

NANF50X20ACC0R698G4F

5G NR LTE FPC Antenna



Description

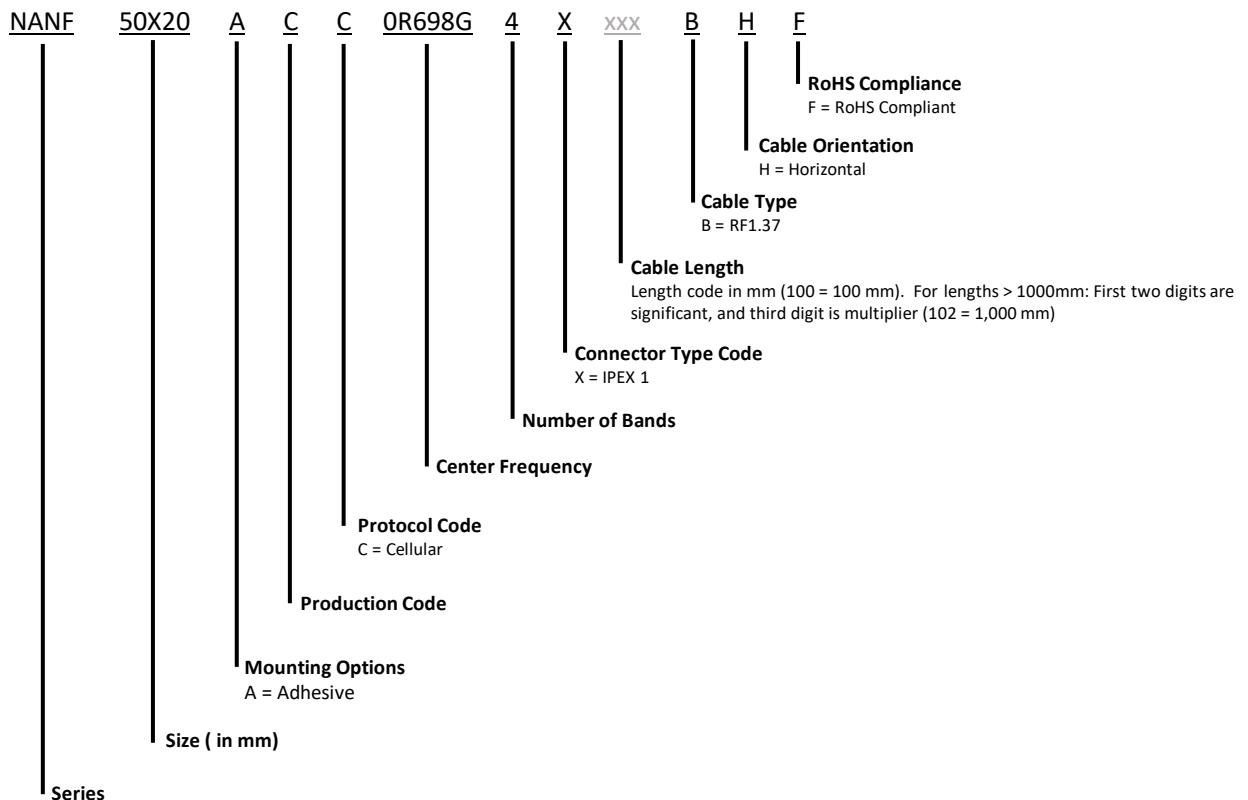
NANF50X20ACC0R698G4F is a Flexible PCB antenna designed for 5G/LTE applications. It operates within the frequency ranges of 700 ~960 MHz, 1710 ~2690 MHz, 4400 ~ 5000 MHz and 5150 ~ 5850 MHz, making it perfect for use in Routers, Gateways, Smart Meters and Communication

Features

- Support 5G NR LTE Bands
- Stable and Reliable Performance
- Customizable Cable and Connector
- RoHS & REACH Compliant



Part Number Breakdown:



Standard Part Number Listing

Part Number	Connector	Cable Length	Cable Type	Cable Orientation
NANF50X20ACC0R698G4X100BHF	IPEX I (X)	100 mm	RF1.37 (B)	Horizontal (H)
NANF50X20ACC0R698G4X300BHF	IPEX I (X)	300 mm	RF1.37 (B)	Horizontal (H)

