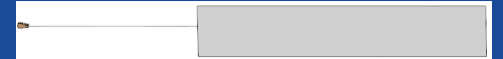


4G/LTE Flexible Printed Antenna



AFAC110020-S698

110.0 x 20.0 x 0.2 mm
RoHS/RoHS II Compliant
MSL - 1

FEATURES

- Operates in 698-2700 MHz
- Linear polarization
- Low VSWR
- Low profile
- Omni-directional pattern
- IPEX connector with cable

APPLICATIONS

- Cellular
- Transportation
- Industrial wearable
- Smart city
- Smart agriculture
- Home automation

Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		698~960/1710~2690		MHz	
VSWR			2.0		
Polarization Model		Linear			
Impedance		50		Ω	
Gain		3.0		dBi	

Mechanical Characteristics

Parameters	Description
Connector	IPEX
Cable Type	100mm/RF1.13
Mounting	Embedded
FPC Dimensions	110 x 20 x 0.2 mm

Environmental Characteristics

Parameters	Note
Operating Temperature	-40°C to +85°C
Vibration	10 to 55Hz with 1.5mm amplitude 2 hours
ROHS Compliant	Yes
MSL Level	1



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REVISED: 01.25.2019

ABRACON IS
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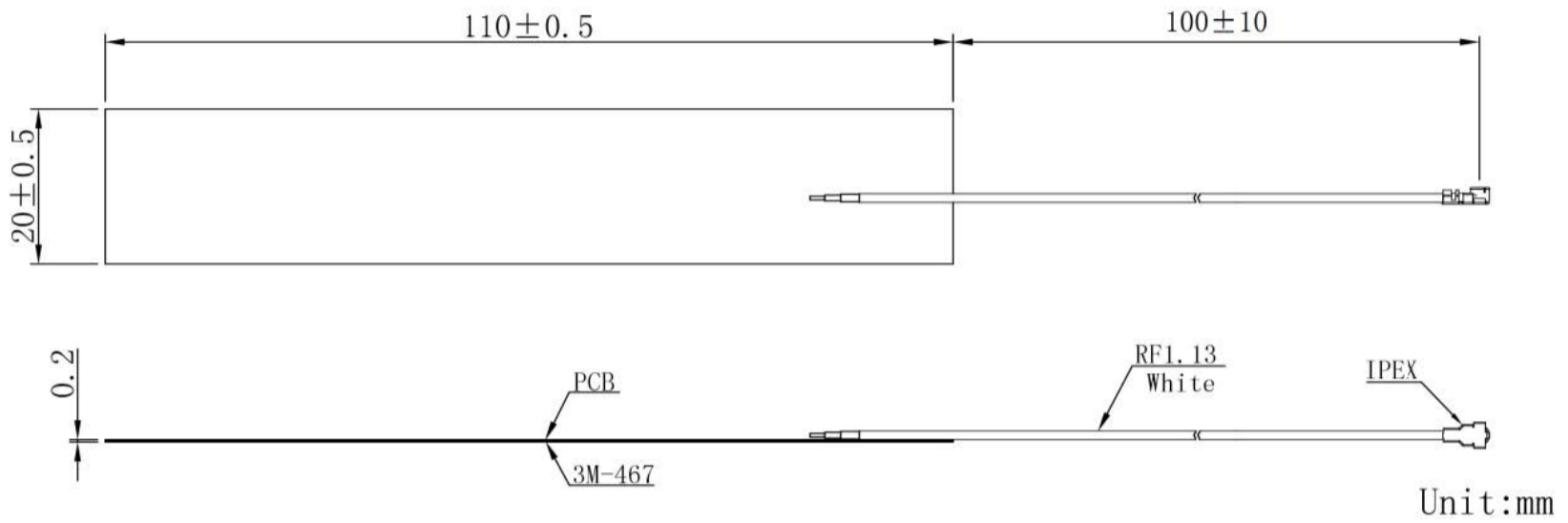
4G/LTE Flexible Printed Antenna



