

NANEA110X53DJVCGWM5CF

GPS&GLONASS , LTE MIMO & WIFI MIMO Active External Antenna



Features

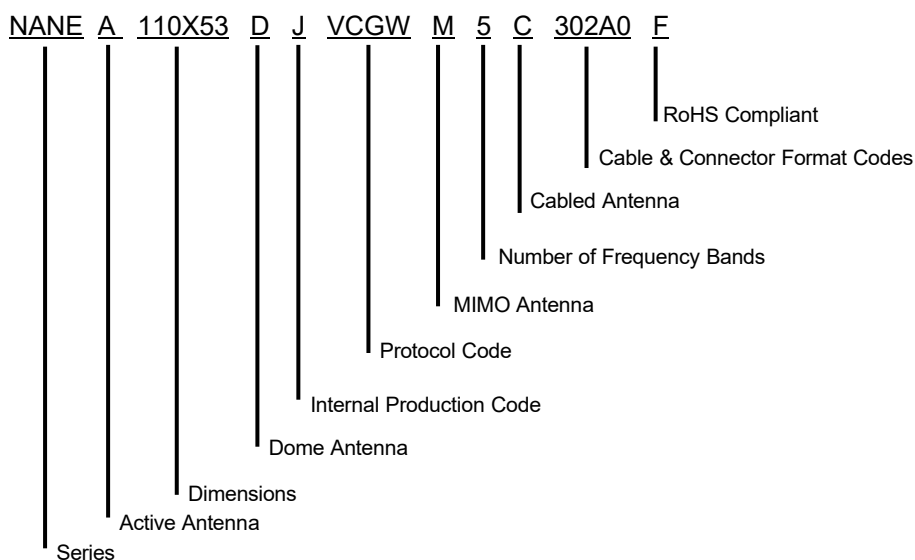
- GNSS Protocol
- LTE MIMO + WIFI MIMO
- Waterproof(IP67)
- Customizable Connector Options and Cable Lengths
- RoHs Complaint

Applications

- Tracking
- IoT
- Gateways
- Routers



Part Number Breakdown



Standard Part Number Listing

Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA110X53DJVCGWM5C302A0F	GPS, 2x LTE & 2x WIFI	SMA MALE	RF174	3000 mm
NANEA110X53DJVCGWM5C302A1F	GPS, 2x LTE & 3x WIFI	SMA MALE	RF174	3000 mm

The table represents assembled part numbers available on www.niccomp.com from standard connector and cable options. For options not listed above please contact NIC"

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Specifications

Electrical		
Antenna	GNSS	
Frequency Range	1561.098 ~ 1610 MHz	
Polarization	RHCP	
Impedance	50 Ω	
Internal Patch Dimension	25 x25 x 6mm	
Gain	28 ± 2dB	
Noise Figure	≤ 1.5 dB	
Supply Voltage	3~5V DC	
Current Consumption	< 15mA	
V.S.W.R.	< 2.0	
Antenna	LTE MIMO	WiFi MIMO
Frequency Range	698~960 MHz 1710~2690 MHz	2400 ~2483.5 MHz 4900~5825 MHz
V.S.W.R	<3.0	<2.5
Gain	3 dBi	2 dBi
Polarization	Linear	
Impedance	50 Ω	
Environmental		
Operating Temperature	-40°C~+85°C	
Relative Humidity	Up to 95%	
Ingress Protection	IP67 (exclude Cable outlet)	
Vibration	10 to 55Hz with 1.5mm amplitude 2hours	
Mounting Method	Screw	
ROHS Compliant	Yes	

