

NANEA84X81PJVCG3C302A0F

GPS & GLONASS + LTE Active External Antenna



Description

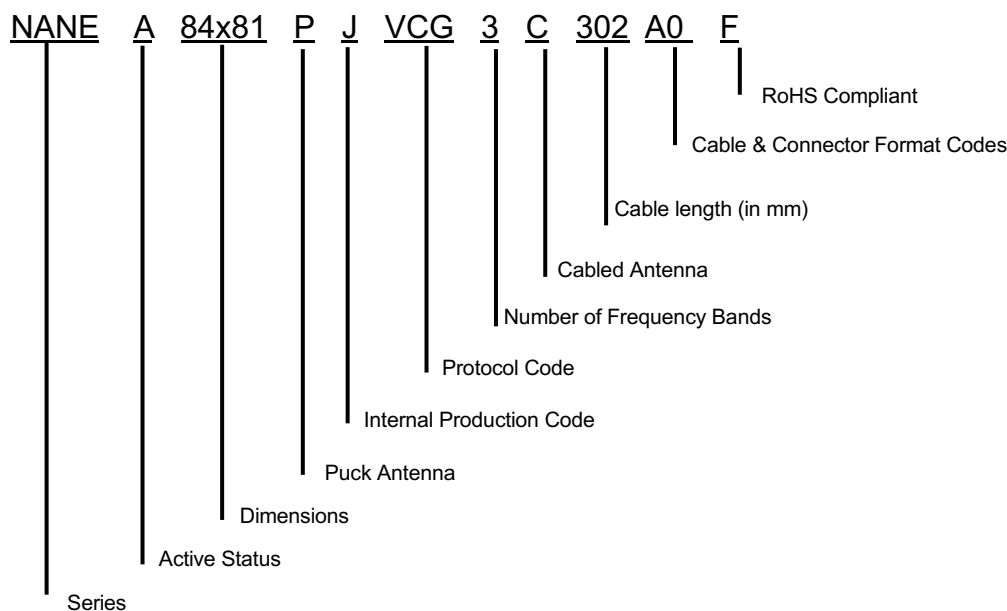
The NANEA84X81PJVCG3C302A0F is an External Active Antenna designed for GPS & GLONASS and LTE applications. It operates within the frequency ranges of 1592 MHz, 698~960MHz 1710~2690MHz making it perfect for Tracking and Fleet Management



Features

- GNSS & LTE protocol
- Waterproof (IP67)
- Customizable Cable & Connectors
- RoHS Compliant

Part Number Breakdown



Assembly Ref	Protocol	Connector Type	Cable Type	Cable Length
A0	GNSS & LTE	SMA Male	RG174	3000 mm

