

NANEA81X14PJVCG3C302A1F

GPS/GLONASS & LTE External Antenna



Description

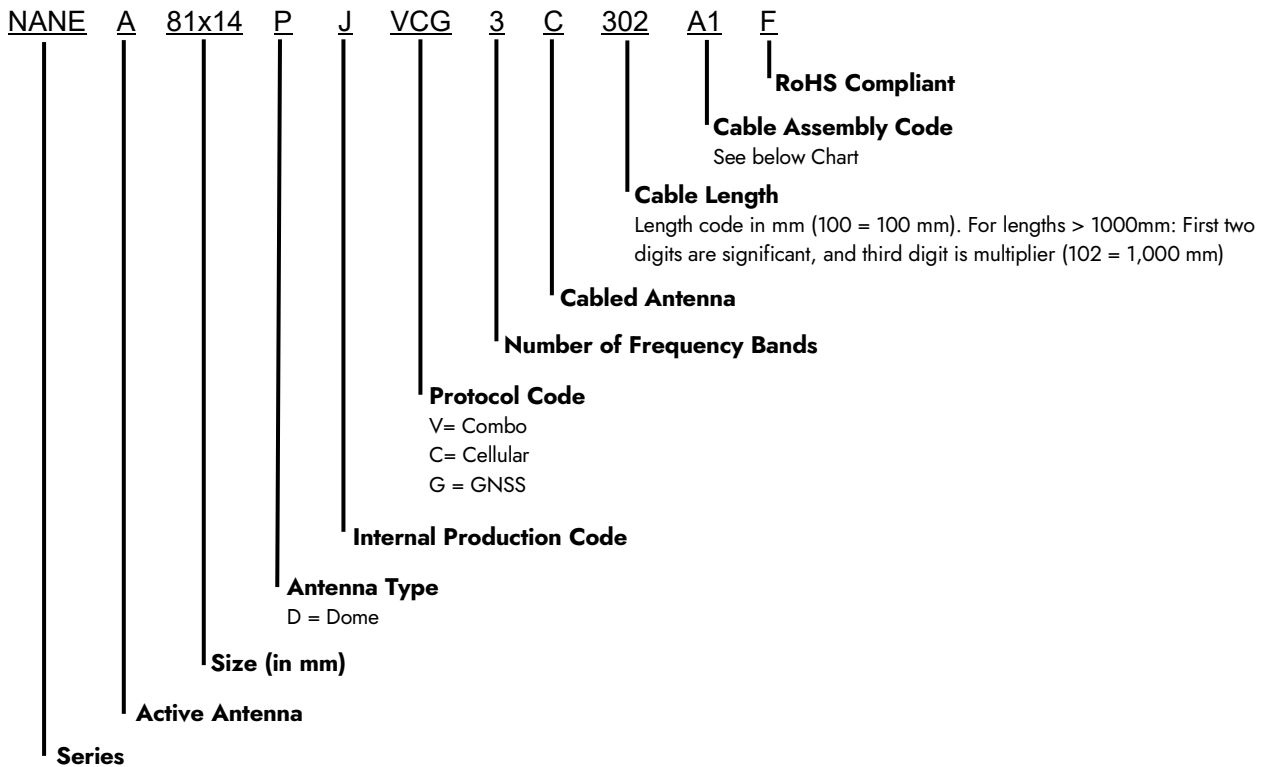
NANEA81X14PJVCG3C302A1F is an External Antenna designed for GPS & GLONASS L1 /G1 applications. It operates within the frequency ranges of 1561 ~ 1602MHz, 698~960MHz and 1710~2690MHz making it perfect for Gateways, Routers, and Smart Meters.



