

# NANF42X12AJW2R450G2F

## 2.4 & 5.0 GHz WIFI PCB Antenna



### Features

- Supports 2.4 & 5.0 GHz WIFI Band
- Customizable Cable Length and Type
- RoHS & REACH Compliant

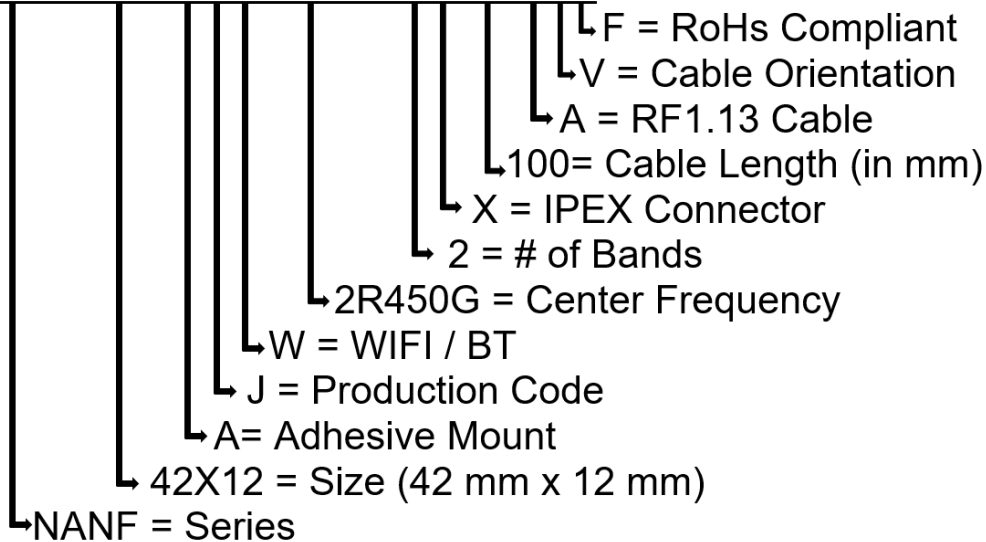
### Applications

- Meters
- Routers
- Gateways
- Commercial / Handheld Electronics



### Part Number Breakdown

NANF42X12AJW2R450G2X100AVF



### Standard Part Number Breakdowns

Part Numbers	Connector Type	Cable Length	Cable Type
NANF42X12AJW2R450G2X100AVF	IPEX (X)	100 mm	RF1.13 (A)
NANF42X12AJW2R450G2X50AVF	IPEX (X)	50 mm	RF1.13 (A)

The table represents assembled part numbers available on [www.niccomp.com](http://www.niccomp.com) from standard connector and cable options. For options not listed above please contact NIC"

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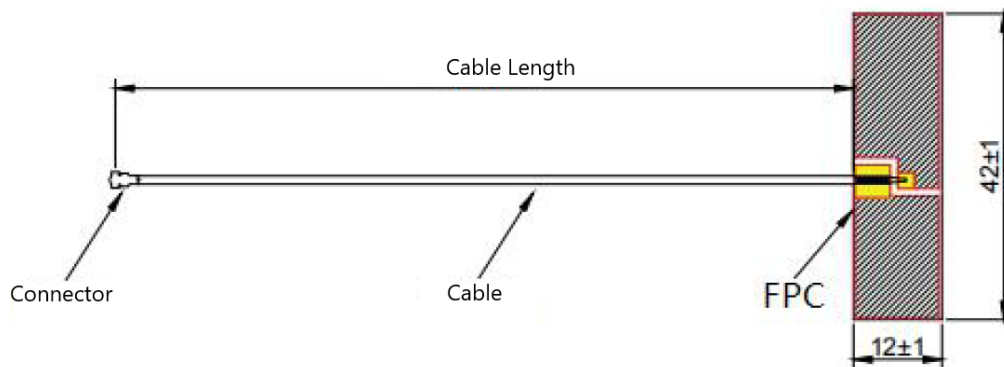
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### Specifications

Electrical		
Frequency Range	2400~2500MHz	5000~5800MHz
Peak Gain	3.4 dBi	5.0 dBi
V.S.W.R	< 3.0	
Polarization	Linear	
Impedance	50Ω	
Environmental		
Operating Temperature	-30°C~+80°C	
Vibration	10 ~ 55Hz 1.5mm Amplitude 2 Hours	
RoHS Compliant	Yes	

