

## 2J2124-C315N

### CELLULAR / LTE Connector Mount

#### Key Features

##### CELLULAR / LTE

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

Connector Mount

N-Male Standard

Ground Plane Independent

Dimensions 232 × Ø 20 (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>	~-11.5	~-14.2	~-9.2
<b>VSWR</b>	~1.8:1	~1.5:1	~2.0:1
<b>Efficiency (%)</b>	~55	~58	~71
<b>Peak Gain (dBi)</b>	~-0.3	~-1.7	~-2.3
<b>Average Gain (dB)</b>	~-2.7	~-2.4	~-1.5
<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>	N-Male Standard		

### Antenna Measurement Conditions:

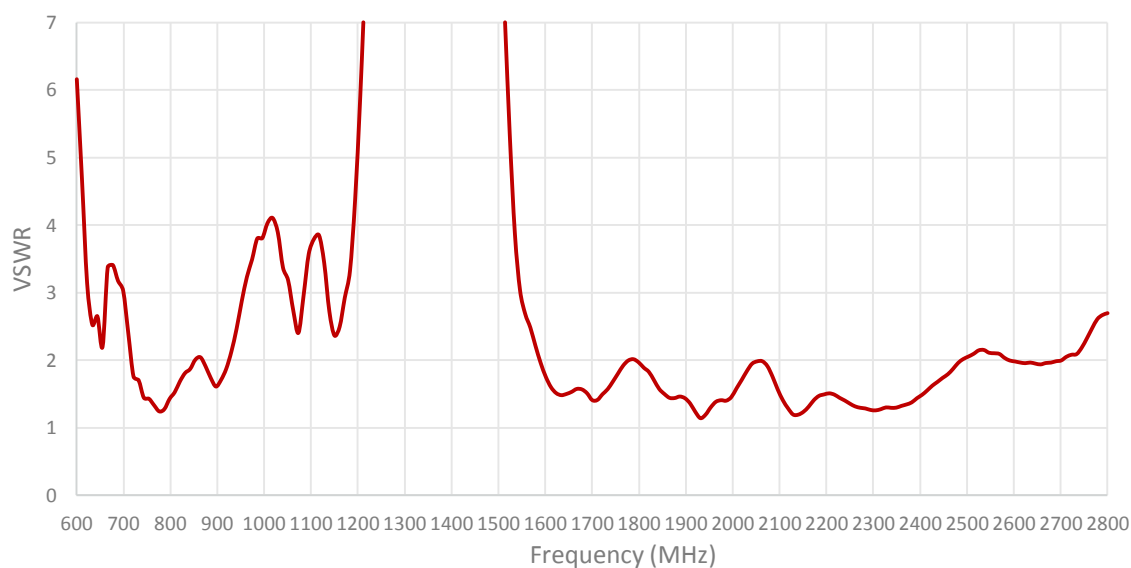
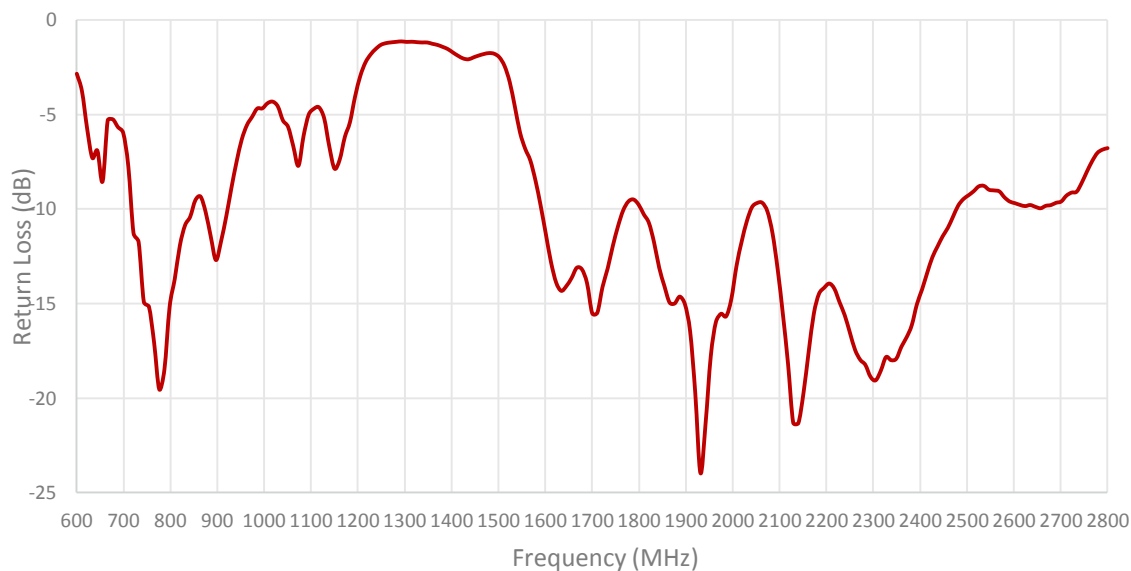
Free Space

