

T209120 Puck 2G/3G

CELLULAR Screw Mount

Key Features

CELLULAR

- 824-960 MHz

- 1710-2170 MHz

Screw Mount

Anti-Rotation Mechanism

Ground Plane Independent

Customizable Cable and Connector

Dimensions \varnothing 77.3 x 15 mm

Certificates: IP67, IP69



1. Antenna and electrical specifications

| Parameters | CELLULAR Antenna | |
|-----------------------------|---------------------------------------|---------------------|
| Standards | 2G/3G | |
| Band (MHz) | 850/900 | 1700/1800/1900/2100 |
| Frequency (MHz) | 824-960 | 1710-2170 |
| Return Loss (dB) | ~-7.4 | ~-11.5 |
| VSWR | ~2.8:1 | ~1.8:1 |
| Efficiency (%) | ~20.0 | ~25.6 |
| Peak Gain (dBi) | ~-2.8 | ~-0.1 |
| Average Gain (dB) | ~-7.8 | ~-6.1 |
| Impedance (Ohm) | 50 | |
| Polarisation | Linear | |
| Radiation Pattern | Omni-Directional | |
| Max. Input Power (W) | 25 | |
| Connector Type | SMA-Male (Other Connectors Available) | |
| Cable Length | 250 cm (Any Cable Length Available) | |
| Cable Type | RG174 (Other Cables Available) | |

Antenna Measurement Conditions:

Mounted on Ground Plane of 30x30 cm

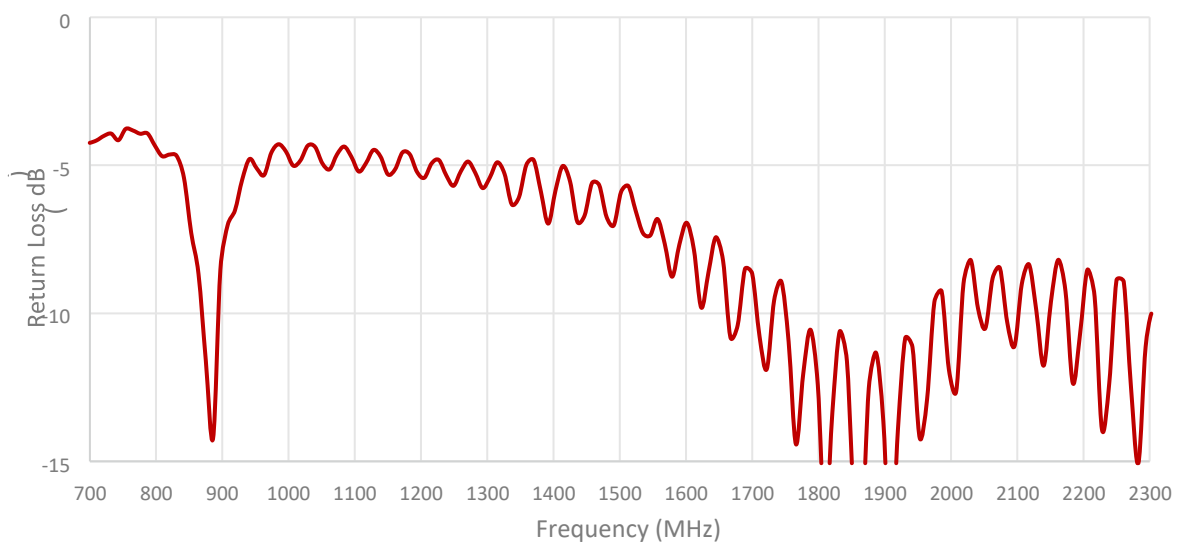
200 cm of RG174 Cable

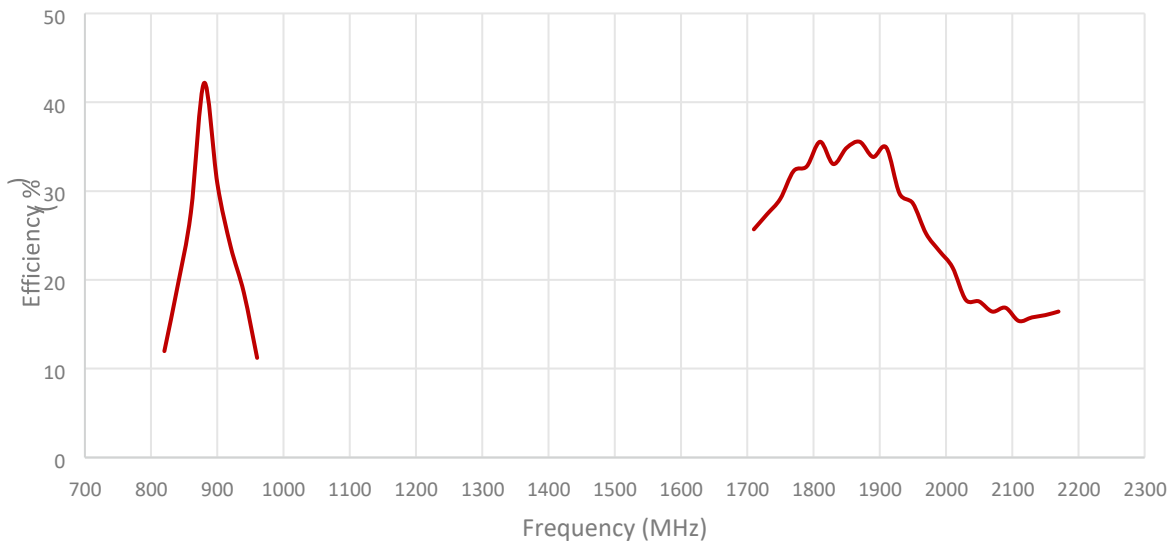
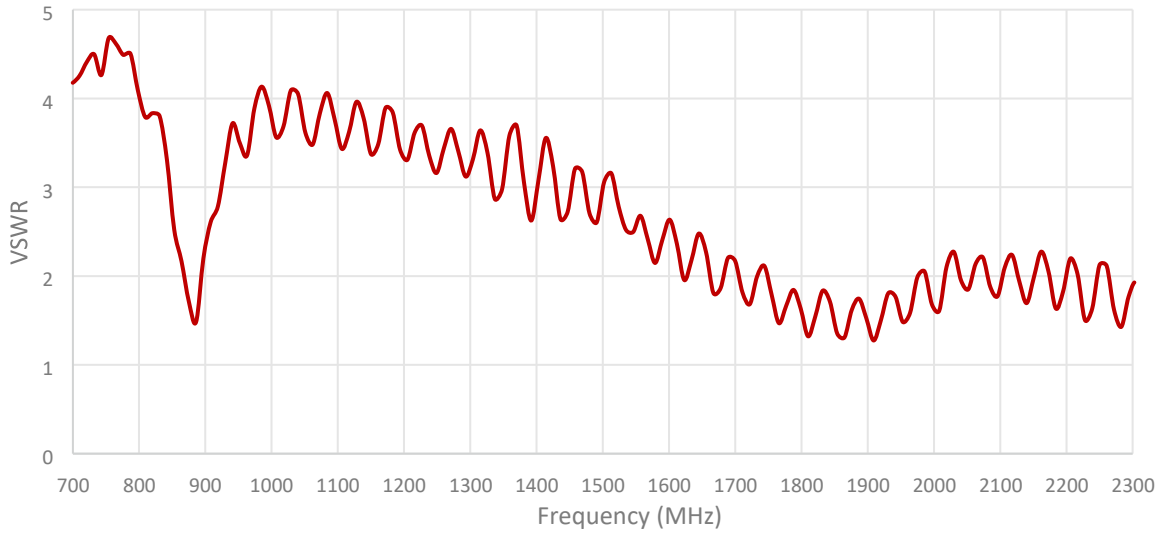
Measured in Certified CTIA 3D Anechoic Chamber

