

2J6600BGF

CELLULAR and GNSS Screw Mount

Key Features

Cable 1: CELLULAR

- 824-960 MHz
- 1710-2170 MHz

Cable 2: GPS/GLONASS/QZSS/Galileo

- 1575-1606 MHz

Screw Mount

Anti-Rotation Mechanism

Ground Plane Independent

Customizable Cable and Connector

Dimensions 77.3 x 15 mm

Certificates: IP67, IP69



1. Antenna and electrical specifications

Cable 1

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	~-9.1
VSWR	~2.7:1	~2.1:1
Efficiency (%)	~17.6	~11.4
Peak Gain (dBi)	~-3.6	~-3.3
Average Gain (dB)	~-8.4	~-9.5
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 (Any Cable Length Available)	
Cable Type	RG174 (Other Cables Available)	

Cable 2

Parameters	GPS/GLONASS Antenna	
Standard	GPS/QZSS/Galileo	GLONASS
Band (MHz)	1575	1602
Frequency(MHz)	1575.42	1598-1606
Patch Size (mm)	25 x 25 x 4	
Return Loss (dB)	<=-15.0 dB	
VSWR	<=1.4:1 dB	
Impedance	50	
Radiation Pattern	Hemispherical	
Polarization	RHCP	
Saw Filter	Post-filter	
Active Gain (dB)	26 @ 3 V / 27 @ 5 V	
Noise Figure (dB)	1.5 Typ	
Voltage (V)	2.7 - 5.5	
Current (mA)	15-25	
Power Consumption (mW)	40-137	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	RG174 Standard (Other Cables Available)	

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Ground Plane

200 cm RG174 Cable

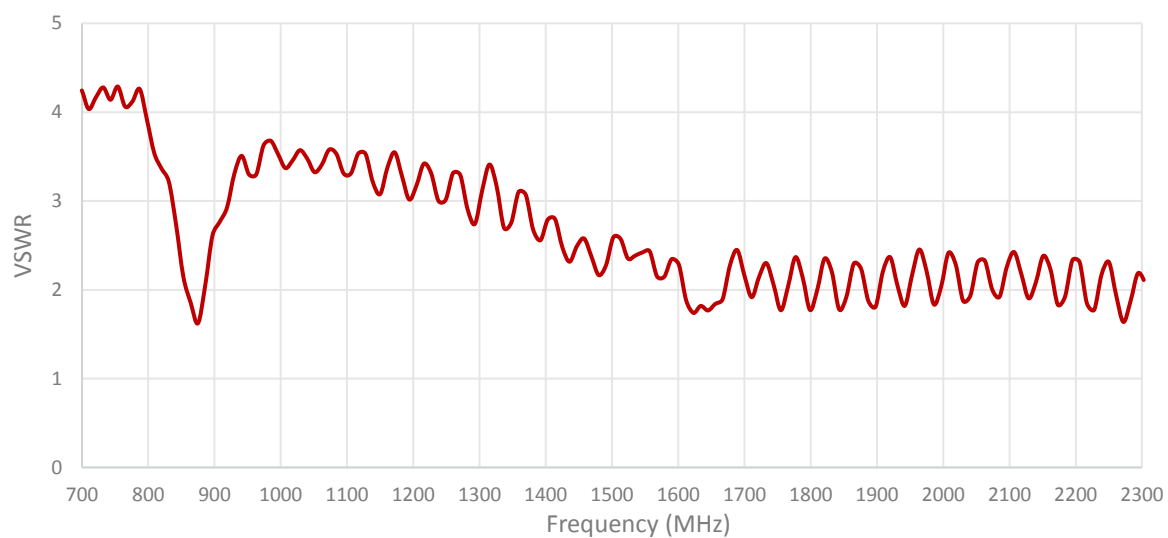
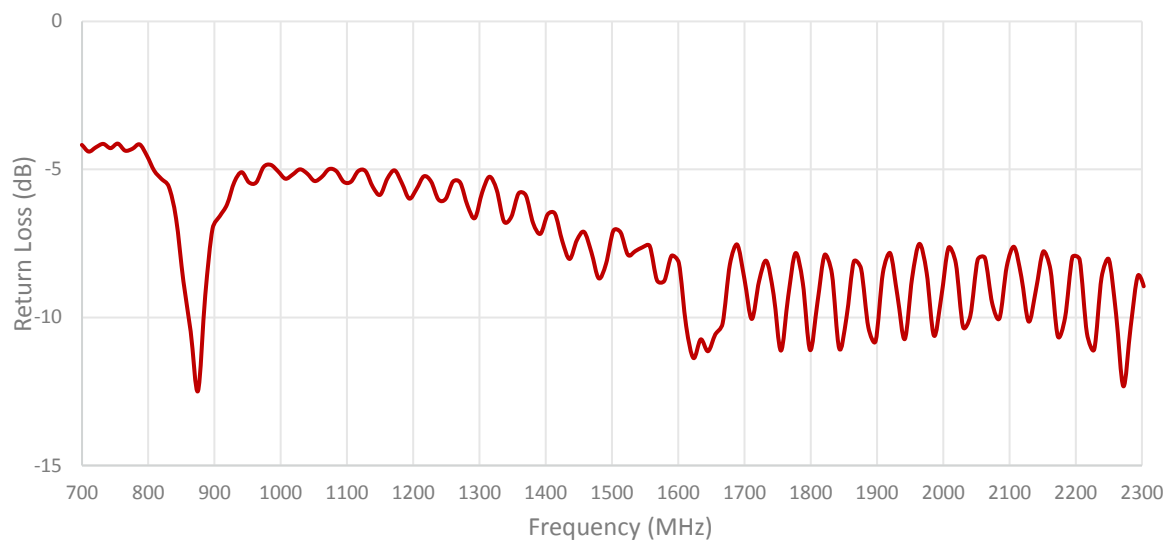
Measured in Certified CTIA 3D Anechoic Chamber