The table represents assembled part numbers available on www.niccomp.com from standard connector and cable options. For options not listed above please contact NIC"

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Specifications

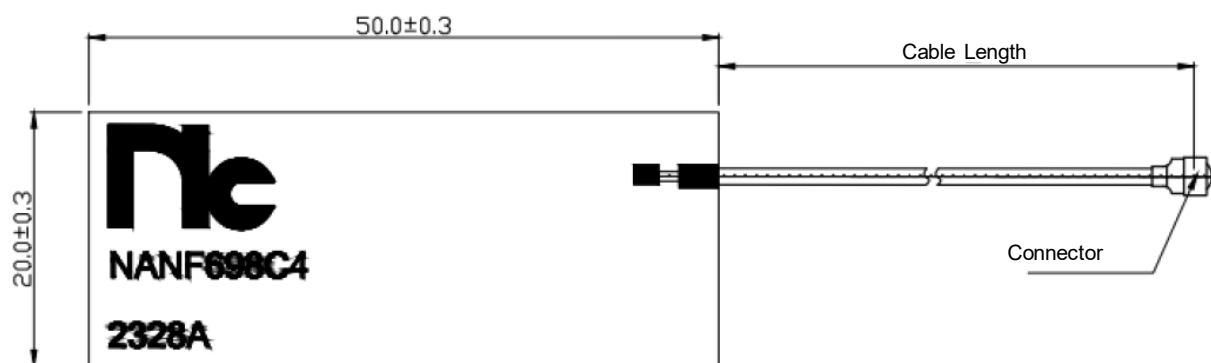
Electrical

Frequency Range	700 ~ 960 MHz	1710 ~ 2690 MHz	4400 ~ 5000 MHz	5150 ~5850 MHz
Gain (typ.)	2 dBi	4 dBi	4 dBi	4 dBi
V.S.W.R	≤ 4.5			
Polarization	Linear			
Impedance	50 Ω			

Environmental

Operating Temperature	-40°C~+85°C
RoHS Complaint	Yes

Dimension Drawing



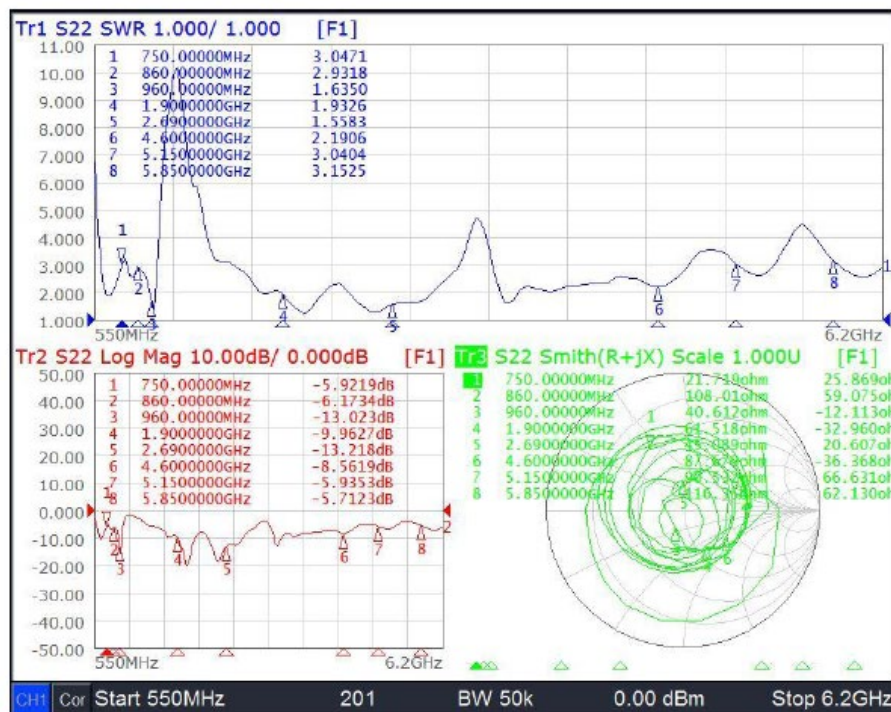
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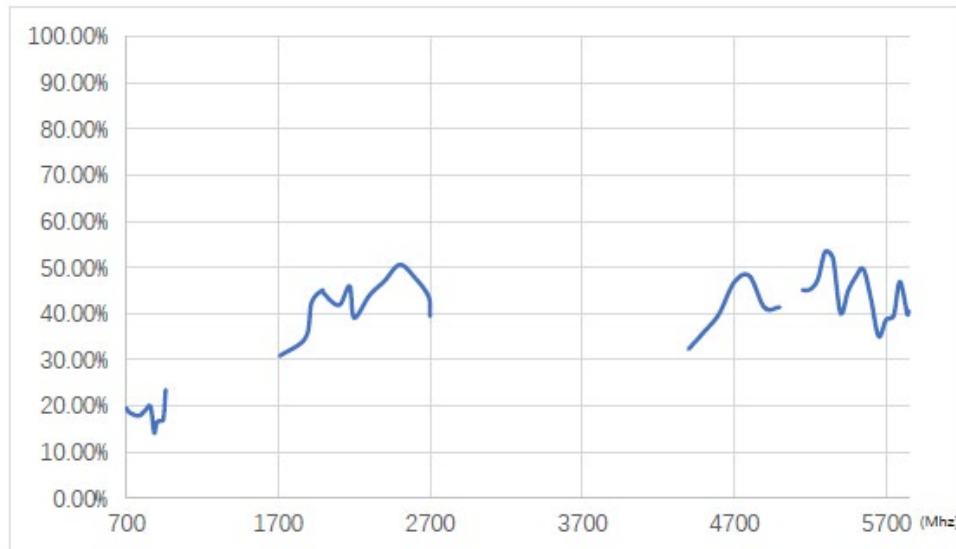


