

# 4G Round PIFA Antenna

## FEATURES



- Low Profile
- High Performance
- Anti-metal PIFA Antenna
- Ground Plane Independent
- Customizable Cable and Connector
- Adhesive, magnet, screw fixation installation mode, to meet a variety of different surfaces



This ground plane independent PIFA antenna can be installed on any surface via the single screw, magnetic or adhesive mount, including metallic cabinet. The housing is manufactured with IP67/IP69 rated PC stable material resisting dust, sand, and water in addition offers durability for long term usage in outdoor or indoor applications. The antenna offers ground-plane independent Omni-directional performance across global cellular and LTE bands making it a versatile solution for any number of applications. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link even in problematic coverage areas.

## PRODUCTS

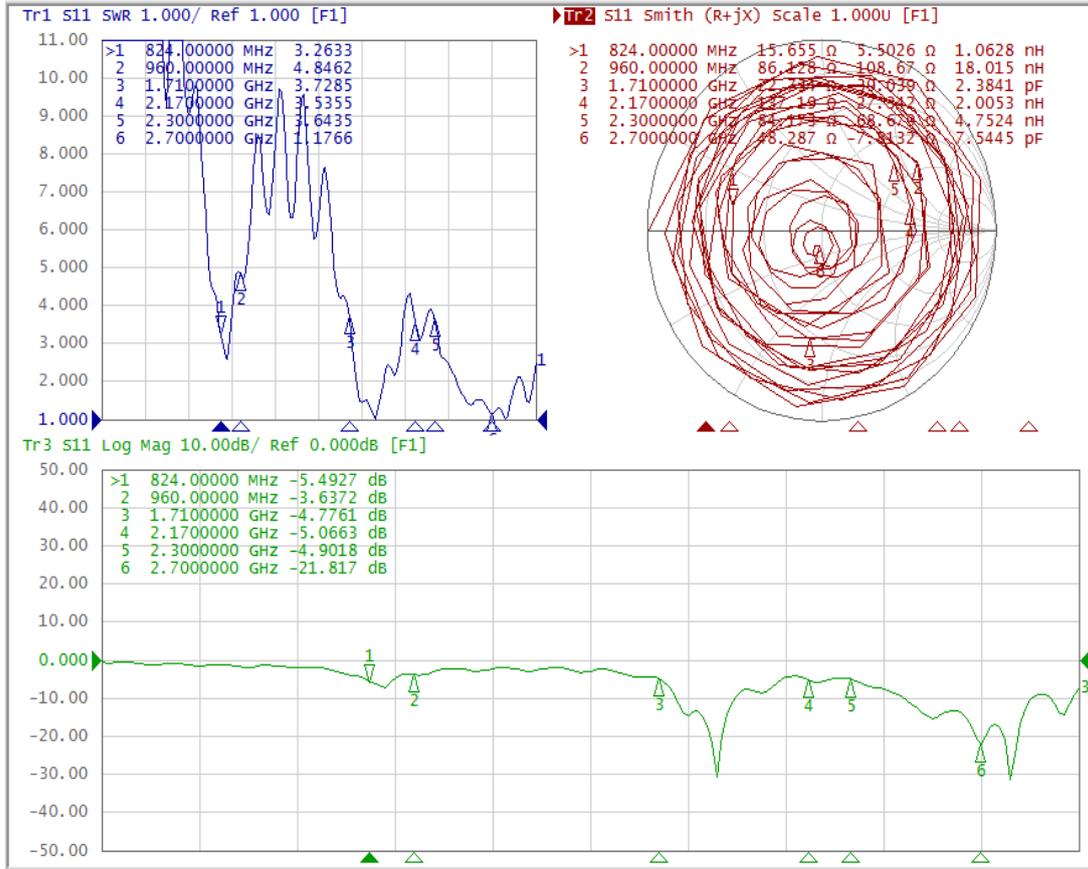
Part No.	Weight	Dimensions (L x W x H)	cable	installation	Connector	Color
AECM016		Φ 48*22.0mm	2500mm RG174	Screw type	SMA-Male	Black

