NANE1100X20FSJS0R915G1NF

ISM / LoRa External Antenna

Description

The NANE1100X20FSJS0R915G1NF is an External Antenna designed for ISM / LoRa applications. It operates within the frequency ranges of 915 MHz making it perfect for Cellular communication, Hotspots and LoRaWAN.

Features

- ISM / LoRa 915 MHz Band
- Waterproof
- Fiberglass Antenna
- RoHS Complaint

Part Number Breakdown

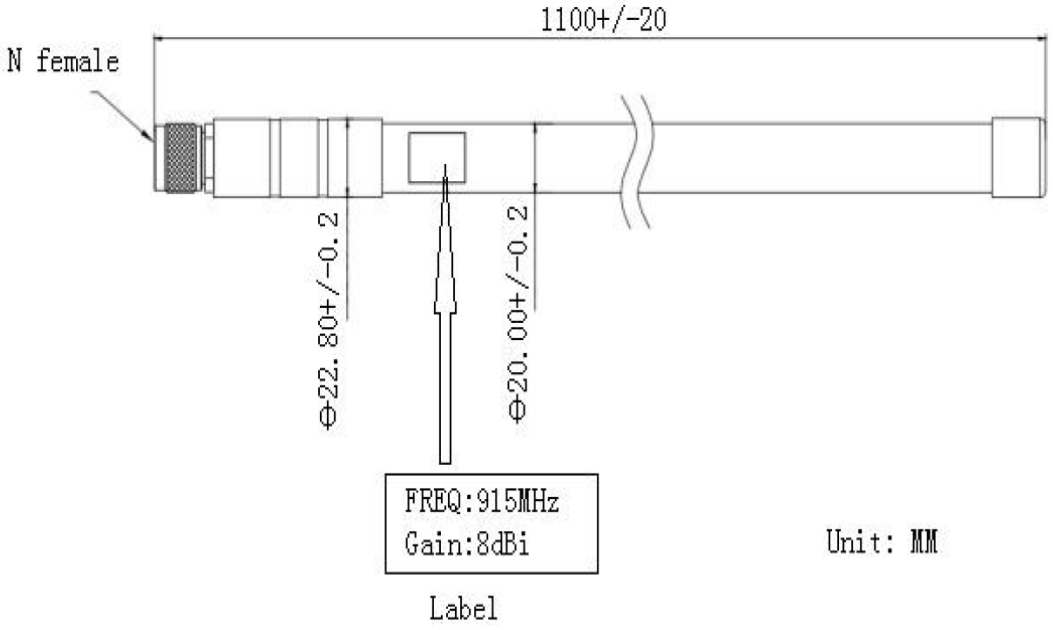
NANE 1100X20 F S J S 0R915G 1 N F

- F — RoHS Compliant
- N — Connector Code
- 1 — Number of Frequency Bands
- 0R915G — Center Frequency
- S — Protocol Code
- J — Internal Production Code
- S — Straight
- F — Fiberglass Antenna
- 1100X20 — Dimensions
- NANE — Series

