

AMC-ANT-2JW0124-C868B

4G LTE connector mount blade antenna

Features

- Cellular/LTE:
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Connector mount
- Ultra-wide band antenna
- High performance
- Ground plane independent
- Hinged connector
- Dimensions: 171 x 38 x 13.8mm



1. Antenna and electrical specifications

| Parameters | Cellular/LTE antenna | | |
|----------------------|---|---------------------|-------------|
| Standards | 2G/3G/4G | | |
| Technologies | GSM, CDMA, DCS, PCS, GPRS, WCDMA, UMTS, HSPA, EVDO, LTE | | |
| Band (MHz) | 700/850/900 | 1700/1800/1900/2100 | 2600 |
| Frequency (MHz) | 698 - 960 | 1710 - 2170 | 2500 - 2700 |
| Return loss (dB) | ~-7.7 | ~-12.7 | ~-8.5 |
| VSWR | ~2.4:1 | ~1.6:1 | ~2.2:1 |
| Efficiency (%) | ~62 | ~75 | ~50 |
| Peak gain (dBi) | ~0.4 | ~2.6 | ~1.3 |
| Average gain (dB) | ~-2.1 | ~-1.3 | ~-3.0 |
| Impedance (Ohms) | 50 | | |
| Polarisation | Linear | | |
| Radiation pattern | Omni-Directional | | |
| Max. input power (W) | 25 | | |
| Connector type | SMA male | | |

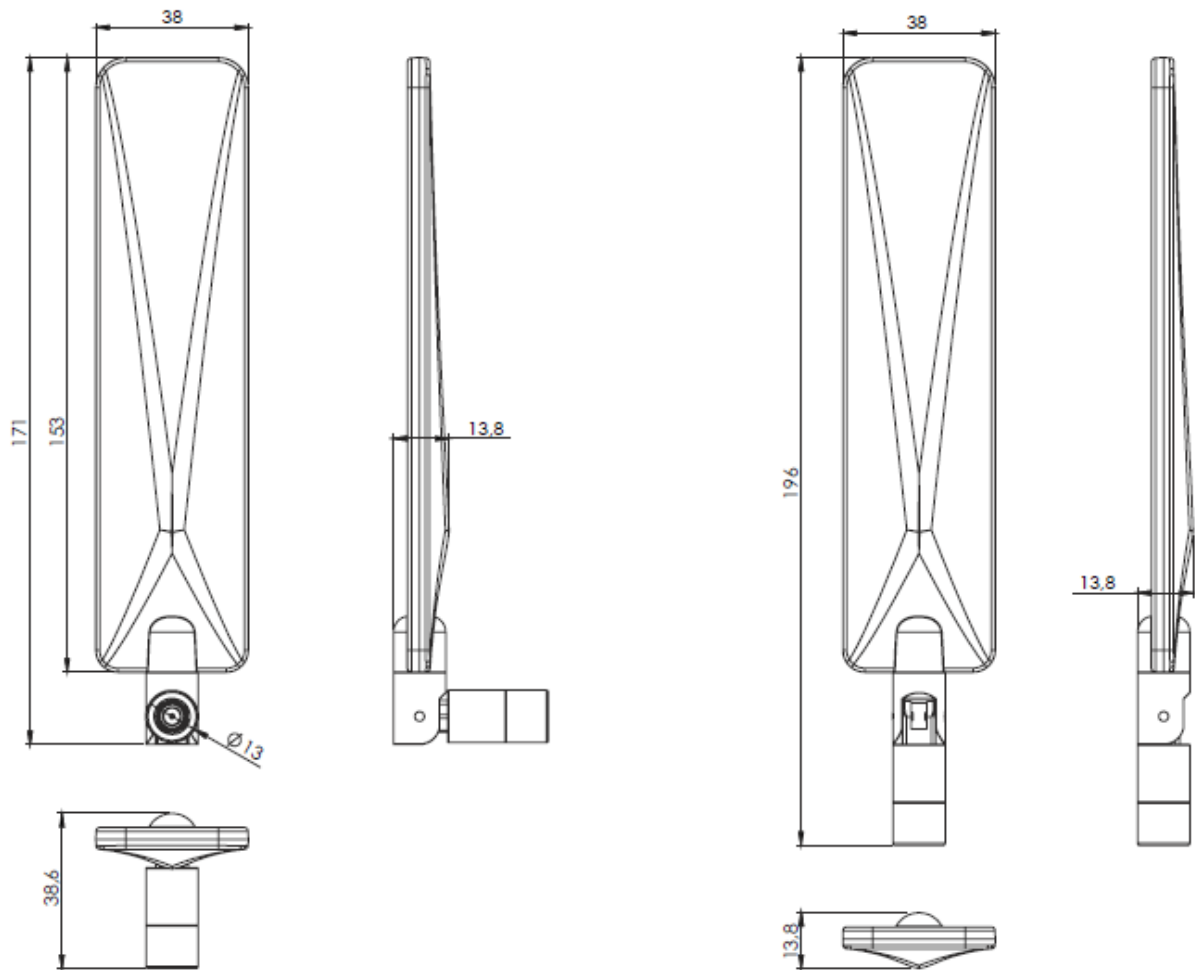
Measurement conditions:

- Free space
- Measured in certified CTIA 3D Anechoic chamber

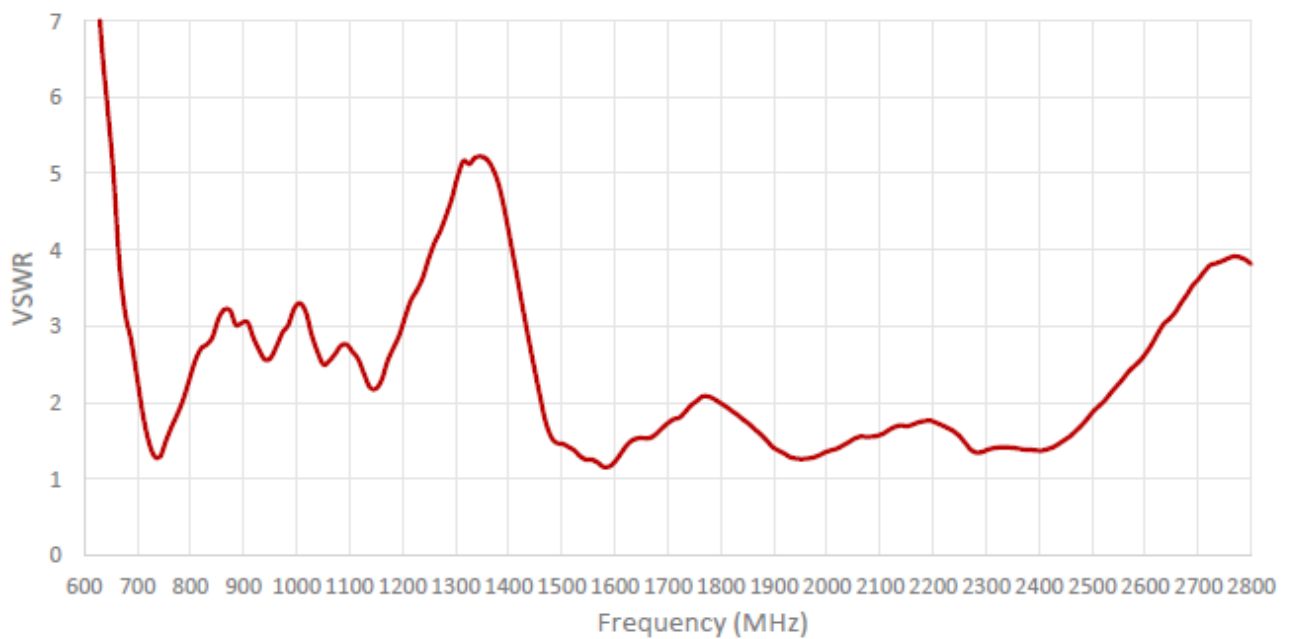
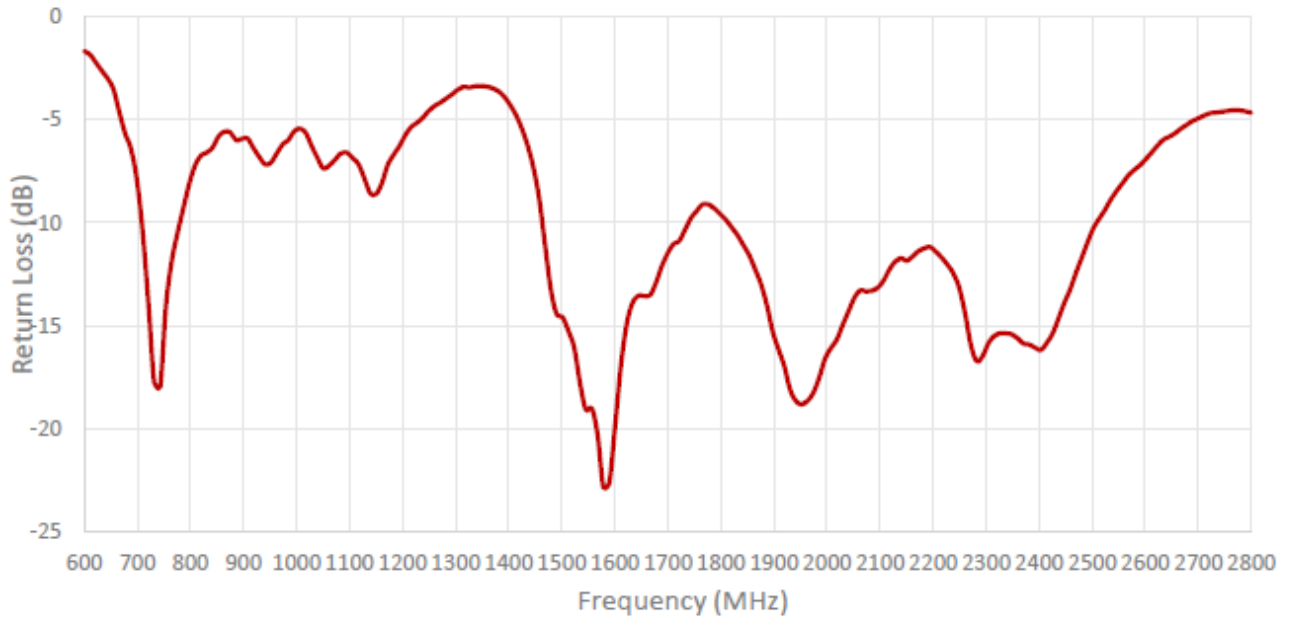


