

# 2J5424HP

## CELLULAR / LTE Wall/Adhesive Mount

### Key Features

#### CELLULAR / LTE

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

Wall/Adhesive Mount

Wide Band Antenna

Ground Plane Independent

Customizable Cable and Connector

Dimensions 112.5 x 60 x 11.3 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>	~-9.8	~-13.9	~-8.6
<b>VSWR</b>	~2.0:1	~1.6:1	~2.3:1
<b>Efficiency (%)</b>	~43.3	~38.8	~22.1
<b>Peak Gain (dBi)</b>	~-4.0	~-0.3	~-1.3
<b>Average Gain (dB)</b>	~-3.7	~-4.1	~-6.6
<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>	Most RF Connectors (SMA-Male Standard)		
<b>Cable Length</b>	Any Cable Length (300cm Standard)		
<b>Cable Type</b>	Other Cables Available (LL195 Standard)		

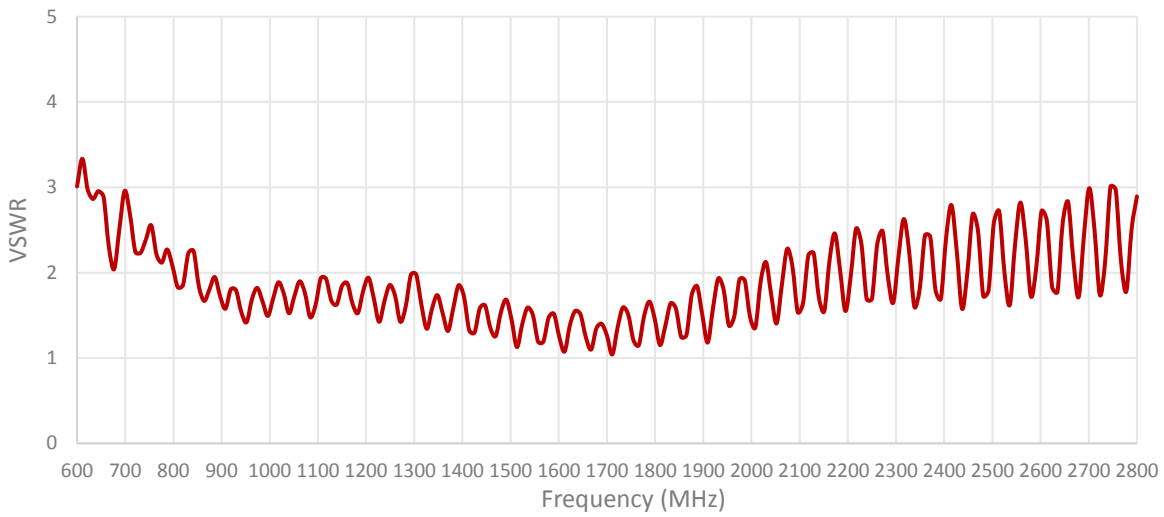
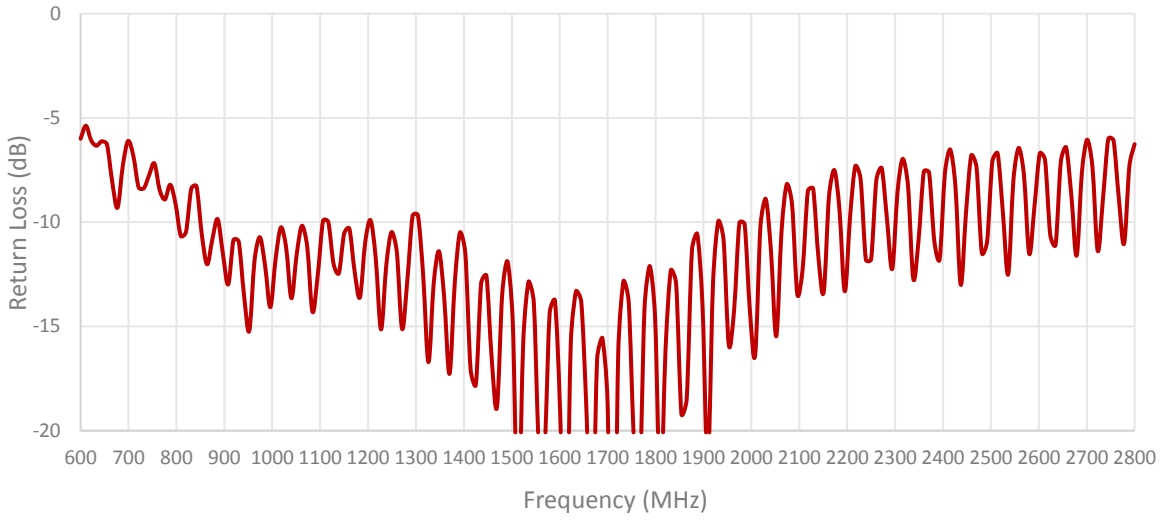
### Antenna Measurement Conditions:

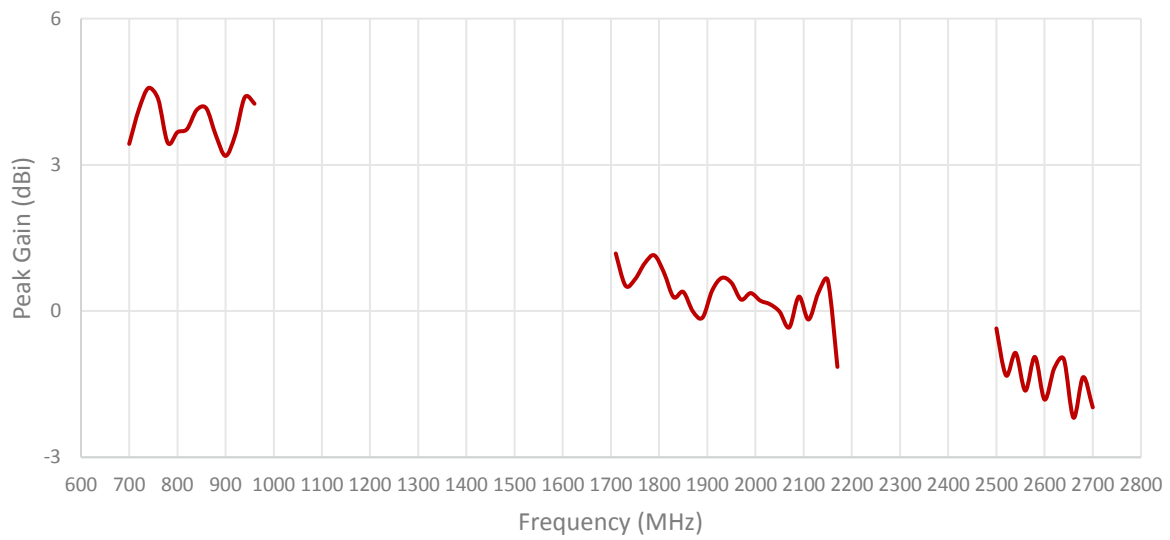
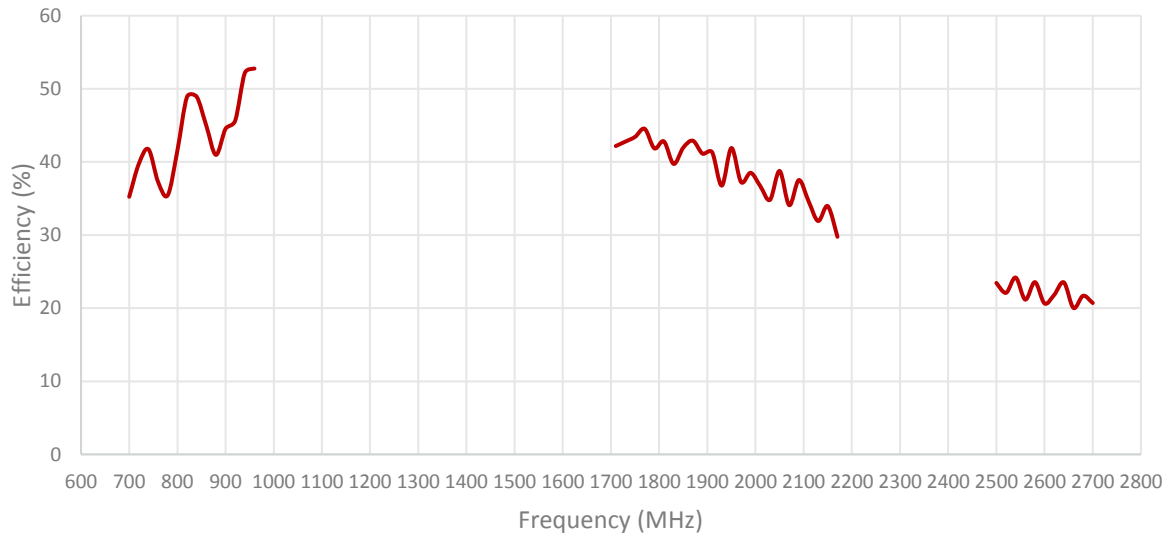
Mounted on 30 x 30 x 0.25 cm ABS Plate  
 200 cm LL195 Cable  
 Measured in Certified CTIA 3D Anechoic Chamber

