

## 2J2124B-B05H

CELLULAR / LTE Wall Mount

### Key Features

#### CELLULAR / LTE

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

Wall Mount

High Performance

Ground Plane Independent

Customized Cable and Connector

Dimensions 325 × 36 × 155 (220 × Ø 16) mm

Certificates: IP67



## 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>	~-16	~-16	~-16
<b>VSWR</b>	~1.4:1	~1.4:1	~1.4:1
<b>Efficiency (%)</b>	~67	~54	~50
<b>Peak Gain (dBi)</b>	~3.4	~2.5	~1.0
<b>Average Gain (dB)</b>	~-1.8	~-2.7	~-3.0
<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:

Free Space

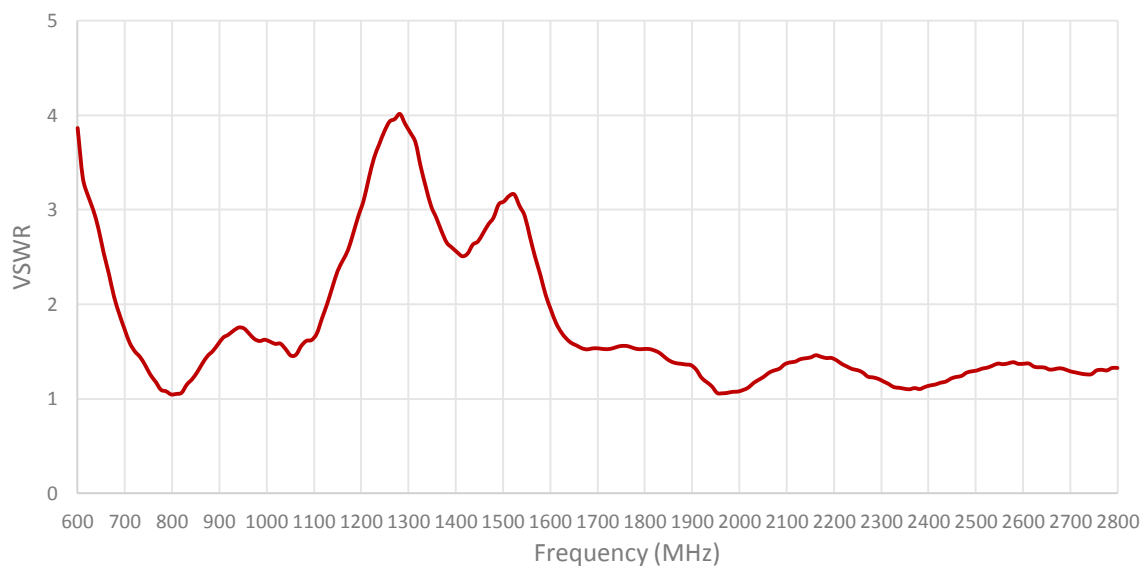
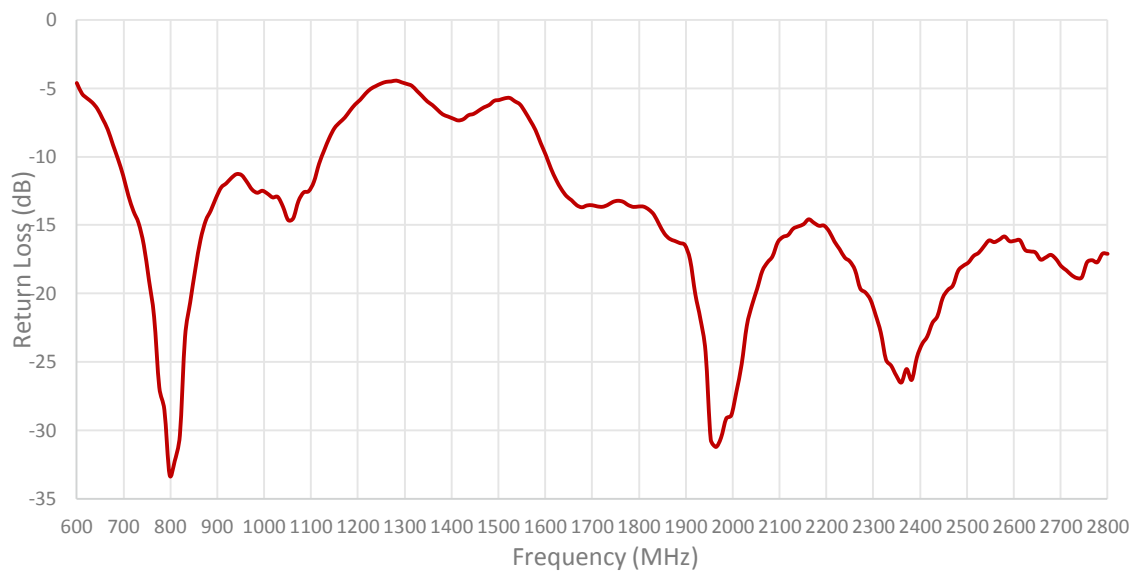
200 cm LL195 Cable

