

## 2J6200PF

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

Cable 2

Parameters	GPS Antenna
<b>Standard</b>	GPS/QZSS/Galileo
<b>Band (MHz)</b>	1575
<b>Frequency (MHz)</b>	1575.42
<b>Return Loss (dB)</b>	<=-14
<b>VSWR</b>	<=1.5:1
<b>Impedance</b>	50
<b>Radiation Pattern</b>	Hemispherical
<b>Polarization</b>	RHCP
<b>Saw Filter</b>	Pre-Filter
<b>Active Gain (dB)</b>	26 @ 3 V
<b>Noise Figure (dB)</b>	1.2
<b>Voltage (V)</b>	2.7 – 5.5
<b>Current (mA)</b>	15 - 25
<b>Power Consumption (mW)</b>	40 - 137
<b>Connector Type</b>	SMA-Male Standard (Other Connectors Available)
<b>Cable Length</b>	300 cm Standard (Any Cable Length Available)
<b>Cable Type</b>	RG174 Standard (Other Cables Available)

### Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

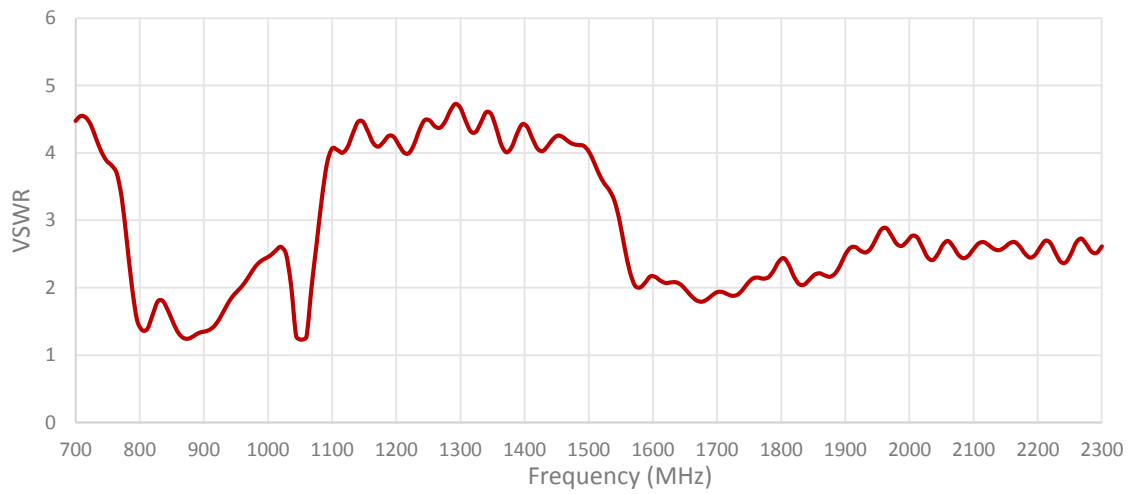
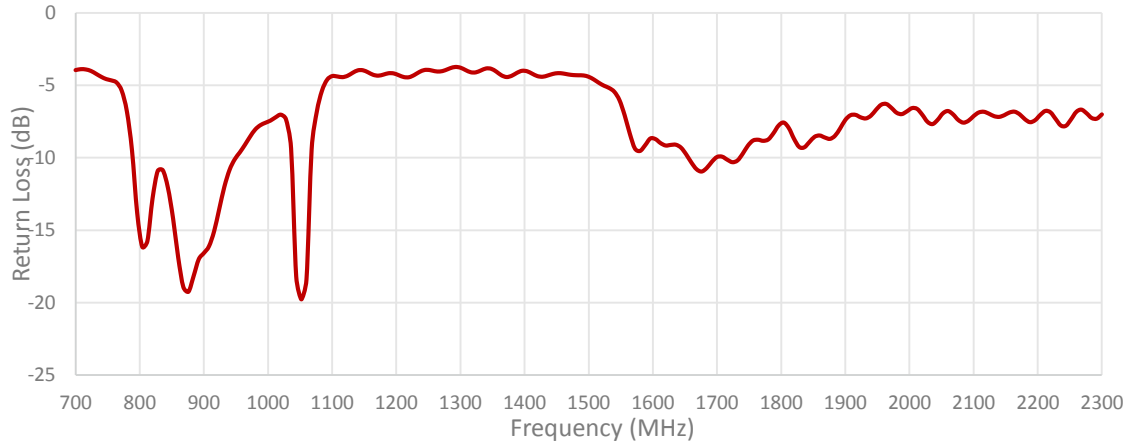
200 cm of Cable RG174

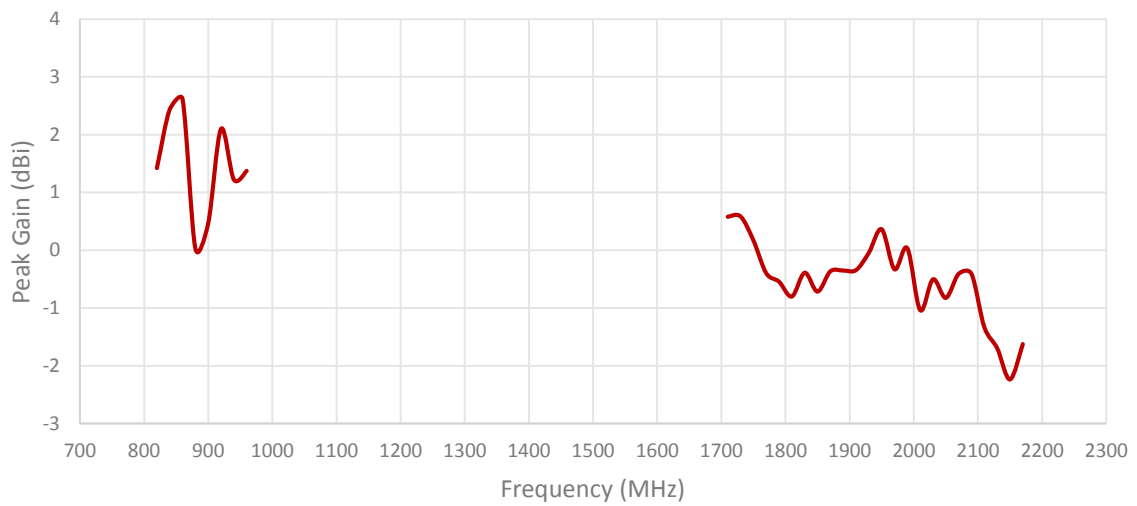
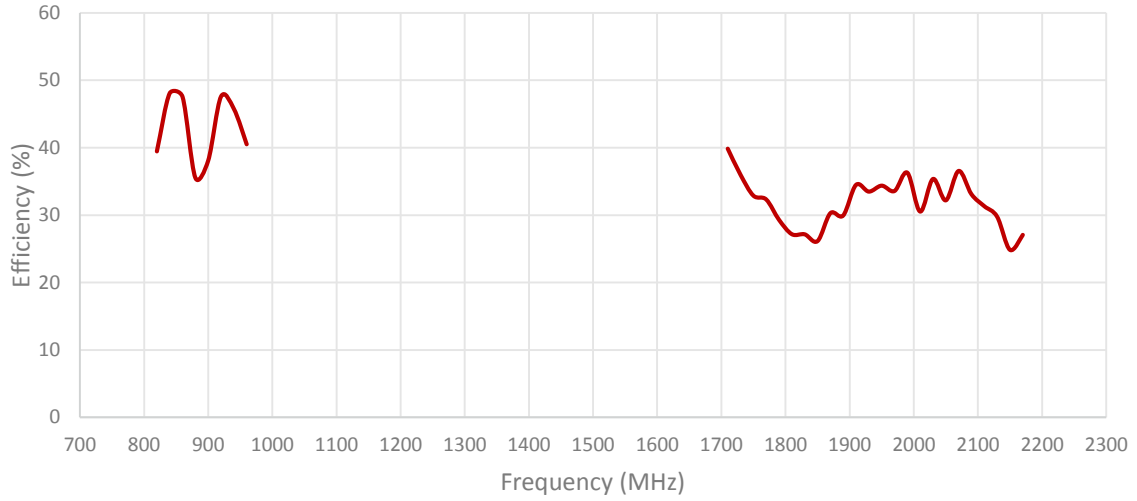
Measured in Certified CTIA 3D Anechoic Chamber

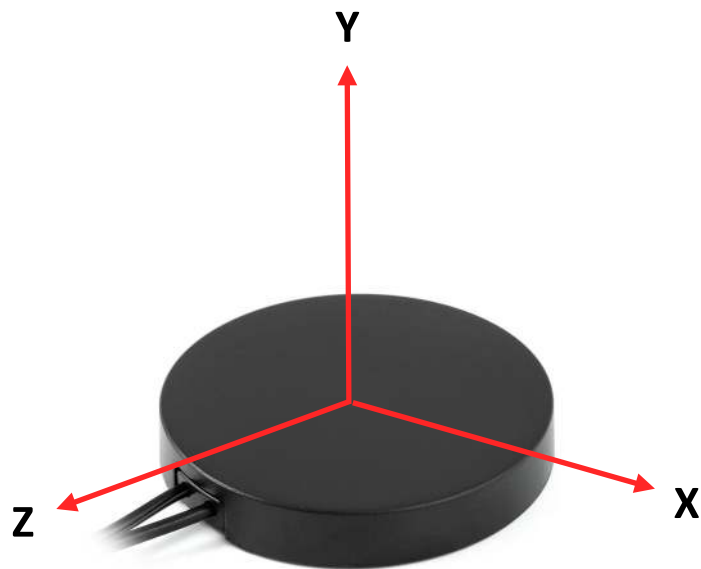
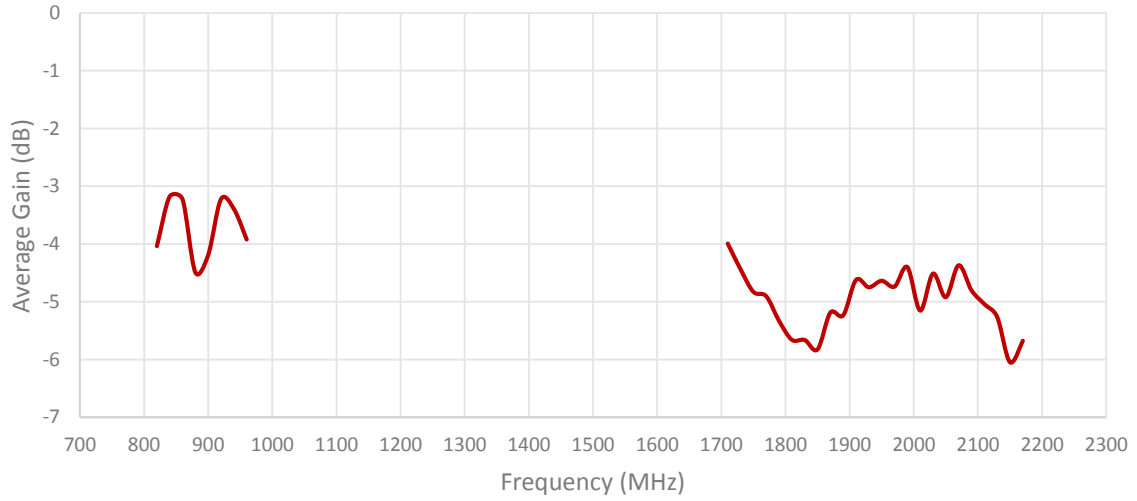
## 2. Mechanical and environmental specifications

Specifications	2J6200PF
<b>Mounting Type</b>	Adhesive Mount
<b>Dimensions (mm)</b>	Ø 77 x 12
<b>Radome</b>	ABS
<b>Radome color</b>	Black
<b>Antenna Base</b>	ABS
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

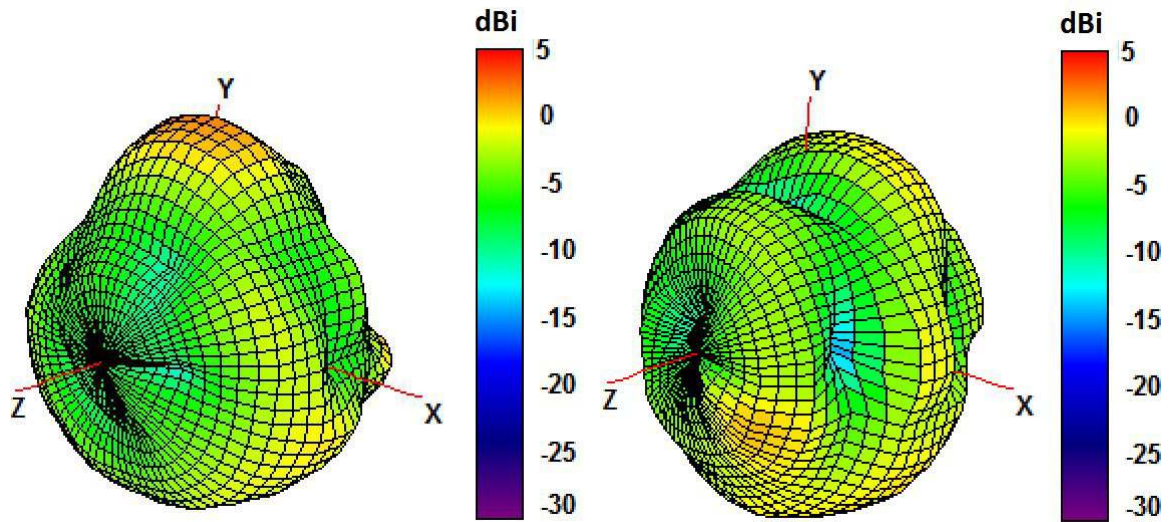
### 3. Antenna parameters



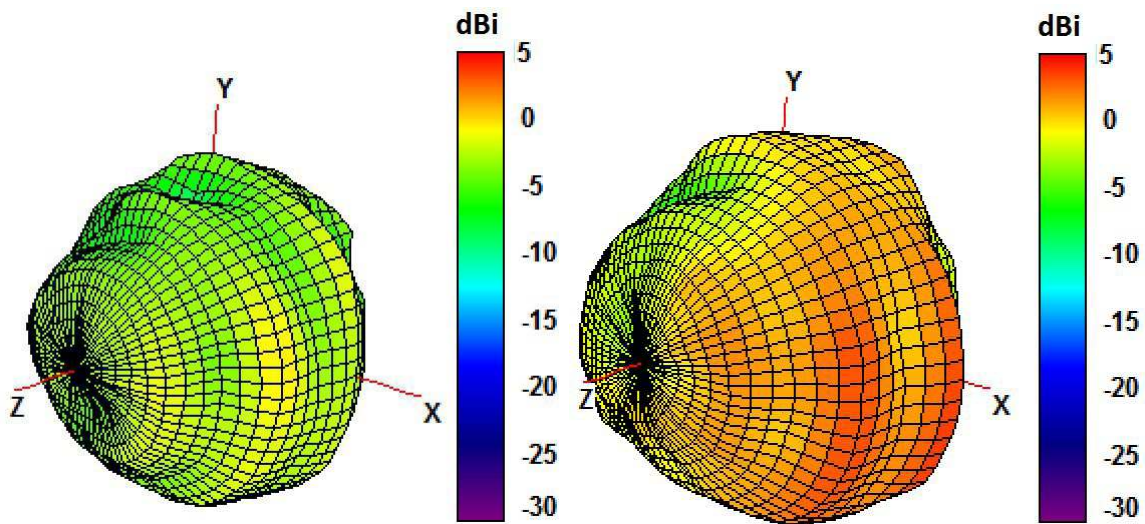




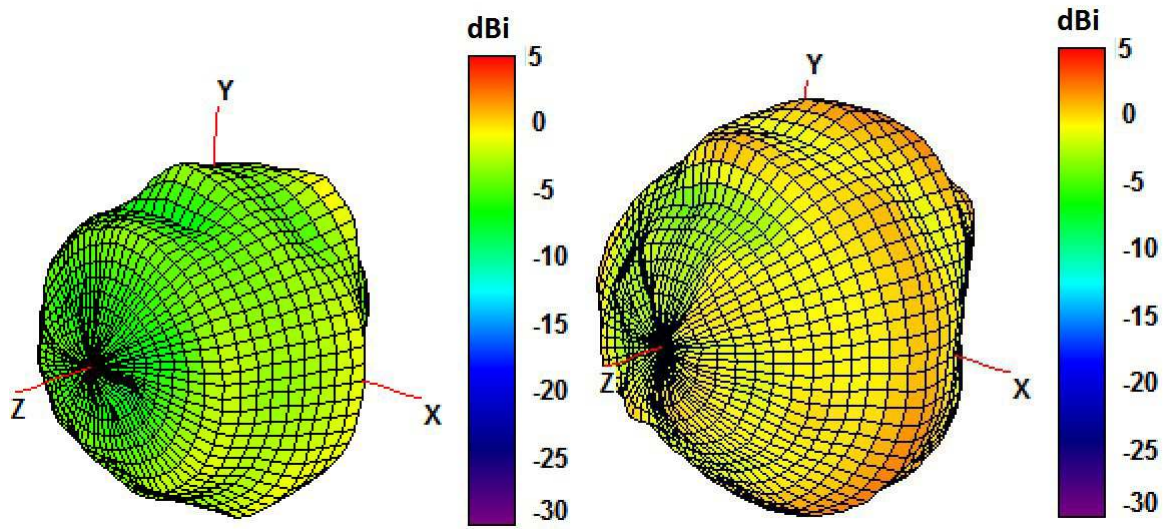
Radiation pattern reference



850 and 940 MHz Radiation pattern



