

AMC-ANT-2J6024M

4G LTE magnetic mount antenna

Features

- Cellular/LTE:
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Magnetic mount
- Ground plane independent
- Low profile
- Dimensions: 80 x 76 x 13mm
- Customisable cable and connector



1. Antenna and electrical specifications

| Parameters | Cellular/LTE antenna | | |
|----------------------|--|---------------------|-------------|
| Standards | 2G/3G/4G | | |
| Band (MHz) | 700/850/900 | 1700/1800/1900/2100 | 2600 |
| Frequency (MHz) | 698 - 960 | 1710 - 2170 | 2500 - 2700 |
| Return loss (dB) | ~-10.0 | ~-7.8 | ~-9.7 |
| VSWR | ~2.2:1 | ~2.6:1 | ~2.1:1 |
| Efficiency (%) | ~25.3 | ~20.2 | ~36.1 |
| Peak gain (dBi) | ~-0.7 | ~1.7 | ~4.4 |
| Average gain (dB) | ~-6.1 | ~-7.1 | ~-4.4 |
| Impedance (Ohms) | 50 | | |
| Polarisation | Linear | | |
| Radiation pattern | Omni-Directional | | |
| Max. input power (W) | 25 | | |
| Connector Type | SMA male standard (other connectors available) | | |
| Cable Length | 3 metres standard (other lengths available) | | |
| Cable Type | DACAR 302 standard (other cables available) | | |

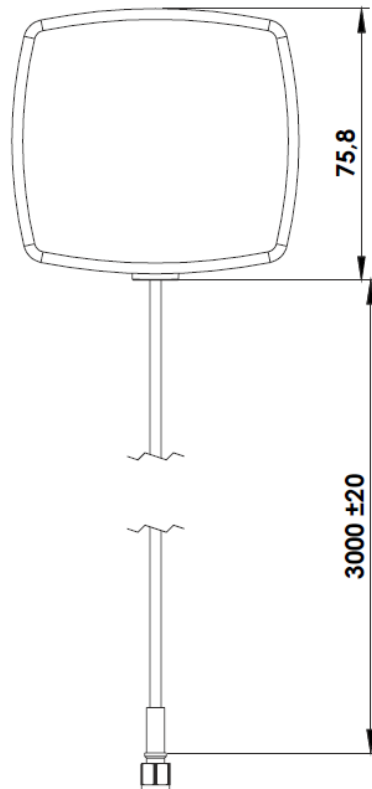
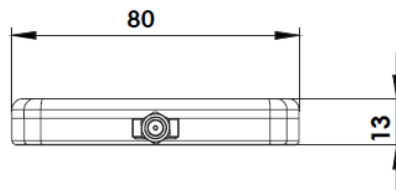
Measurement conditions:

- Mounted on 30 x 30 x 0.25cm metal plate
- 2 metres DACAR 302 cable
- Measured in certified CTIA 3D Anechoic chamber

