

2J6704B

CELLULAR Screw Mount

Key Features

Cable 1: CELLULAR

- 824-960 MHz
- 1710-2170 MHz

Screw Mount

Anti-Rotation Mechanism

Ground Plane Dependent

Customizable Cable and Connector

Certificates: IP67, IP69K, IK10

Dimensions Ø 77.3 x 37.8 mm



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)	~-6.5	~-10.0
VSWR	~3.0:1	~2.0:1
Efficiency (%)	~18.1	~20.5
Peak Gain (dBi)	~-4.1	~-0.3
Average Gain (dB)	~-8.6	~-7.1
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)	

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Ground Plane

200 cm RG174 Cable

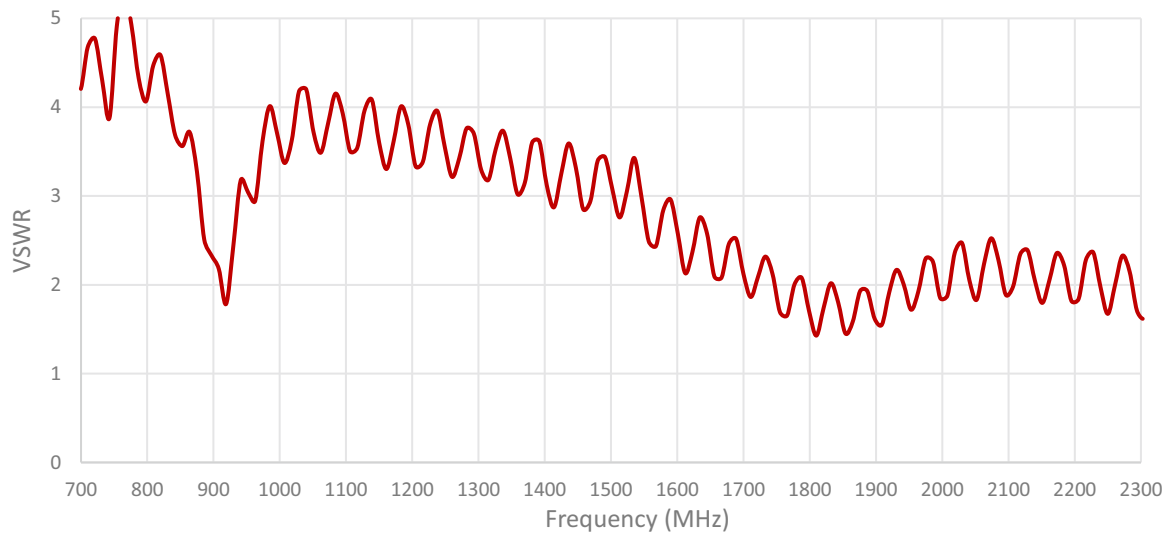
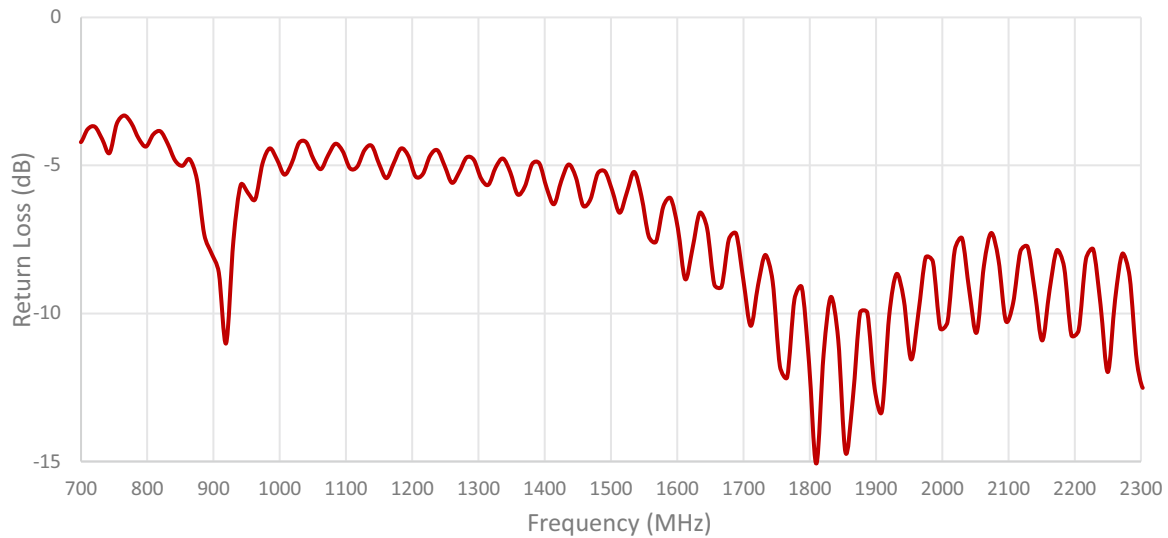
Measured in Certified CTIA 3D Anechoic Chamber

