

# 2JF1224P

## 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 90 × 14 × 0.2 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>	~-7.7	~-14.4	~-12.8
<b>VSWR</b>	~2.5:1	~1.6:1	~1.7:1
<b>Efficiency (%)</b>	~48.6	~60.0	~60.1
<b>Peak Gain (dBi)</b>	~0.5	~3.7	~2.6
<b>Average Gain (dB)</b>	~-3.4	~-2.2	~-2.3
<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

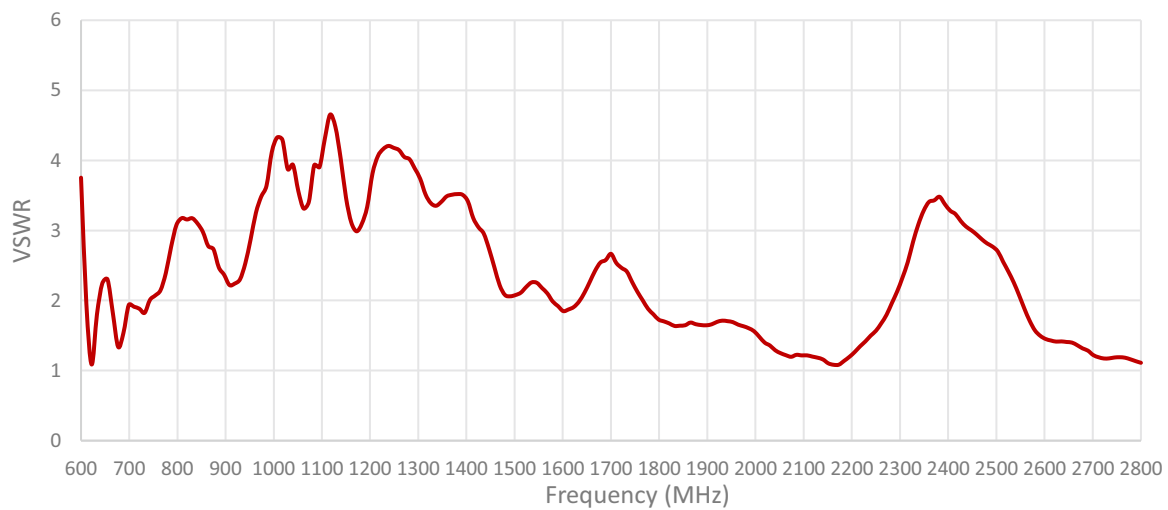
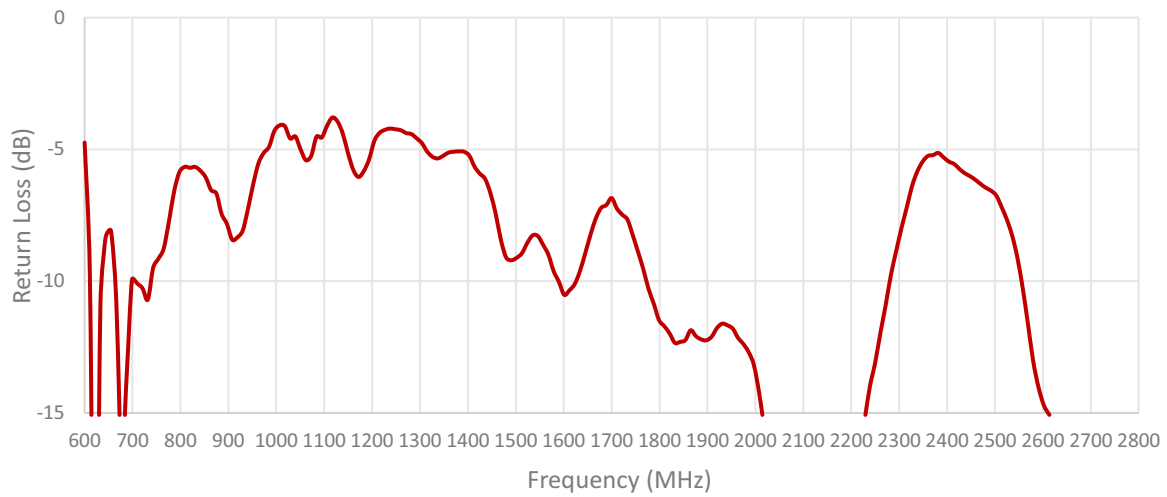
150 mm of 1.37 mm Mini-Coax Cable