### Dimension Drawing



### Dimensions (mm) & Mechanical

unit: mm

Length	42 ± 1.0
Width	12 ± 1.0
Cable orientation	Horizontal
Mounting	Adhesive

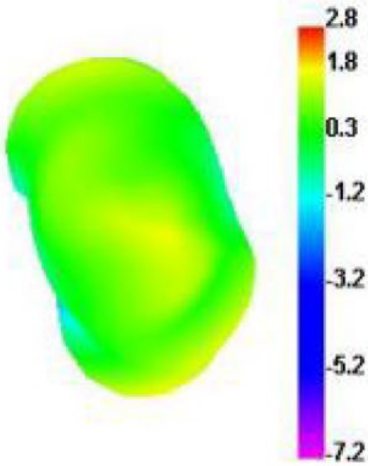
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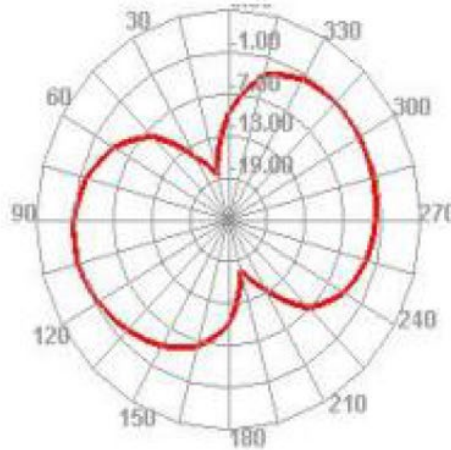


## Radiation Patterns: 3D Gain Patterns @ 2442 MHz

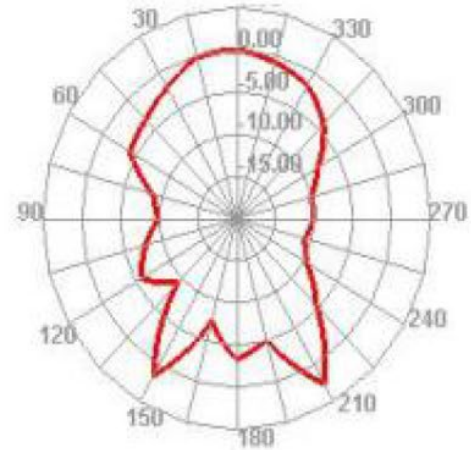
2400.000 MHz



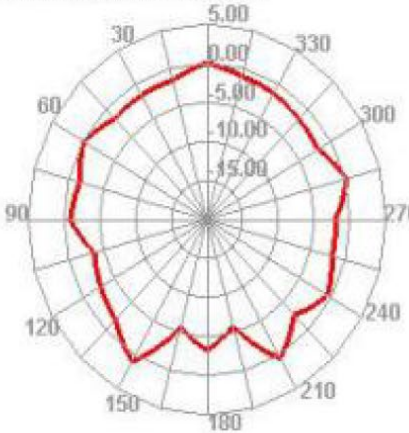
2400.000 MHz H



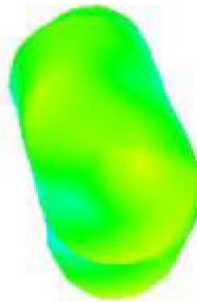
2400.000 MHz E1



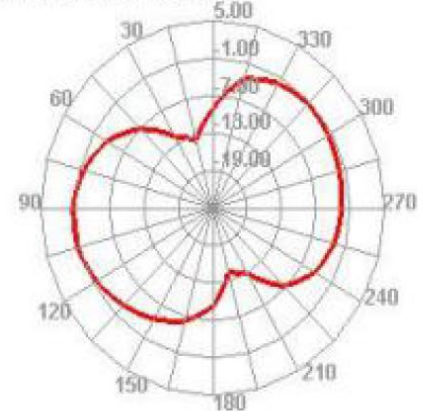
2400.000MHz E2



2450.000MHz



2450.000MHz H

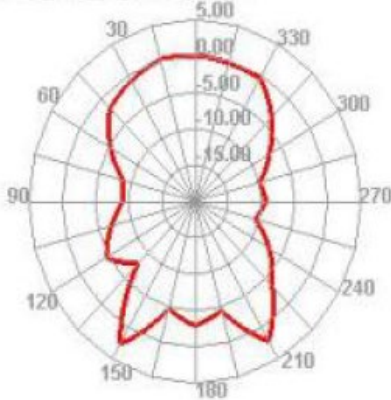


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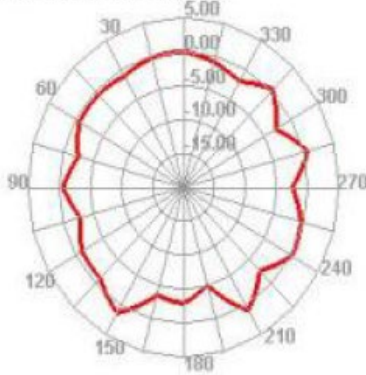
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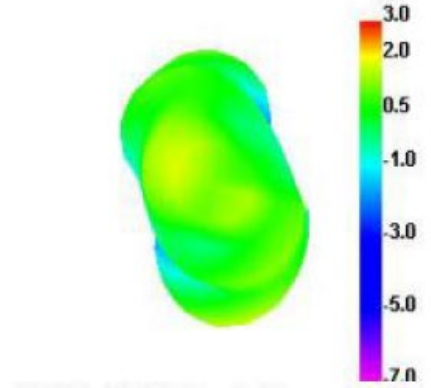
### 2450.000MHz E1