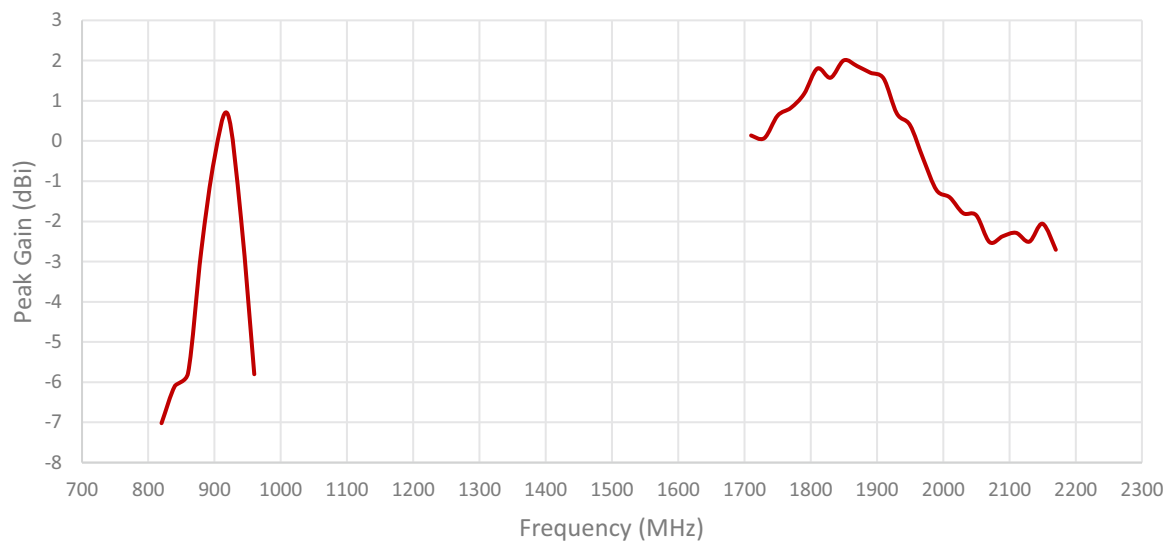
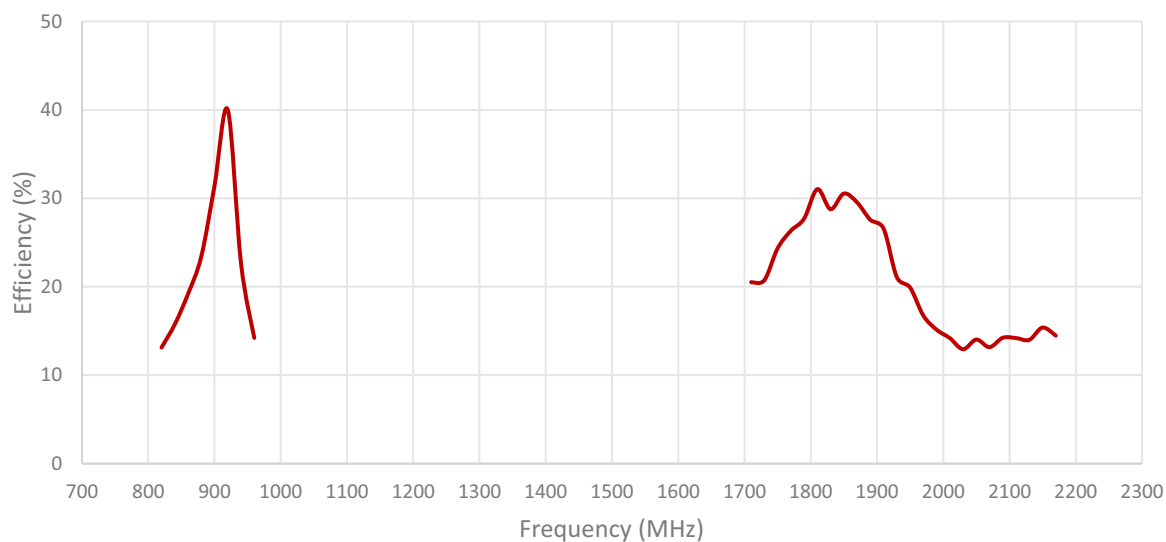
2. Mechanical and environmental specifications

