NANEA81X14PJVCGM5CF

GPS & GLONASS & LTE MIMO External Active Antenna

9001:2015 CERTIFIED

ROHS/REACH COMPLIANT HALOGEN FREE

NIC Components Corp.

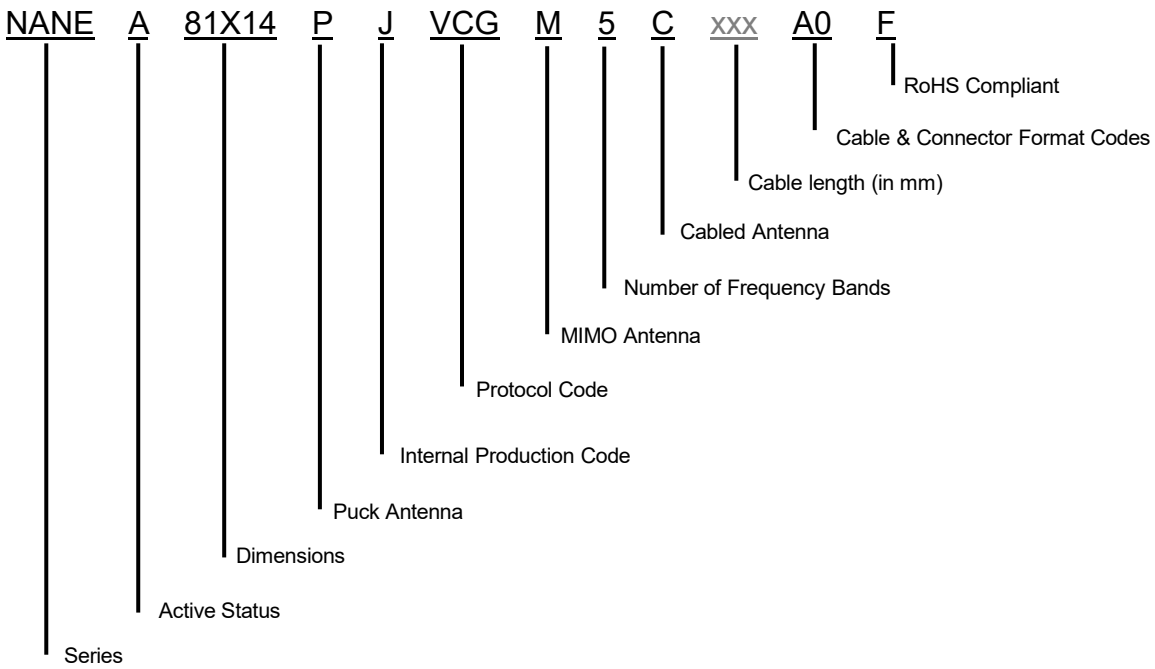
Description

The NANEA81X14PJVCGM5CF is the base part number for an External Active Antenna designed for GPS & GLONASS & LTE MIMO applications. It operates within the frequency range of 698~960 MHz, 1595 MHz and 1710~2690 MHz and making it perfect for use in Tracking, IoT, Gateways and Routers

Features

- GPS & GLONASS & LTE MIMO
- Waterproof Rating IP67
- Customizable Connector Options and Cable Lengths
- RoHs Complaint

Part Number Breakdown



Part Number Options

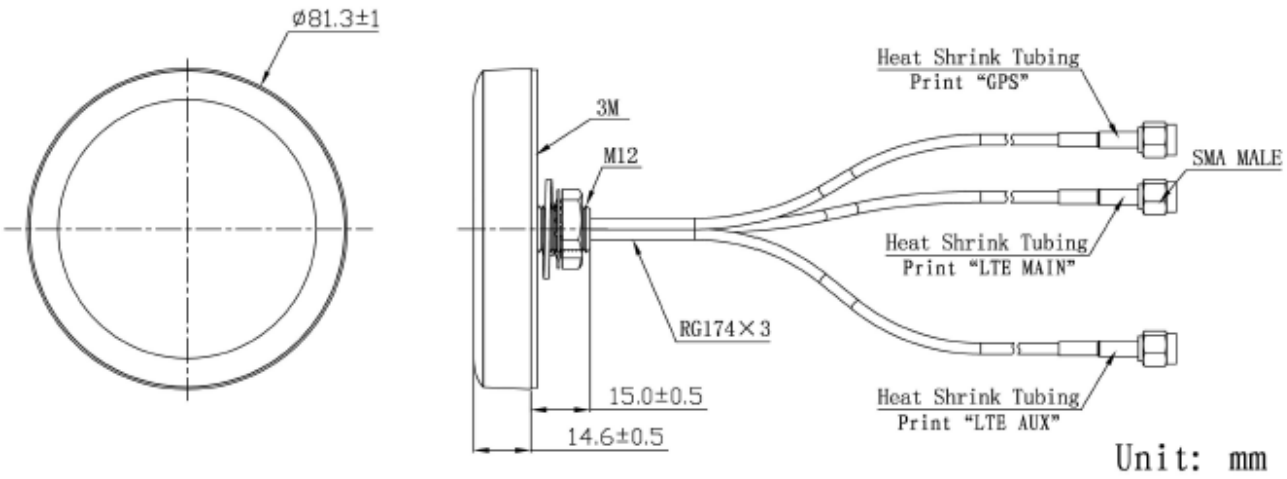
Part Number	Protocol	Connector	Cable Type	Cable Length
NANEA81X14PJVCGM5C302A0F	GPS & GLONASS L1 & Cellular LTE	SMA Male	RG174	3000 mm
NANEA81X14PJVCGM5C600A0F	GPS & GLONASS L1 & Cellular LTE	SMA Male	RG174	600 mm

