

## 2J5004PL

### CELLULAR Adhesive Mount

#### Key Features

##### CELLULAR

- 824-960 MHz
- 1710-2170 MHz

Adhesive Mount

Ground Plane Independent

Customizable Cable and Connector

Dimensions 126.5 x 22 x 6.7 mm



## 1. Antenna and electrical specifications

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>	~-14	~-16.0
<b>VSWR</b>	~1.5:1	~1.4:1
<b>Efficiency (%)</b>	~52	~43
<b>Peak Gain (dBi)</b>	~3.5	~4.6
<b>Average Gain (dB)</b>	~-2.8	~-3.6
<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)	

### Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

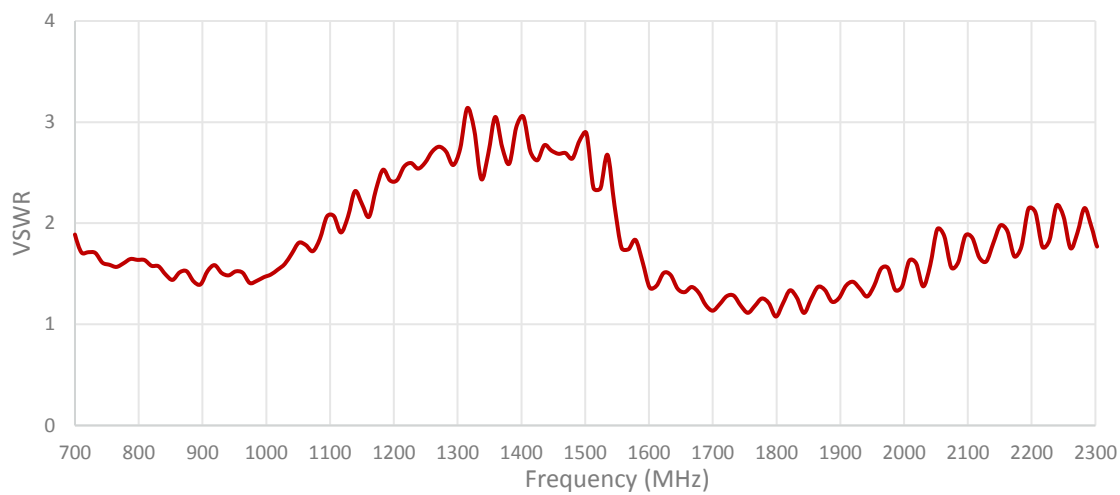
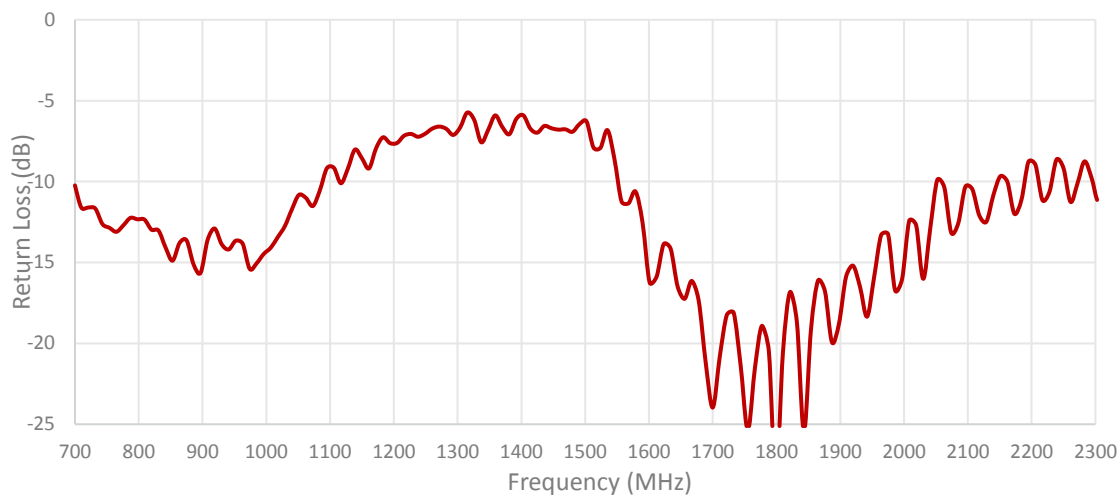
200 cm of RG174 Cable

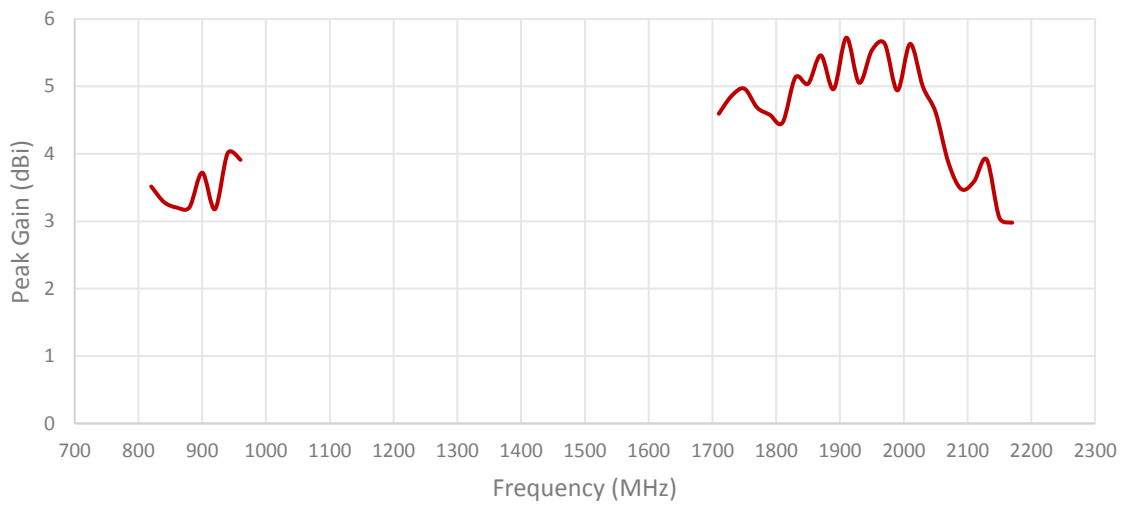
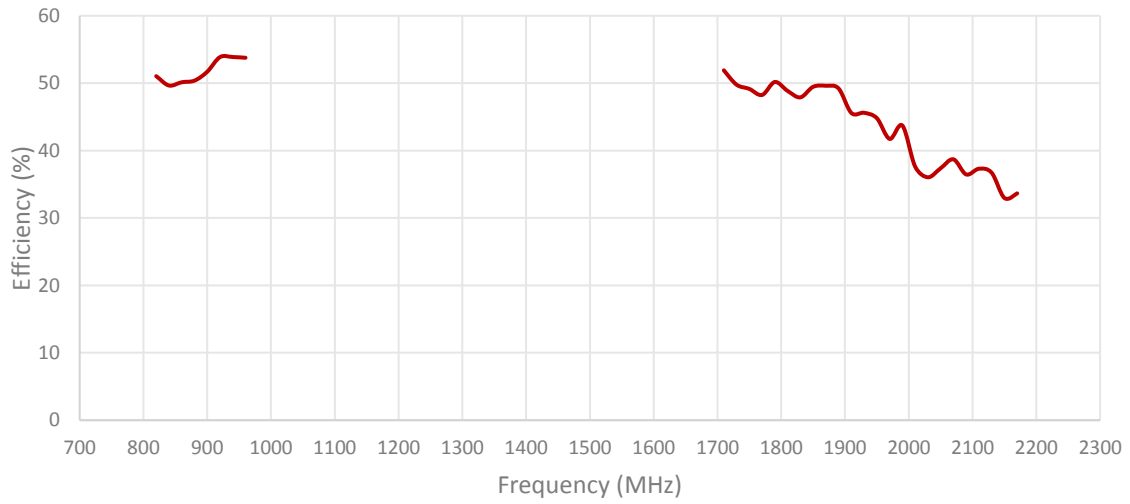
Measured in Certified CTIA 3D Anechoic Chamber

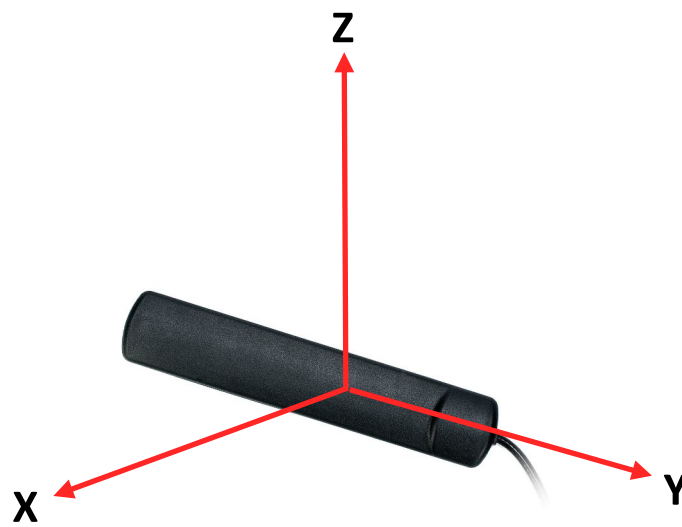
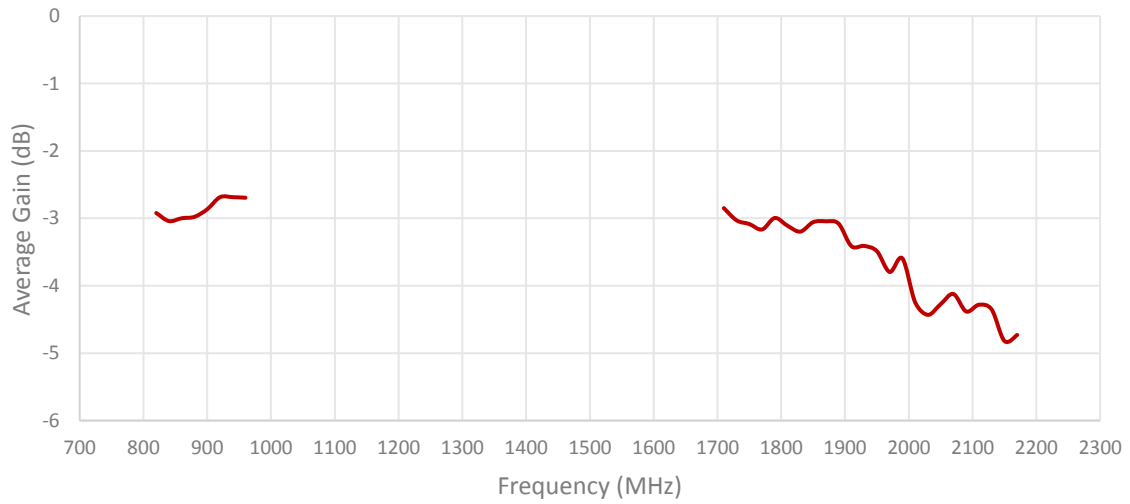
## 2. Mechanical and environmental specifications

Specifications	2J5004PL
<b>Mounting Type</b>	Adhesive Mount
<b>Dimensions (mm)</b>	126.5 x 22 x 6.7
<b>Radome</b>	PC/ABS UV Stable
<b>Radome color</b>	Black
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

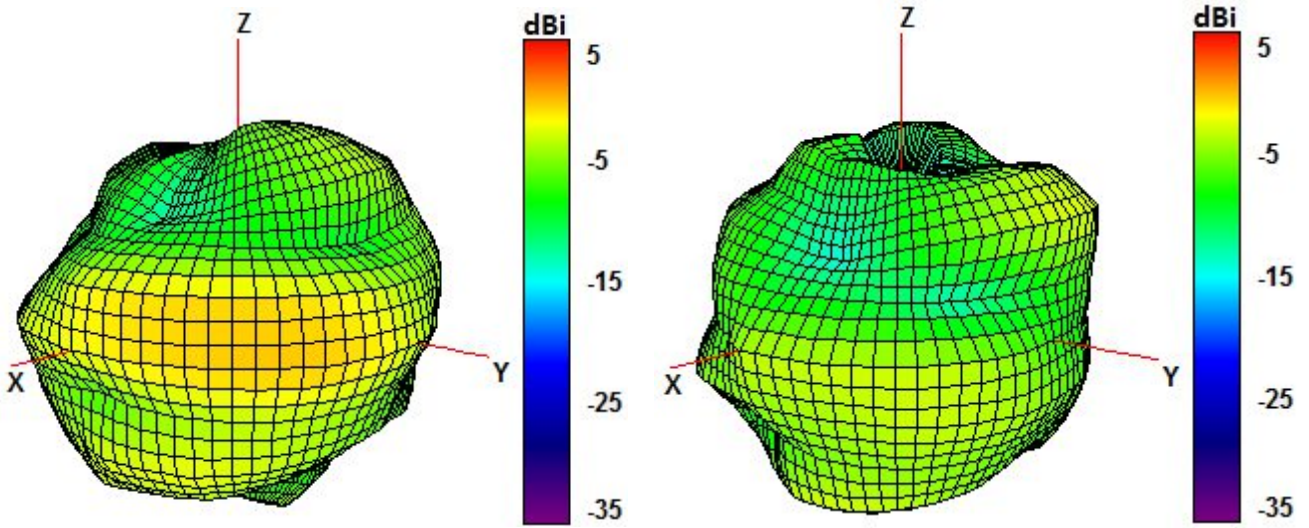
### 3. Antenna parameters



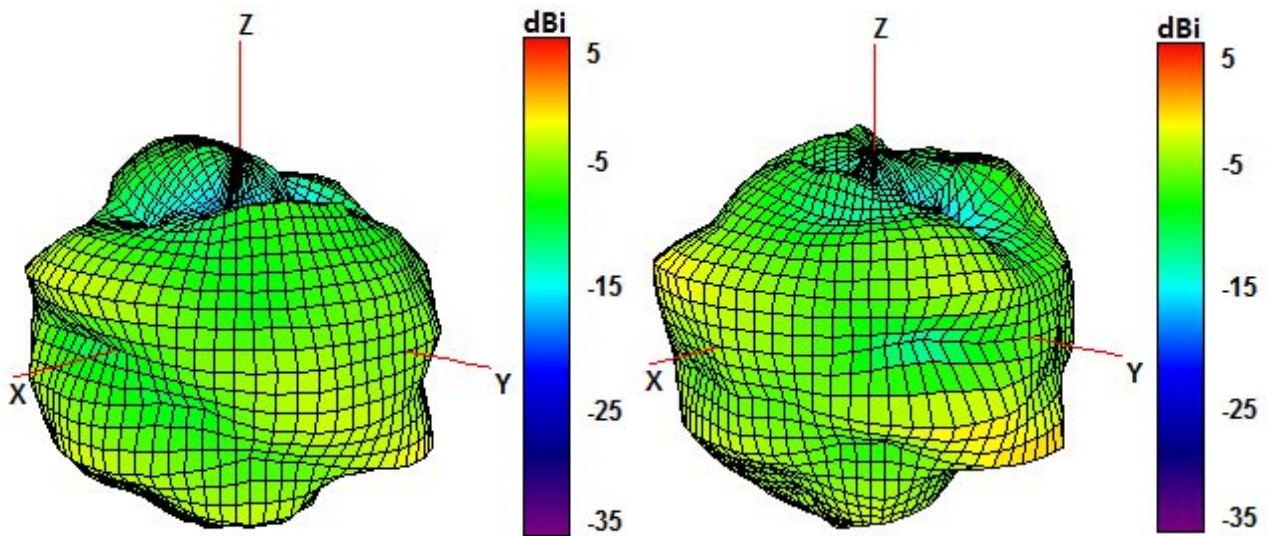




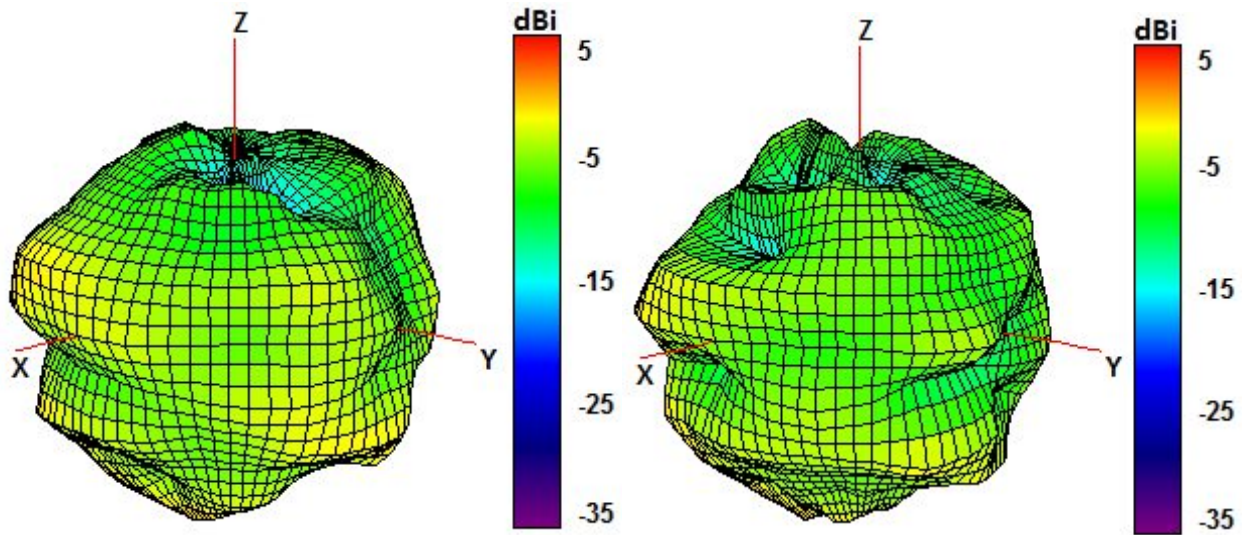
Radiation pattern reference



