

# 4G/ LTE Magnetic Mount Antenna



AEACAD097015-S698

97 x Ø 15 mm

RoHS/RoHS II Compliant

MSL - 1

## FEATURES

- Operates in 700-2700 MHz
- Linear polarization
- High gain of 5 dBi
- Omni-directional pattern
- VSWR 2.5

## APPLICATIONS

- 4G/LTE radios
- Gateways
- Set-Top boxes
- Security
- IoT
- M2M
- Transportation
- Smart agriculture

## Electrical Characteristics

Parameters	Min.	Typ.	Max	Units	Note
Frequency Range		700 ~ 2700		MHz	
VSWR			2.5		
Polarization Model	Linear				
Impedance		50		Ω	
Gain		5.0		dBi	Zenith

## Mechanical Characteristics

Parameters	Note
Connector	SMA
Cable Type	RG58
Cable Length	3M
Mounting	Magnetic
Dimensions	97 x Φ 62 mm

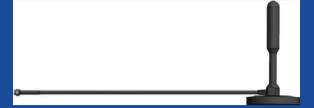


5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 08.15.2018

ABRACON IS  
ISO9001-2015  
CERTIFIED

# 4G/ LTE Magnetic Mount Antenna



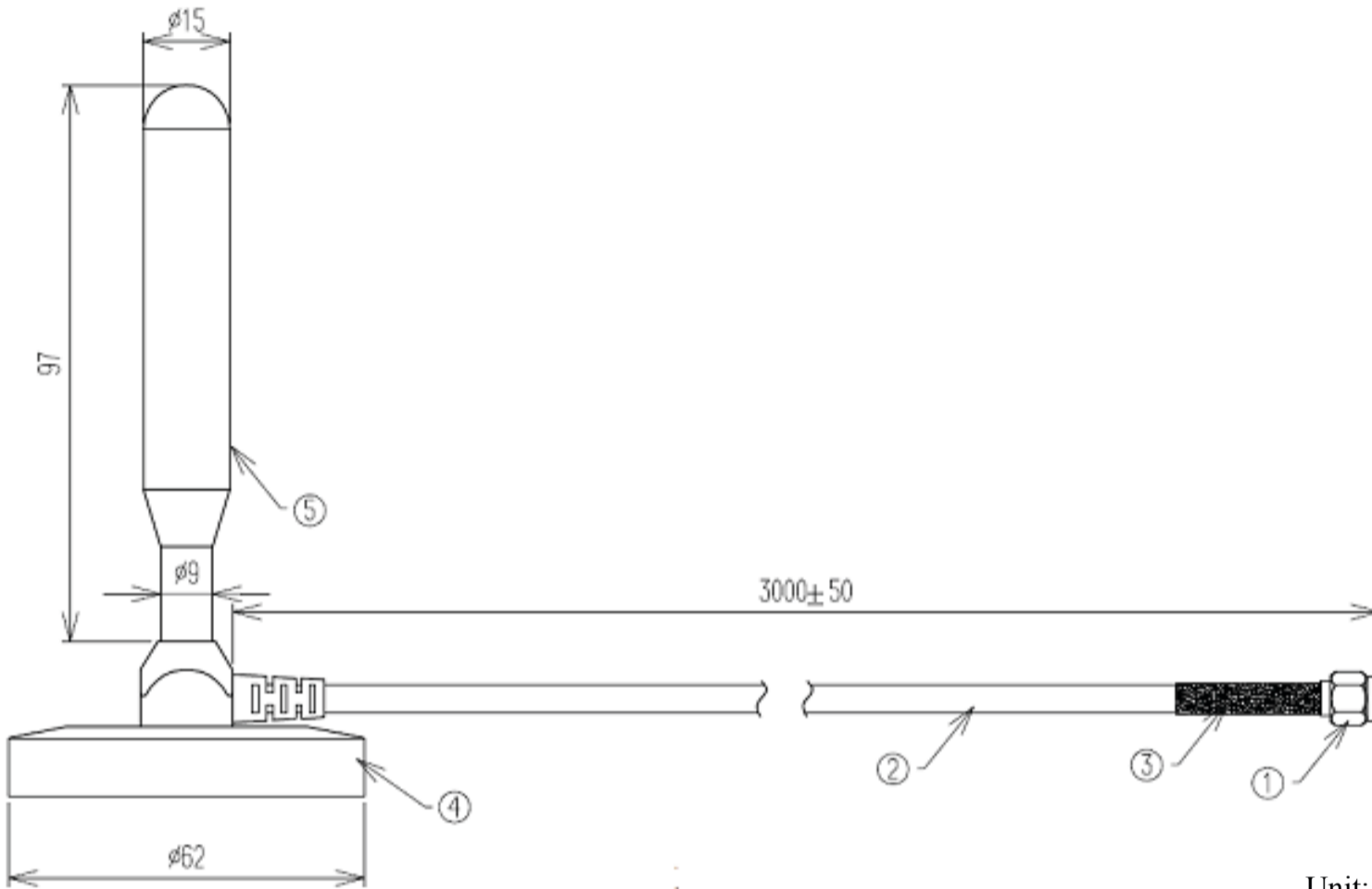
AEACAD097015-S698

97 x Ø 15 mm

RoHS/RoHS II Compliant

MSL - 1

## Dimensions



Unit: mm

## Product Image



# 4G/ LTE Magnetic Mount Antenna



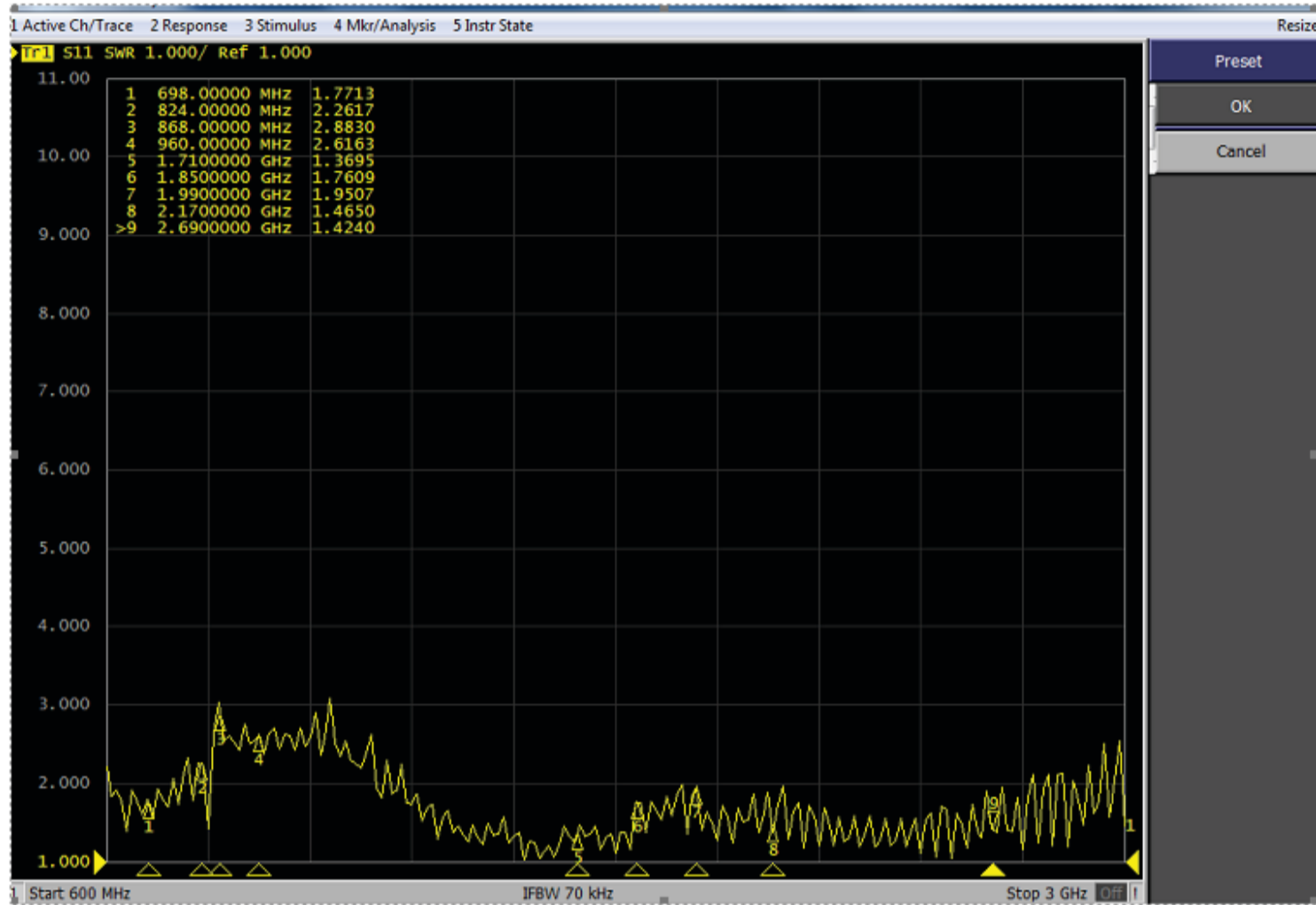
AEACAD097015-S698

97 x Ø 15 mm

RoHS/RoHS II Compliant

MSL - 1

## VSWR



## Gain and Efficiency

Frequency(MHz)	Efficiency (%)	Gain (dBi)
700	0.65	4.87
824	0.62	3.08
868	0.61	3.09
960	0.60	2.56
1710	0.53	2.85
1850	0.59	2.92
1990	0.52	1.81
2170	0.57	2.46
2690	0.58	2.66



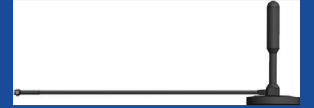
5101 Hidden Creek Ln Spicewood TX 78669  
 Phone: 512-371-6159 | Fax: 512-351-8858  
 For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 08.15.2018

