

P8 A INT1

CELLULAR / LTE Magnetic Mount

Key Features

CELLULAR / LTE

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

Magnetic Mount High

Performance Ground

Plane Dependent

Customizable Cable and Connector

Dimensions \varnothing 31 x 72 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) | ~-13.4 | ~-14.1 | ~-18.1 |
| VSWR | ~1.9:1 | ~1.5:1 | ~1.3:1 |
| Efficiency (%) | ~47 | ~39 | ~36 |
| Peak Gain (dBi) | ~1.0 | ~2.4 | ~2.1 |
| Average Gain (dB) | ~-3.3 | ~-4.1 | ~-4.5 |
| Impedance (Ohm) | 50 | | |
| Polarisation | Linear | | |
| Radiation Pattern | Omni-Directional | | |
| Max. Input Power (W) | 35 | | |
| Connector Type | SMA-Male Standard (Other Connectors Available) | | |
| Cable Length | 300 cm Standard (Any Cable Length Available) | | |
| Cable Type | LMR100 Standard (Other Cables Available) | | |

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Metal Plate

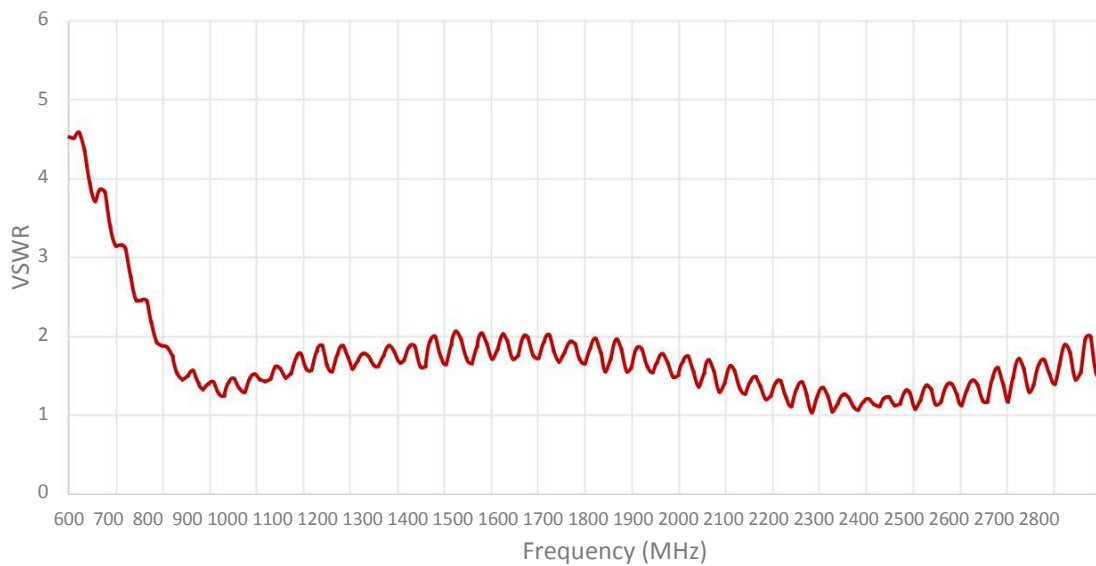
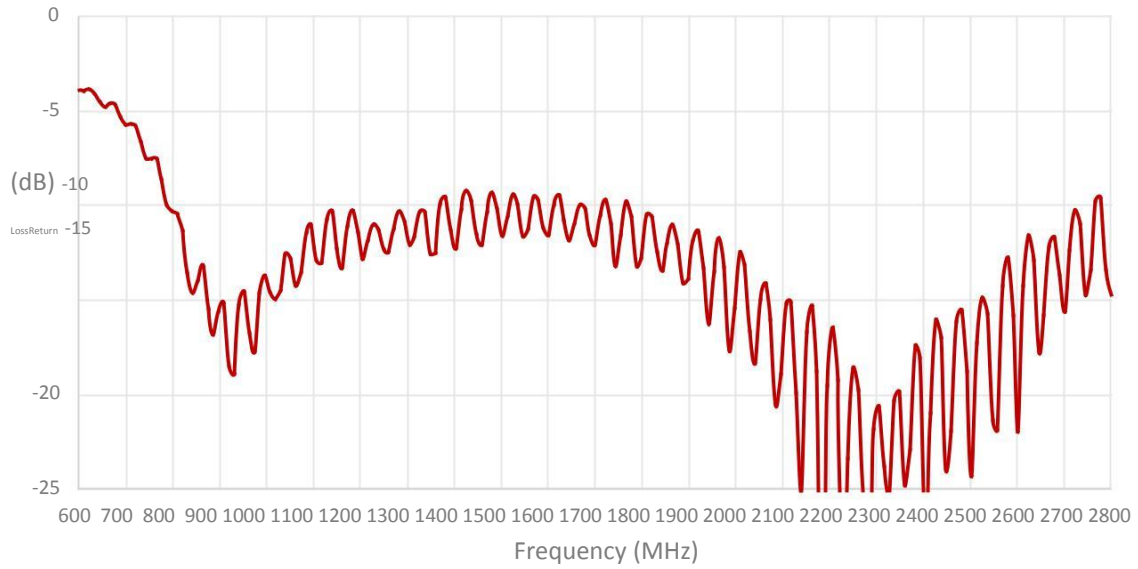
200 cm of Cable LMR100