850 and 940 MHz Radiation pattern

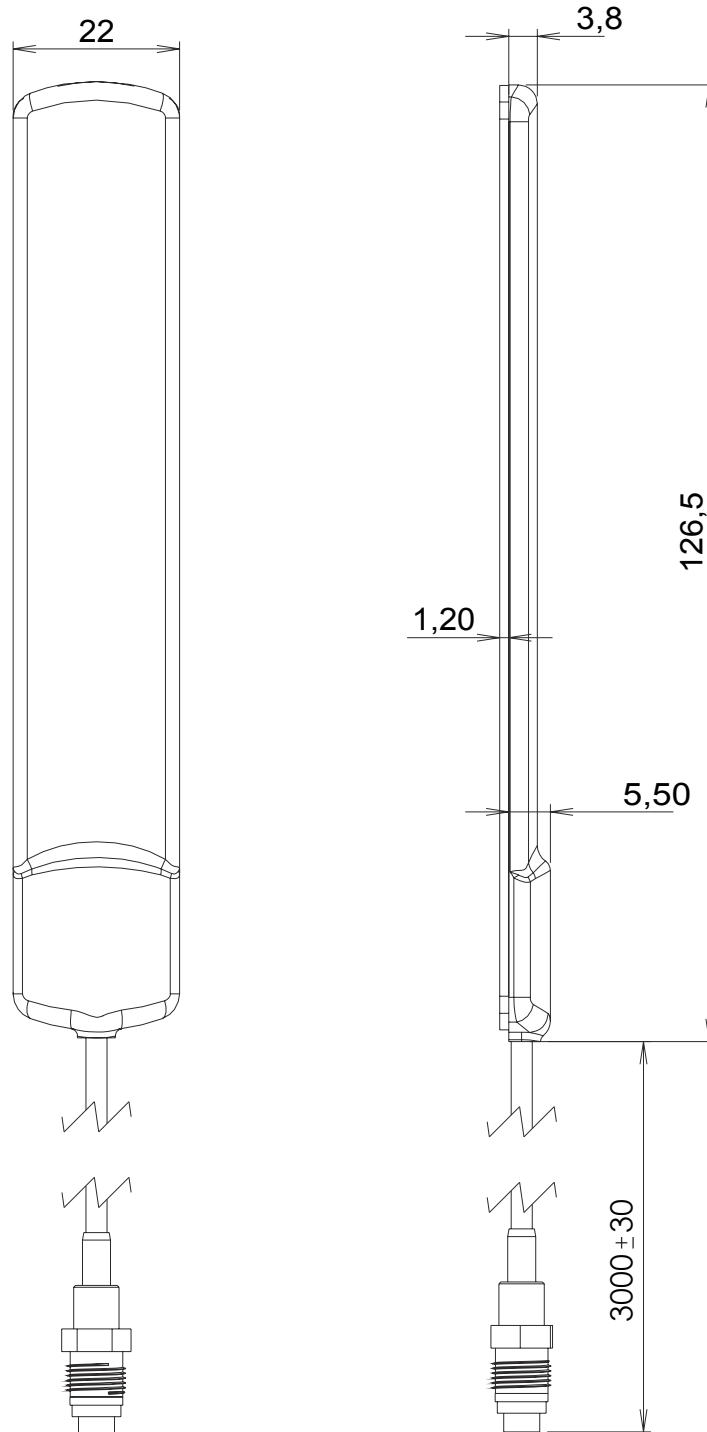


1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

## 4. Antenna drawings





## 5. Antenna Images

