

NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna



Description

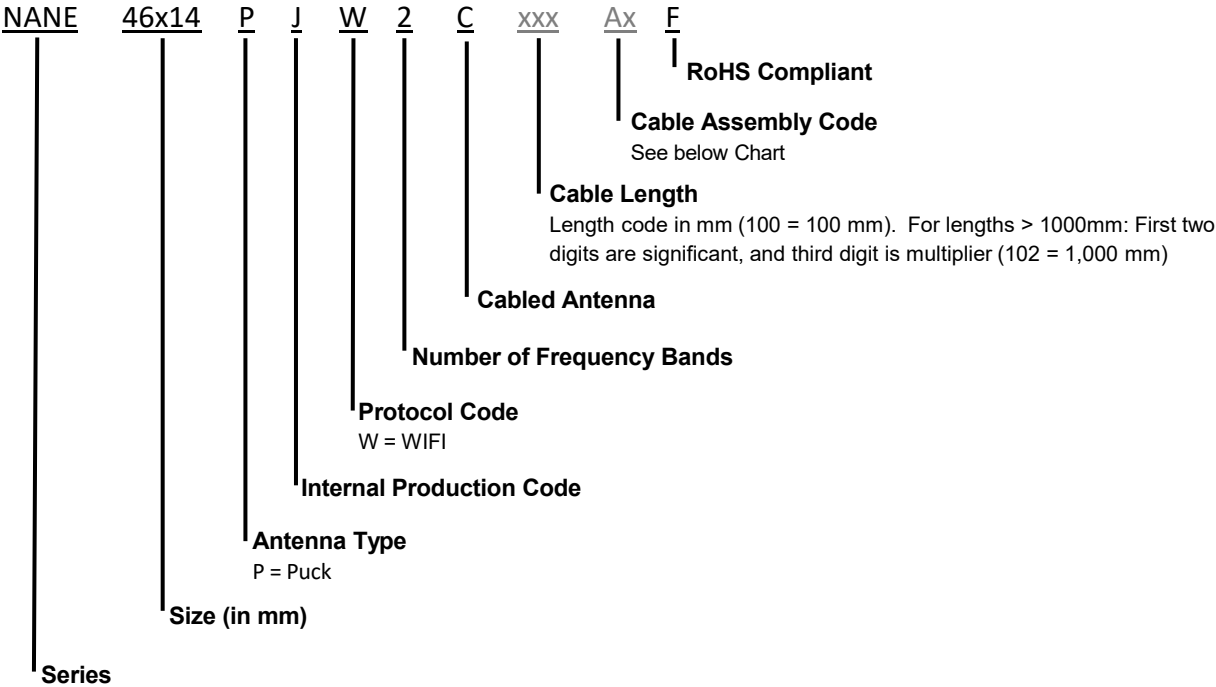
The NANE46X14PJW2CF is the base part number for an external active antenna designed for dual-band WIFI applications. It operates within the frequency ranges of 2400~2483.5 MHz and 4900~5825 MHz, making it perfect for use in Routers, Gateways, and Meters.



Features

- 2.4 & 4.9 GHz WIFI Protocols
- Customizable Cable and Connector Options
- IP66 Waterproof Rating
- RoHs Compliant

Part Number Breakdown



Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANE46X14PJW2C500A1F	WIFI	IPEX IV	RF1.37	500 mm
NANE46X14PJW2C400A0F	WIFI	SMA MALE	RG174	400 mm
NANE46X14PJW2C302A0F	WIFI	SMA MALE	RG174	3000 mm
NANE46X14PJW2C302A1F	WIFI	SMA FEMALE	RG174	3000 mm

Performance Passives By Design

Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANE46X14PJWM2C102A0F	WIFI MIMO (WM)	SMA MALE	RG174	1000 mm

