TECHNICAL DATA SHEET

Description: RO, 5dBi, 860-930MHz, NF

Series: Radome Omni

PART NUMBER: RO8605NFC



Features:

- Omnidirectional antenna
- Gain 5dBi
- Polarization Vertical
- Connector N-female
- Length 812.4mm
- Power withstanding 50W
- IP67

Applications:

- 860-960MHz radios
- ISM 868 / 915MHz

All dimensions are in mm / inches

Issue:1651

RoHS COMPLIANT

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PulseLARSEN Antennas

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ELECTRICAL SPECIFICATIONS

Antenna type	Collinear dipole array
Frequency	860-930 MHz
Nominal Impedance	50 Ω
VSWR	2:1
Gain	5 dBi
Efficiency	65 % Min
HPBW H-Plane	360 °
HPBW E-Plane	22 °
Polarization	Vertical
ESD Protection	DC Grounded
Power withstanding	50 W
Connector type	N-Female

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MECHANICAL SPECIFICATIONS

Plastic radome	Pultruded Fiberglass
Color	White
Ingress Protection	IP67
Weight	275 g
Wind-loading	201.2 kph (125 mph)
Antenna Length	812.4 mm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 to +85° C

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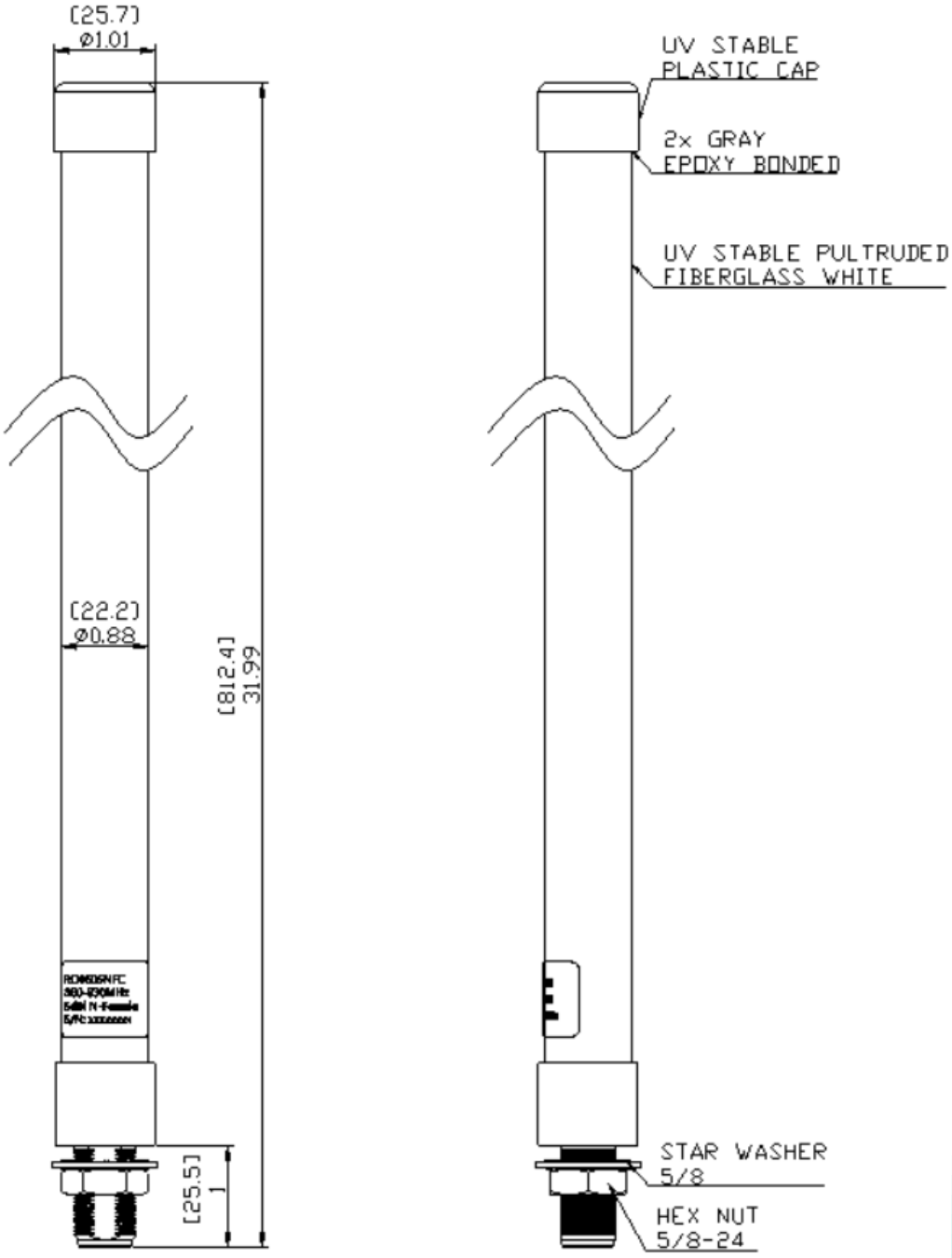
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MECHANICAL DRAWING