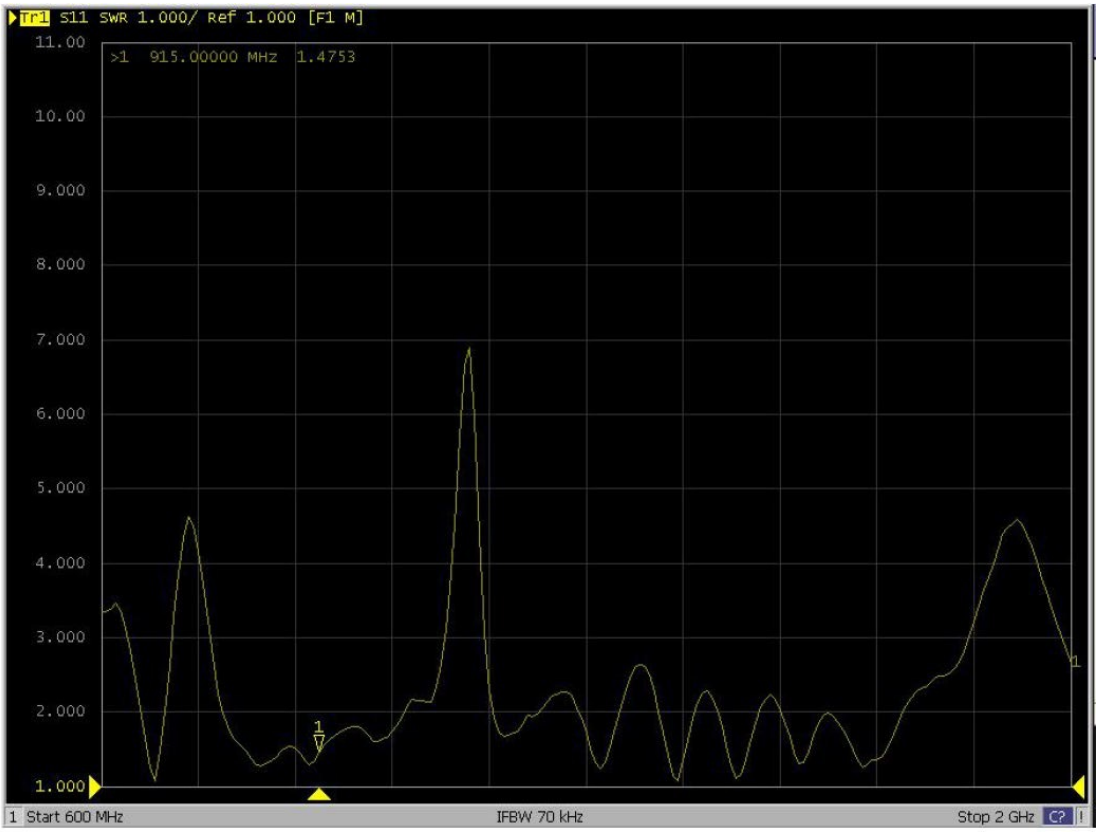
Specifications

Electrical	
Frequency Range	915 MHz
Bandwidth	915MHz±10MHz
Polarization	Vertical
Gain	8 dB
V.S.W.R	≤1.6
Radiation Direction	Omnidirectional
Half Power Corner	H: 360 V: 16.5
Max Input Power	100 W
Impedance	50Ω
Mechanical	
Connection Type	N
Weight	0.35kg
Radome	Fiberglass
Color	White
Mouthing Method	U bracket
Mounting Hardware	Φ 35~Φ 50 mm
Environmental	
Operating Temperature	-40℃~+60℃
Lightning Protection	DC Ground
Wind Resistance	60 m/s
RoHS Compliant	Yes

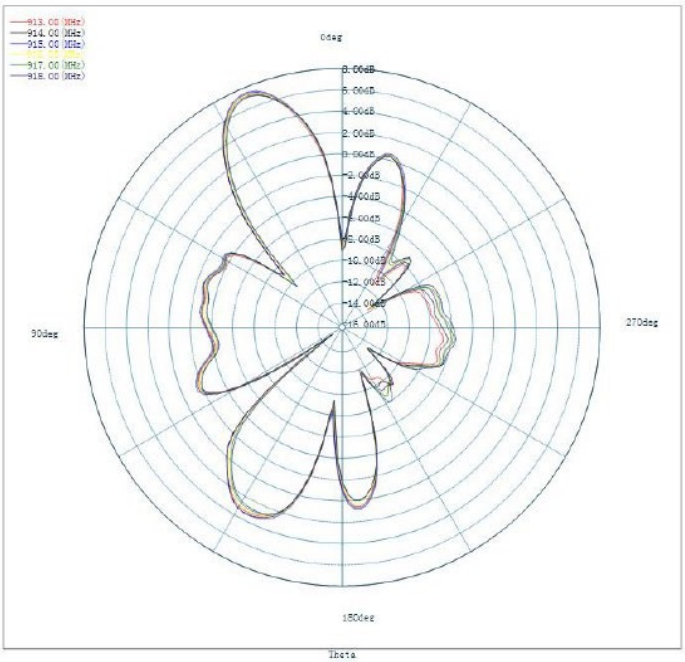
Dimensions

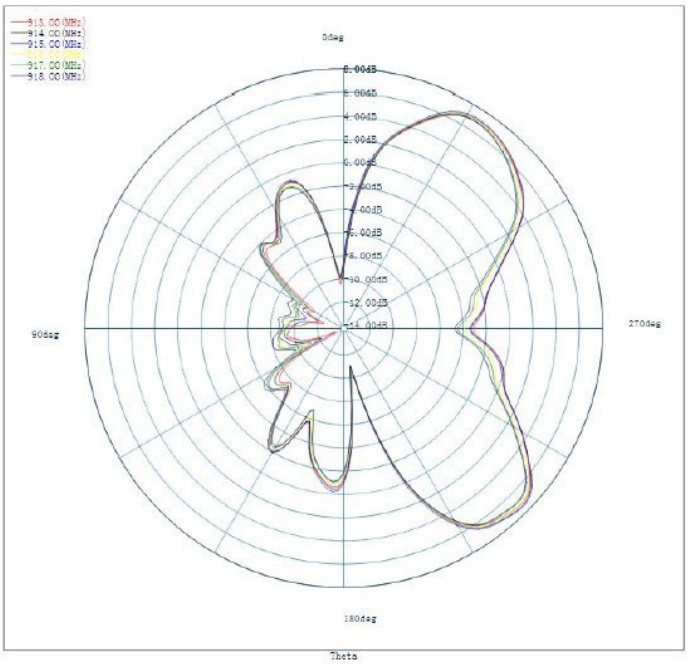

1100+/-20
N female
Φ22.80+/-0.2
Φ20.00+/-0.2
FREQ:915MHz
Gain:8dBi
Label
Unit: MM

