

2J6824MP

CELLULAR/LTE Adhesive/Magnetic Mount

Key Features

CELLULAR/LTE

- 698-960 MHz
- 1710-2170 MHz
- 2500-2700 MHz

Adhesive/Magnetic Mount

Ground Plane Dependent

Customizable Cable and Connector

Dimensions 117 x 49.5 x 38 mm



1. Antenna and electrical specifications

| Parameters | CELLULAR / LTE Antenna | | |
|-----------------------------|--|---------------------|-----------|
| Standards | 2G,3G and 4G | | |
| Band (MHz) | 700/850/900 | 1700/1800/1900/2100 | 2600 |
| Frequency (MHz) | 698-960 | 1710-2170 | 2500-2700 |
| Return Loss (dB) | ~-10.1 | ~-10.5 | ~-14.0 |
| VSWR | ~2.3:1 | ~2.0:1 | ~1.6:1 |
| Efficiency (%) | ~46.6 | ~38.8 | ~48.7 |
| Peak Gain (dBi) | ~1.2 | ~1.9 | ~3.1 |
| Average Gain (dB) | ~-3.5 | ~-4.1 | ~-3.1 |
| Impedance (Ohm) | 50 | | |
| Polarisation | Linear | | |
| Radiation Pattern | Omni-Directional | | |
| Max. Input Power (W) | 25 | | |
| Connector Type | SMA-Male (Other connectors available) | | |
| Cable Length | 300 cm (Customizable length available) | | |
| Cable Type | LL100 (Other cable type available) | | |

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Ground Plane

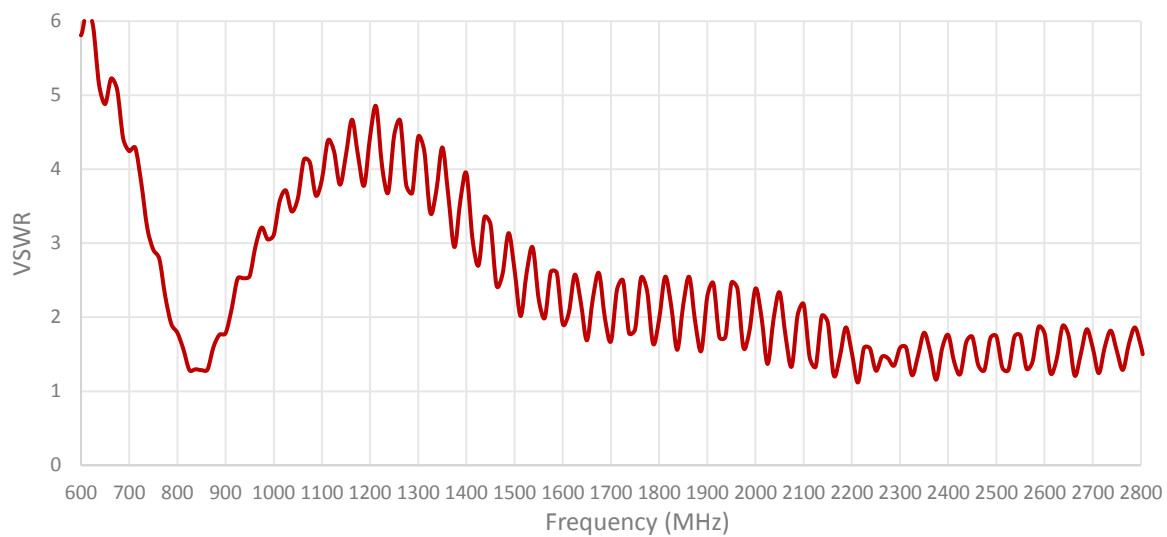
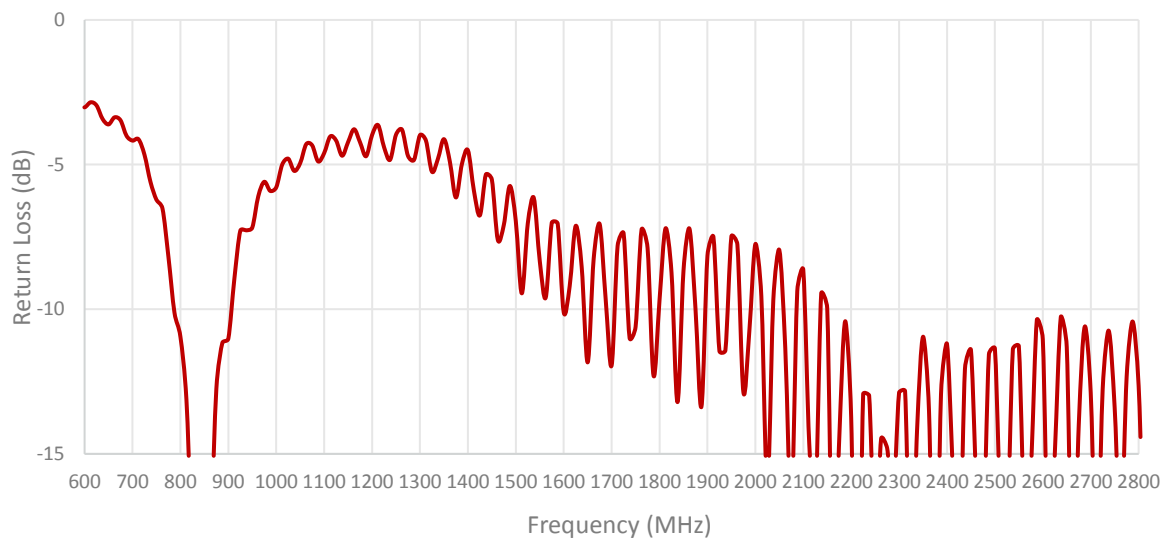
LL100 200 cm Cable Length