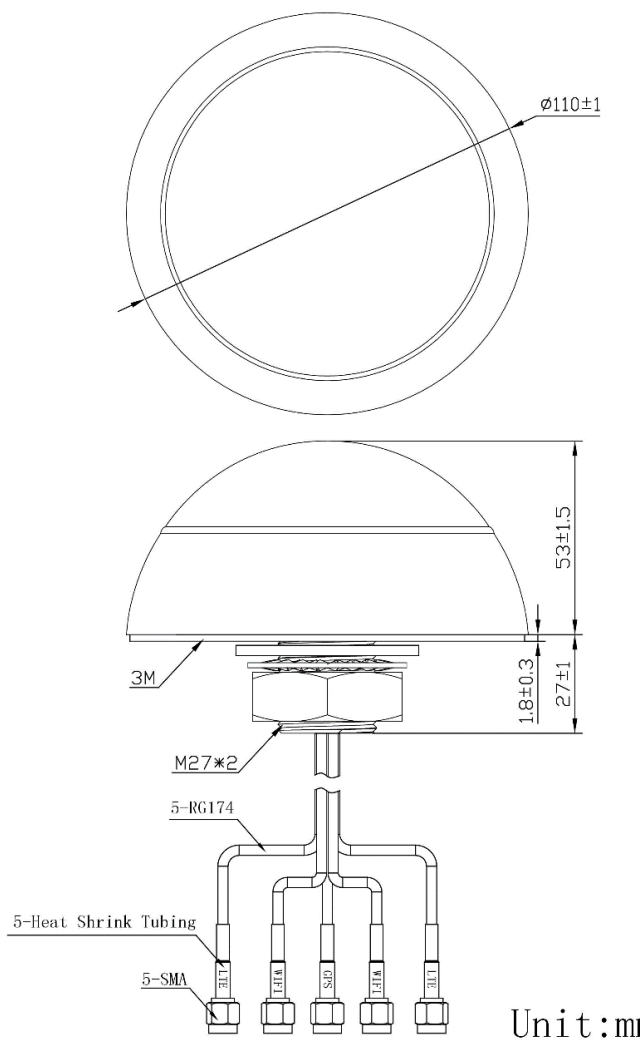
* = Internal Patch Antenna

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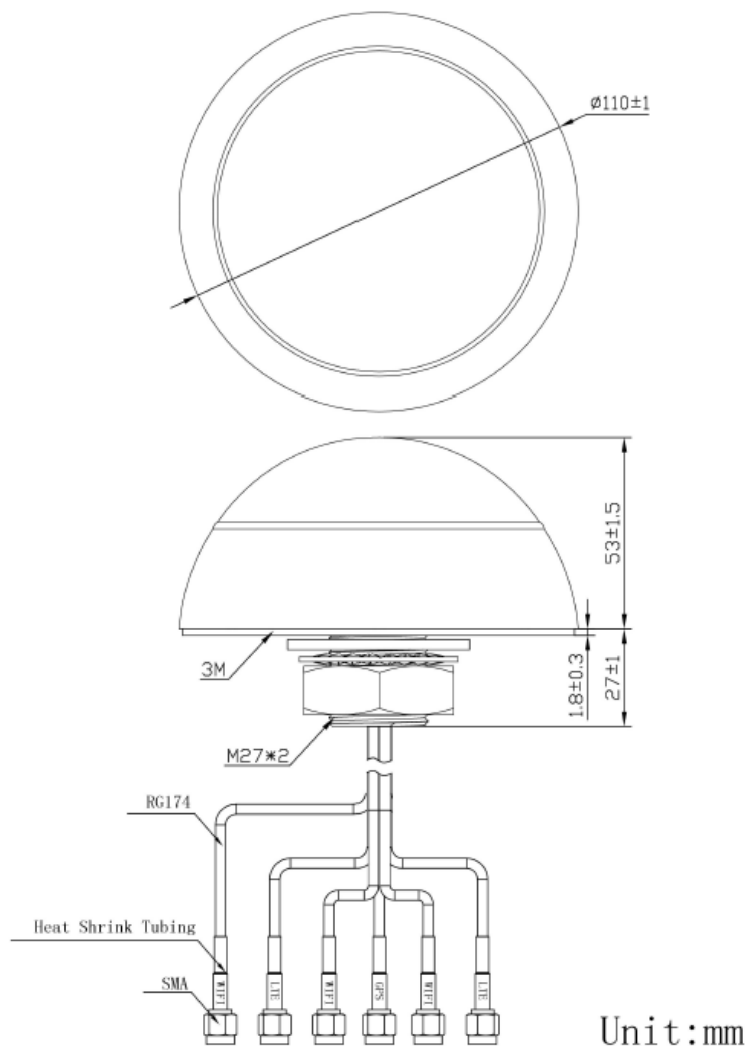
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Dimensions