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

Specifications

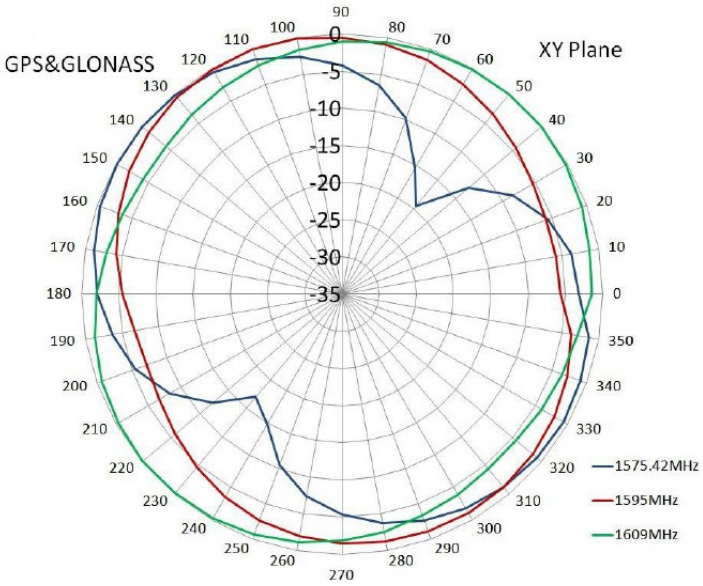
Electrical		
Antenna	**GPS & GLONASS**	
Frequency Range	1595 ± 3 MHz	
Gain	2 dBic	
VSWR	< 1.5	
Polarization	RHCP	
Impedance	50 Ω	
LNA		
Gain	28 ± 2dB	
Noise Figure	< 2 dB	
Supply Voltage	3~5V DC	
Current Consumption	< 20mA	
V.S.W.R.	< 2.0	
Antenna	**LTE Main**	**LTE Aux**
Frequency Range	698~960 MHz 1710~2690 MHz	698~960 MHz 1710~2690 MHz
Gain	2.5 dBi	2.0 dBi
VSWR	< 3.0	
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	
Material	ABS	
Mounting Method	Screw	
ROHS Compliant	Yes	