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

Specifications

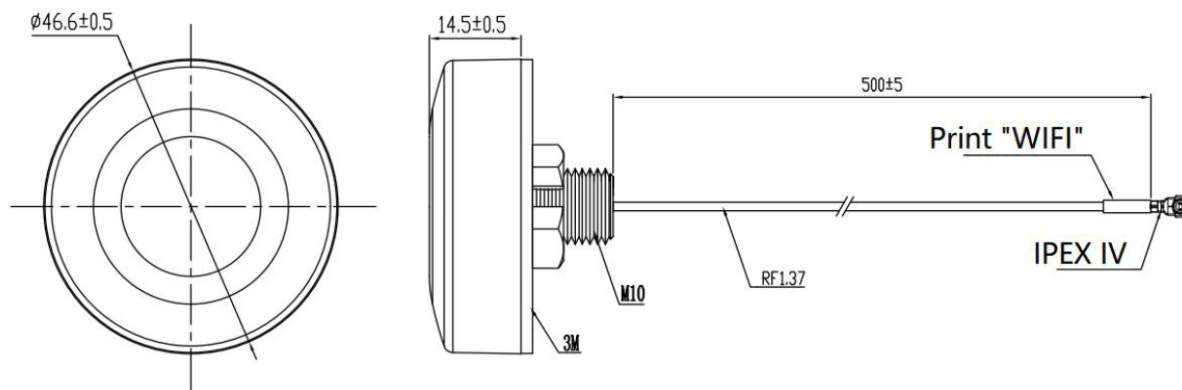
Electrical		
Frequency Range	2400~2483.5 MHz	4800~5925 MHz
Polarization	Linear	
Gain	2 dBi typ.	
V.S.W.R	< 2.5	
Impedance	50Ω	
Radome Material	ABS	
Mounting Method	Screw	
Environmental		
Operating Temperature -	-40°C~+85°C	
Relative Humidity	Up to 95%	
Ingress Protection	IP65~IP66	
Vibration	10 to 55Hz with 1.5mm amplitude 2hrs	
ROHS Compliant	Yes	

NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna

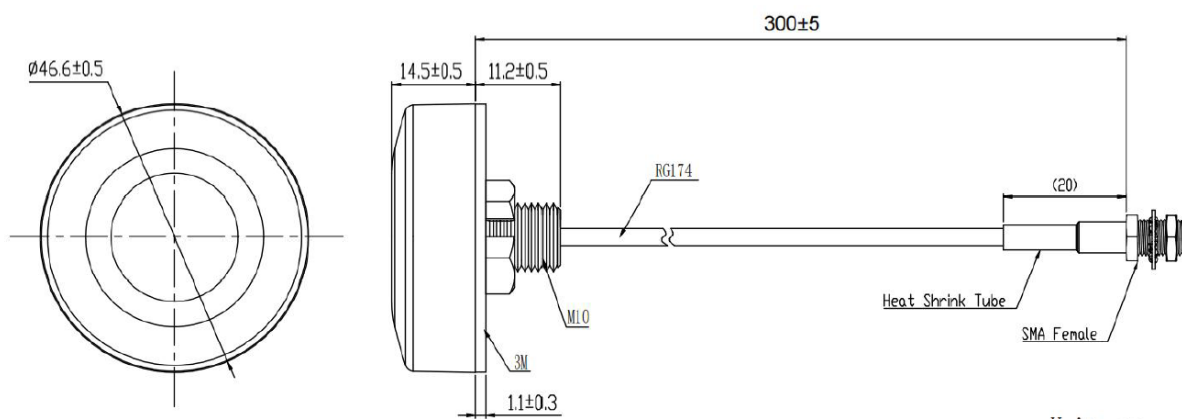


Dimensions



Unit: mm

NANE46X14PJW2C500A1F Dimensions

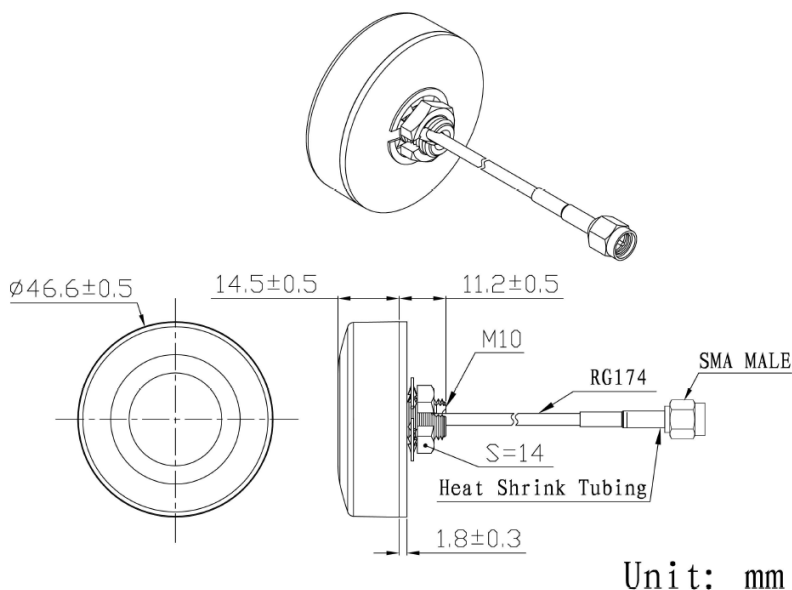


Unit: mm

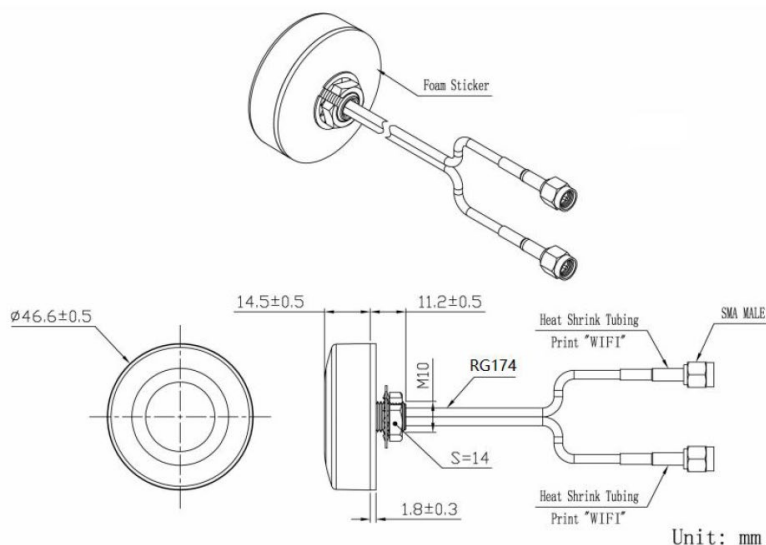
NANE46X14PJW2C302A1F Dimensions

NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna



NANE46X14PJW2C302A0F Dimensions



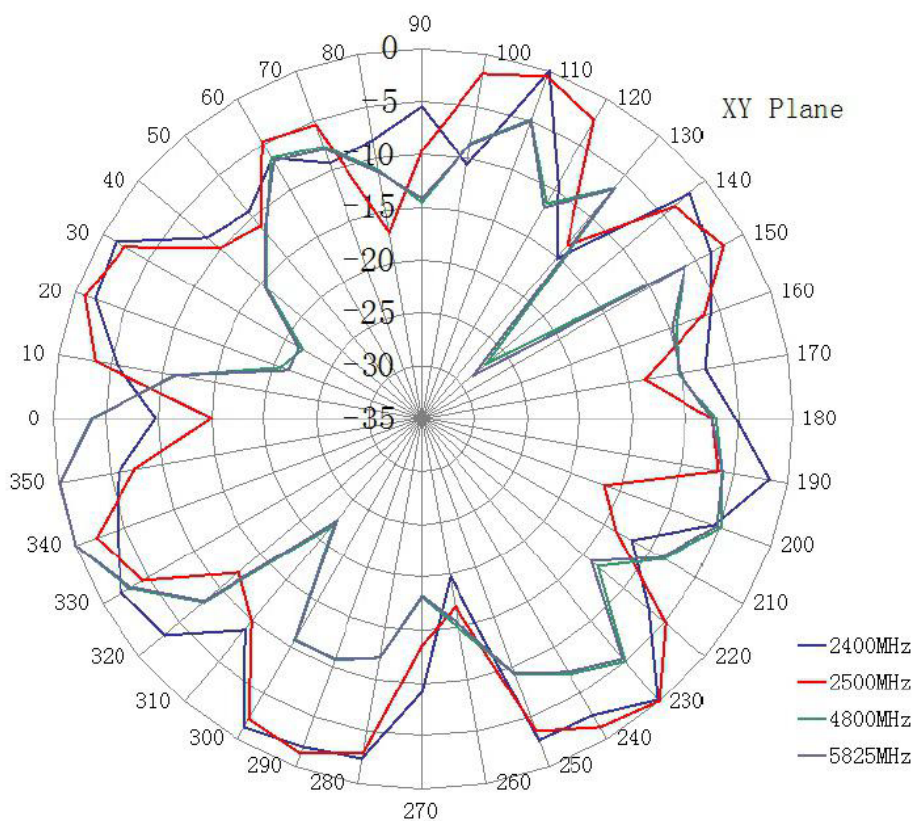
NANE46X14PJW2C102A0F Dimensions

NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna

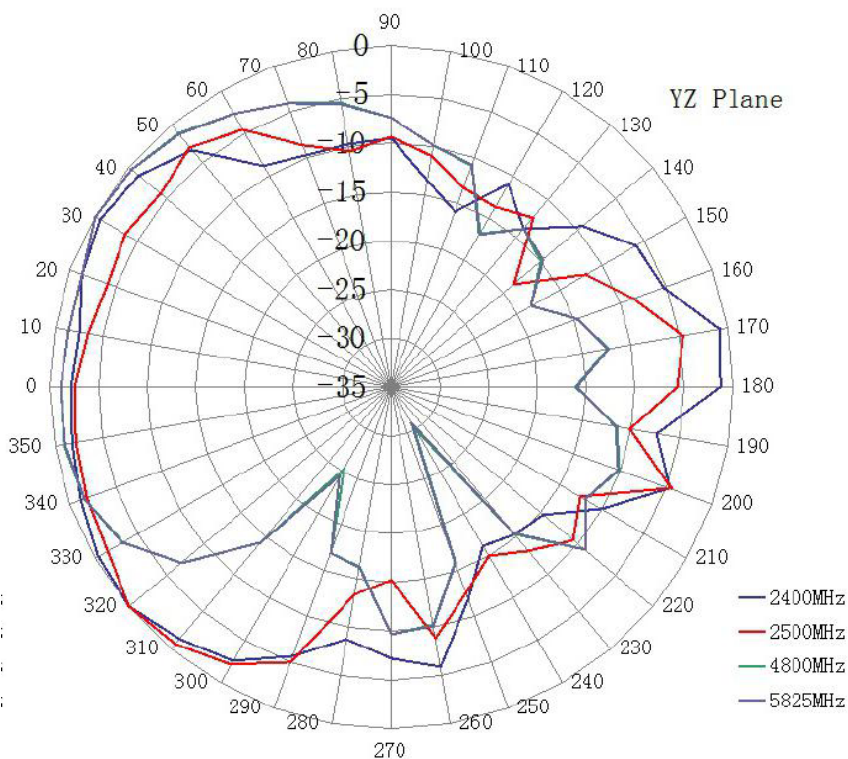
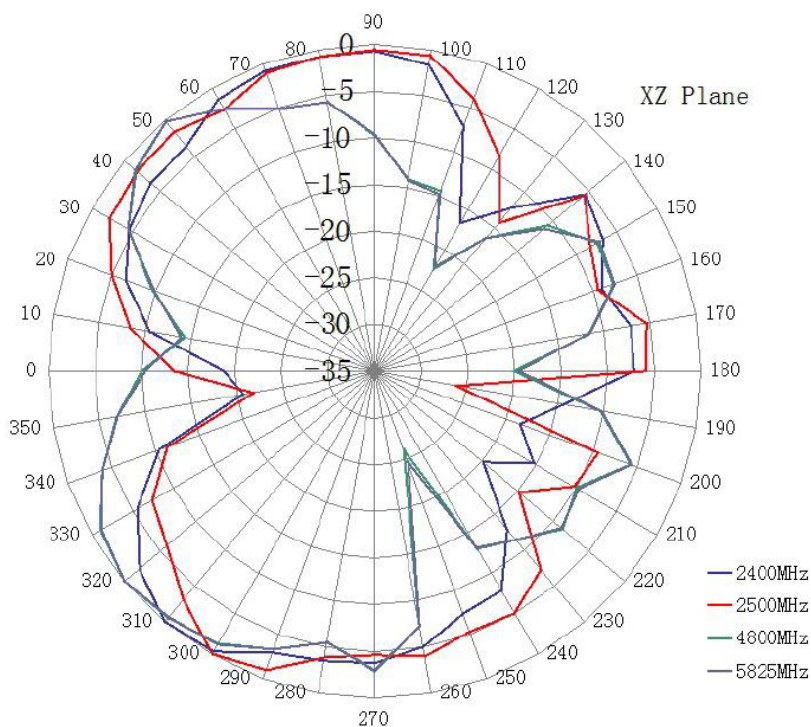