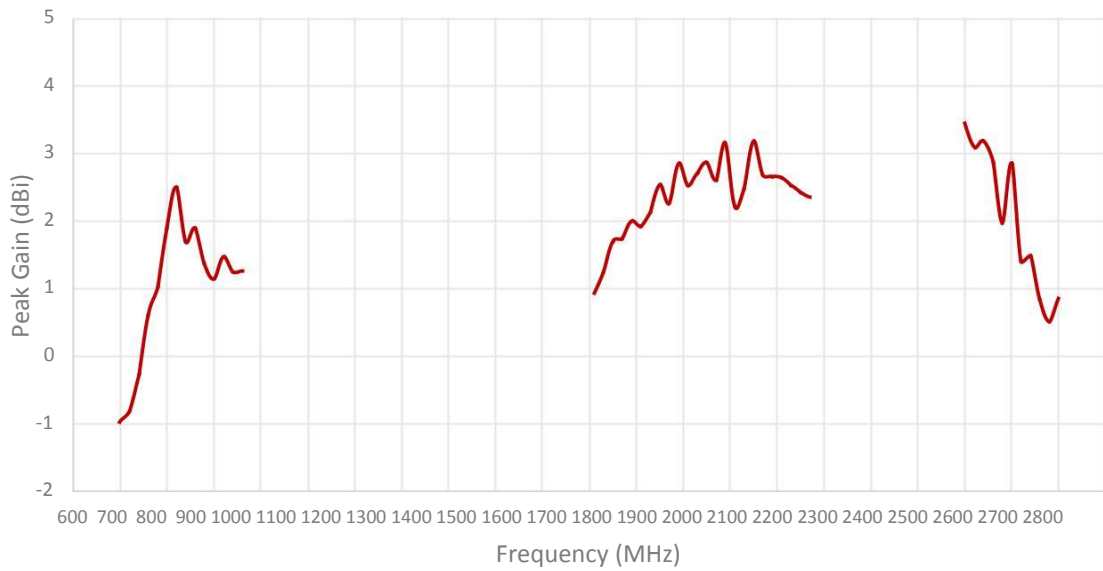
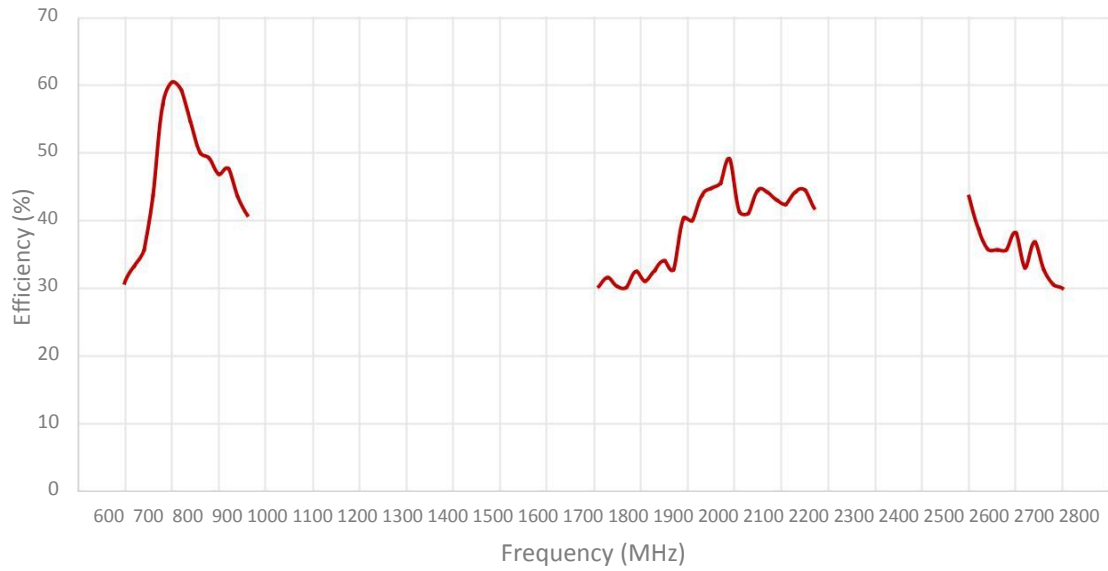
Measured in Certified CTIA 3D Anechoic Chamber