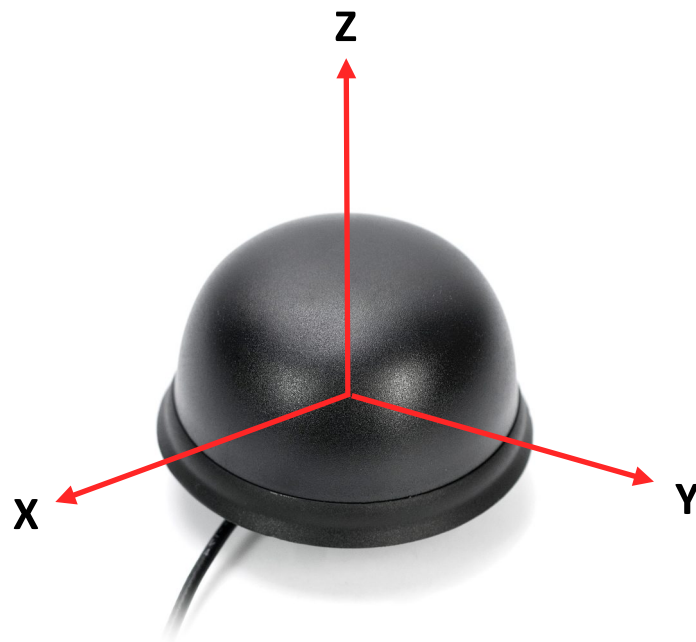
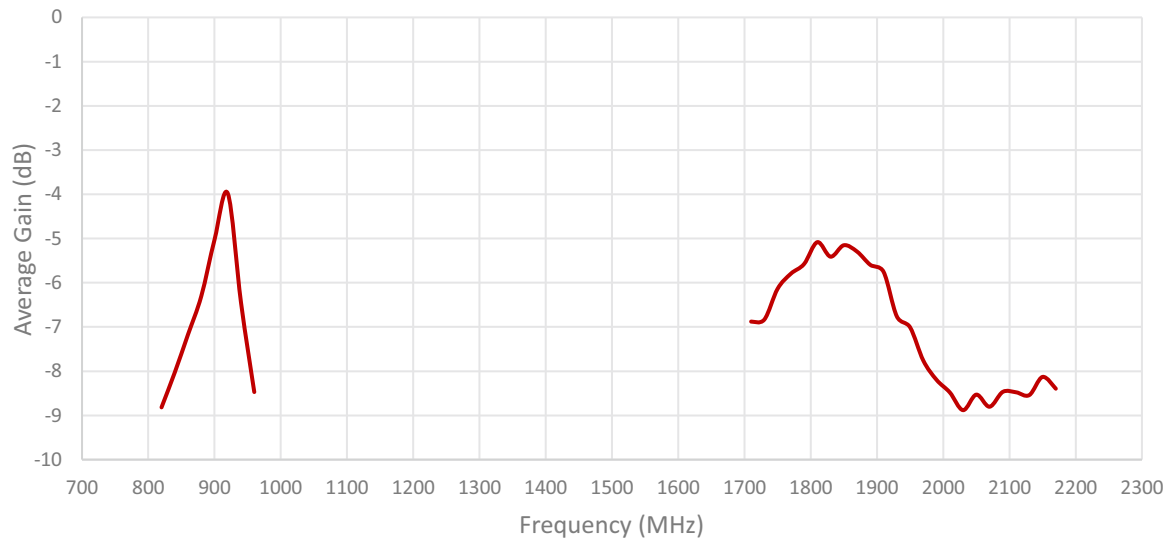
Specifications	2J6704B
Mounting Type	Screw Mount
Dimensions (mm)	Ø 77.3 x 36.5
Rec. Tighten Torque (Nm)	6 Nm
Radome	ASA
Radome color	Black
Antenna Base	Zamak
Gasket	TPE
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69K, IK10