ABRACON IS  
 ISO9001-2015  
 CERTIFIED



# 4G/ LTE Magnetic Mount Antenna



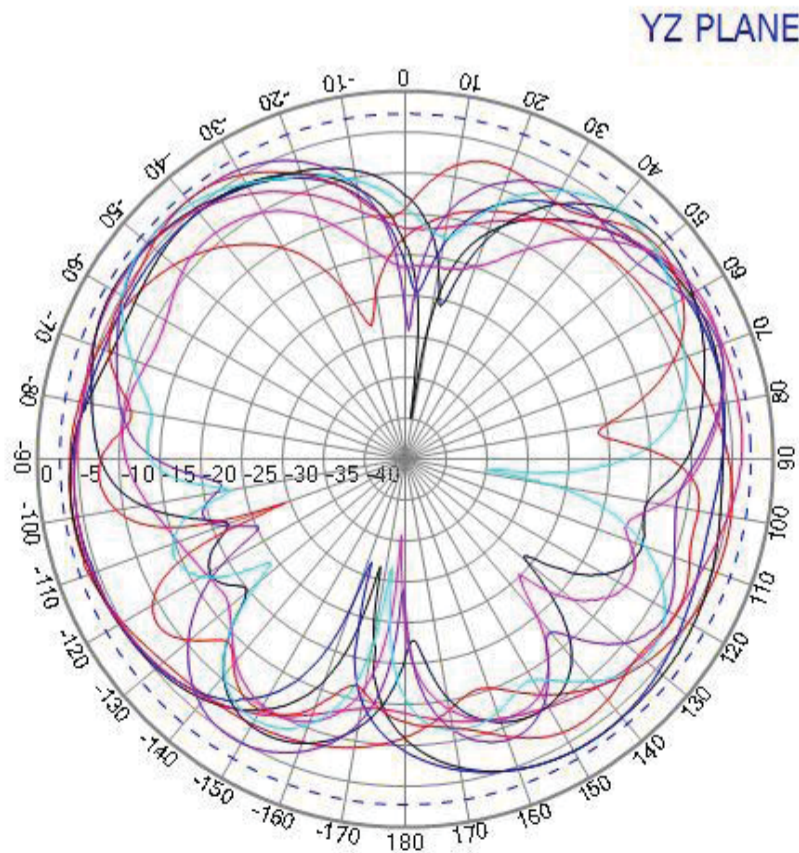
