

Magnetic Mount 4G/LTE Antenna



AEACAD460065-S698

Φ65 x 460 mm
RoHS/RoHS II Compliant
MSL - 1

FEATURES

- Operates in 698-2700 MHz
- Multiband antenna
- Linear polarization
- High gain of 5 dBi
- Magnetic base
- Omni-directional pattern

APPLICATIONS

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

Electrical Characteristics

| Parameters | Min. | Typ. | Max | Units | Note |
|--------------------|--------|-------------------|-----|-------|--------|
| Frequency Range | | 698~960/1710~2700 | | MHz | |
| VSWR | | | 2.0 | | |
| Polarization Model | Linear | | | | |
| Impedance | | 50 | | Ω | |
| Gain | | 5.0 | | dBi | Zenith |

Mechanical Characteristics

| Parameters | Description |
|--------------|--------------|
| Connector | SMA Male |
| Cable Type | RG58 |
| Cable Length | 3M |
| Mounting | Magnet |
| Dimensions | Φ65 x 460 mm |

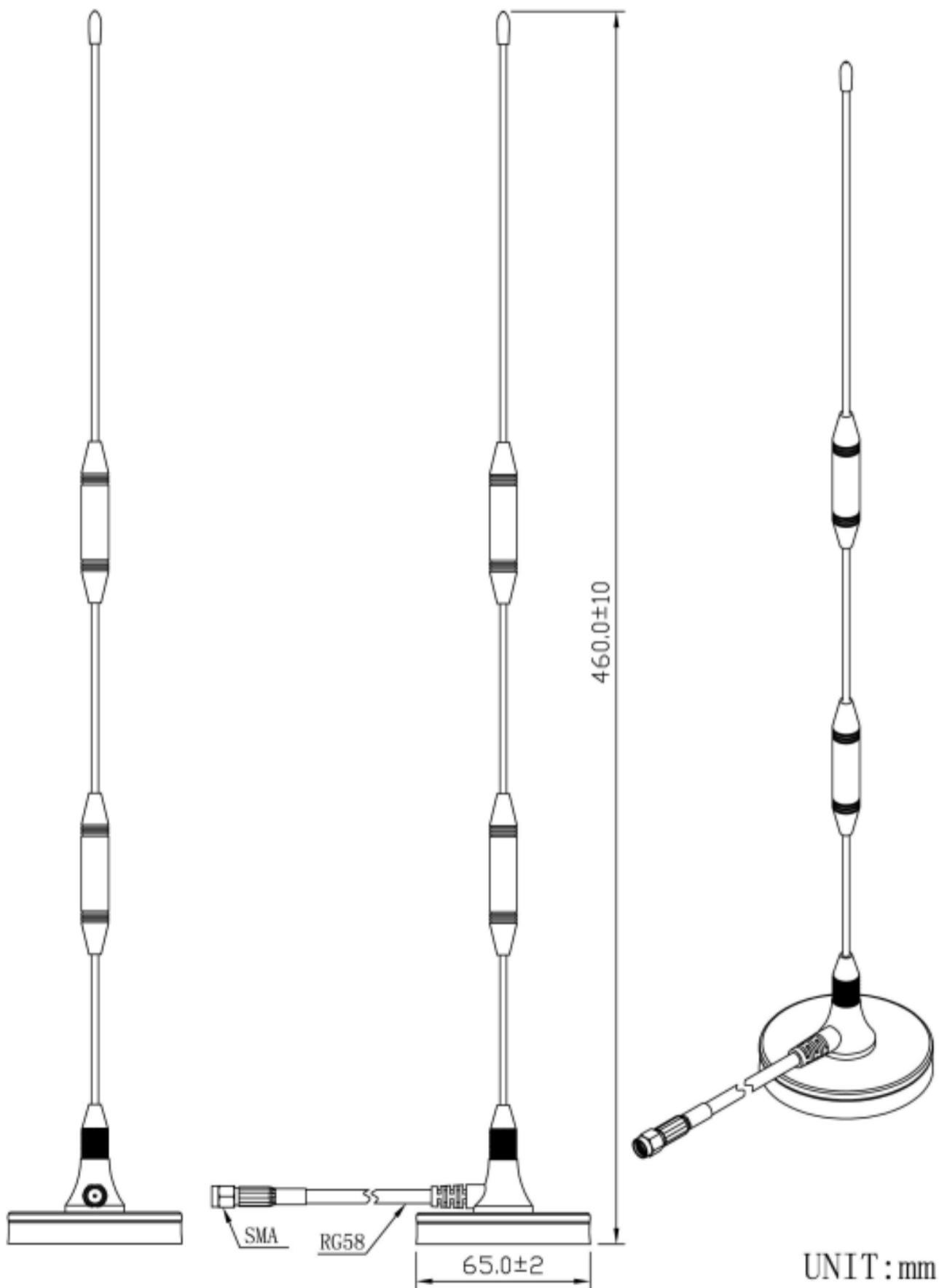
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Dimensions