Specifications

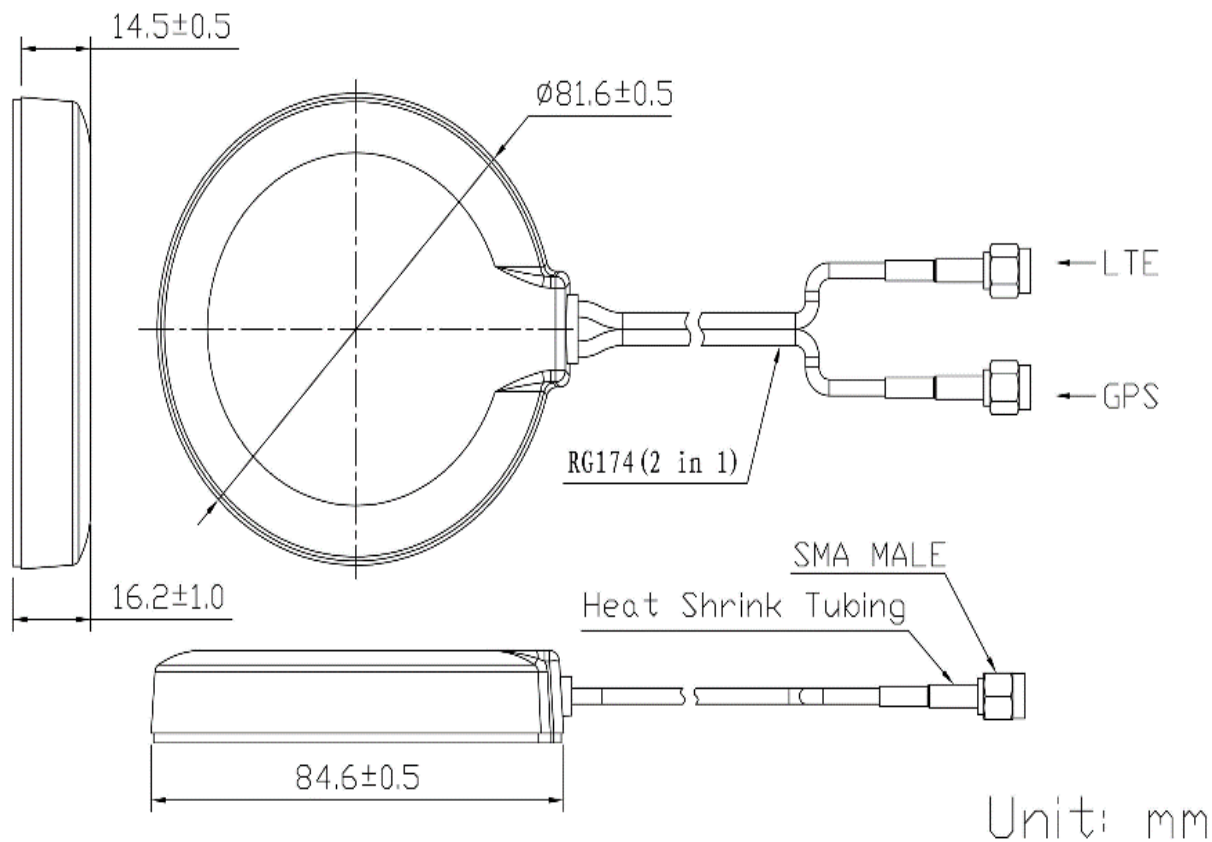
Electrical	
GPS Antenna	
Frequency Range	1592 MHz $\pm$ 3MHz
Bandwidth	CF $\pm$ 5MHz
Polarization	RHCP
Gain	2 dBic (Zenith)
V.S.W.R	< 1.5
Axial Ratio	3 dB (max.)
Impedance	50 Ω
LNA	
Gain	28 $\pm$ 2 dB
Noise Figure	< 1.5 dB
V.S.W.R.	< 2.0
Supply Voltage	2.2 ~ 5 VDC
Current Consumption	5~15 mA
LTE	
Frequency Range	698~960MHz 1710~2690MHz
V.S.W.R	<3.0
Polarization	Linear
Gain	2 dBi (max.)
Impedance	50 Ω
Environmental:	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67
Vibration	10 ~ 55Hz with 1.5mm Amplitude 2 Hours
RoHS Compliant	Yes

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Dimensions



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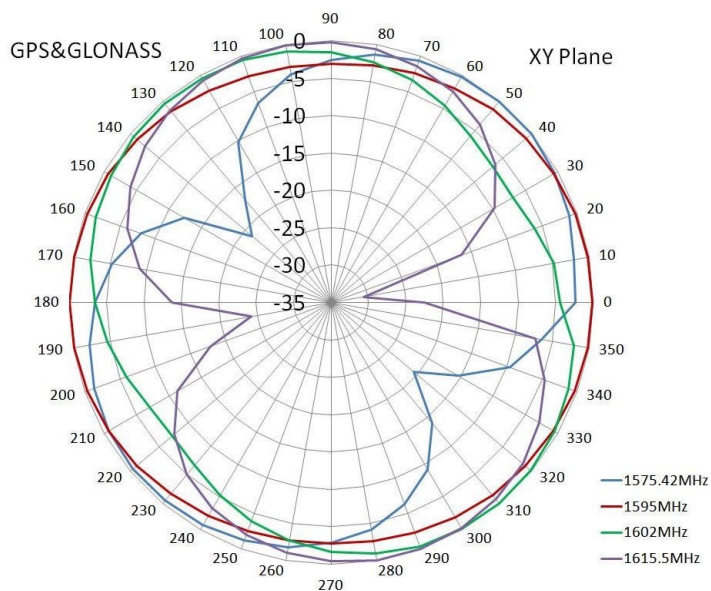
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RADIATION PATTERN