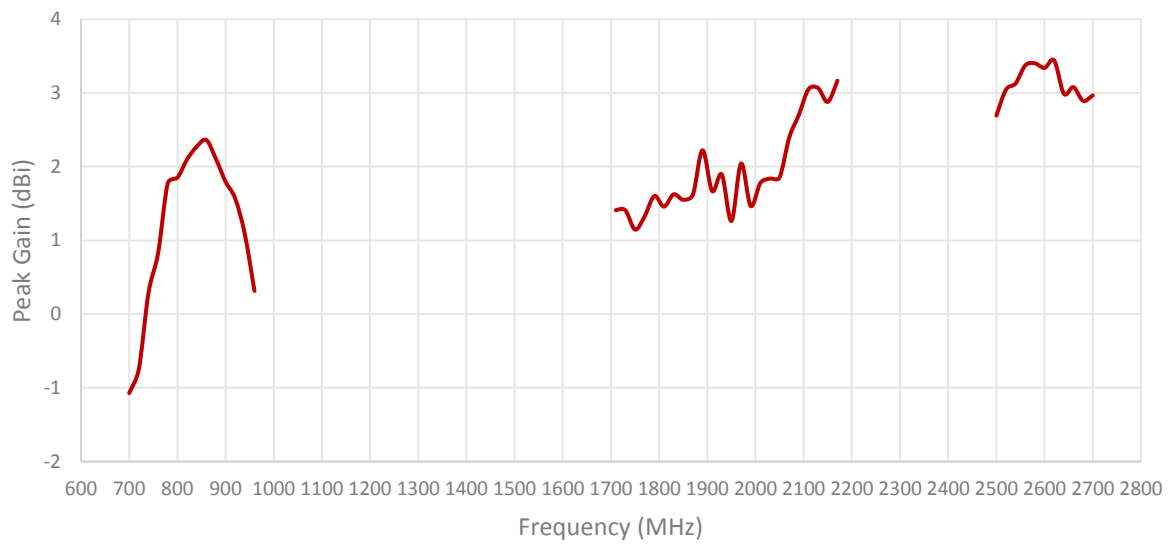
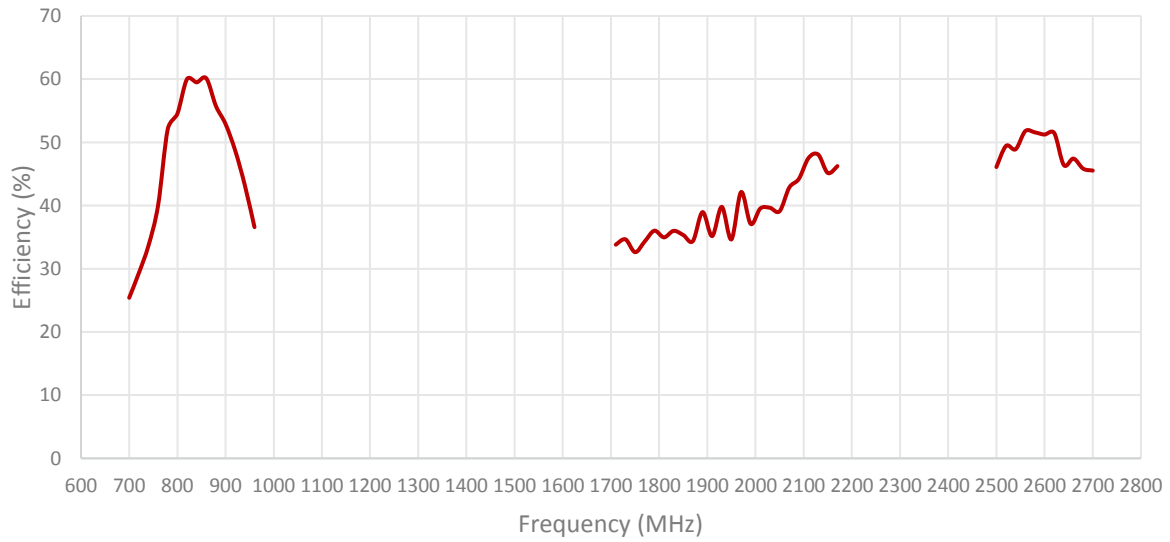
Measured in Certified CTIA 3D Anechoic Chamber