Antenna Parameters (NANF50X20ACC0R698G4X100BHF):

VSWR



Efficiency (%)



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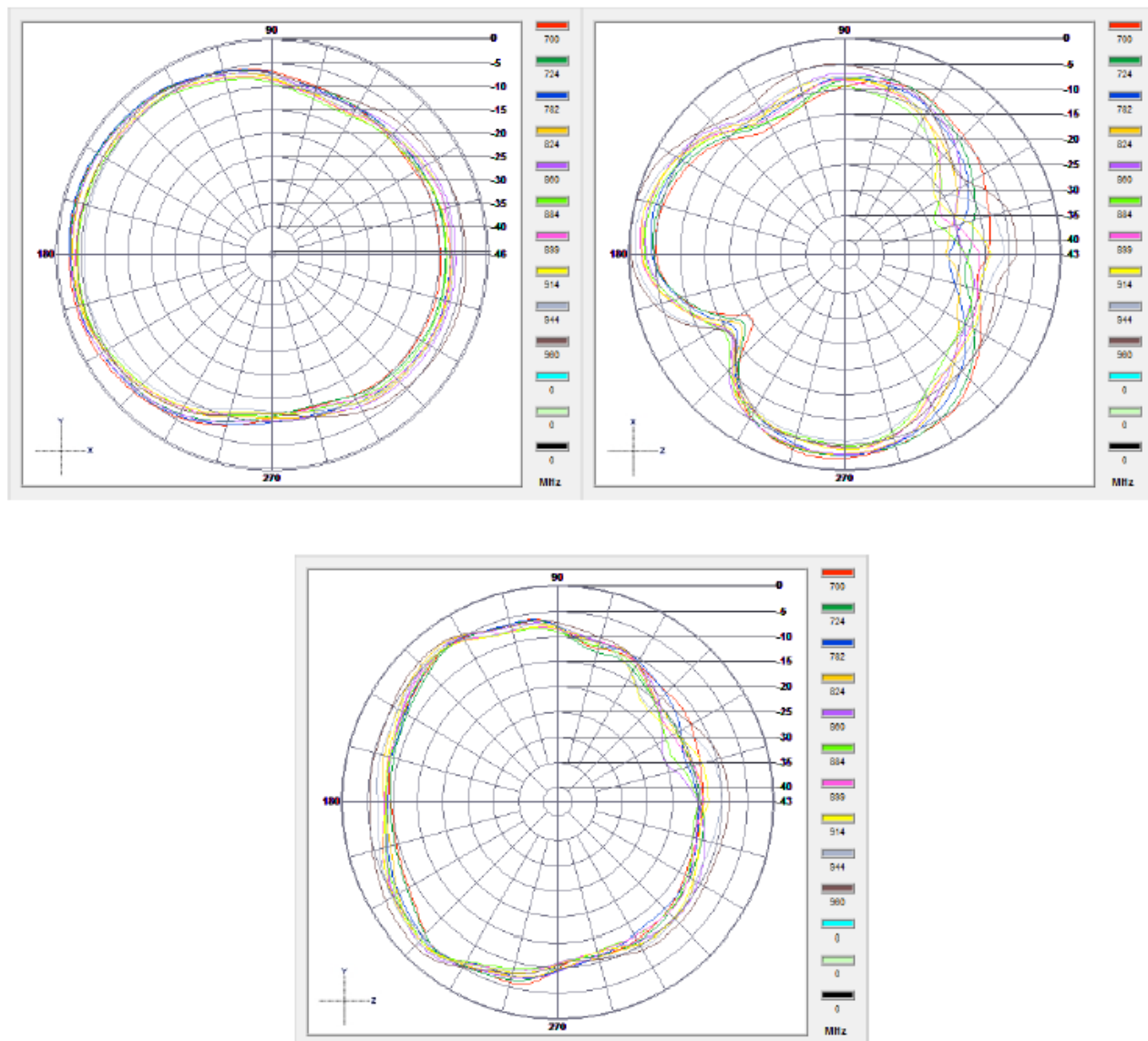
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2D Radiation Patterns