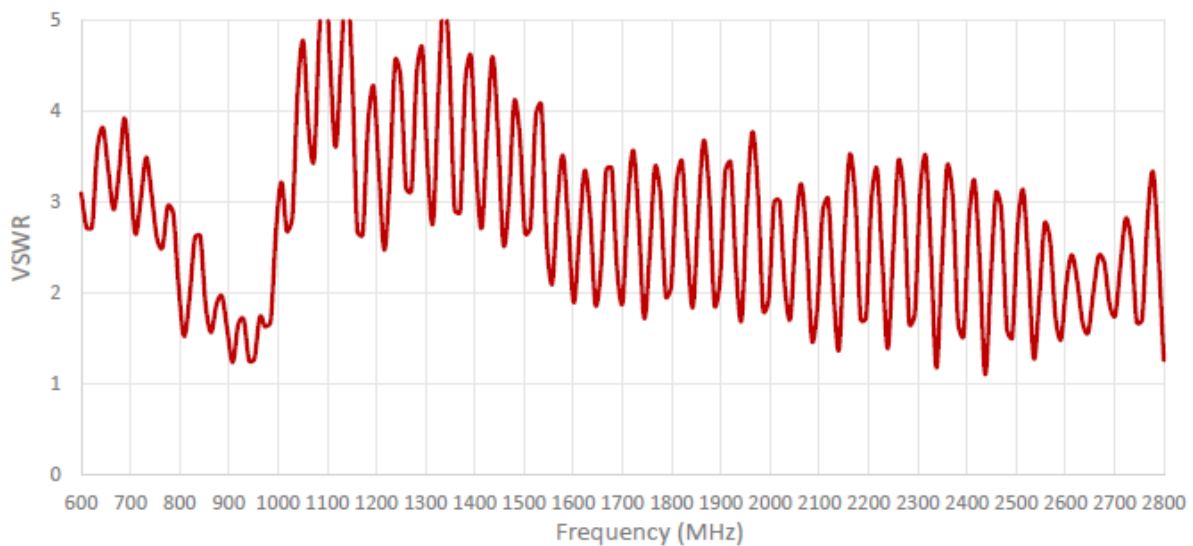
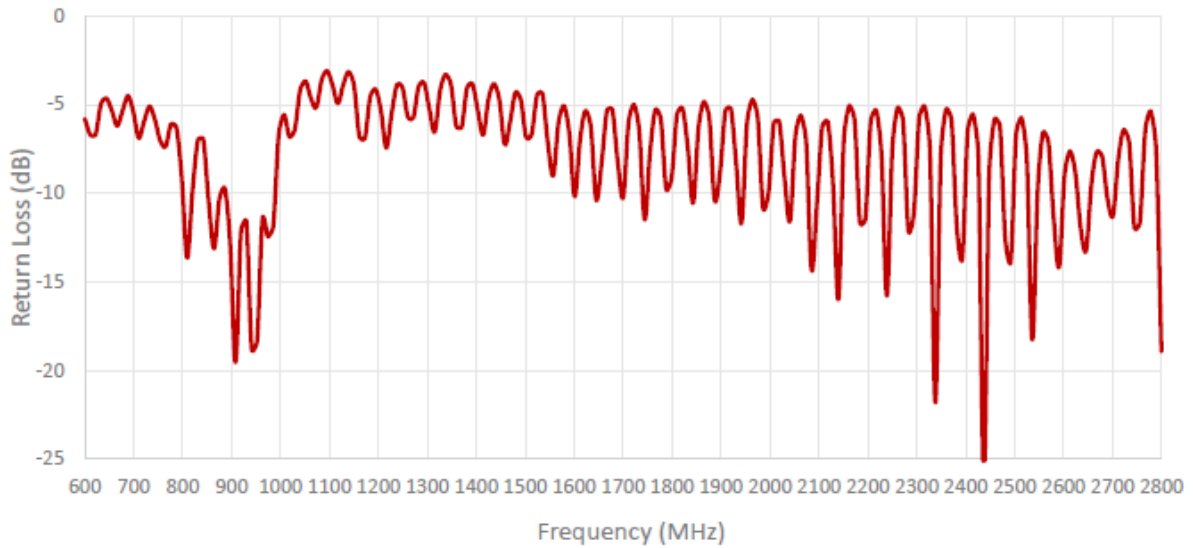