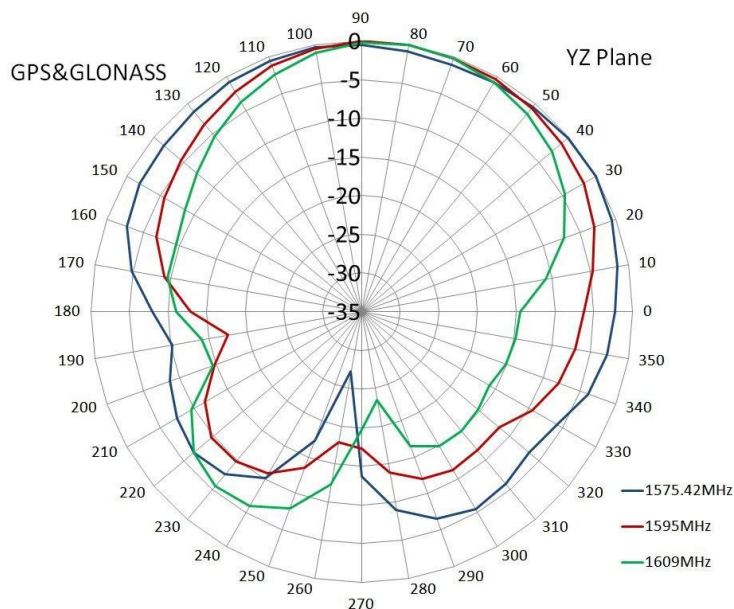
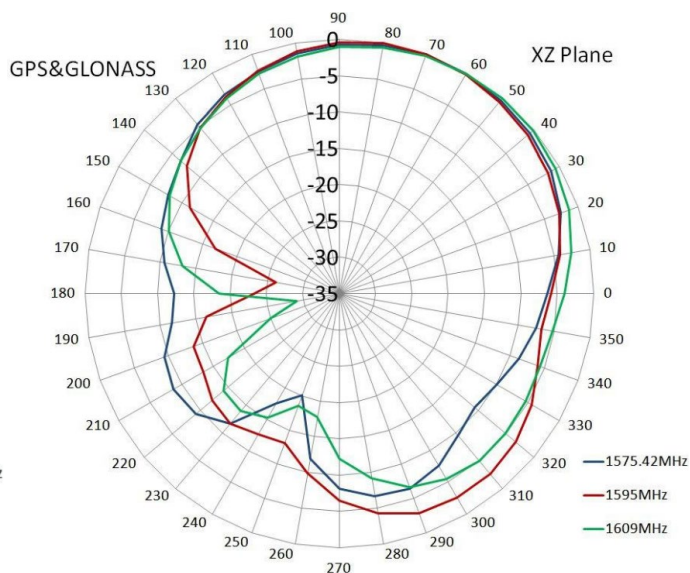
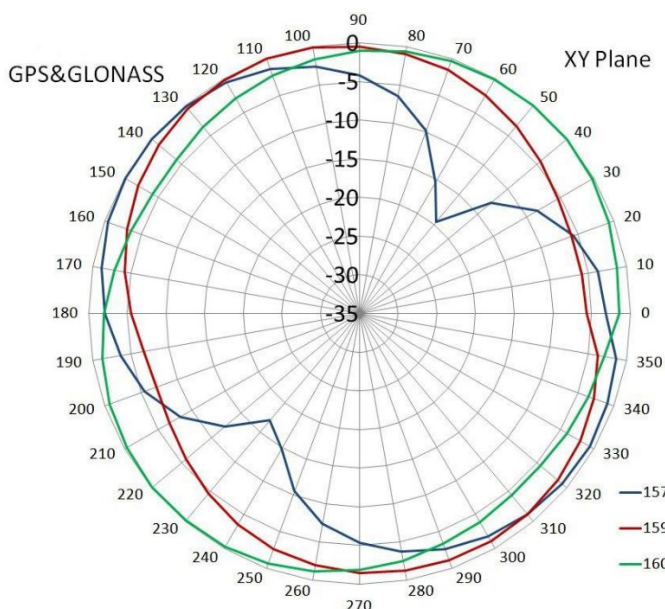
NANEA110X53DJVCGWM5C302A0F Dimensions