Features

- GPS & GLONASS L1 /G1 & LTE Protocols
- Waterproof (IP67)
- Customizable Cable & Connectors
- RoHs Compliant

Part Number Breakdown



Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA81X14PJVCG3C302A1F	GNSS & LTE	N Female	RG174	3000 mm

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

Performance Passives By Design

Specifications

Electrical

Frequency Range	1561 ~ 1602 MHz
Gain	2 dBic (max.)
VSWR	≤ 1.5
Axial Ratio	3 dB (max.)
Polarization	RHCP
Impedance	50 Ω

LNA

Gain	28 $\pm$ 2dB
V.S.W.R.	< 2.0
Supply Voltage	3 ~ 3.3V DC
Current Consumption	≤ 25 mA
Noise Figure	< 2 dB

LTE

Frequency Range	698~960MHz 1710~2690MHz
VSWR	≤ 3.0
Gain	2.5 dBi
Polarization	Linear
Impedance	50 Ω

Environmental

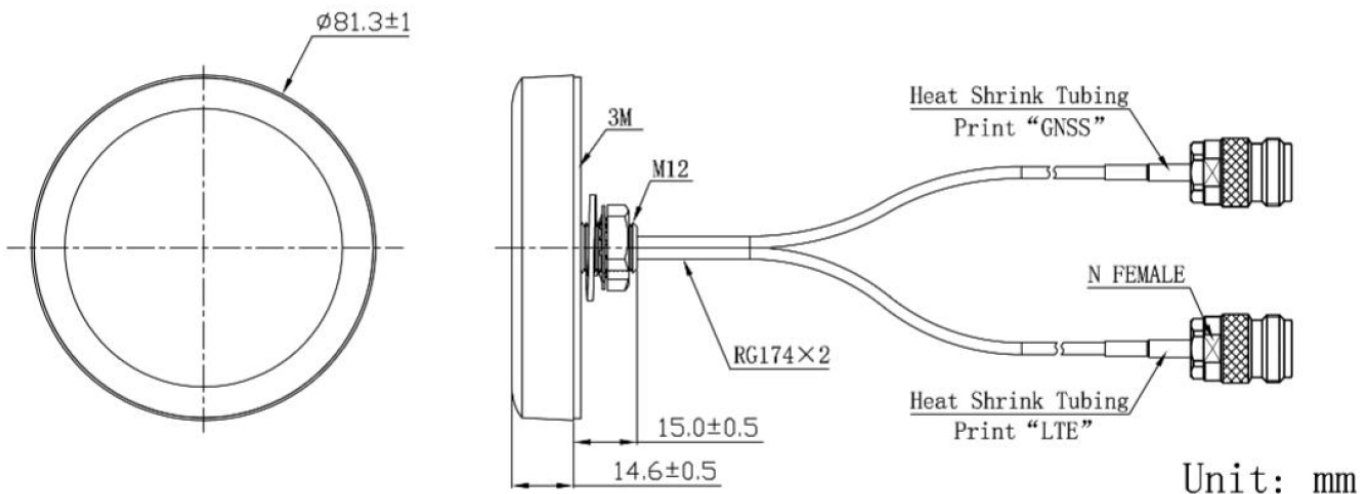
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67 (Exclude Cable Outlet)
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Mounting Method	Screw
Material	ABS
RoHS Compliant	Yes

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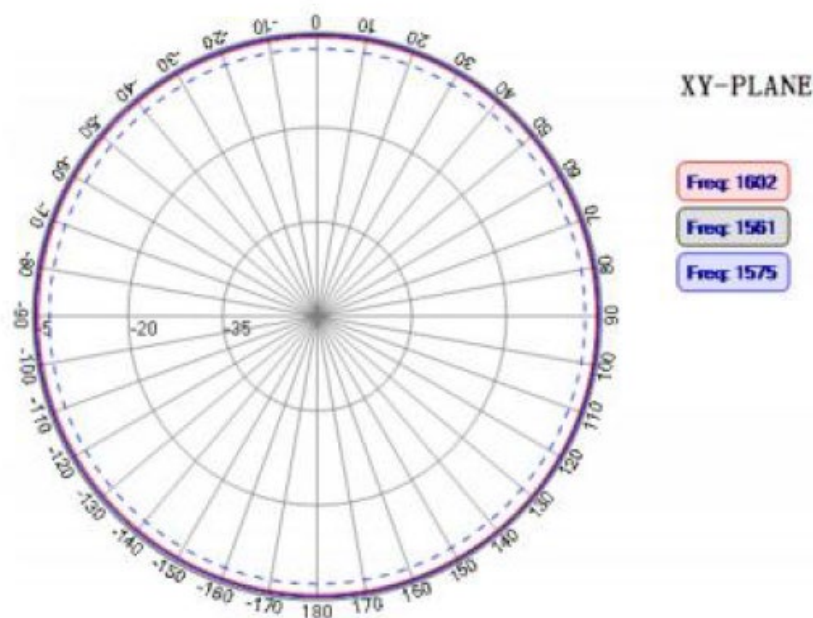