Radiation Patterns

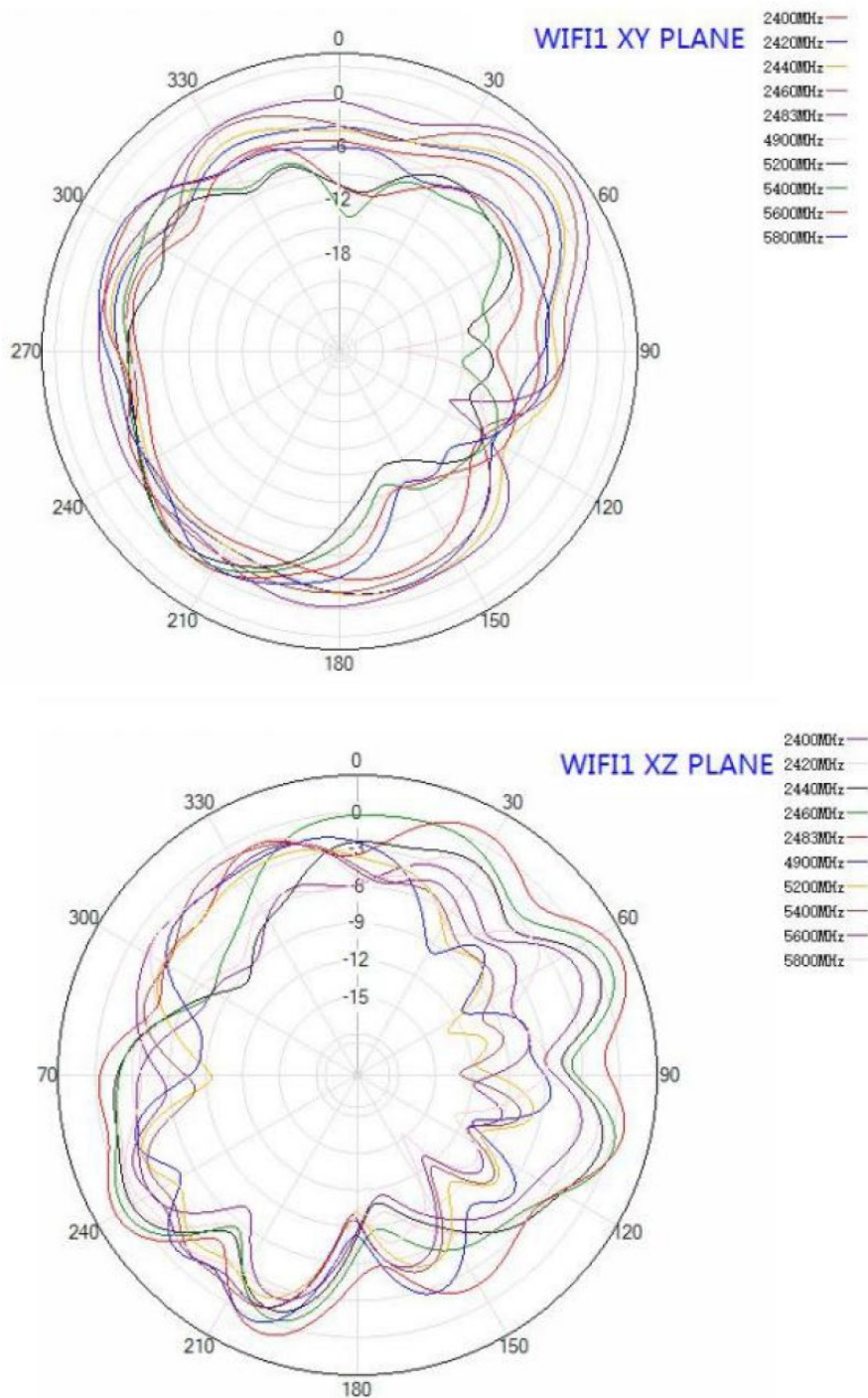


NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna

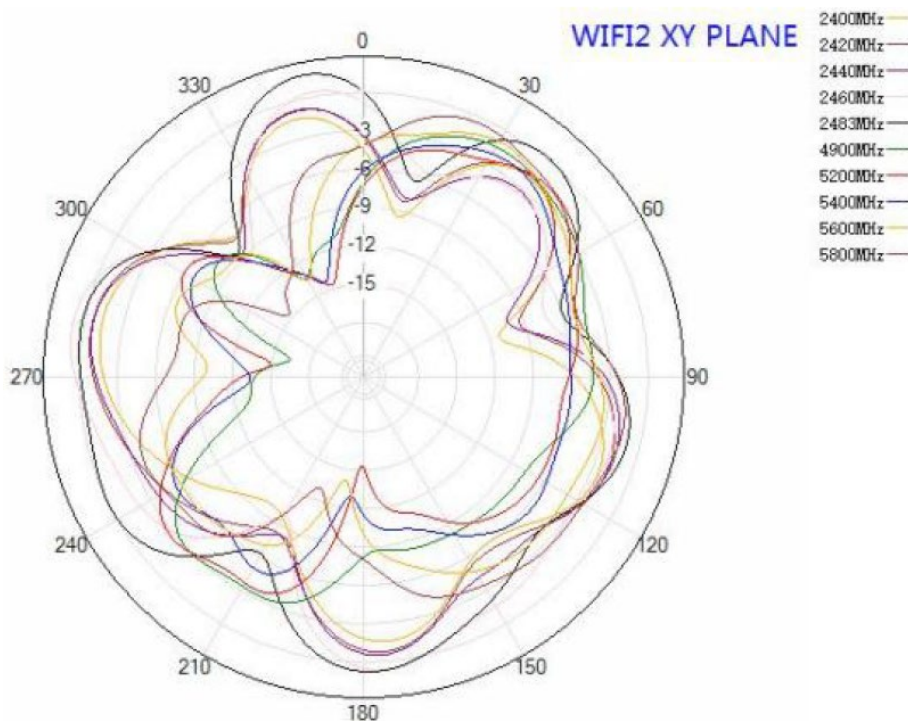
