

FEATURES

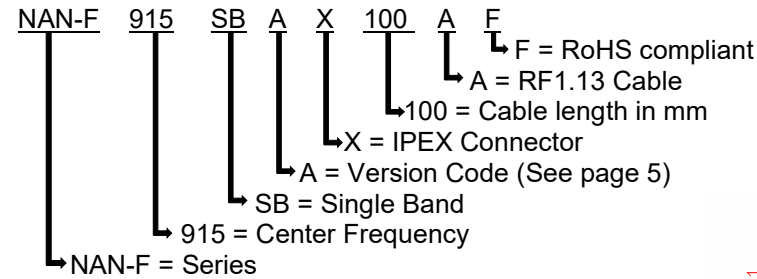
- Stable and reliable in performances
- Compact size
- RoHS compliant

APPLICATIONS

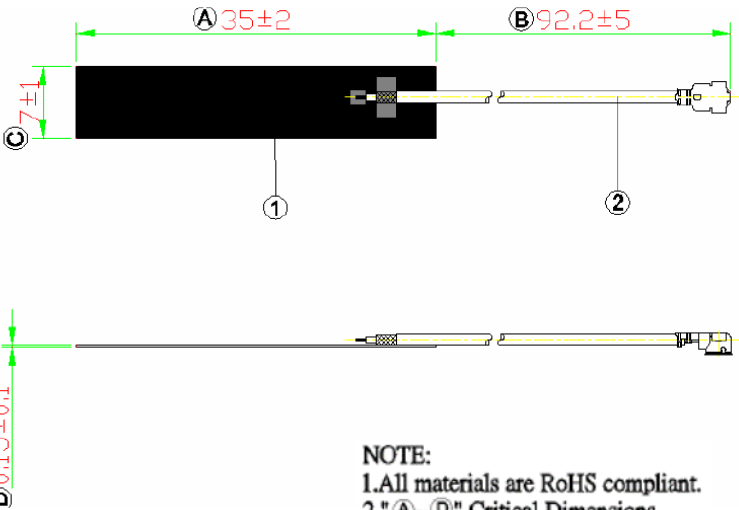
- ISM 915 Band
- Smart meters
- Wireless alarm and security system
- Industrial monitoring and control
- IOT applications

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



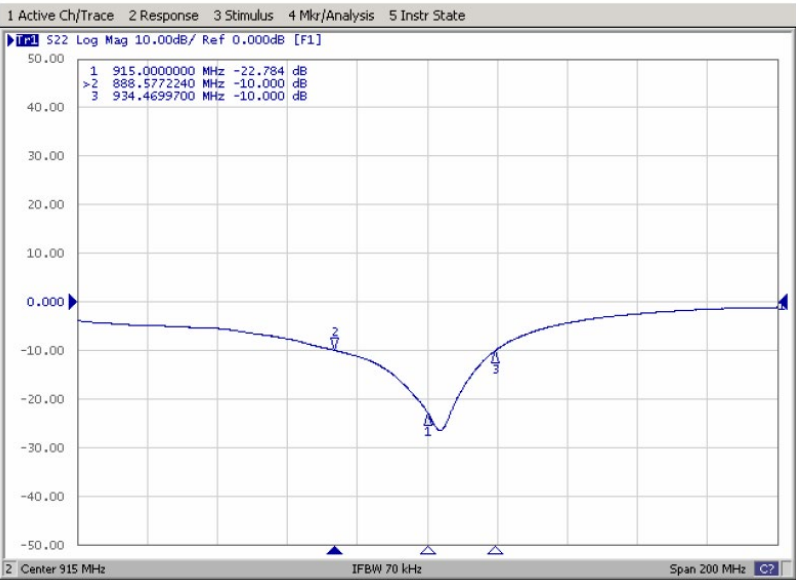
Item	Name	Material	Color
1	NAN-F_FPC	PI	Black
2	I-PEX & RF1.13	FEP	Gray



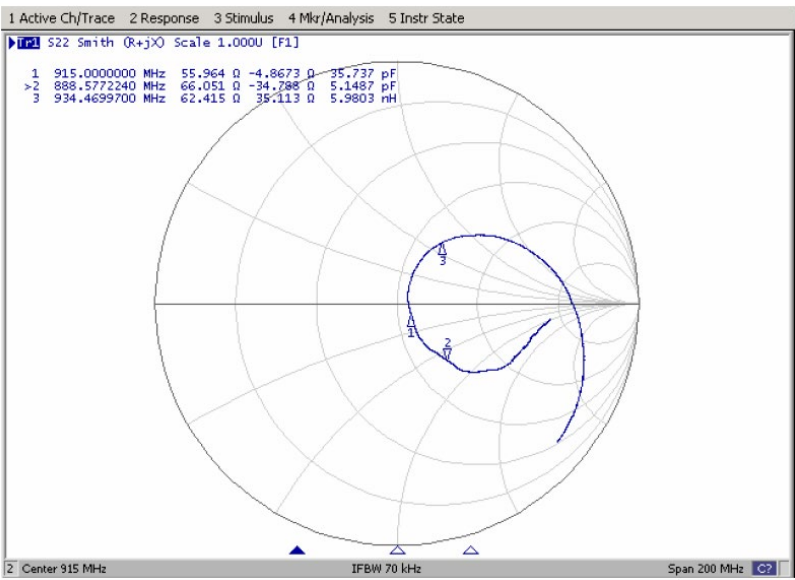
NOTE:
1.All materials are RoHS compliant.
2."A~D" Critical Dimensions.
3."()" Reference Dimensions.

