

NANE31X91MMC2C102A0F

698 & 1710 MHz Cellular External Antenna



Description

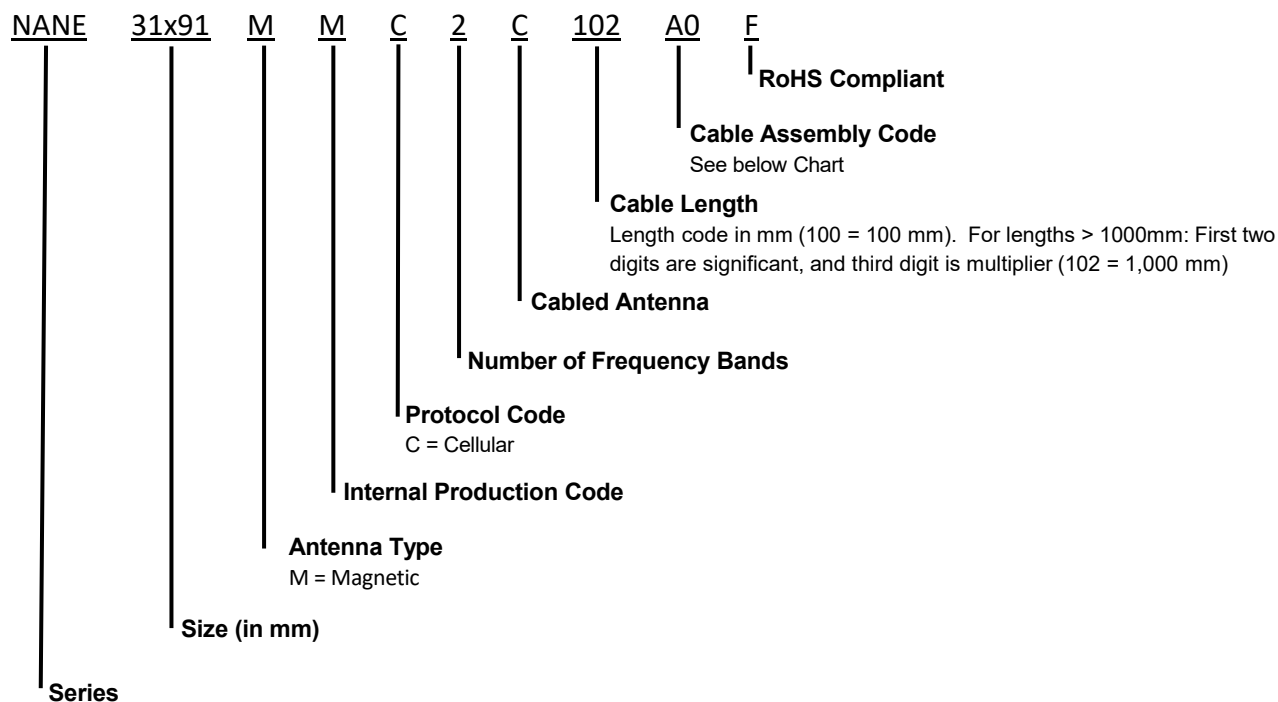
NANE31X91MMC2C102A0F is an External Magnetic mount antenna designed for dual-band LTE applications. It operates within the frequency ranges of 698 ~ 960 MHz and 1710 ~ 2690 MHz, making it perfect for use in Routers, Gateways, and Meters.

Features

- 698 & 1710 MHz LTE Protocols
- Magnetic Mount
- Customizable Cable and Connector Options
- RoHS Compliant



Part Number Breakdown



Part Number Options

Part Number	Protocol	Connector	Cable Type	Cable Length
NANE31X91MMC2C102A0F	Cellular	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

