FEATURES

- Stable and reliable in performances
- Compact size
- RoHS compliant

APPLICATIONS

- ISM 915 Band
- Smart meters
- Wireless alarm and security system
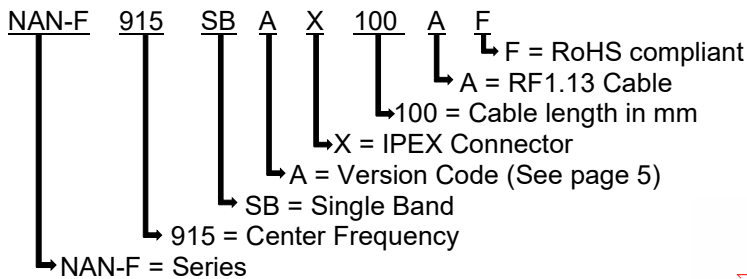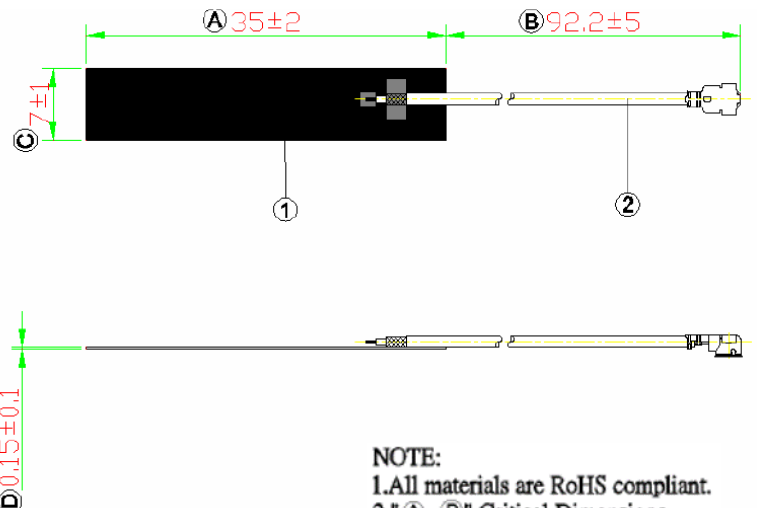- Industrial monitoring and control
- IOT applications

SPECIFICATIONS

Electrical	
Frequency Range	902 ~ 928 MHz
Center Frequency	915 MHz
Polarization	Linear
Peak Gain	2.3 dBi (typ.)
V.S.W.R	2.0 Max
Efficiency	65.9% (typ.)
Impedance	50Ω

Dimensions (mm):	
Body Length (A)	35 ± 2.0
Width (C)	7.0 ± 1.0
Thickness (D)	0.15 ± 0.1
Cable Length	100
Cable Type	RF1.13
Connector Type	IPEX

NAN-F 915 SB A X 100 A F

- F = RoHS compliant
- A = RF1.13 Cable
- 100 = Cable length in mm
- X = IPEX Connector
- A = Version Code (See page 5)
- SB = Single Band
- 915 = Center Frequency
- NAN-F = Series