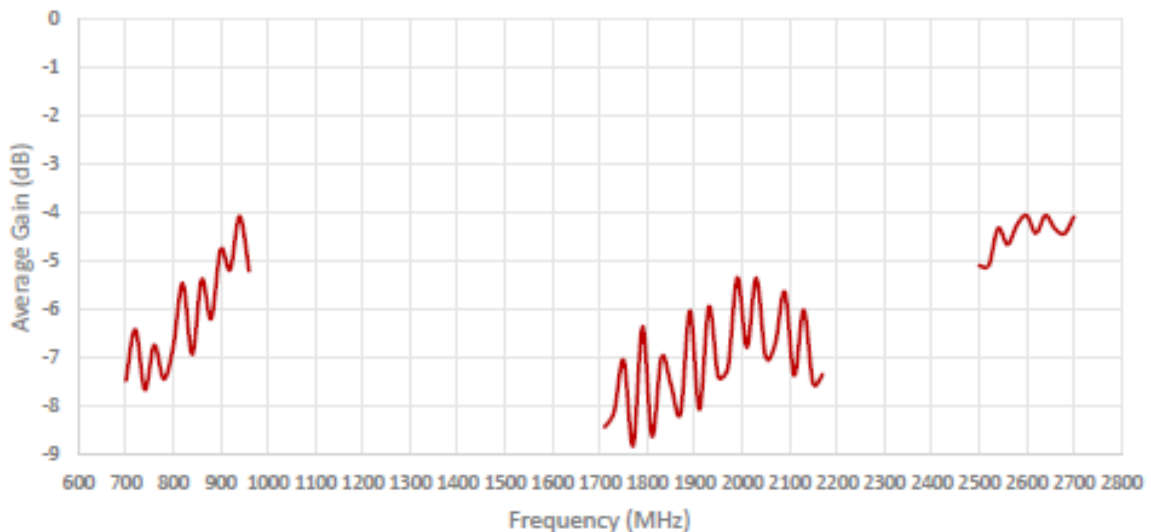
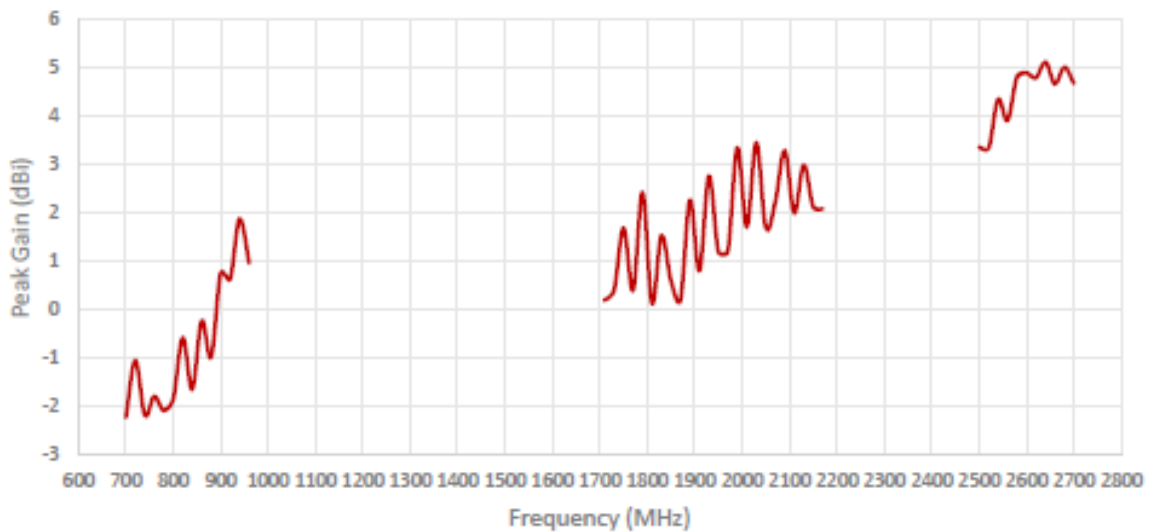
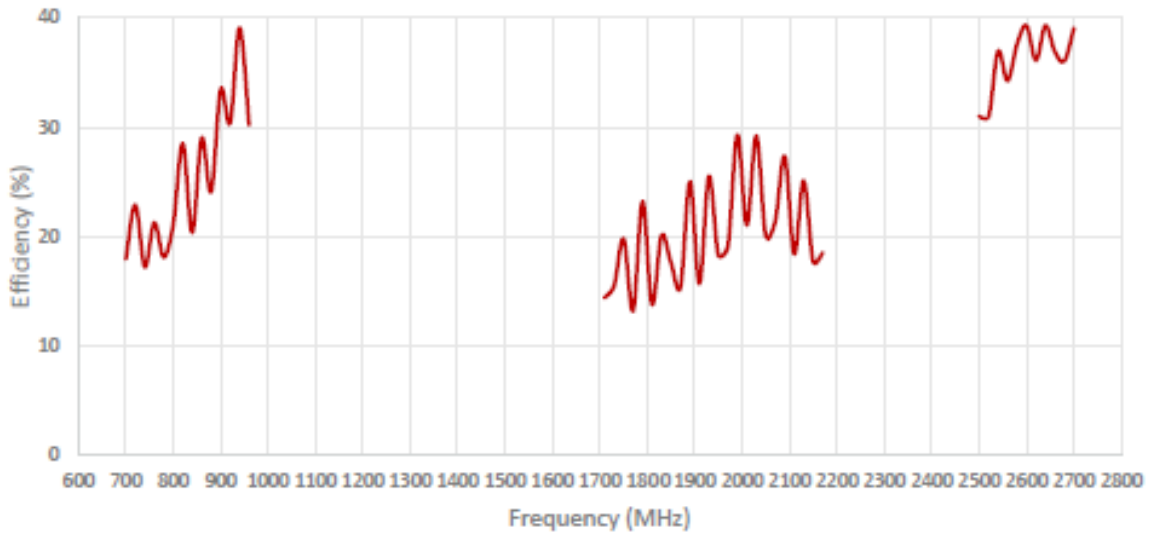
2. Mechanical and environmental specifications

