

NANEA66X46DJG1R164G2TF

GNSS Active External Antenna: GPS L1 + L5



Description

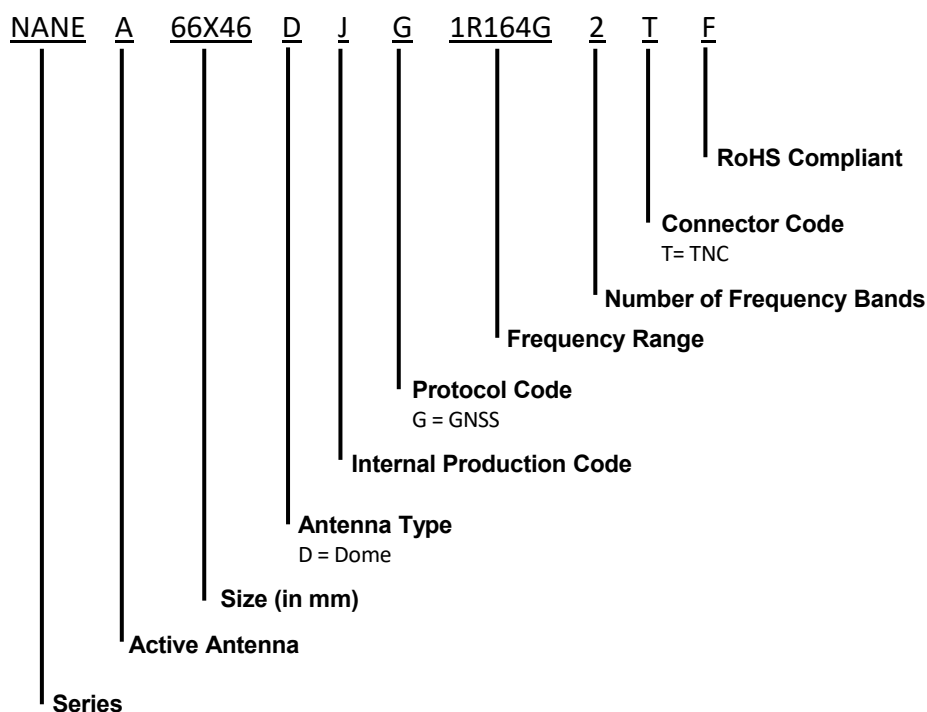
The NANEA66X46DJG1R164G2TF is an active external antenna designed for GPS & Glonass L1 + L5 applications. It operates within the frequency ranges of 1559.052~1610MHz and 1164~1239MHz making it perfect for Fleet Management & Tracking.



Features

- GPS & Glonass L1 & L5 Applications
- IP67 Waterproof Rating
- RoHS Complaint

Part Number Breakdown



Standard Part Numbers Listings

Part Number	Protocol	Connector
NANEA66X46DJG1R164G2TF	GPS & Glonass L1 & L5	TNC-K