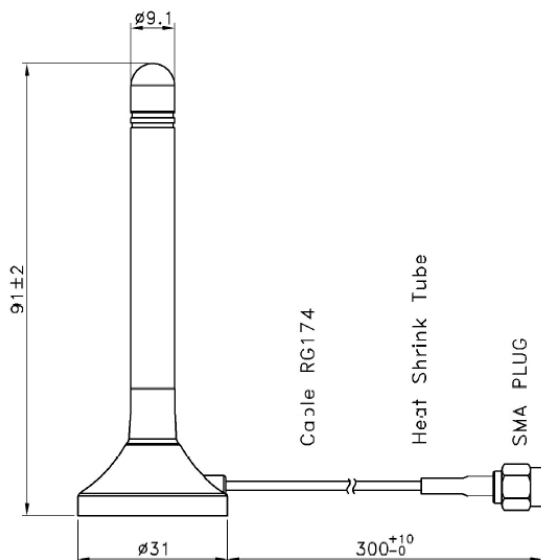
Electrical		
Frequency Range	698 - 960 MHz	1710 - 2700 MHz
Peak Gain	2.0 dBi	4.0 dBi
V.S.W.R	≤ 3.0	≤ 3.0
Beam Width (±3 dB)	70° ± 5° @ E- Plane 360° @ H- Plane	35° ± 5° @ E- Plane 360° @ H- Plane
Polarization	Vertical	
Radiation Patterns	Omni Directional	
Impedance	50Ω	
Environmental & Mechanical		
Operating Temperature	-20°C~+65°C	
Storage Temperature	-30°C~+70°C	
Radome Material	TPE	
Weight	24.5g (est.)	
Test Ground Size	500 x 500 mm	
Mounting Method	Magnet	
ROHS Compliant	Yes	

