

# 2JF0724P

CELLULAR / LTE Flexible Polymer

## Key Features

### CELLULAR / LTE

- 698-960 MHz
- 1710-2170 MHz
- 2500-2700 MHz

Self-Adhesive

High Performance

Flexible Material

Ground Plane Independent

Dimensions 70.4 x 26.4 x 0.3 mm

Customizable Cable and Connector



## 1. Antenna and electrical specifications

Parameters	CELLULAR / LTE Antenna		
<b>Standards</b>	2G,3G and 4G		
<b>Band (MHz)</b>	700/850/900	1700/1800/1900/2100	2600
<b>Frequency (MHz)</b>	698-960	1710-2170	2500-2700
<b>Return Loss (dB)</b>	~-6.6	~-13.4	~-6.0
<b>VSWR</b>	~3.4:1	~1.6:1	~3.1:1
<b>Efficiency (%)</b>	~68.0	~80.6	~55.6
<b>Peak Gain (dBi)</b>	~3.4	~4.2	~3.4
<b>Average Gain (dB)</b>	~-1.9	~-0.9	~-2.6
<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>	U.FL Standard (Other Connectors Available)		
<b>Cable Length</b>	150mm Standard (Any Cable Length Available)		
<b>Cable Type</b>	1.37mm Mini-Coax Standard (Other Cables Available)		

### Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate with 2.5 mm Thickness

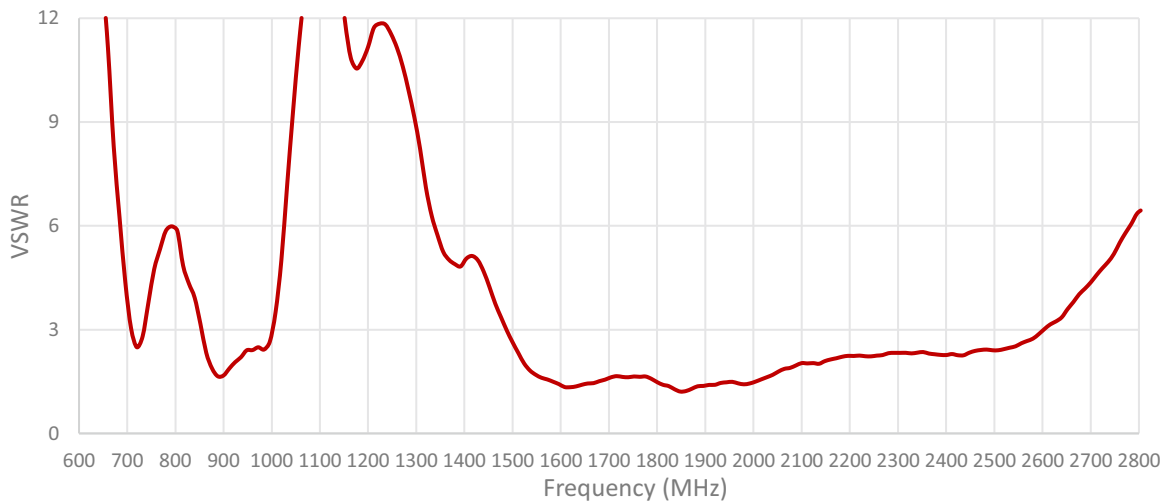
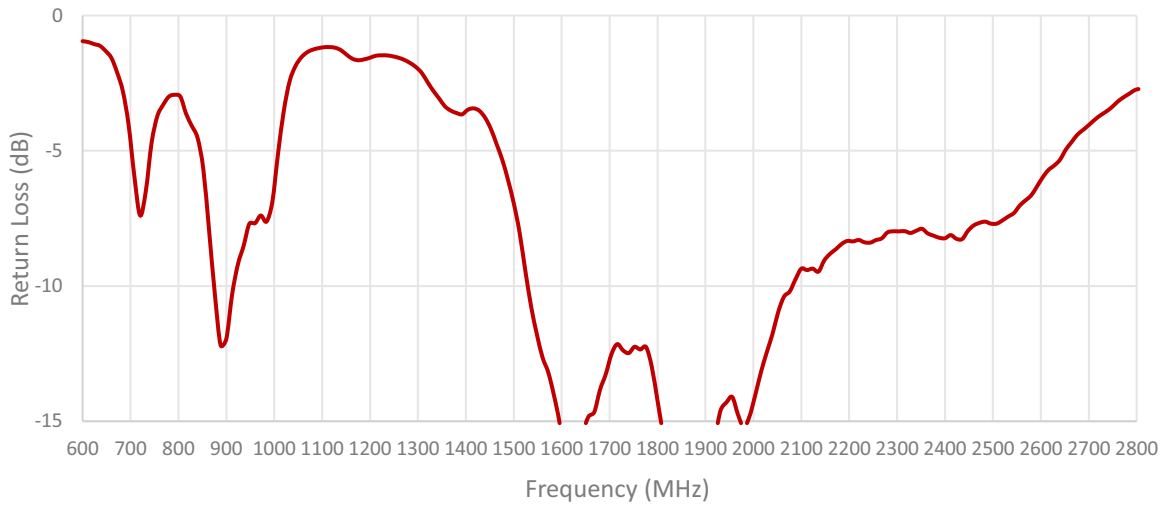
150 mm of 1.37 mm Mini-Coax Cable