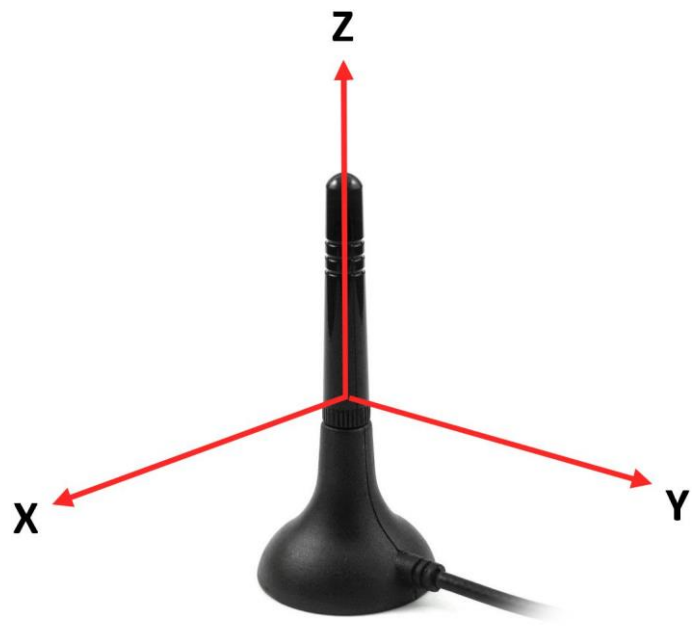
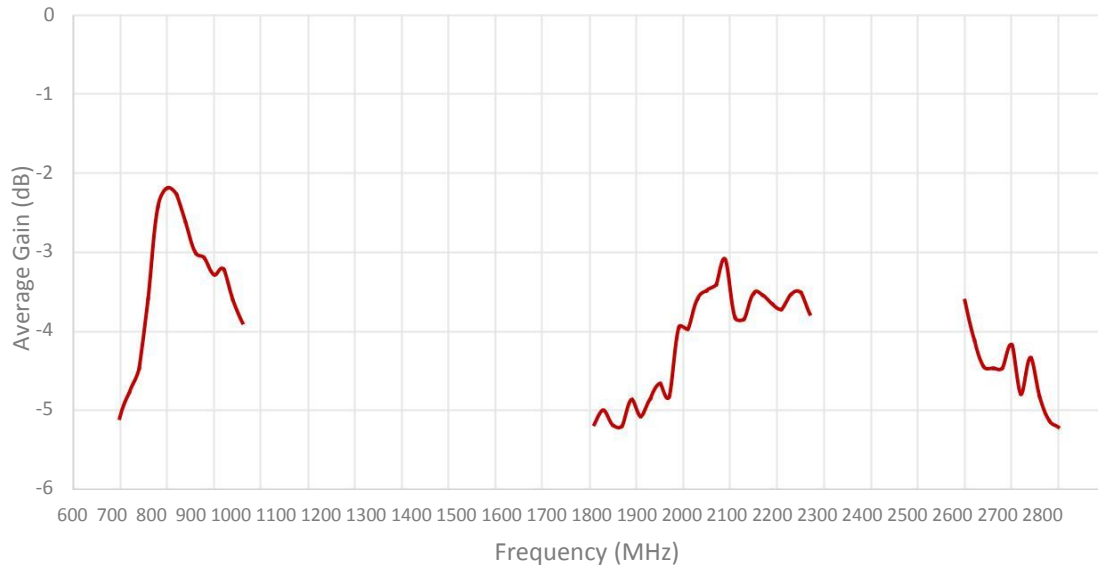
2. Mechanical and environmental specifications

| Specifications | P8 A INT2 |
|----------------------------------|----------------|
| Mounting Type | Magnetic Mount |
| Dimensions (mm) | Ø 31 × 72 |
| Radome color | Black |
| Antenna Base | PP |
| Whip Material | Brass |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Substance Compliance | RoHS |