NANF50X20ACC0R698G4X100BHF

700 ~ 960 MHz



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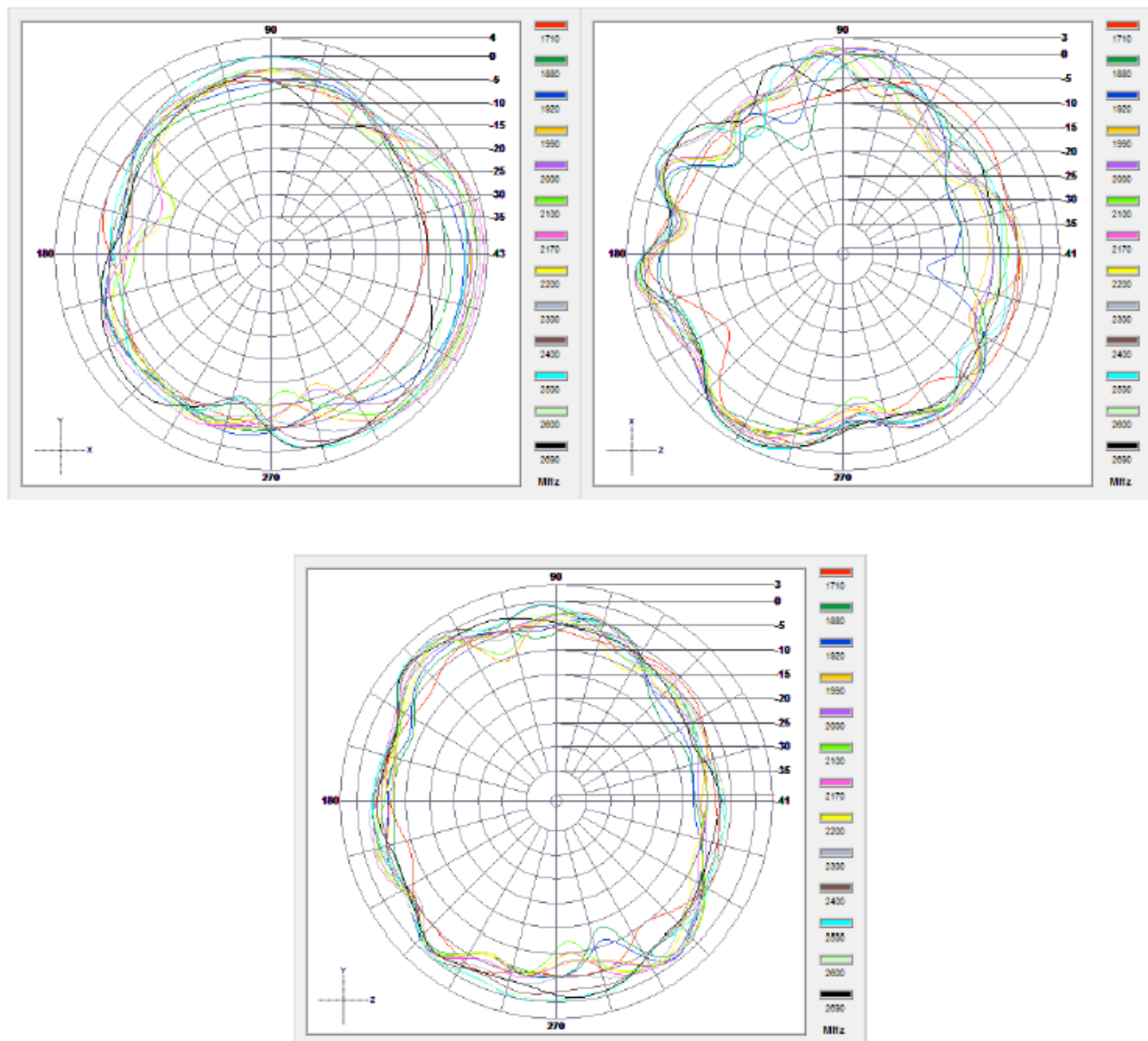
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2D Radiation Patterns