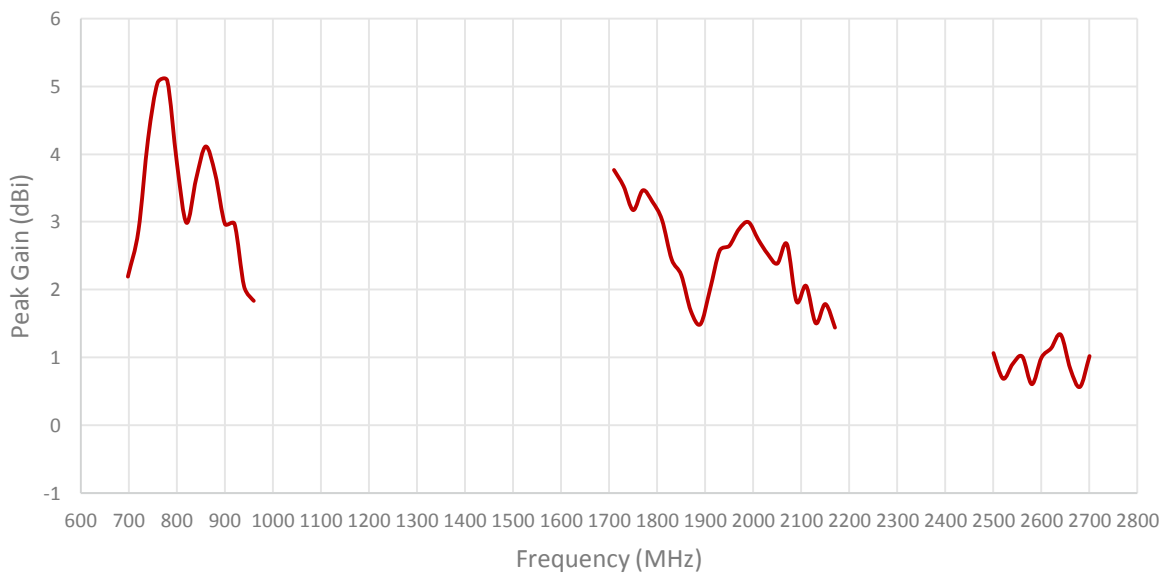
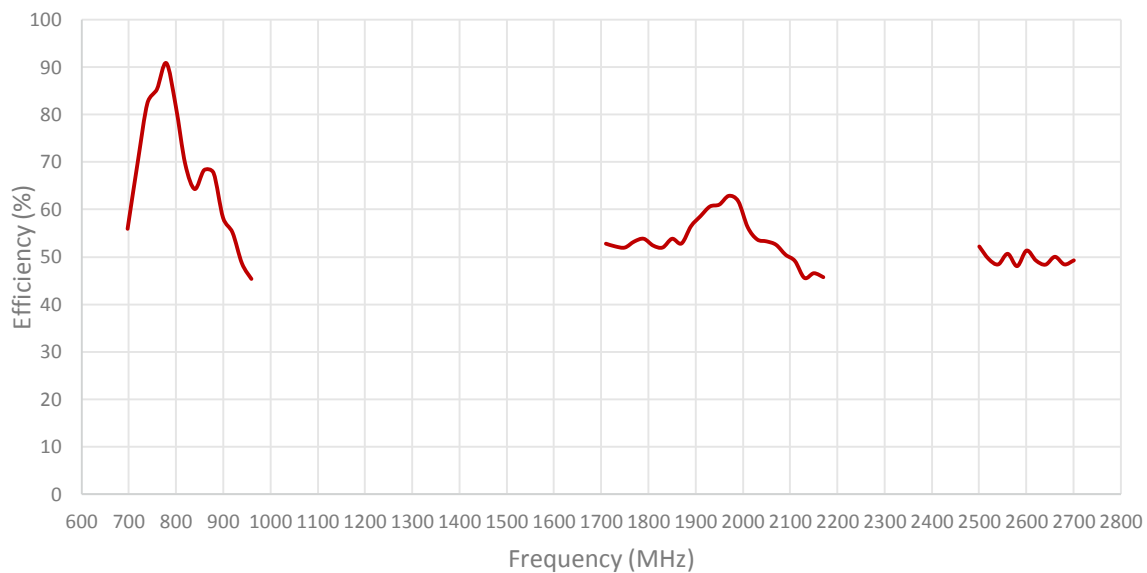
Measured in Certified CTIA 3D Anechoic Chamber