AFAC110020-S698

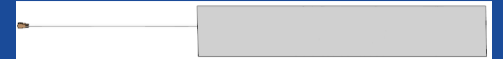
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Dimensions



Product Image

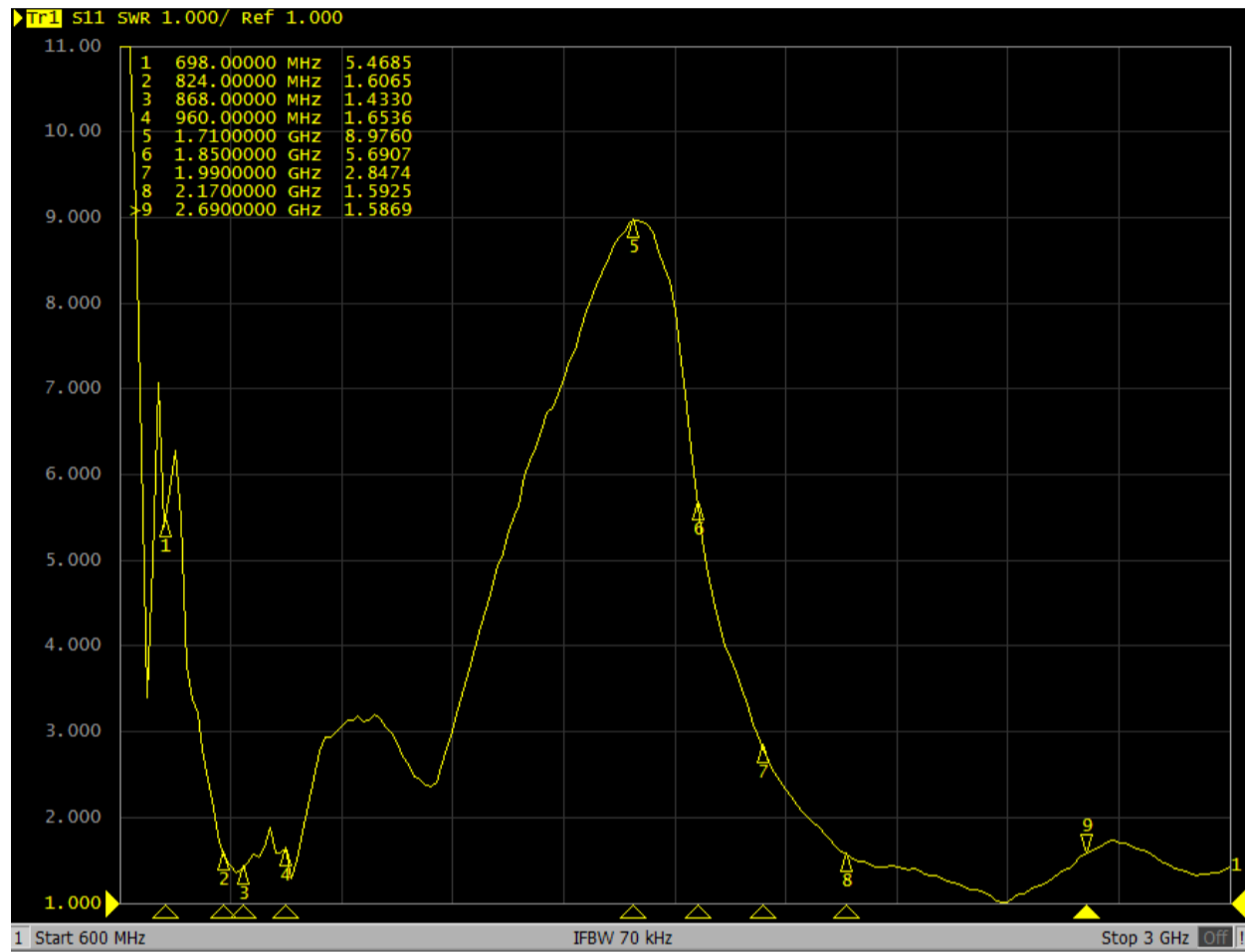