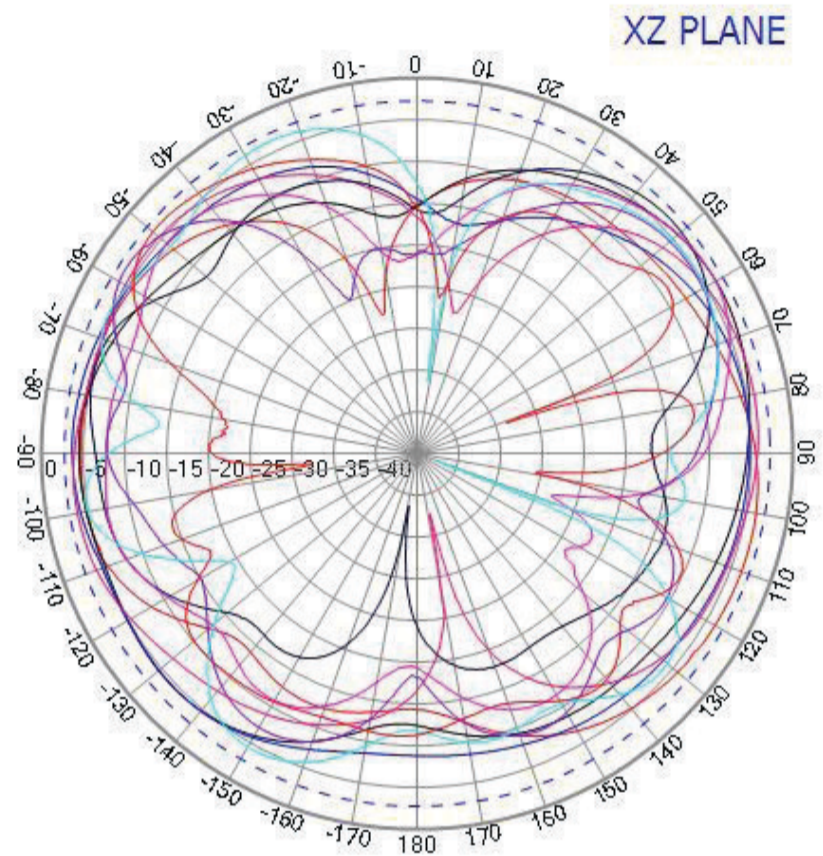
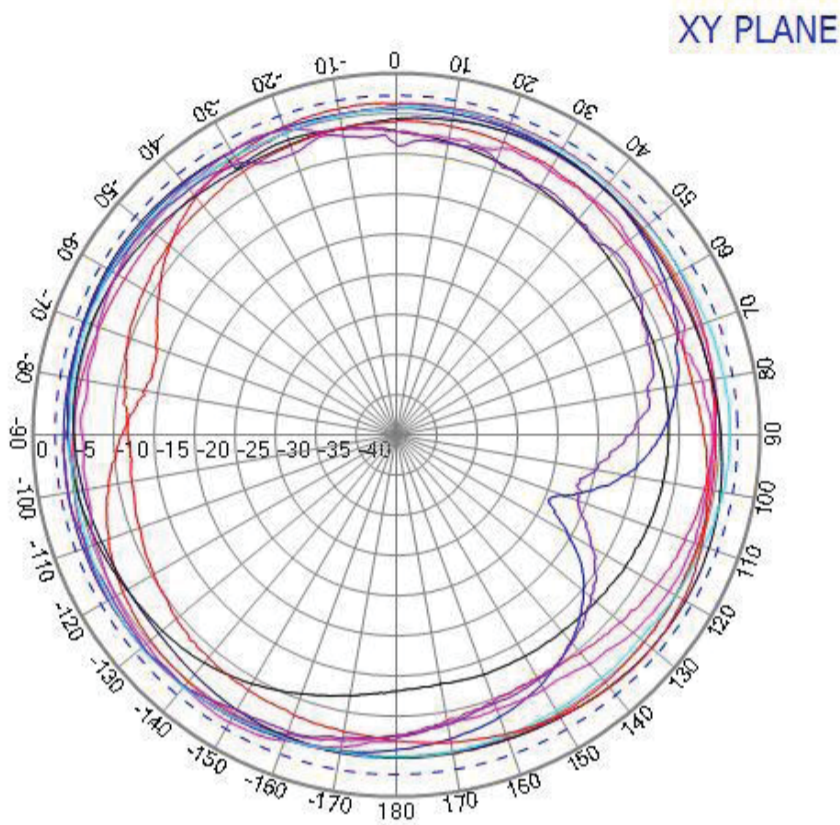
AEACAD097015-S698

