Part No. X9001492-GNDNMW
GPS/GLONASS Active External Antenna

1575 MHz, 1602 MHz

Supports: Tracking, Smart Home, Agriculture, Healthcare, Industrial Devices

GPS / GLONASS Active External Antenna

1575 MHz, 1602 MHz

KYOCERA AVX antennas deliver on the key needs of device designers for higher functionality and performance in a robust form factor. This innovative antenna provides compelling advantages for GPS/GLONASS enabled devices, such as having easy adaption to a new or existing products.

Electrical Specifications

Typical characteristics in free-space

Frequency (GPS-GLONASS)	1575 MHz	1602 MHz
Gain at Zenith	26.8 dBi	30 dBi
VSWR	2.0:1 max	
LNA Electrical Properties		
Frequency (GPS-GLONASS)	**1575 MHz**	**1602 MHz**
VSWR	2.0:1 max	
Impedance	50 Ω	
Antenna Gain (@4.9 V)	38 dB	
DC Power Input	3~5 V	
Noise Figure	<1.3 dB	
Power Consumption	18~35 mA	

Mechanical Specifications & Ordering Part Number

Ordering Part #	X9001492-GNDNMW
Dimensions (mm)	Ø96.4 x 77.5
Mounting Type	Screw
Operating Temperature °C	-40 ~ +80
Weight (grams)	150
Housing Material & Color	ABS (White)
Connector	N-type (M)
Waterproof	IP67 (Not including line port)

KEY BENEFITS

Reduced Costs & Time-to-Market

Standard antennas eliminate design fees, redesign cycle time and minimize risk associated with customer solution. Quicker time to market.

Quicker Time-to-Market

By optimizing antenna size, performance and emissions, customer and regulatory specifications are more easily met.

Environmental Compliance

Products are the latest RoHS version compliant.