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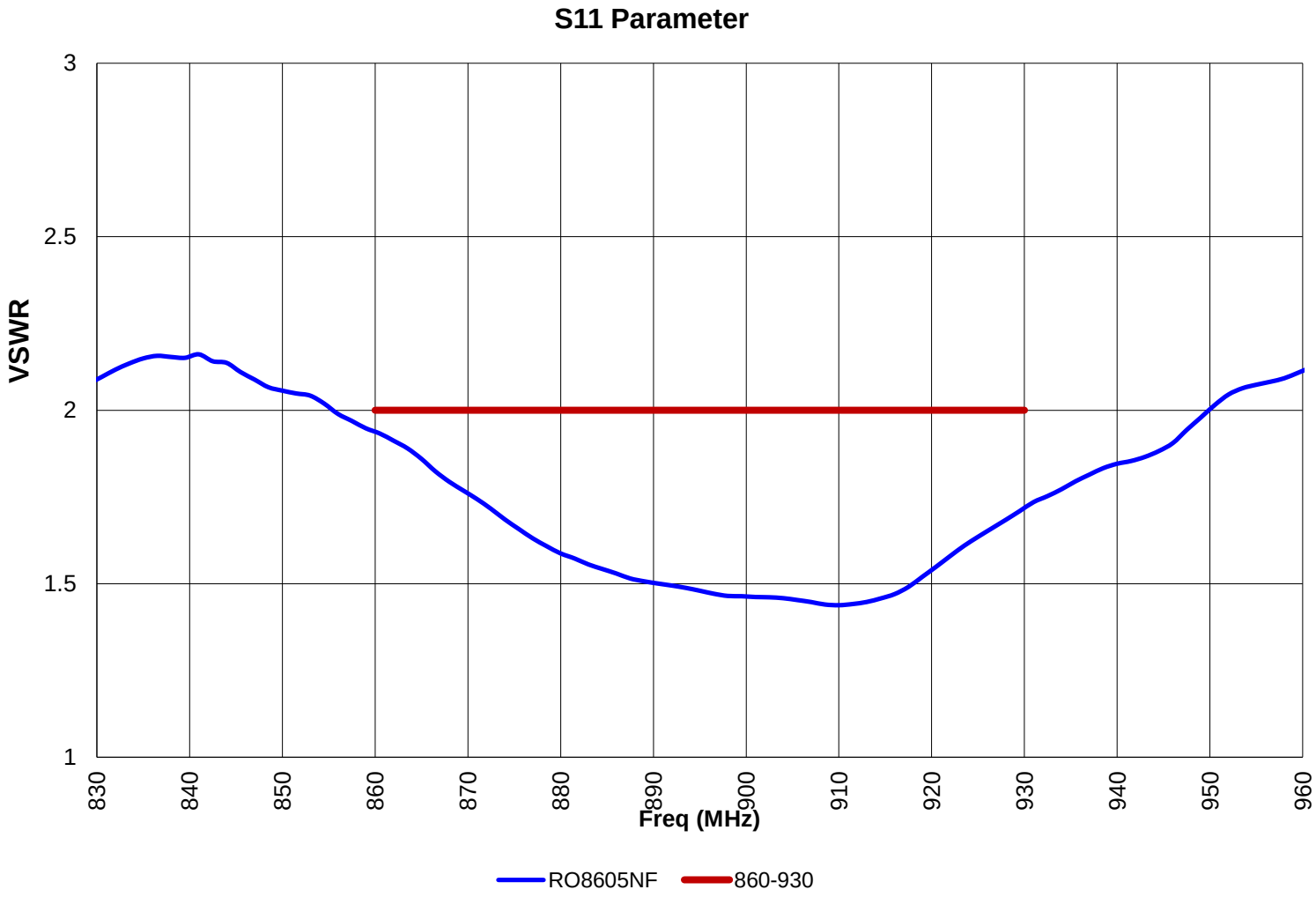
RoHS COMPLIANT