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

REVISED: 01.17.2019

ABRACON IS
ISO9001-2015
CERTIFIED

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Product Image



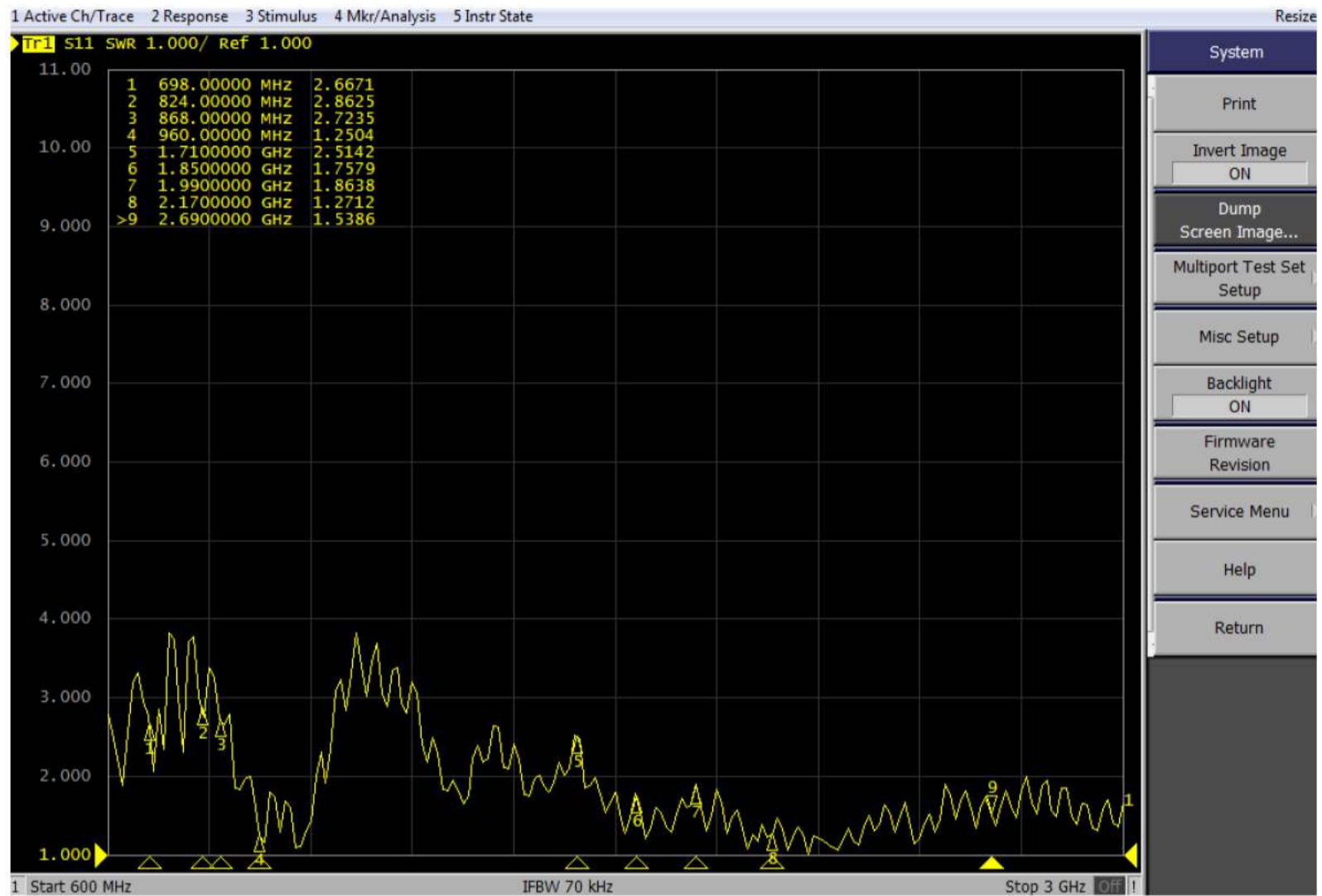
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VSWR



