

NANEA81X14PJVCG3CF

GNSS & LTE Active External Antenna



Description

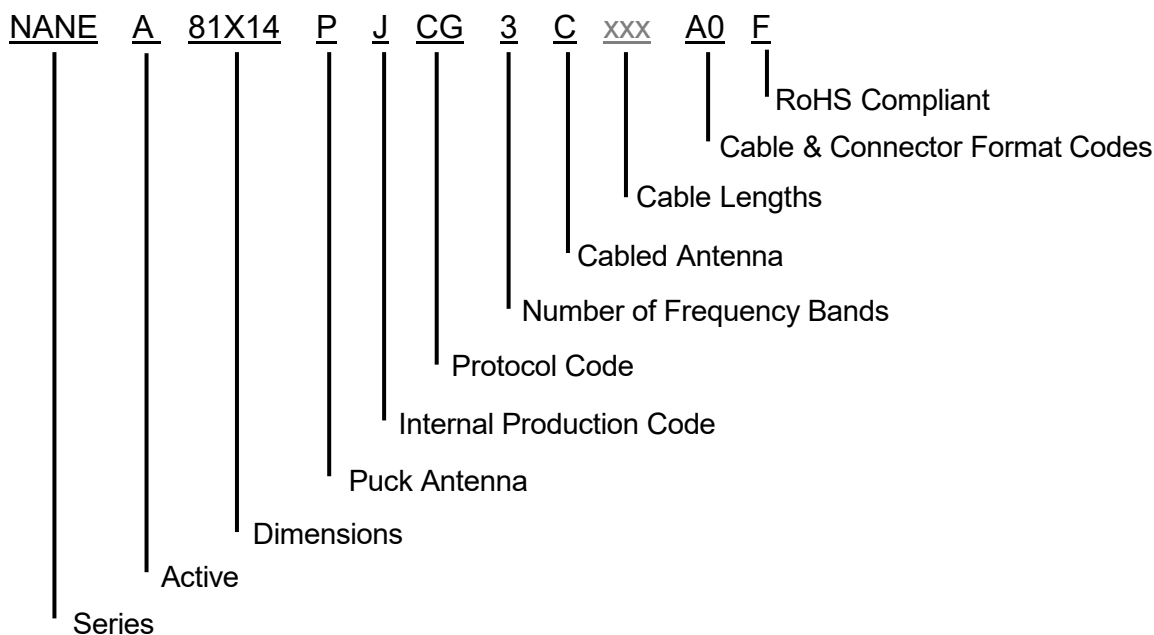
The NANEA81X14PJVCG3CF is an external active external antenna designed for GPS L1 applications. It operates within the frequency range of 698~960MHz, 1595MHz, and 1710~2690MHz making it perfect for use in Tracking, Fleet management and Cellular Communication



Features

- GNSS & LTE Protocols
- Waterproof(IP67)
- Customizable Cable & connectors
- RoHS Complaint

Part Number Breakdown



Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA81X14PJVCG3C302A0F	GNSS L1 & Cellular	SMA Male	RG174	3000 mm
NANEA81X14PJVCG3C102A0F	GNSS L1 & Cellular	SMA Male	RG174	1000 mm

The table represents assembled part numbers available on www.niccomp.com. For options not listed above please contact NIC