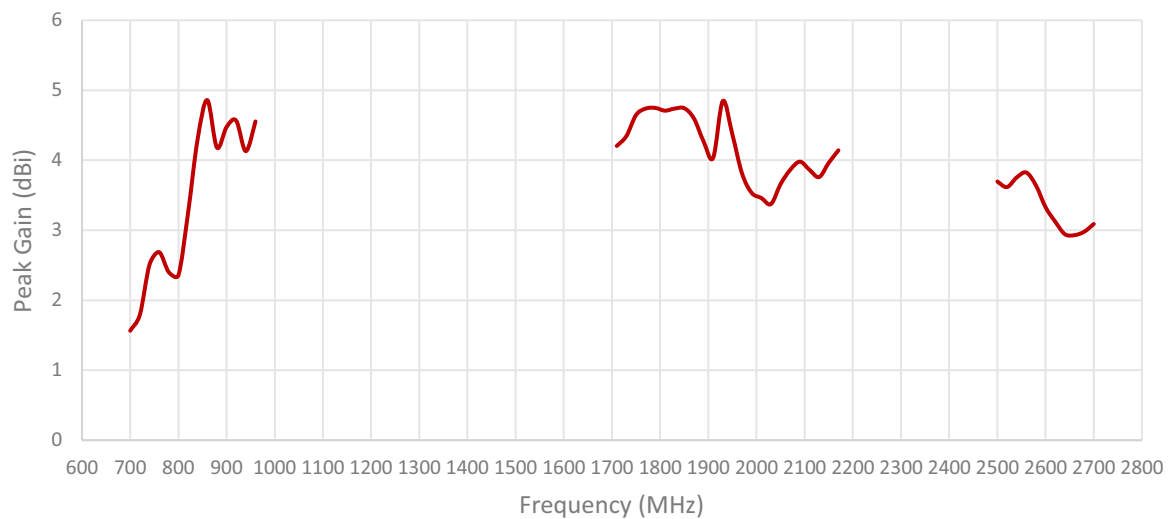
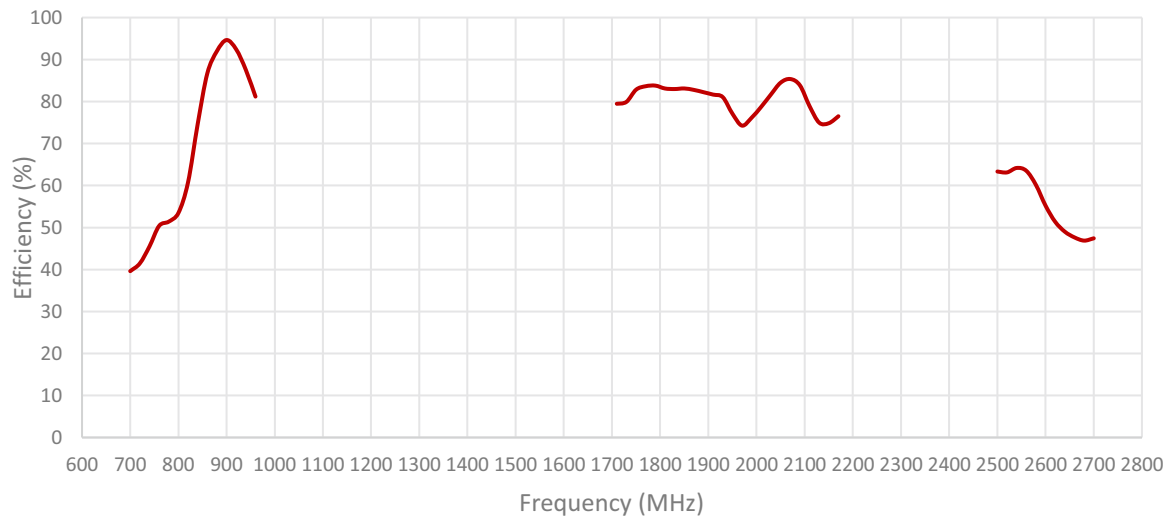
Measured in Certified CTIA 3D Anechoic Chamber