3. Antenna parameters

Cable 1: CELLULAR

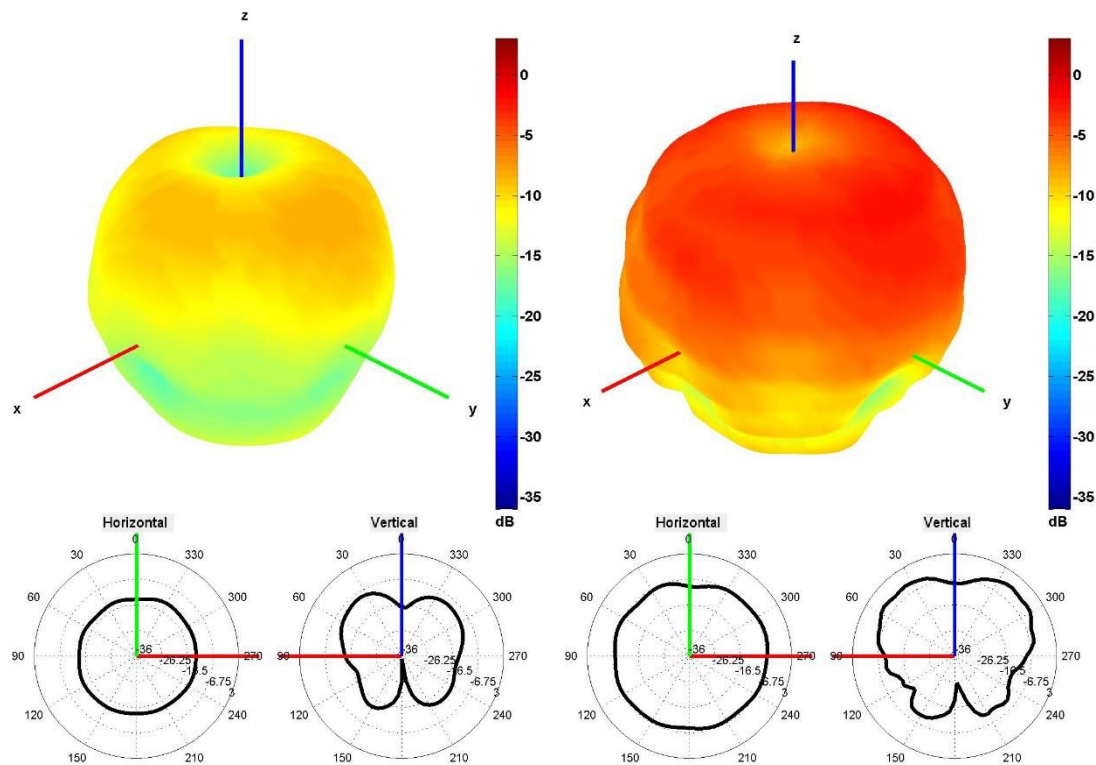




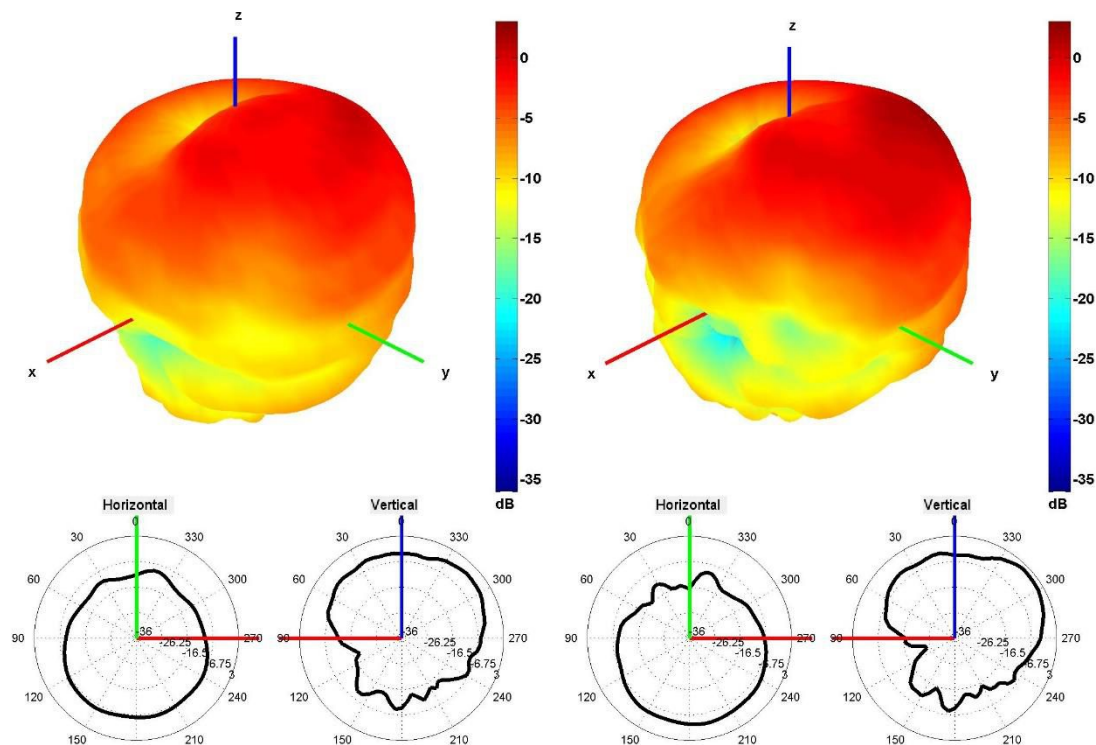


Radiation pattern reference

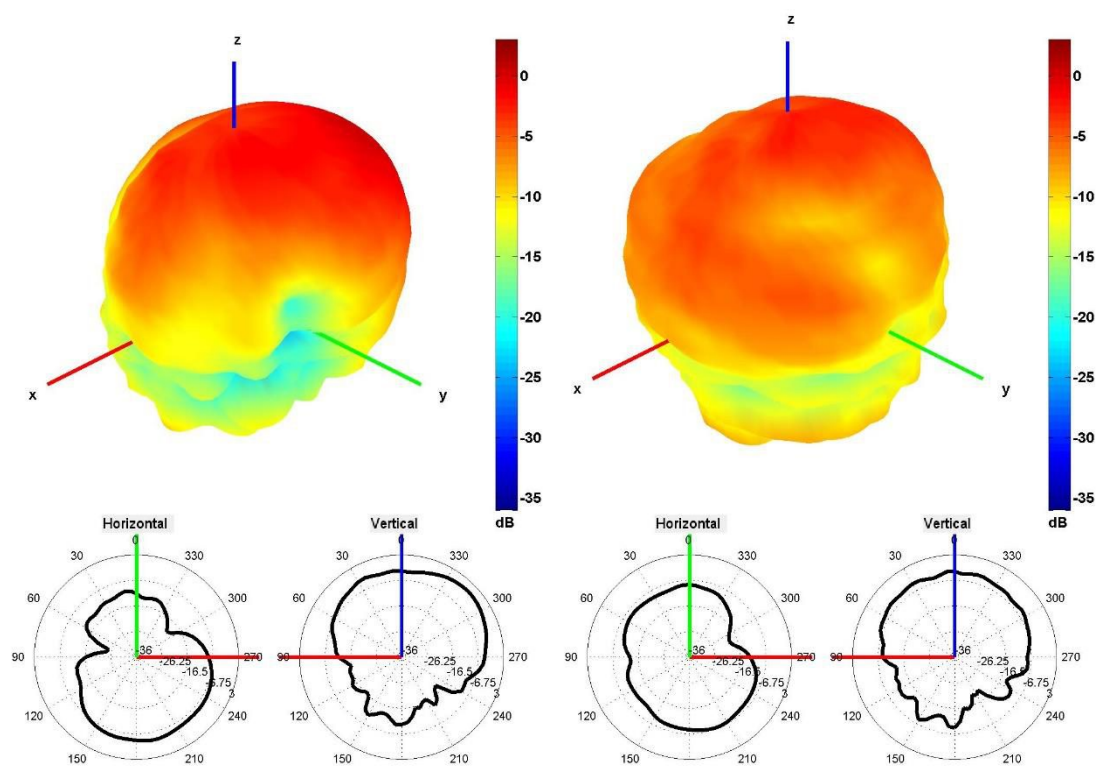