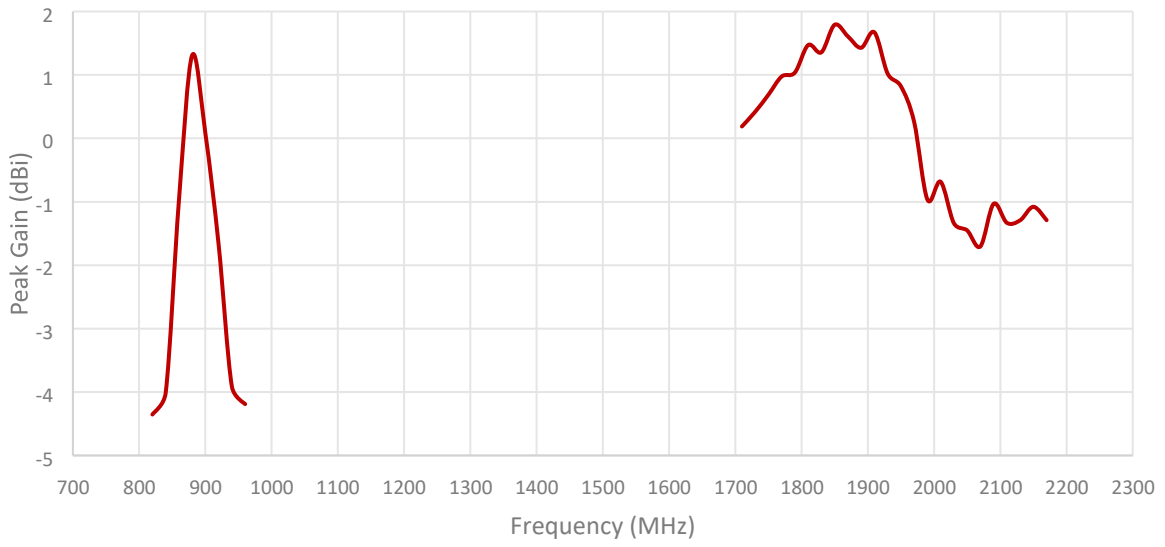
2. Mechanical and environmental specifications

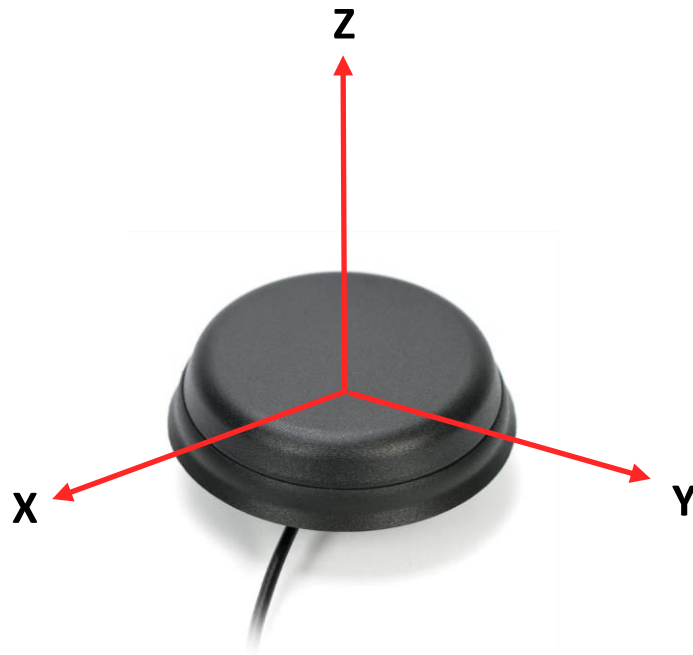
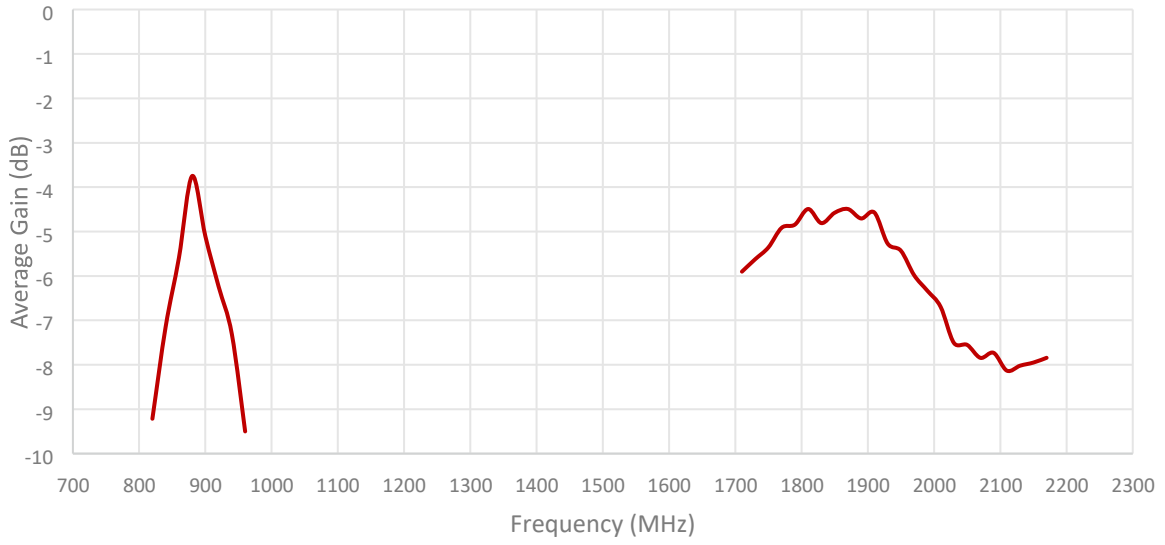
| Specifications | T209120 |
|---------------------------|-------------|
| Mounting Type | Screw Mount |
| Dimensions (mm) | Ø 77.3 x 15 |
| Max. Tighten Torque (Nm) | 6 Nm |
| Radome | ASA |
| Radome color | Black |
| Antenna Base | Zamak |
| Gasket | TPE |
| Operating Temperature (C) | -40 to +85 |
| Storage Temperature (C) | -40 to +85 |
| Substance Compliance | RoHS |
| Certificates | IP67, IP69K |