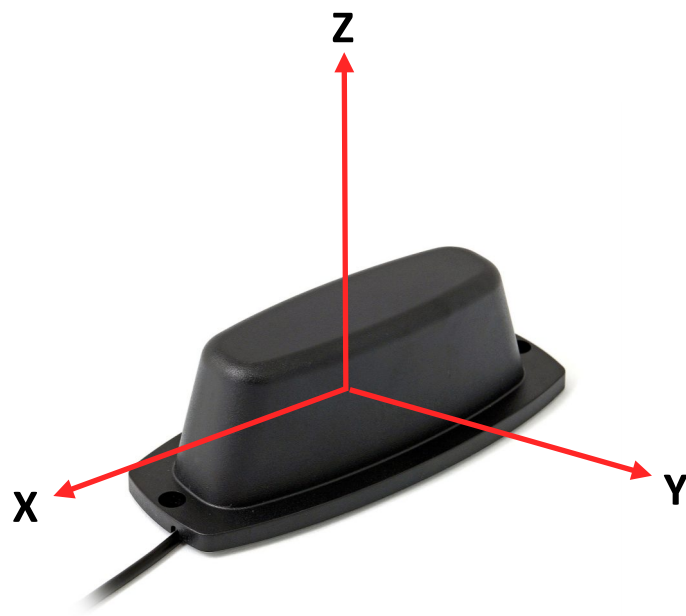
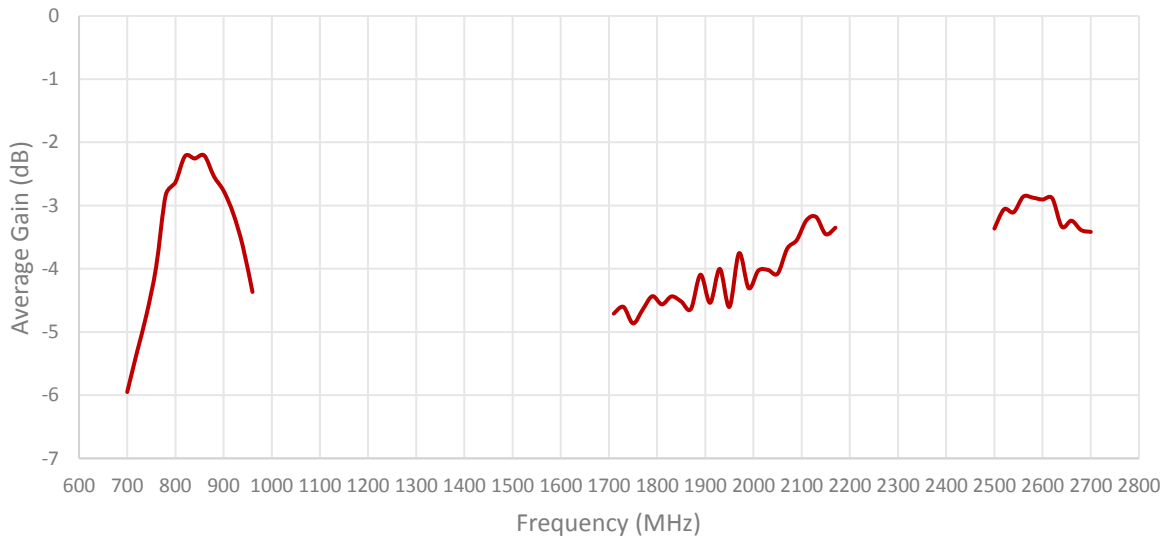
2. Mechanical and environmental specifications