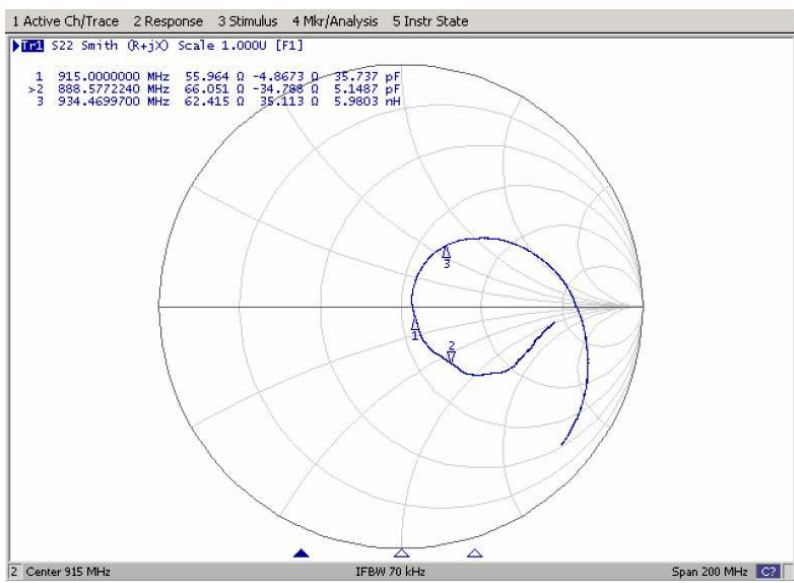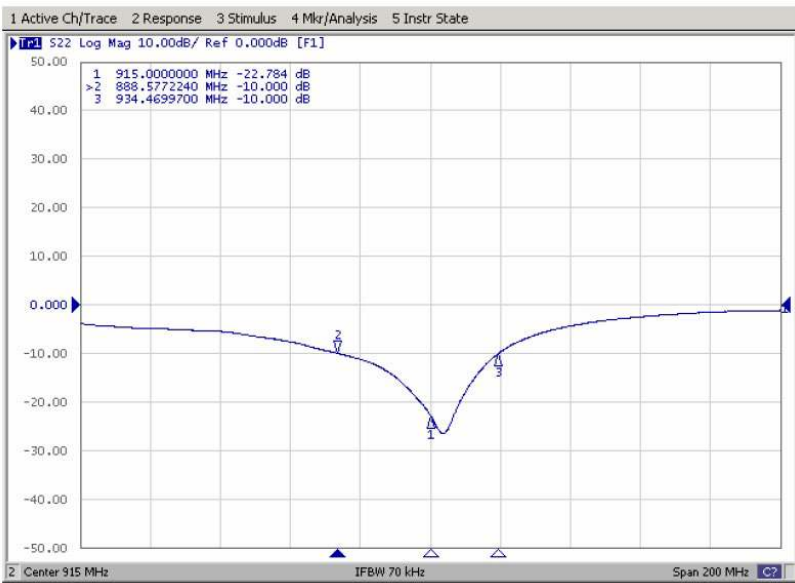| Item	Name	Material	Color
1	NAN-F_FPC	PI	Black
2	I-PEX & RF1.13	FEP	Gray