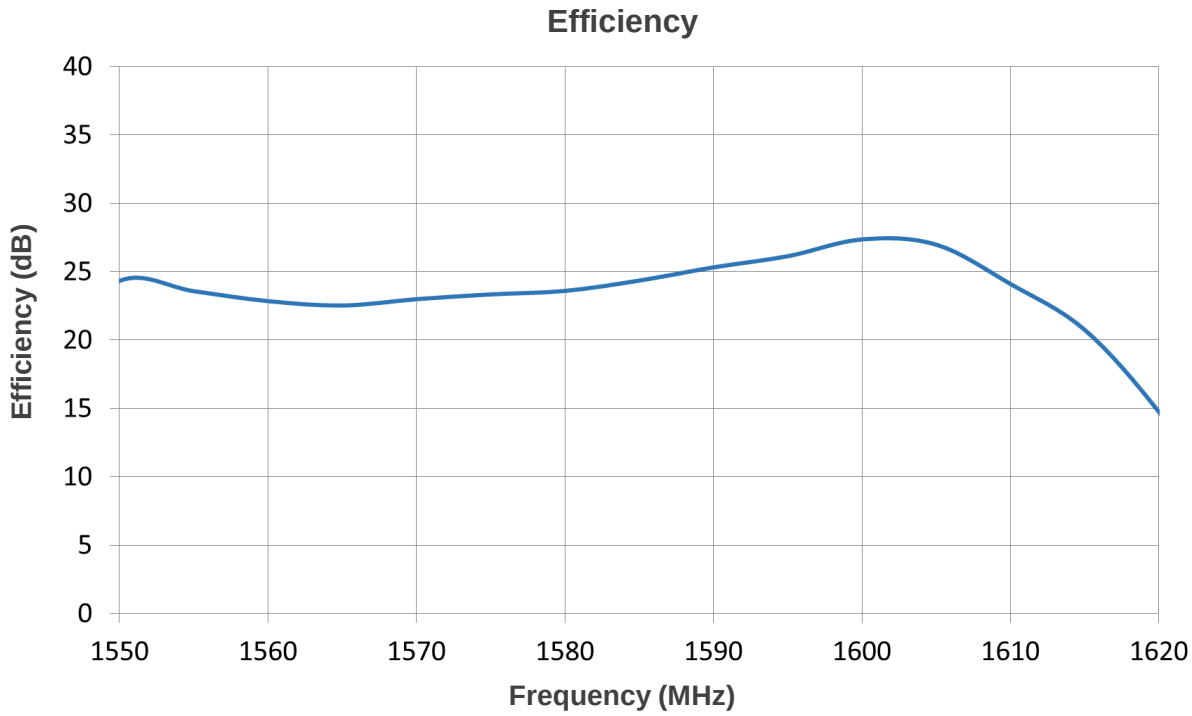
APPLICATIONS

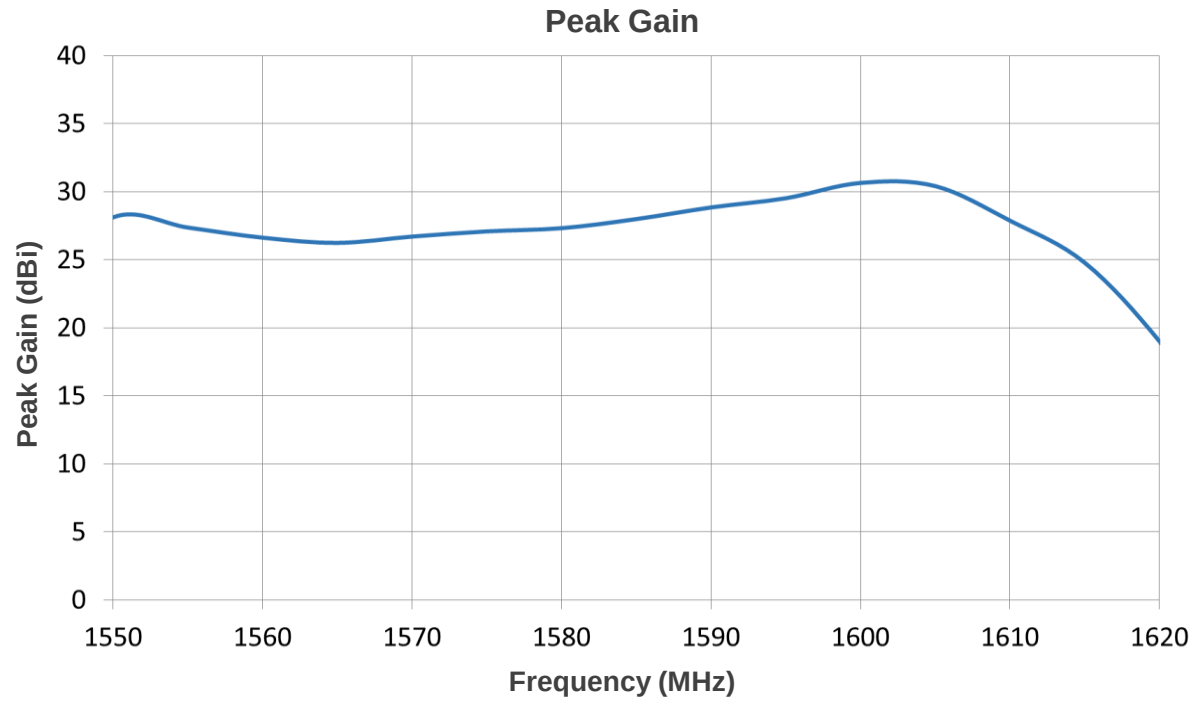
- Small Cells
- Telematics
- Tracking
- M2M, Industrial devices
- Smart Grid

GPS/GLONASS Active KYOCERA AVX External Antenna Specifications.
KYOCERA AVX produces a wide variety of standard and custom antennas to meet user needs.

