

NANEA81X14PJVGW3C302A0F

GNSS & WiFi Active External Antenna



Description

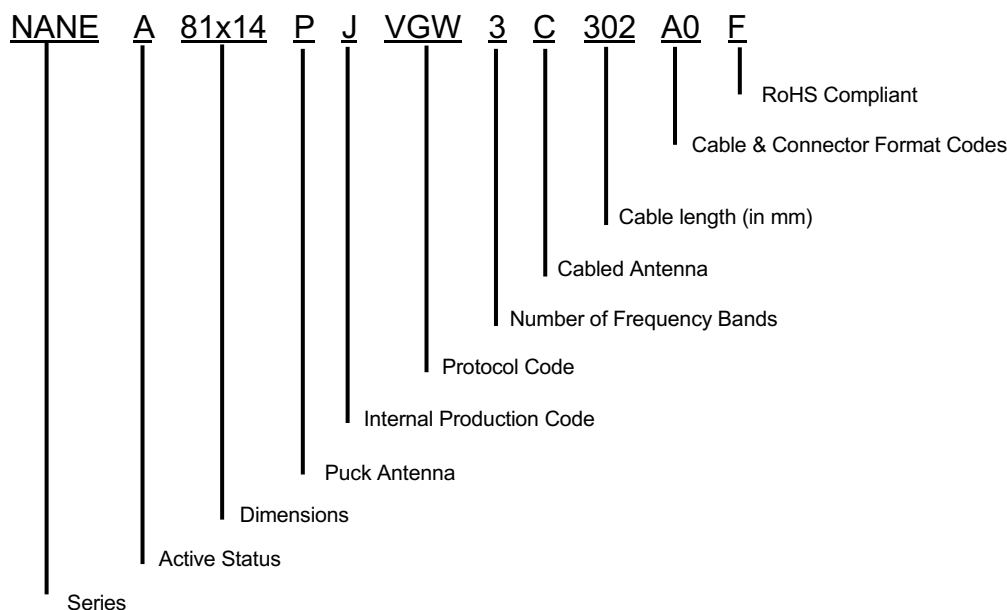
The NANEA81X14PJVGW3C302A0F is an External Active Antenna designed for GPS & WiFi applications. It operates within the frequency ranges of 1575 MHz, 2400~2483.5MHz and 4900~5825MHz making it perfect for Tracking and Fleet Management

Features

- GNSS & Dual Band WIFI Protocols
- Waterproof (IP65~ IP66)
- Customizable Cable & Connectors
- RoHS Compliant



Part Number Breakdown



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



Specifications

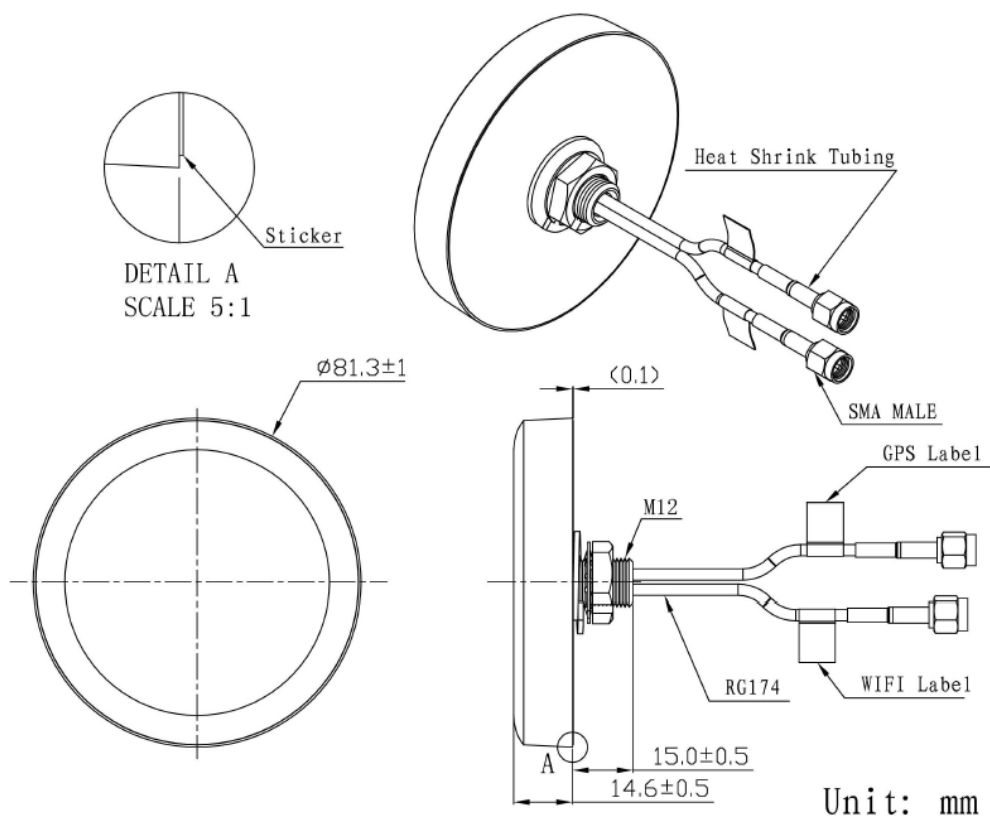
Electrical	
GPS	
Frequency Range	1575.42Mhz $\pm$ 3MHz
Gain	2 dBic (max)
V.S.W.R	< 1.5
Axial Ratio	3 dB (max)
Polarization	RHCP
Impedance	50 Ω
LNA	
Gain	28 $\pm$ 2 dB
Noise Figure	< 1.5 dB
Supply Voltage	2.2 ~ 5V DC
Current Consumption	< 15 mA
V.S.W.R.	< 2.0
WIFI	
Frequency Range	2400~2483.5MHz 4900~5825MHz
V.S.W.R	< 2.0
Gain	3 dBi
Polarization	Linear
Impedance	50 Ω
Environmental	
Operating Temperature	-40°C~+85°C
Relative Humidity	Up to 95%
Ingress Protection	IP65~ IP66 (exclude cable outlet)
Vibration	10 ~ 55Hz 1.5mm Amplitude 2 Hours
RoHS Compliant	Yes