3. Antenna parameters

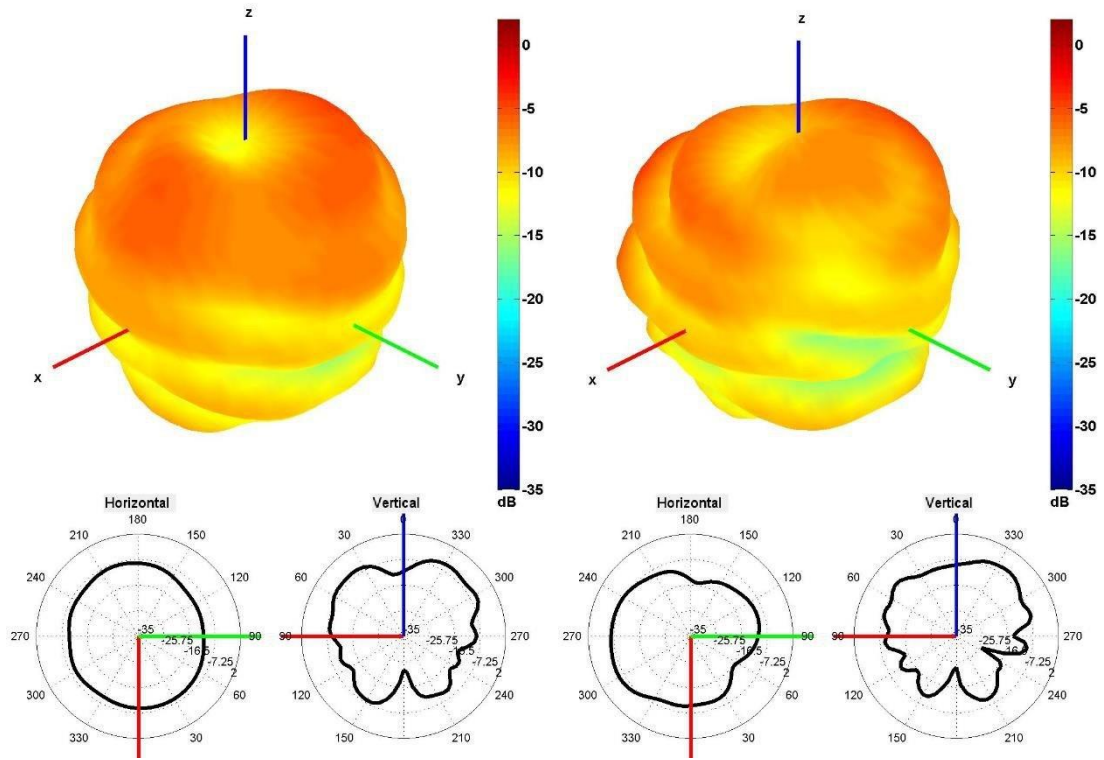




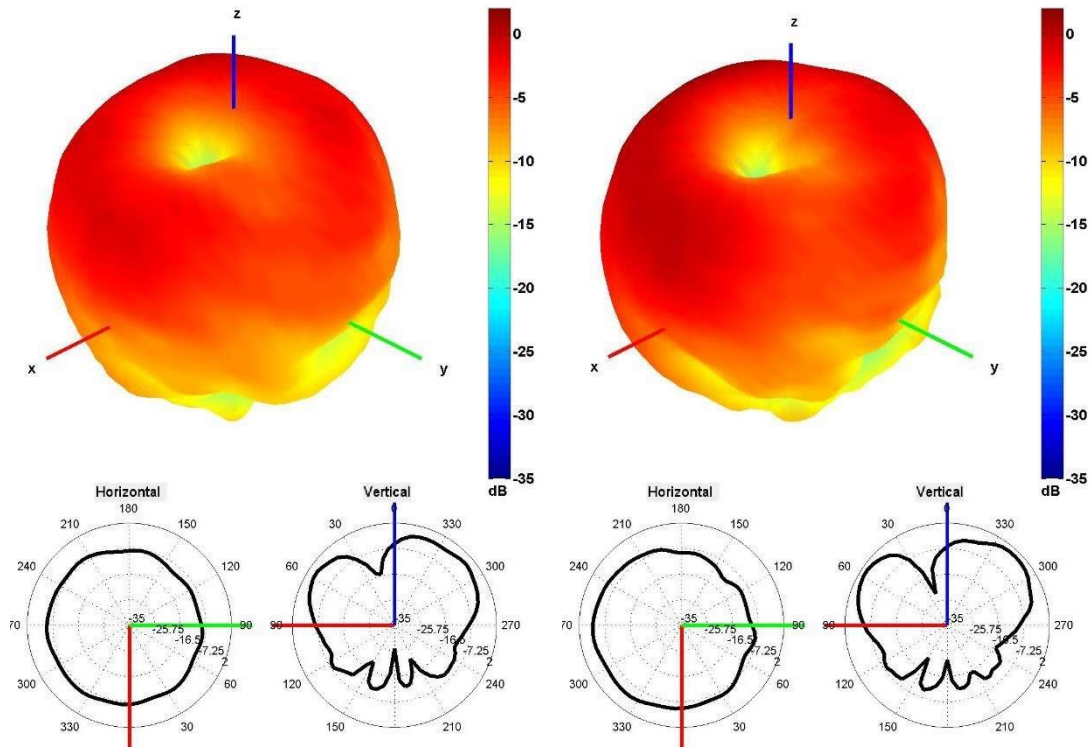