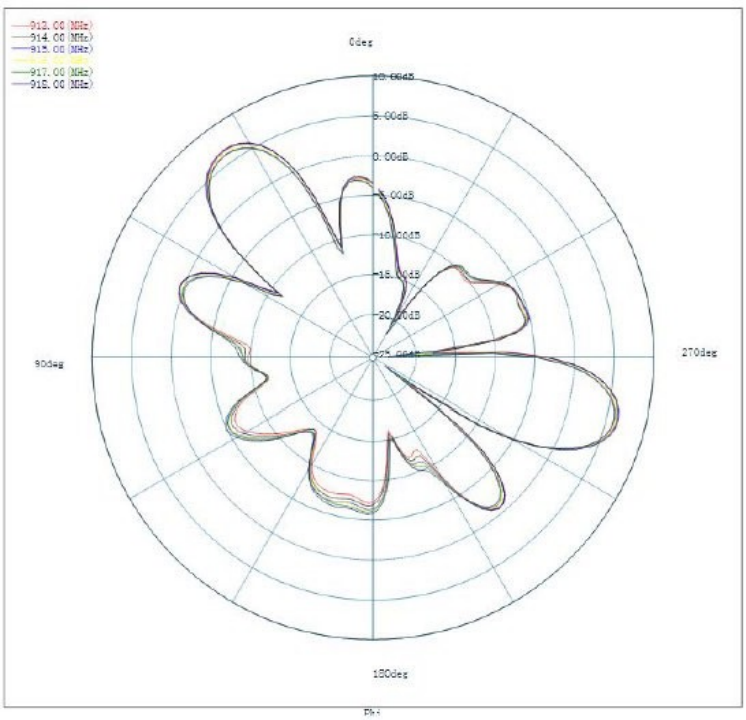
VSWR


Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]
>1 915.00000 MHz 1.4753
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Start 600 MHz
IFBW 70 kHz
Stop 2 GHz

Radiation Patterns

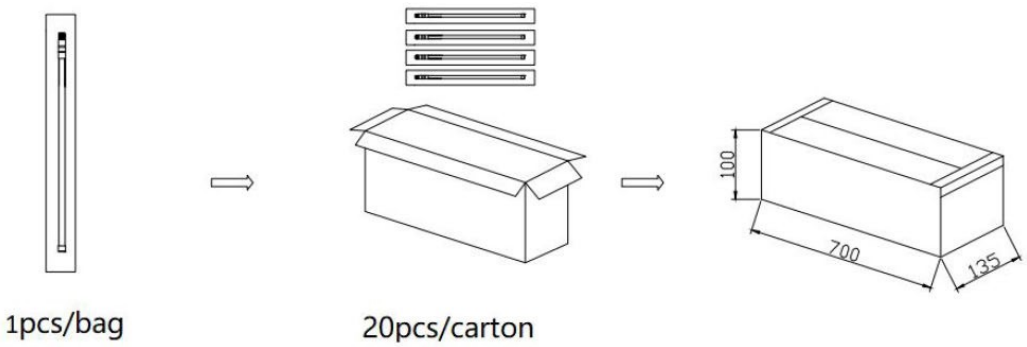




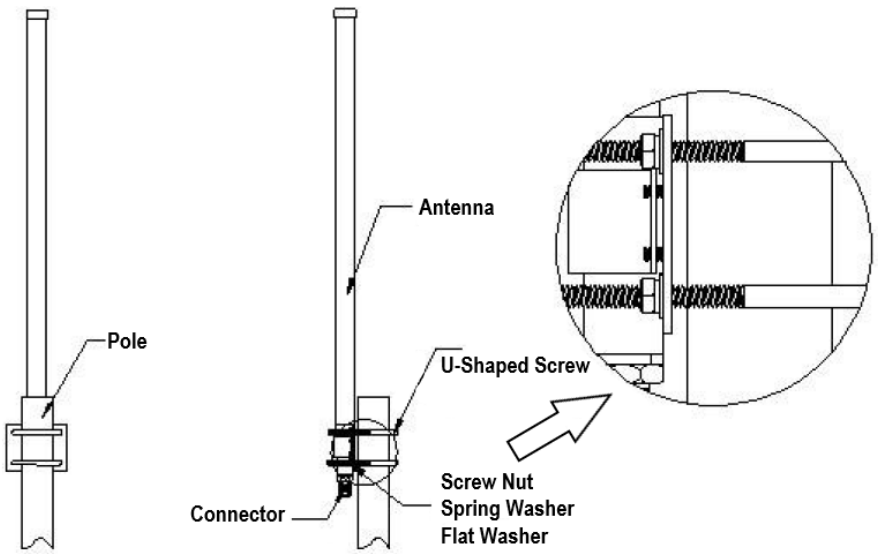


Package

1. 1 pcs antenna per bag
2. 20 bags per carton



Installation Instructions



Installation Steps

1. Place the M6 U-shape screw through the holes on the clamps to mount the antenna to the pole, whose outer diameter is 35～50mm.Then put on the flat washer and the spring washer and twist all the nuts.

2. There should be at least three meters between the ground or floor and the antenna above. Do not place near any huge buildings, metal objects or any other obstacles or shelters.

3. Adjust the mounting height of the antenna to the proper position to receive the best signal and then seal all the connections.

4. Please pay attention to lightning protection.