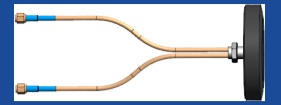


# 2x2 4G/LTE Screw Mount MIMO Antenna



AEACBK081014-M698



Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

## FEATURES

- 2 X MIMO antenna
- 4G/LTE operates in 698-2700 MHz
- IP67 rated
- Linear polarization
- Screw mounting

## APPLICATIONS

- 4G/LTE
- Telematics
- Fleet monitoring
- IoT
- Video, Surveillance
- Femtocells
- M2M

## Electrical Specifications

Parameters	Min.	Typ.	Max.	Units	Note
Frequency Range		698~960/1710~2690		MHz	
VSWR			3.5		
Polarization Model	Linear				
Impedance		50		Ω	
Gain (Main & Aux)		2.5		dBi	Zenith

## Mechanical Characteristics

Parameters	Description
Connector	2xSMA Male
Cable Type	2xRG174
Cable Length	3M
Material	ABS
Mount way	Screw
Dimensions	Φ81.3 x 14.6 mm

## Environmental Characteristics

Parameters	Description
Waterproof	IP67
Operating Temperature	-40° to +85°C
Relative Humidity	Up to 95%
MSL Level	1
ROHS Complaint	Yes
Vibration	10 to 55Hz with 1.5mm amplitude 2hours

