6" (152mm) cable



160MHz
Measured with 6" (152mm) cable

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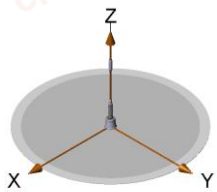
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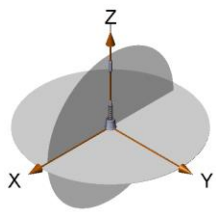
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CHARTS



460MHz
Measured with 6" (152mm) cable



460MHz
Measured with 6" (152mm) cable

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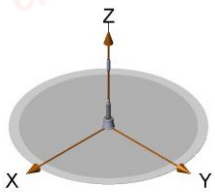
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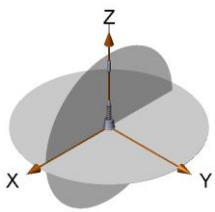
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CHARTS



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.

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