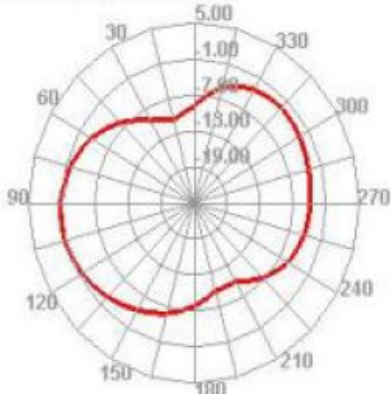
### 2450.000MHz E2



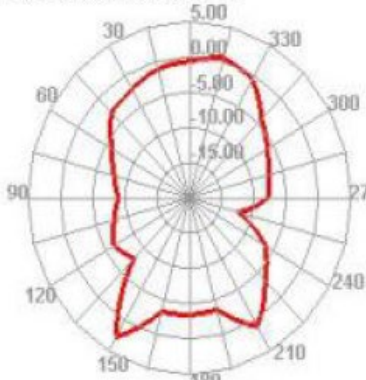
### 2500.000MHz



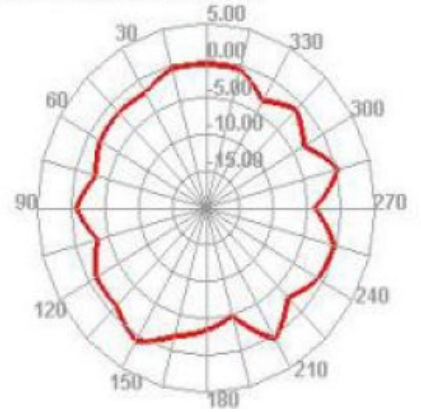
### 2500.000MHz H



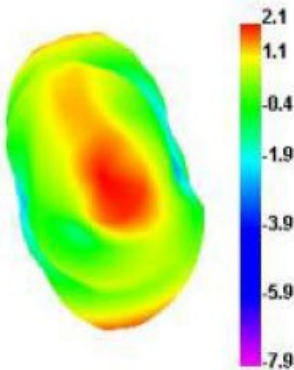
### 2500.000MHz E1



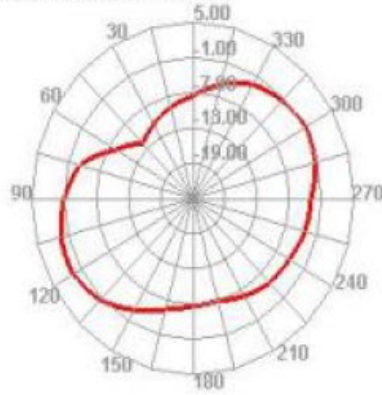
### 2500.000MHz E2



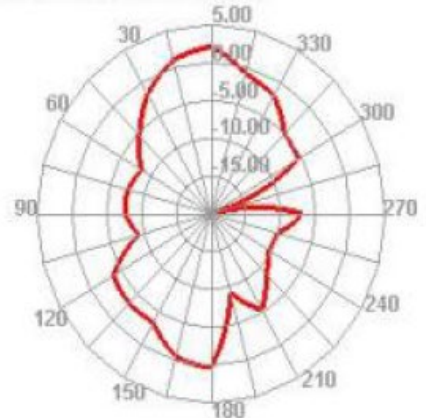
### 4900.000MHz



### 4900.000MHz H



### 4900.000MHz E1

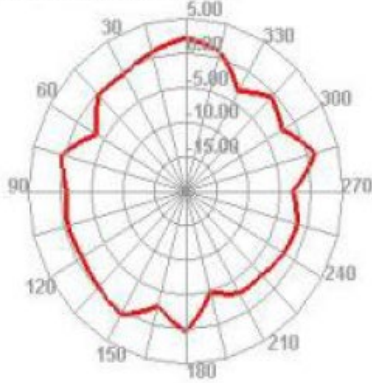


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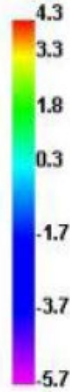
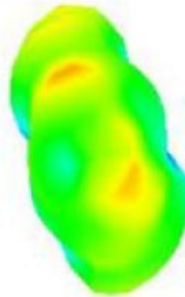
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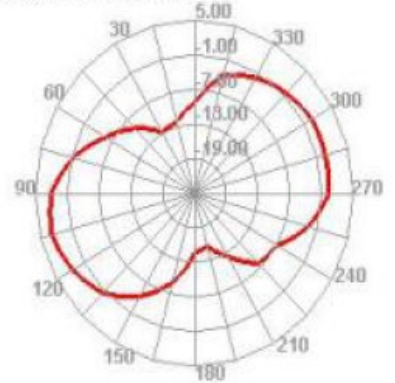
4900.000MHz E2



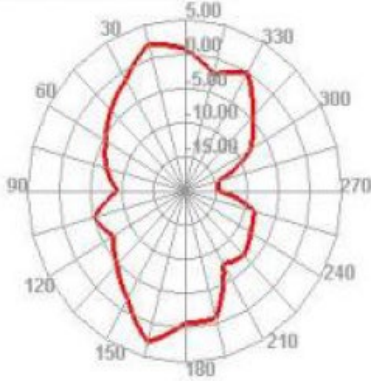
5825.000MHz



5825.000MHz H



5825.000MHz E1



5825.000MHz E2

