

## 2J5124P

### CELLULAR / LTE Adhesive Mount

#### Key Features

##### CELLULAR / LTE

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

Adhesive Mount

Flexible Housing

Compact Size

High Performance

Optional Antenna Detection Resistor

Customizable Cable and Connector

Dimensions 122 x 14 x 6 mm



## 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>	~-11.5	~-14.4	~-11.5
<b>VSWR</b>	~2.0:1	~1.5:1	~1.8:1
<b>Efficiency (%)</b>	~53	~52	~41
<b>Peak Gain (dBi)</b>	~2	~4.1	~4.1
<b>Average Gain (dB)</b>	~-2.8	~-2.8	~-3.9
<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>	Most RF Connectors (SMA-Male Standard)		
<b>Cable Length</b>	Any Cable Length (300cm Standard)		
<b>Cable Type</b>	Other Cables Available (LMR100 Standard)		

### Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

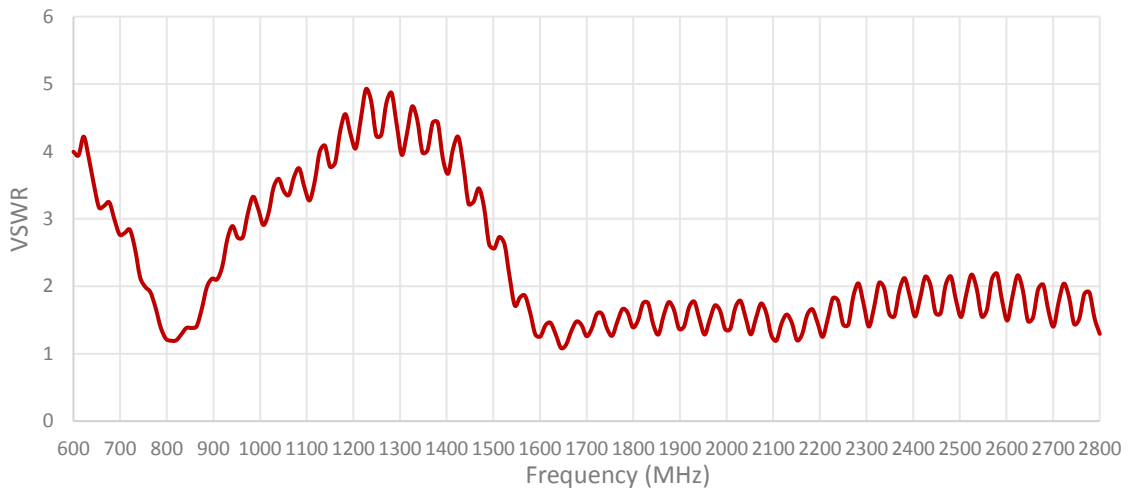
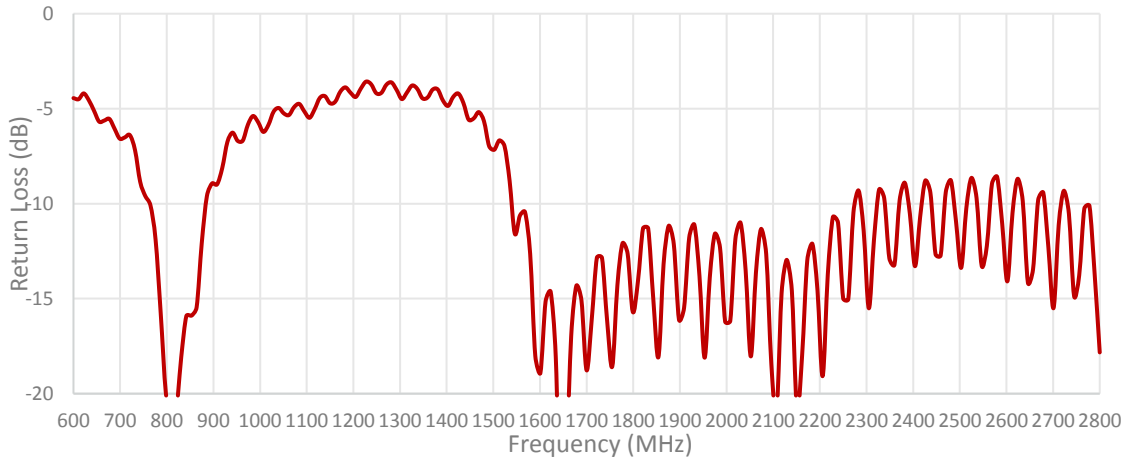
200 cm LMR100 Cable