Typical Efficiency and Peak Gain Plots

Typical performance in Free-space





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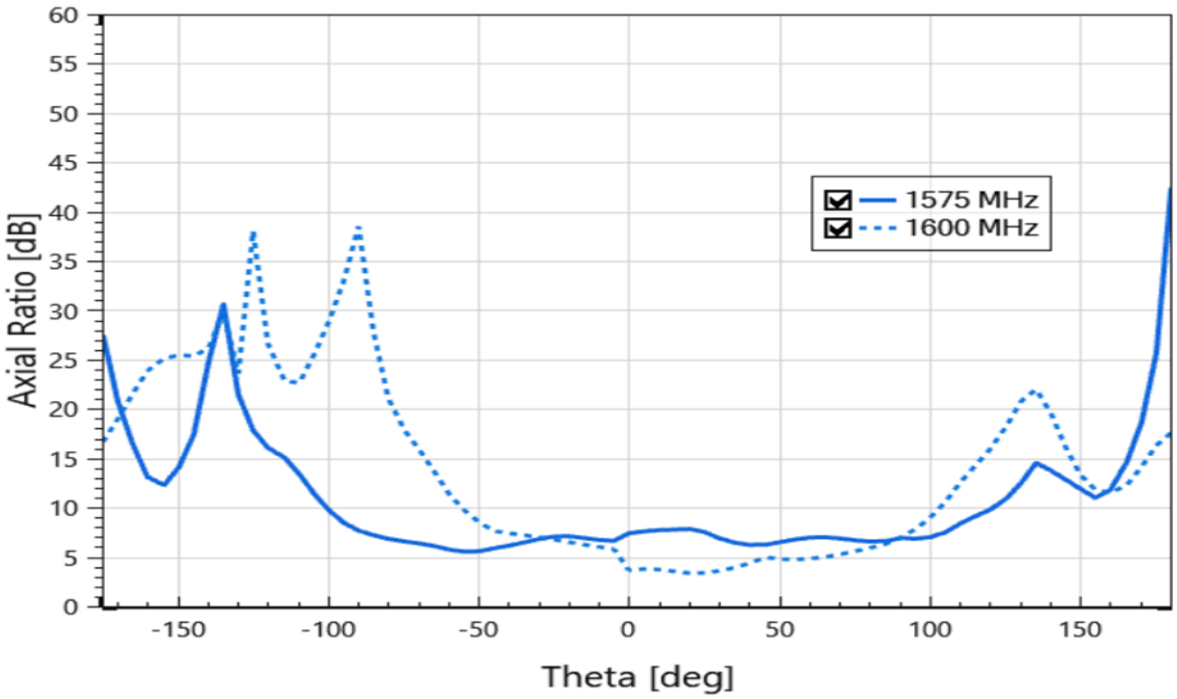
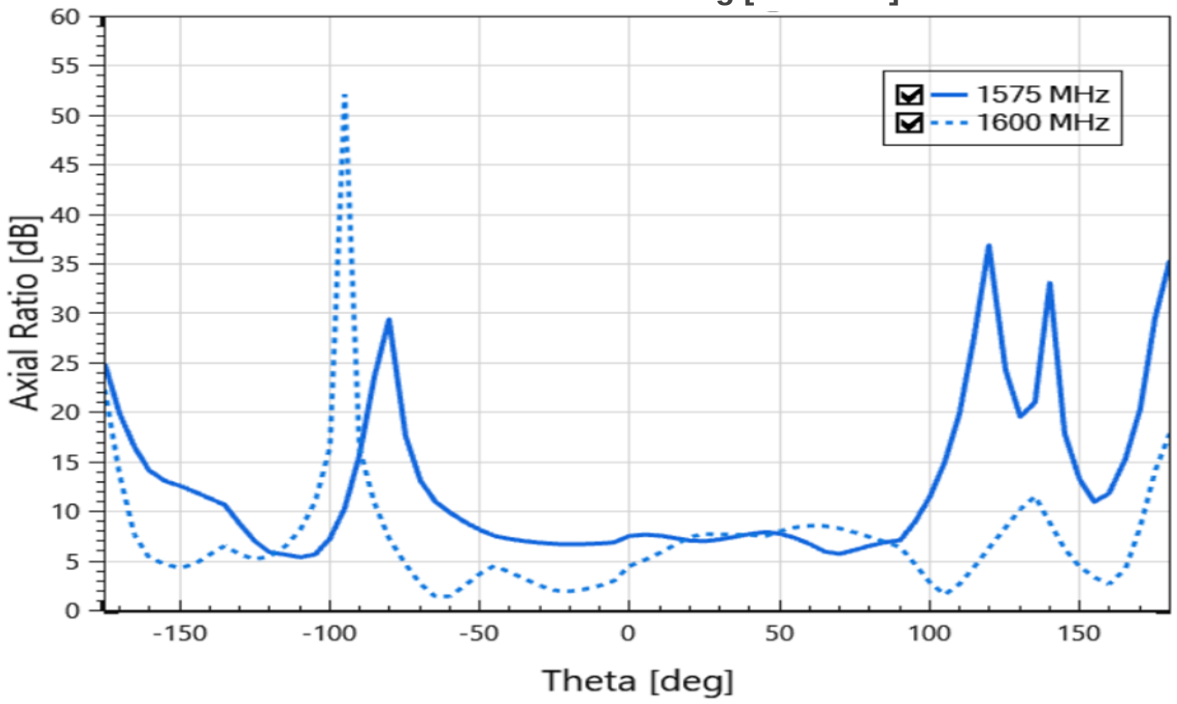
Typical Axial Ratio Plots