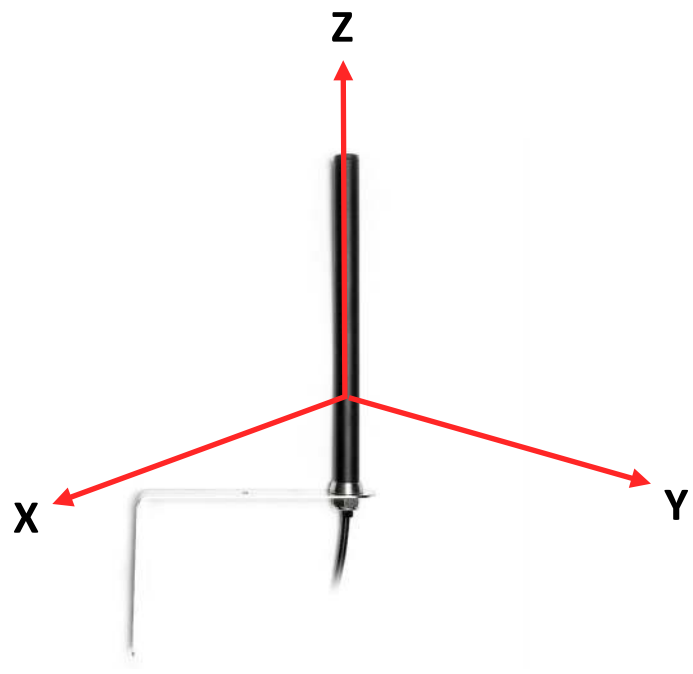
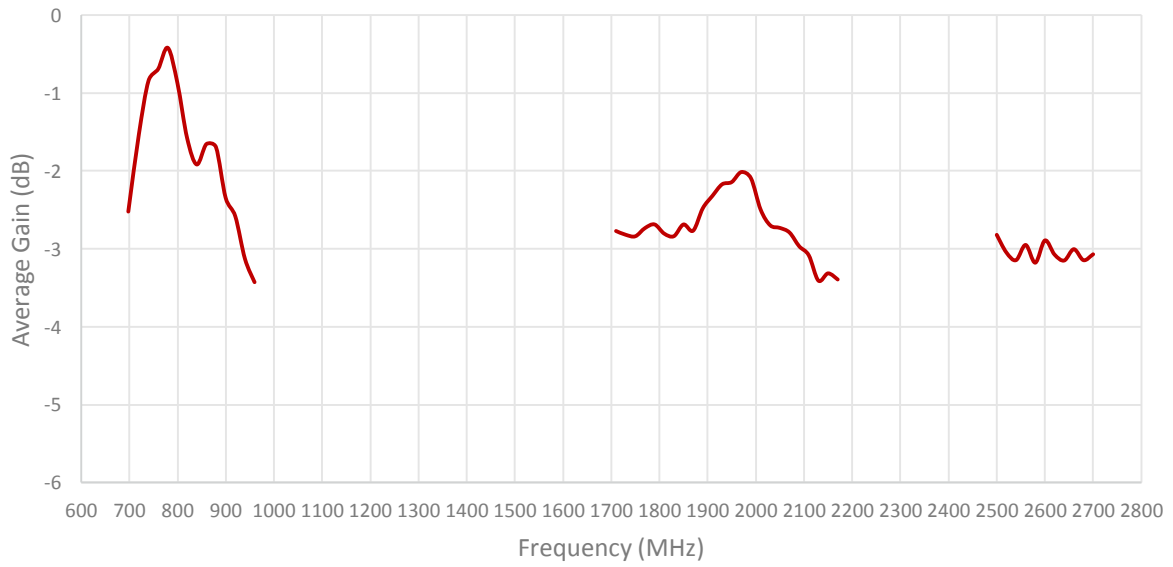
## 2. Mechanical and environmental specifications