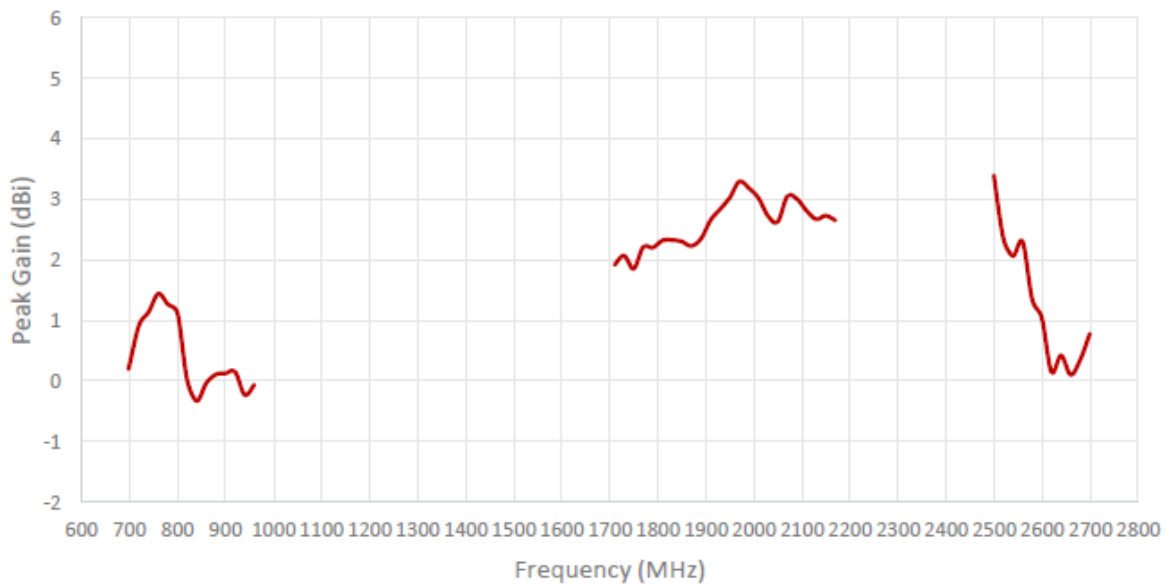
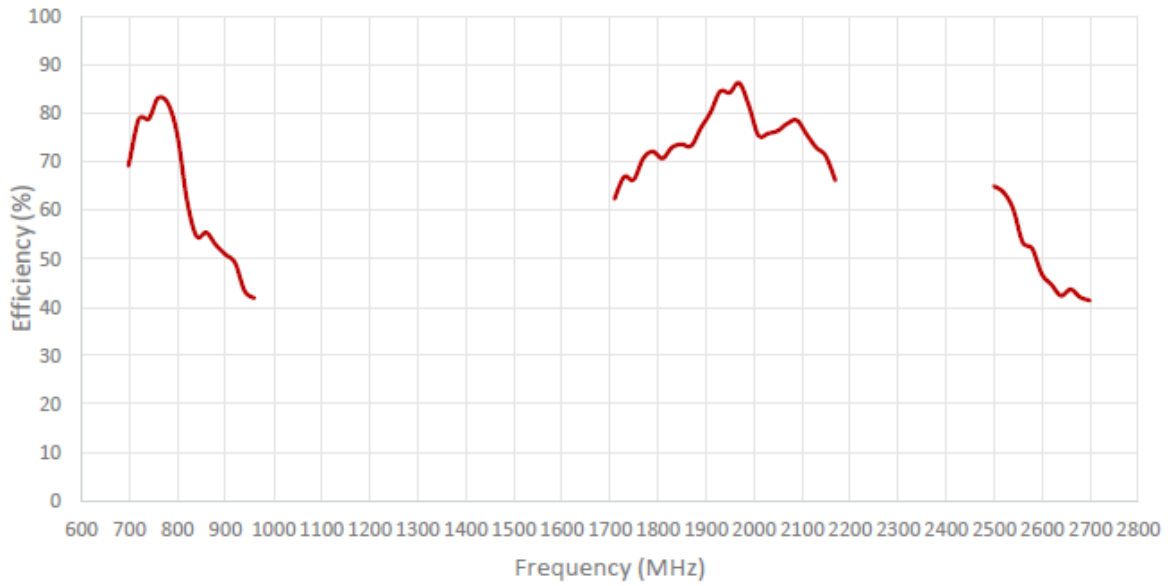
2. Mechanical and environmental specifications