NANF50X20ACC0R698G4X100BHF

1710 ~ 2690 MHz



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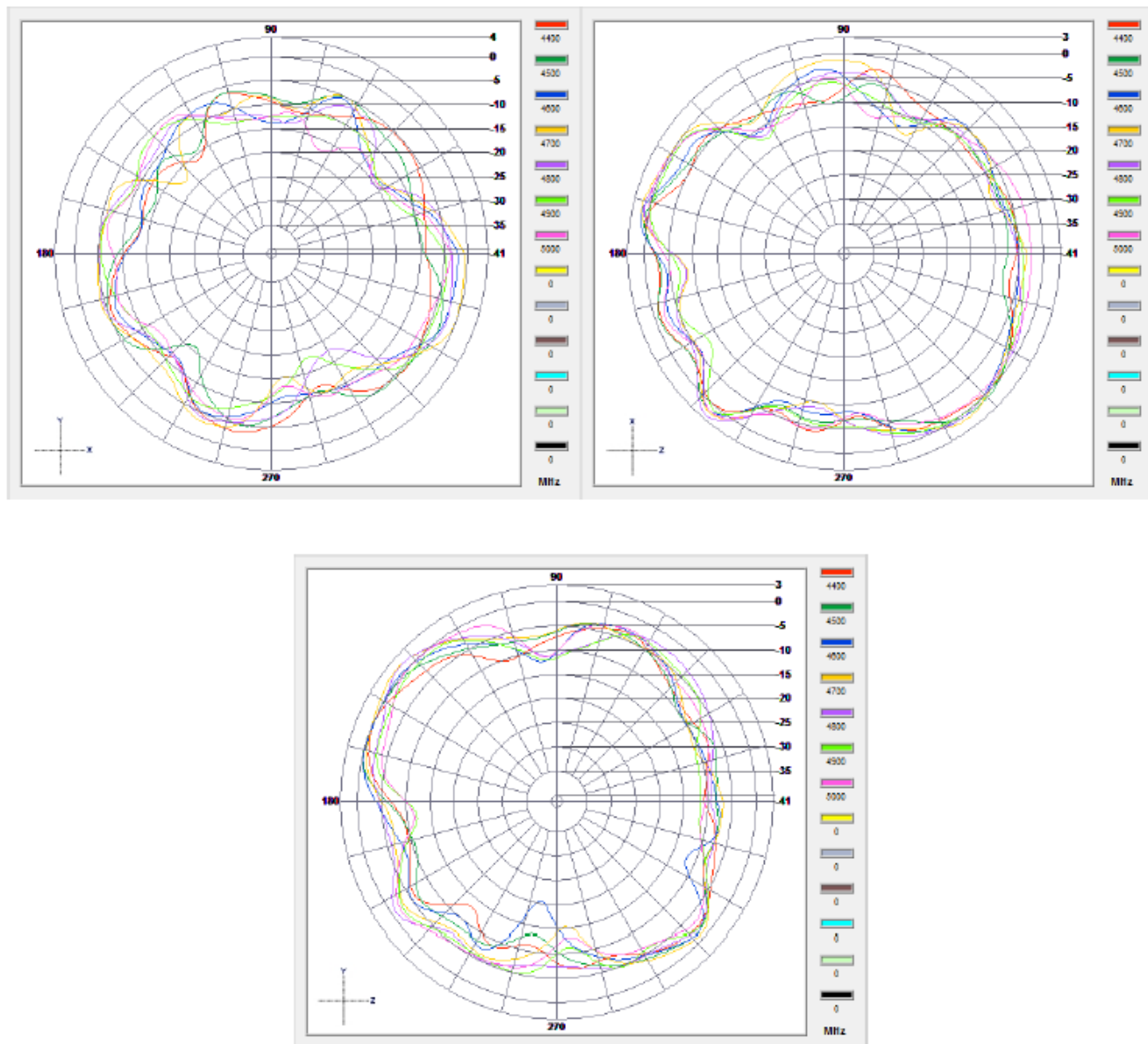
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2D Radiation Patterns

