

## A-GSM-QUAD-N

### CELLULAR / LTE Wall Mount

#### Key Features

##### CELLULAR / LTE

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

Wall Mount

High Performance

Ground Plane Independent

Customizable Cable and Connector

Dimensions 271 × 30 × 115 (219 × Ø 16) 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>	~-6.5	~-7.4	~-6.7
<b>VSWR</b>	~2.8:1	~2.5:1	~2.7:1
<b>Efficiency (%)</b>	~58	~52	~41.9
<b>Peak Gain (dBi)</b>	~3.0	~2.3	~0.7
<b>Average Gain (dB)</b>	~-2.3	~-2.9	~-3.8
<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>	SMA-Male Standard		
<b>Cable Length</b>	500 cm		
<b>Cable Type</b>	LL195 Standard		

### Antenna Measurement Conditions:

Free Space

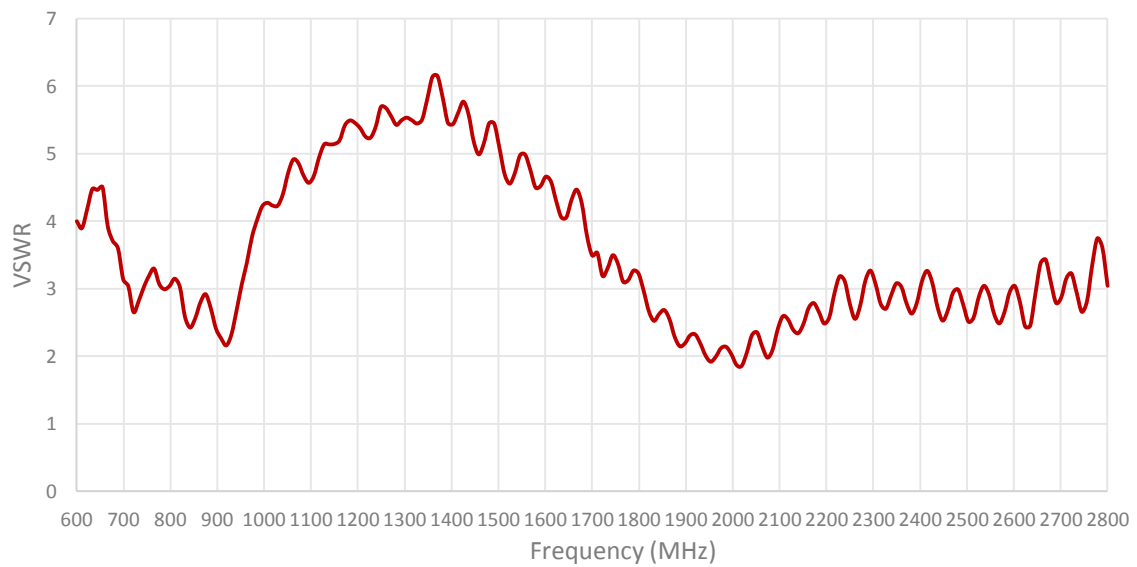
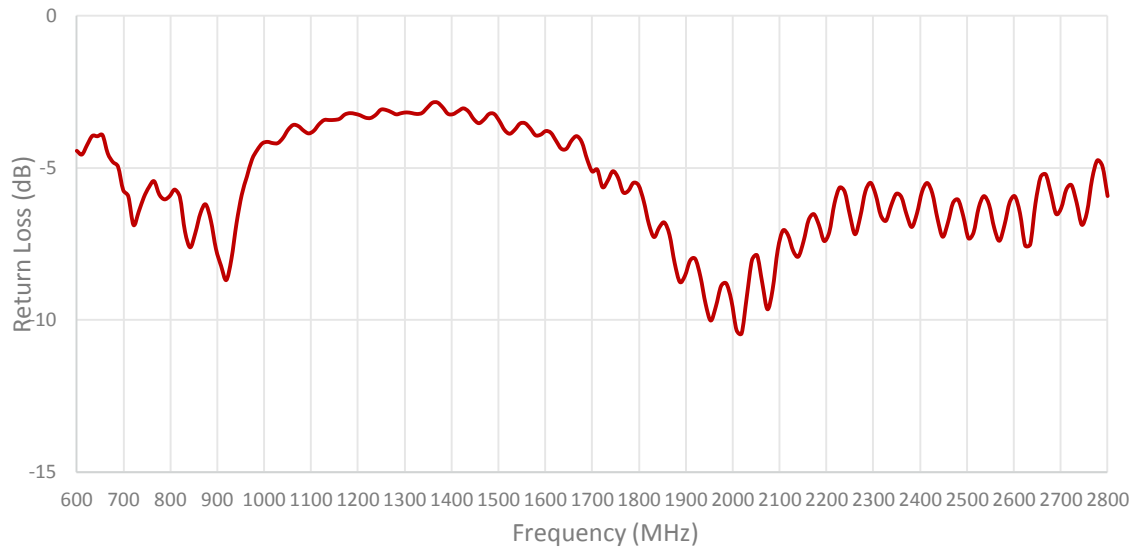
200 cm LL195 Cable