| Specifications | 2J6824MP |
|----------------------------------|-------------------------|
| Mounting Type | Adhesive/Magnetic Mount |
| Dimensions (mm) | 117 x 49.5 x 38 |
| Radome | PC/ABS UV Stable |
| Radome color | Black |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Substance Compliance | RoHS |

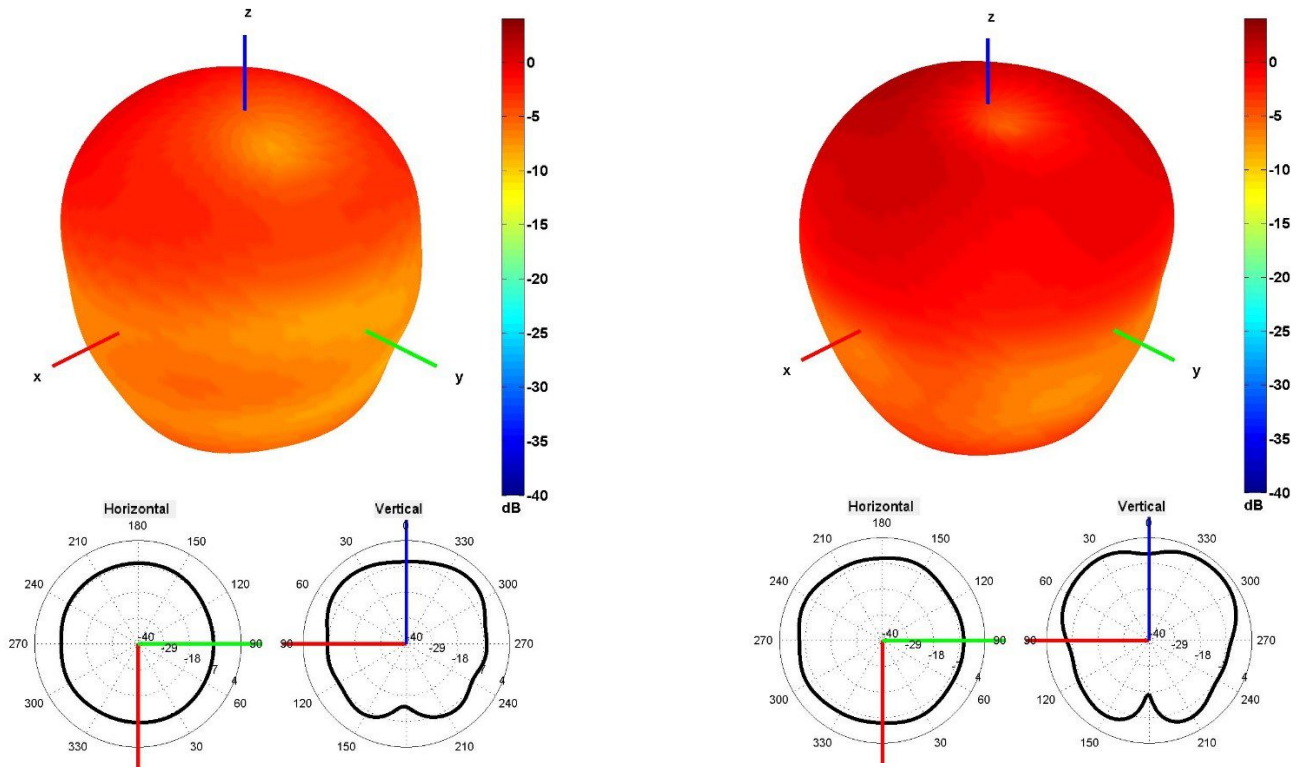
3. Antenna parameters