Dimensions

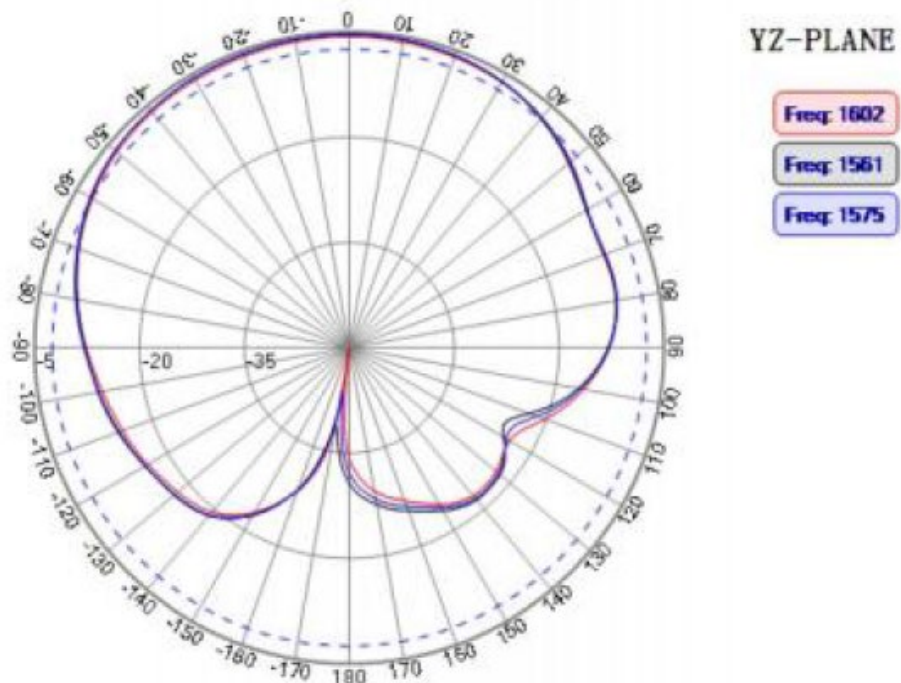
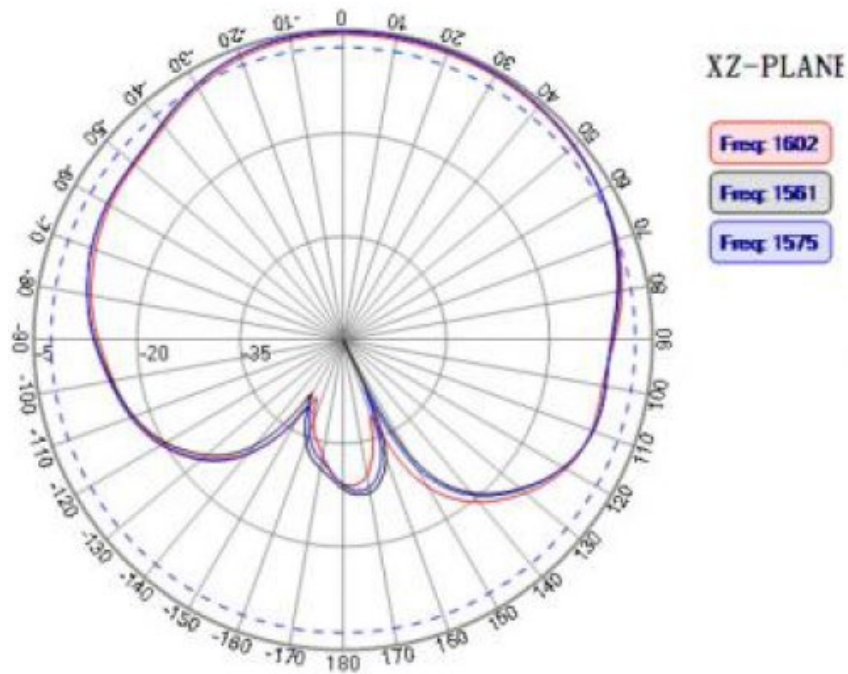


