

# NANF6X5AMW2R450G1X70JHF

## 2.4 GHz WIFI FPC Antenna



### Description

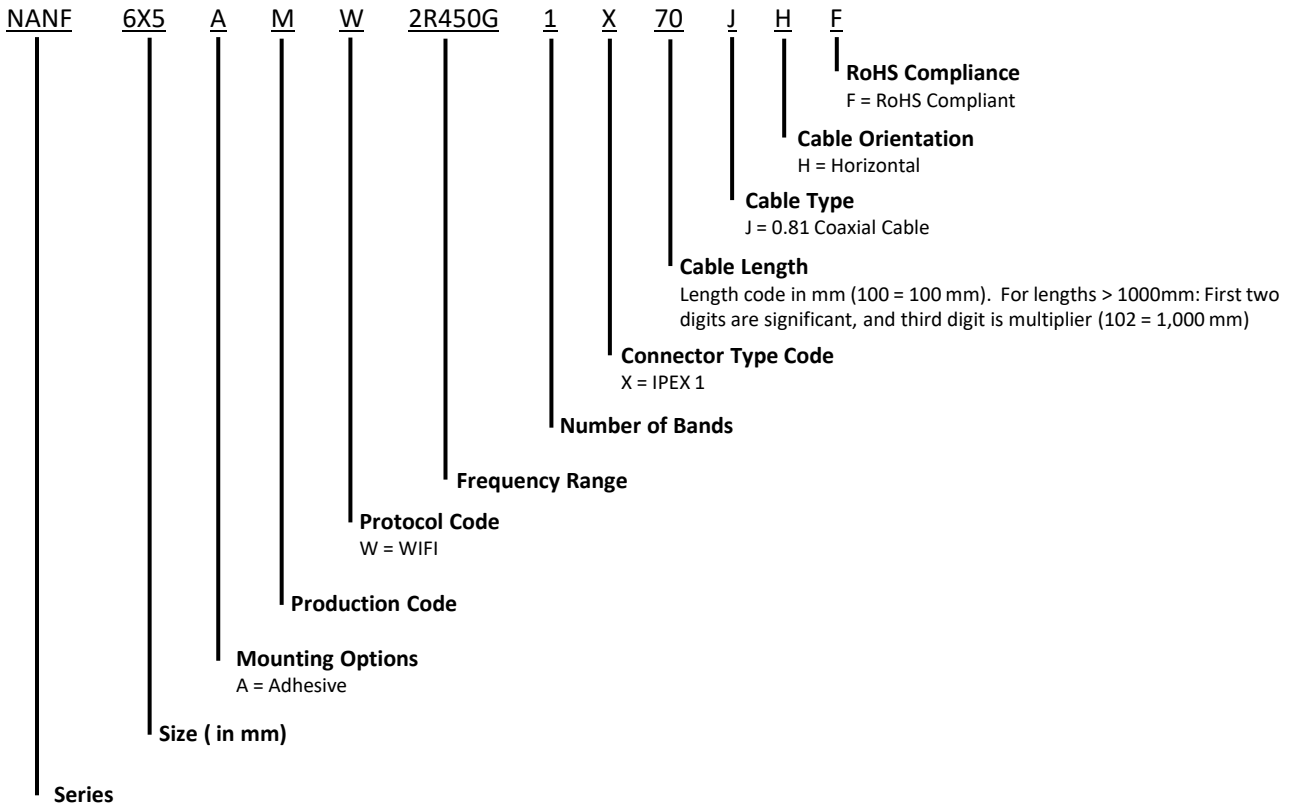
NANF6X5AMW2R450G1X70JHF is a Flexible PCB Antenna designed for WIFI applications. It operates within the frequency ranges of 2400 ~ 2500 MHz, making it perfect for use in Routers, Gateways, Smart Meters and Communication

### Features

- WIFI Protocols
- Stable and Reliable Performance
- Customizable Cable and Connector
- RoHS Compliant



### Part Number Breakdown:



### Standard Part Number Listing

Part Number	Connector	Cable Length	Cable Type	Cable Orientation
NANF6X5AMW2R450G1X70JHF	IPEX I	70 mm	0.81 Coaxial Cable	Horizontal