Gain and Efficiency

| Frequency(MHz) | Efficiency (%) | Gain (dBi) |
|----------------|----------------|------------|
| 700 | 0.65 | 5.37 |
| 824 | 0.66 | 5.02 |
| 868 | 0.61 | 4.37 |
| 960 | 0.61 | 4.22 |
| 1710 | 0.59 | 4.18 |
| 1850 | 0.57 | 4.08 |
| 1990 | 0.59 | 4.74 |
| 2170 | 0.62 | 4.55 |
| 2690 | 0.58 | 4.49 |

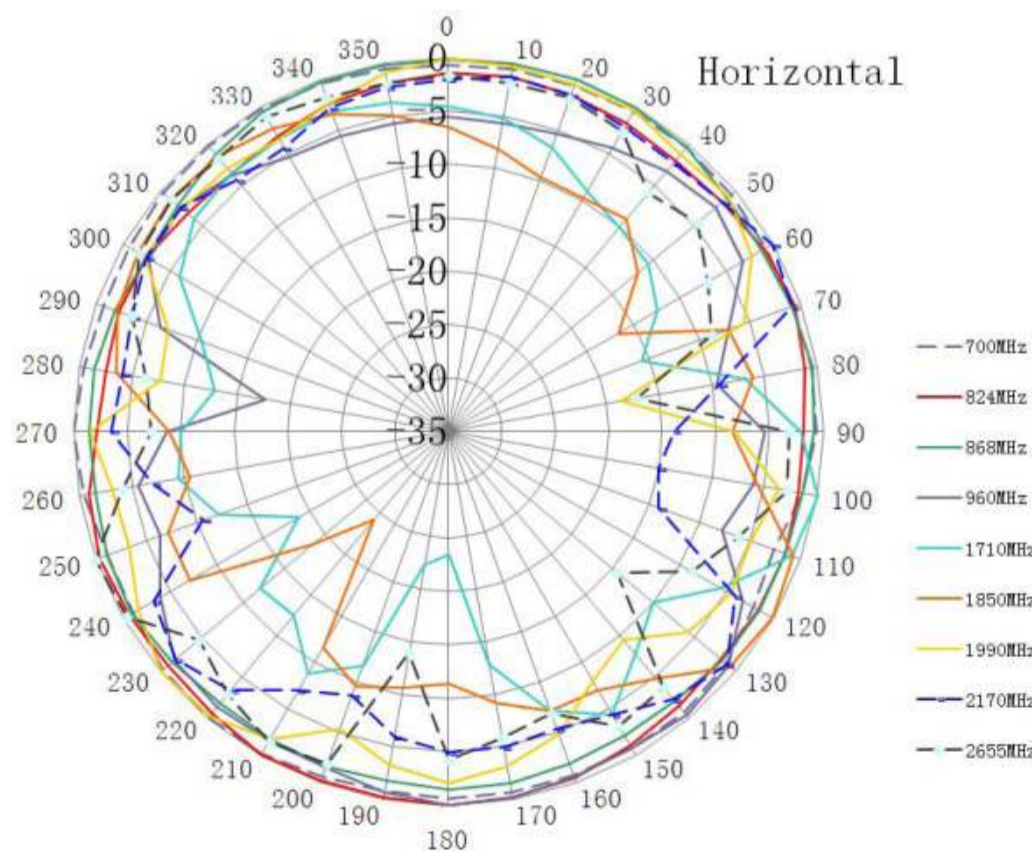
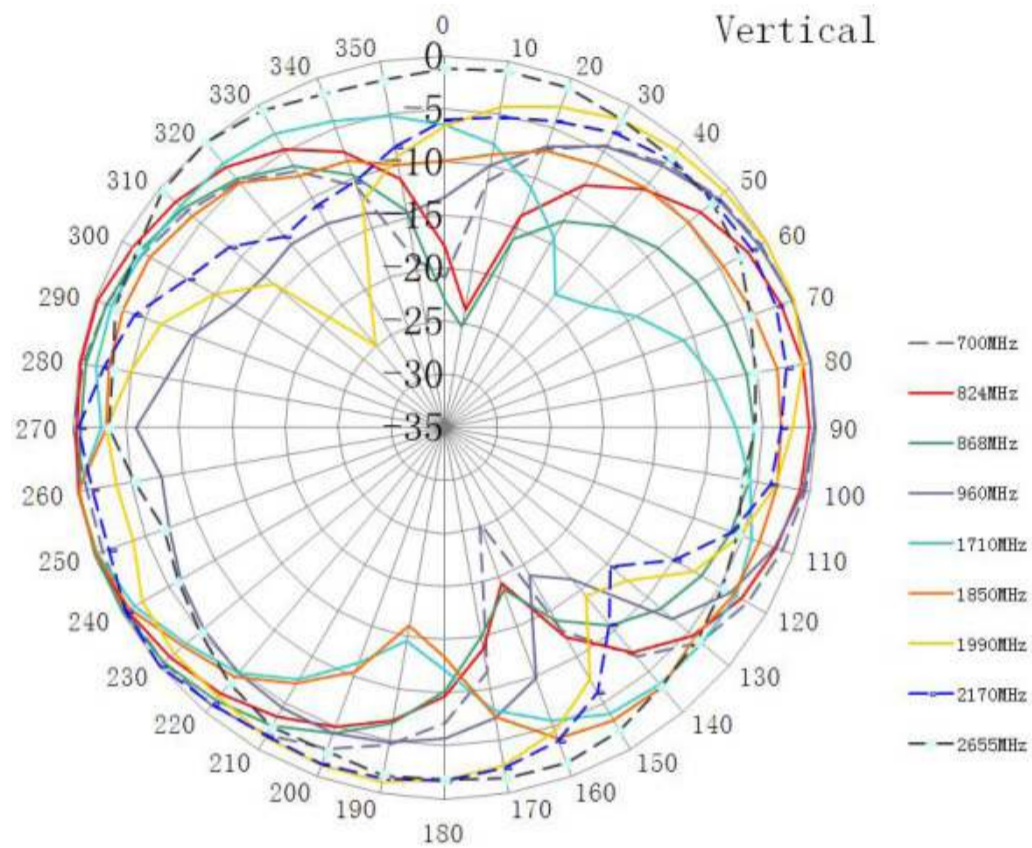
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Radiation Patterns



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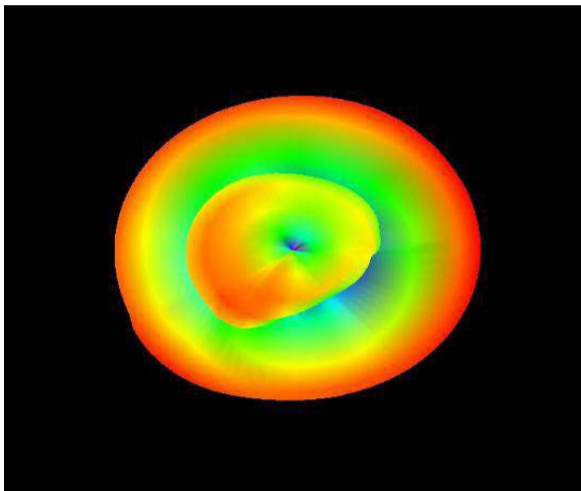