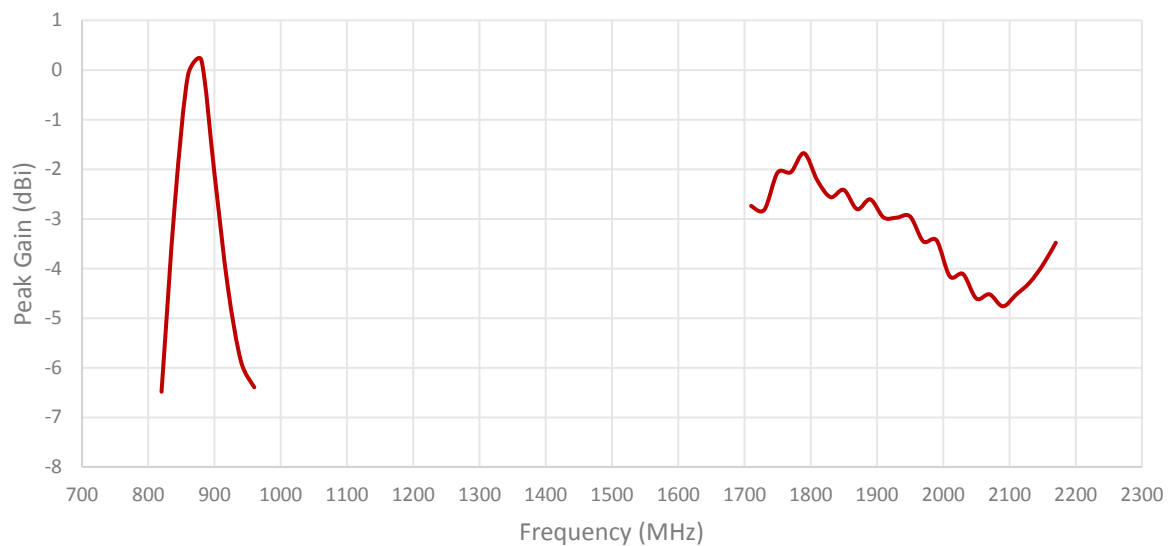
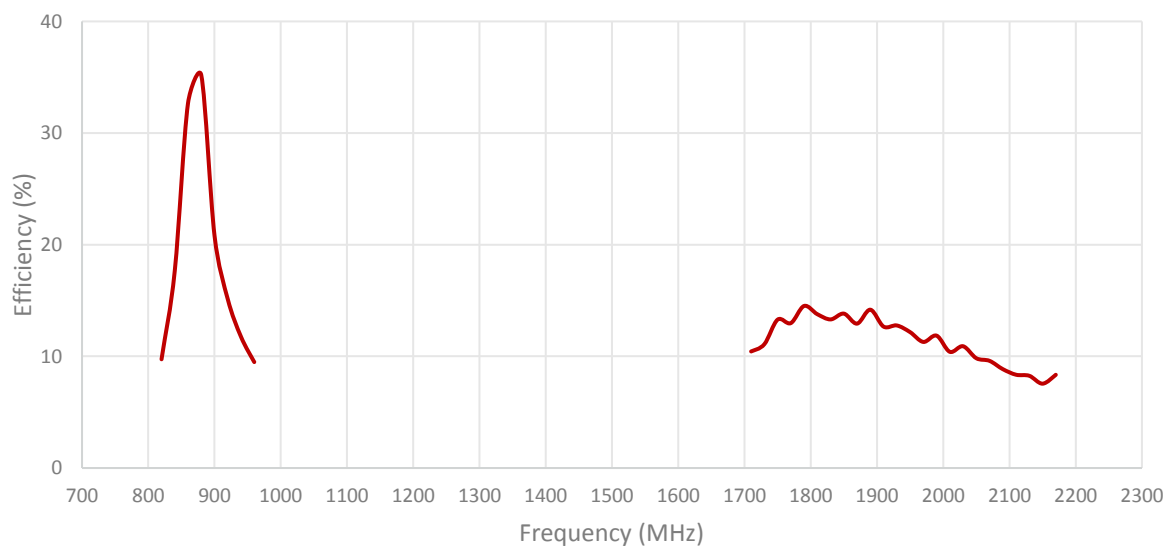
2. Mechanical and environmental specifications