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Dimensions



VSWR

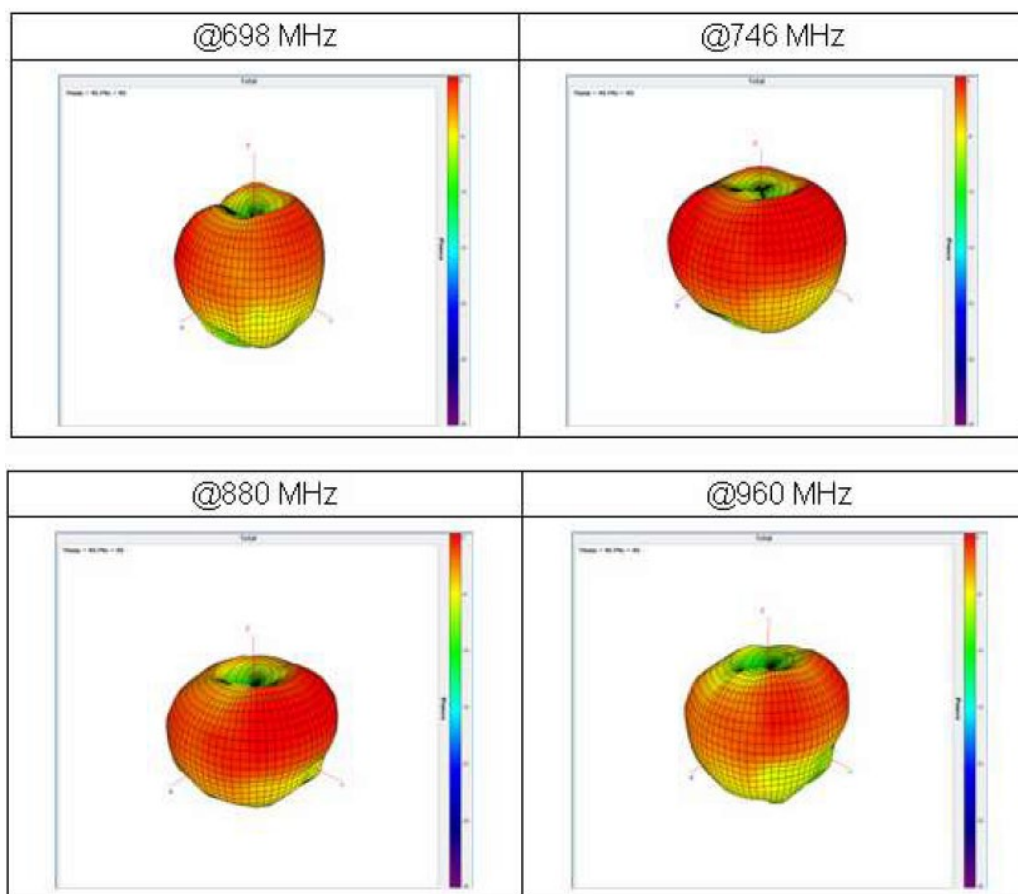


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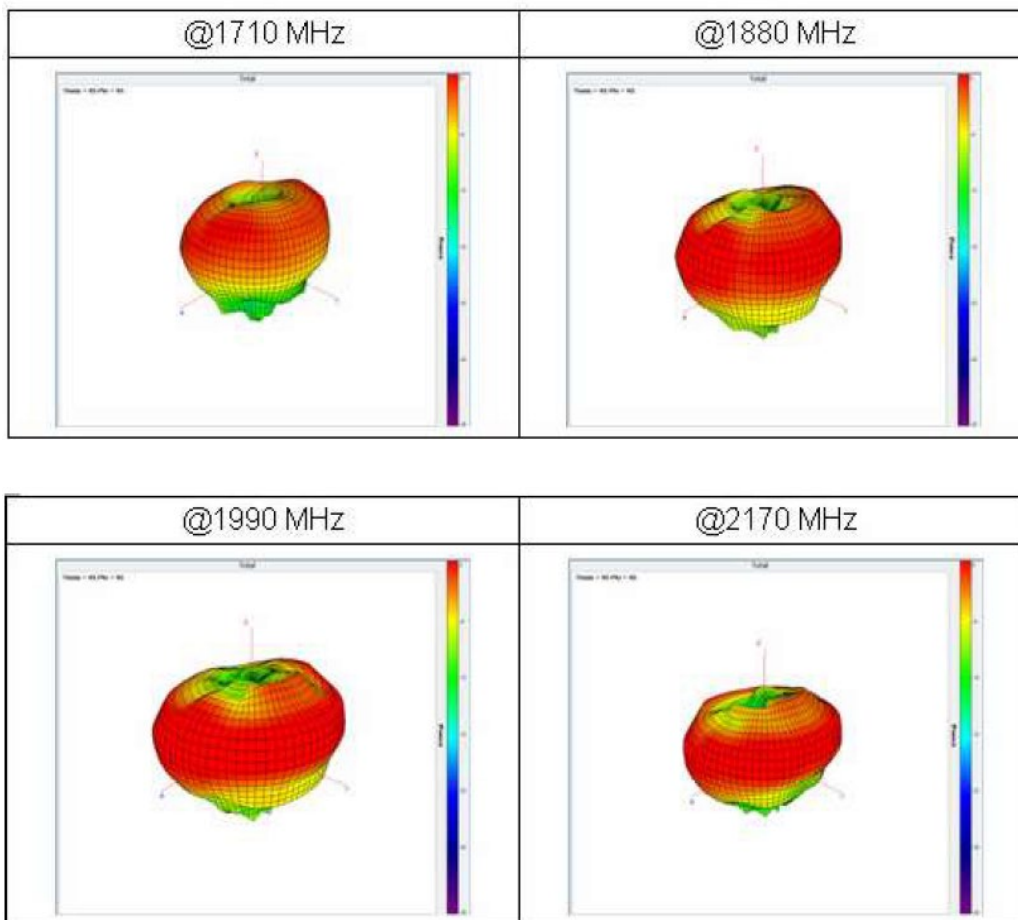