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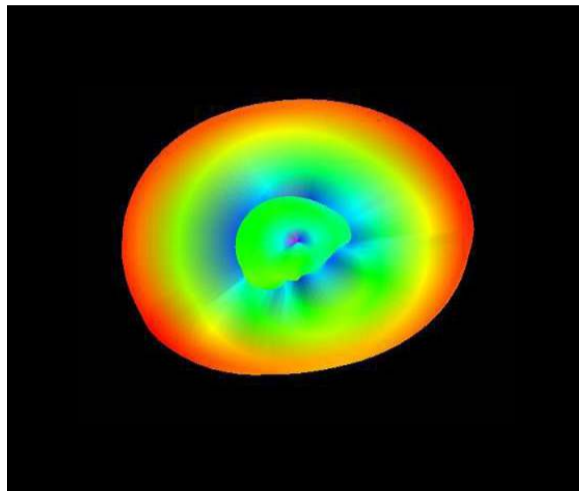
$\Phi 65 \times 460 \text{ mm}$
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Radiation Pattern

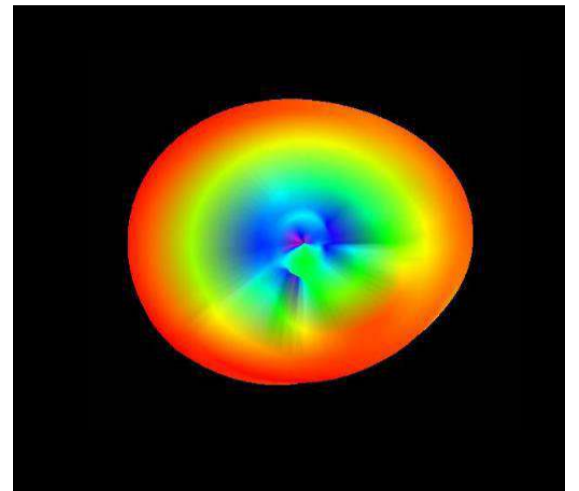
3D Radiation Patterns



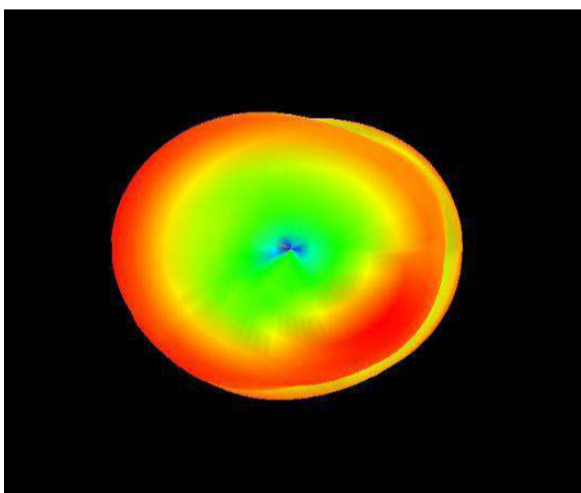
698 MHz



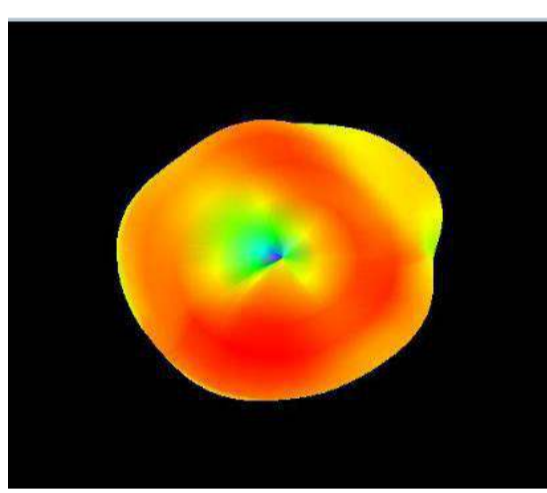
824 MHz