Specifications

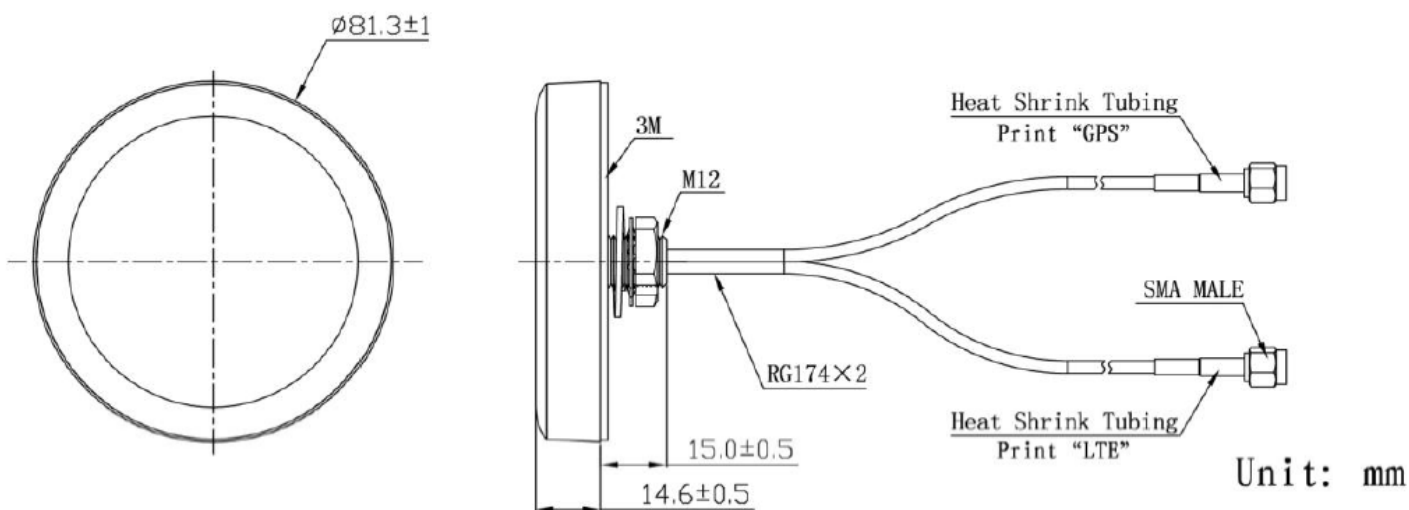
Electrical	
Frequency Range	1595 ± 3 MHz
Gain	2 dBic (max.)
VSWR	< 1.5
Polarization	RHCP
Impedance	50 Ω
LNA	
Gain	28 ± 2dB
Noise Figure	< 2 dB
Supply Voltage	3 ~ 5V DC
Current Consumption	< 20 mA
V.S.W.R.	< 2.0
LTE	
Frequency Range	698~960MHz 1710~2690MHz
VSWR	< 3.0
Gain	2.5 dBi
Polarization	Linear
Impedance	50 Ω
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67 (Exclude Cable Outlet)
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Mounting Method	Screw
RoHS Compliant	Yes

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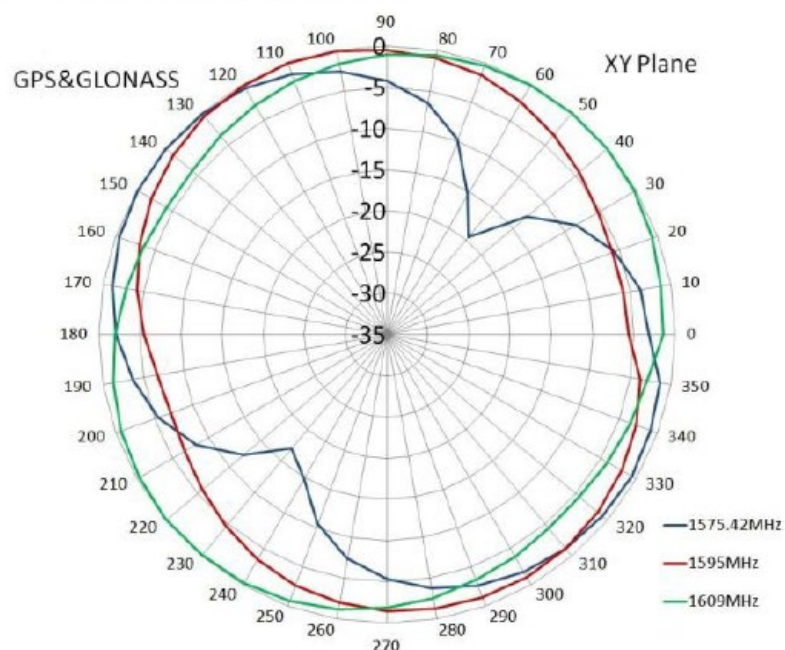