NANEA110X53DJVCGWM5C302A1F Dimensions

Radiation Patterns

GPS

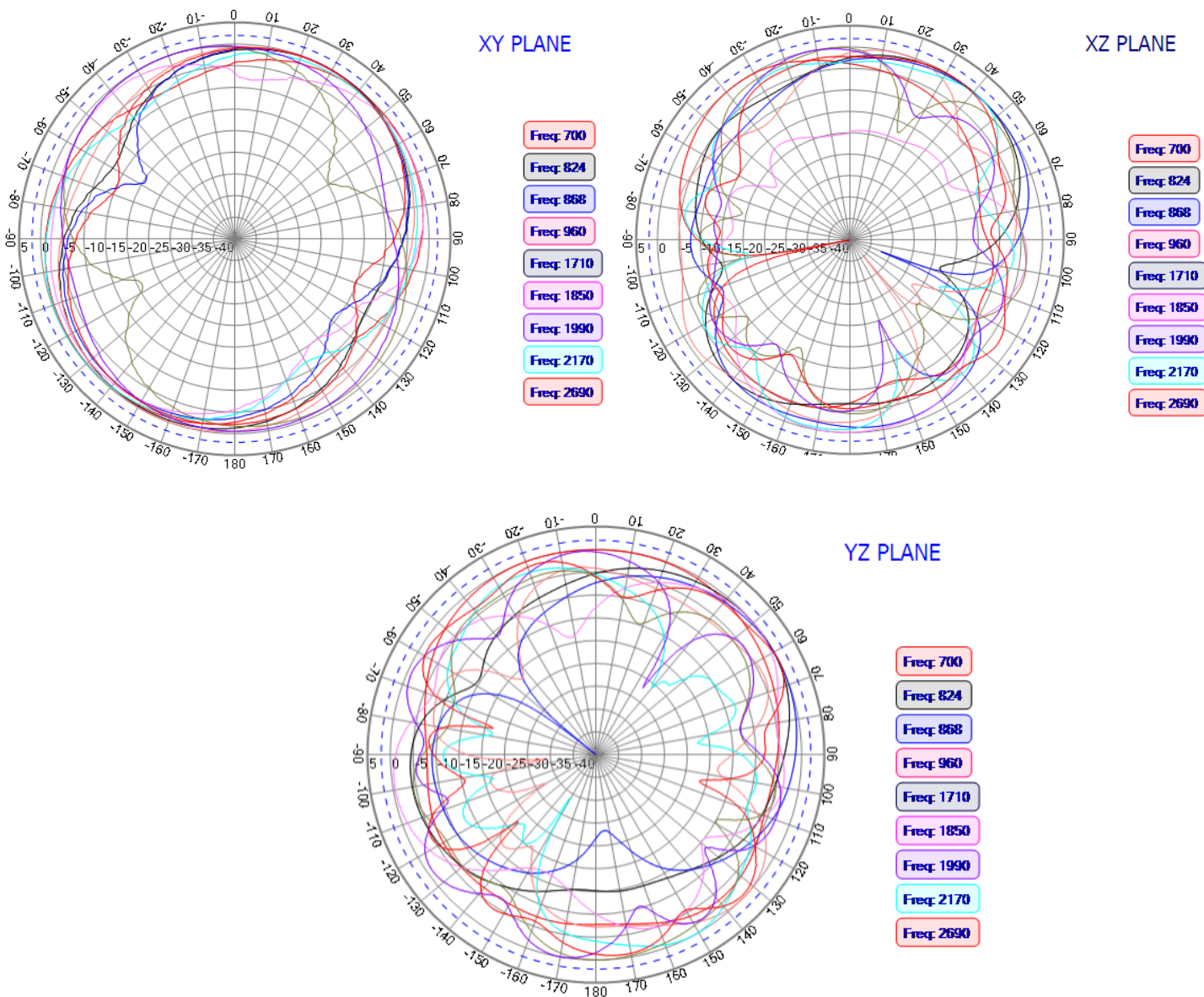


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LTE





WIFI