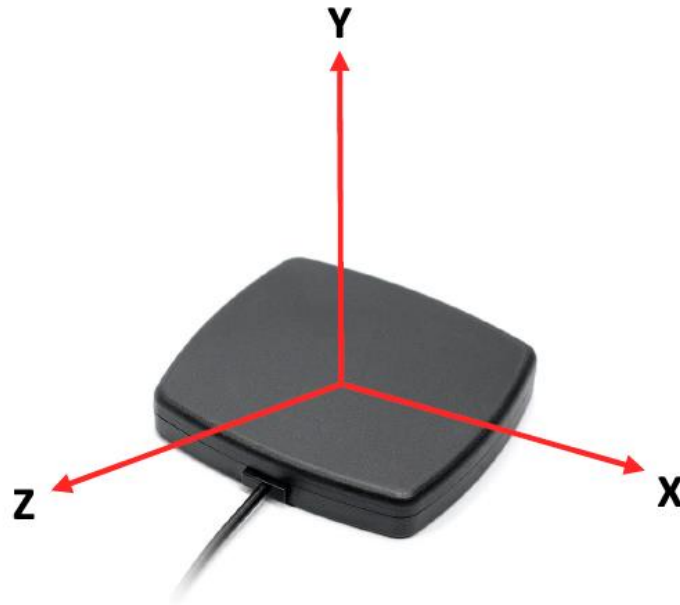
| | |
|-----------------------------------|----------------|
| Mounting type | Magnetic mount |
| Dimensions (mm) | 80 x 76 x 13 |
| Radome | ABS UV stable |
| Radome Colour | Black |
| Operating temperature (°C) | -40 to +85 |
| Storage temperature (°C) | -40 to +85 |
| Substance compliance | RoHS |