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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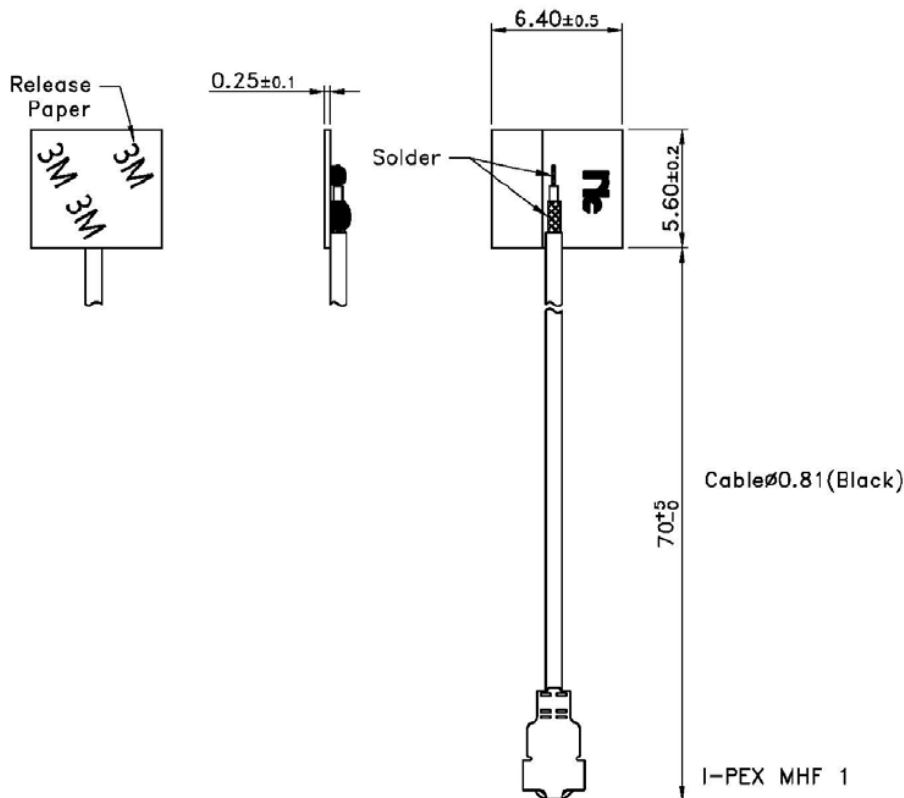
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### Specifications

Electrical			
Frequency Range	2400 MHz	2450 MHz	2500 MHz
Gain	5.2 dB	5.0 dB	4.12 dB
Efficiency	59.8%	60%	49.03%
V.S.W.R	≤ 3.5		
Polarization	Linear		
Impedance	50Ω		
Environmental			
Operating Temperature	-40°C~+85°C		
RoHS Complaint	Yes		