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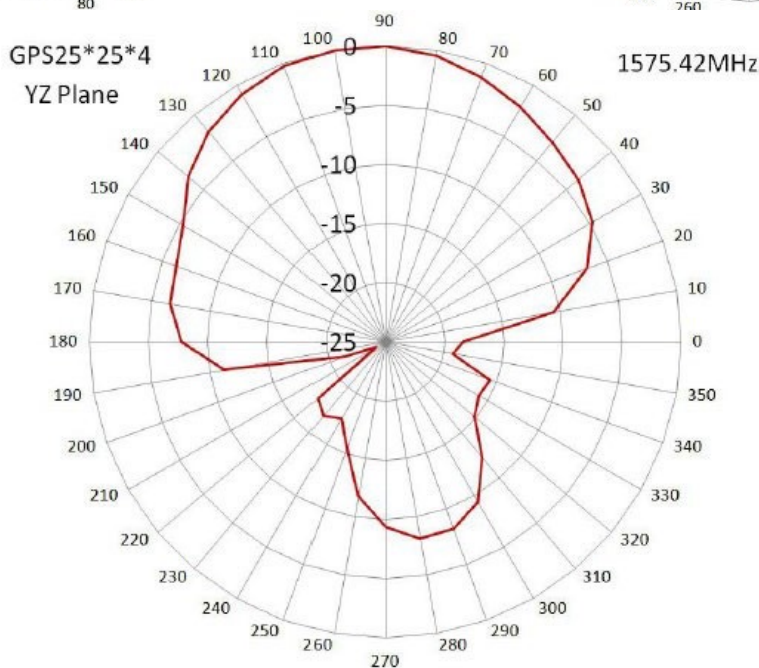
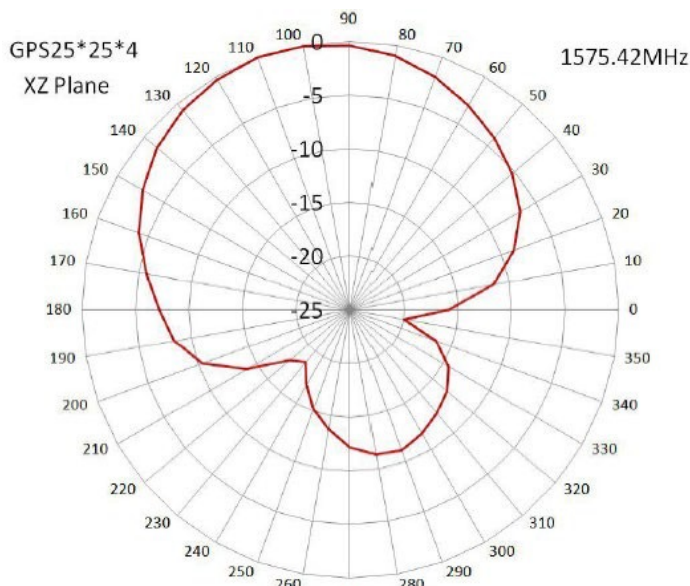
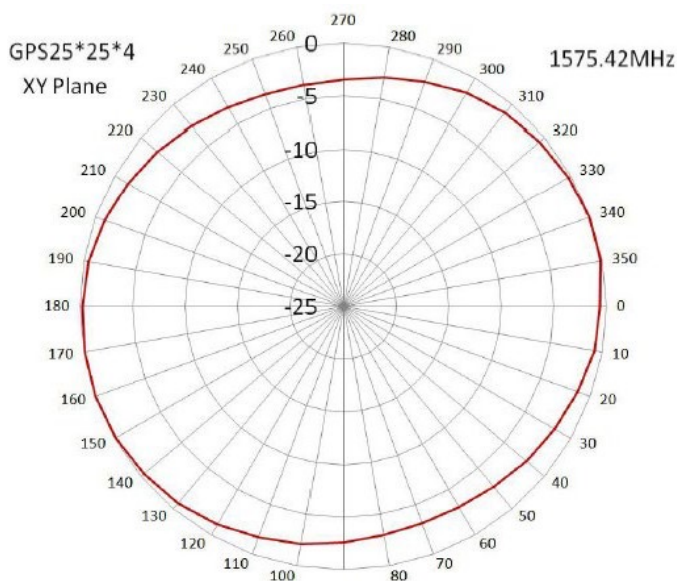


Dimensions



RADIATION PATTERN

GPS&GLONASS



RADIATION PATTERN

WIFI