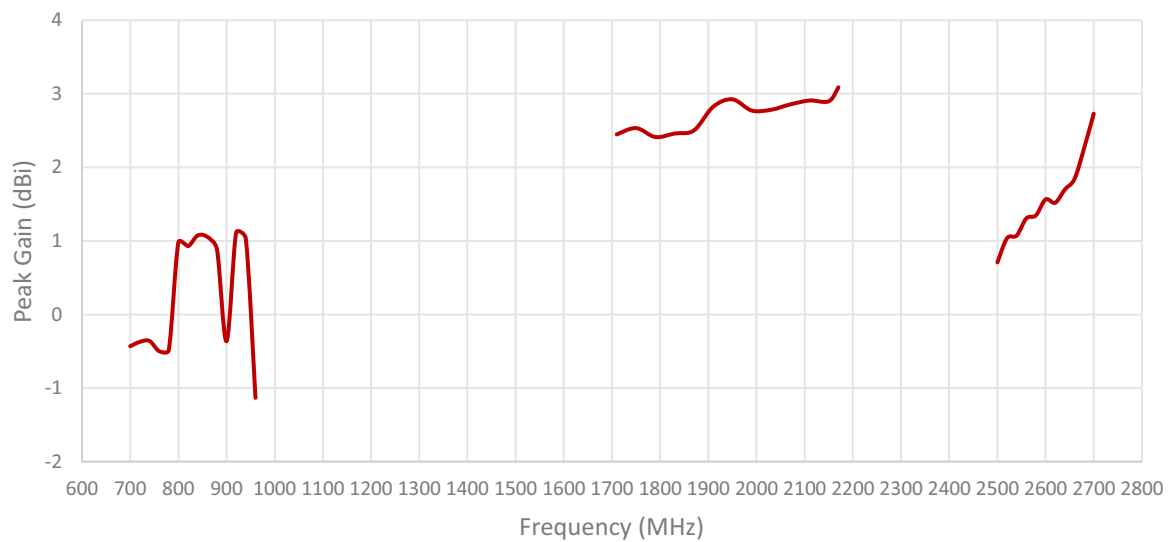
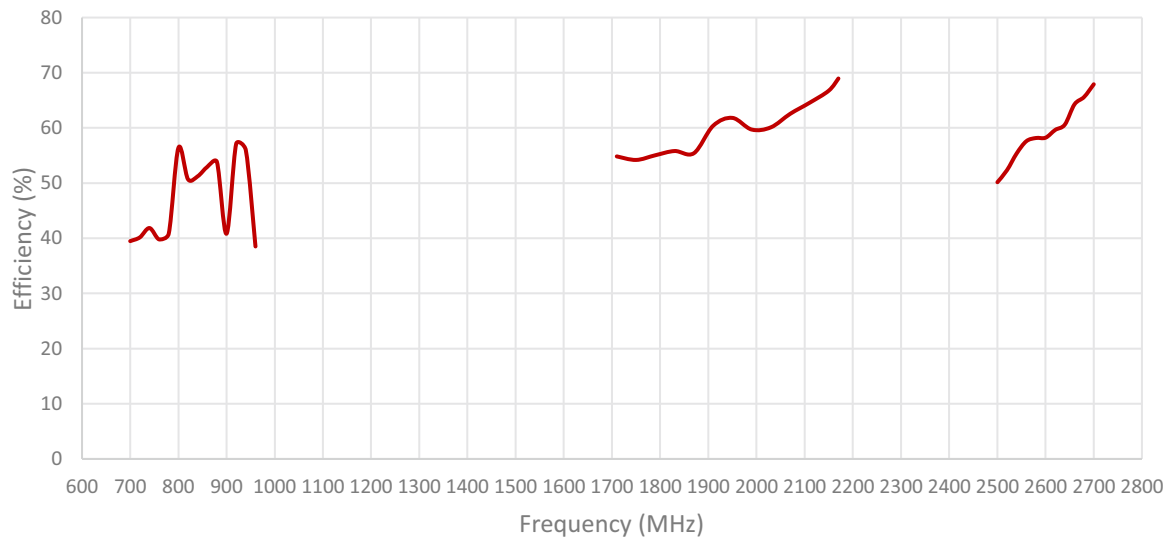
Measured in Certified CTIA 3D Anechoic Chamber