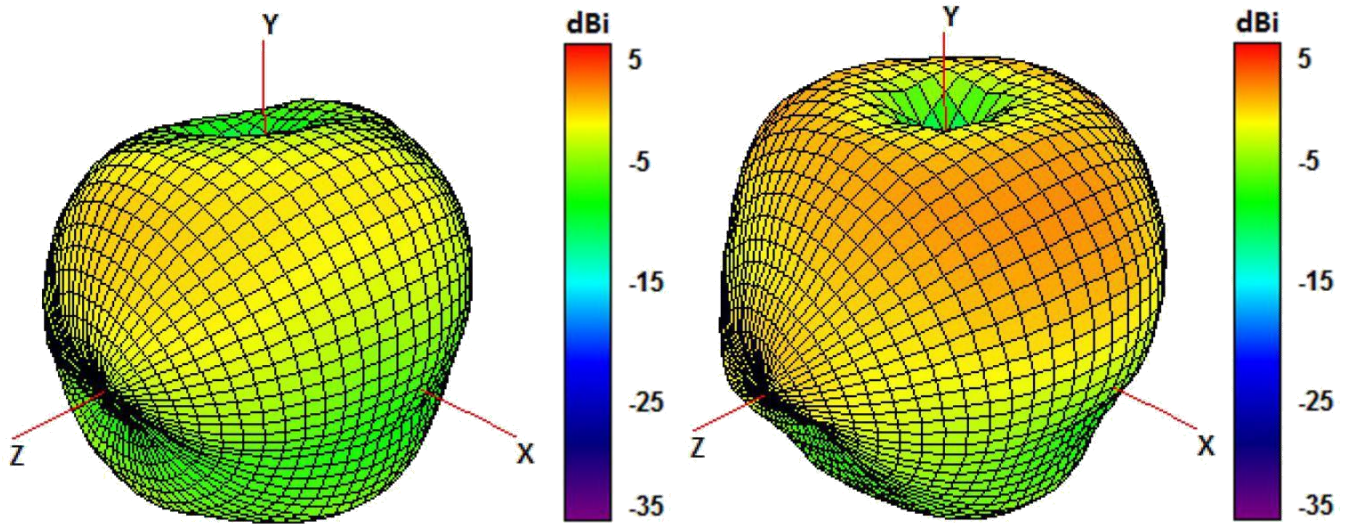
3. Antenna parameters



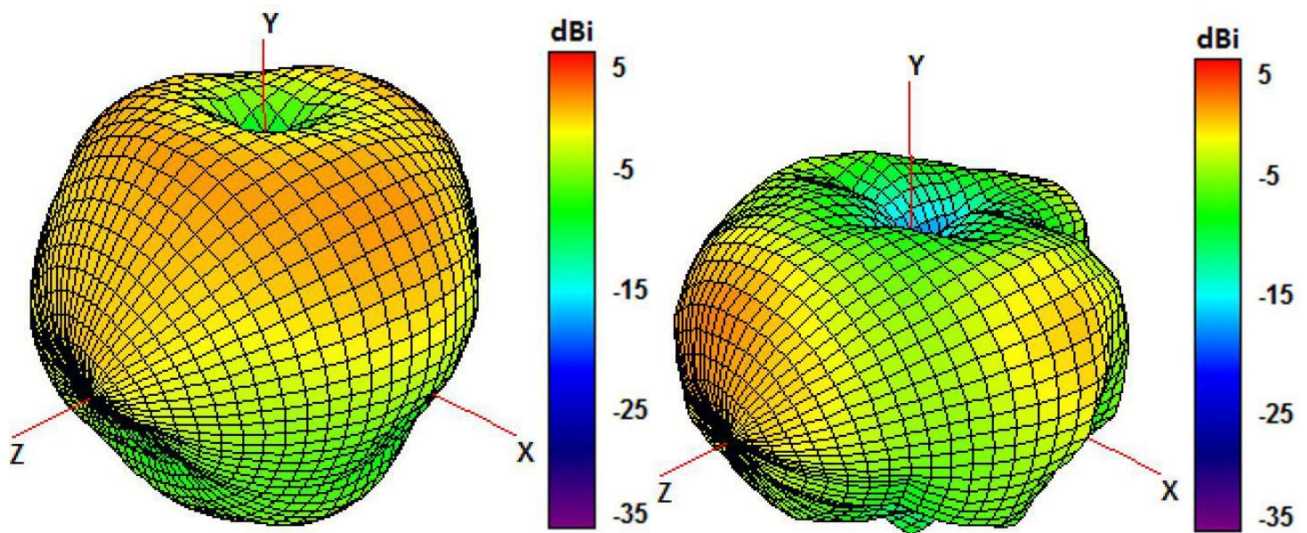