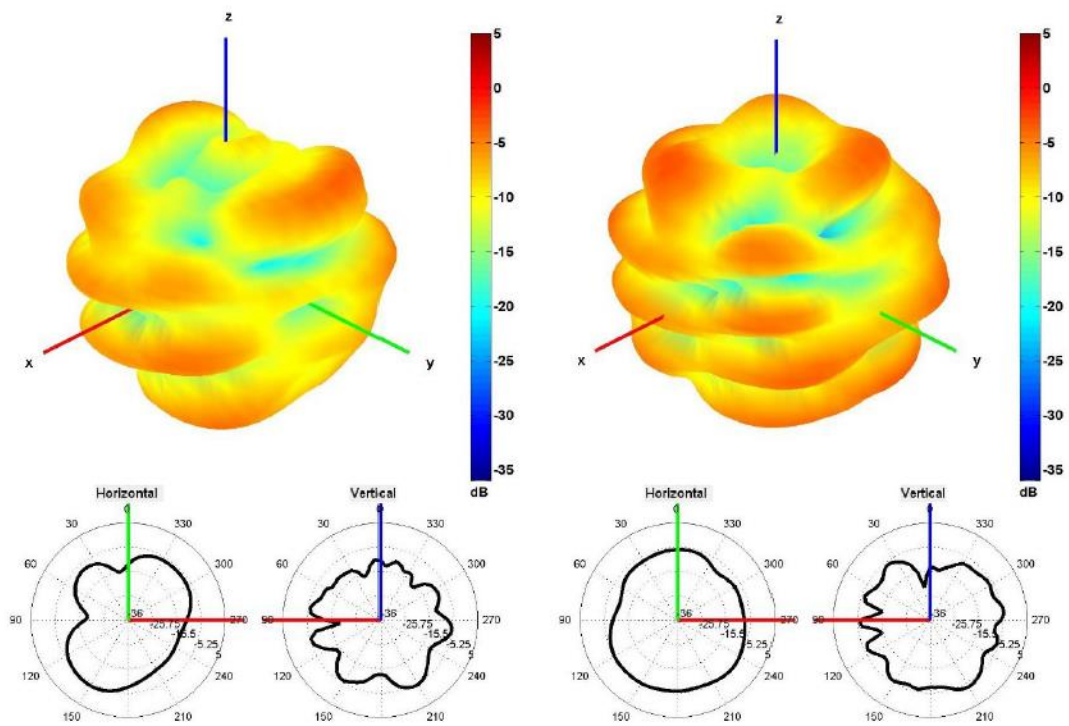
3. Antenna parameters





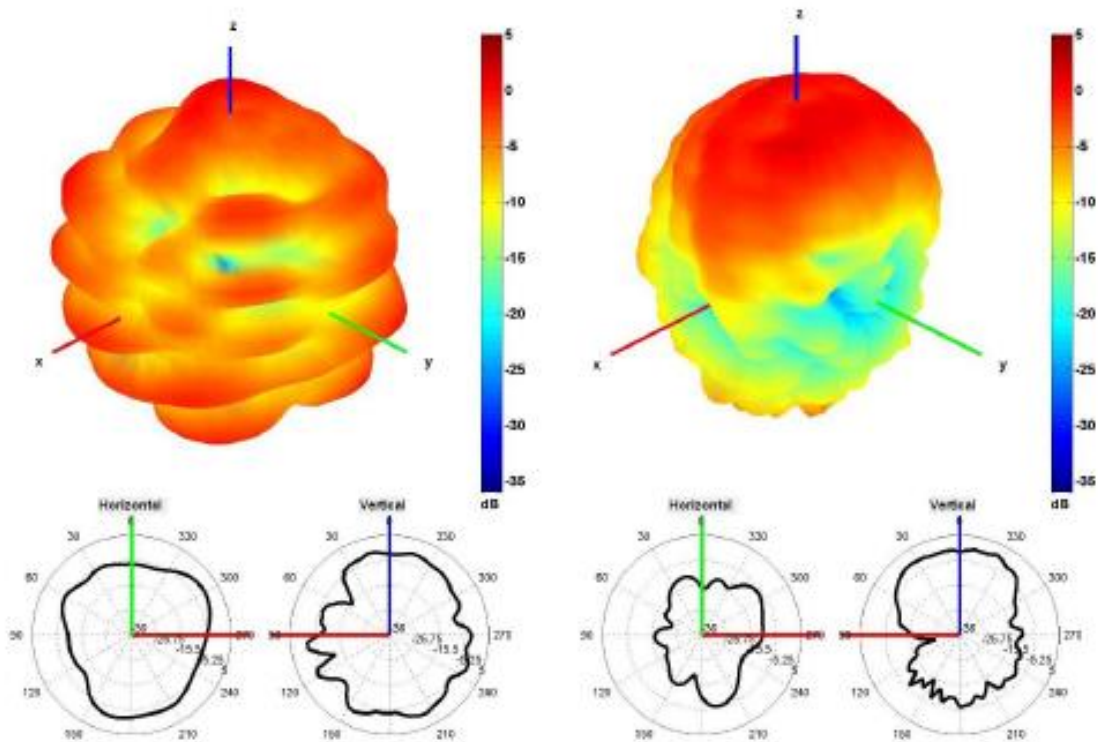


Radiation pattern reference

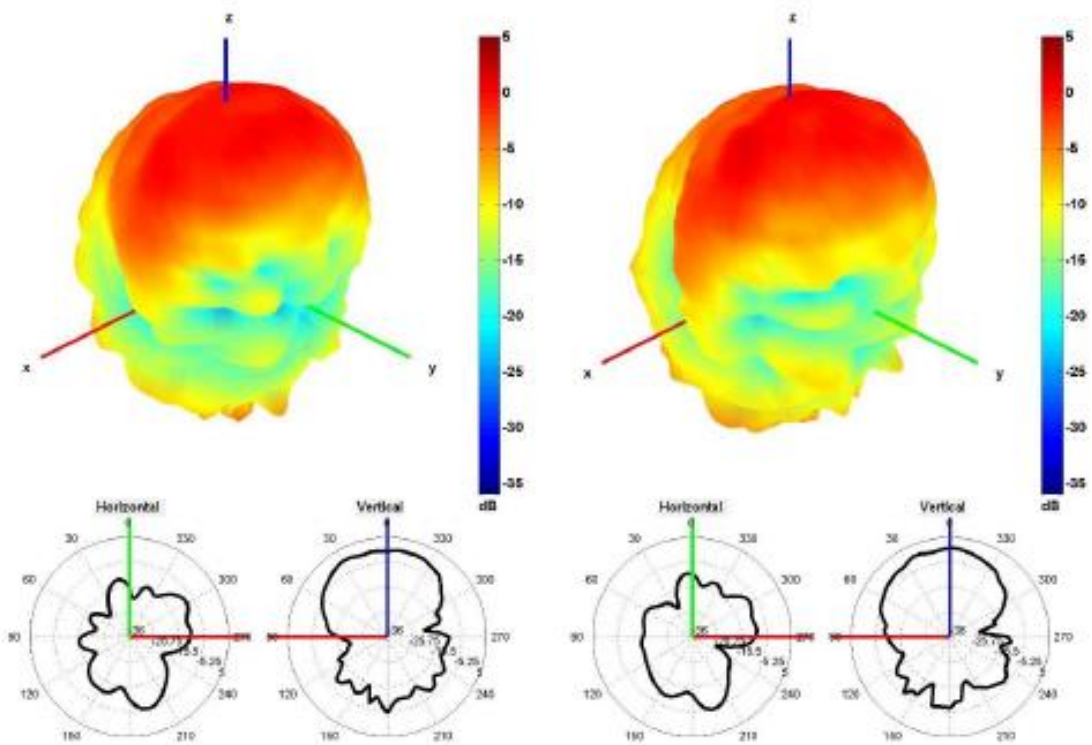