Cable 1: Cellular



850 and 940 MHz Radiation pattern

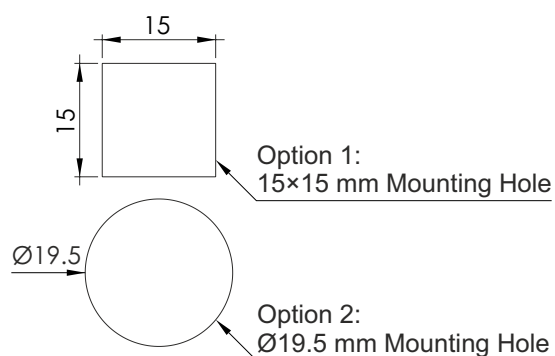
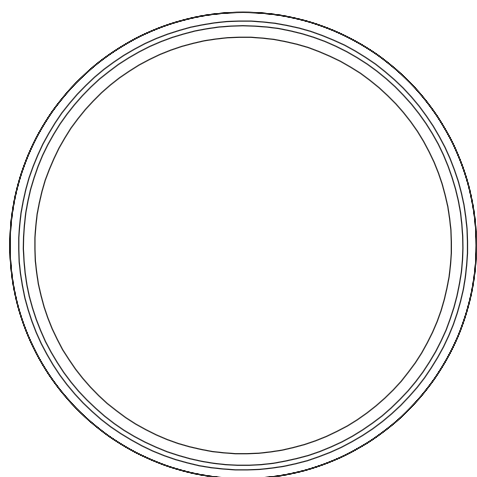
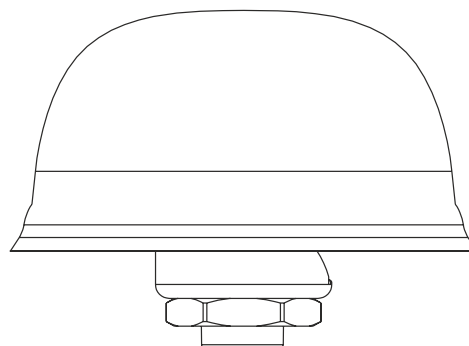
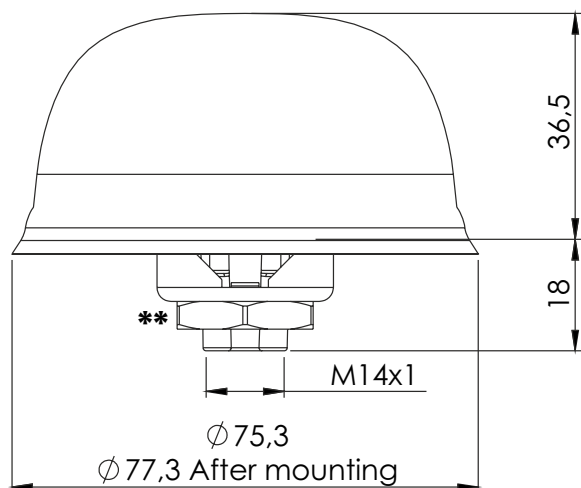


1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

4. Antenna drawings



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

5. Antenna Images