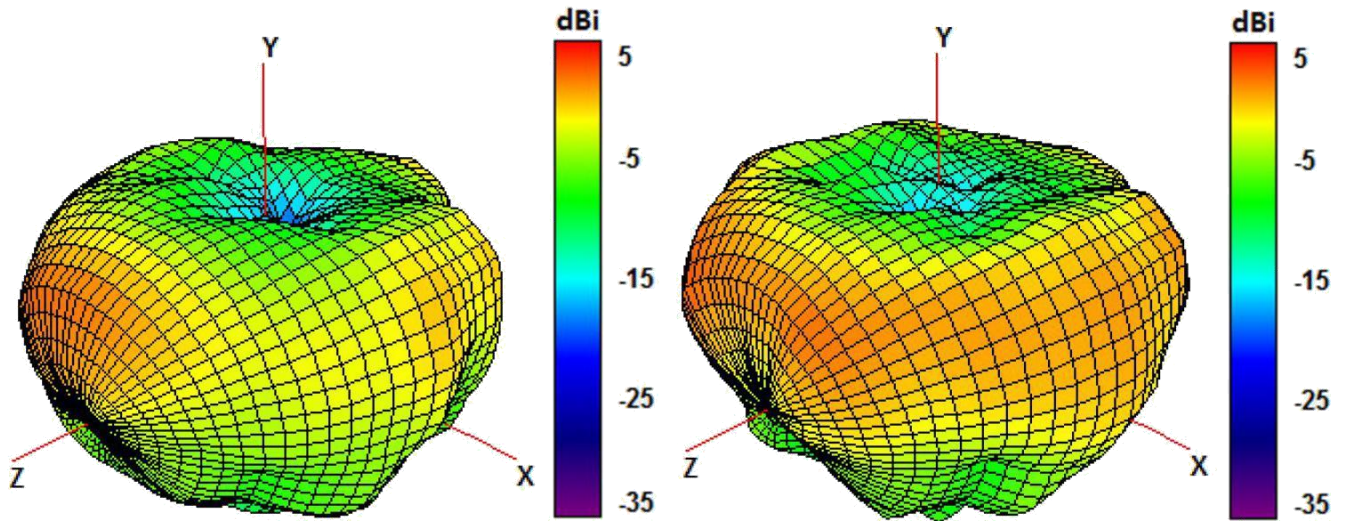
Radiation pattern reference



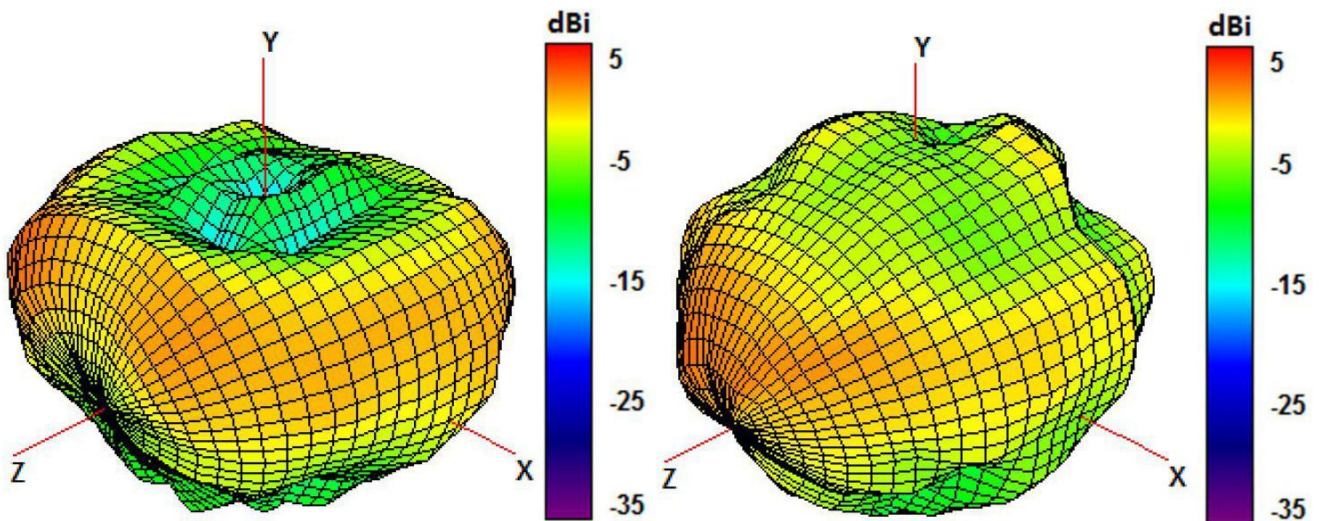
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