Specifications	2J2124B-B05H
<b>Mounting Type</b>	Wall Mount
<b>Dimensions (mm)</b>	325 × 36 × 155 (220 × Ø 16)
<b>Radome</b>	PC/ABS UV Stable
<b>Radome color</b>	Black
<b>Antenna Base</b>	Brass
<b>Bracket</b>	Stainless Steel
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS
<b>Certificates</b>	IP67

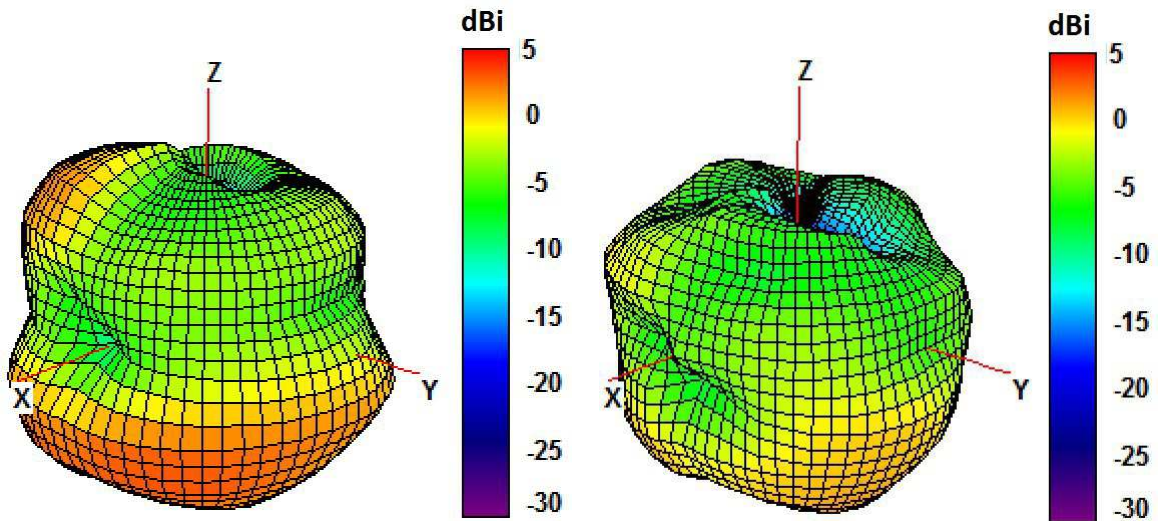
### 3. Antenna parameters



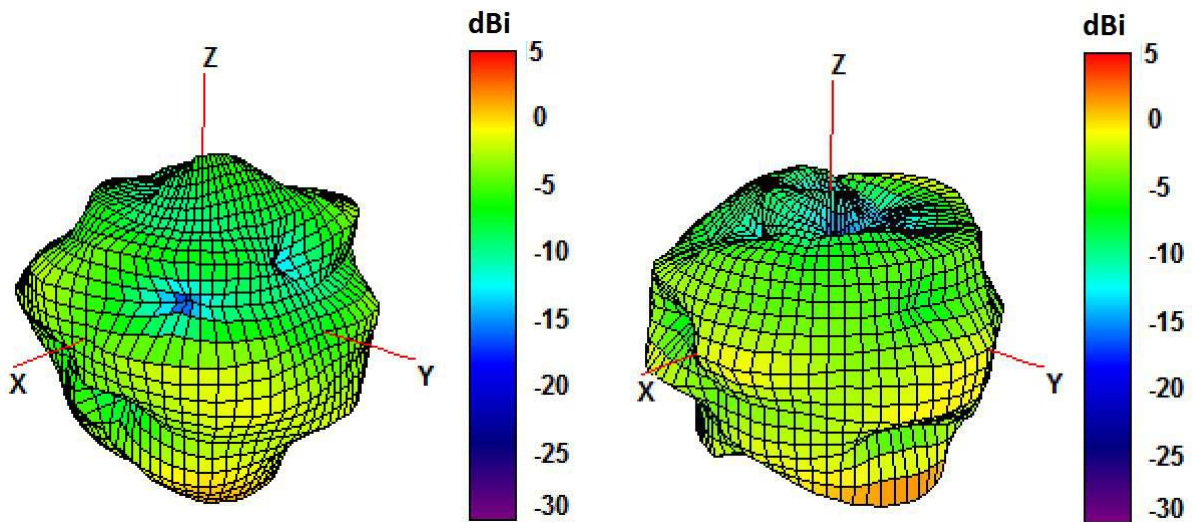




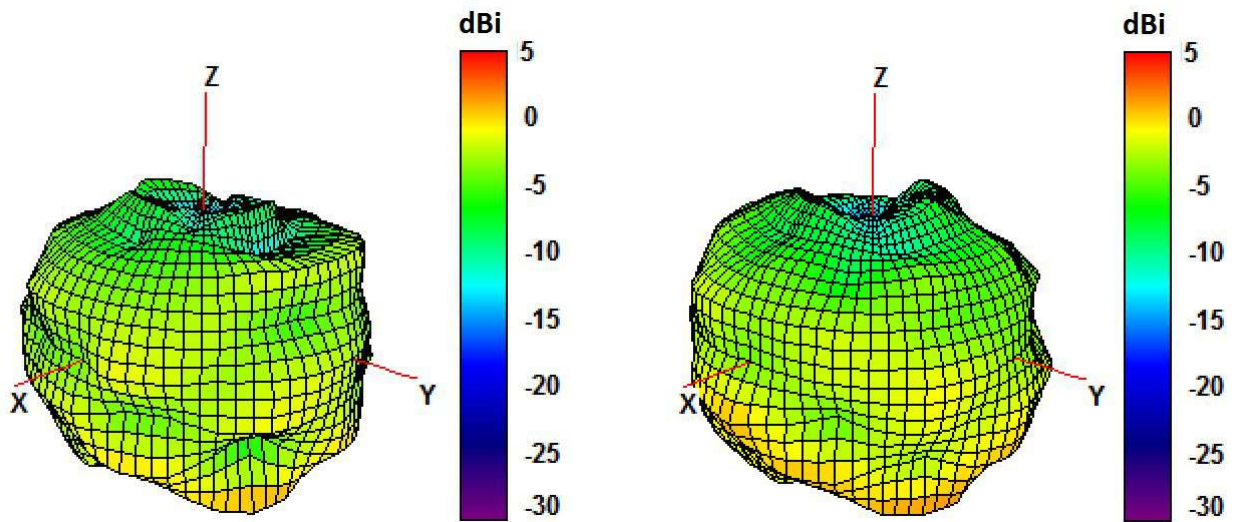
Radiation pattern reference



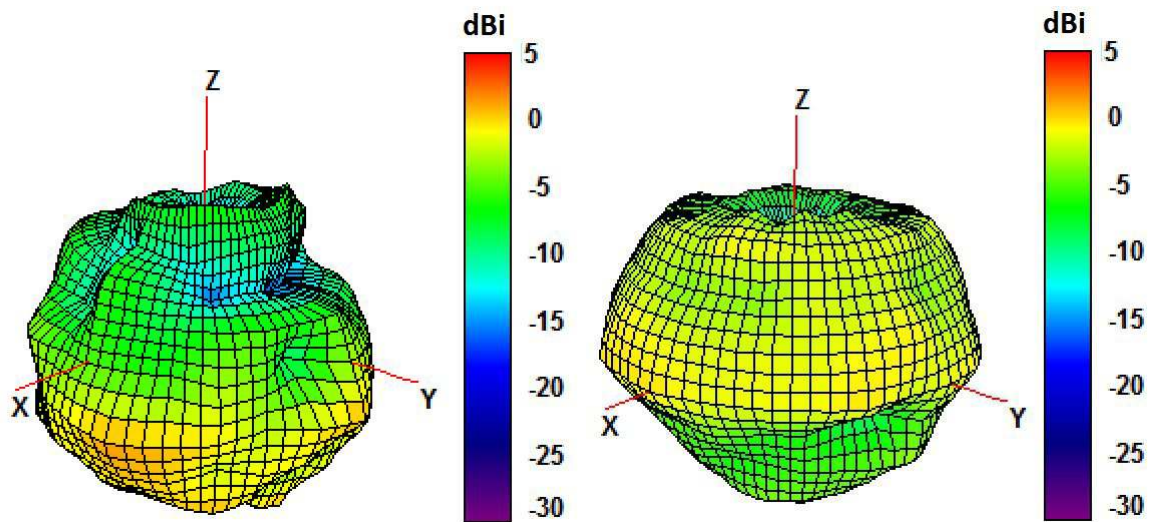
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