### Dimension Drawing

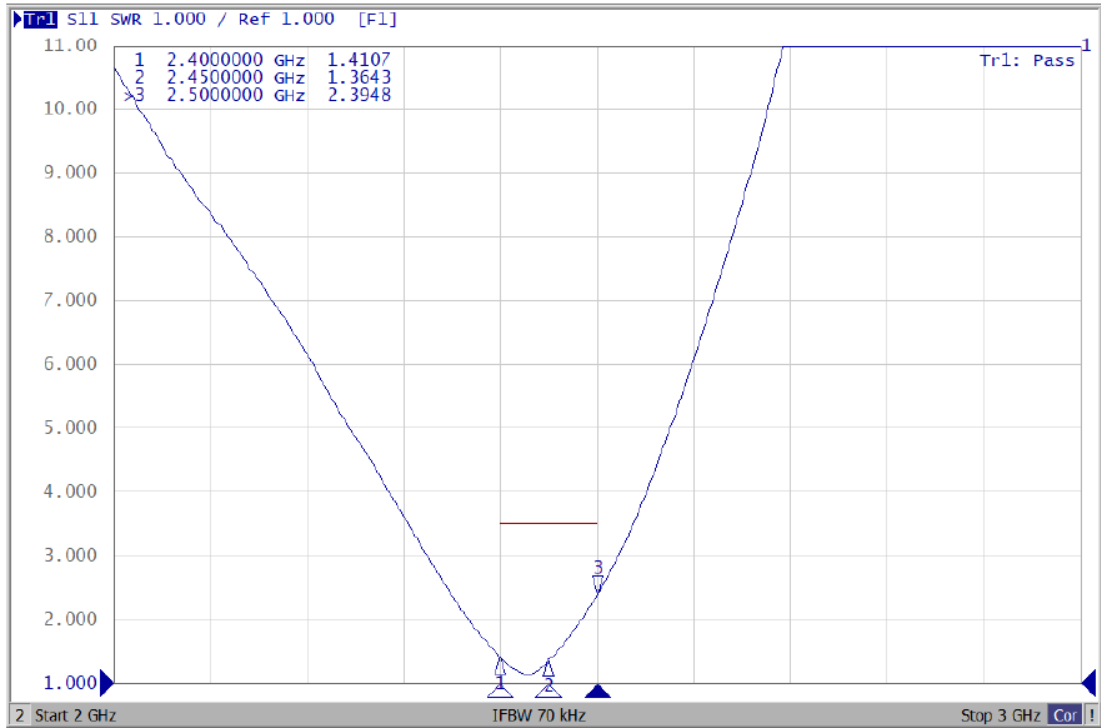


# NANF6X5AMW2R450G1X70JHF

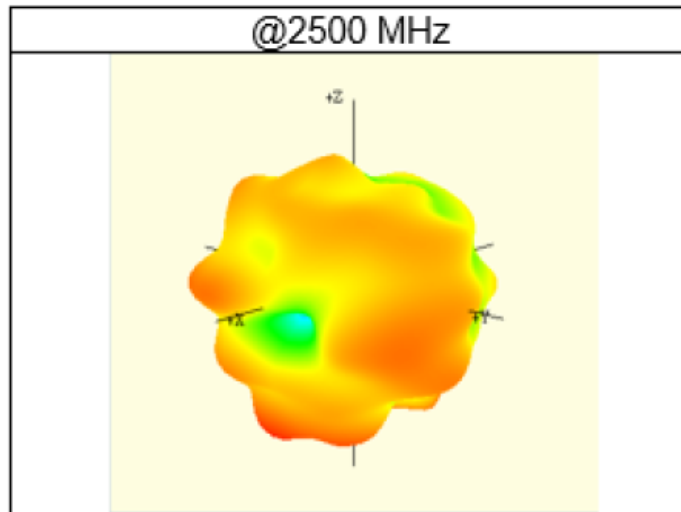
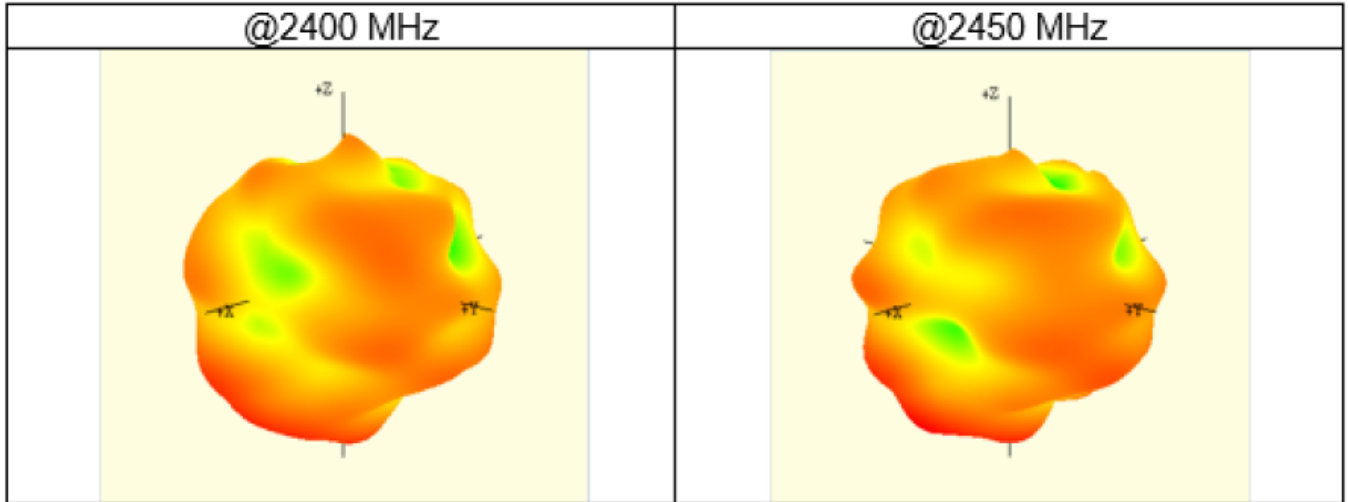
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### VSWR