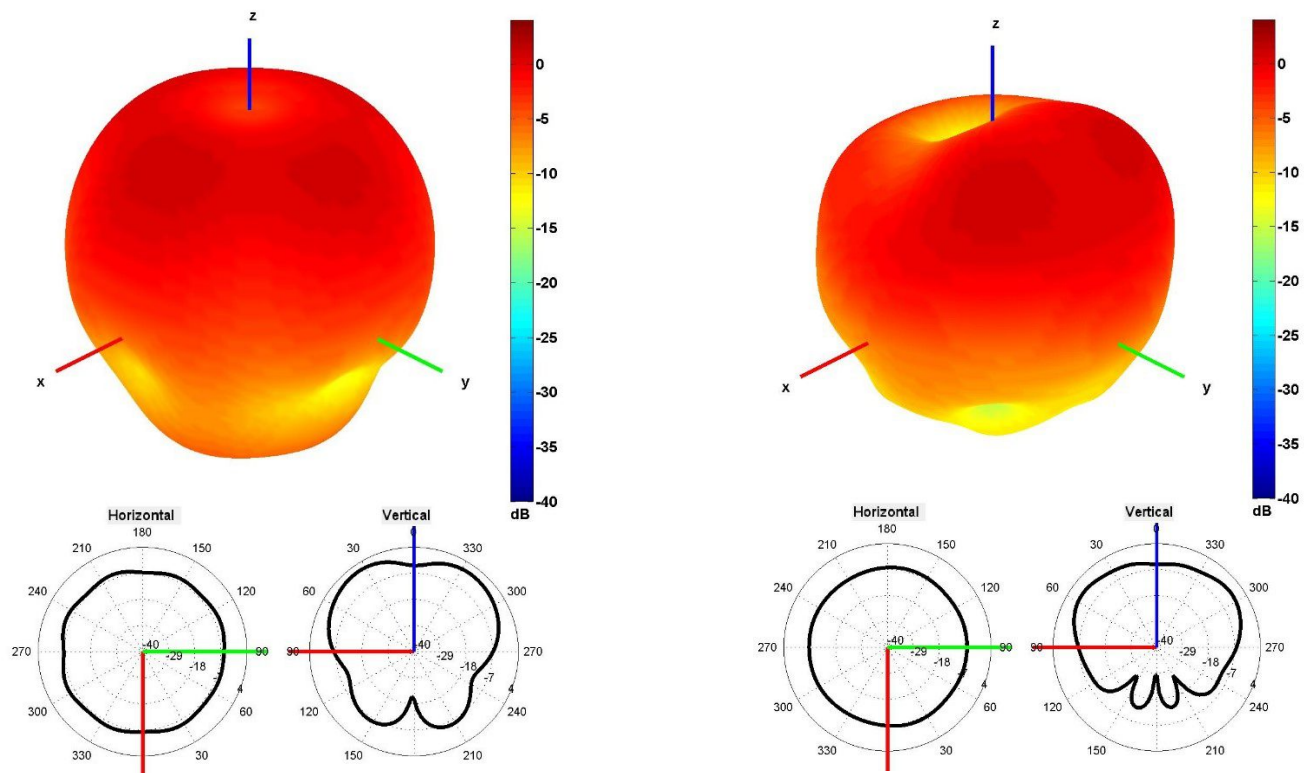




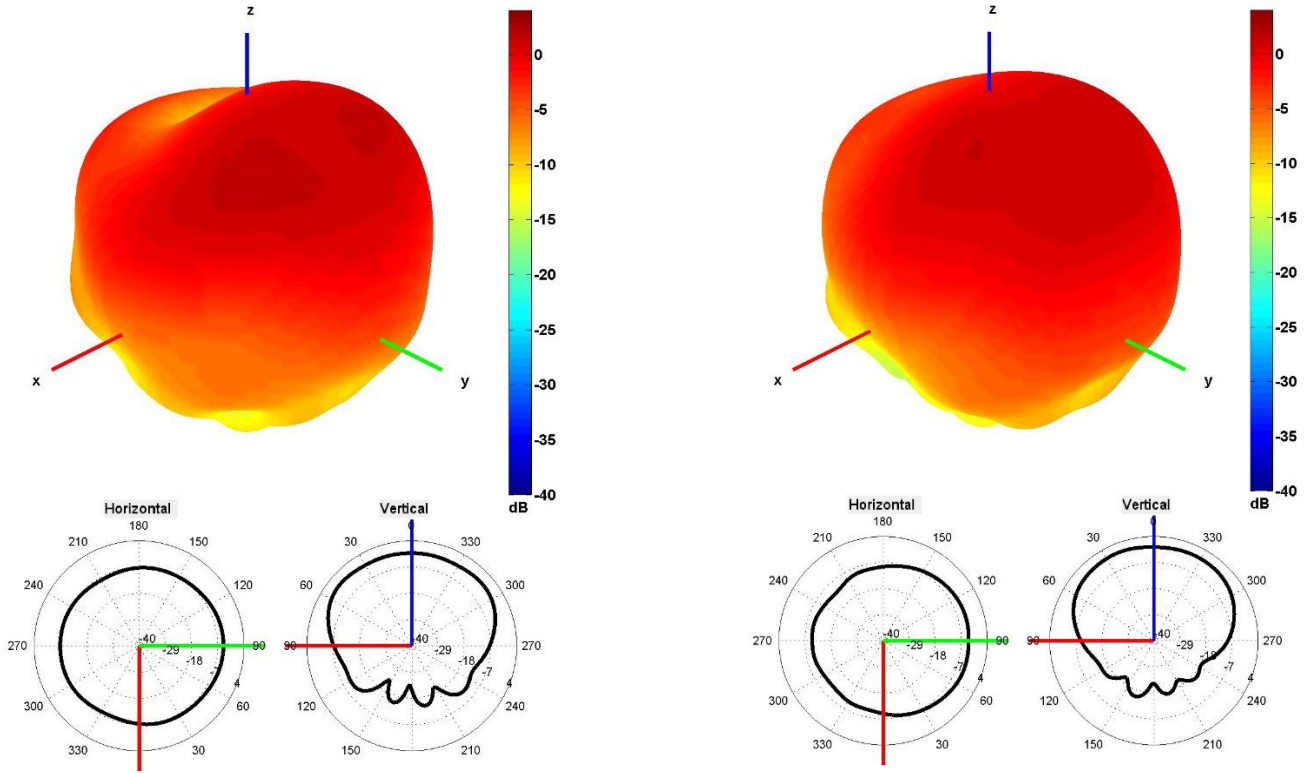
Radiation pattern reference



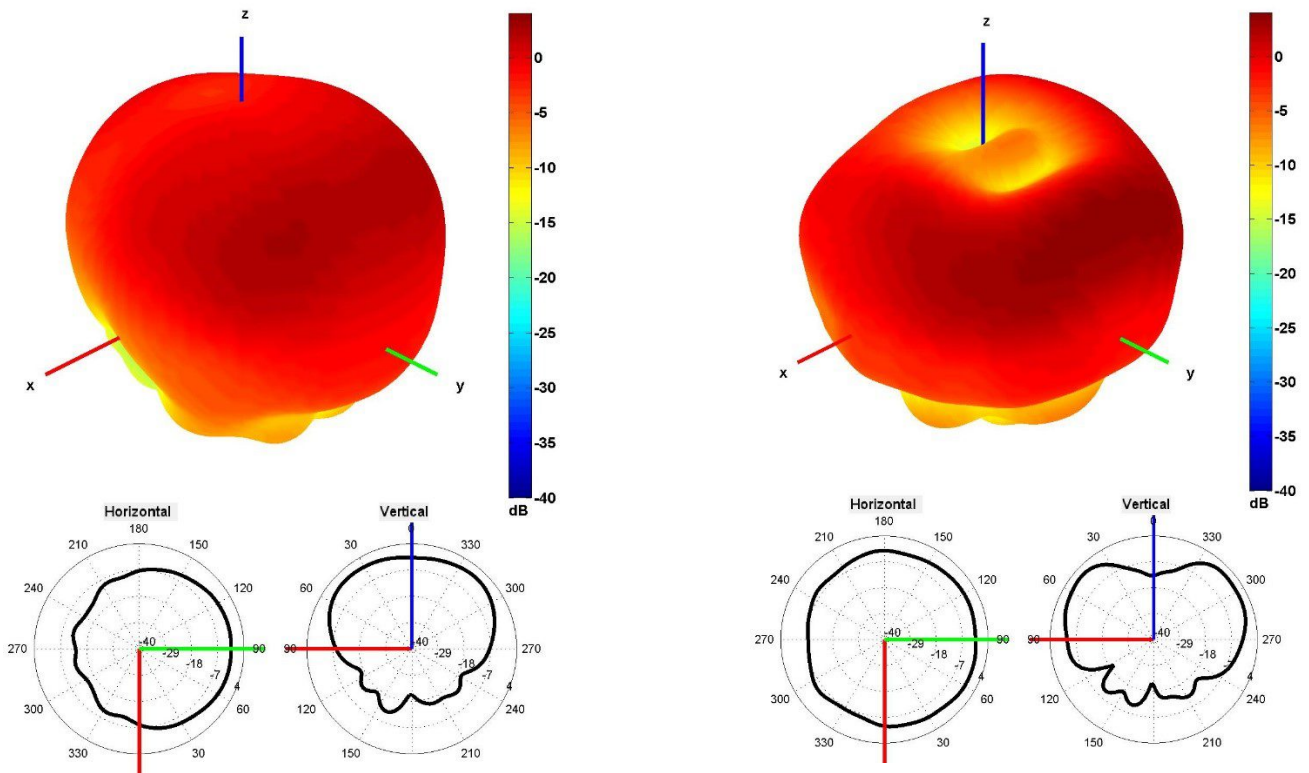
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

