






Outdoor Omni Directional Dipole with Bracket

RO450NFKIT - 410-520 MHz



Features & Applications:

-  LTE 450 MHz Access
-  Base station
-  Ground independent
-  Mounting Bracket included
(720-hour salt spray rating)
-  Security and CCTV

Electrical specifications @ 25° C

Frequency Band – 410-520 MHz

Antenna type ¹	Nominal Impedance	Polarization	Radiation pattern	Power withstanding	DC Ground
Dipole	50Ω	Vertical	Omni	60W	Yes

Frequency (MHz)	410-520
VSWR	1.5:1 Typical (2:1 Max)
Average Peak Gain (dBi)	2.3
Average Efficiency (%)	92
HPBW Vertical Plane (°)	74

Mechanical Specifications

RO450NFKIT

Size (Diameter x Height)	Color	Weight	Connector Type	Fixing System ²
62.2 (2.45") x 216.4 (8.64") mm	White	680.4grms (1.5lbs)	N-Female	Direct Mount
Housing Material	Operating Temperature	Storage Temperature	Ingress Protection	RoHS-6 Compliant
PET+PC, UV stable	-40°C to +85°C	-40°C to +85°C	IP67	Yes

Notes:

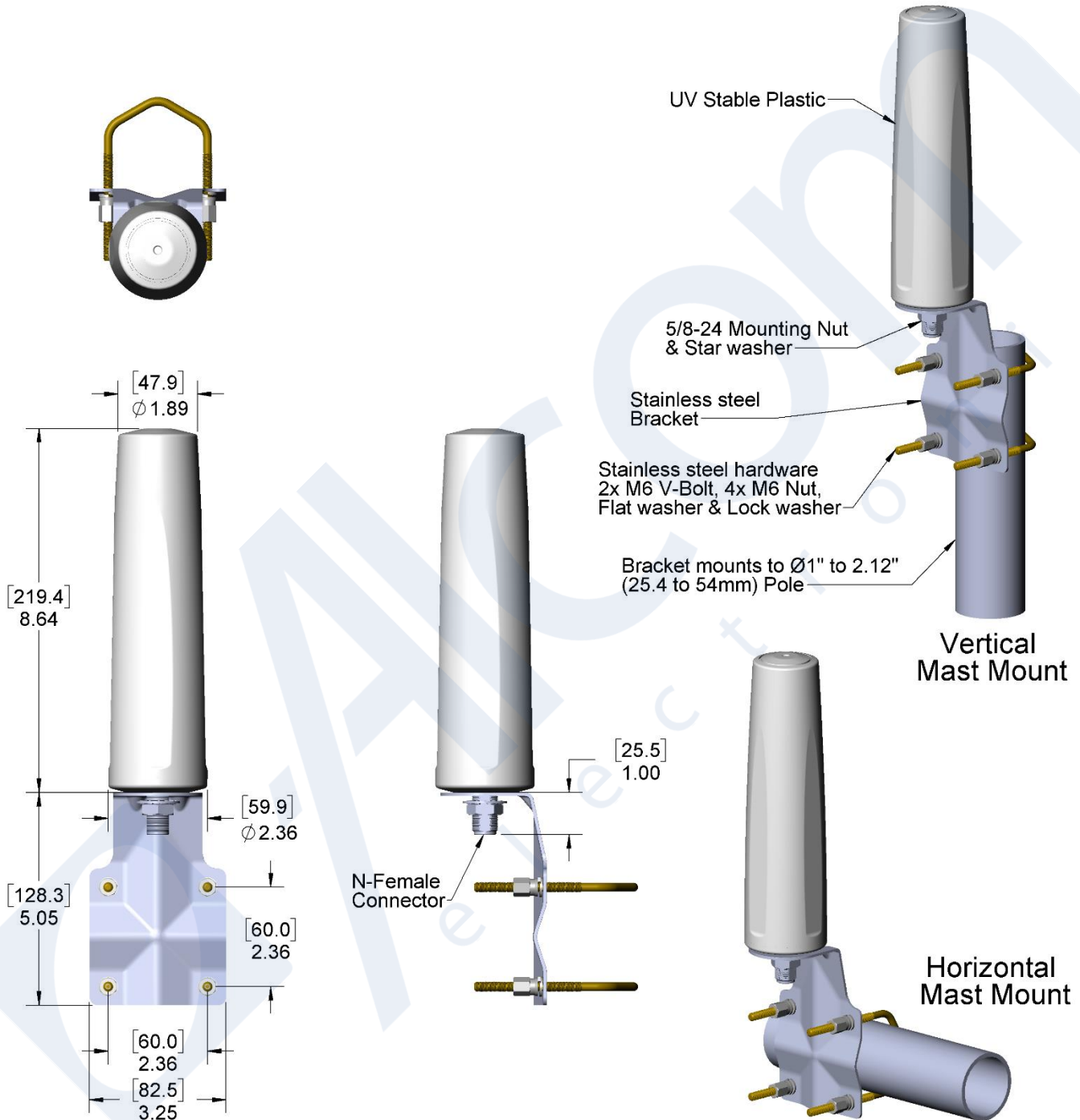
1. Measured with bracket
2. Ø15.9mm (0.625") mounting hole required