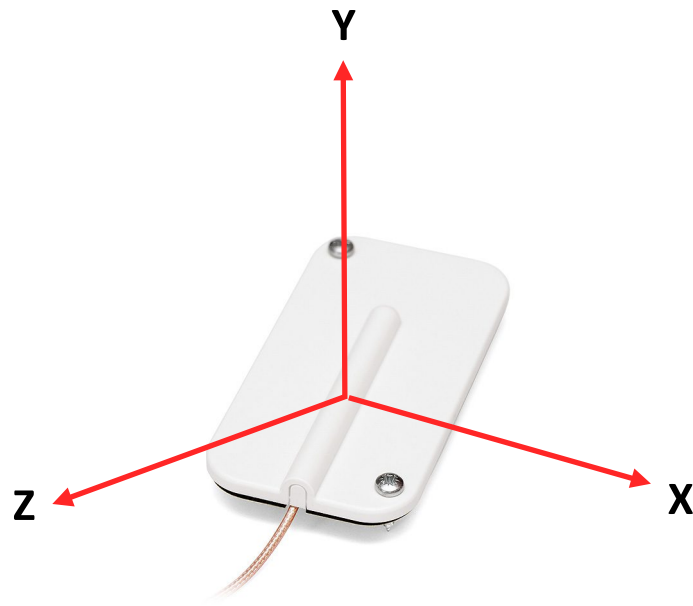
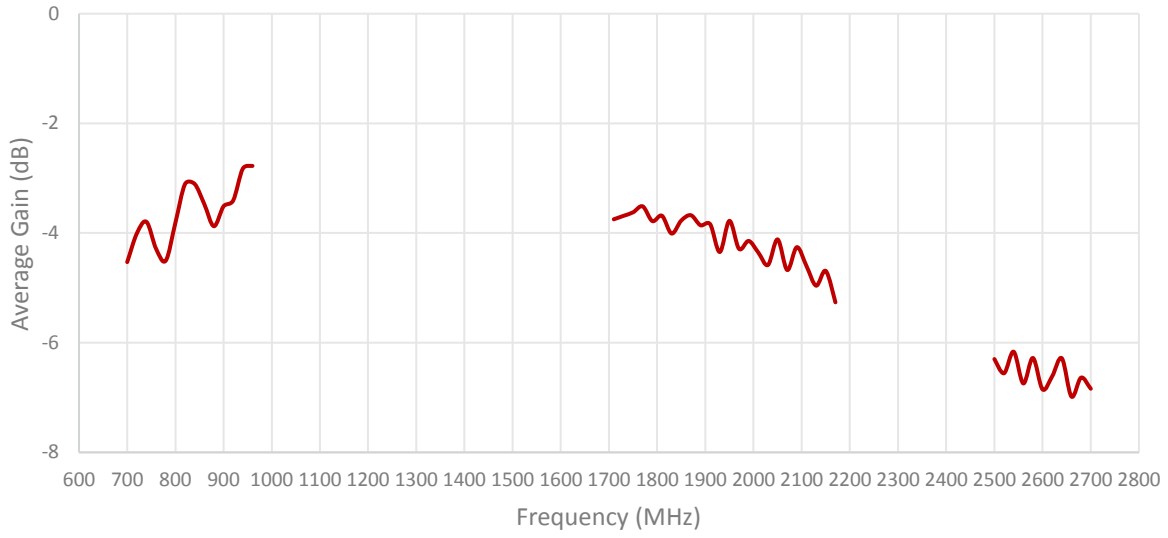
## 2. Mechanical and environmental specifications