RETURN LOSS AND SMITH CHART

Return Loss

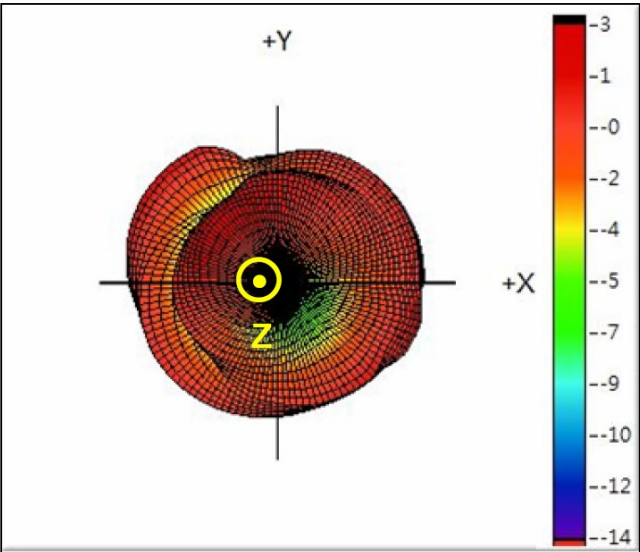


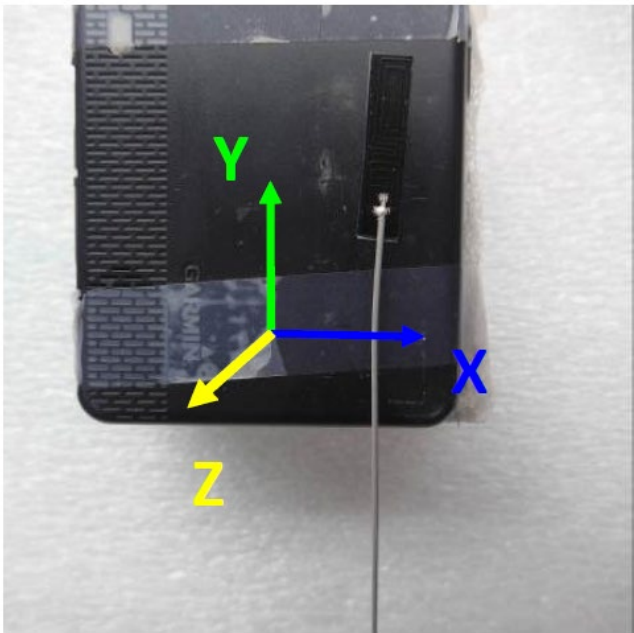
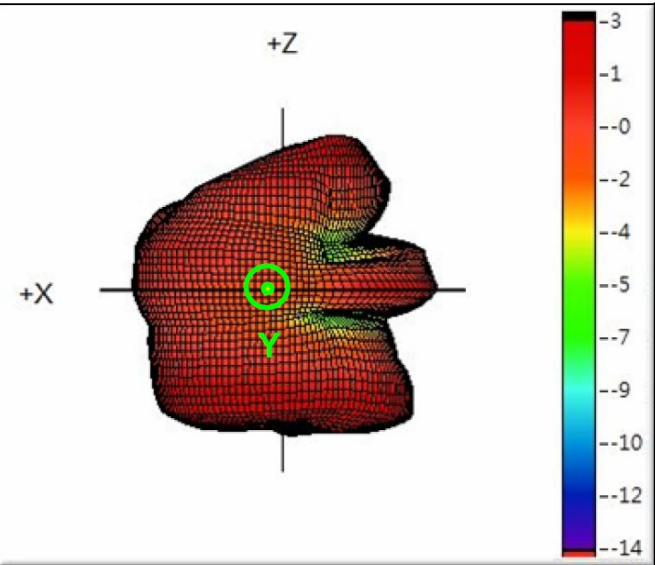
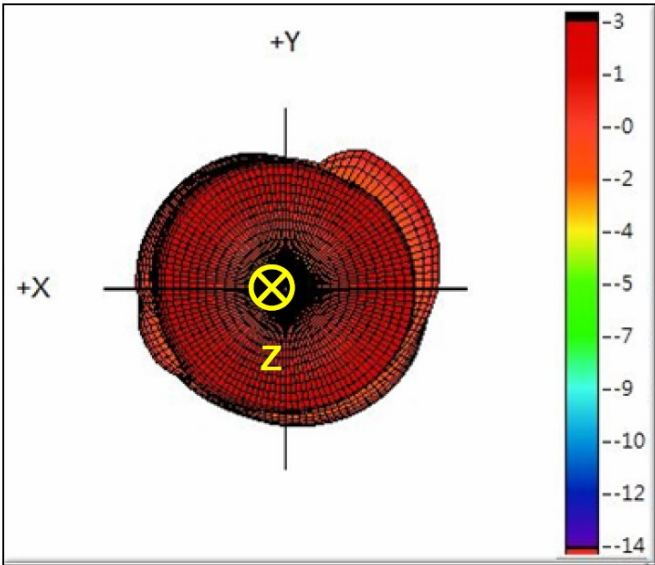
Smith Chart