Ⓐ35±2   Ⓑ92.2±5   Ⓒ7±1   Ⓓ0.15±0.1

NOTE:
1. All materials are RoHS compliant.
2. "Ⓐ~Ⓓ" Critical Dimensions.
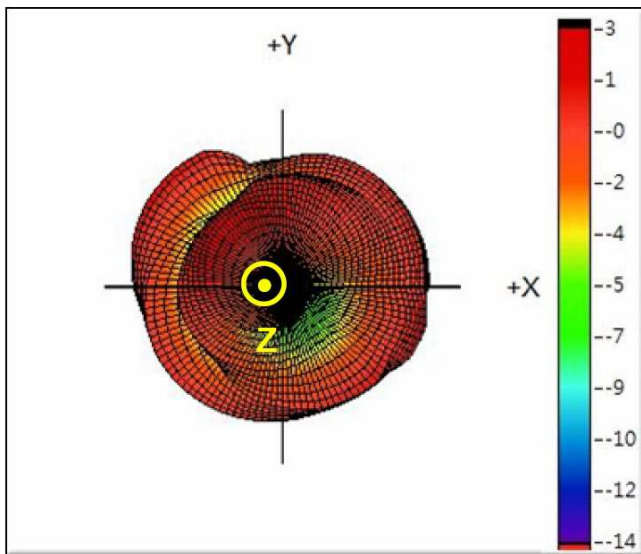3. "( )" Reference Dimensions.
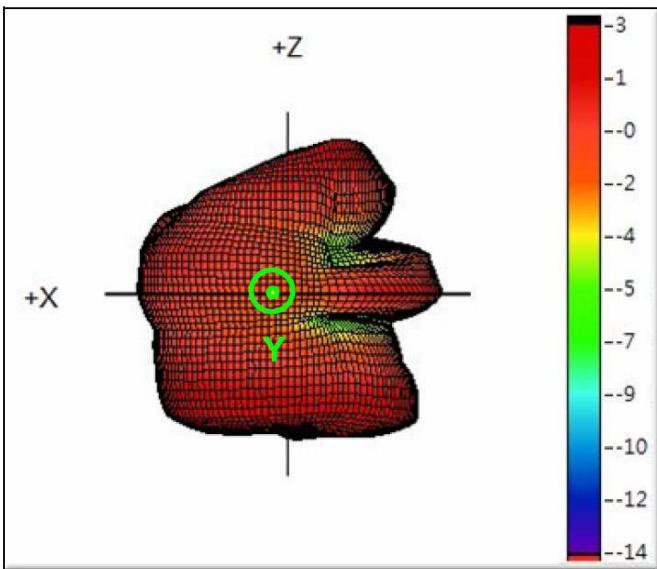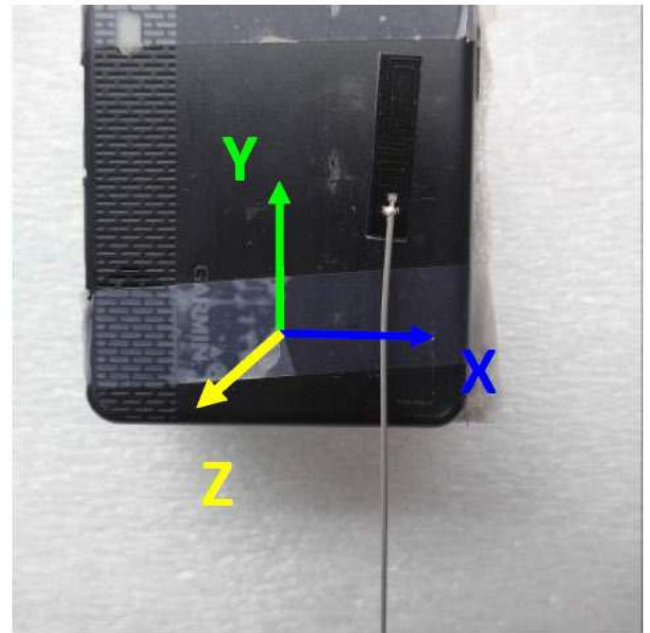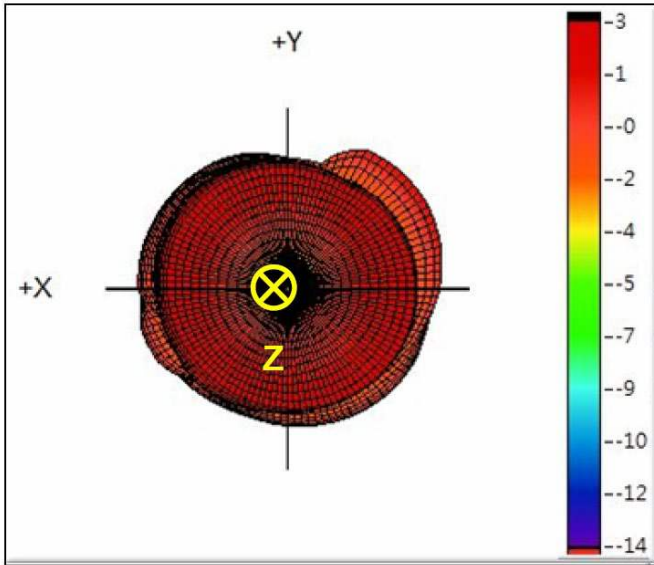
RETURN LOSS AND SMITH CHART

