

NANEA50X48DJVCGW5C302A0F

GNSS, LTE & WIFI Active External Antenna



Description

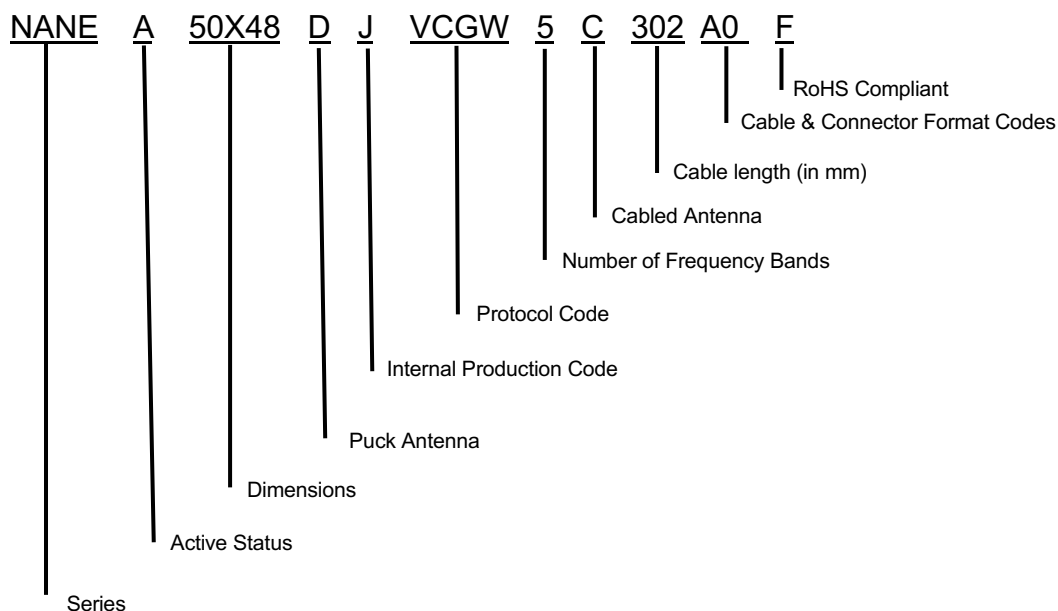
NANEA110X18PJVCGWM5C302A0F is an External Active antenna designed for GNSS, LTE & WIFI applications. It operates within the frequency ranges of 1561 & 1575.42 MHz, 698 ~960 MHz, 1710 ~2690 MHz, 2400~2483.5MHz & 4900~5825MHz making it perfect for IoT, Gateways and Tracking