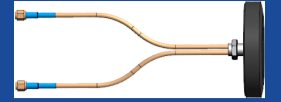


5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 01.25.2019

ABRACON IS  
ISO9001-2015  
CERTIFIED

# 2x2 4G/LTE Screw Mount MIMO Antenna

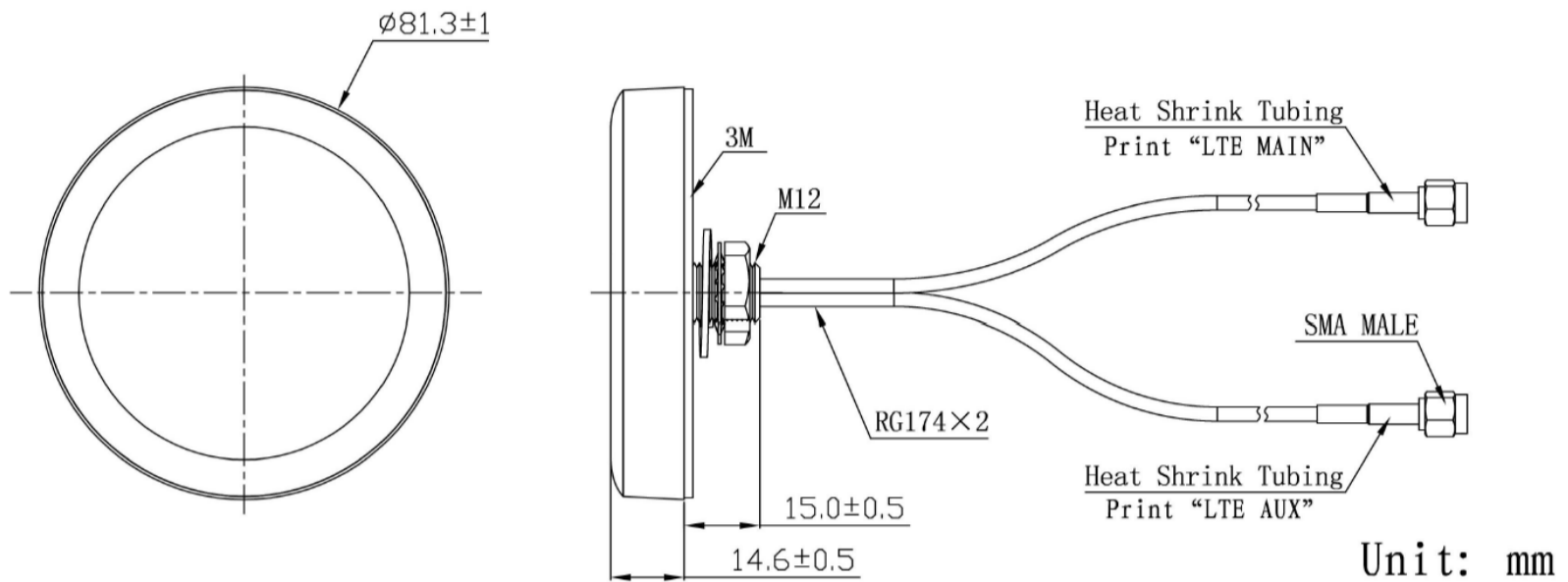


AEACBK081014-M698



Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

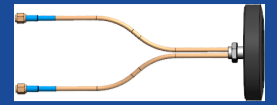
## Dimensions



## Product Image



# 2x2 4G/LTE Screw Mount MIMO Antenna

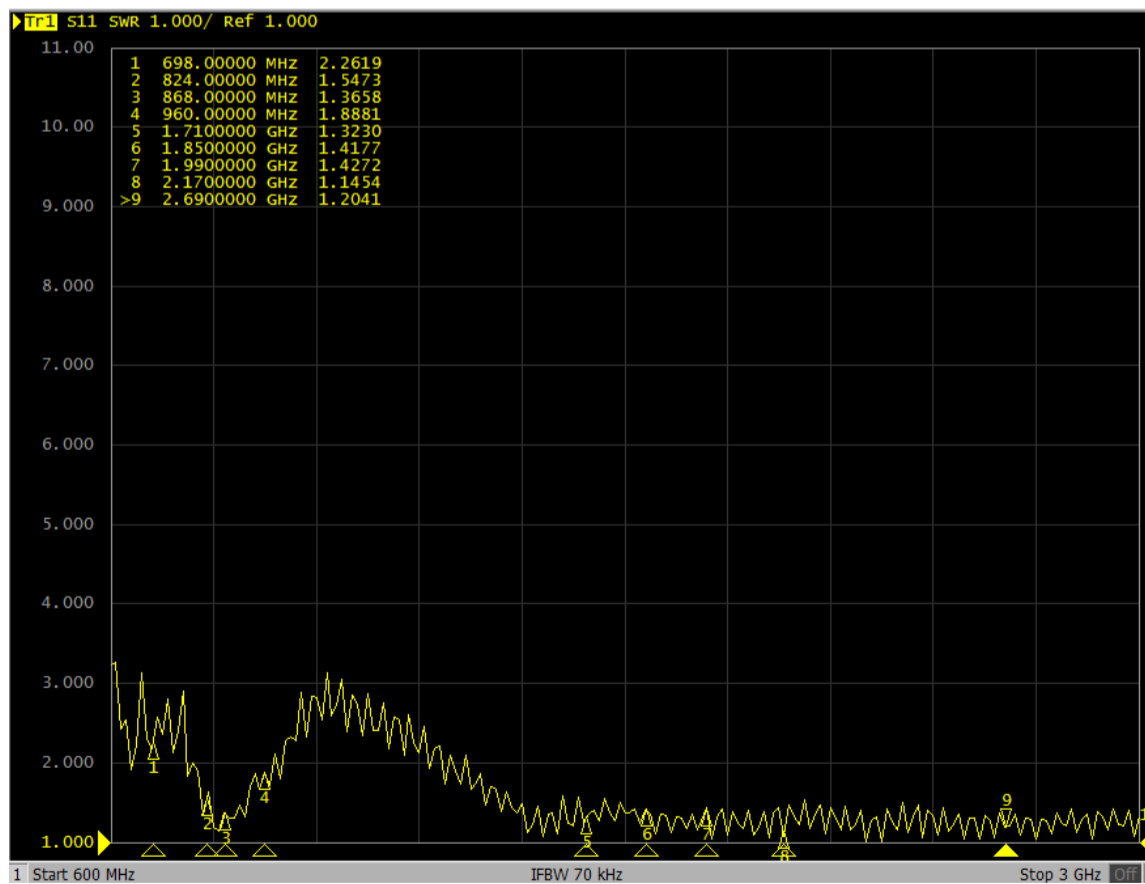
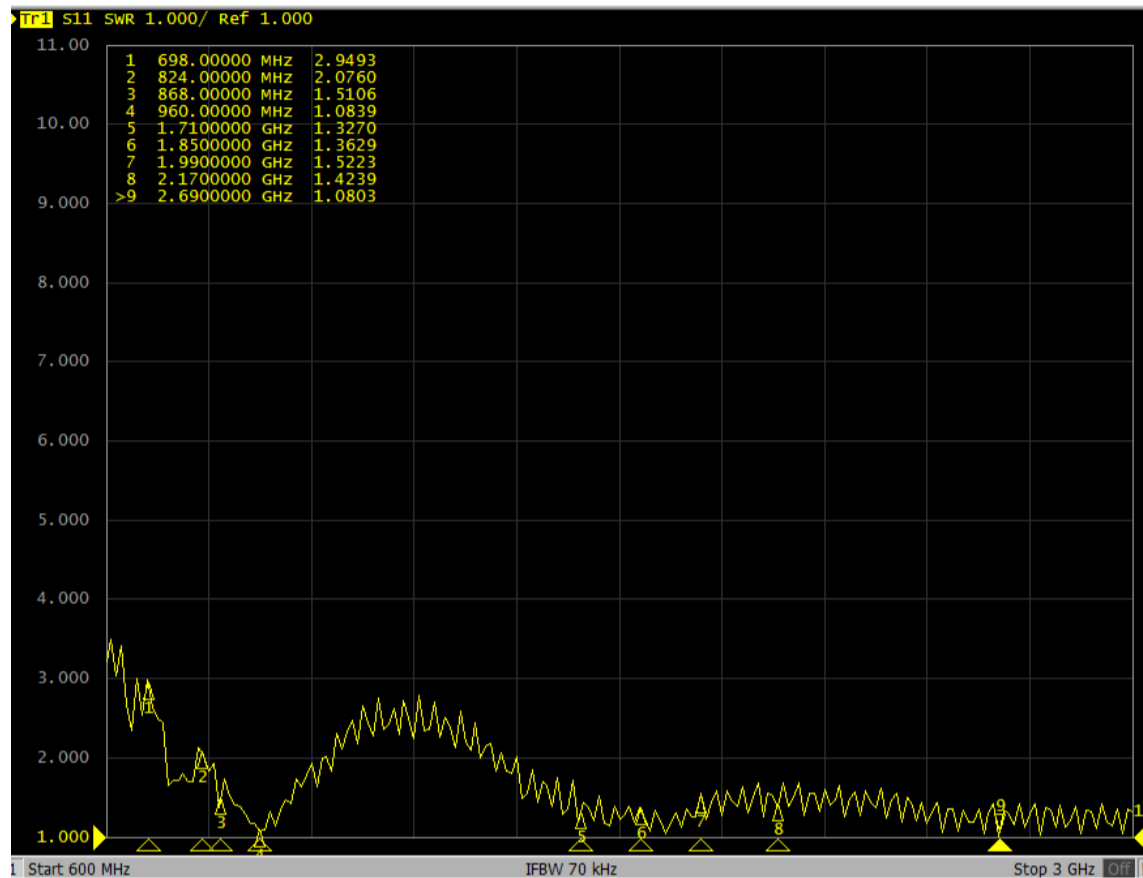