NANF50X20ACC0R698G4X100BHF

4400 ~ 5000 MHz



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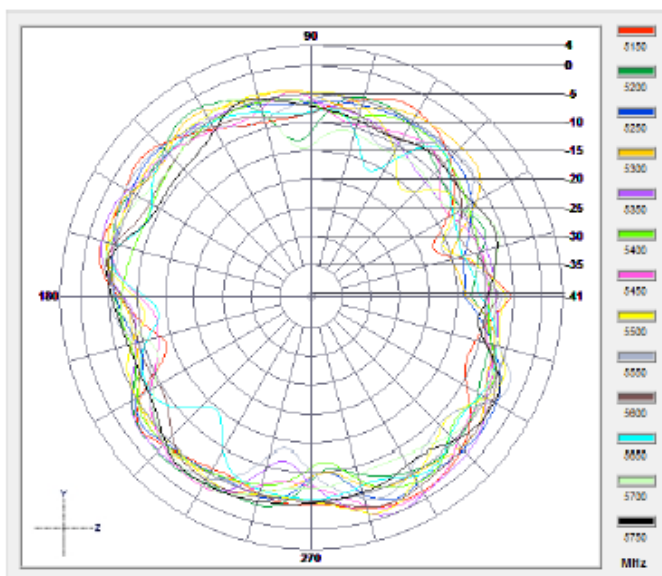
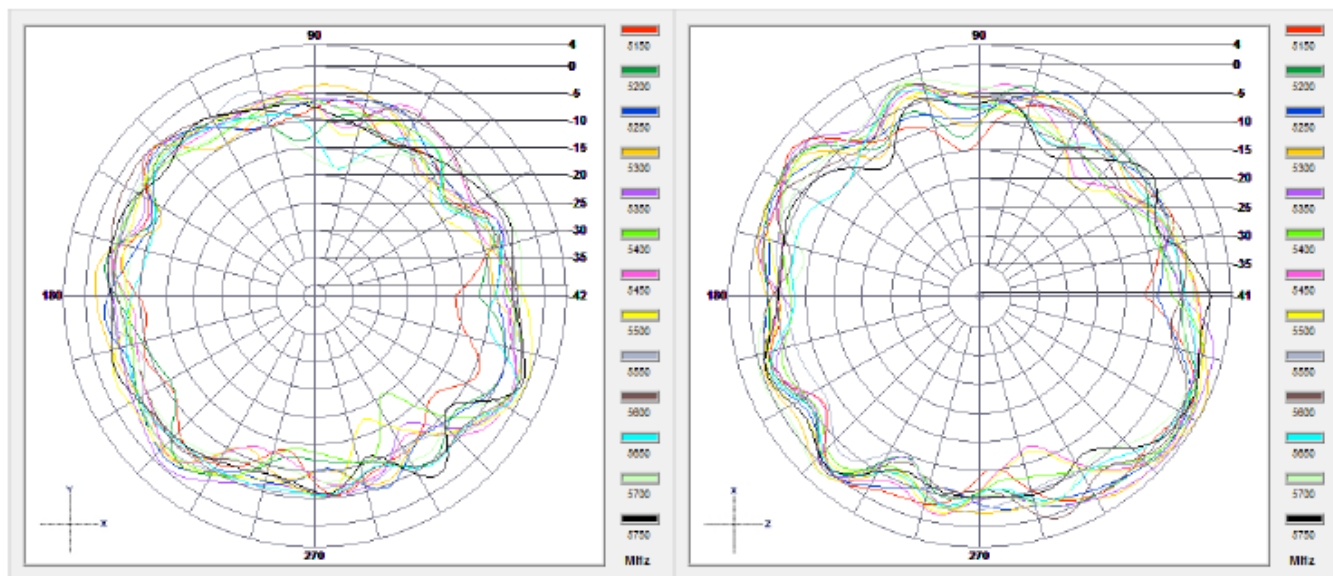
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2D Radiation Patterns