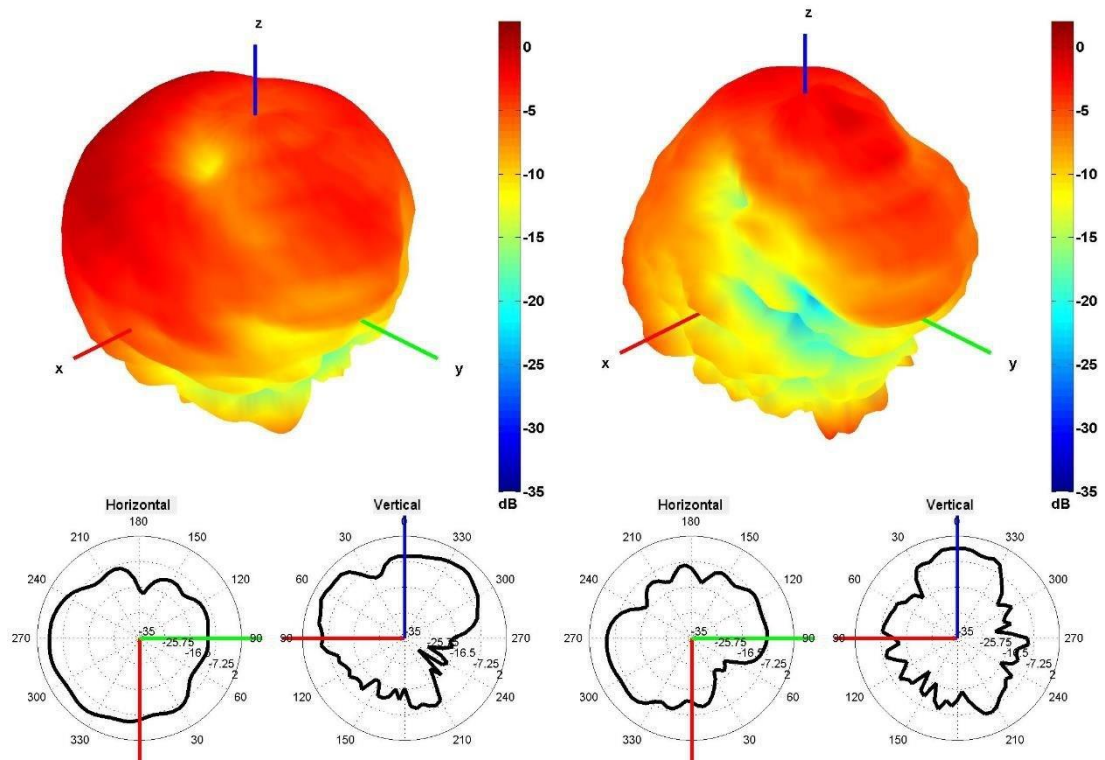
Radiation pattern reference



850 and 940 MHz Radiation pattern

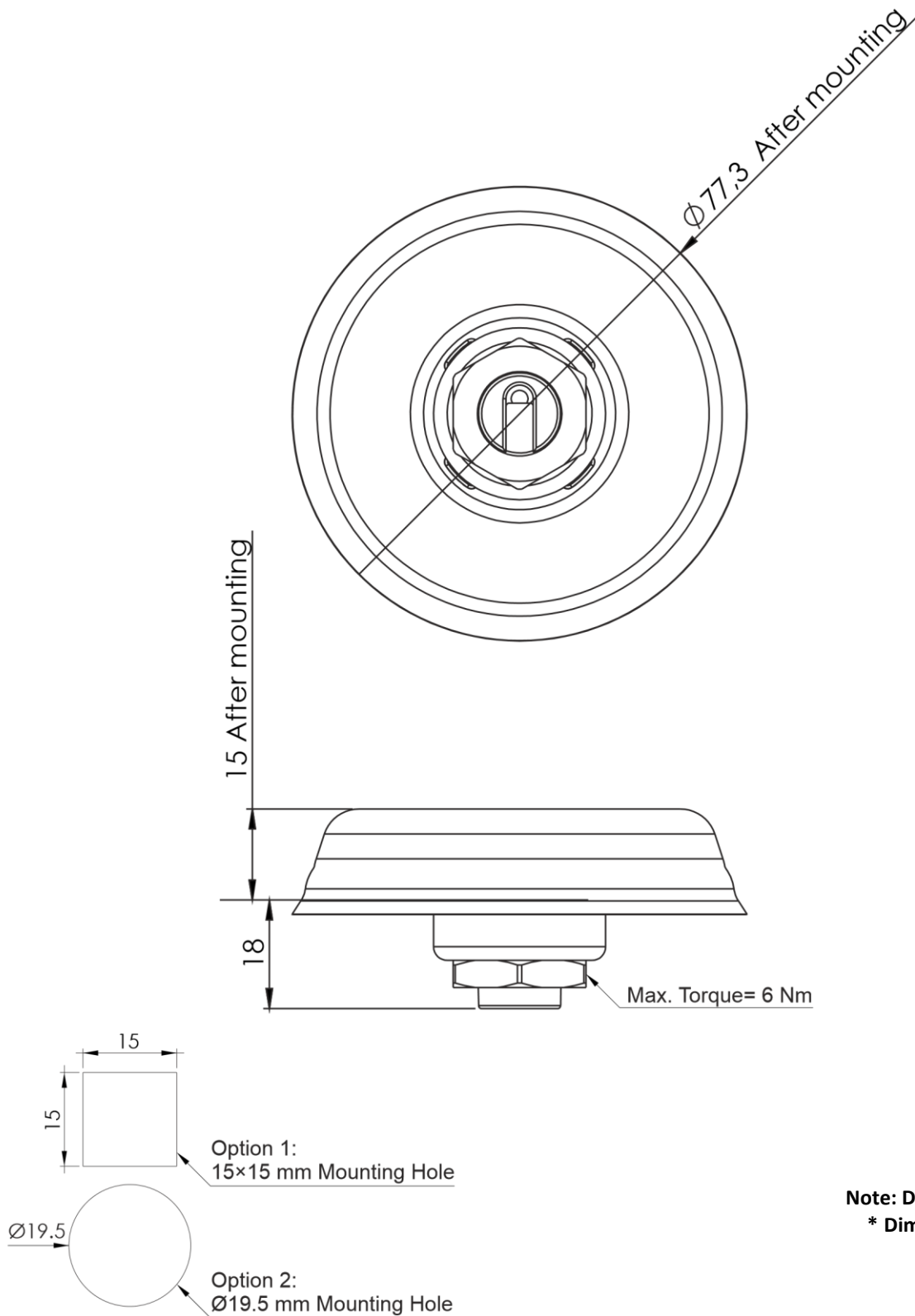


1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
*** Dimensions are after mounting**
****Max. Torque= 6 Nm**

5. Antenna Images

