

# NANEA66X46DJG1R561G1TF

GNSS Active External Antenna; GPS & GLONASS L1



## Description

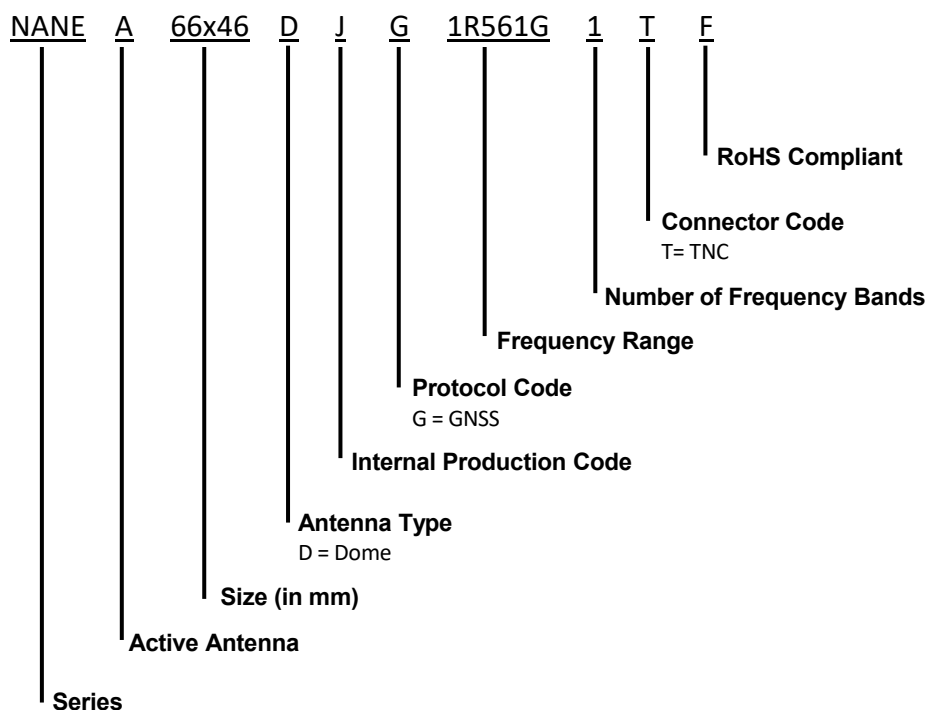
The NANEA66X46DJG1R561G1TF is an external antenna designed for GNSS L1 applications. It operates within the frequency ranges of 1561.098~1602MHz making it perfect for Fleet Management & Tracking.

## Features

- GPS & GLONASS L1 Applications
- IP67 Waterproof Rating
- RoHS Complaint



## Part Number Breakdown



## Standard Part Numbers Listings

Part Number	Protocol	Connector
NANEA66X46DJG1R561G1TF	GNSS L1	TNC

The table represents assembled part numbers available on [www.niccomp.com](http://www.niccomp.com). For options not listed above please contact NIC



### Specifications

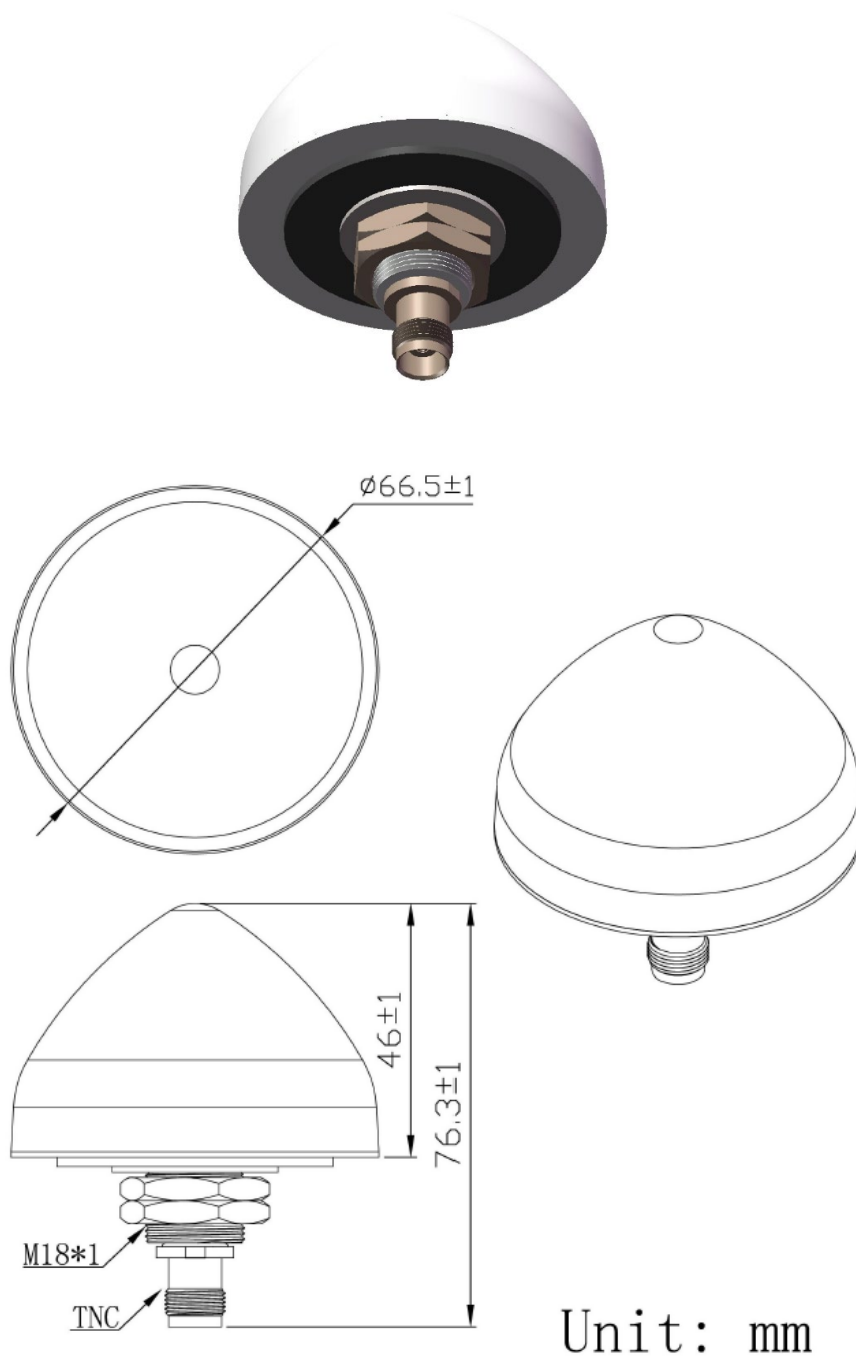
Electrical	
Frequency Range	1561.098~1602MHz
Peak Gain	≥ 3dBi
V.S.W.R	≤ 2.0
Axial Ratio	≤ 3 dB
Polarization	RHCP
Horizontal Coverage Angle	360°
Vertical Coverage Angle	5°~ 90°
Impedance	50Ω
LNA	
Gain	28 ± 2 dB
V.S.W.R	≤ 2
Noise Figure	≤ 2 dB
Supply Voltage	3.3 ~ 5.5 VDC
Current Consumption	≤ 20 mA
Environmental	
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C
Relative Humidity	Up to 95%
Ingress Protection	IP67
Weight	~ 150g
ROHS Compliant	Yes