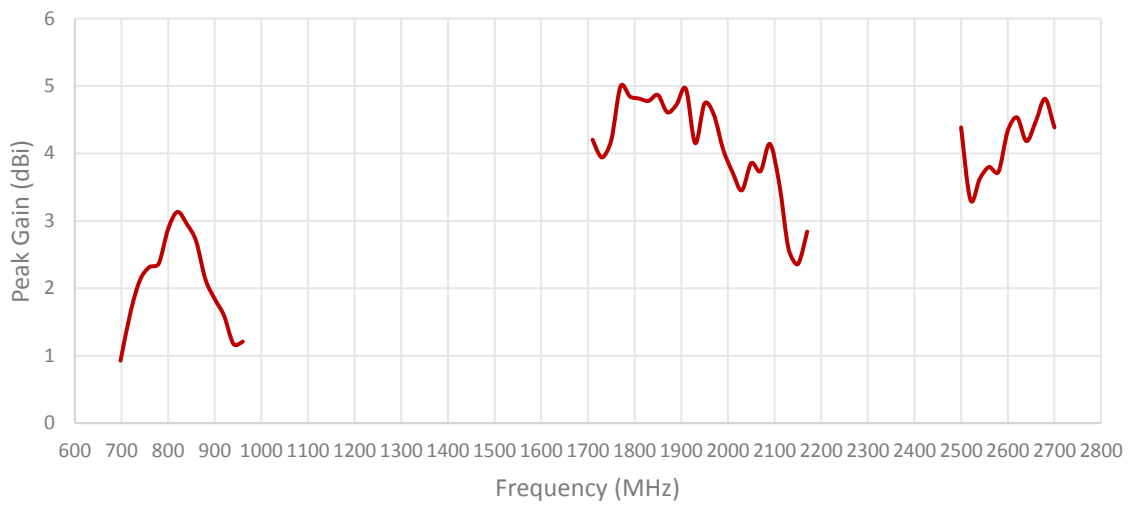
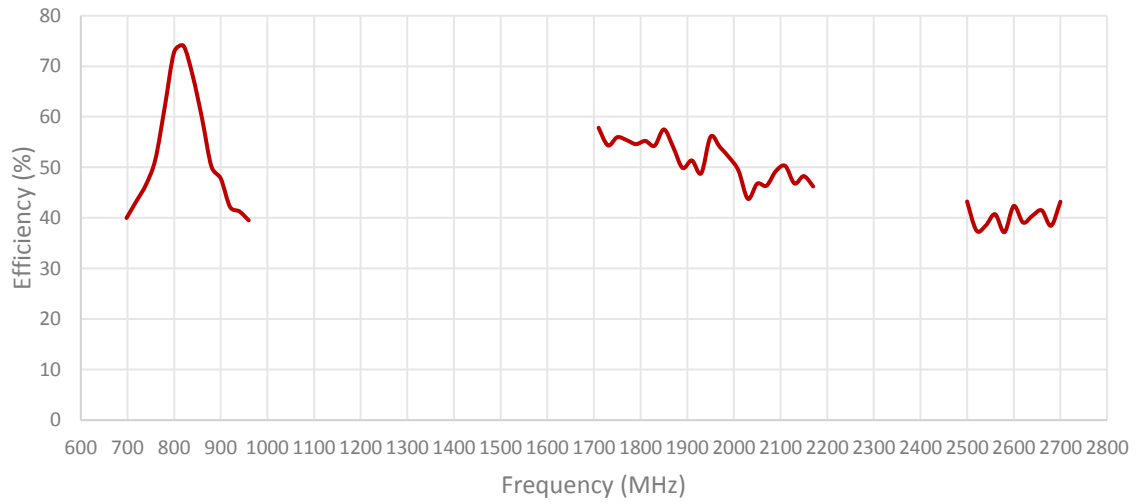
Measured in Certified CTIA 3D Anechoic Chamber