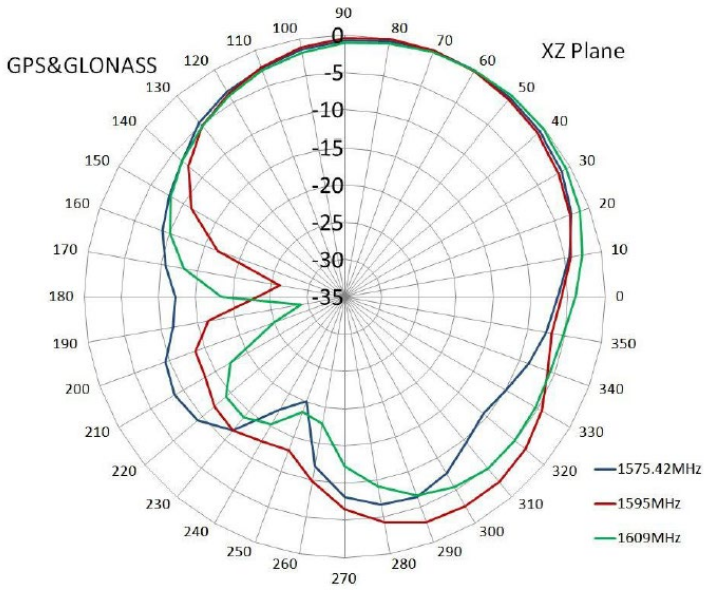
Dimension Drawing

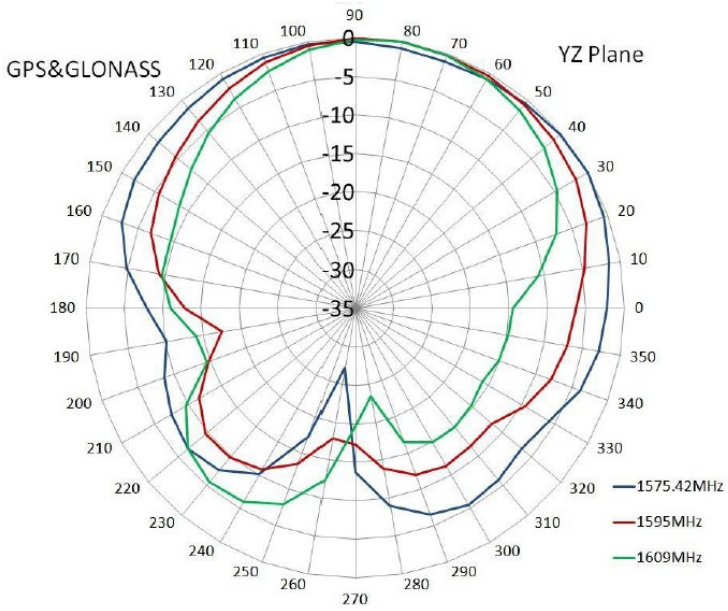


Radiation Patterns

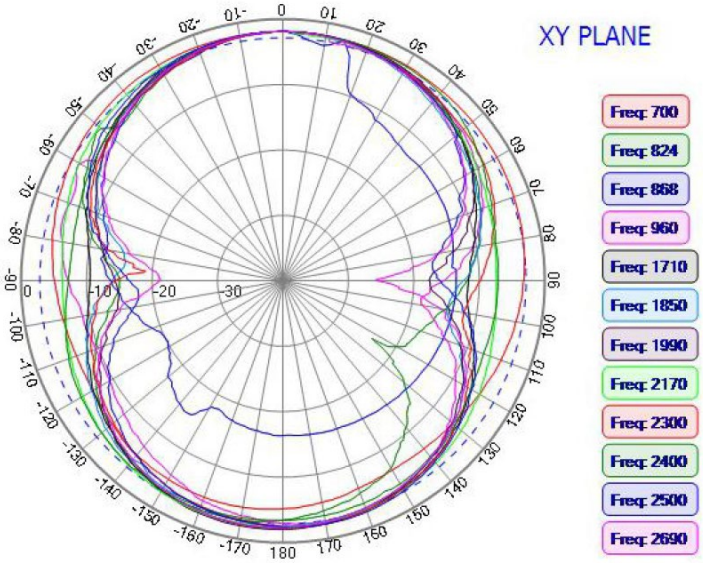
GPS & GLONASS







LTE MAIN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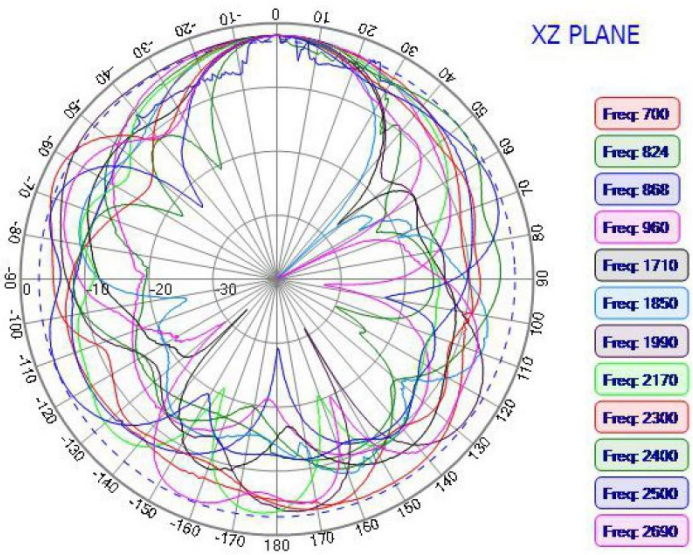
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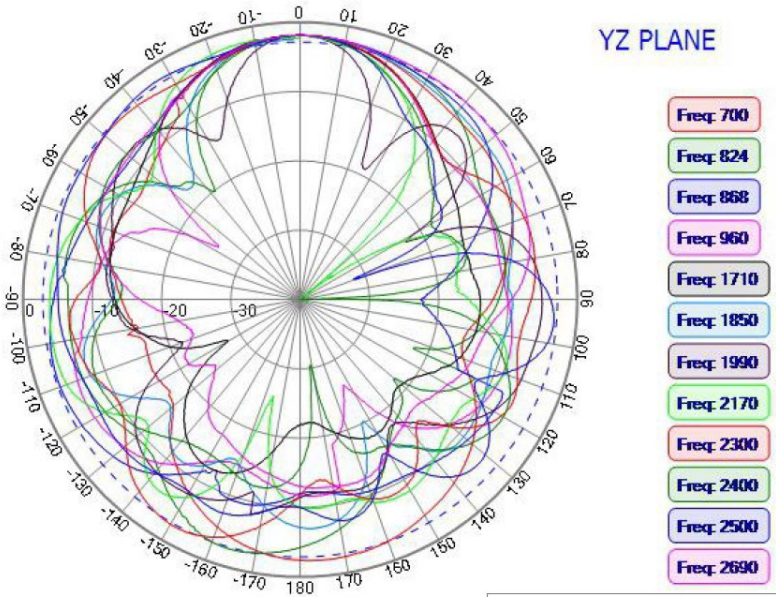