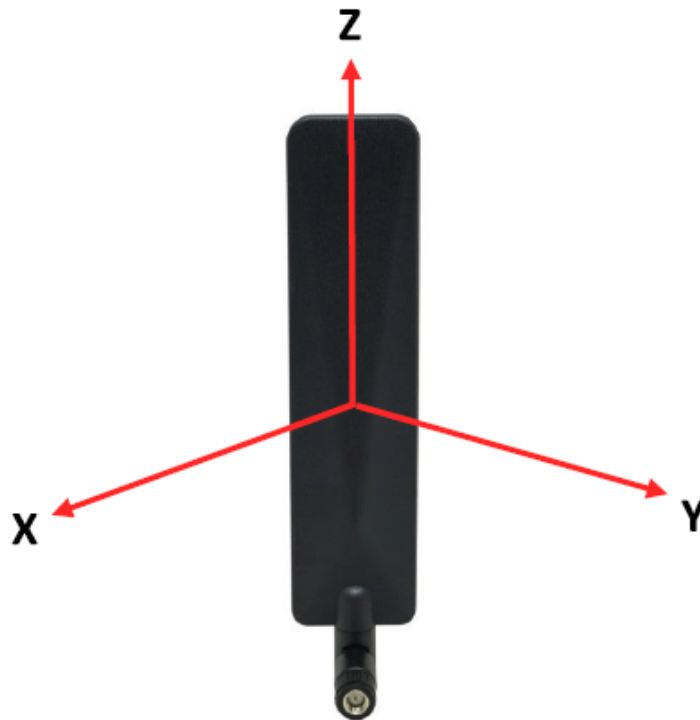
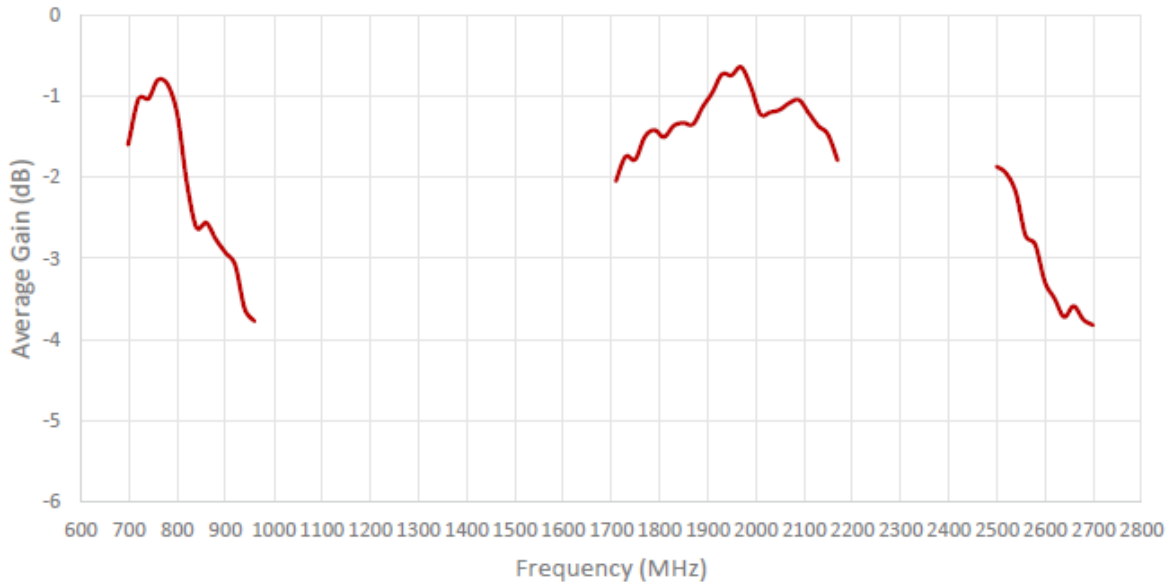
| | |
|-----------------------------------|------------------|
| Mounting type | Connector mount |
| Dimensions (mm) | 171 x 38 x 13.8 |
| Radome | PC/ABS UV stable |
| Radome colour | Black |
| Operating temperature (°C) | -40 to +85 |
| Storage temperature (°C) | -40 to +85 |
| Substance compliance | RoHS & REACH |