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Mechanical Drawing

RO450NFKIT



Dimensions: Inches (mm)

Unless otherwise specified, all tolerances are $\pm .010$ (0.25mm)

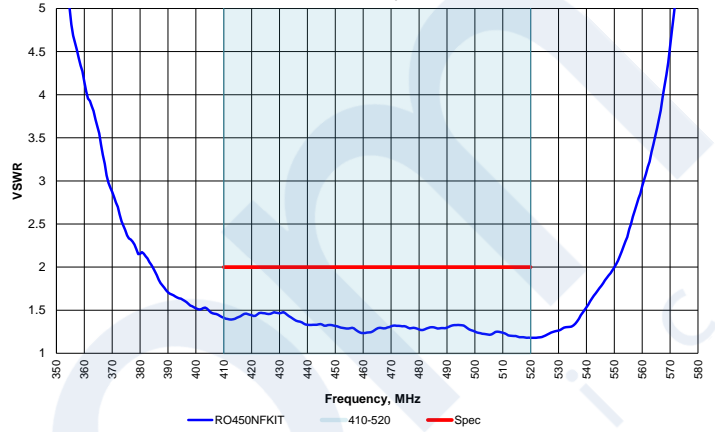
Charts

RO450NFKIT

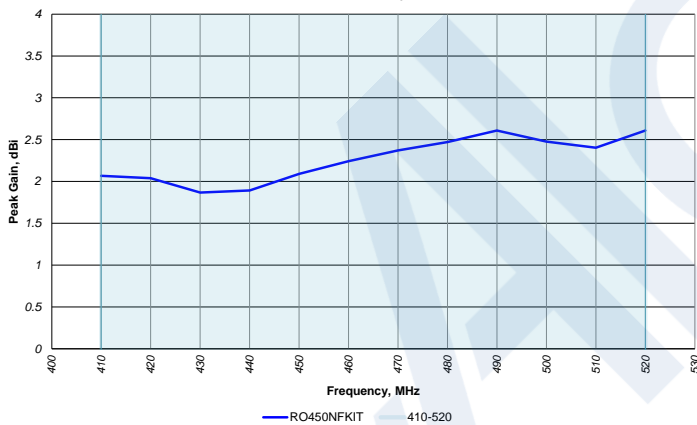
Test Setup:
RO450NFKIT antenna sample measured with bracket.