AEACBK081014-M698



Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

## VSWR

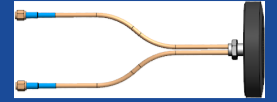


5101 Hidden Creek Ln Spicewood TX 78669  
Phone: 512-371-6159 | Fax: 512-351-8858  
For terms and conditions of sales, please visit:  
[www.abracon.com](http://www.abracon.com)

REVISED: 01.25.2019

ABRACON IS  
ISO9001-2015  
CERTIFIED

# 2x2 4G/LTE Screw Mount MIMO Antenna



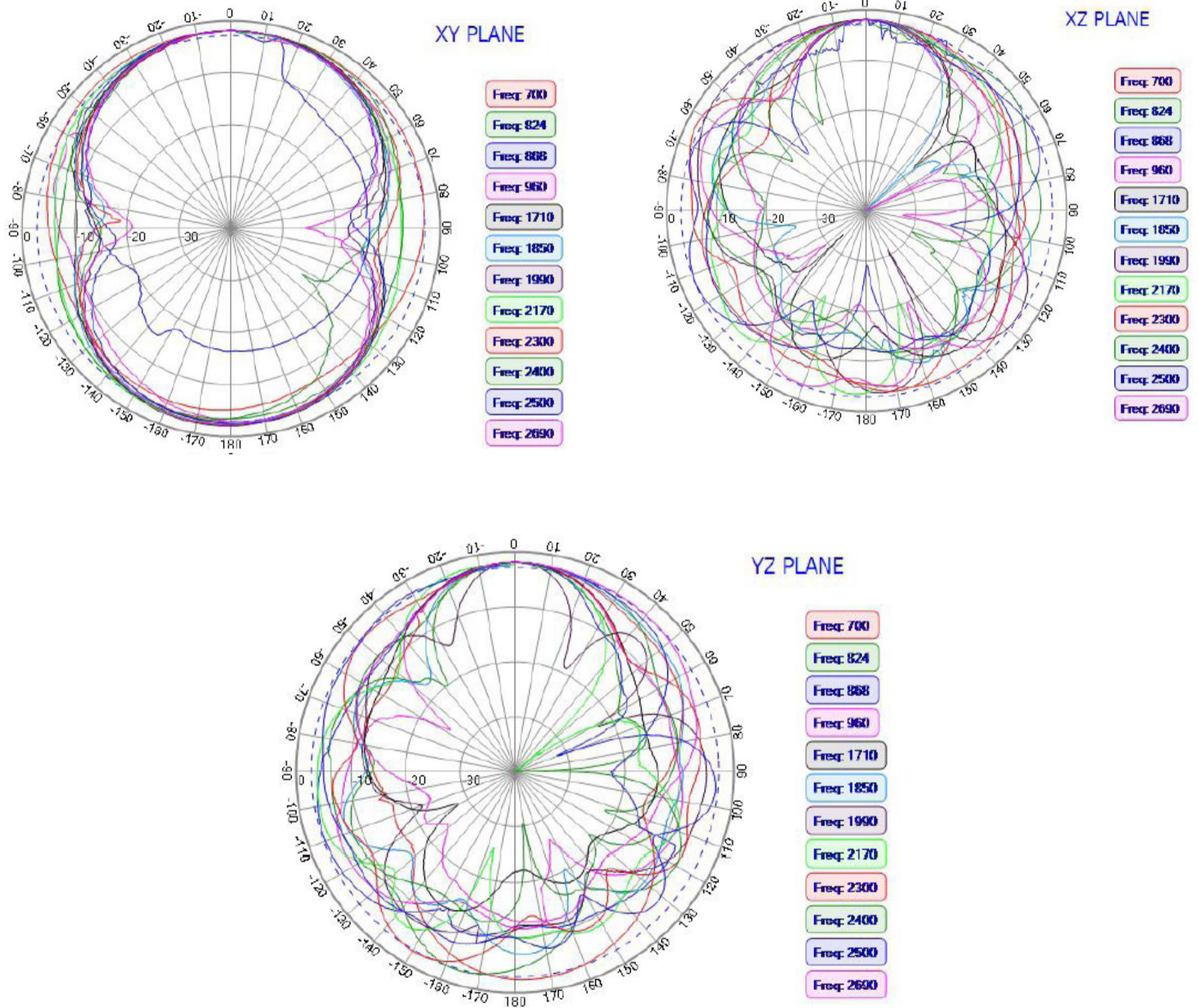
AEACBK081014-M698



Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

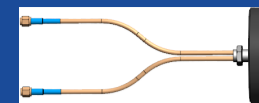
## Radiation Patterns

LTE Antenna MAIN





# 2x2 4G/LTE Screw Mount MIMO Antenna



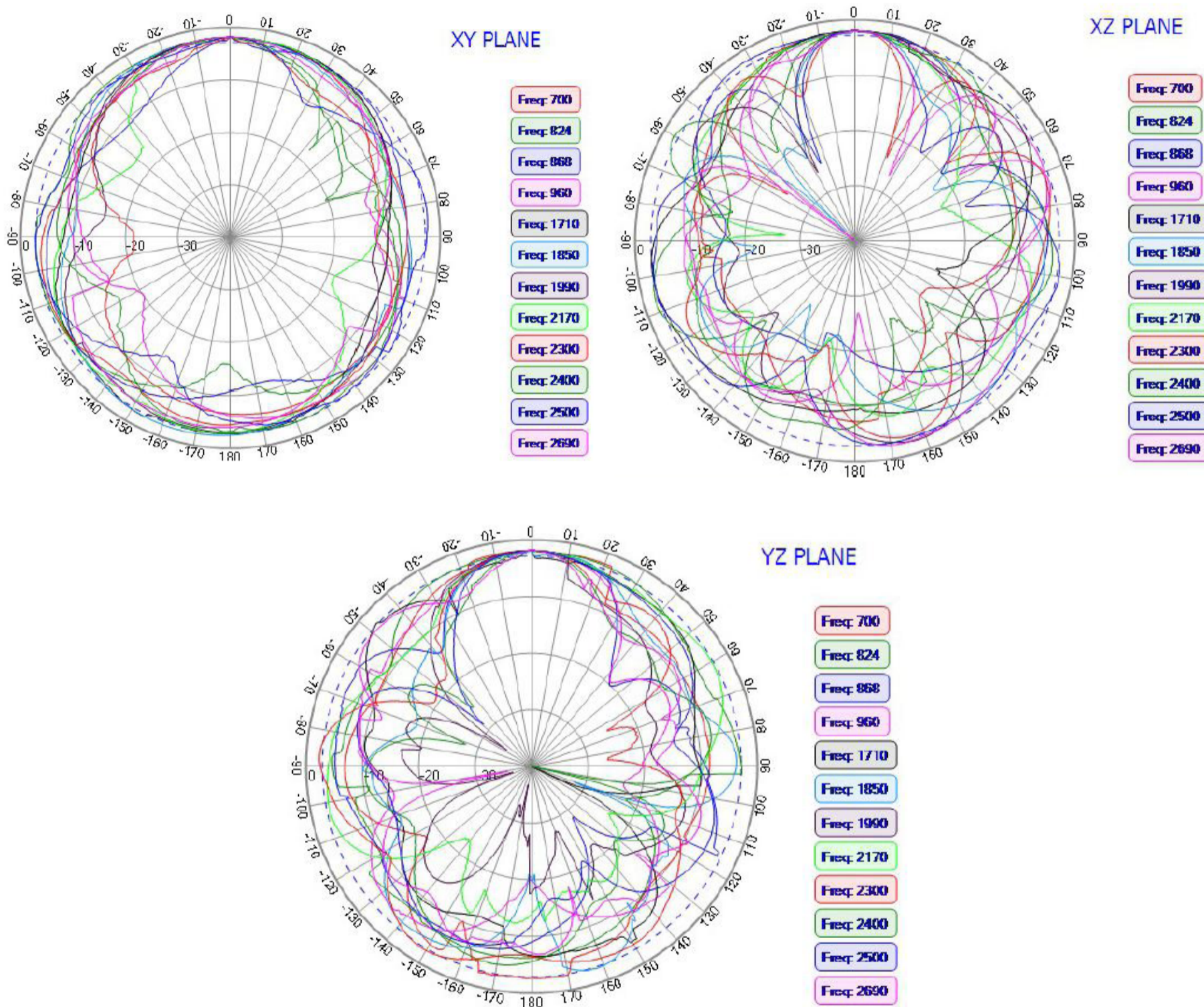
AEACBK081014-M698



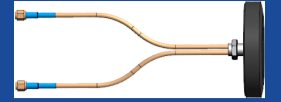
Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