Return Loss

Smith Chart

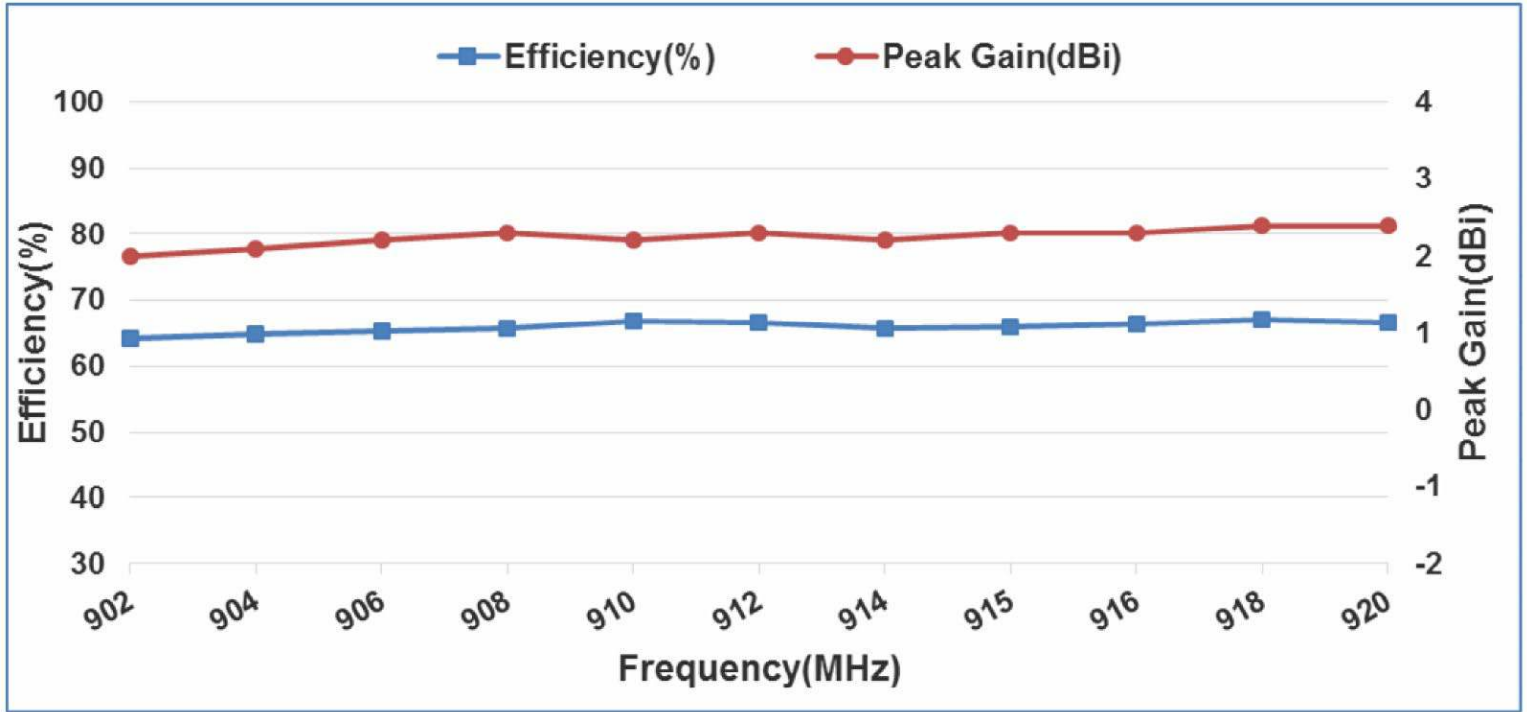

RADIATION PATTERNS

3D Gain Patterns @ 915 MHz

EFFICIENCY TABLE

Frequency(MHz)	902	904	906	908	910	912	914	915	916	918	920	922	924	926	928
Efficiency(dB)	-1.9	-1.9	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.8	-1.7	-1.6	-1.5	-1.5
Efficiency (%)	64.0	64.7	65.2	65.6	66.7	66.5	65.6	65.9	66.4	67.0	66.5	67.3	69.0	70.2	71.0
Peak Gain (dBi)	2.0	2.1	2.2	2.3	2.2	2.3	2.2	2.3	2.3	2.4	2.4	2.3	2.4	2.5	2.6

EFFICIENCY VS. FREQUENCY

Version History and Status

Version	Date Issued	Details	Status
A	Sept 29th, 2021	Initial Release	Supported

Please reach out to NIC for any customization requests and other inquiries:
- NIC Technical Support: tpmg@niccomp.com
- Compliance Support: rohs@niccomp.com

NIC Components Corp.