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

Specifications

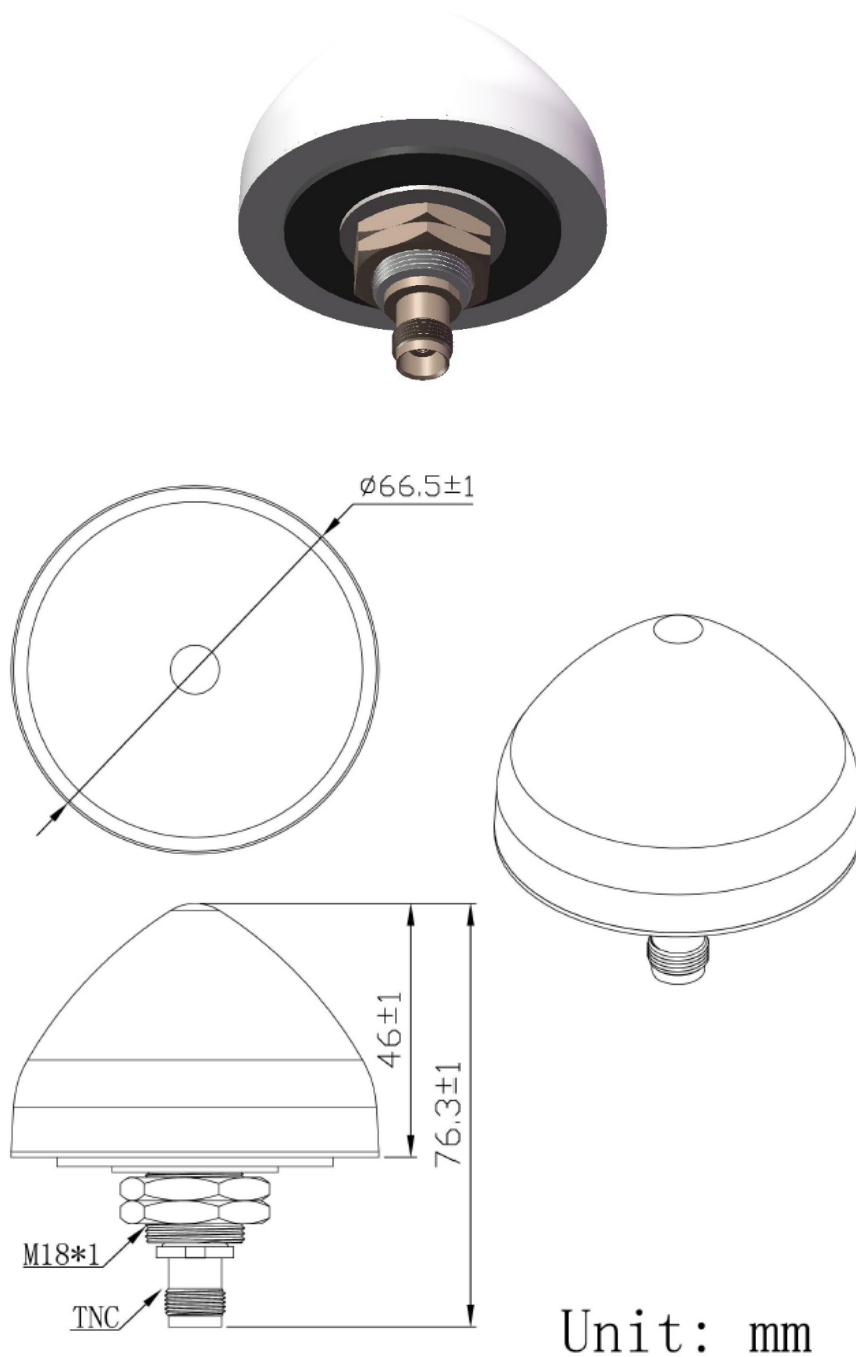
Electrical	
Frequency Range	1559.052~1610MHz 1164~1239MHz
Peak Gain	$\geq 3\text{dBic}$
V.S.W.R	< 2.0
Axial Ratio	$\leq 3\text{ dB}$
Polarization	RHCP
Horizontal Coverage Angle	360°
Vertical Coverage Angle	$5^\circ \sim 90^\circ$
Impedance	50Ω
LNA	
Gain	$40 \pm 2\text{ dB}$
V.S.W.R	< 2.0
Noise Figure	$\leq 1.5\text{ dB}$
Supply Voltage	$3.3 \sim 12\text{ VDC}$
Current Consumption	$< 50\text{ mA}$
Environmental	
Operating Temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$
Storage Temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$
Relative Humidity	Up to 95% (non-condensing)
Ingress Protection	IP67
Vibration	10 to 55Hz with 1.5mm amplitude 2hours
Radome Material	ABS
Weight	$\sim 150\text{g}$
ROHS Compliant	Yes

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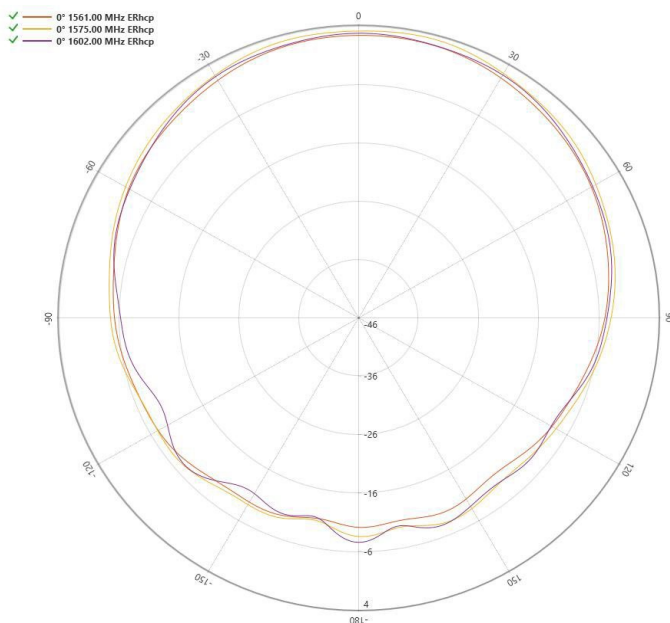


Dimensions

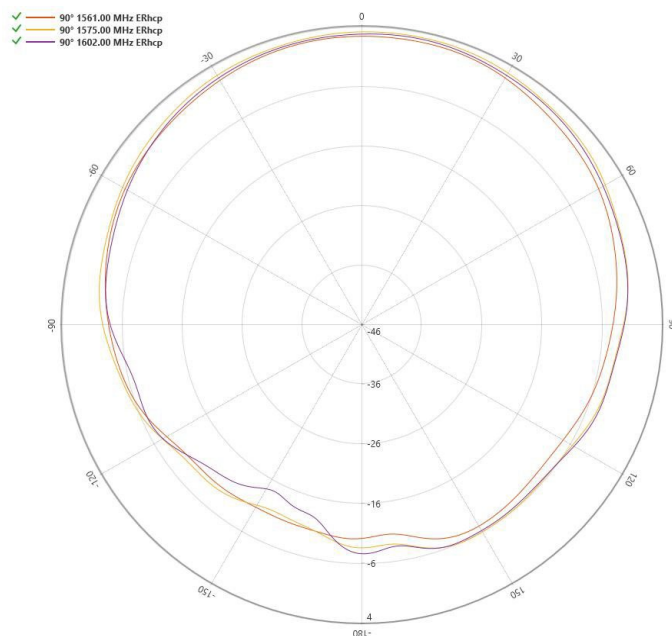


Radiation Patterns

XZ-PLANE(L1)