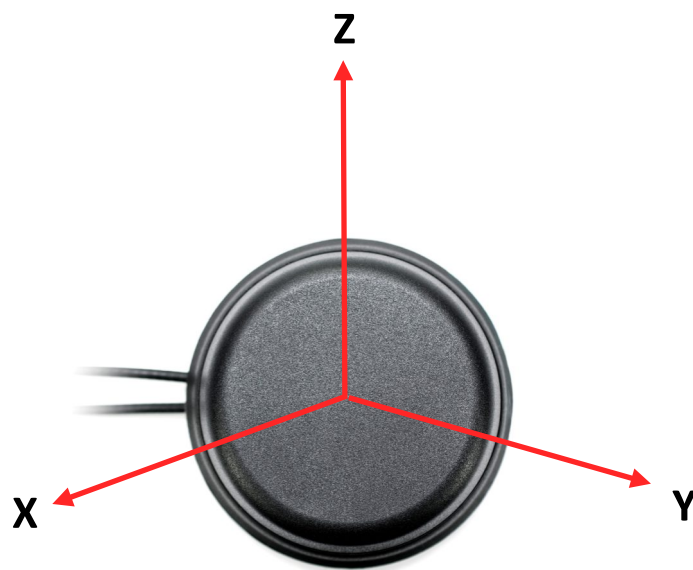
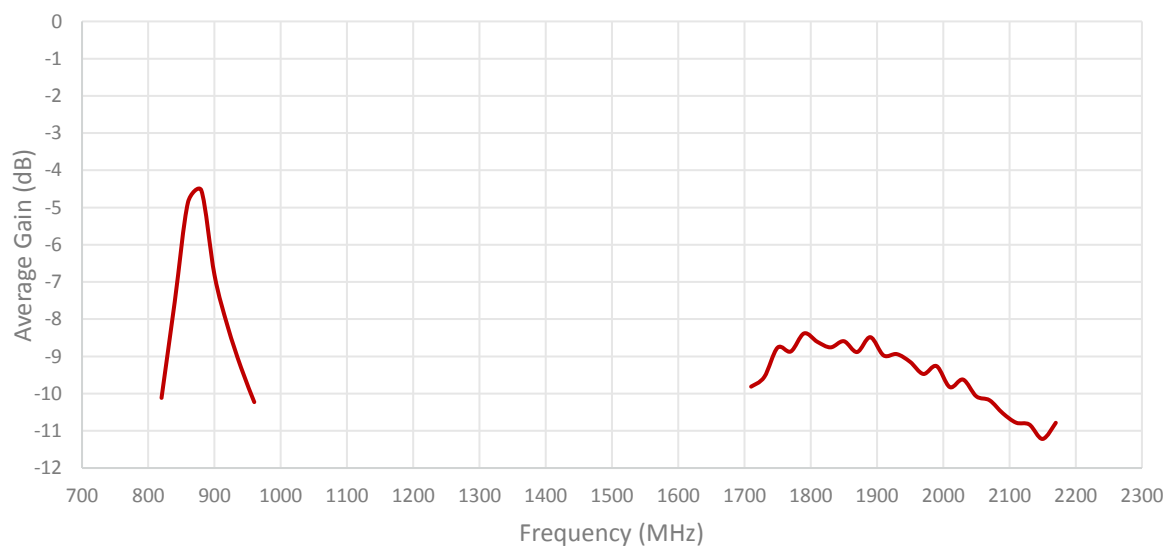
Specifications	2J6600BGF
Mounting Type	Screw Mount
Dimensions (mm)	77.3 x 15
Max. Tighten Torque (Nm)	6 Nm
Radome	ASA
Radome color	Black
Antenna Base	Zamak
Gasket	TPE
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69