## SPECIFICATIONS

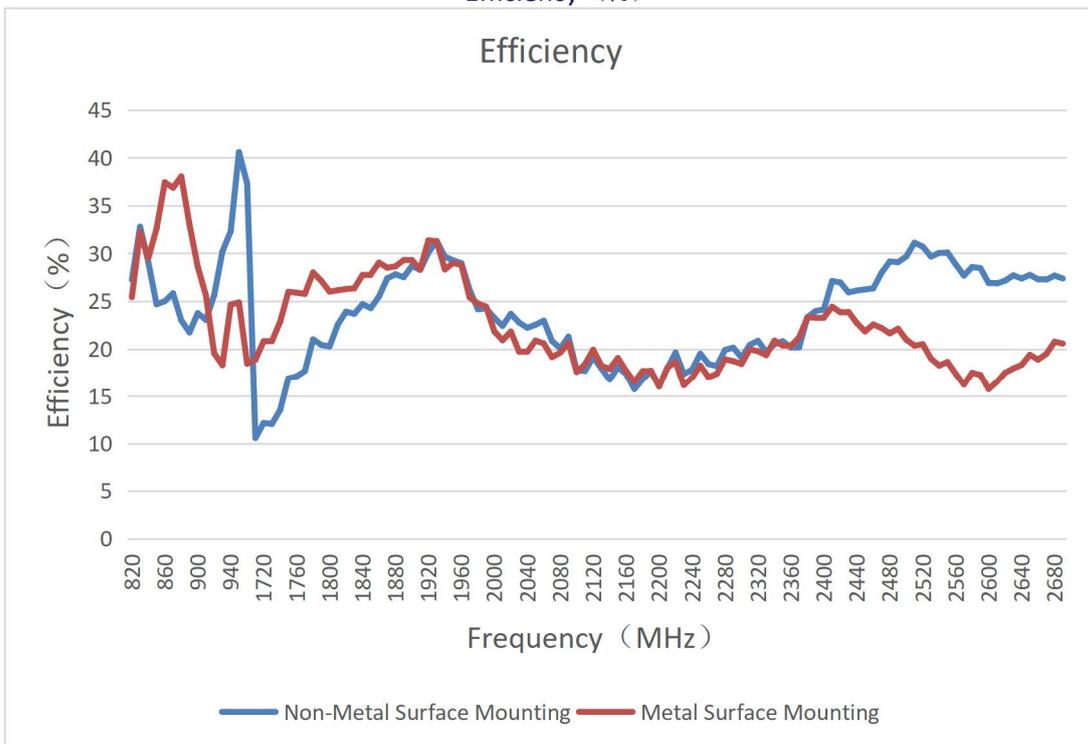
PARAMETER	SPECIFICATION	
Frequency Bands, MHz	824-960	1710-2690
VSWR (Max)	3.0:1	3.0:1
Peak Gain, dBi (Typ)	Up to 2.02	
Peak Efficiency	40.58%	
Nominal Impedance	50 Ω	
Max Power (ambient temp of 25°C)	10 Watts	
Azimuth Beam Width (deg)	Omnidirectional	
Polarization	Linear	
Radome	PC+UV, Black	
Storage Temperature Range (°C)	-40° C to +85° C	
Operational Temperature Range (°C)	-40° C to +85° C	
Material Substance Compliance	RoHs Compliant	