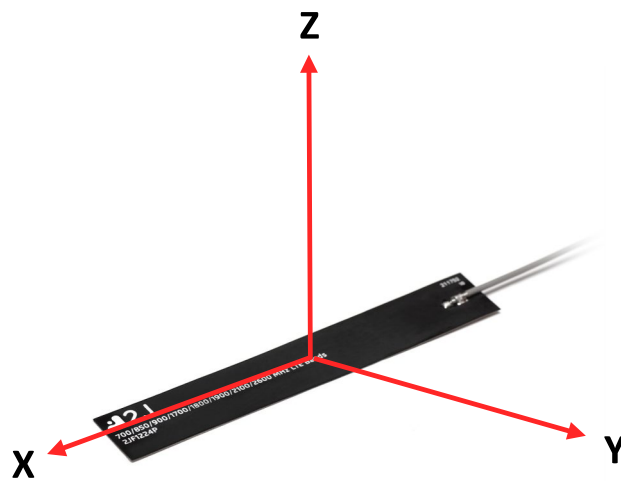
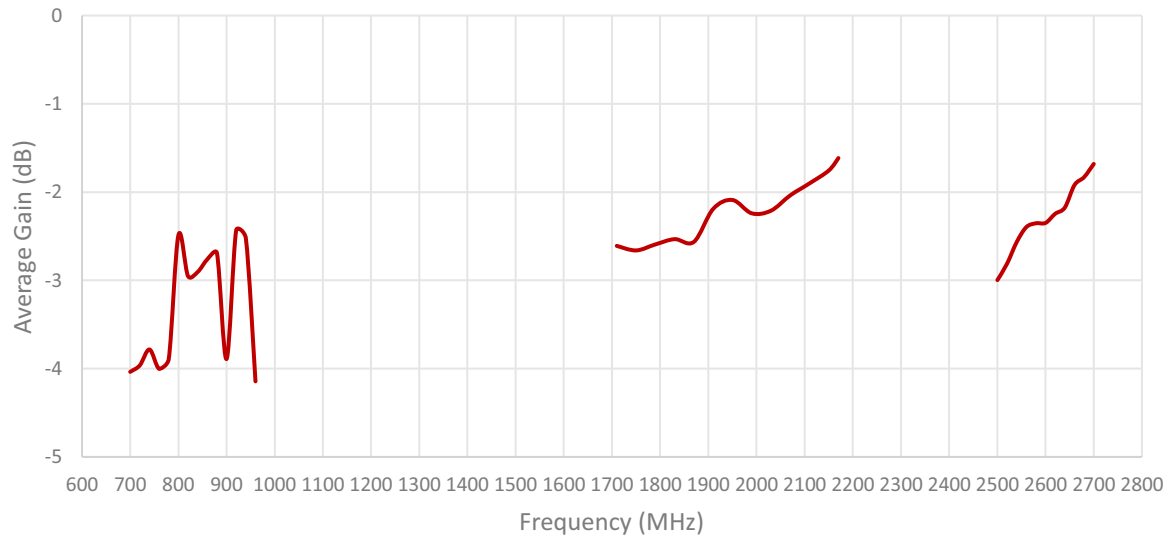
## 2. Mechanical and environmental specifications

Specifications	2JF1224P
<b>Mounting Type</b>	Self-Adhesive
<b>Dimensions (mm)</b>	90 × 14 × 0.2
<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