3. Antenna parameters

Cable 1: CELLULAR

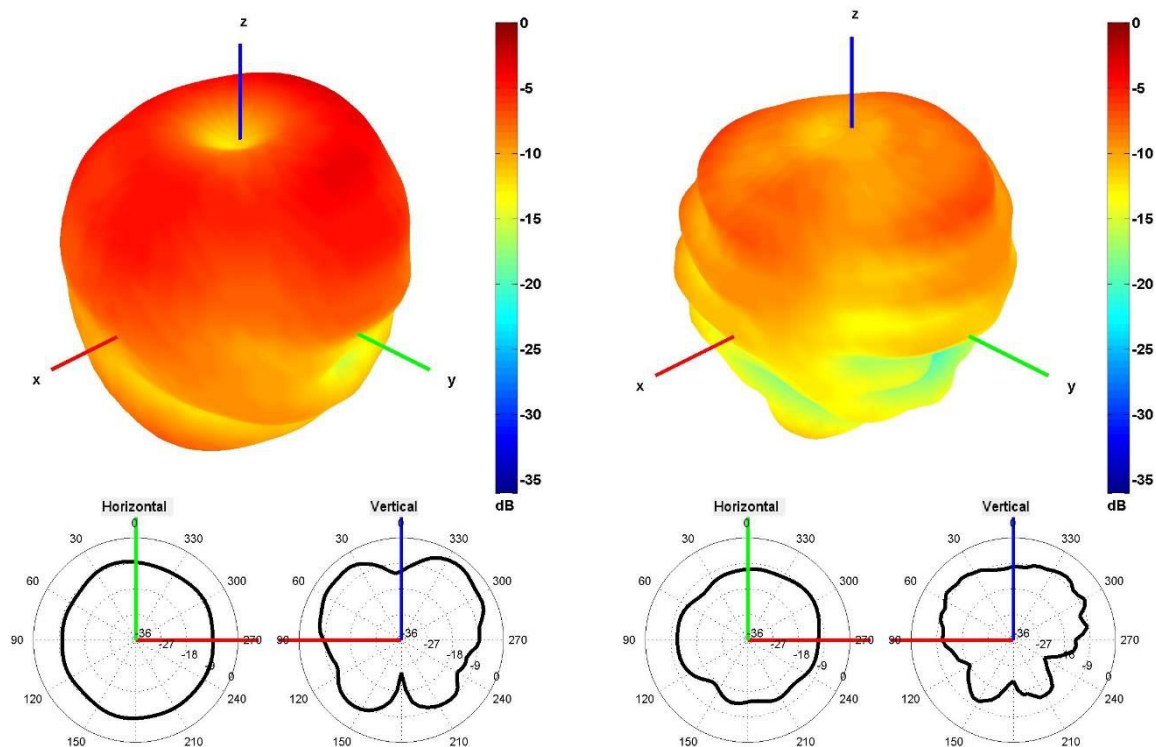




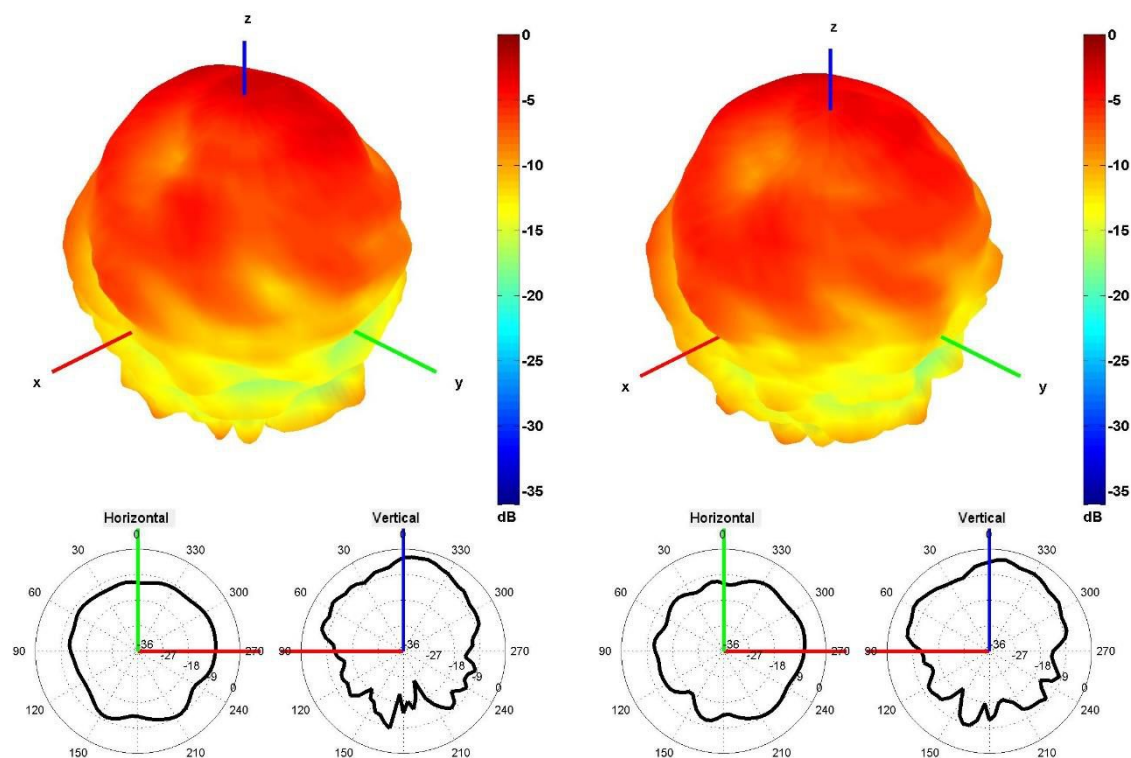