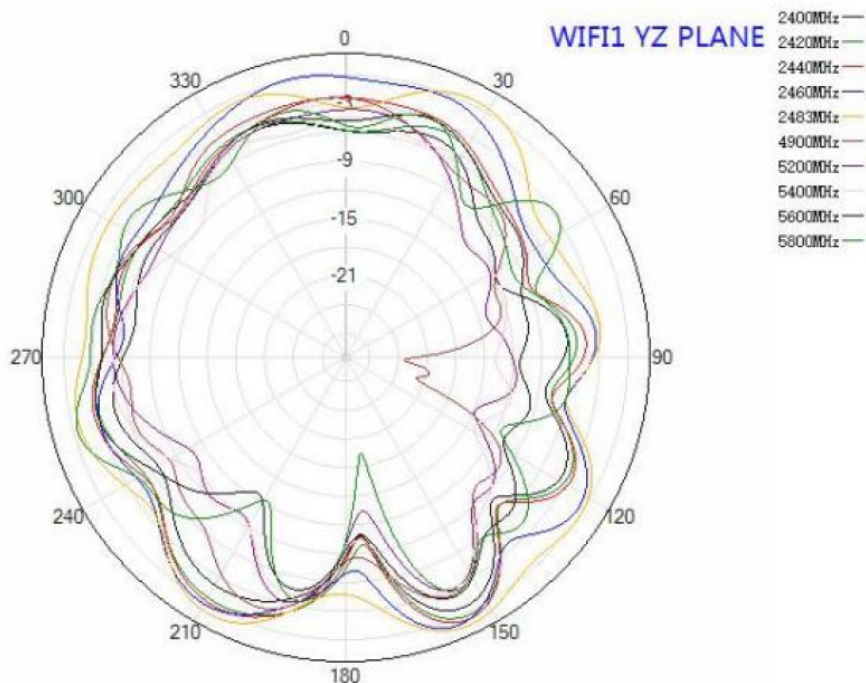


NANE46X14PJW2C102A0F Radiation Patterns



NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna



NANE46X14PJW2CF

2400 & 4900 MHz WIFI External Antenna