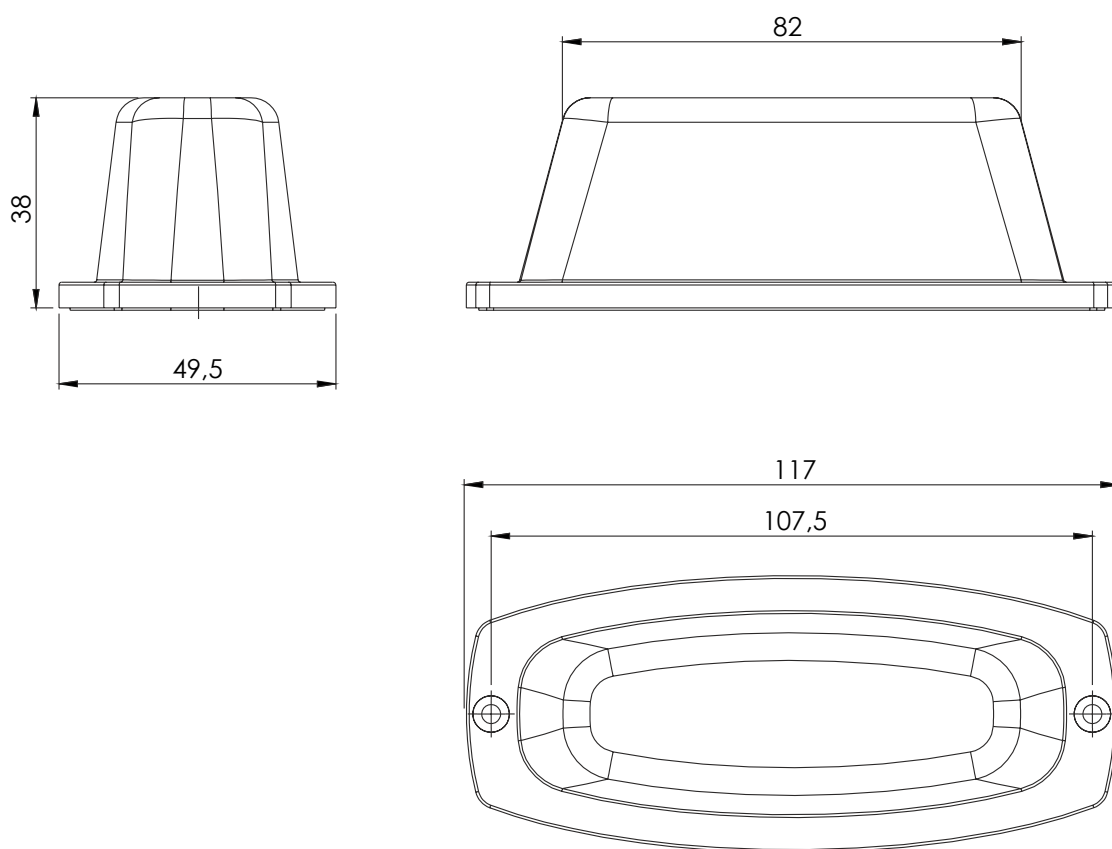


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