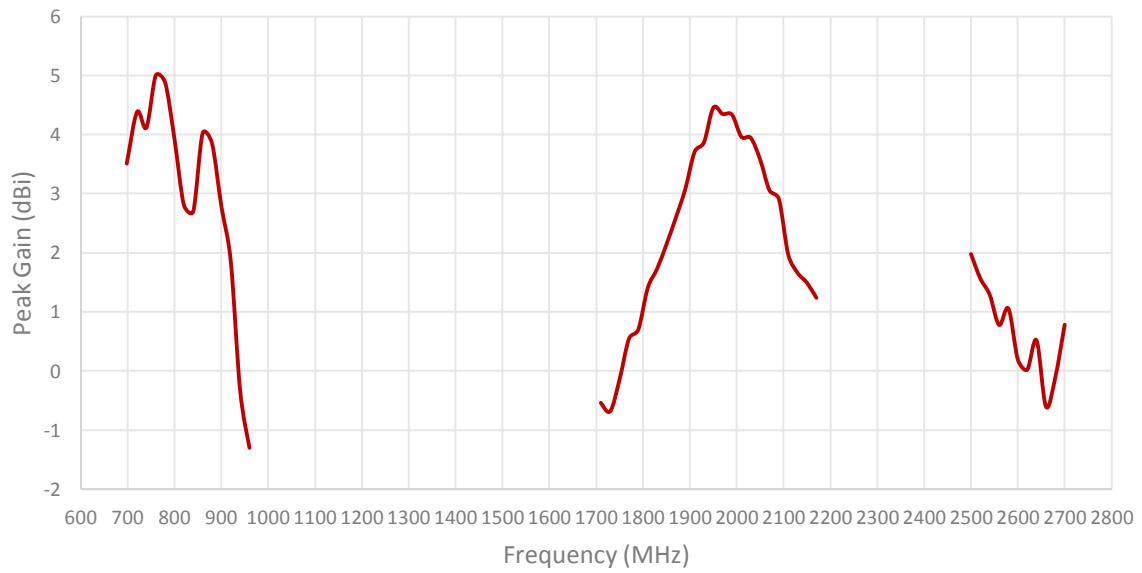
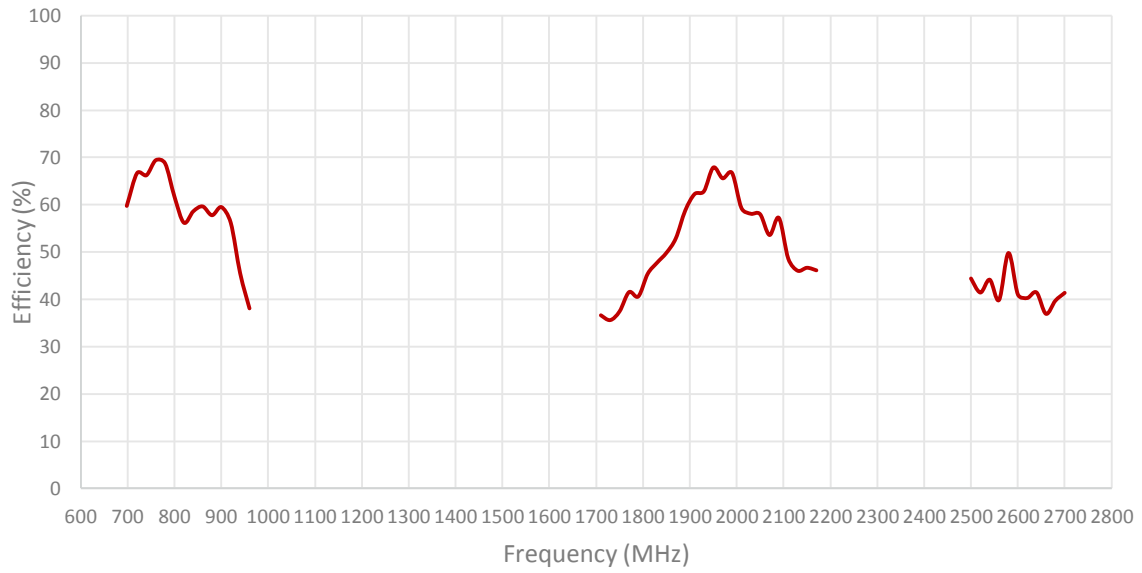
Measured in Certified CTIA 3D Anechoic Chamber

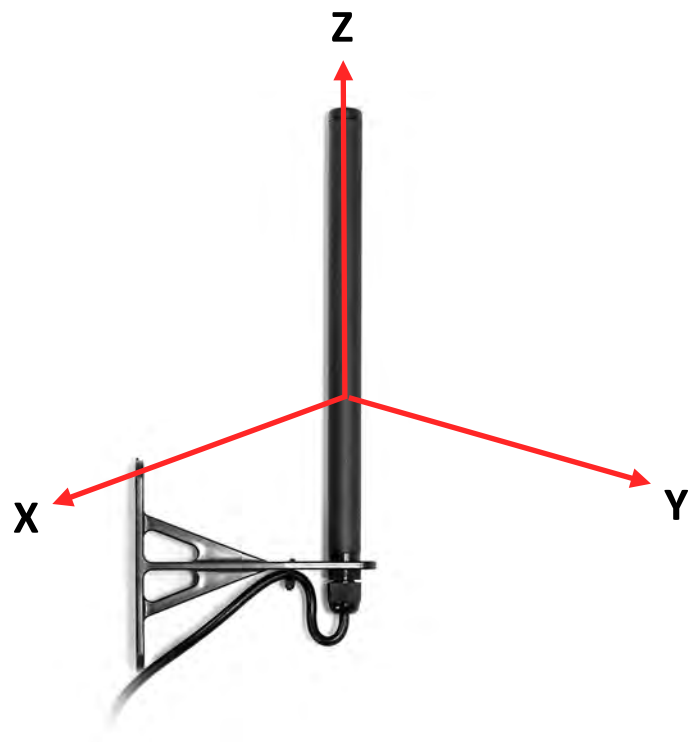
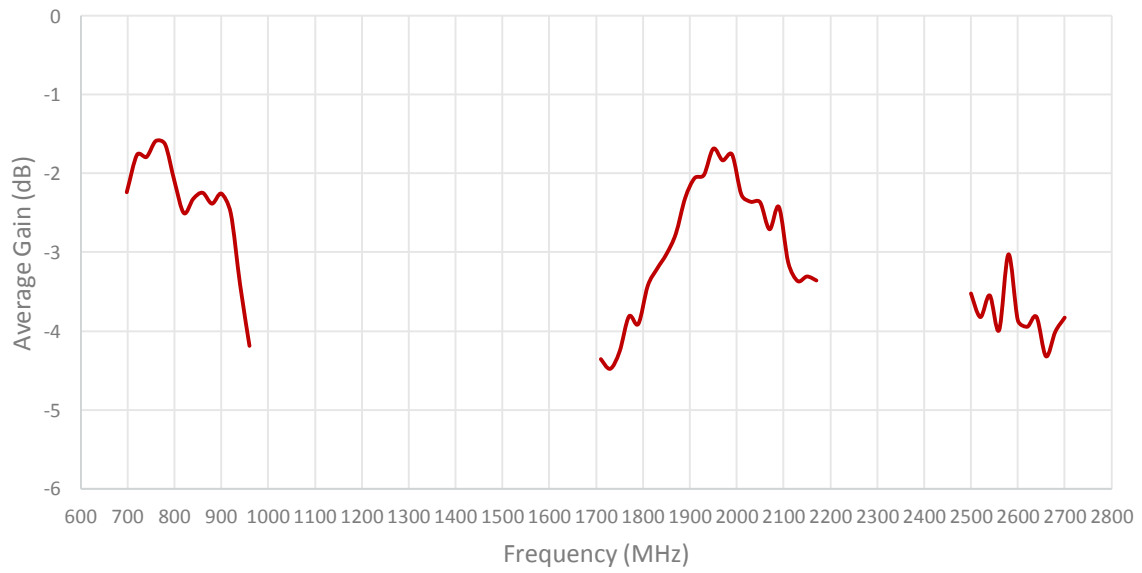
## 2. Mechanical and environmental specifications

Specifications	
<b>Mounting Type</b>	Wall Mount
<b>Dimensions (mm)</b>	271 × 30 × 115 (219 × Ø 16)
<b>Radome</b>	PC/ABS UV Stable
<b>Radome color</b>	Black
<b>Bracket</b>	PC/ABS UV Stable
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

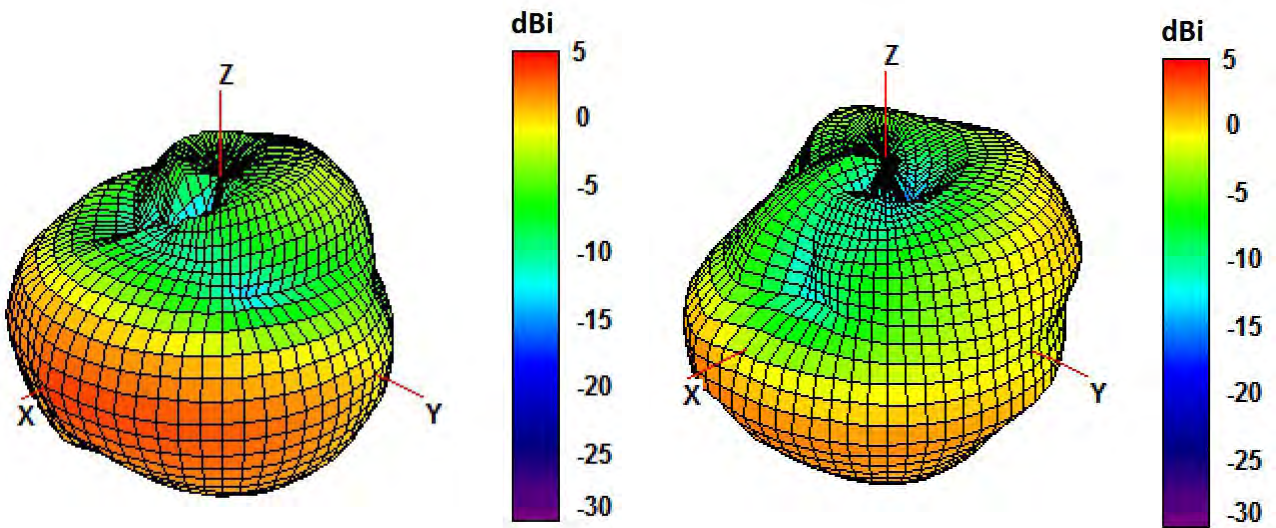
### 3. Antenna parameters



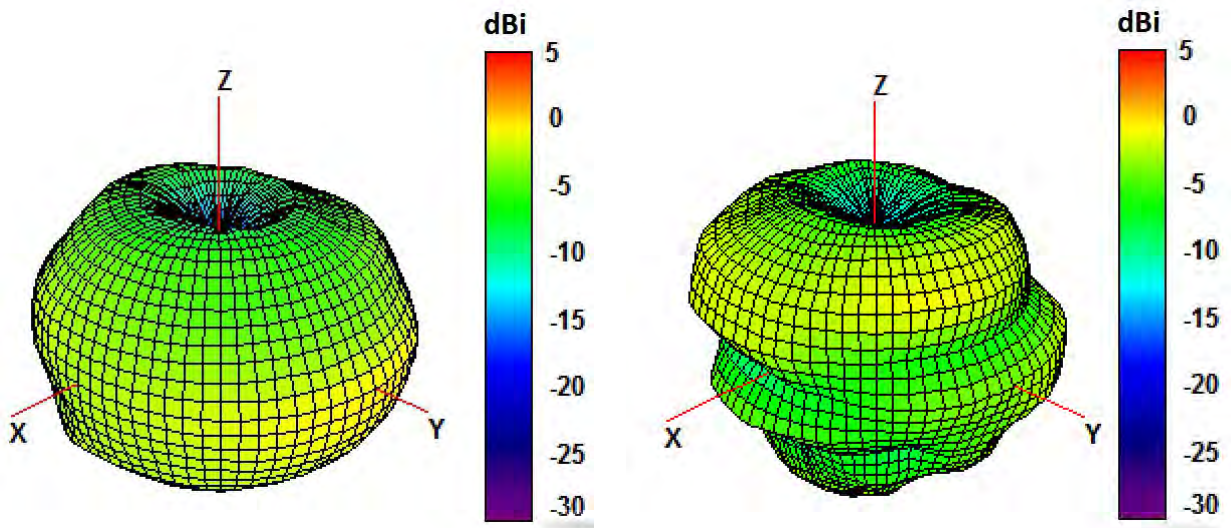




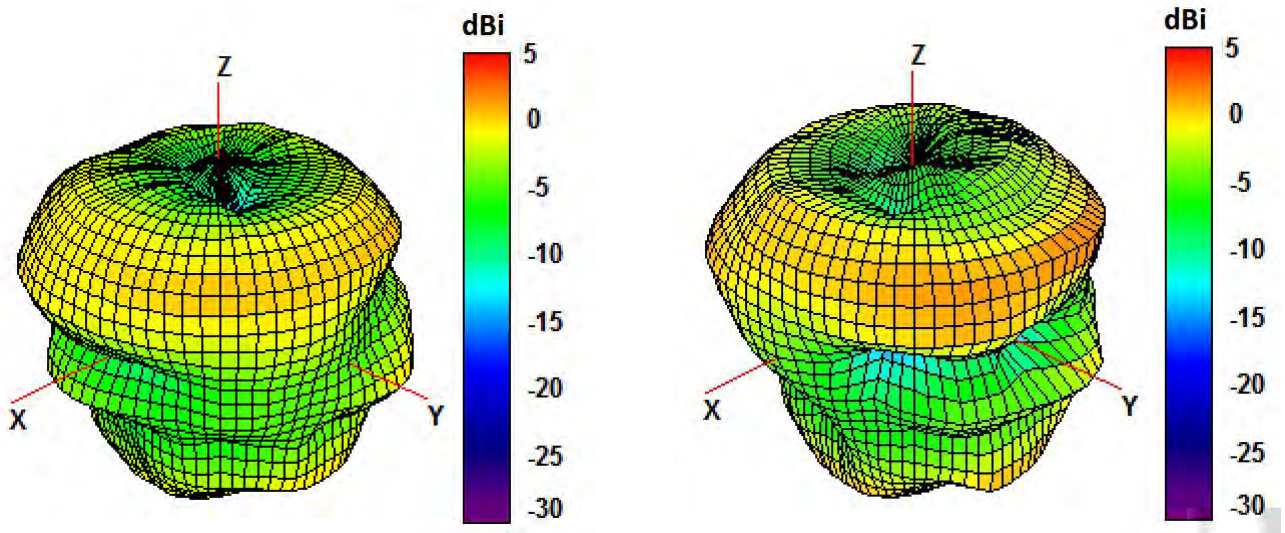
Radiation pattern reference



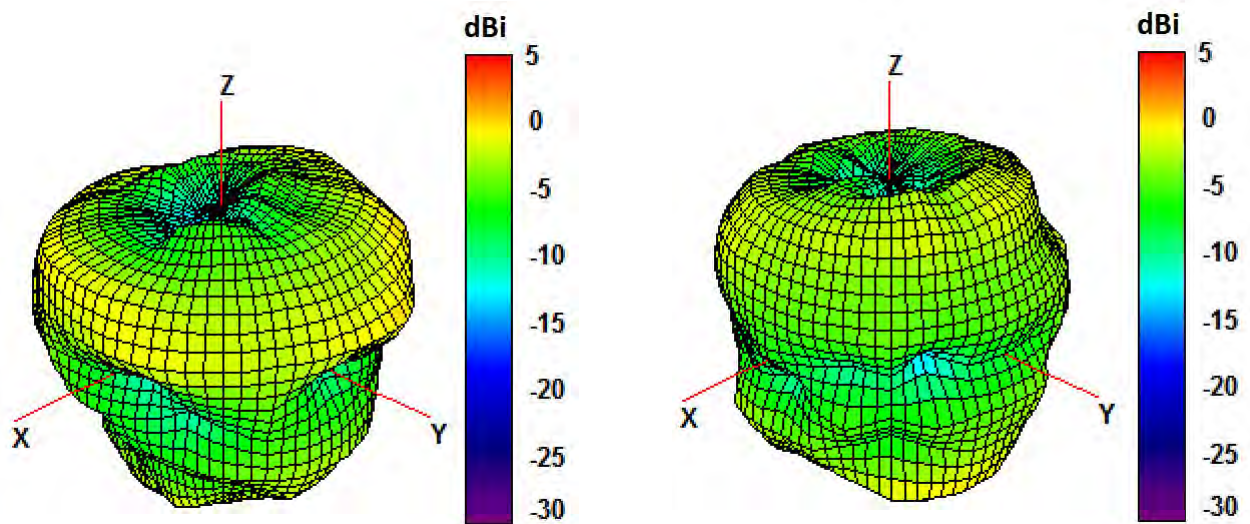
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