Features

- Combination (GNSS, LTE & WIFI)
- Waterproof(IP67)
- RoHs Complaint



Part Number Breakdown



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

Specifications

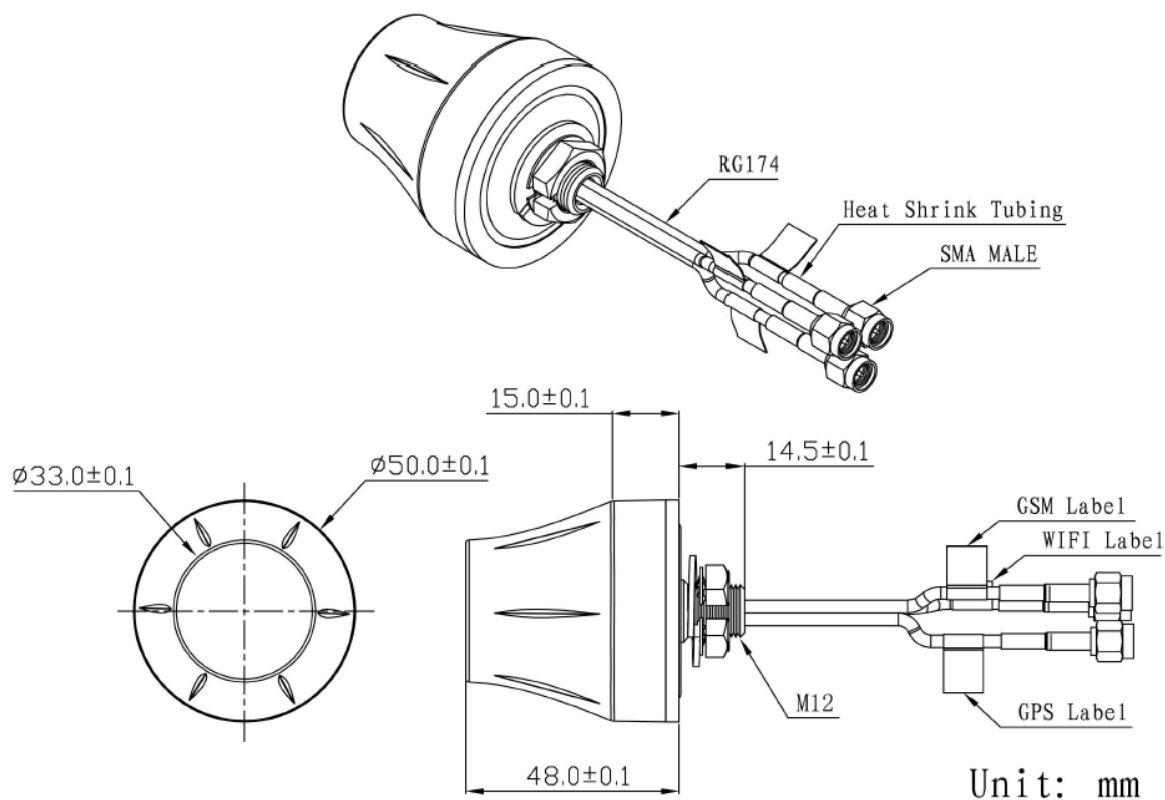
Electrical		
Antenna	GNSS	
Frequencies (MHZ)	1561 ± 1 MHz 1575.42 ± 1 MHz	
Bandwidth	CF ± 5 MHz	
Gain	2 dBic	
V.S.W.R	< 1.5	
Axial Ratio	3 dB (max)	
Polarization	RHCP	
Impedance	50 Ω	
LNA		
Gain	28±2dB	
Noise Figure	< 1.5	
Ex-band Attenuation	12dB@CF+50MHz 16dB@CF-50MHz	
V.S.W.R	< 2.0	
Supply Voltage	2.2 ~ 5V DC	
Current Consumption	5 ~ 15 mA	
Antenna	LTE	WiFi
Frequency Range	698~960 MHz 1710~2655MHz	2400~2483.5MHz
Bandwidth	-	83.5 MHz
V.S.W.R	< 3.0	< 2.0
Gain	2 dBi	3 dBi
Polarization	Linear	
Impedance	50 Ω	
Environmental		
Operating Temperature	-40°C~+85°C	
Relative Humidity	Up to 95%	
Ingress Protection	IP67	
Vibration	10 to 55Hz with 1.5mm amplitude 2hours	
Material	ABS	
Mouthing Method	Screw	
ROHS Compliant	Yes	

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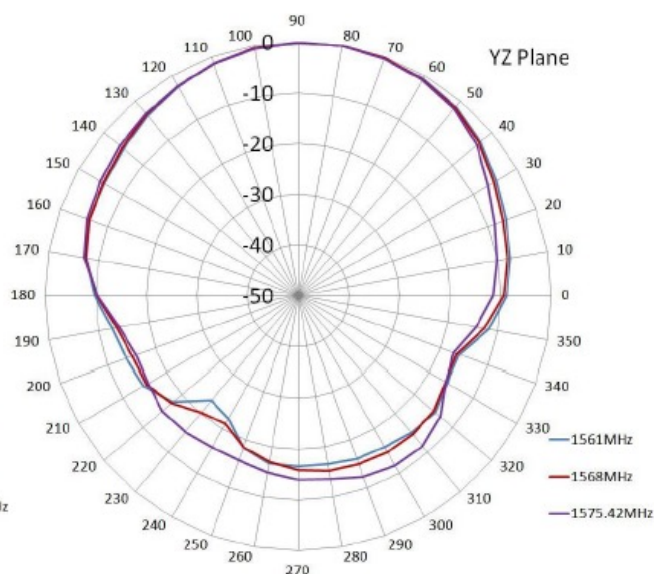
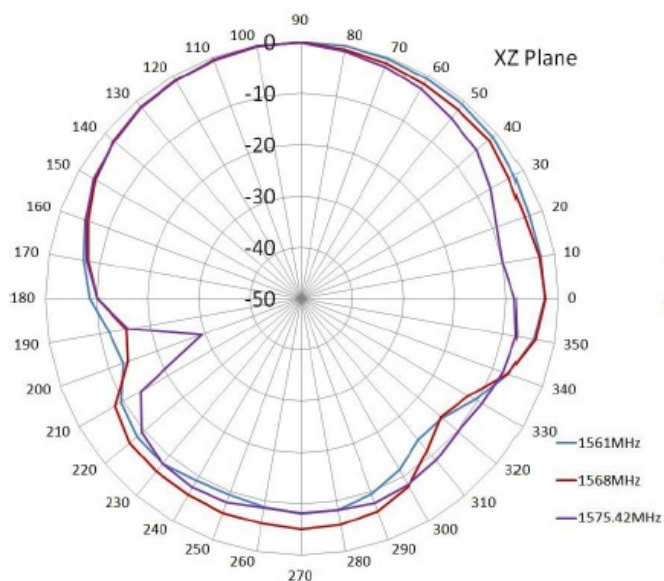
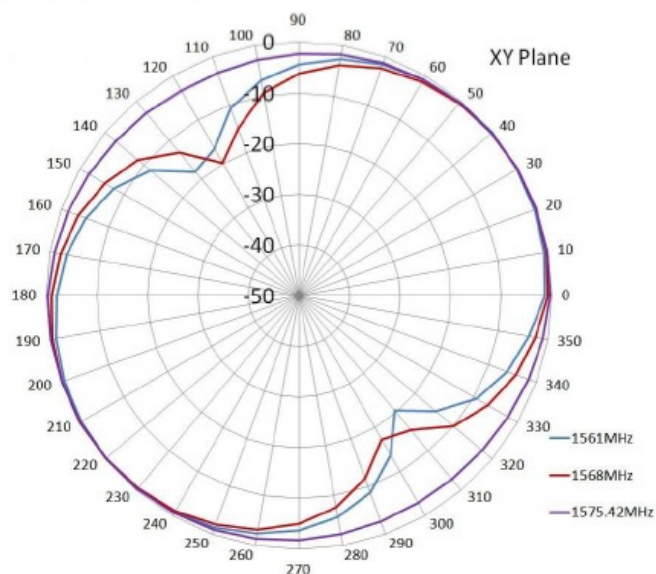