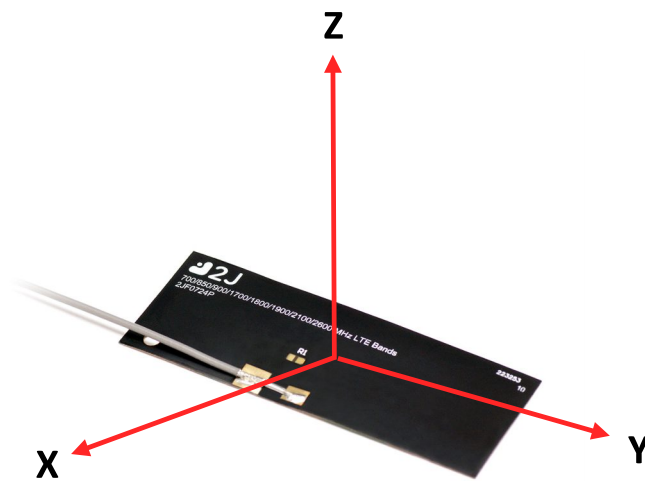
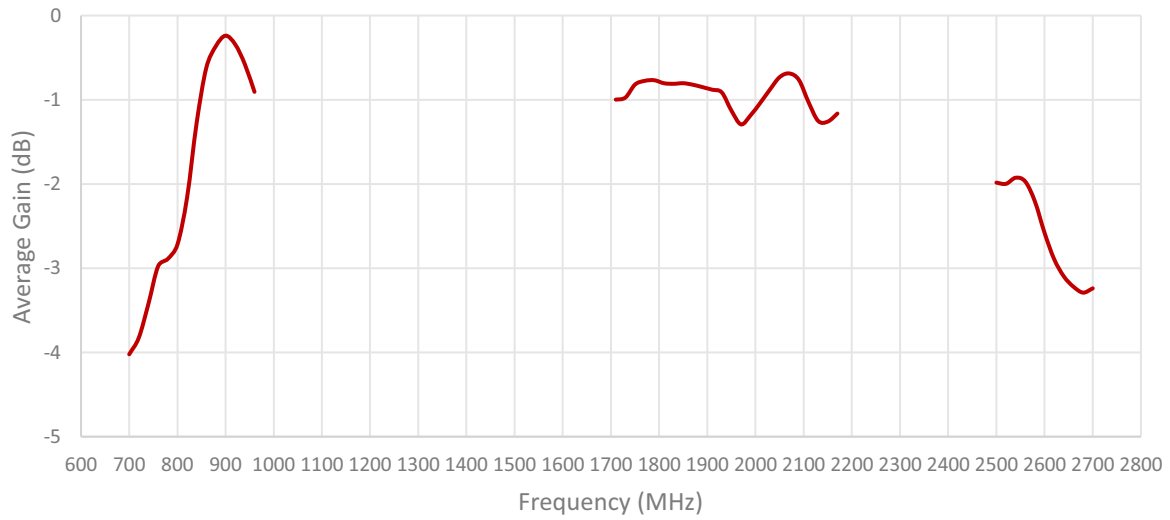
## 2. Mechanical and environmental specifications

Specifications	2JF0724P
<b>Mounting Type</b>	Self-Adhesive
<b>Dimensions (mm)</b>	70.4 x 26.4 x 0.3
<b>Material</b>	Flexible Polymer
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

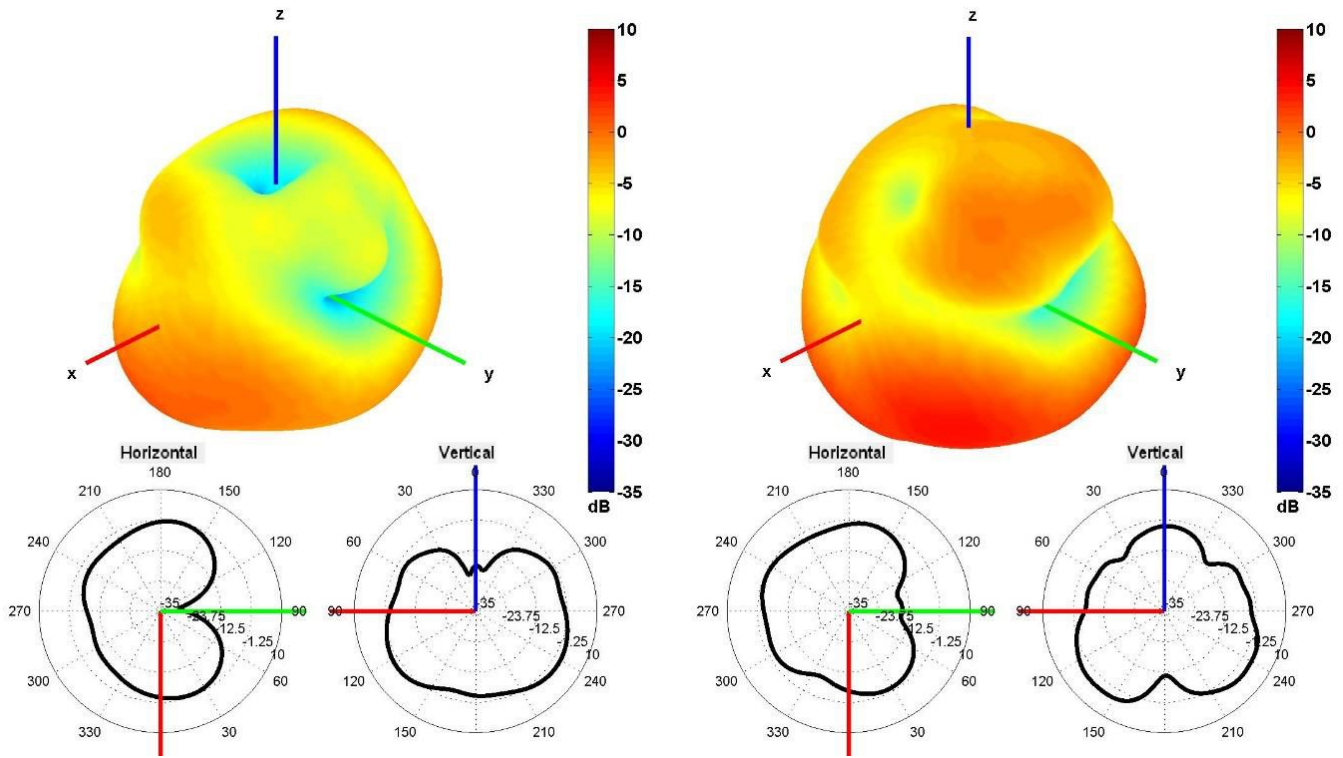
## 3. Antenna parameters



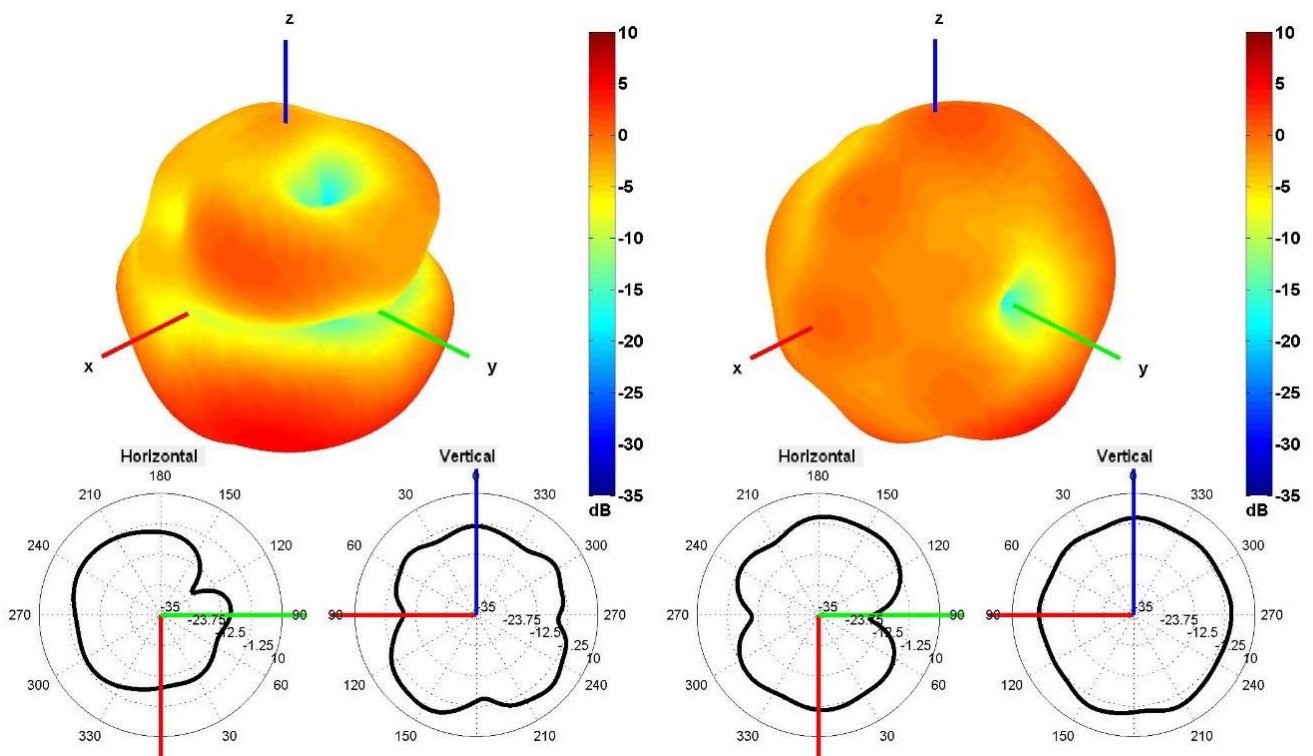