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VSWR

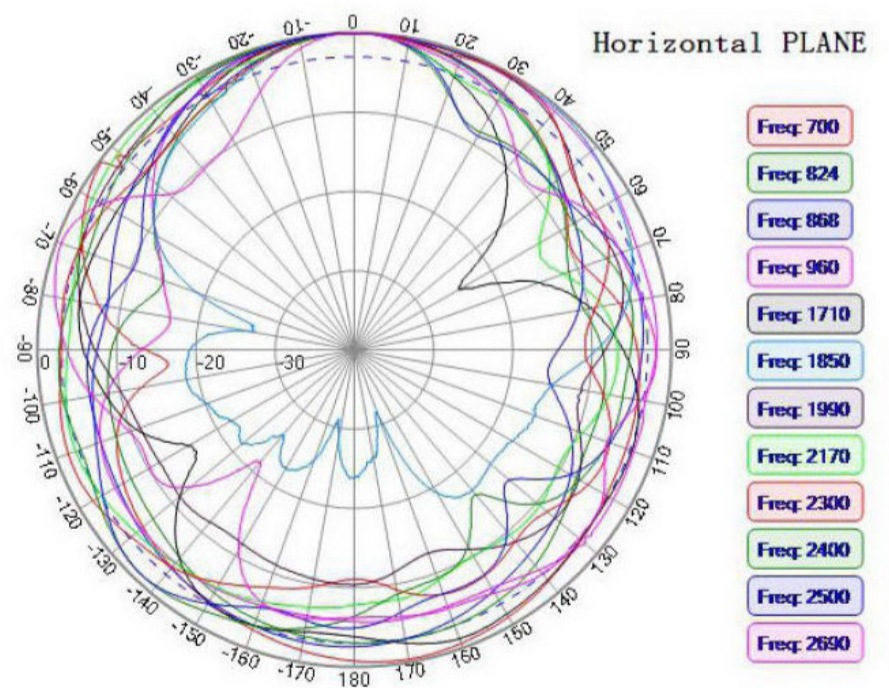
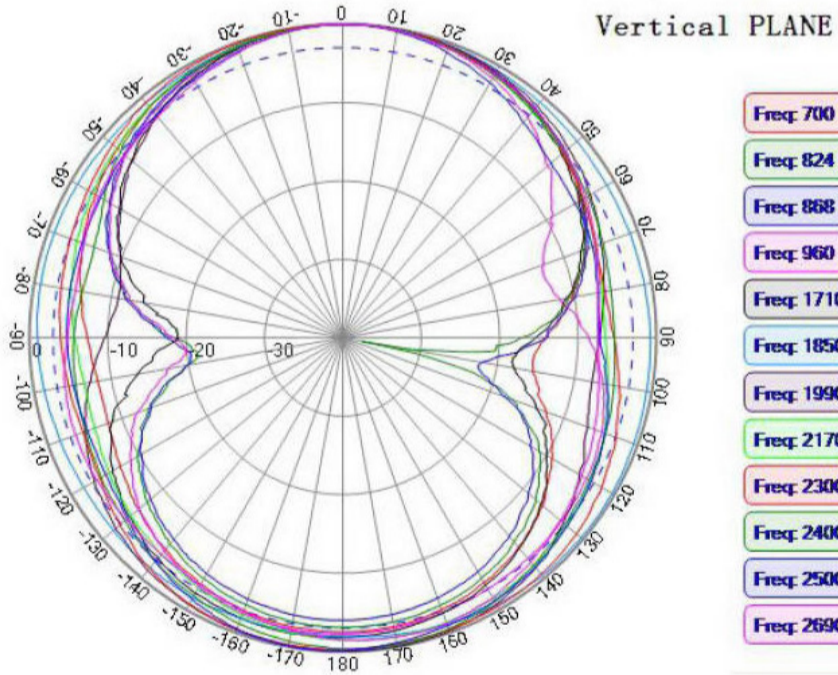
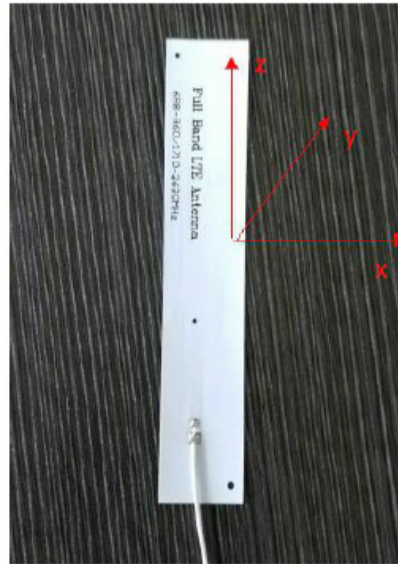