NANF50X20ACC0R698G4X100BHF

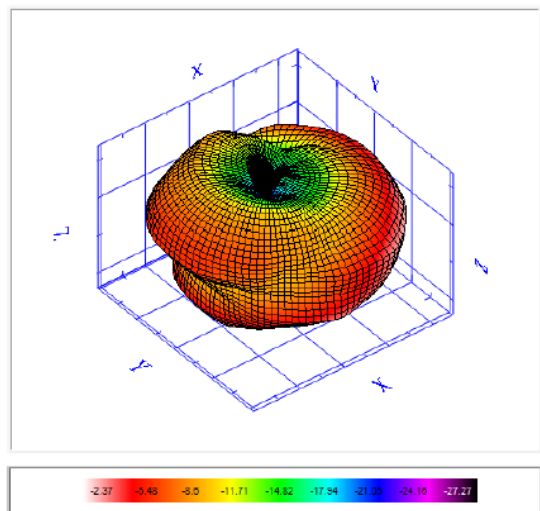
5150 ~ 5850 MHz



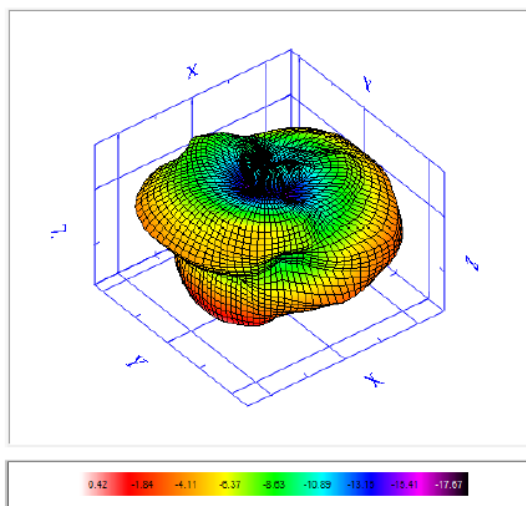
3D Radiation Patterns

NANF50X20ACC0R698G4X100BHF

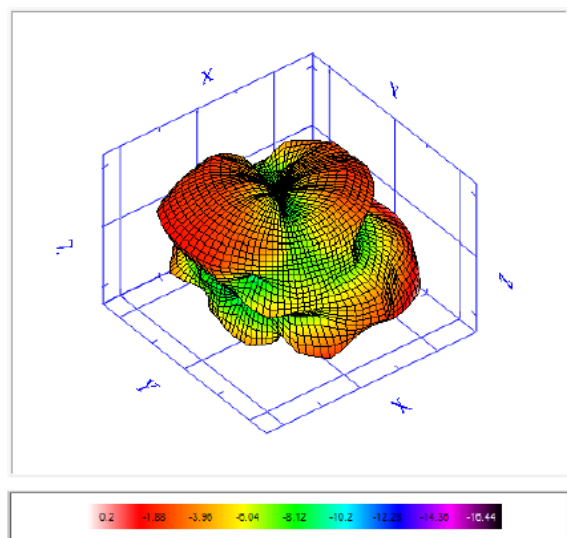
860 MHz



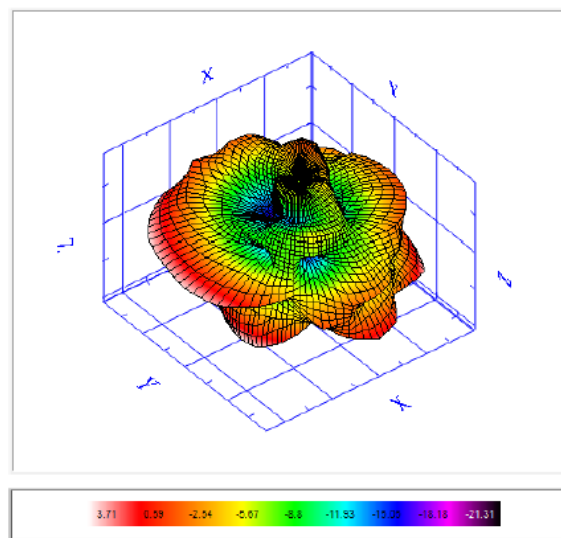