3. Antenna Parameters

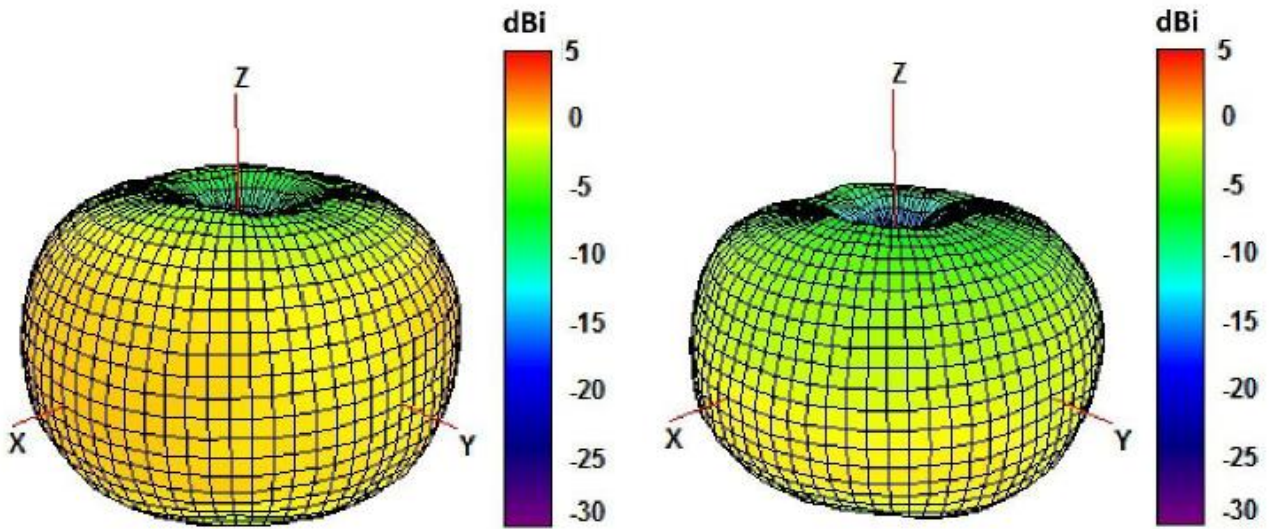




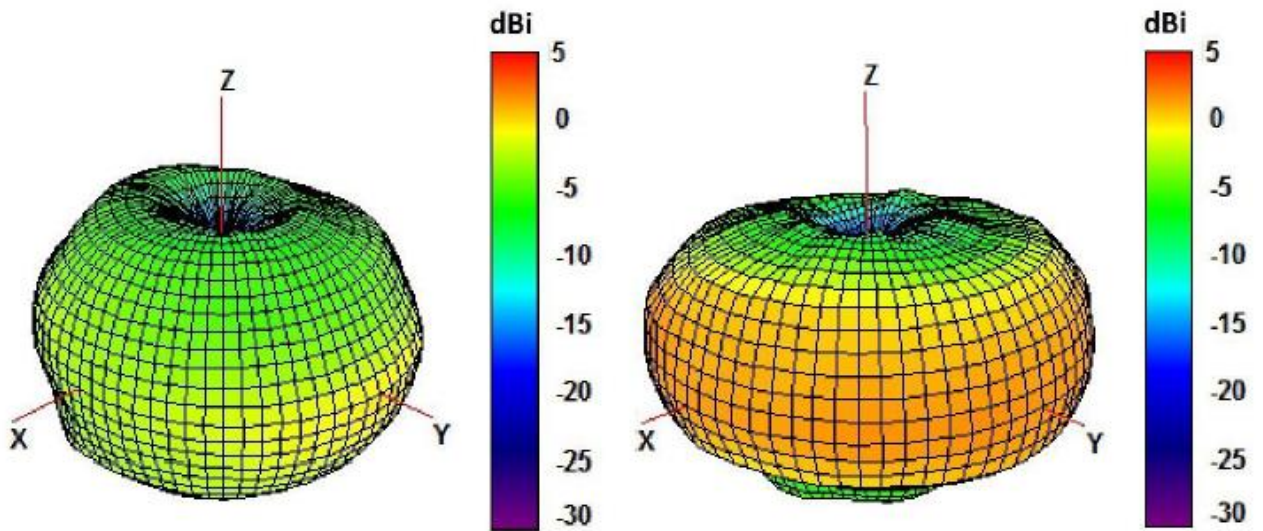


Radiation pattern reference



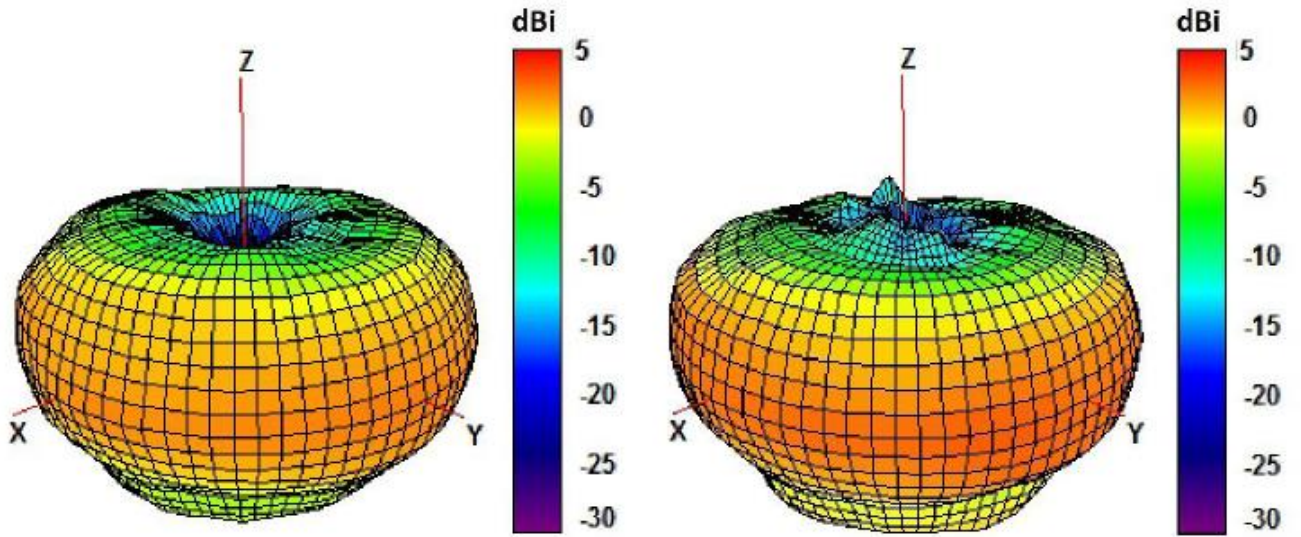