Dimensions



Radiation Patterns

GPS&Glonass Antenna



Performance Passives By Design

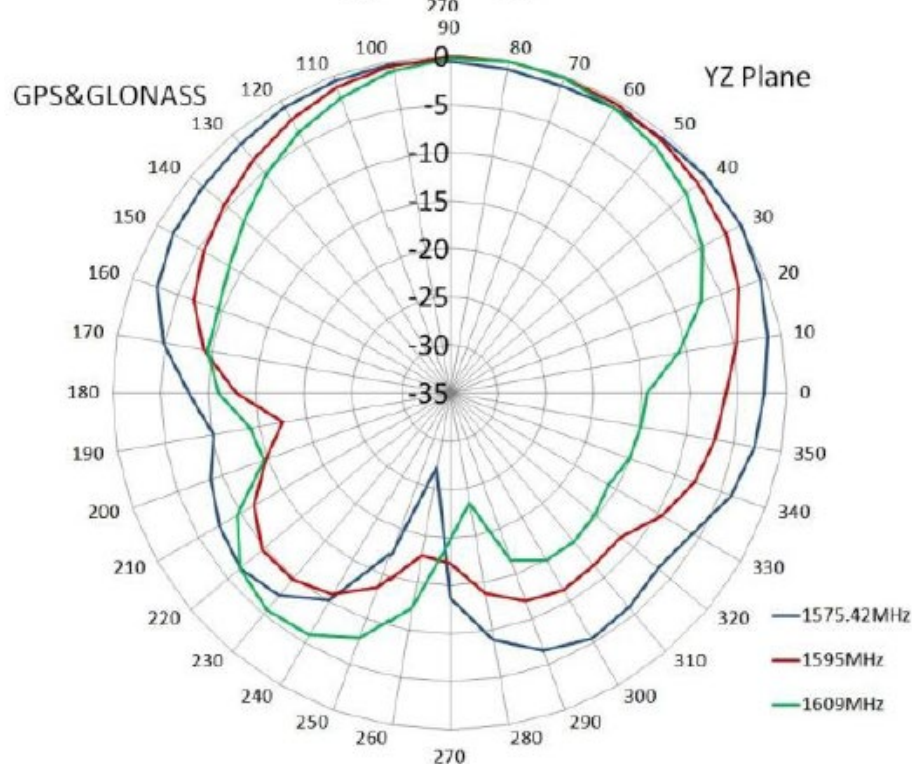
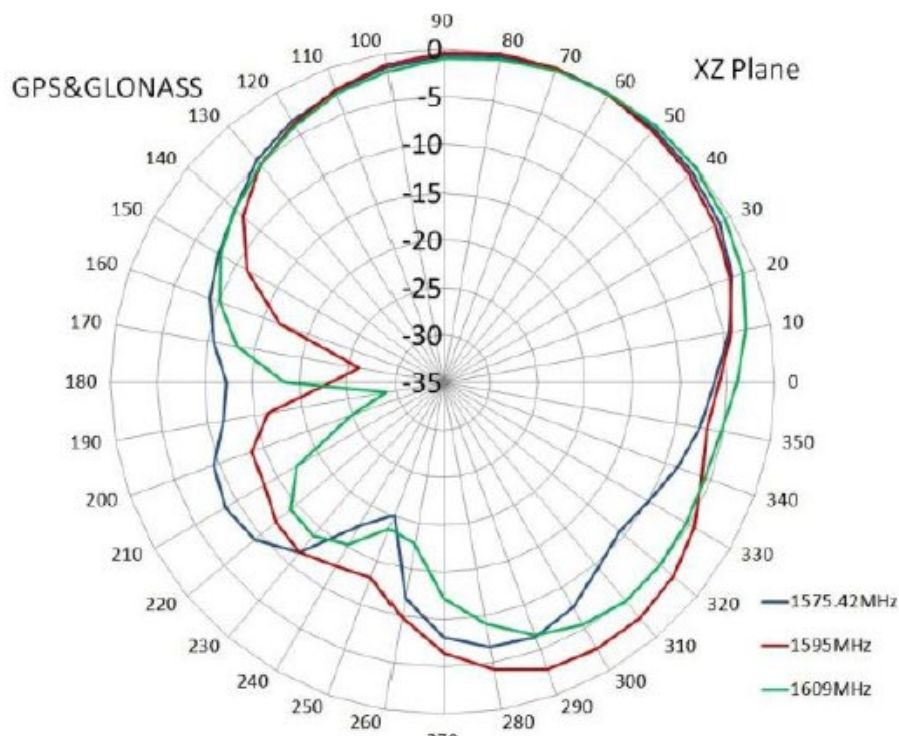
NIC Components Corp.
100 Baylis Road. Melville, NY 11747