960 MHz



1710 MHz



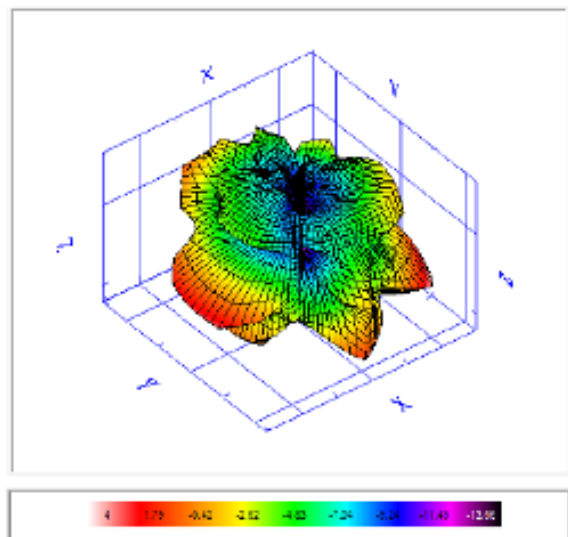
2300 MHz



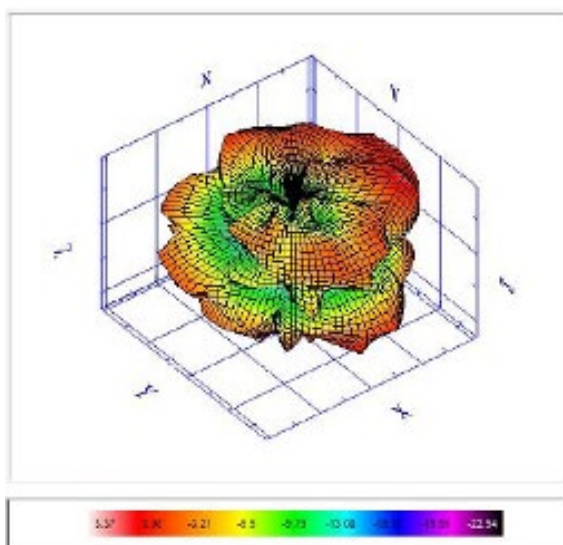
3D Radiation Patterns

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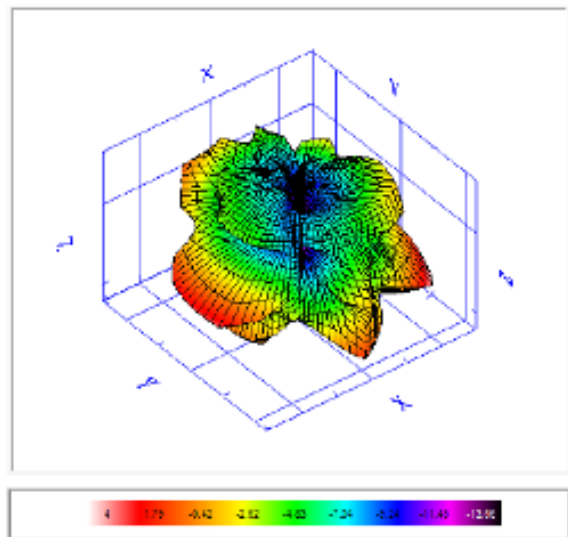
2690 MHz



4600 MHz



5150 MHz



5850 MHz