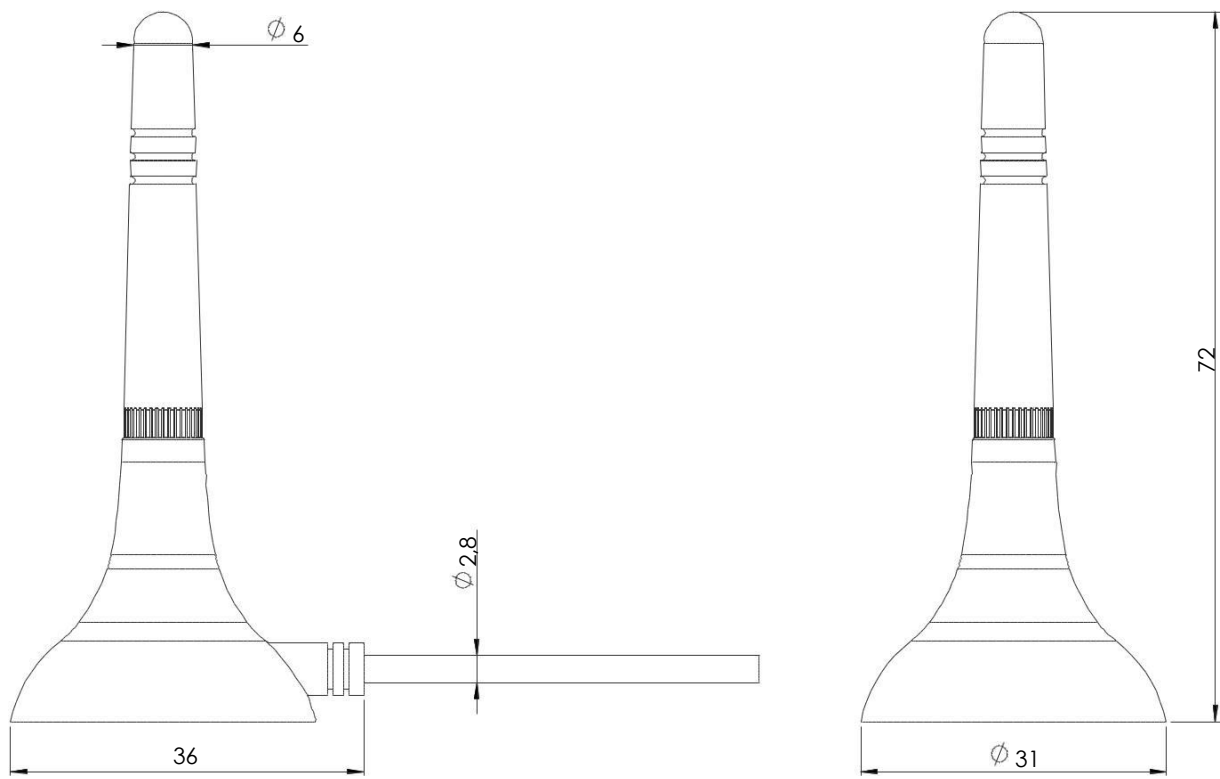


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