## Radiation Patterns

LTE Antenna AUX



# 2x2 4G/LTE Screw Mount MIMO Antenna



AEACBK081014-M698

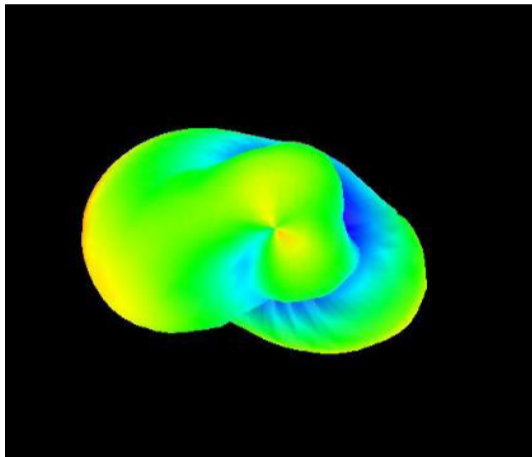


Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

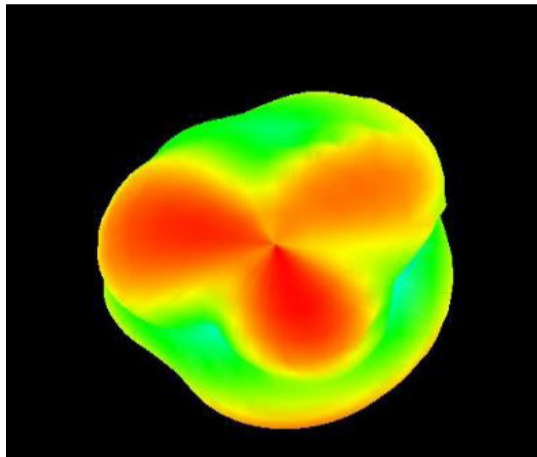
## Radiation Patterns

### 3D-Pattern

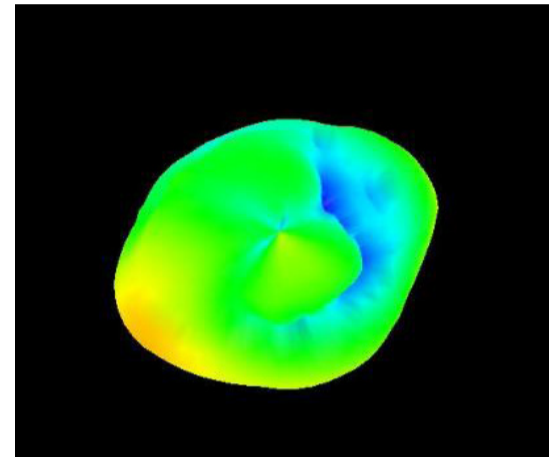
698 MHZ



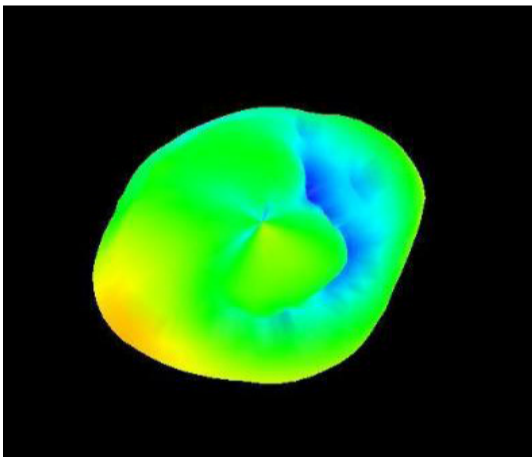
824 MHZ



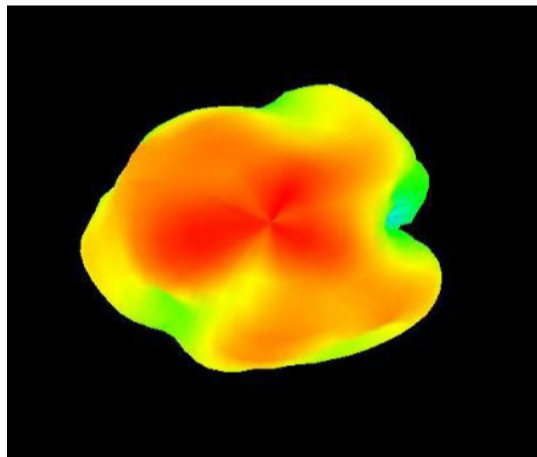
868 MHZ



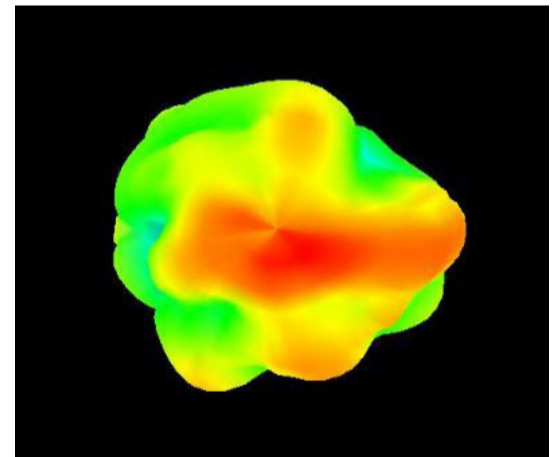
960 MHZ



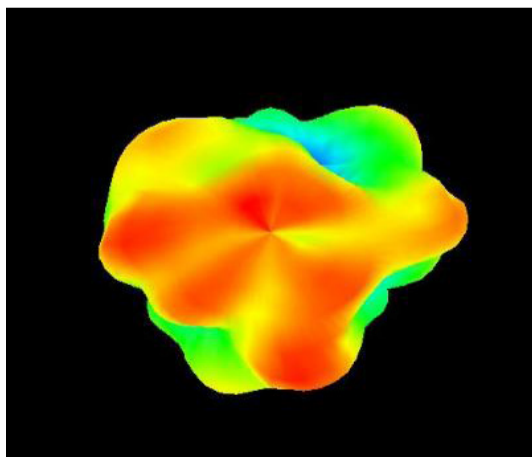
1710 MHZ



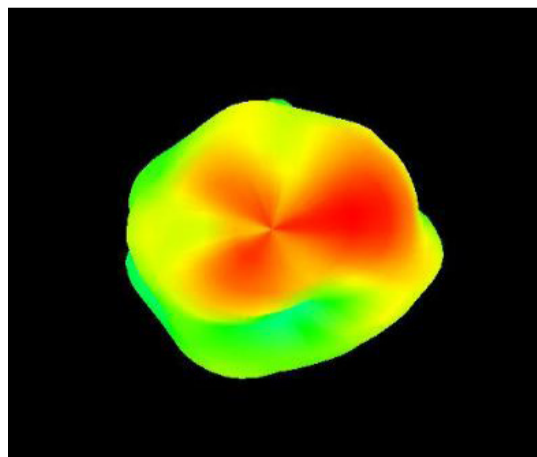
1850 MHZ



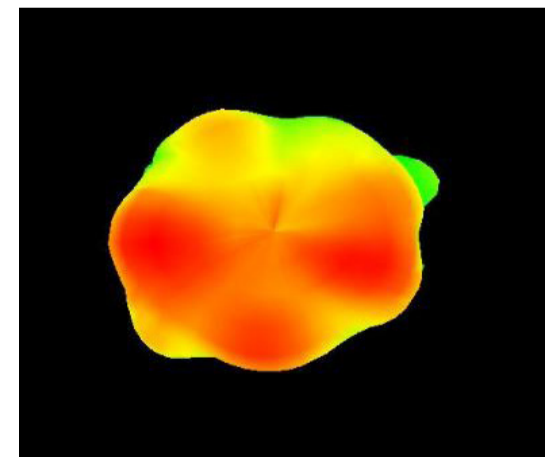
1990 MHZ



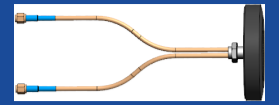
2170 MHZ



2690 MHZ



## 2x2 4G/LTE Screw Mount MIMO Antenna



AEACBK081014-M698



Ø81.6 x 14.5 mm  
RoHS/RoHS II Compliant  
MSL - 1

### Gain and Efficiency

#### LTE Main:

Frequency (MHz)	Efficiency	Gain (dBi)
700	0.62	1.4
824	0.67	2.79
868	0.68	2.87
960	0.58	-0.71
1710	0.61	1.18
1850	0.57	-0.26
1990	0.61	1.1
2170	0.67	2.9
2690	0.59	1.07

#### LTE Aux:

Frequency (MHz)	Efficiency	Gain (dBi)
700	0.62	1.5
824	0.64	1.74
868	0.68	2.75
960	0.58	0.55
1710	0.62	1.39
1850	0.57	0.51
1990	0.57	-0.23
2170	0.65	2.6
2690	0.56	0.62

### Packaging

Each 49.5 x 22.5 x 27.0 cm size carton includes 50 pcs antenna, weighs 7.5 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: 01.25.2019

ABRACON IS  
ISO9001-2015  
CERTIFIED



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Antennas](#) category:*

*Click to view products by [Abracon](#) manufacturer:*

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [EXB144SM](#) [C37](#) [MAF94051](#) [P1744](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#) [MIKROE-2352](#)