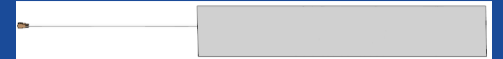


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110.0 x 20.0 x 0.2 mm
RoHS/RoHS II Compliant
MSL - 1

Radiation Patterns





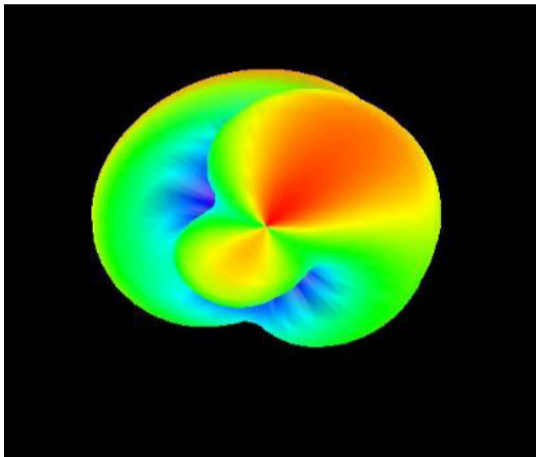
AFAC110020-S698

110.0 x 20.0 x 0.2 mm
RoHS/RoHS II Compliant
MSL - 1

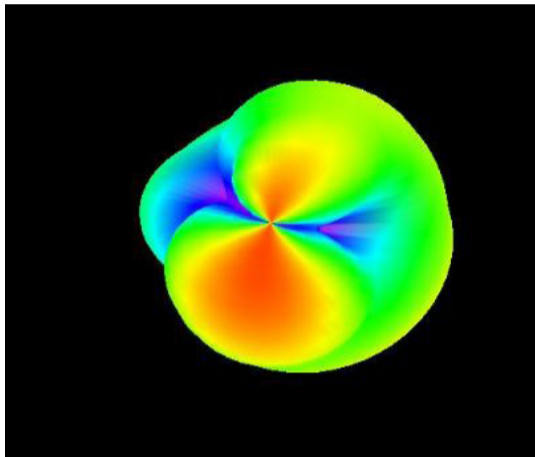
Radiation Patterns

3D-Pattern