Radiation Patterns

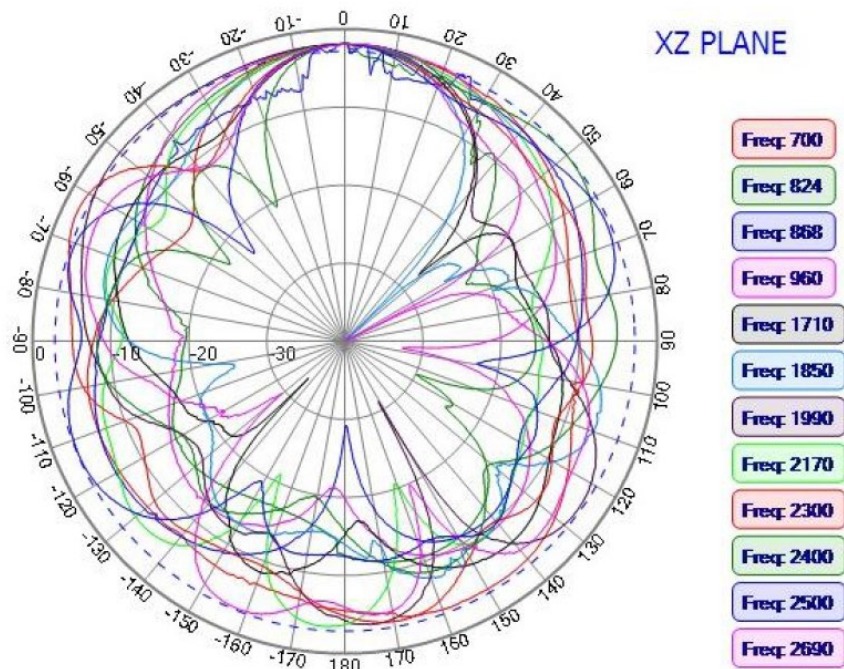
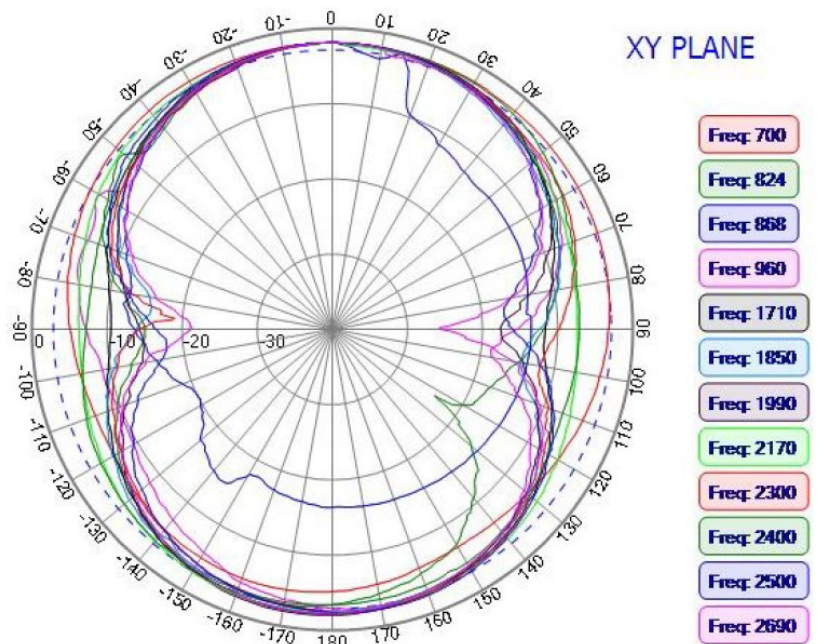
GPS & Glonass:



GPS & Glonass continued:



LTE:



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GPS/GLONASS & LTE External Antenna



LTE continued:

