

2J620PF

CELLULAR and GPS Adhesive Mount

Key Features

Cable 1: CELLULAR

- 824-960 MHz
- 1710-2170 MHz

Cable 2: GPS/QZSS/Galileo

- 1575 MHz

Adhesive Mount

Pre-Filter GPS

Non-Metal Surfaces Installation

Ground Plane Independent

Customizable Cable and Connector

Dimensions $\varnothing 77 \times 12$ mm



1. Antenna and electrical specifications

Cable 1

Parameters	CELLULAR Antenna	
Standards	2G and 3G	
Band (MHz)	850/900	1700/1800/1900/2100
Frequency (MHz)	824-960	1710-2170
Return Loss (dB)	~-13.8	~-7.7
VSWR	~1.6:1	~2.4:1
Efficiency (%)	~43	~32
Peak Gain (dBi)	~1.5	~0.5
Average Gain (dB)	~-3.7	~-5.0
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	RG174 Standard (Other Cables Available)	

Cable 2

Parameters	GPS Antenna
Standard	GPS/QZSS/Galileo
Band (MHz)	1575
Frequency(MHz)	1575.42
Return Loss (dB)	<=-14
VSWR	<=1.5:1
Impedance	50
Radiation Pattern	Hemispherical
Polarization	RHCP
Saw Filter	Pre-Filter
Active Gain (dB)	26 @ 3 V
Noise Figure (dB)	1.2
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 x 0.25 cm ABS Plate

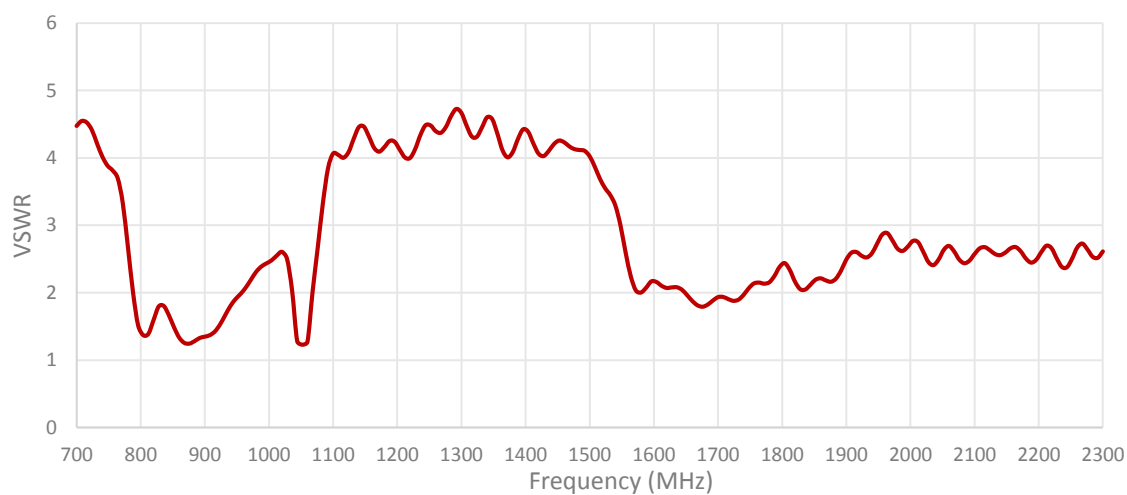
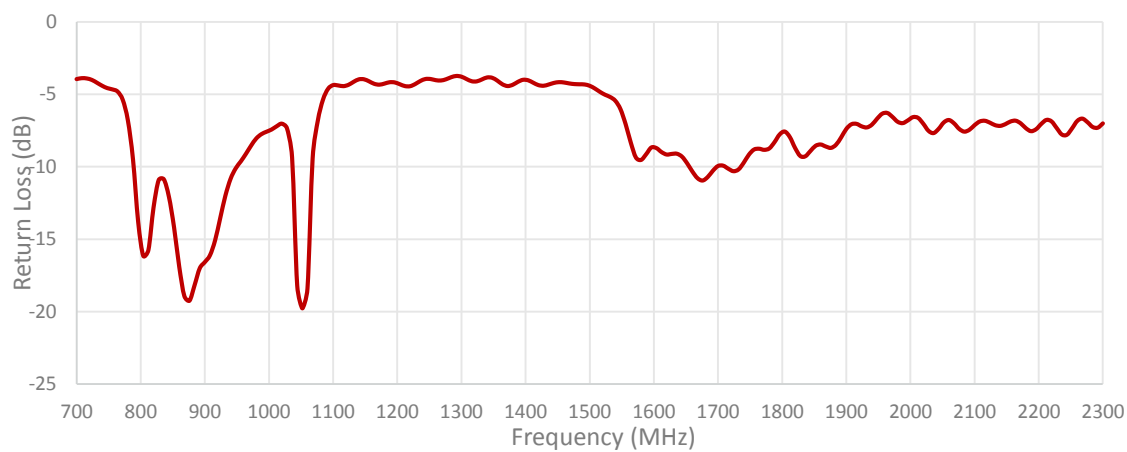
200 cm of Cable RG174

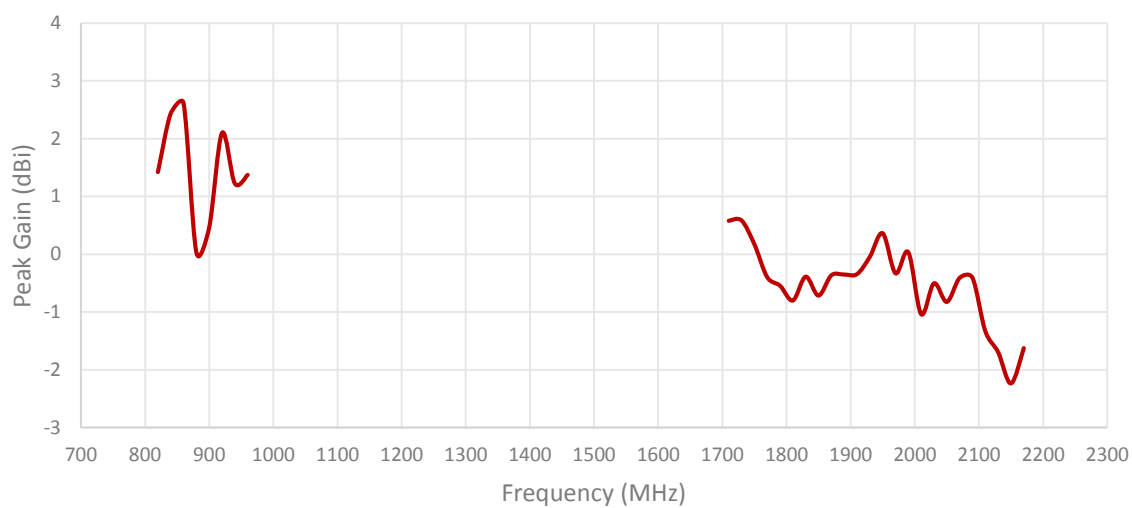
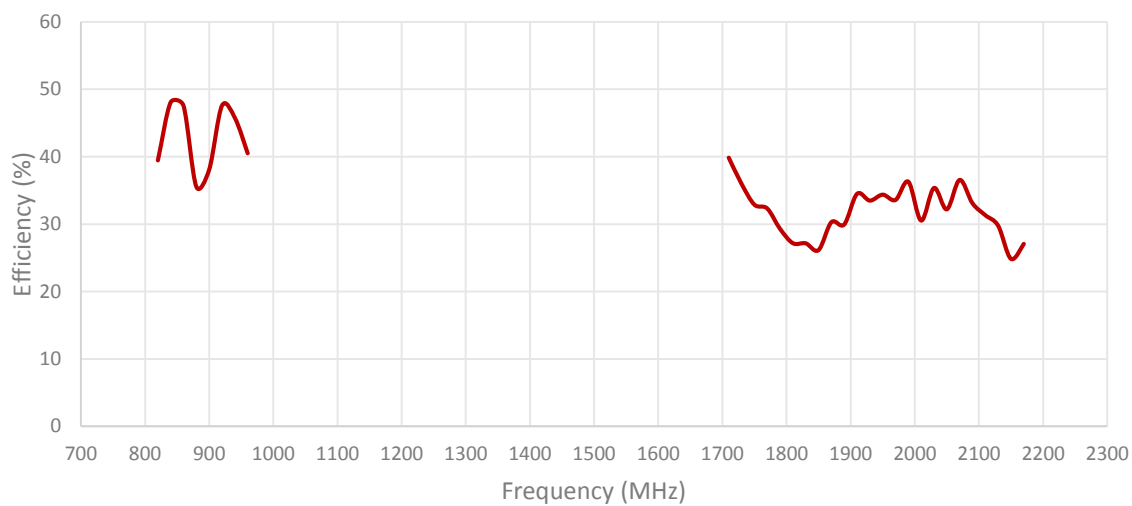
Measured in Certified CTIA 3D Anechoic Chamber

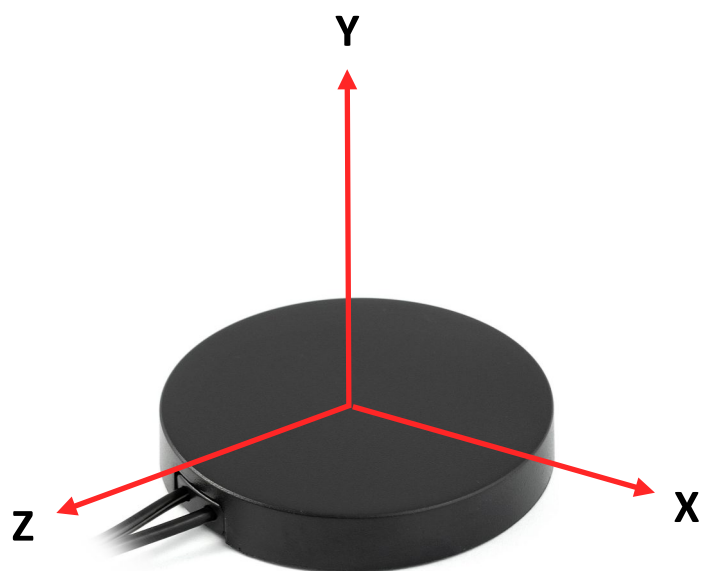
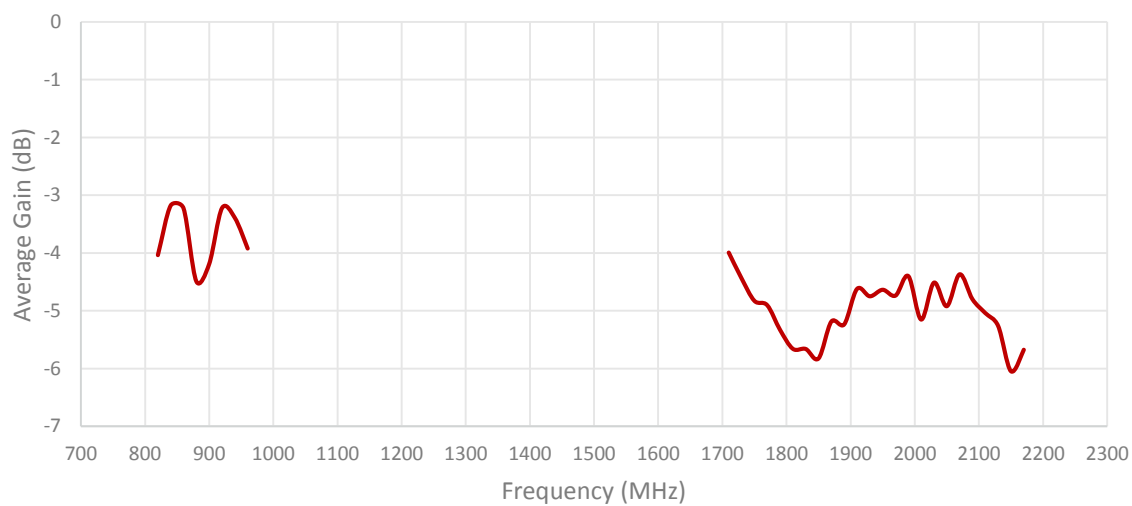
2. Mechanical and environmental specifications

Specifications	2J620PF
Mounting Type	Adhesive Mount
Dimensions (mm)	Ø 77 x 12
Radome	ABS
Radome color	Black
Antenna Base	ABS
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

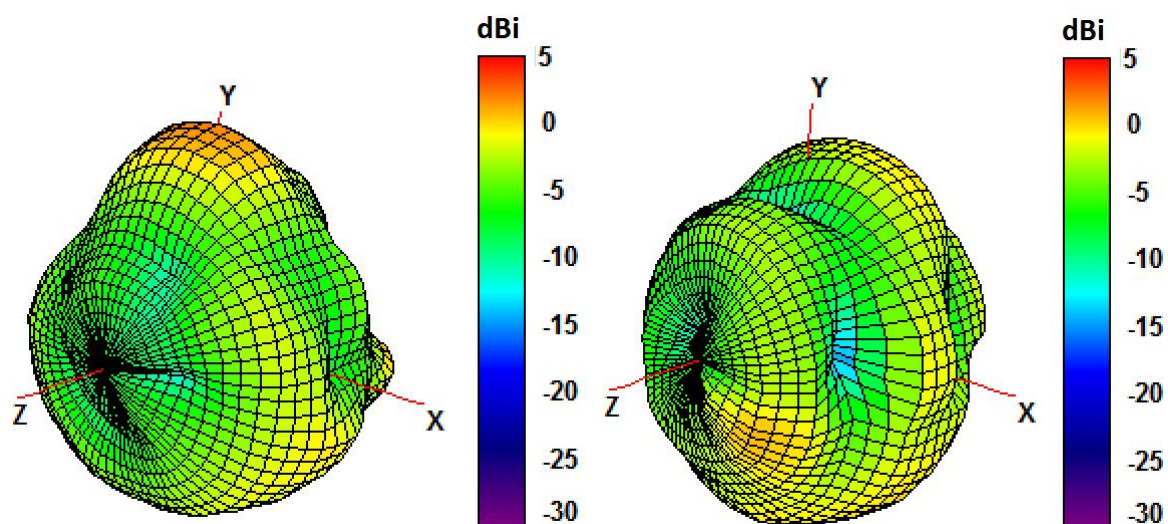
3. Antenna parameters



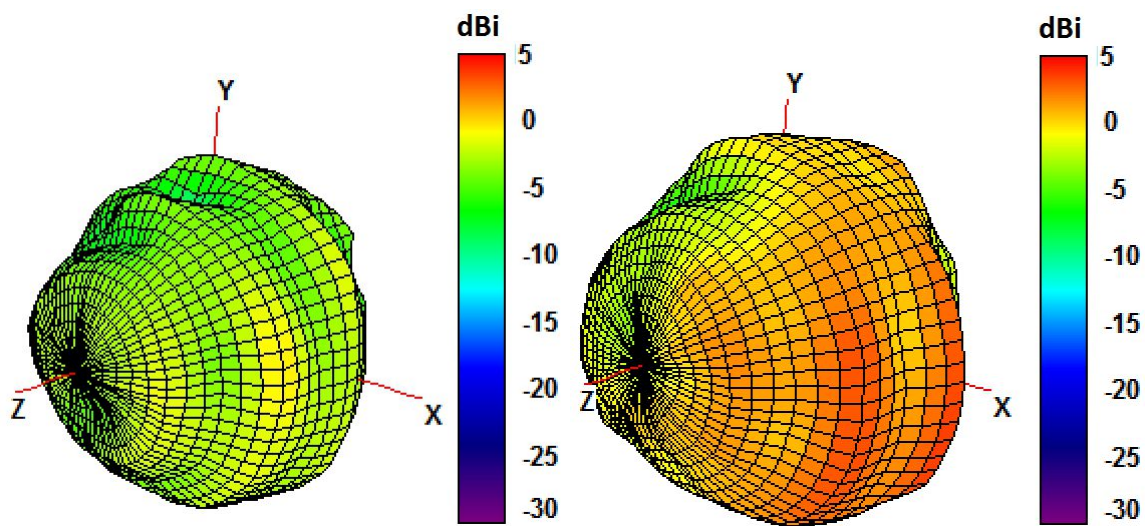