Specifications	2J5424HP
<b>Mounting Type</b>	Wall/Adhesive Mount
<b>Dimensions (mm)</b>	112.5 x 60 x 11.3
<b>Radome</b>	ASA
<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

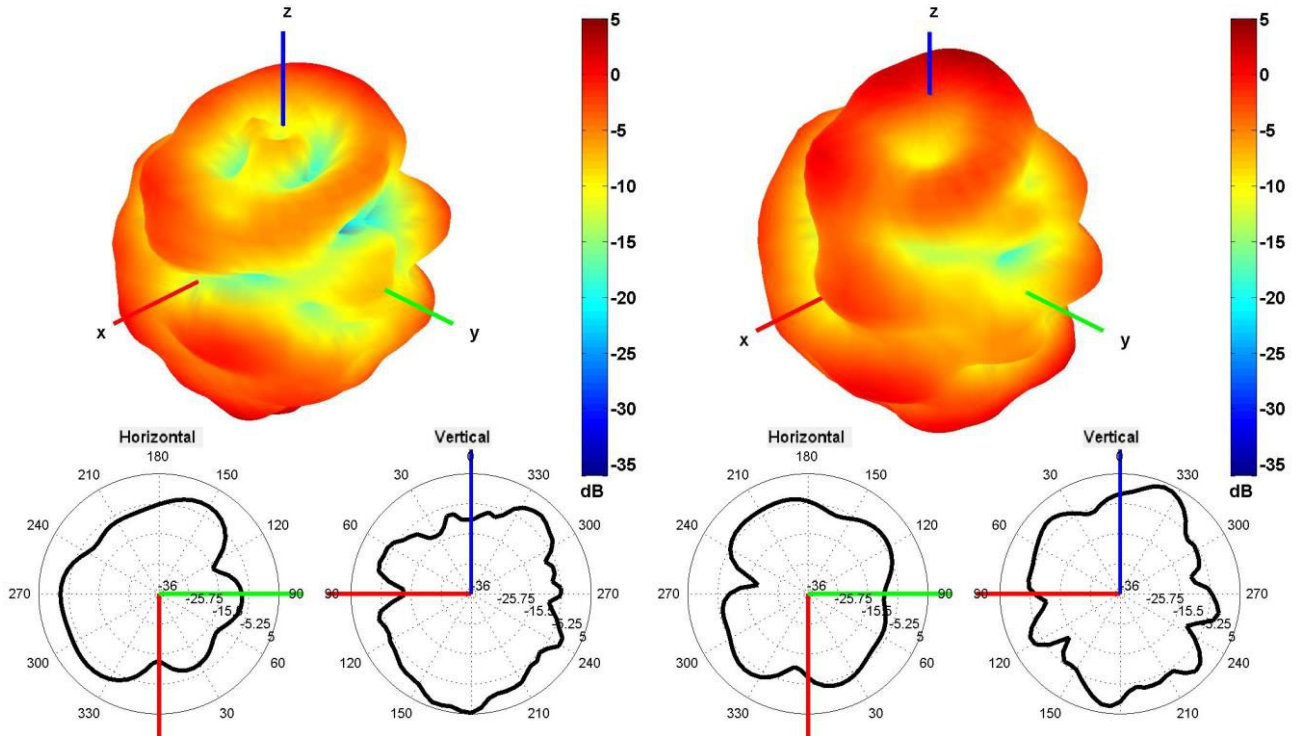
### 3. Antenna parameters



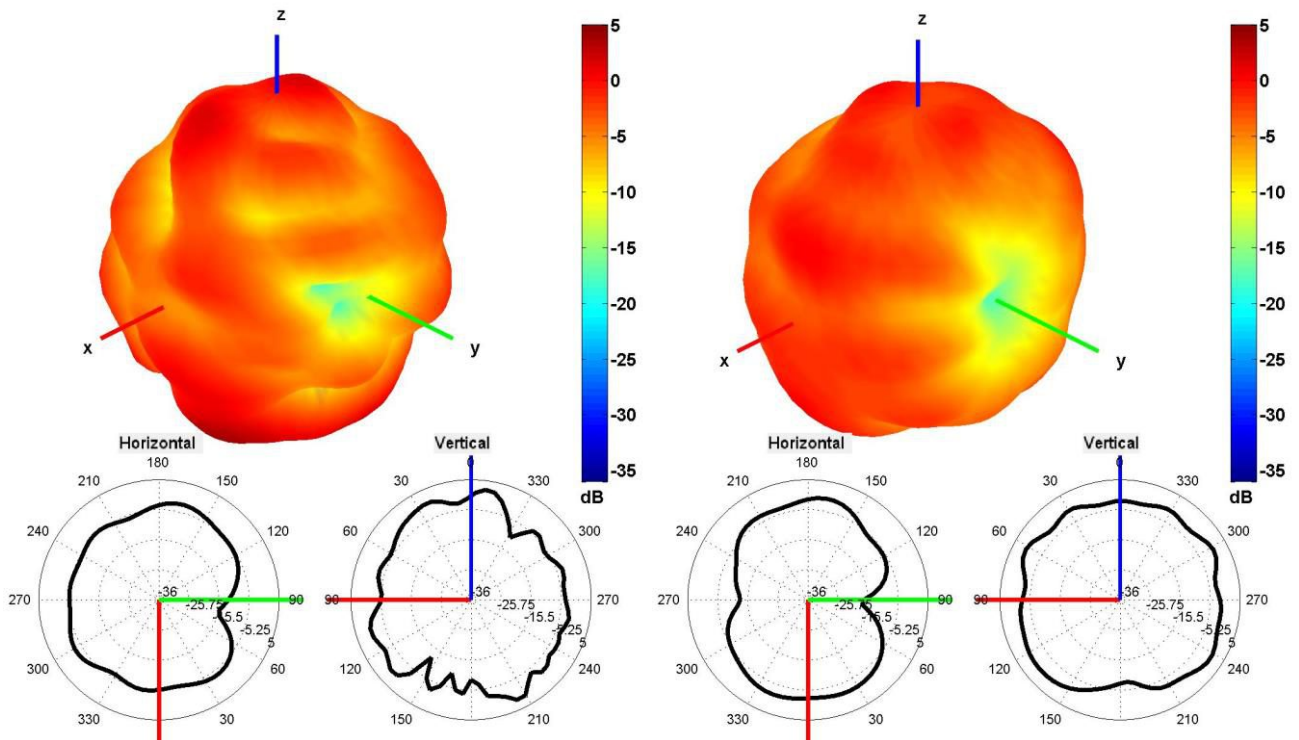




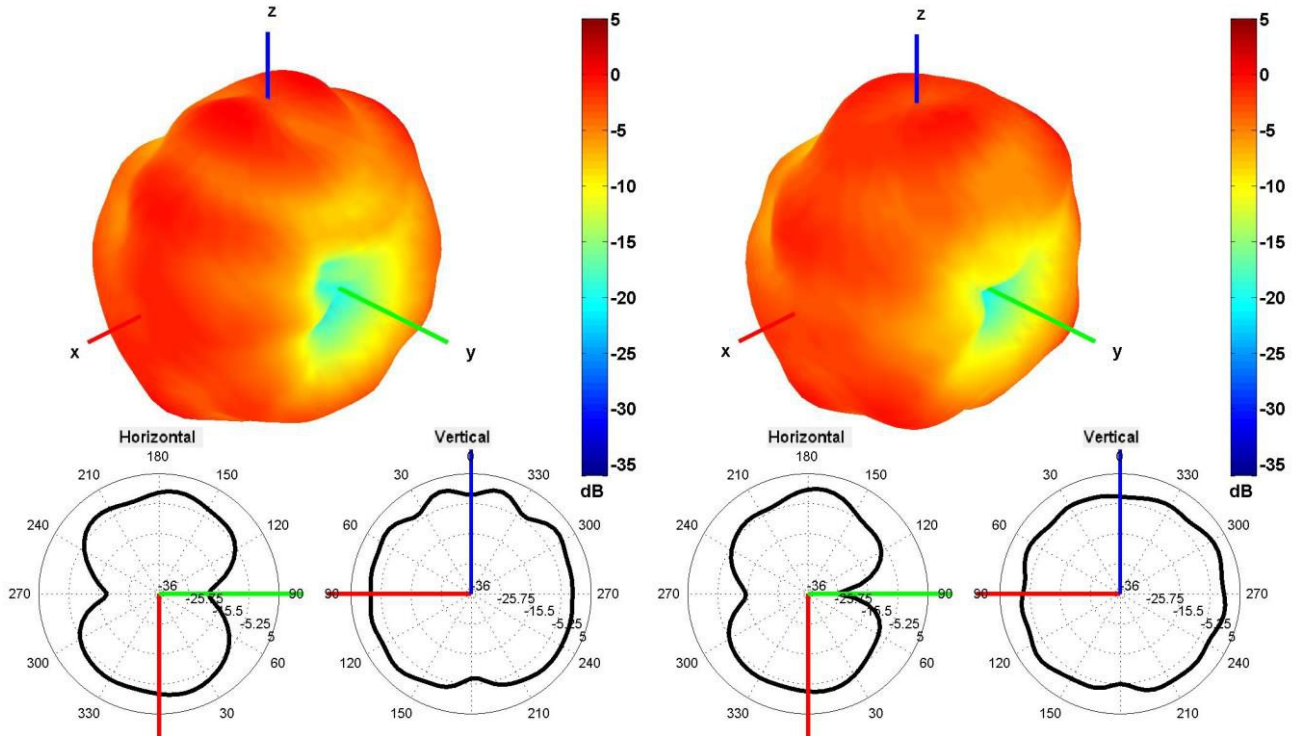
Radiation pattern reference