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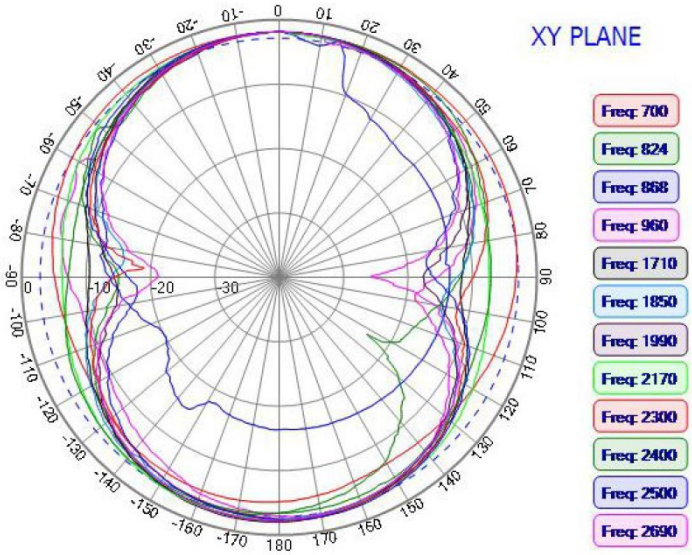
LTE AUX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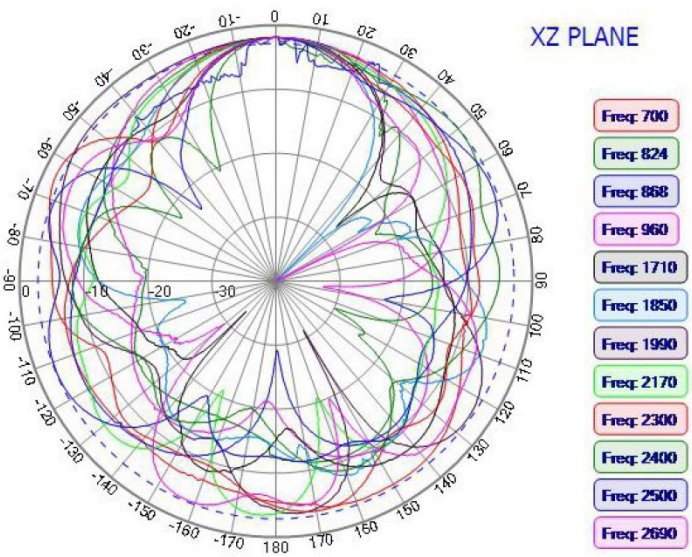
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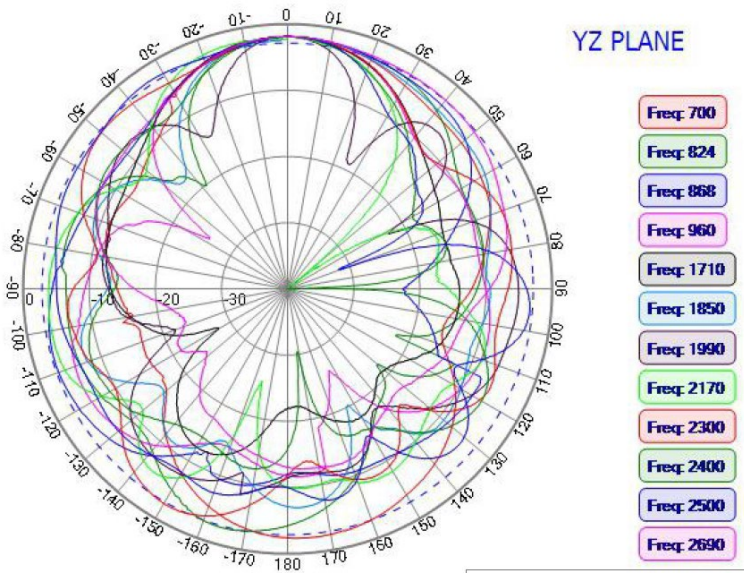
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