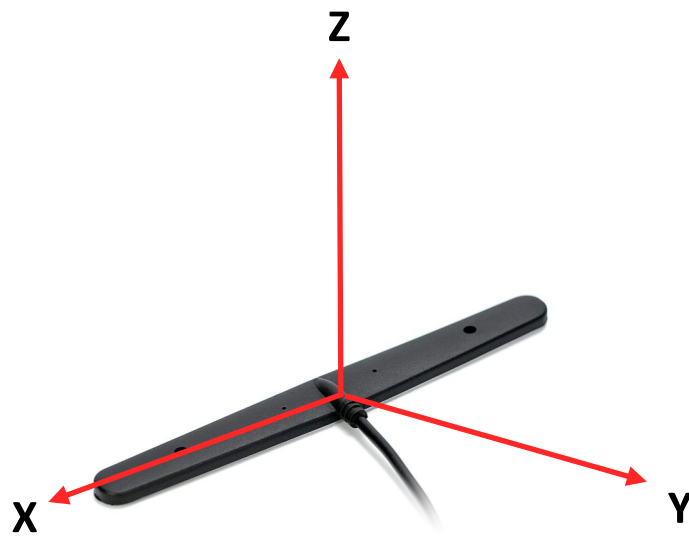
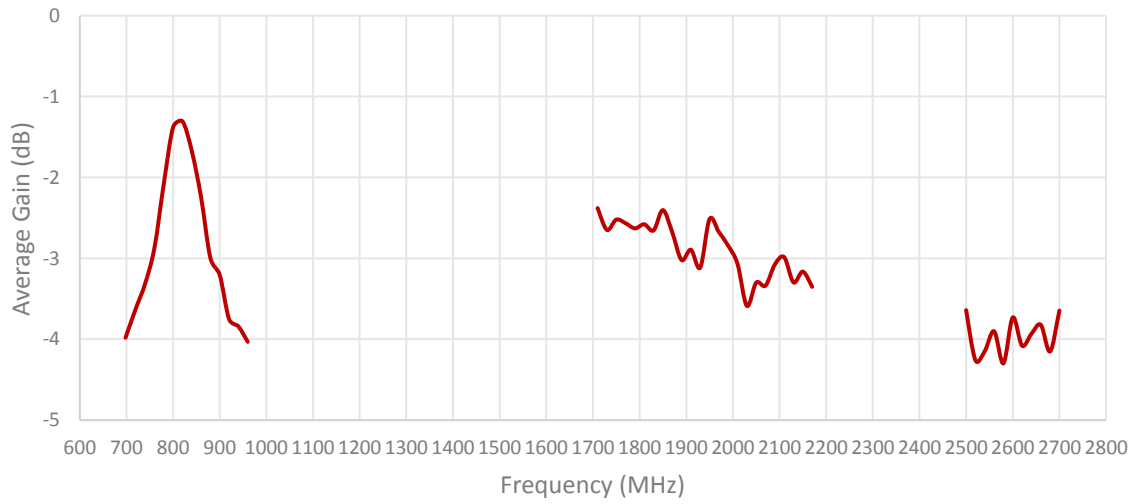
## 2. Mechanical and environmental specifications

Specifications	2J5124P
<b>Mounting Type</b>	Adhesive Mount
<b>Dimensions (mm)</b>	122 x 14 x 6
<b>Radome</b>	TPE
<b>Radome color</b>	Black, White
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