Typical performance in Free-space

Axial Ratio Phi = 0 deg [Plane XZ]



Axial Ratio Phi = 90 deg [Plane YZ]



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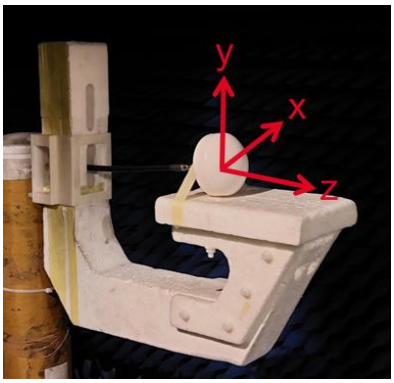
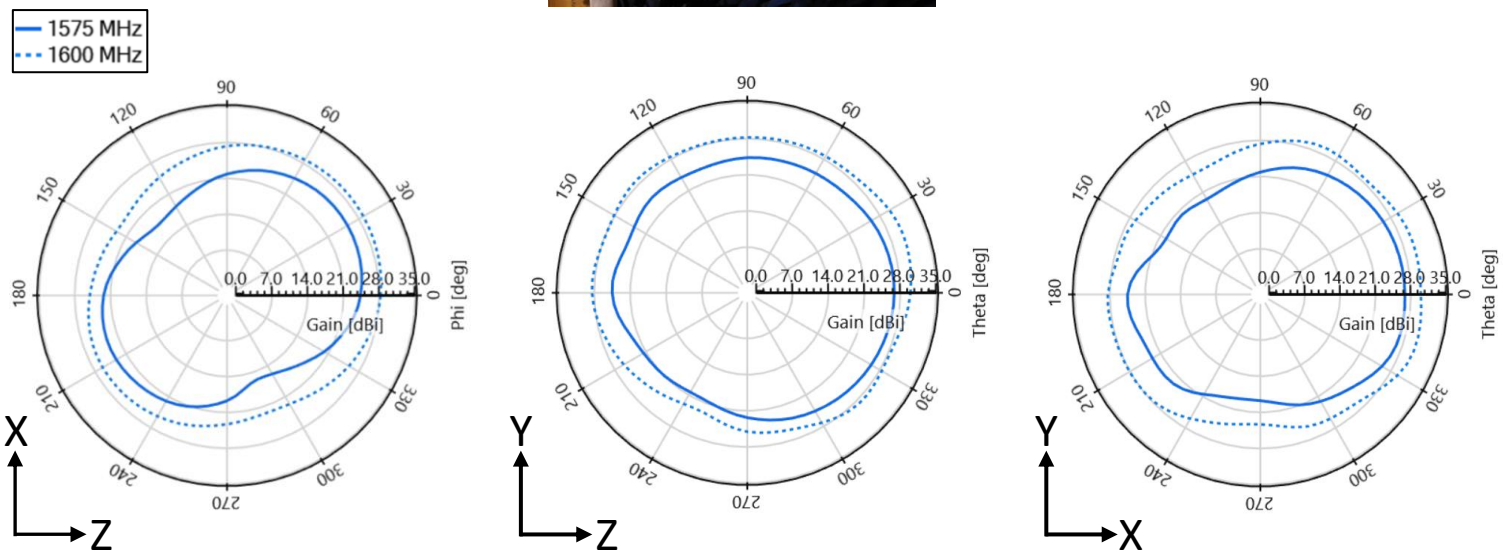
Antenna Radiation Patterns