RADIATION PATTERNS

3D Gain Patterns @ 915 MHz

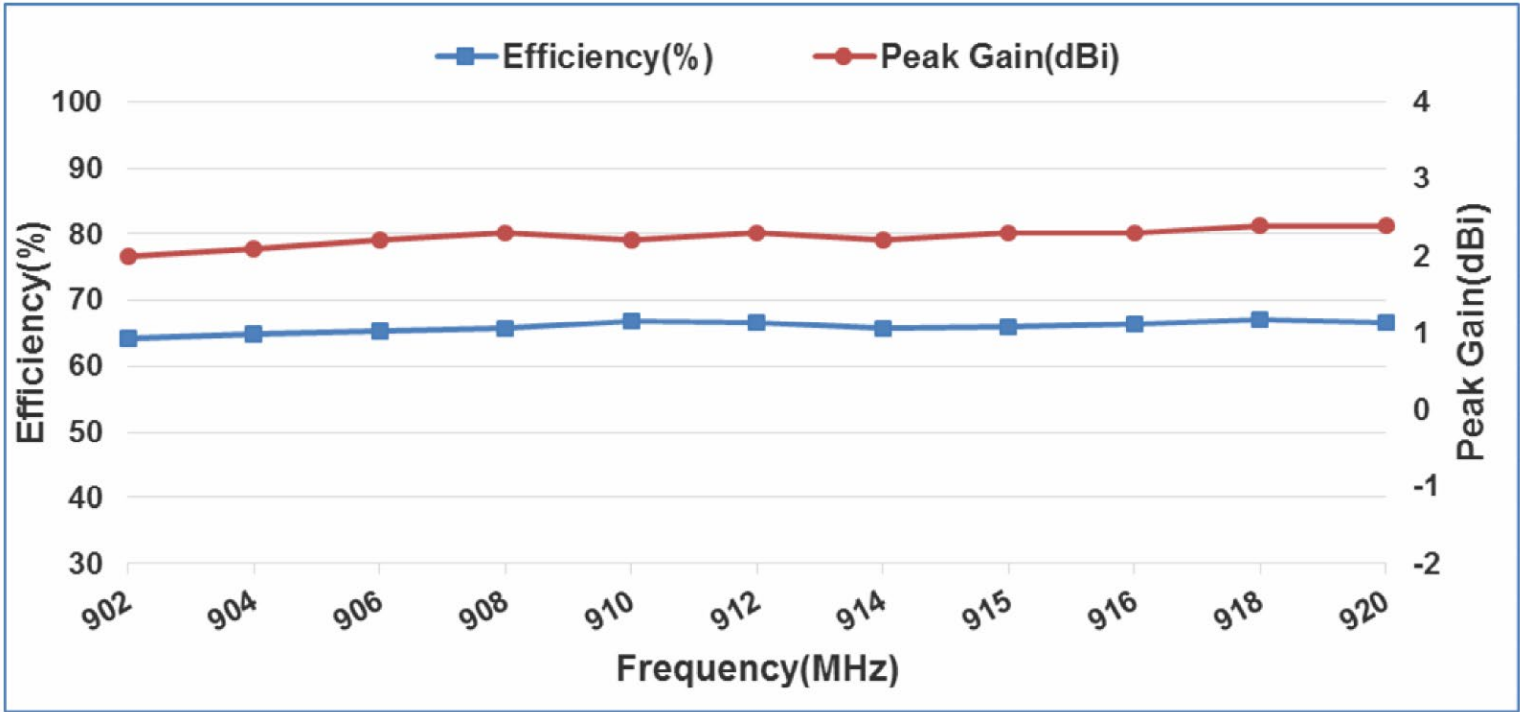




EFFICIENCY TABLE

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 29 th , 2021	Initial Release	Supported

Please reach out to NIC for any customization requests and other inquiries:

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