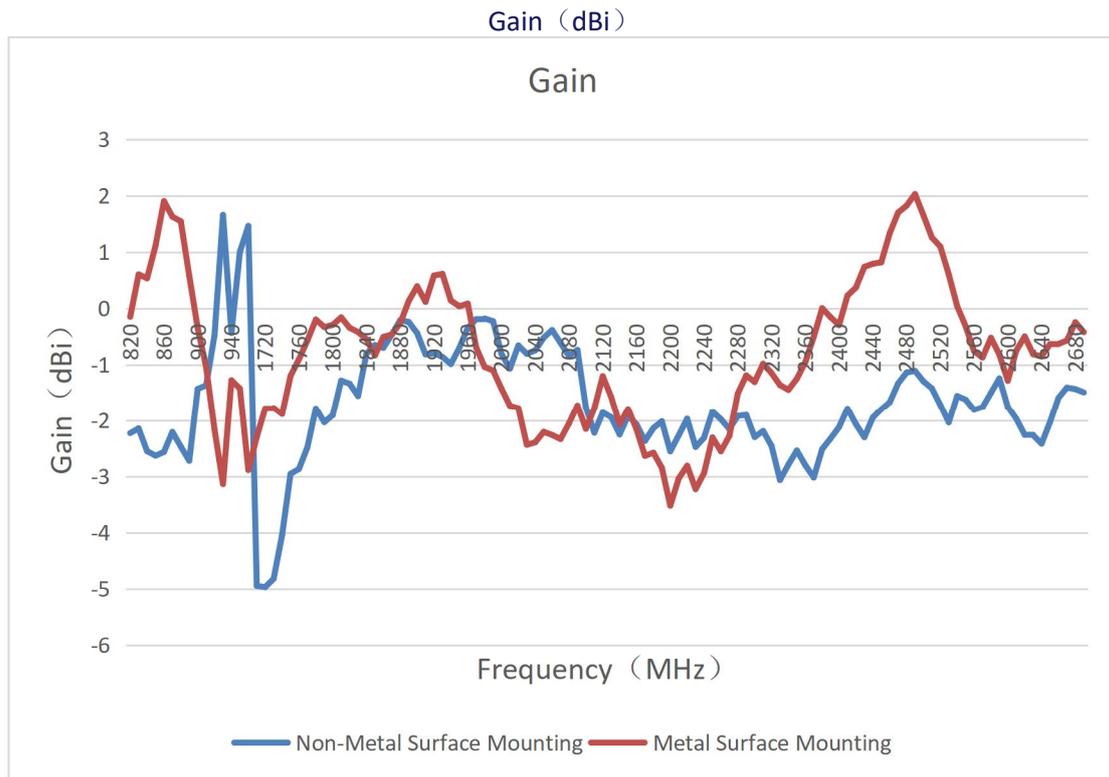
ELECTRICAL PERFORMANCE

Return Loss

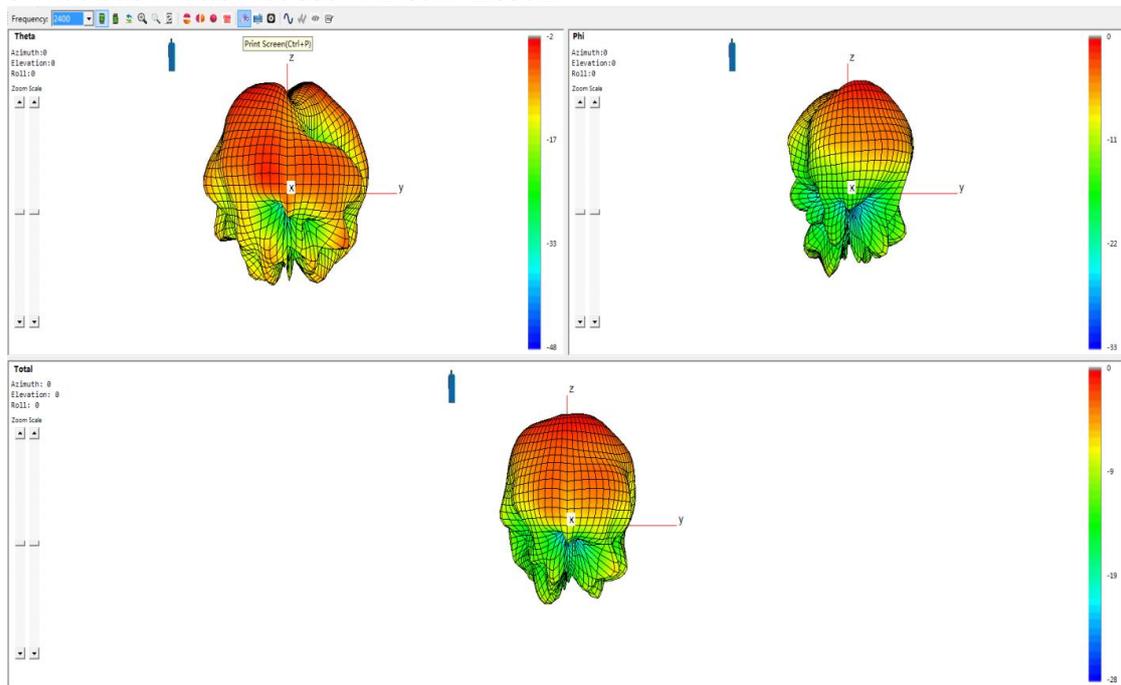


Efficiency (%)