Description: RO, 5dBi, 860-930MHz, NF

Series: Radome Omni

PART NUMBER: RO8605NFC

CHARTS



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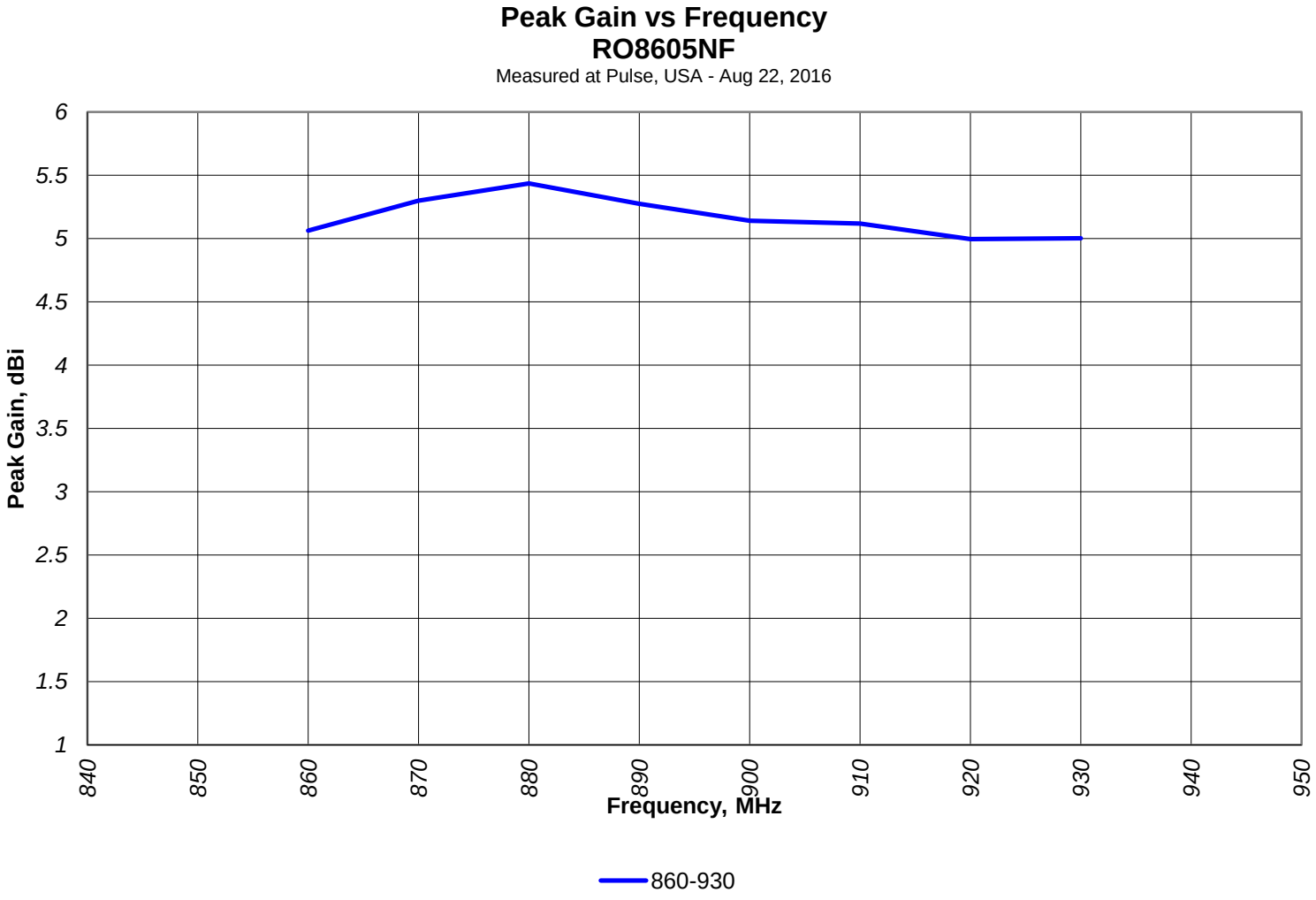
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CHARTS