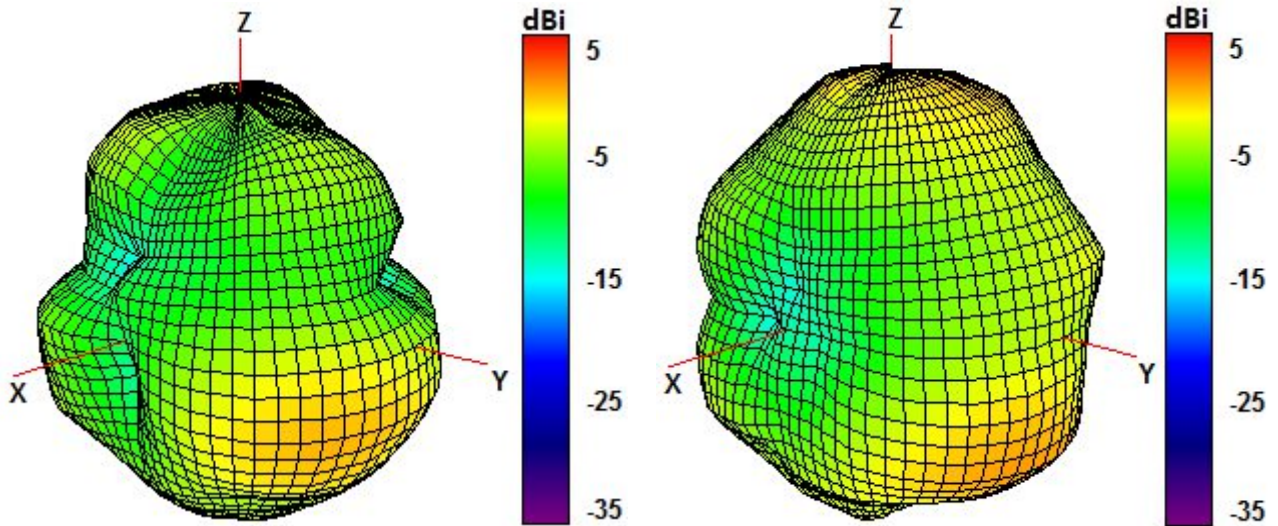
### 3. Antenna parameters



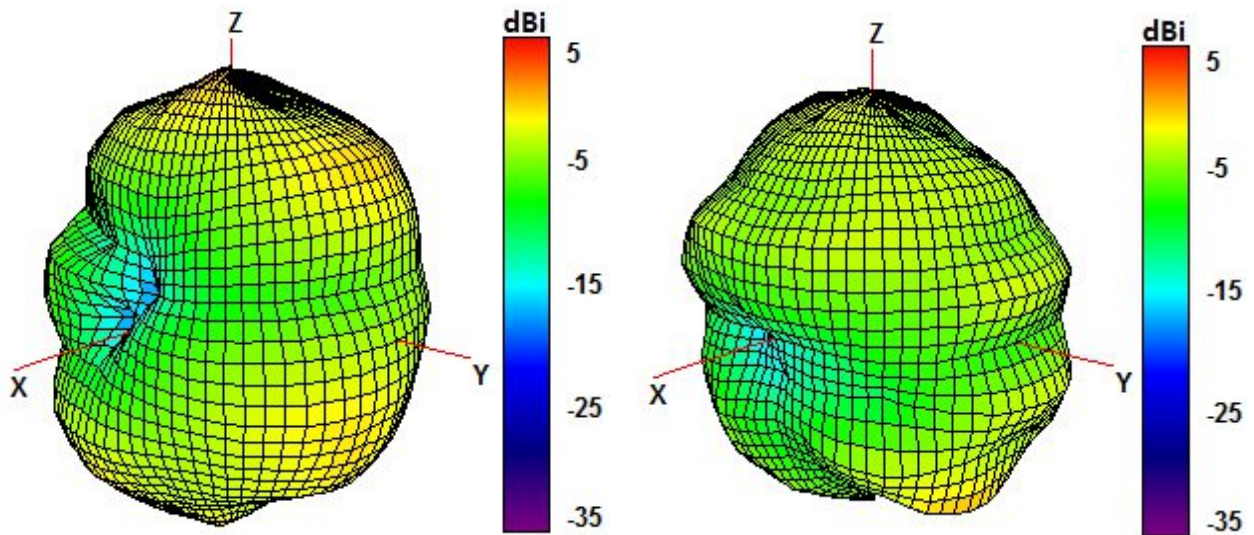




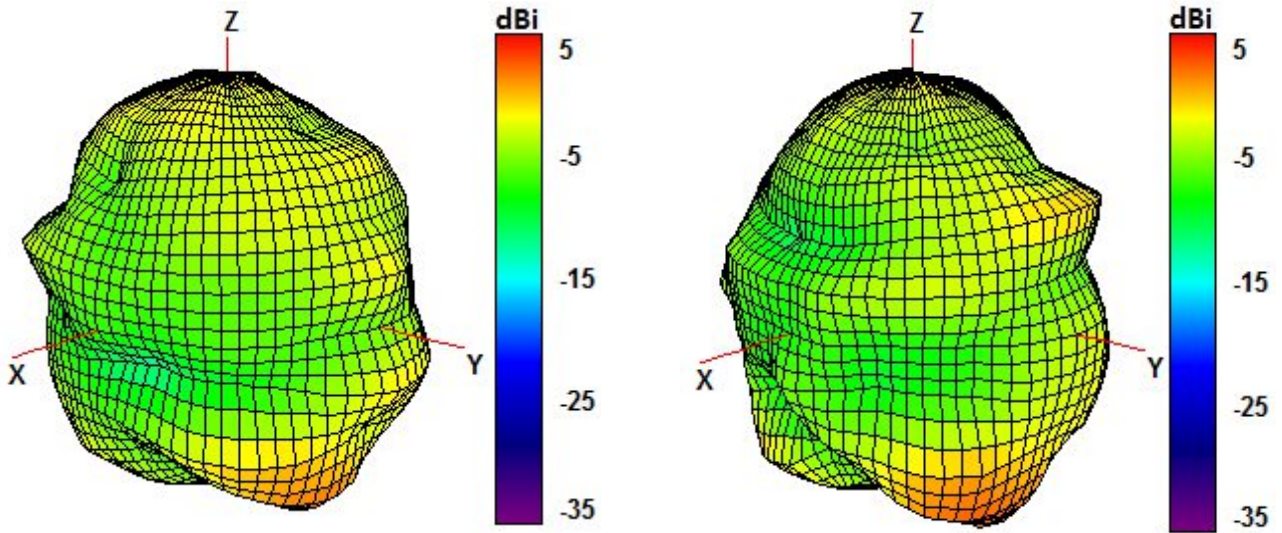