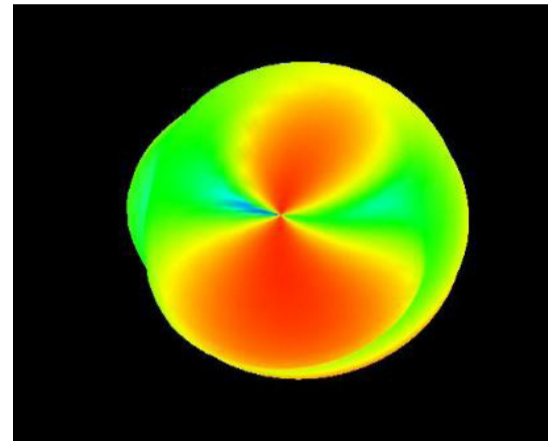
698 MHZ



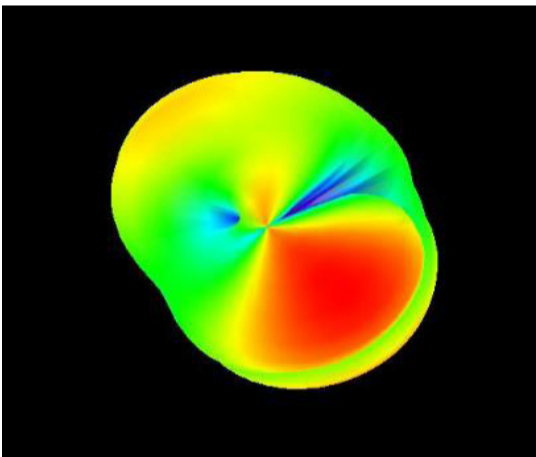
824 MHZ



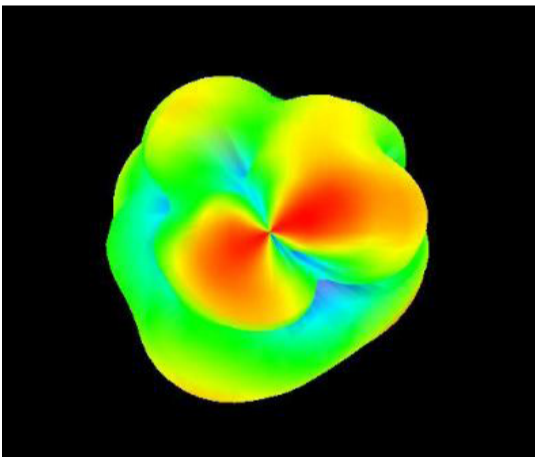
868 MHZ



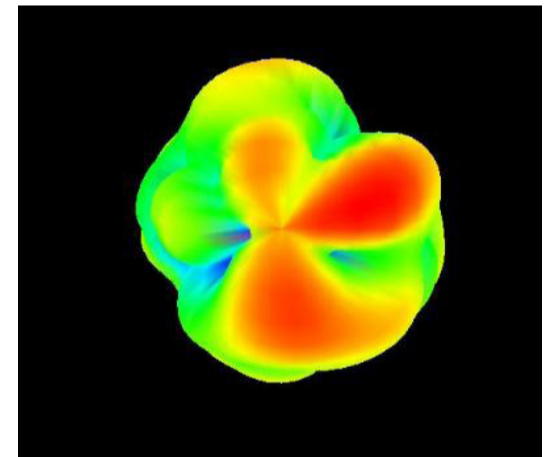
960 MHZ



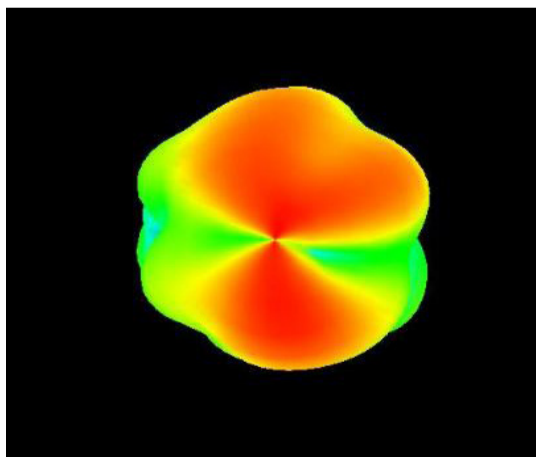
1710 MHZ



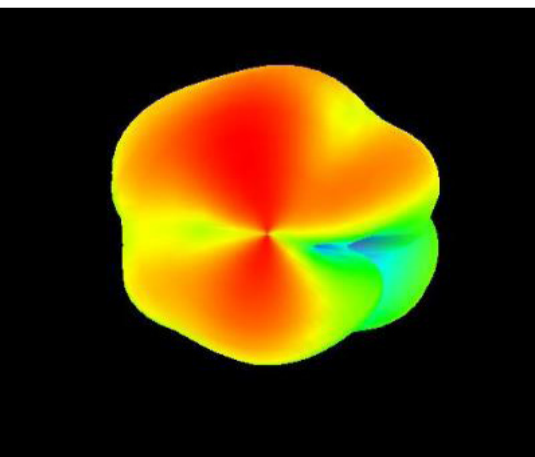
1850 MHZ



1990 MHZ



2170 MHZ



2690 MHZ