750 and 850 MHz Radiation pattern

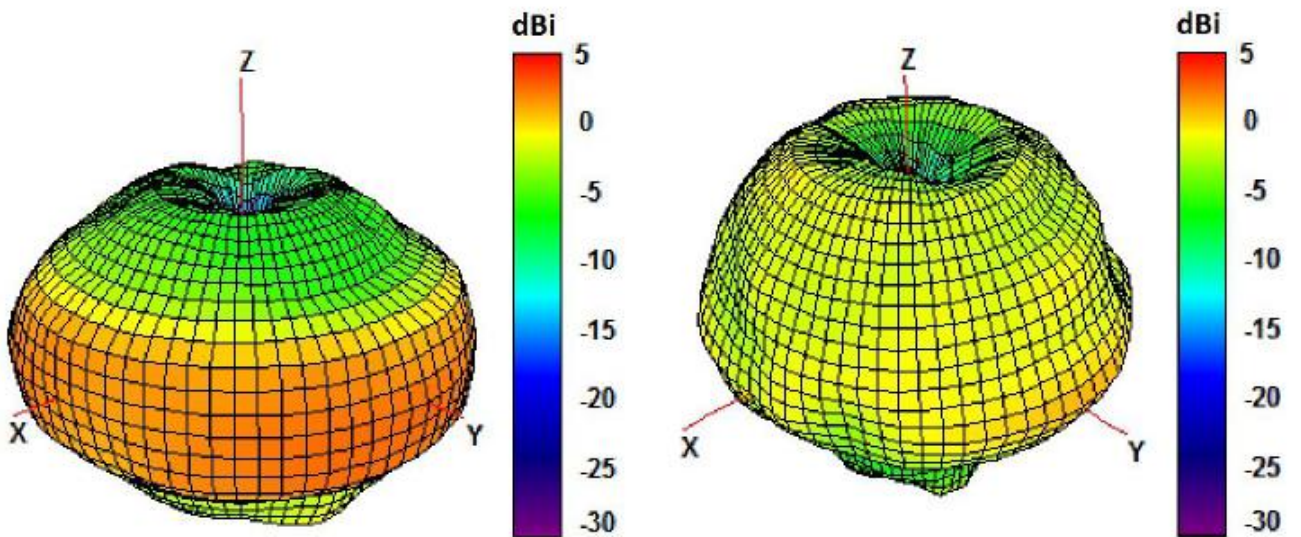


940 and 1750 MHz Radiation pattern





1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