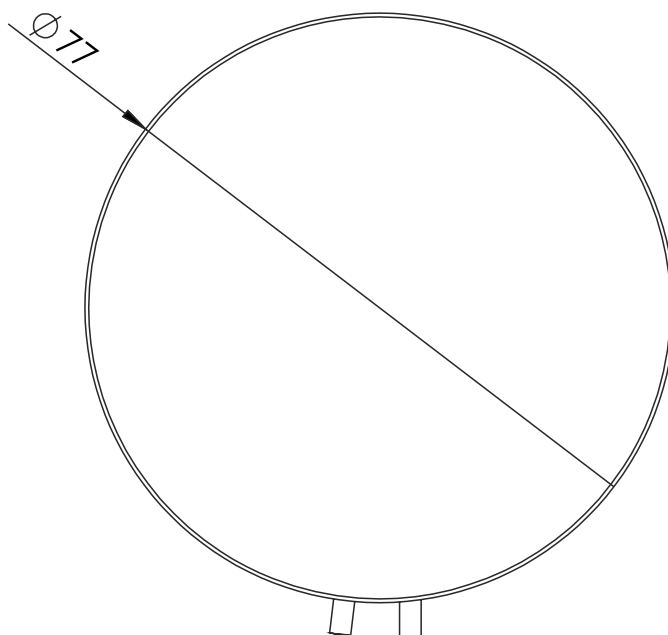
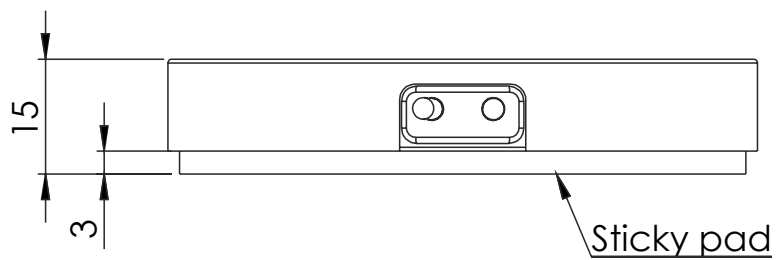
1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern



## 4. Antenna drawings



## 5. Antenna Images