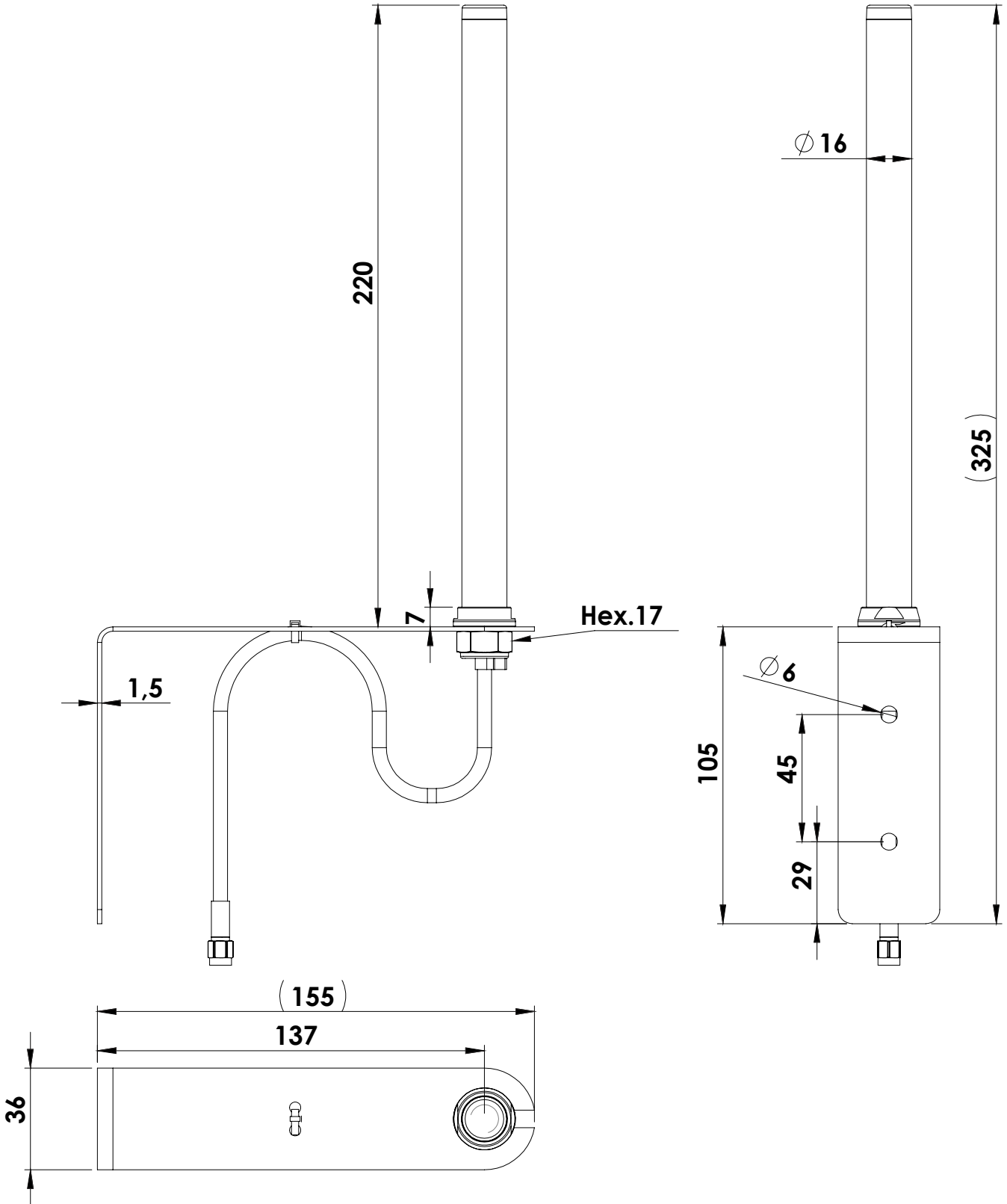


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

4. Antenna drawings





## 5. Antenna Images