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www.niccomp.com

Last Updated 1/30/2025. Specification subject to change without notice. Please check web site or contact NIC for latest information

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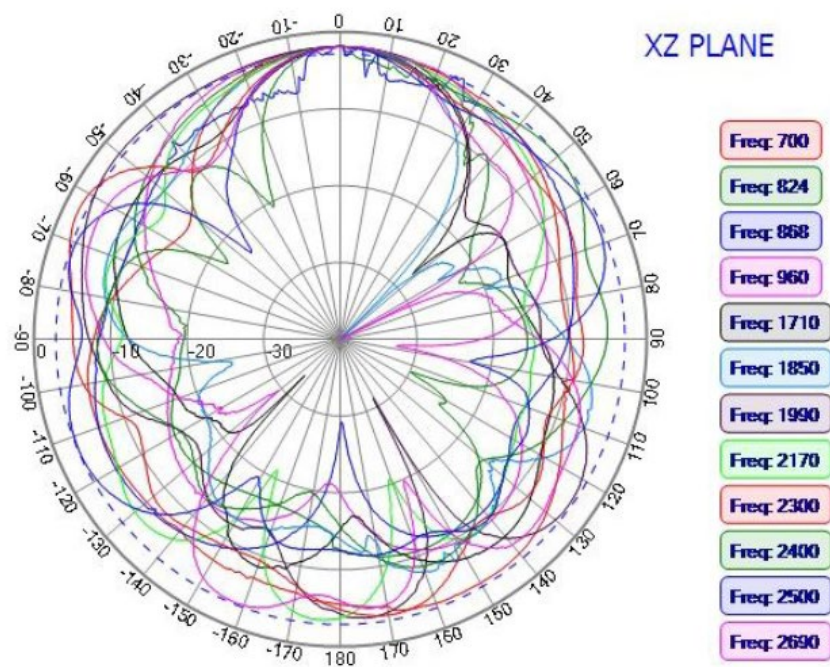
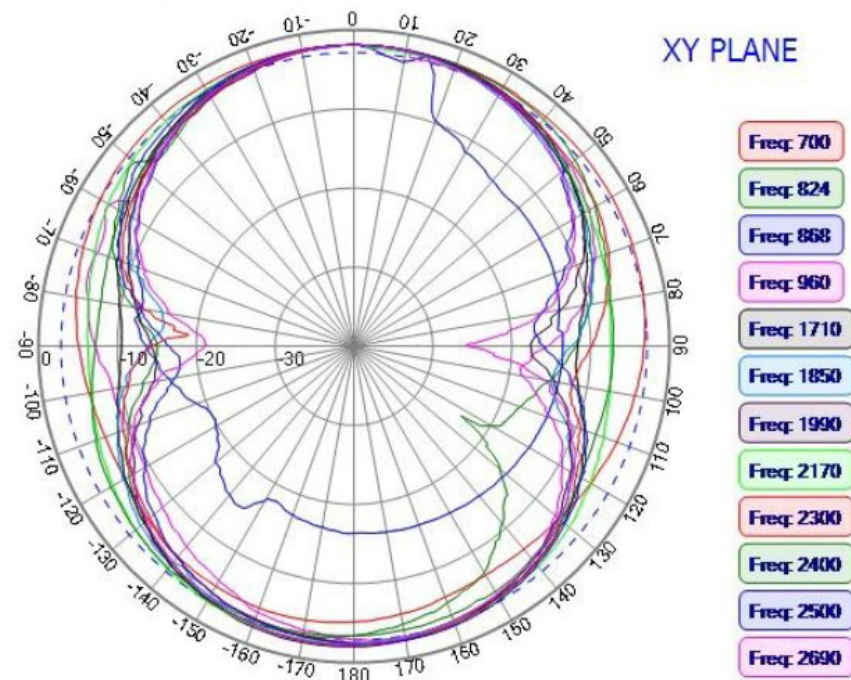


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LTE Antenna



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