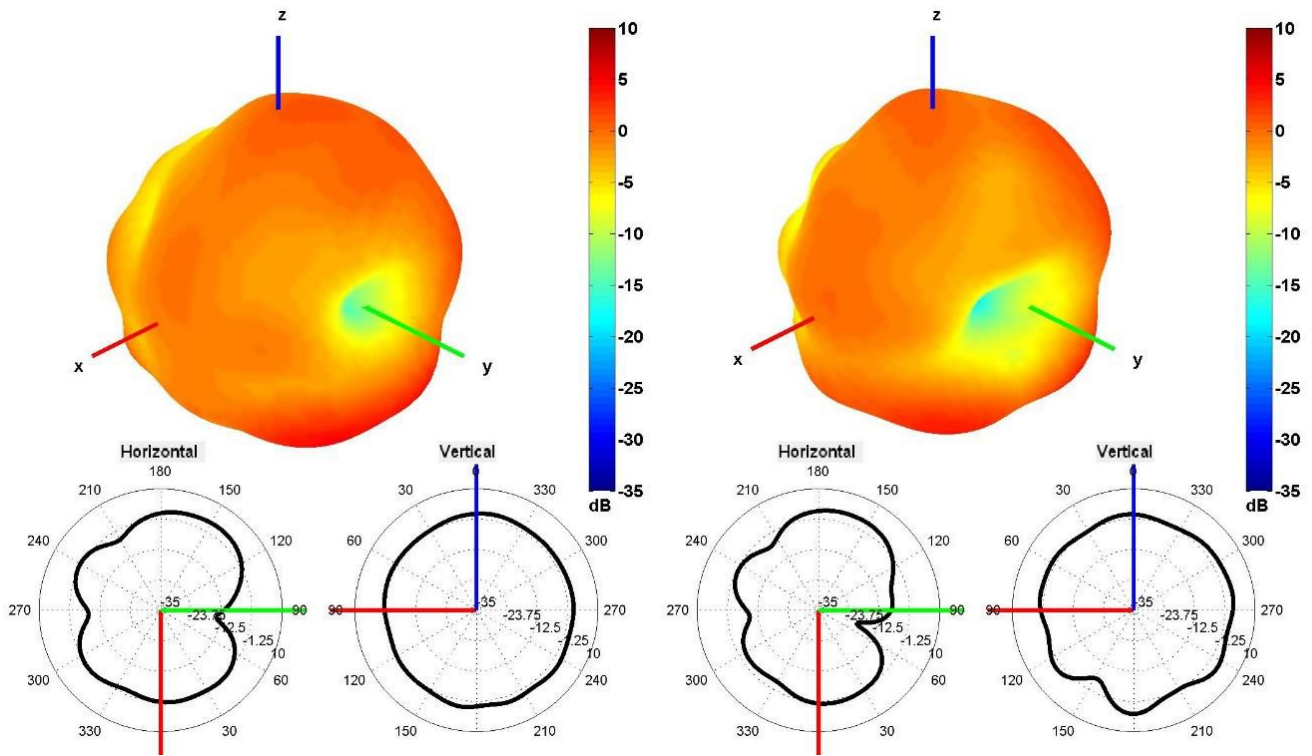
Radiation pattern reference