Radiation pattern reference

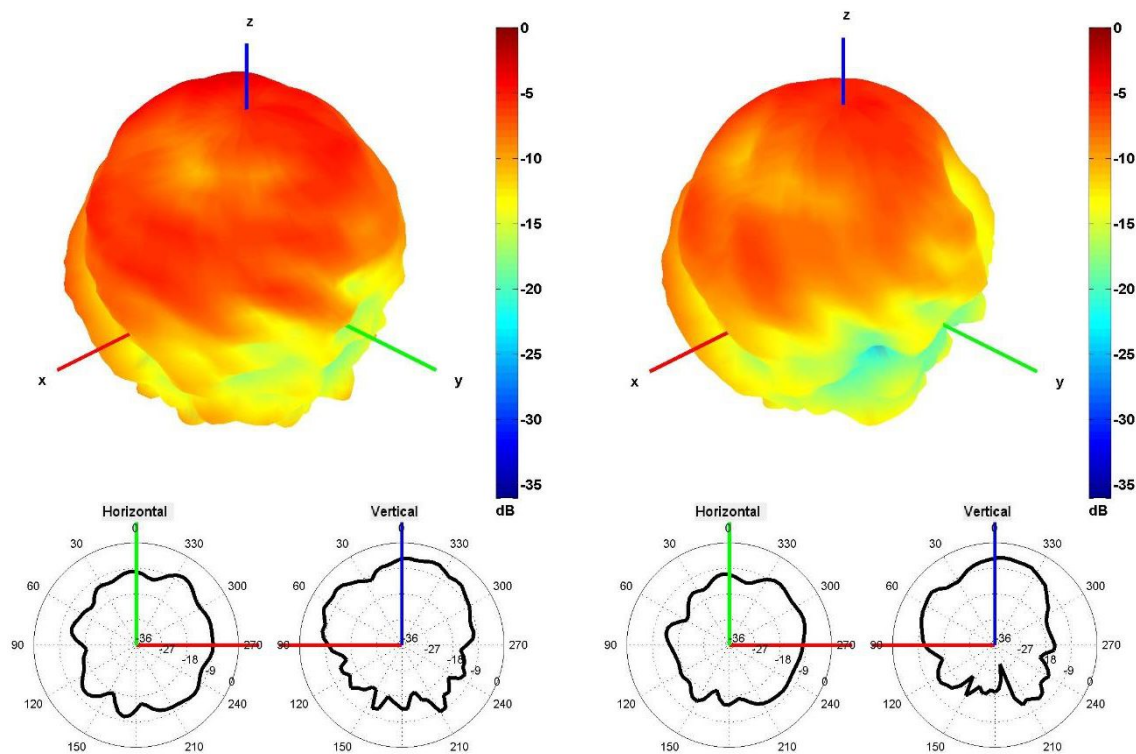
Cable 1: Cellular



850 and 940 MHz Radiation pattern