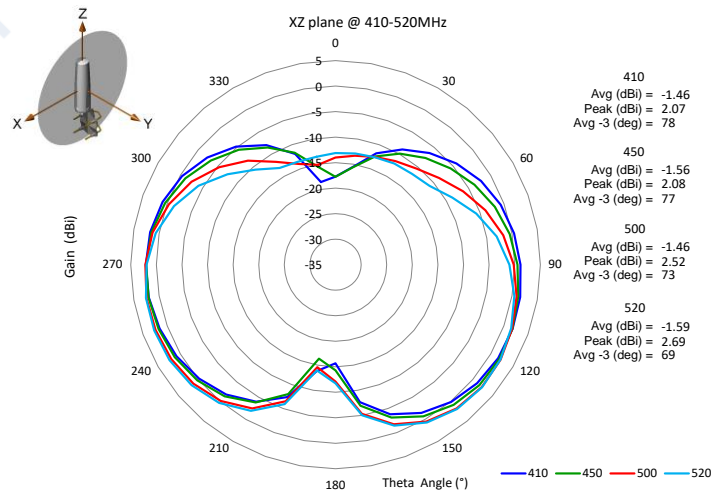
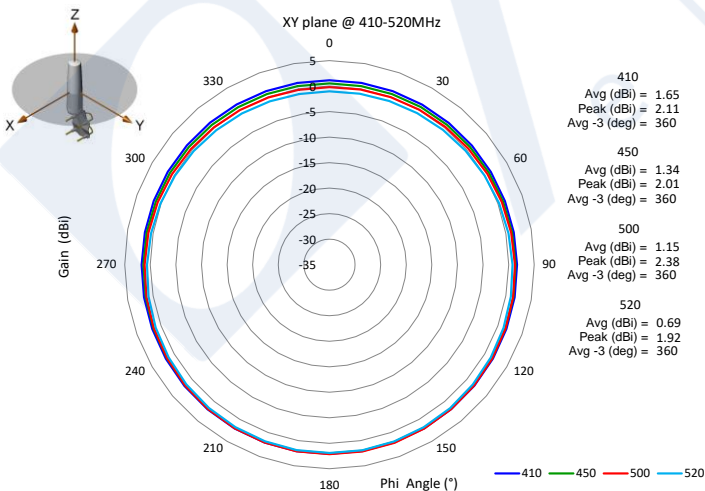
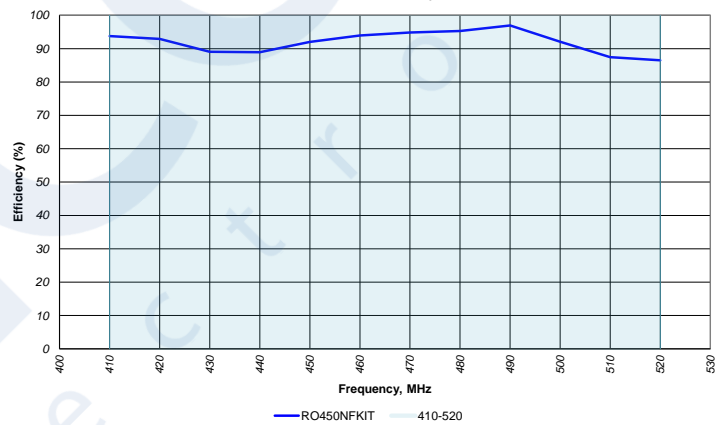
VSWR vs Frequency
RO450NFKIT Measured With bracket
Measured at Pulse, USA - Aug 31, 2022



Peak Gain vs Frequency
RO450NFKIT Measured With bracket
Measured at Pulse, USA - Aug 31, 2022



Efficiency vs Frequency
RO450NFKIT Measured With bracket
Measured at Pulse, USA - Aug 31, 2022



Packaging

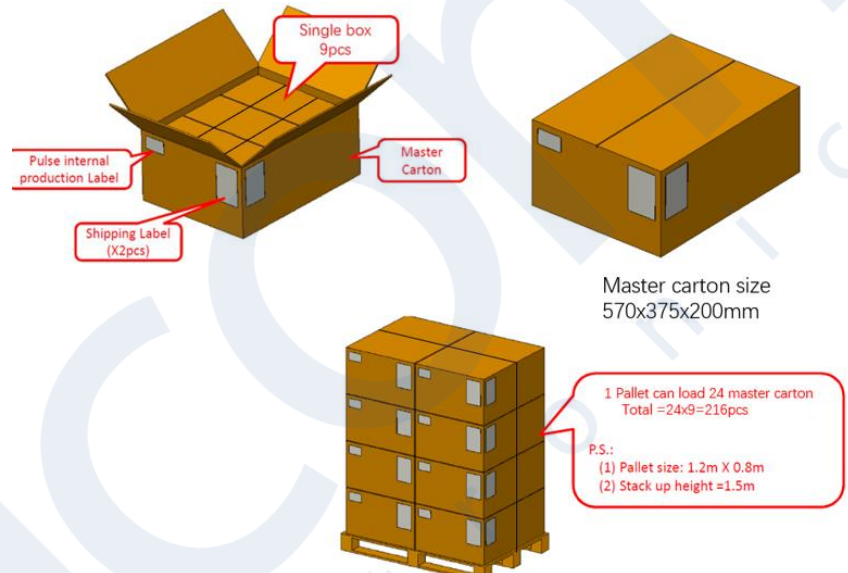
RO450NFKIT

Packaging info:

1 antenna packed in single box (285x155x90mm)

9 single boxes packed in out carton box (570x375x200mm)

1 label on each box with part number, description, date code.



Notes:

1. Please contact sales for availability, lead time, and/or any special requests. Samples available upon request.

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
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