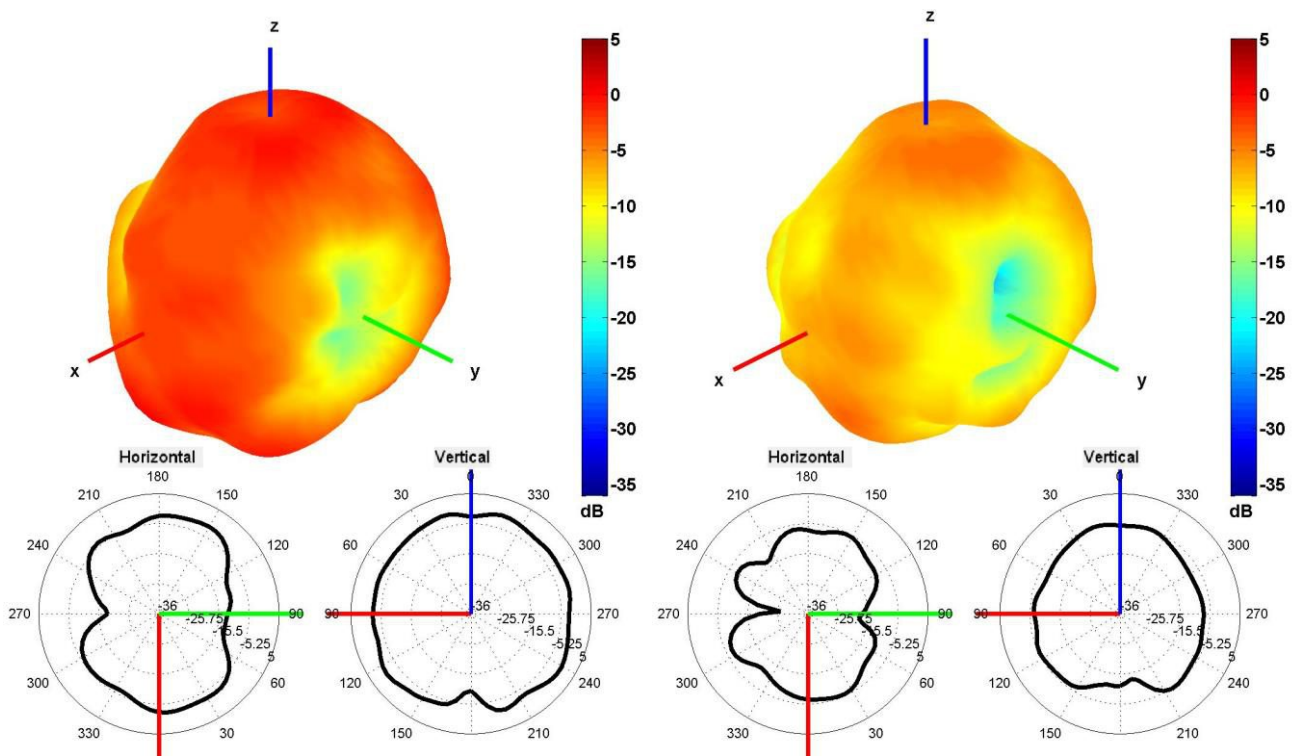
740 and 840 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

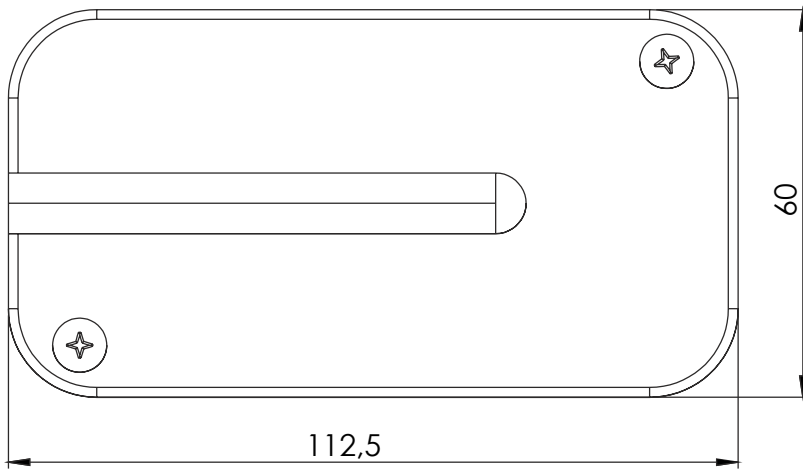
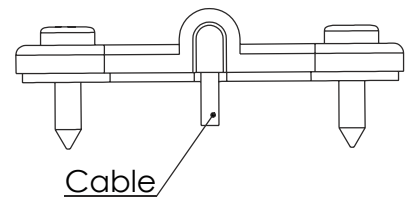
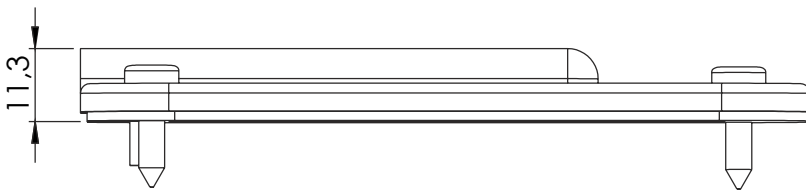


1850 and 1950 MHz Radiation pattern



2090 and 2600 MHz Radiation pattern

#### 4. Antenna drawings





## 5. Antenna Images