97 x Ø 15 mm

RoHS/RoHS II Compliant

MSL - 1

## Radiation Pattern



5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 08.15.2018

ABRACON IS  
ISO9001-2015  
CERTIFIED



# 4G/ LTE Magnetic Mount Antenna



AEACAD097015-S698

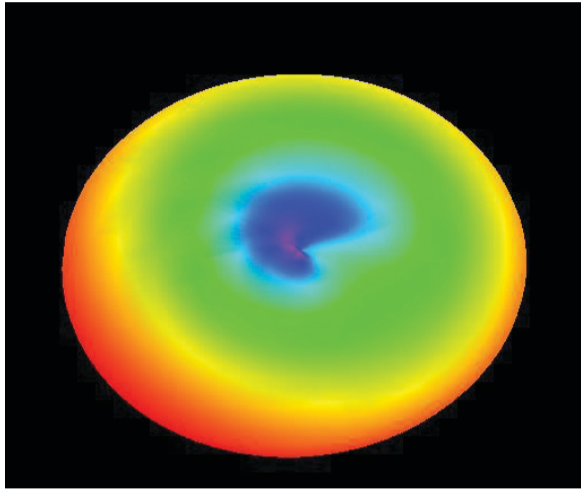
97 x Ø 15 mm

RoHS/RoHS II Compliant

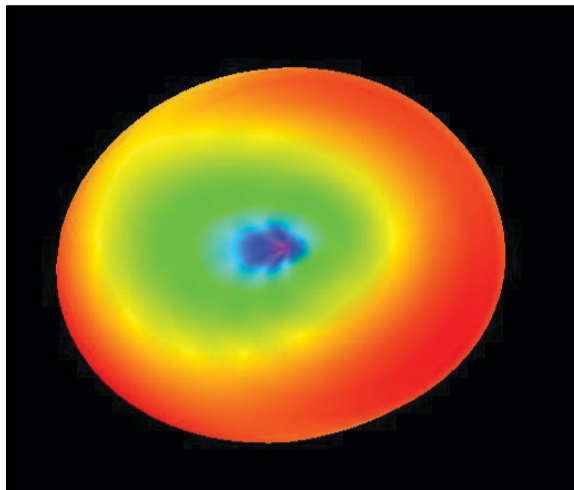
MSL - 1

## Radiation Pattern

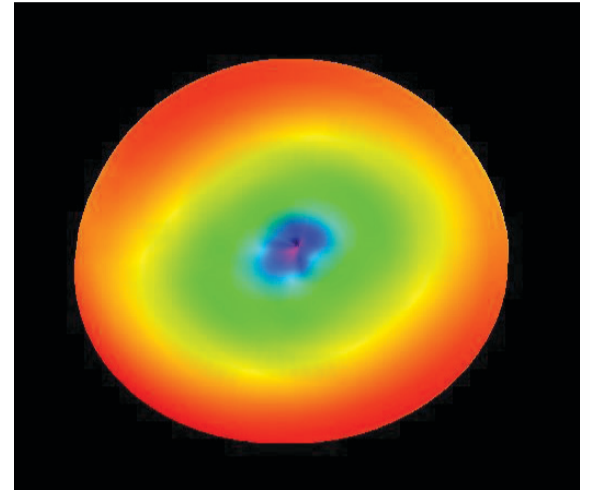
### 3D Radiation Patterns



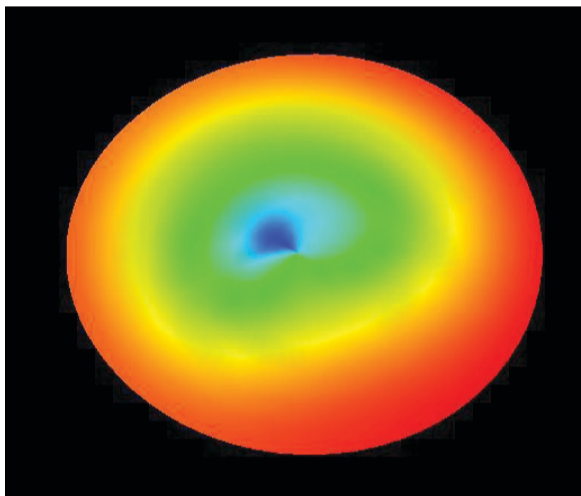
698 MHz



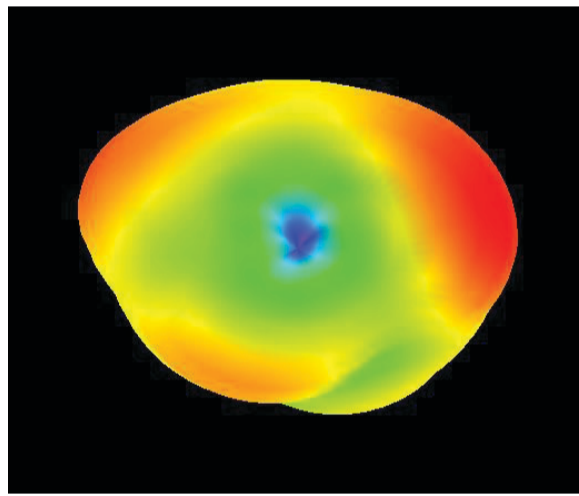
824 MHz



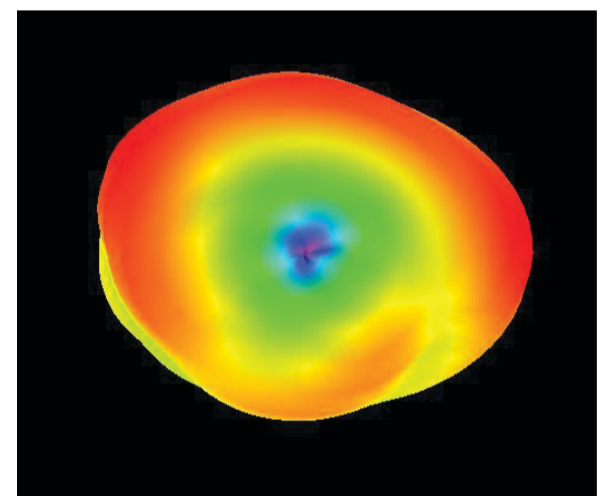