Radiation Patterns



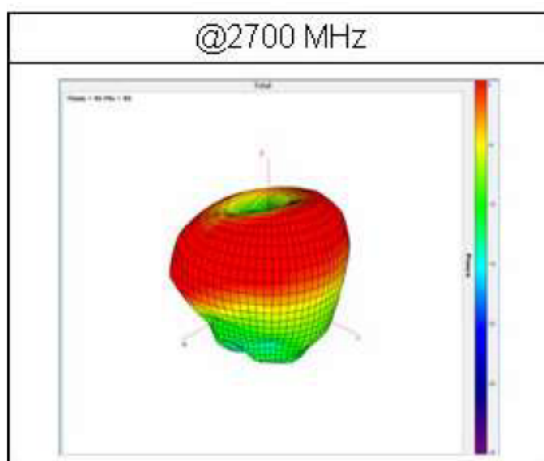
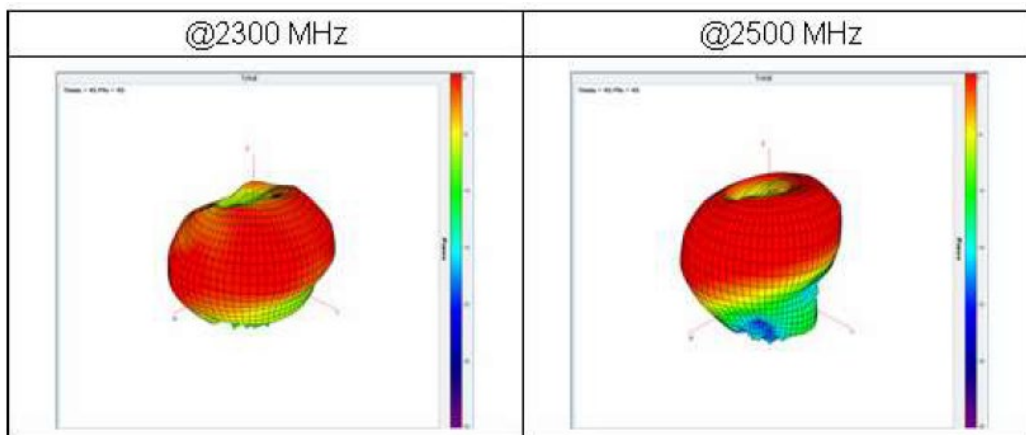
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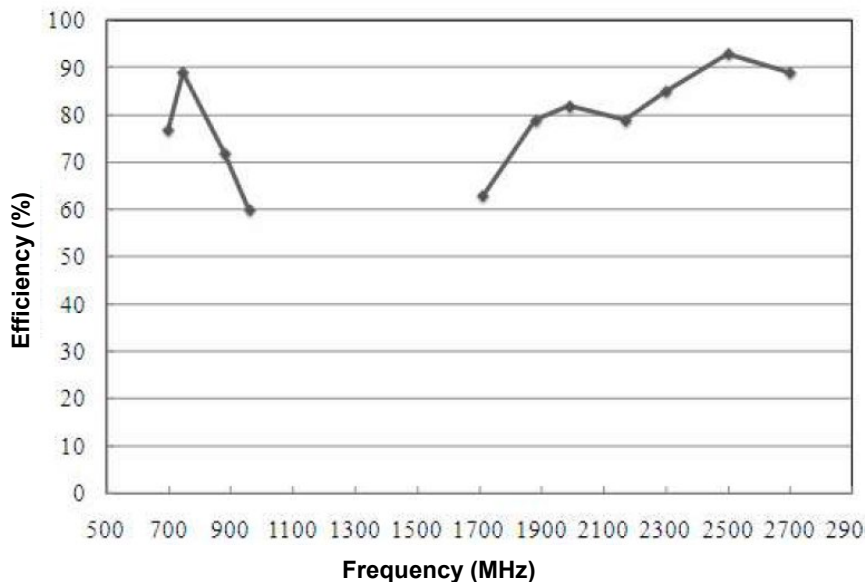
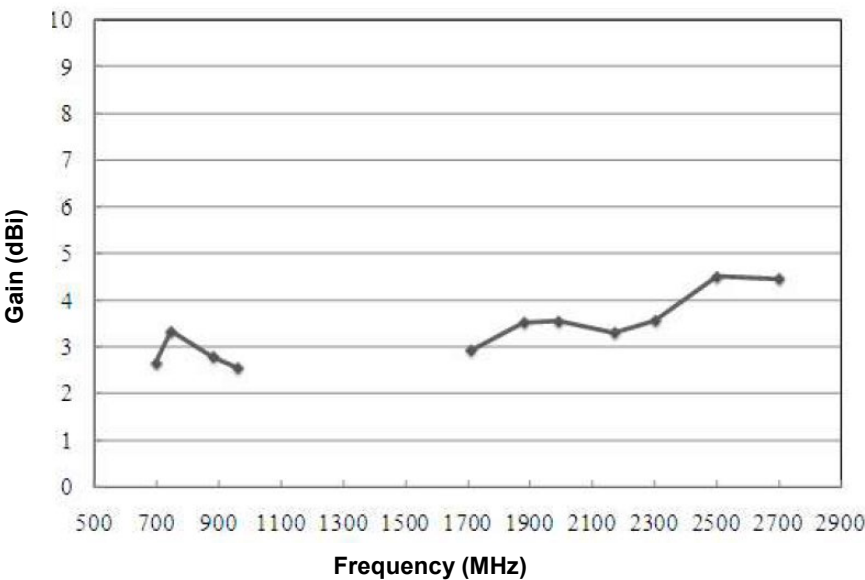
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Radiation Patterns



Frequency (MHz)	698	746	880	960	1710	1880	1990	2170	2300	2500	2700
Gain (dBi)	2.67	3.34	2.8	2.56	2.94	3.53	3.56	3.31	3.57	4.52	4.47
Efficiency (%)	77	89	72	60	63	79	82	79	85	93	89