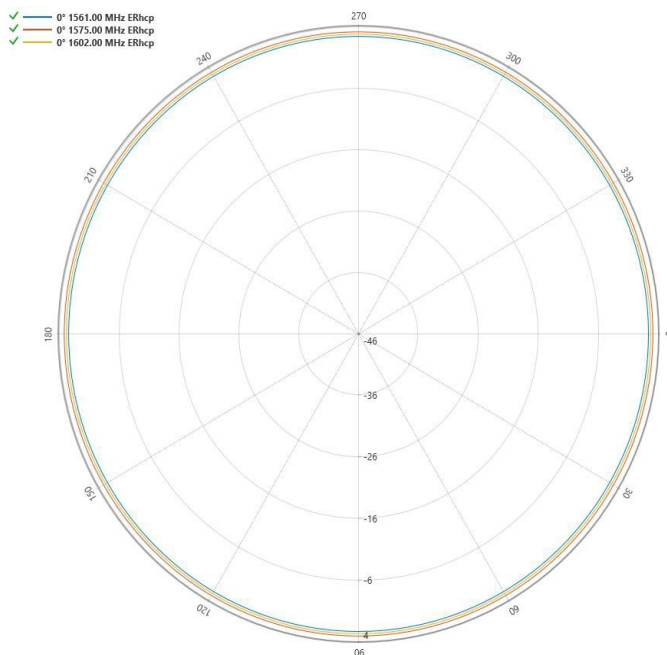


YZ-PLANE(L1)

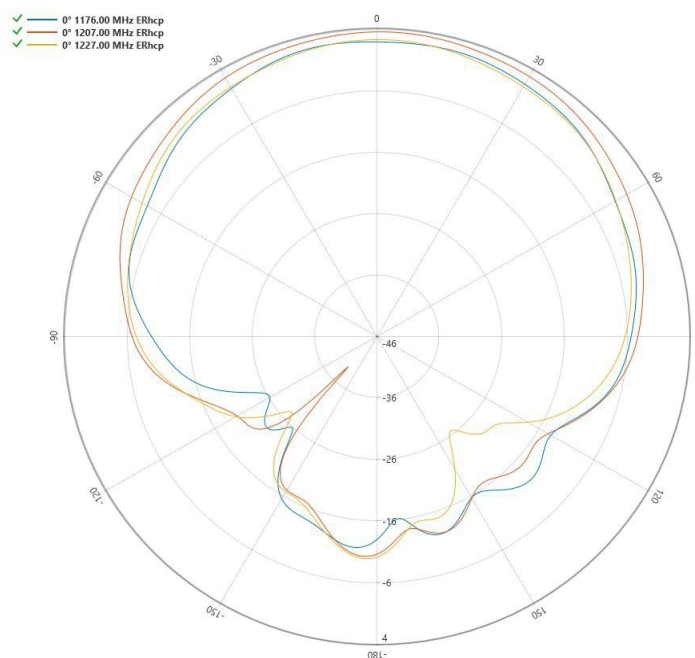


Radiation Patterns

XY-PLANE(L1)

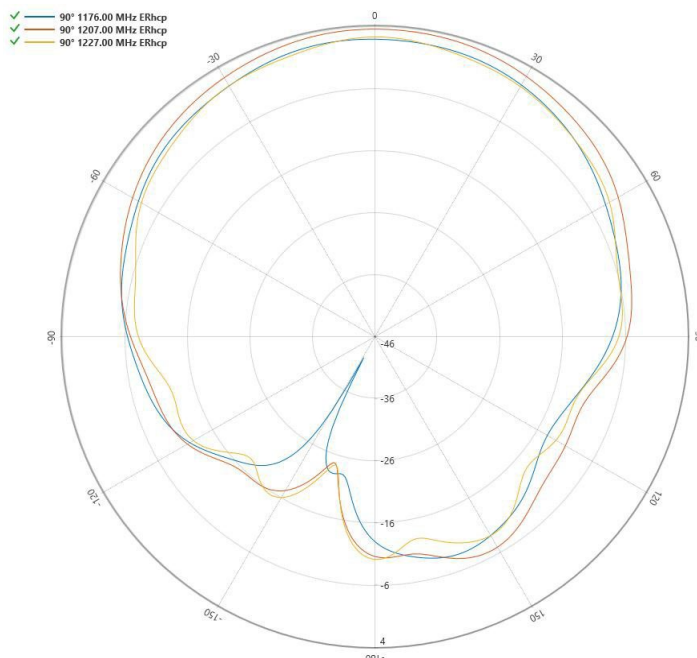


XZ-PLANE(L5/L2)



Radiation Patterns

YZ-PLANE(L5/L2)



XY-PLANE(L5/L2)