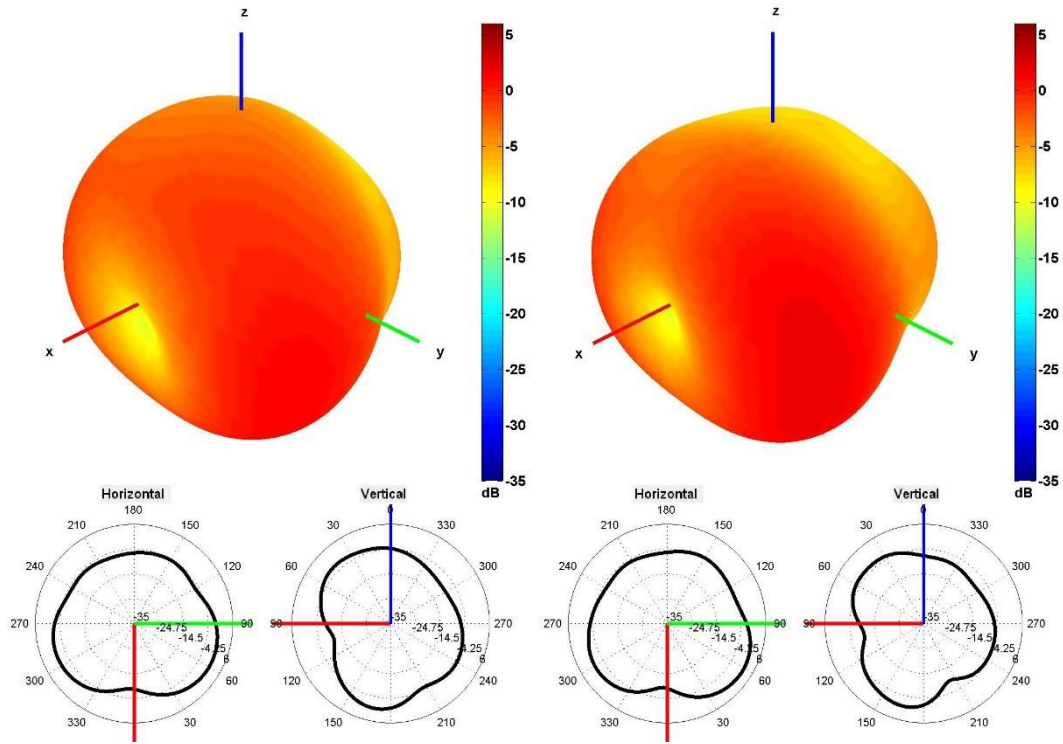
## 3. Antenna parameters



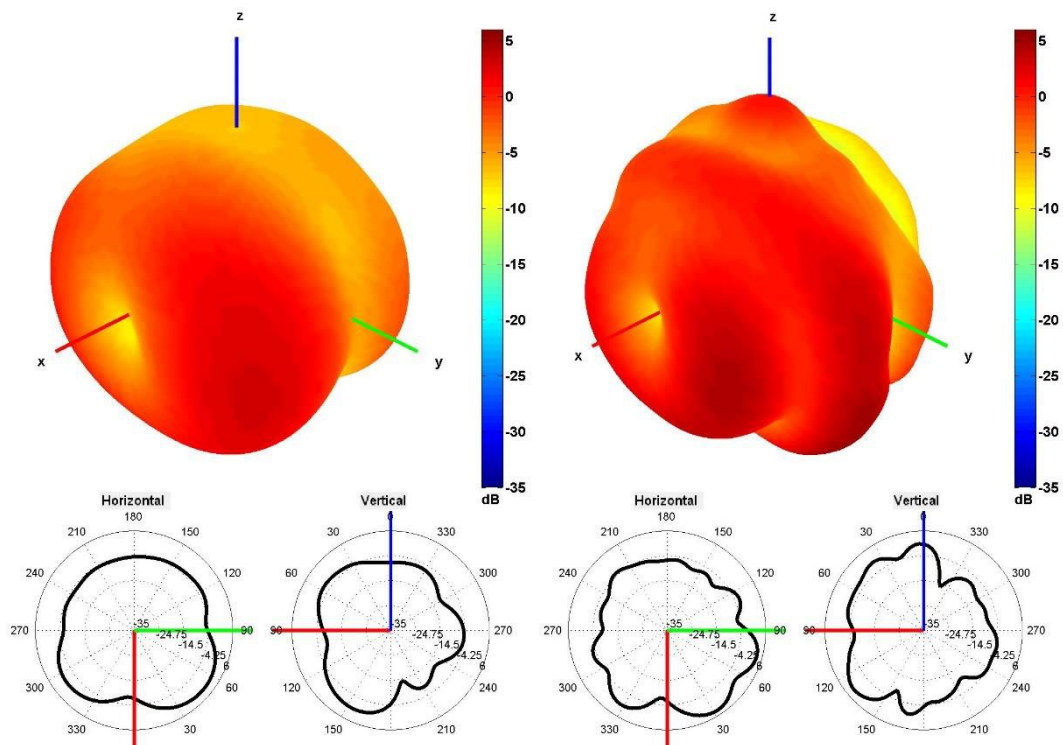




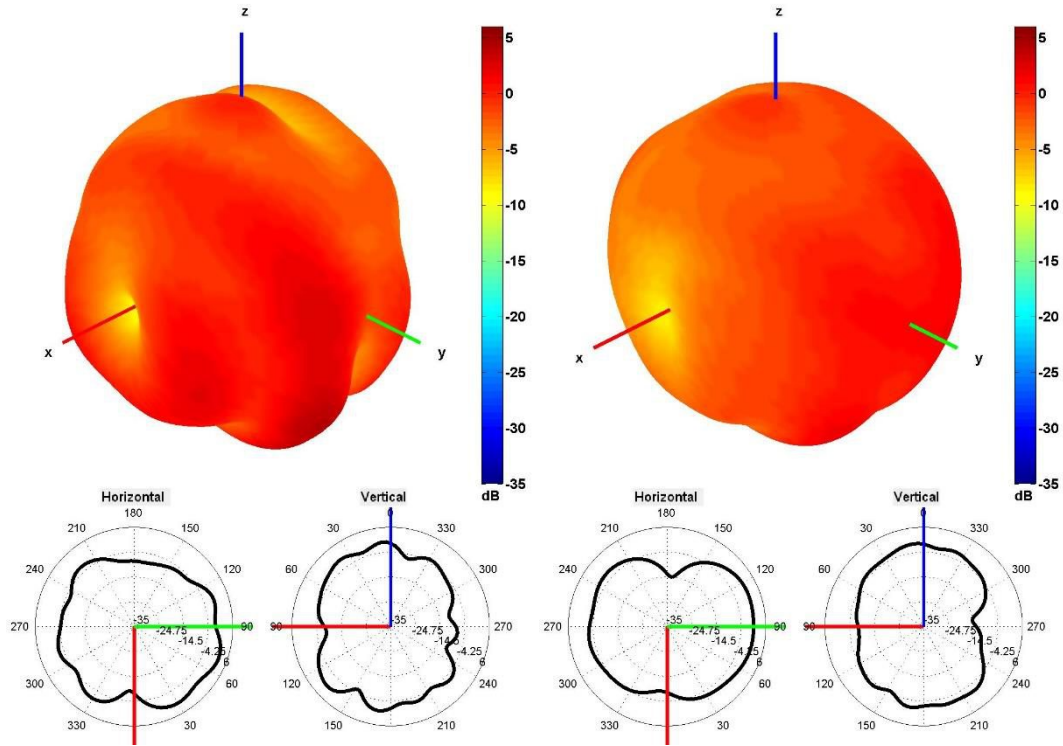
Radiation pattern reference



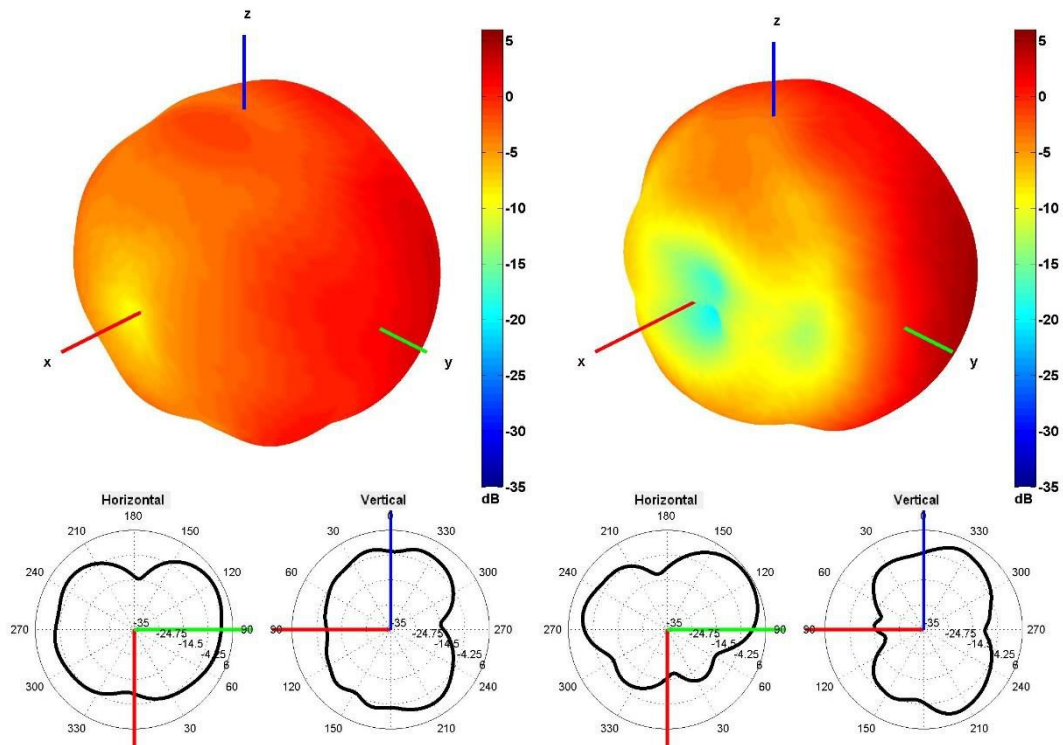
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