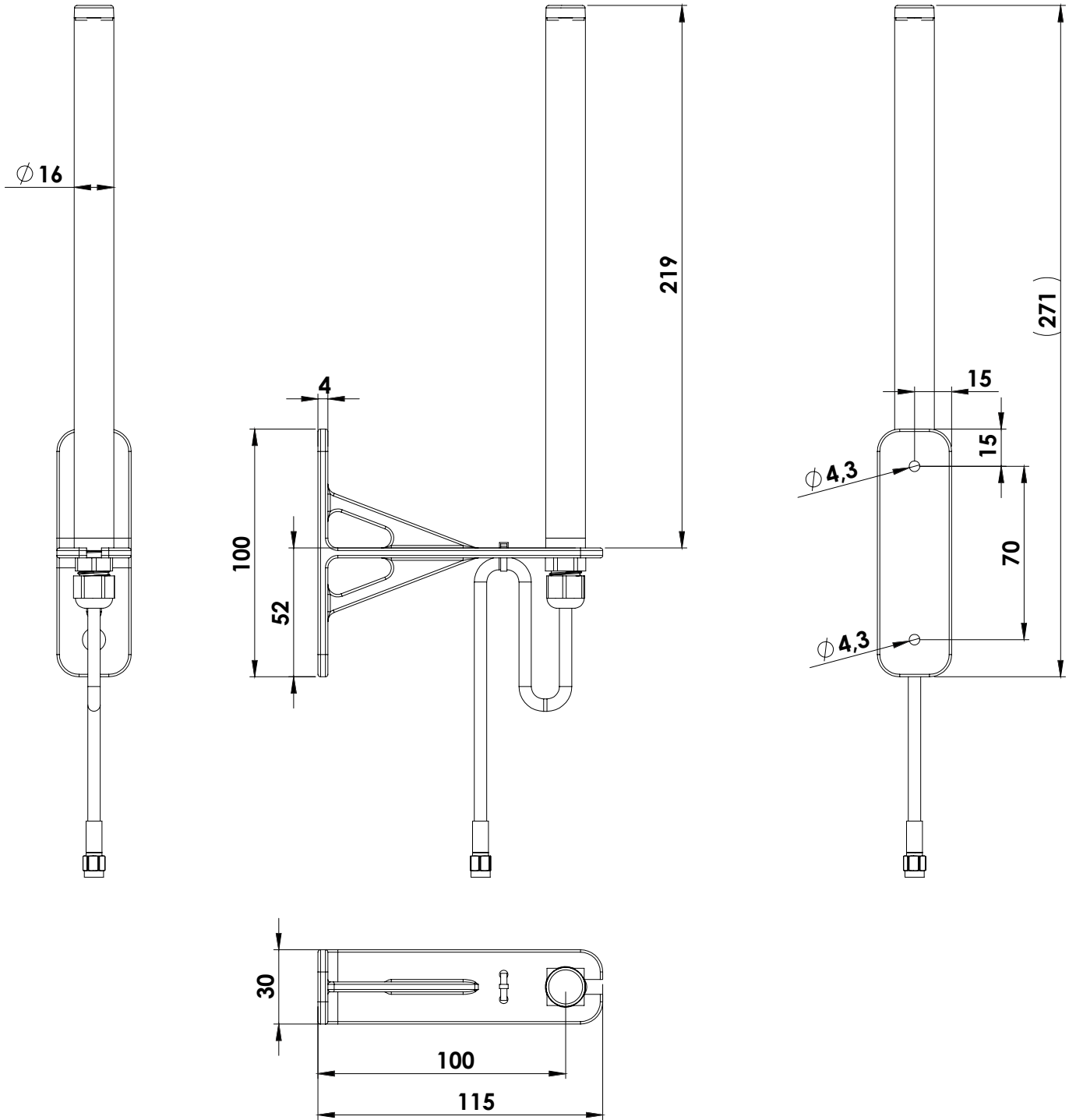


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

## 4. Antenna drawings





---

## 5. Antenna Images