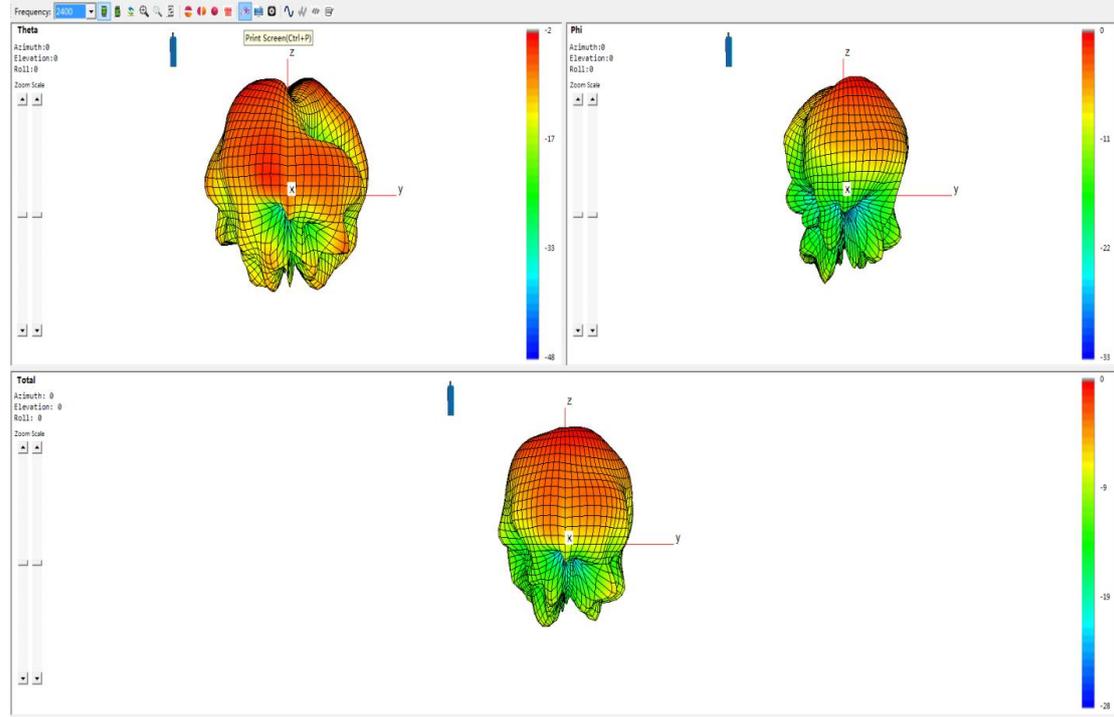




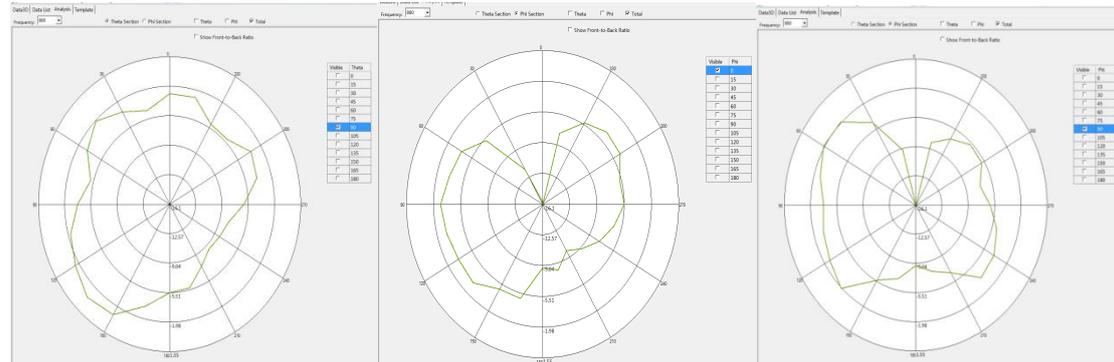
3D Radiation Pattern at 880MHz Gain=1.55dBi



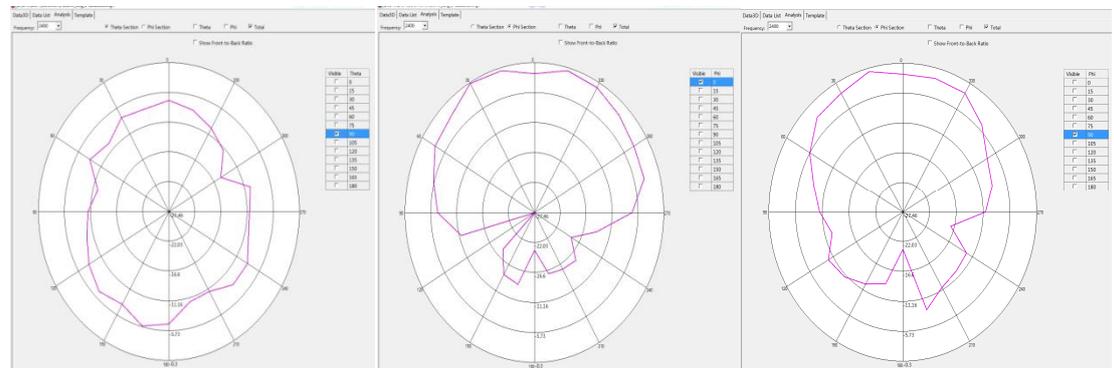
**3D Radiation Pattern at 2400MHz Gain=-0.3dBi**



**2D Radiation Pattern at 880MHz Gain=1.55dBi**



**2D Radiation Pattern at 2400MHz Gain=-0.3dBi**



## HOUSING CONFIGURATIONS