GPS & GLONASS

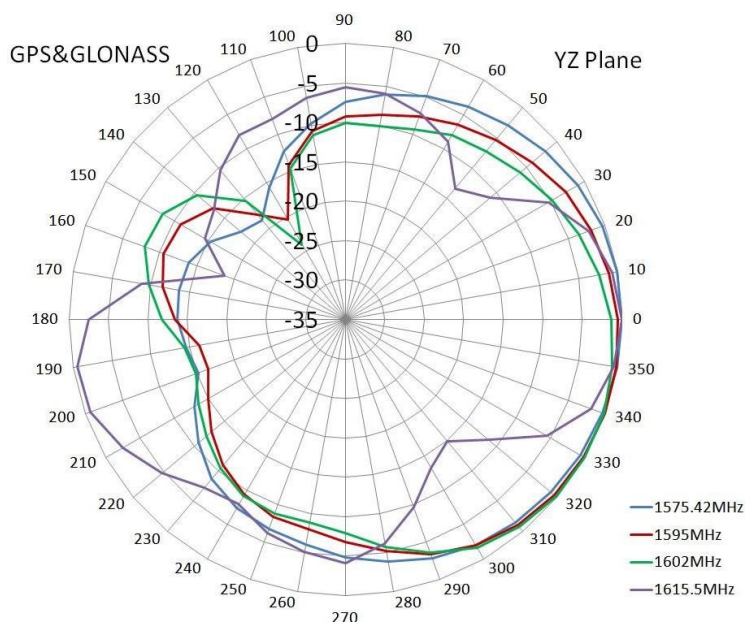
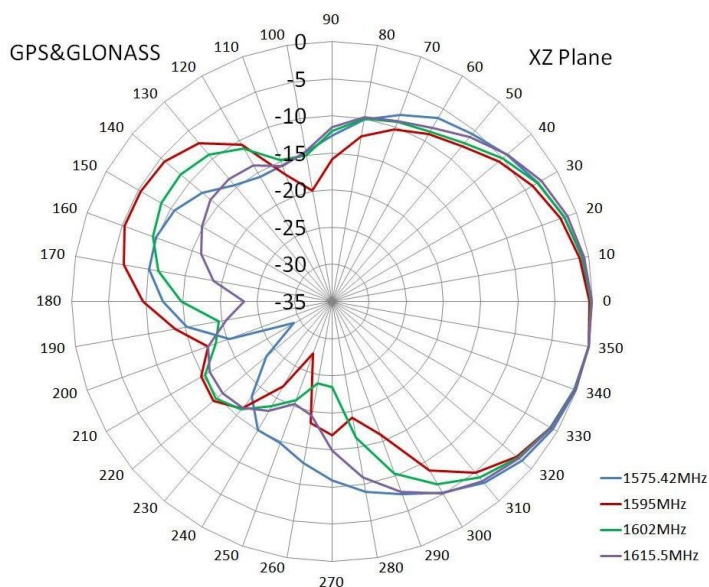


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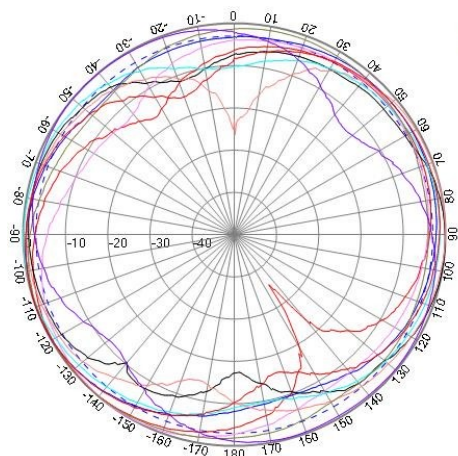


NAN-E SERIES
NIC Components Corp.



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XY PLANE

Freq:700

Freq:824

Freq:868

Freq:960

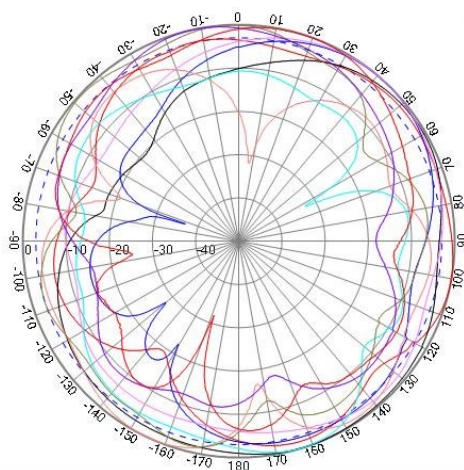
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Freq:1850

Freq:1990

Freq:2170

Freq:2690



XZ PLANE

Freq:700

Freq:824

Freq:868

Freq:960

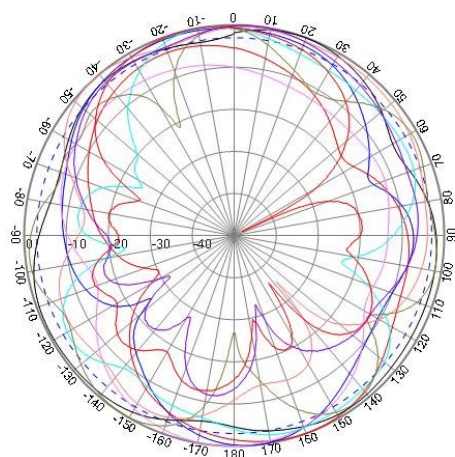
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YZ PLANE

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