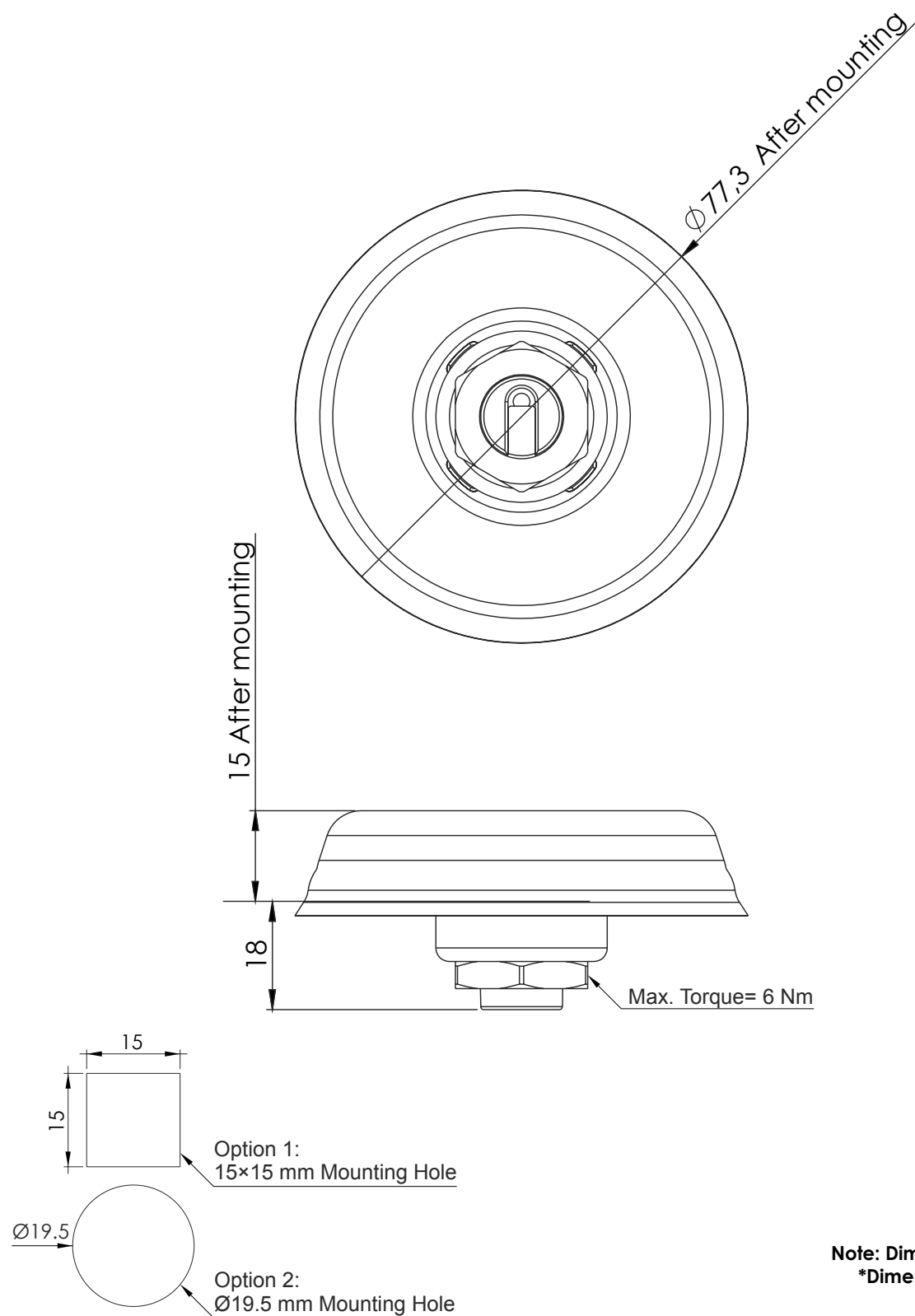


1750 and 1850 MHz Radiation pattern



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