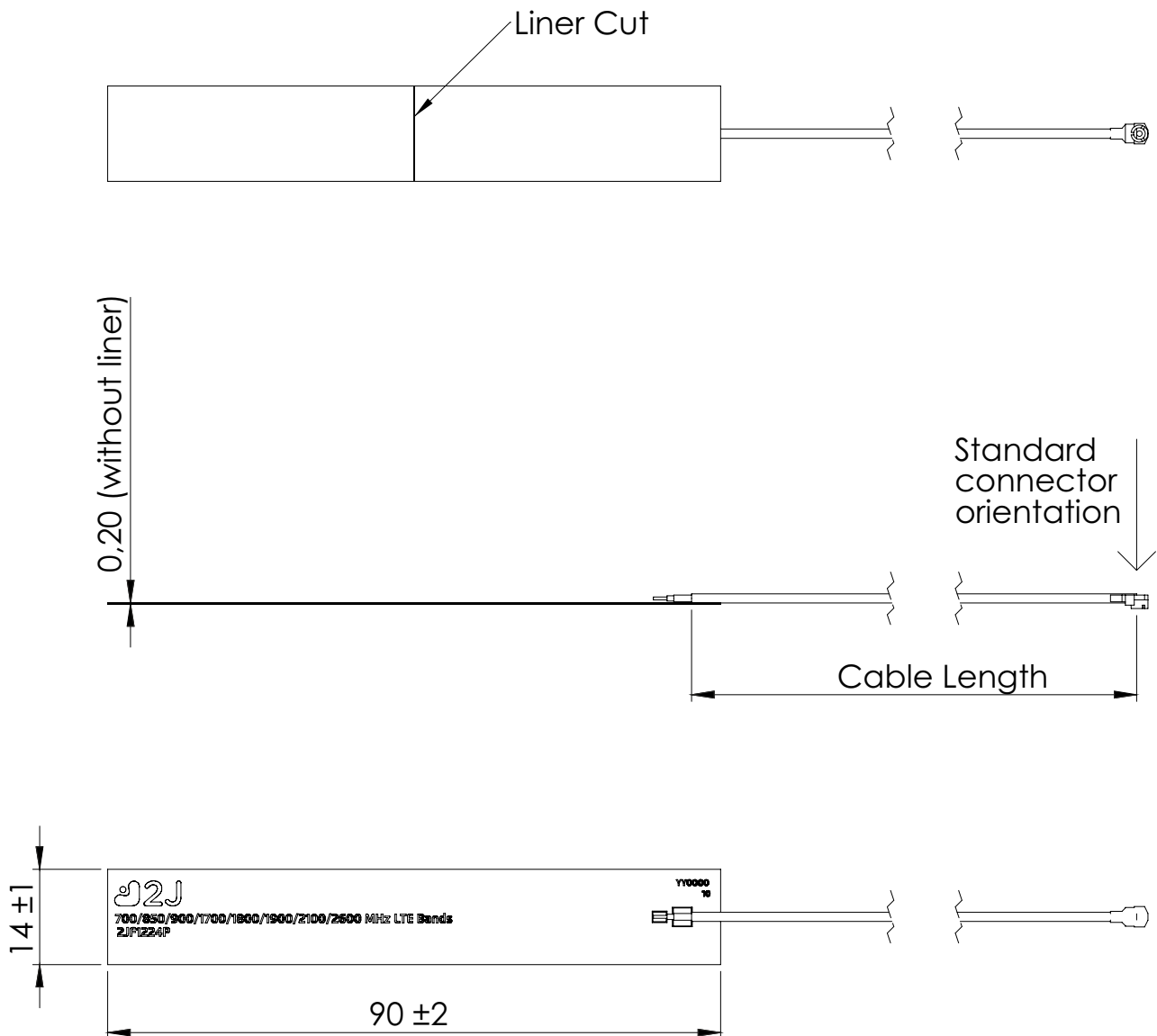


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

## 4. Antenna drawings





## 5. Antenna Images