Radiation pattern reference



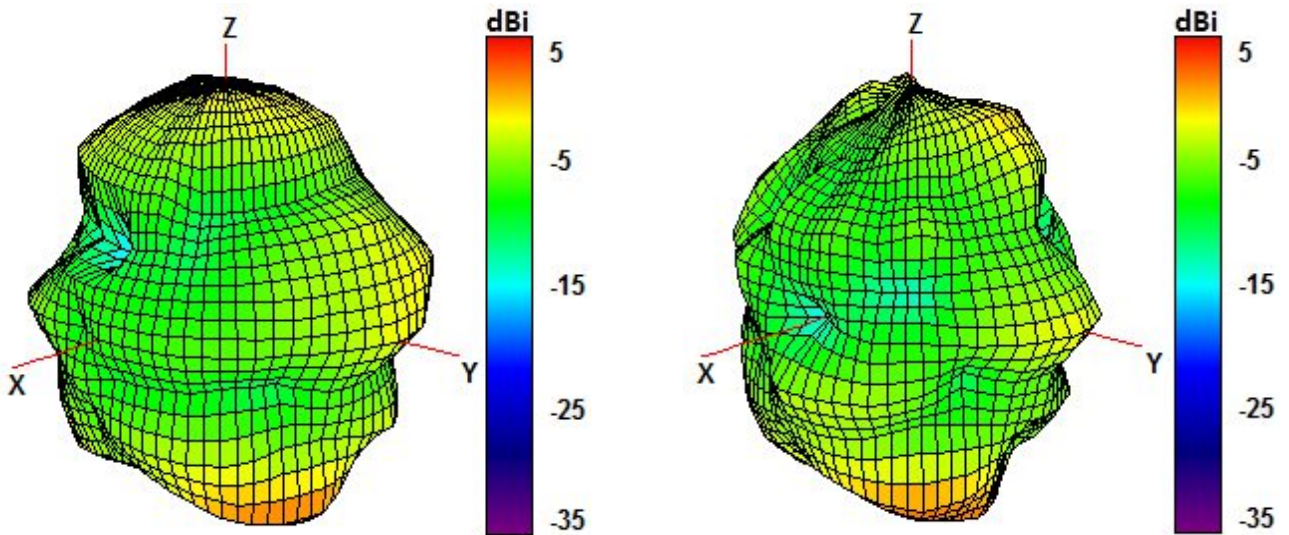
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern



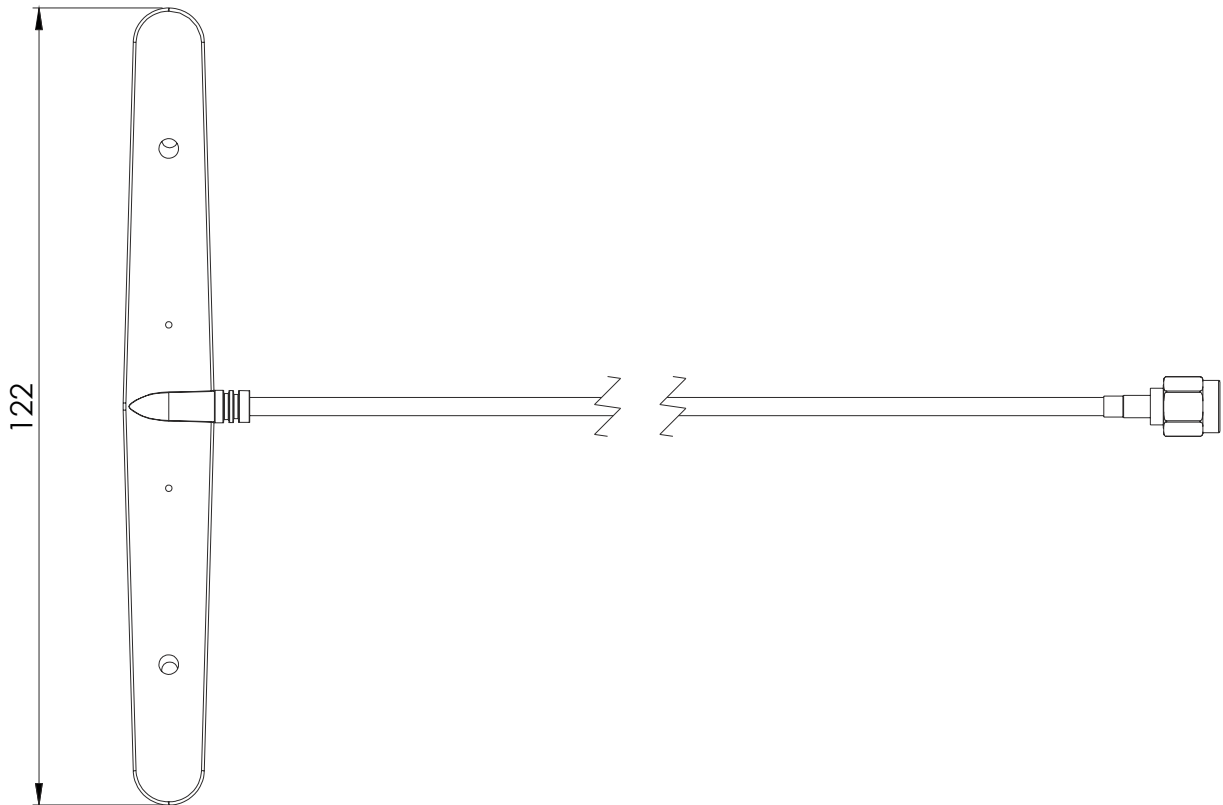
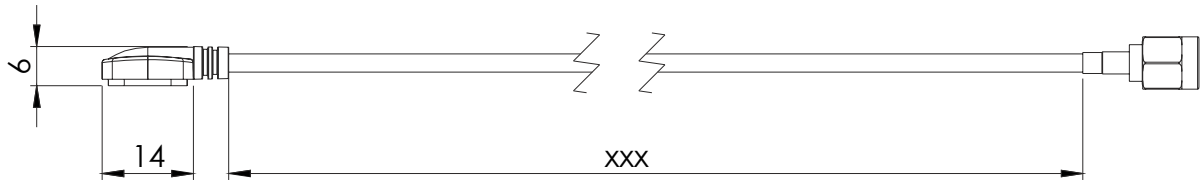
1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern



## 4. Antenna drawings





## 5. Antenna Images