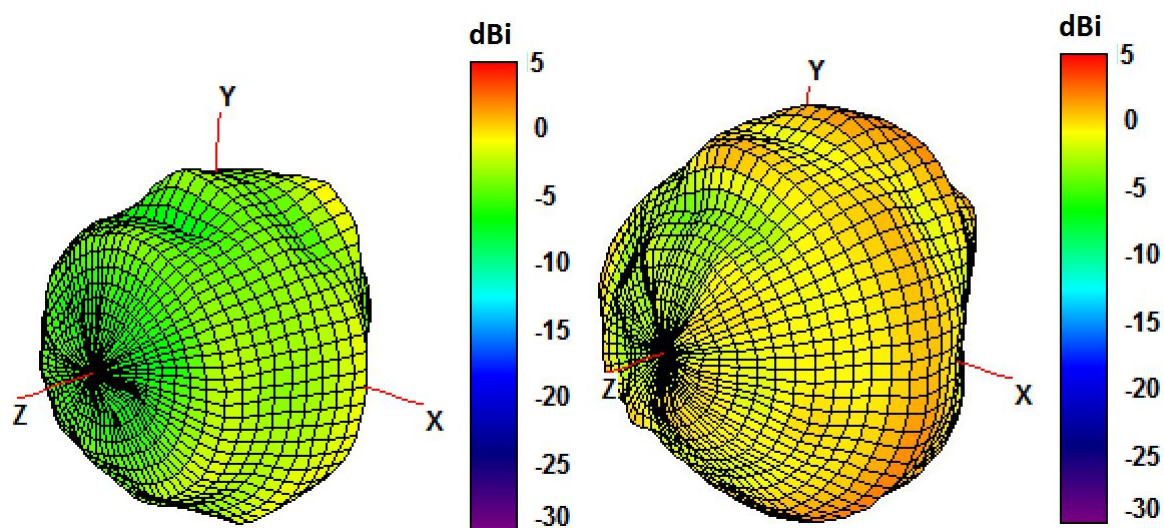
Radiation pattern reference



850 and 940 MHz Radiation pattern

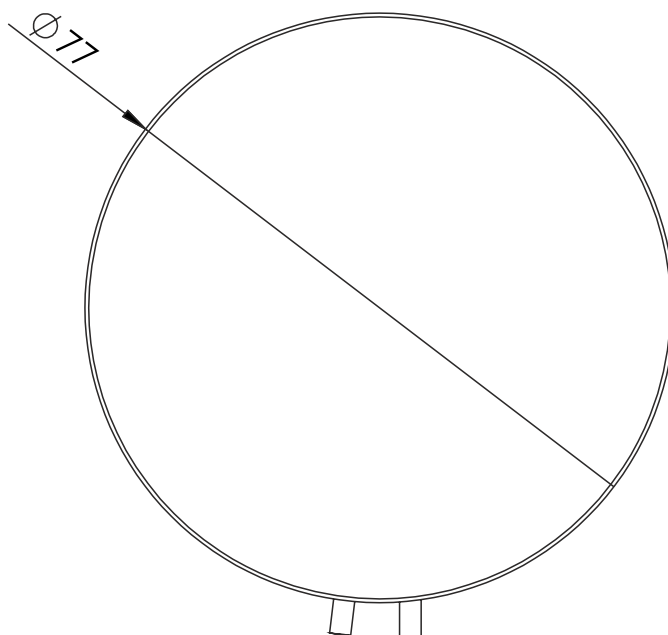
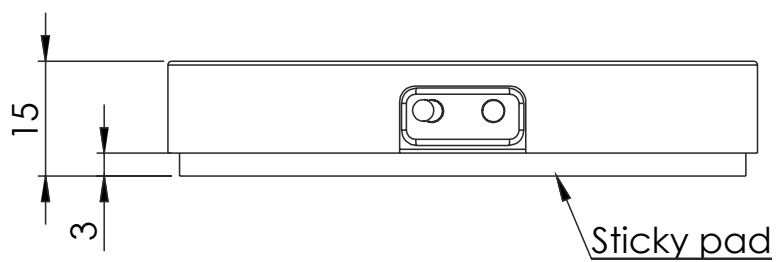


1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