Typical performance in Free-space
Measured @ 1575 MHz, 1600 MHz





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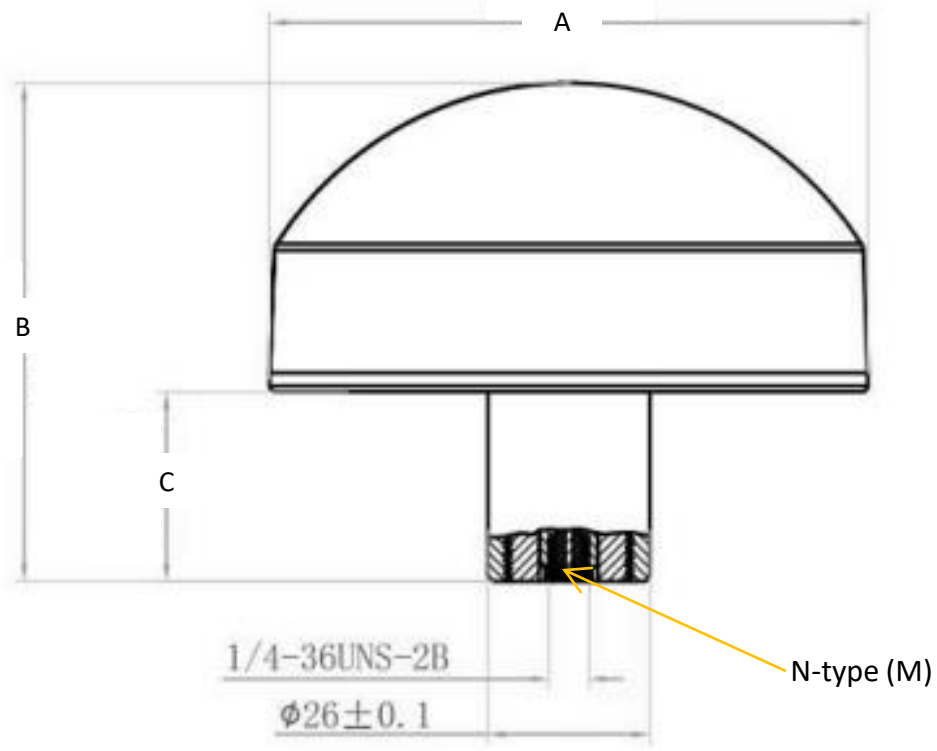
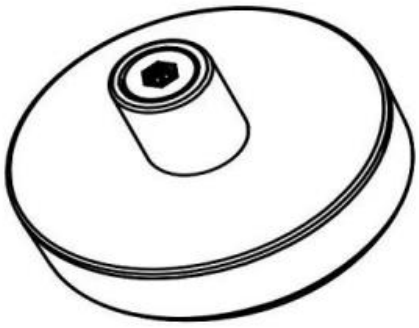
Mechanical Dimensions

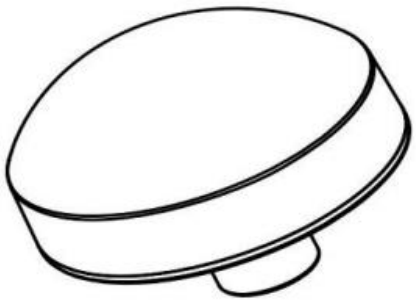
Typical Antenna Dimensions (mm)

Part Number	Description	Connector	A	B	C
X9001492-GNDNMW	GPS/GLONASS	N-type (Male)	Ø96.4 ± 2.0	77.5 ± 1.0	30.0 ± 0.1



Side View





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