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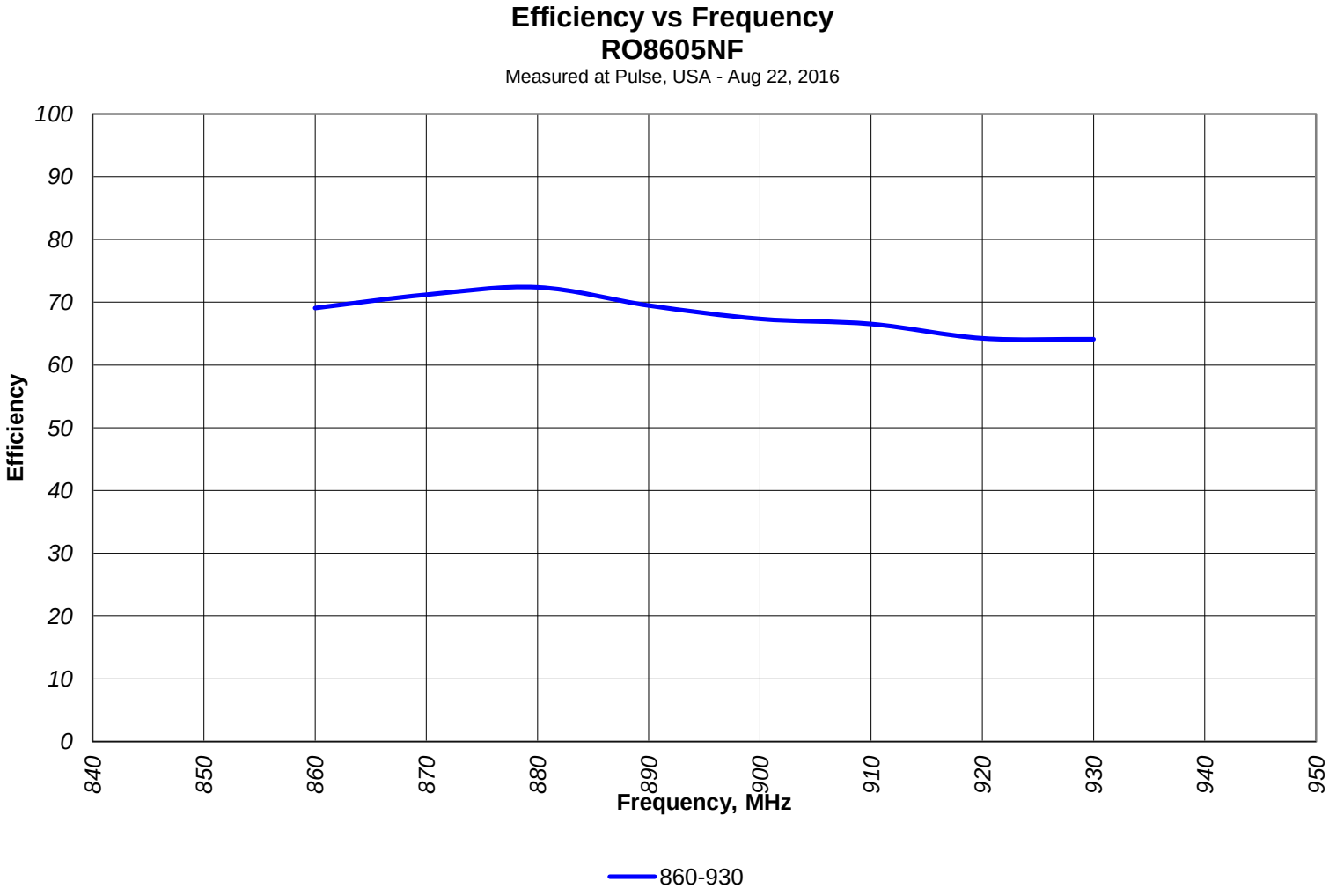
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CHARTS



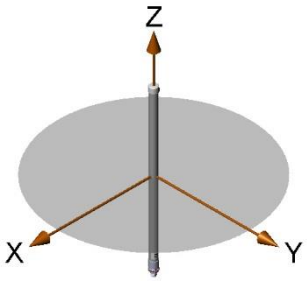
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CHARTS



860
Avg (dBi) = 4.91
Peak (dBi) = 5.06
Avg -3 (deg) = 360

890
Avg (dBi) = 5.13
Peak (dBi) = 5.28
Avg -3 (deg) = 360

930
Avg (dBi) = 4.86
Peak (dBi) = 5.01
Avg -3 (deg) = 360

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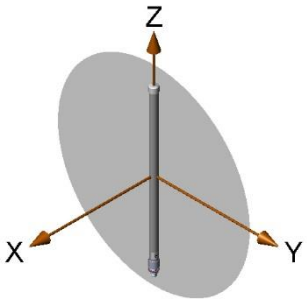
RoHS COMPLIANT

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CHARTS



860
Avg (dBi) = -11.36
Peak (dBi) = 5.02
Avg -3 (deg) = 22

890
Avg (dBi) = -12.07
Peak (dBi) = 5.26
Avg -3 (deg) = 22

930
Avg (dBi) = -12.50
Peak (dBi) = 5.10
Avg -3 (deg) = 22

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PACKAGING

Pack each Antenna in PE bag, 40 sets in one carton box with one big PE bag

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