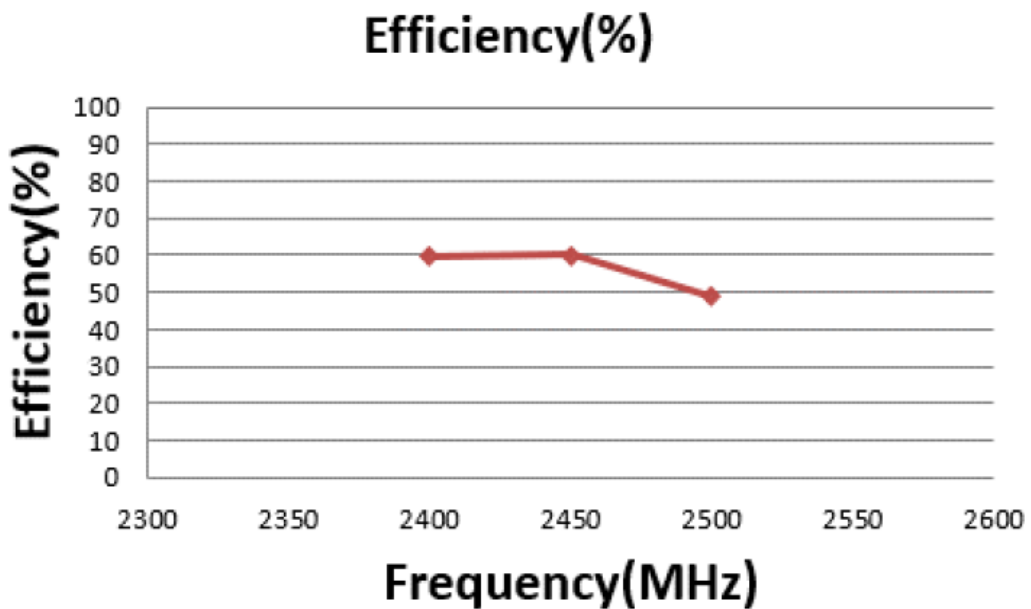
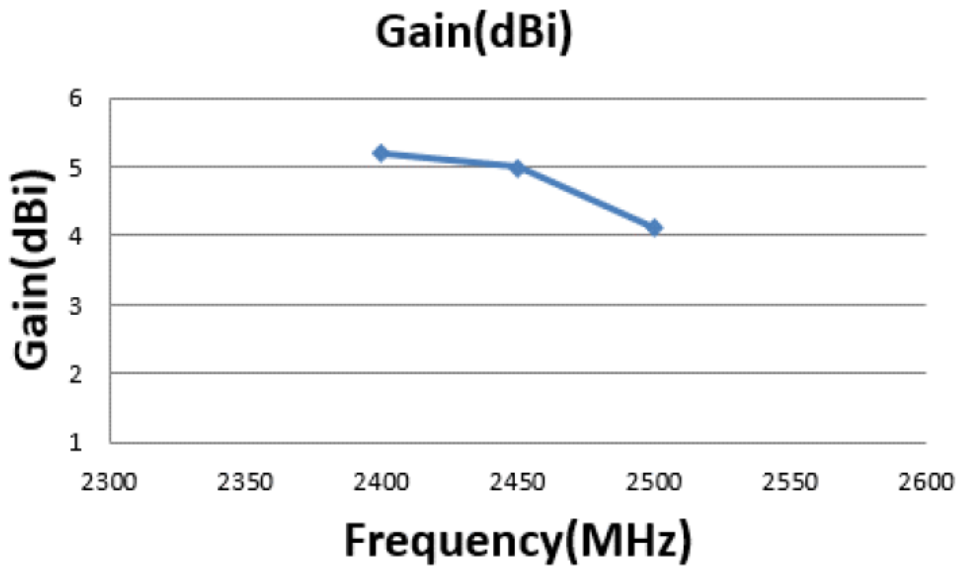


### Radiation Patterns





### Gain and Frequency



### Test Equipment

Anechoic Chamber: 100 MHz ~ 6 GHz 8x6x6m (1m Quiet zone at 800MHz)

Source Antenna: ETS-3164 Dual Polarized Horn

Network Analyzer: Agilent E5071B 100kHz ~ 8.5 GHz