868 MHz



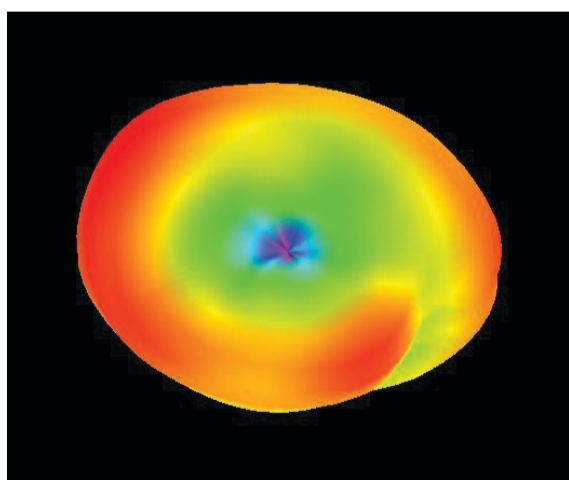
960 MHz



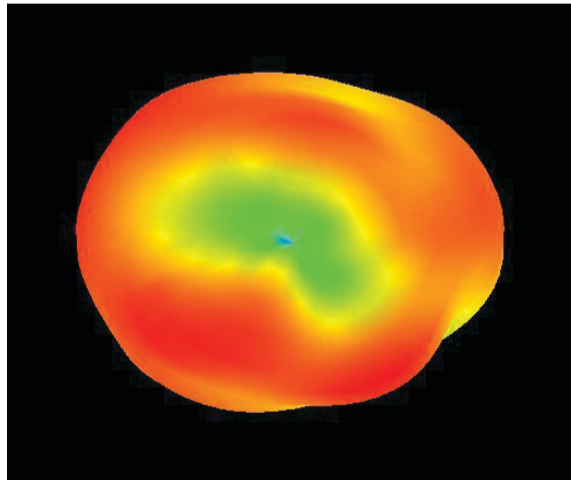
1710 MHz



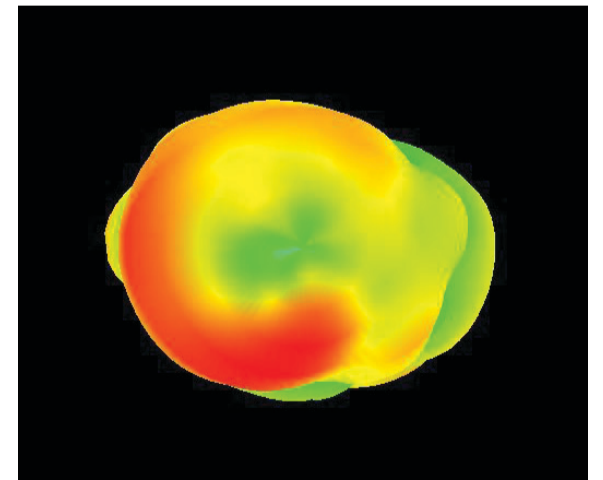
1850 MHz



1900 MHz



2170 MHz



2690 MHz



5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 08.15.2018

ABRACON IS  
ISO9001-2015  
CERTIFIED

# 4G/ LTE Magnetic Mount Antenna



AEACAD097015-S698

97 x Ø 15 mm

RoHS/RoHS II Compliant

MSL - 1

## Packaging

---

Each 35 x 35 x 30cm size carton includes 50 pcs antenna, weighs 15 kg



5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 08.15.2018

ABRACON IS  
ISO9001-2015  
CERTIFIED