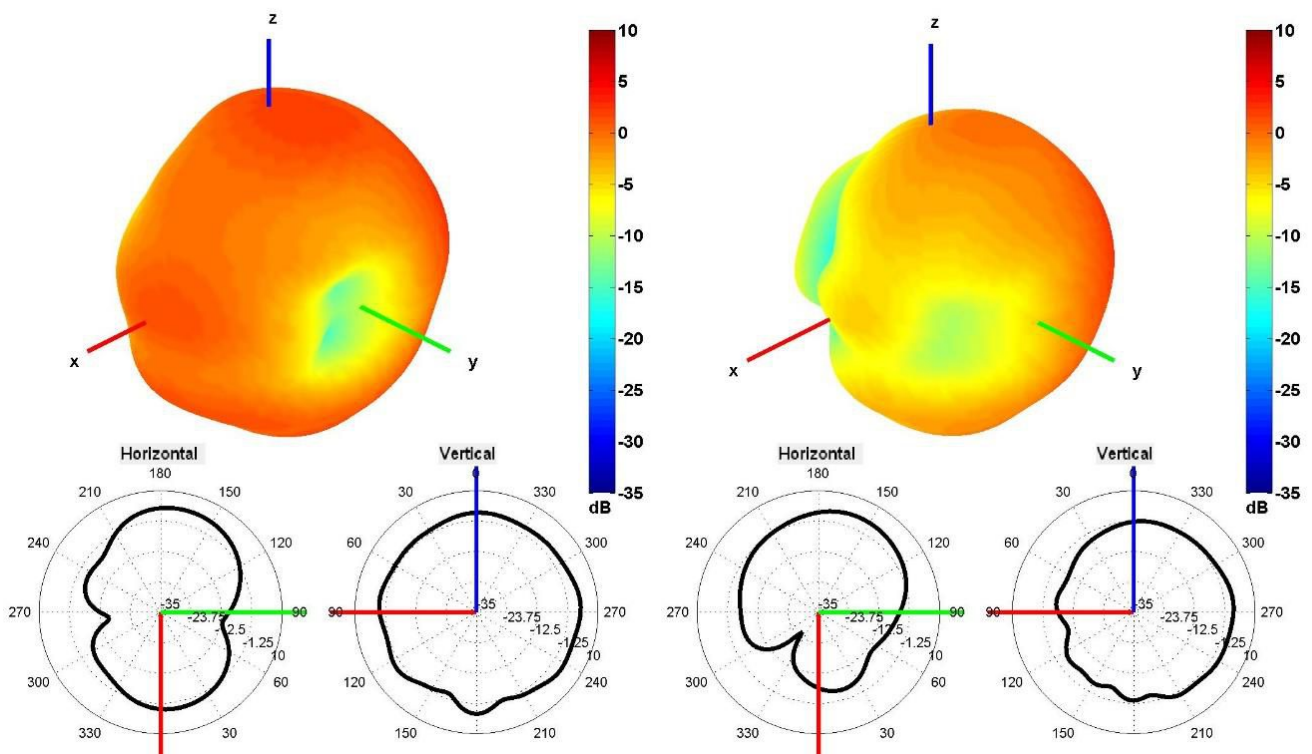
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