750 and 850 MHz Radiation pattern



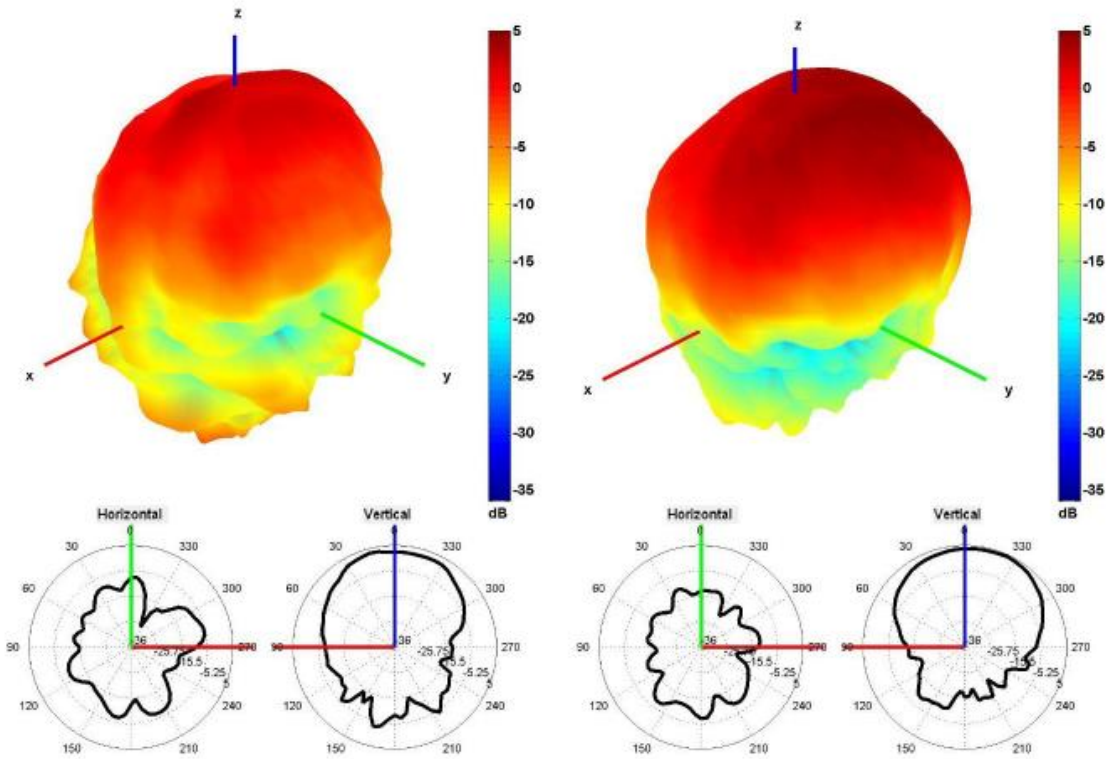


940 and 1750 MHz Radiation pattern



1850 and 1950 MHz Radiation pattern





2100 and 2600 MHz Radiation pattern