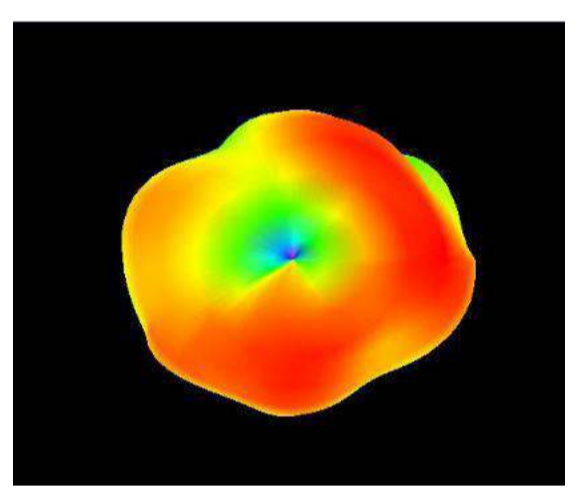
868 MHz



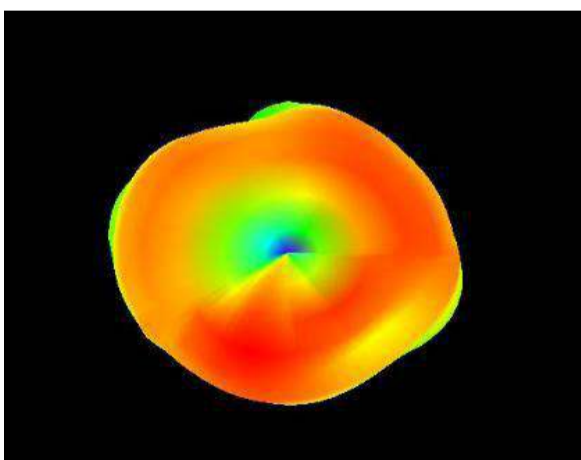
960 MHz



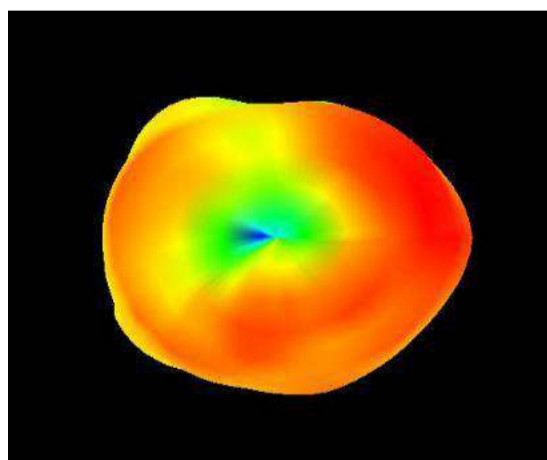
1710 MHz



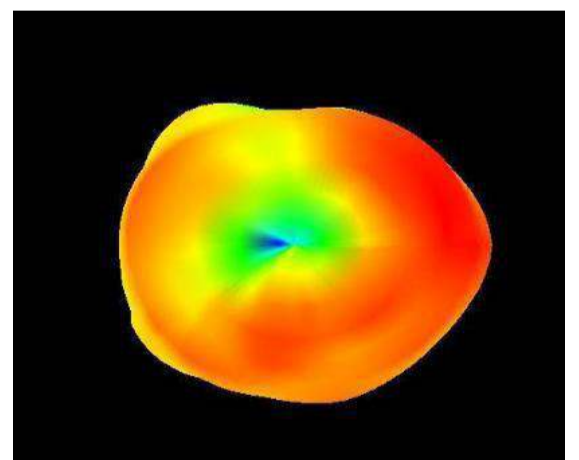
1850 MHz



1990 MHz



2170 MHz



2690 MHz



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Packaging

Each 60.5 x 45 x 38 cm size carton includes 50 pcs antenna, weighs 23 kg