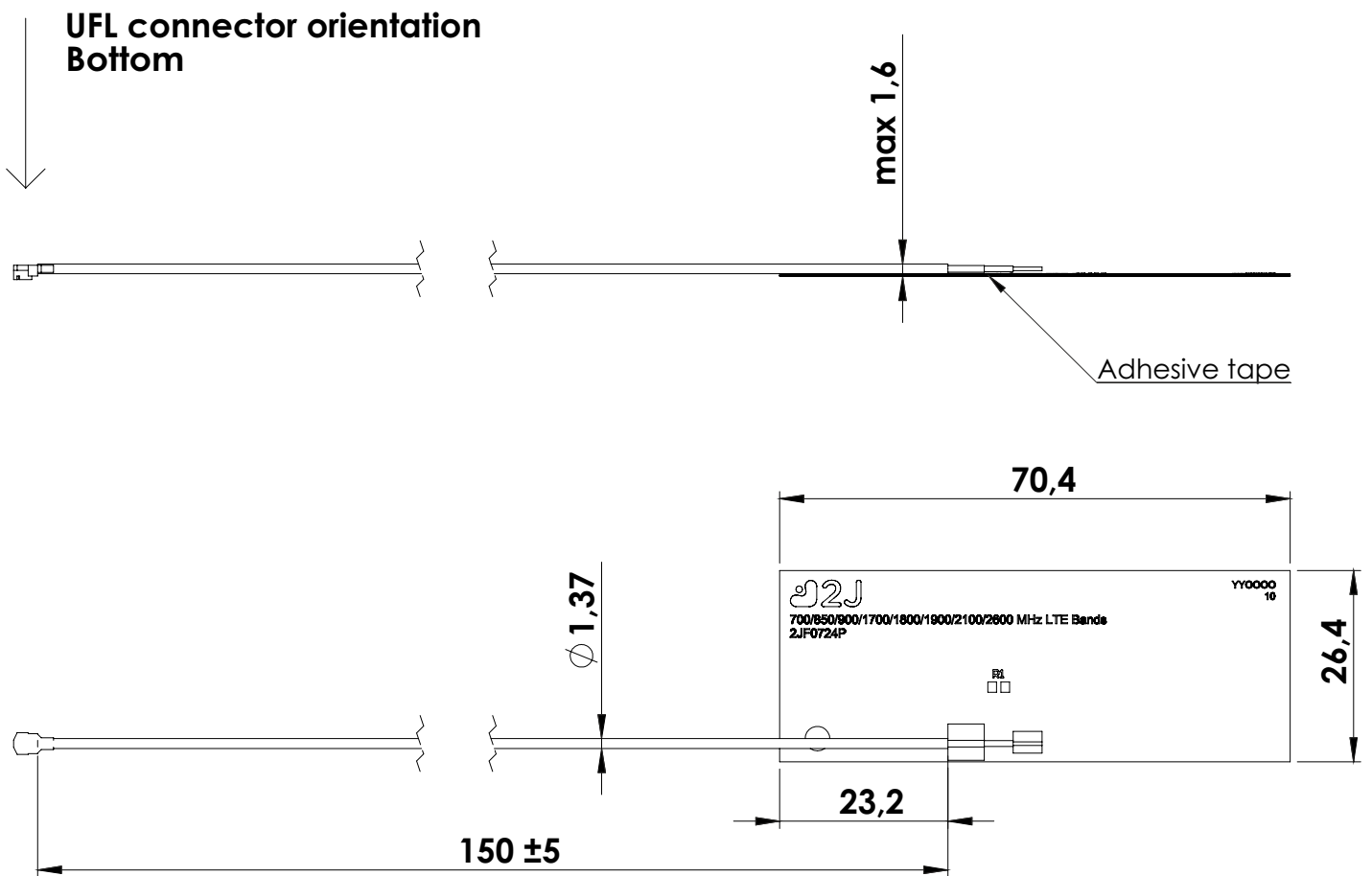


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

## 4. Antenna drawings





## 5. Antenna Images