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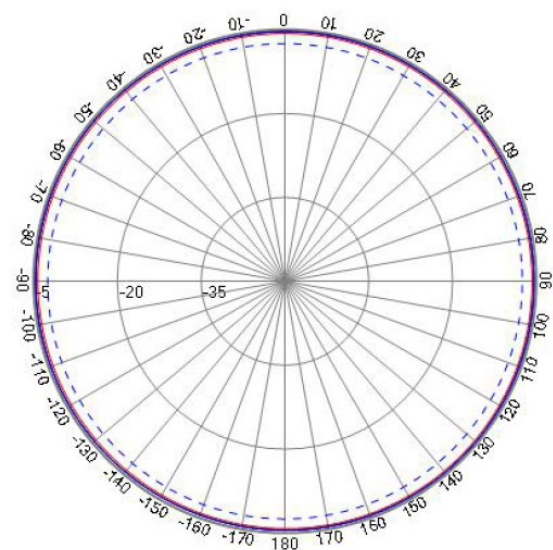
GNSS Active External Antenna; GPS & GLONASS L1



## Dimensions

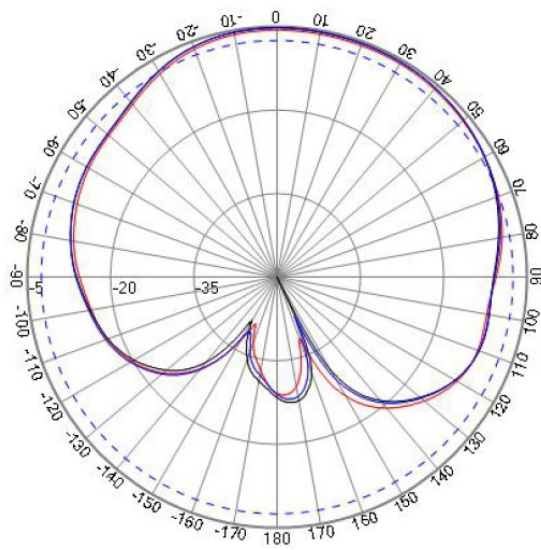


### Radiation Patterns



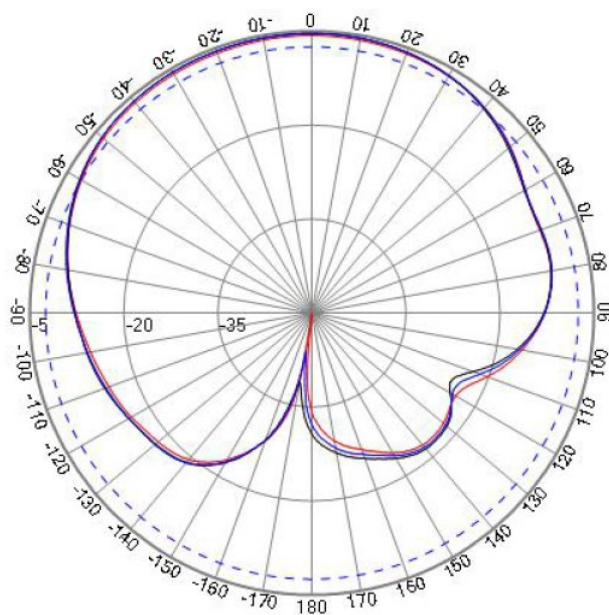
XY-PLANE

Freq: 1602  
Freq: 1561  
Freq: 1575



XZ-PLANE

Freq: 1602  
Freq: 1561  
Freq: 1575



YZ-PLANE

Freq: 1602  
Freq: 1561  
Freq: 1575