Dimension Drawing

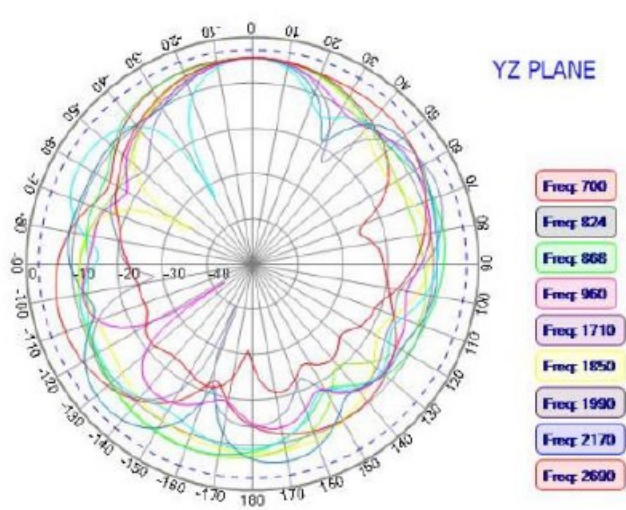
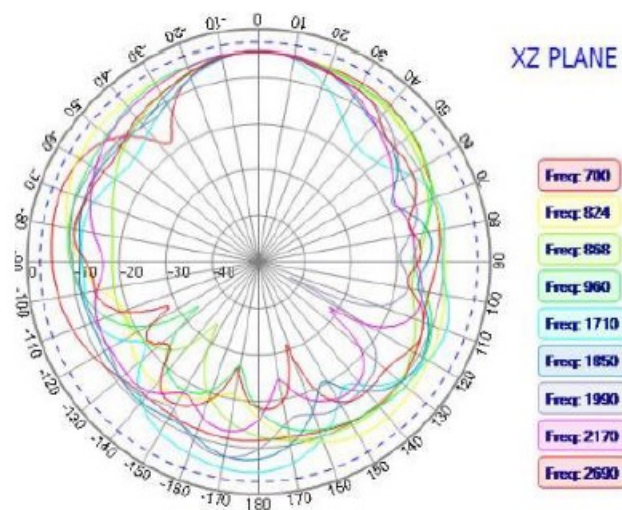
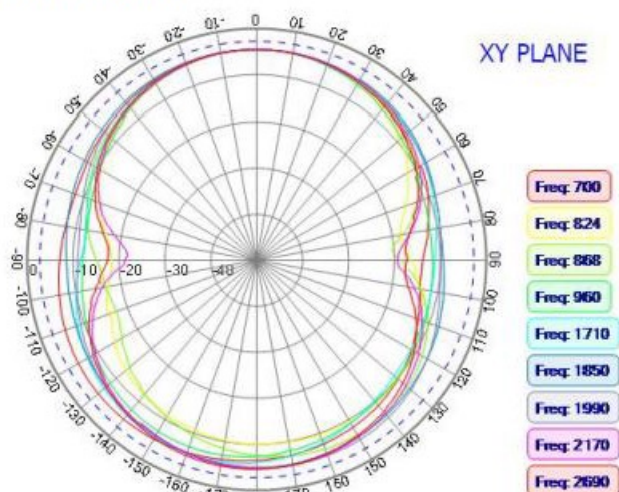


Radiation Patterns

GNSS Antenna



LTE Antenna



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WIFI Antenna