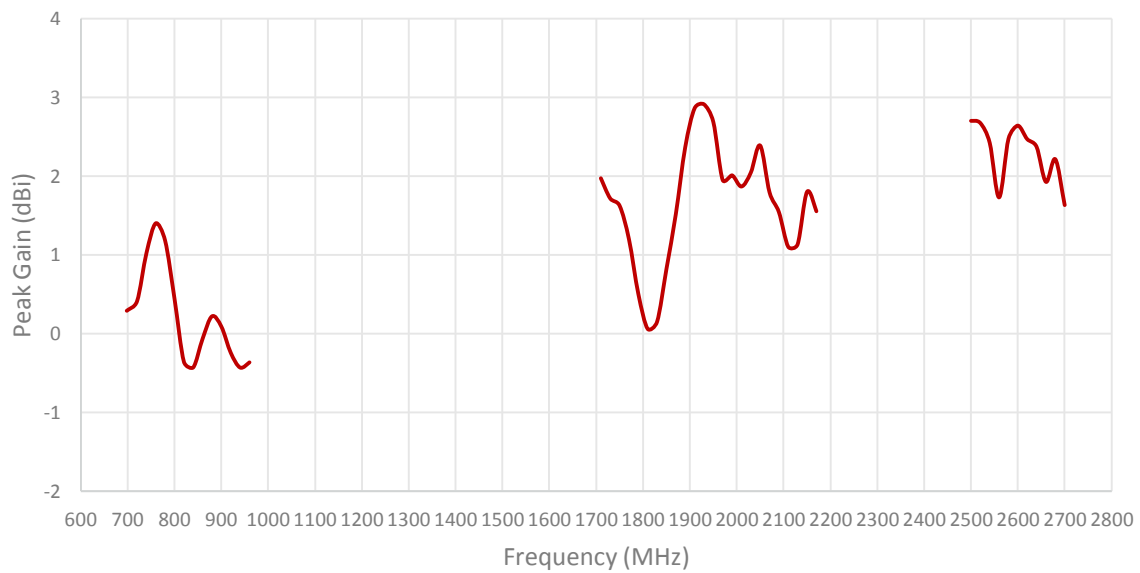
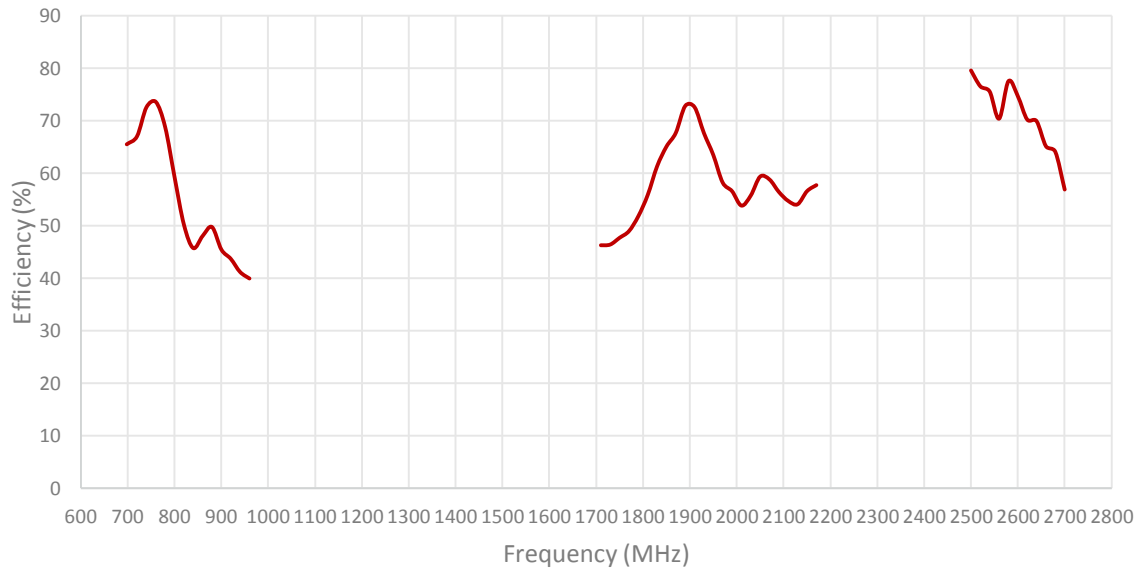
Measured in Certified CTIA 3D Anechoic Chamber

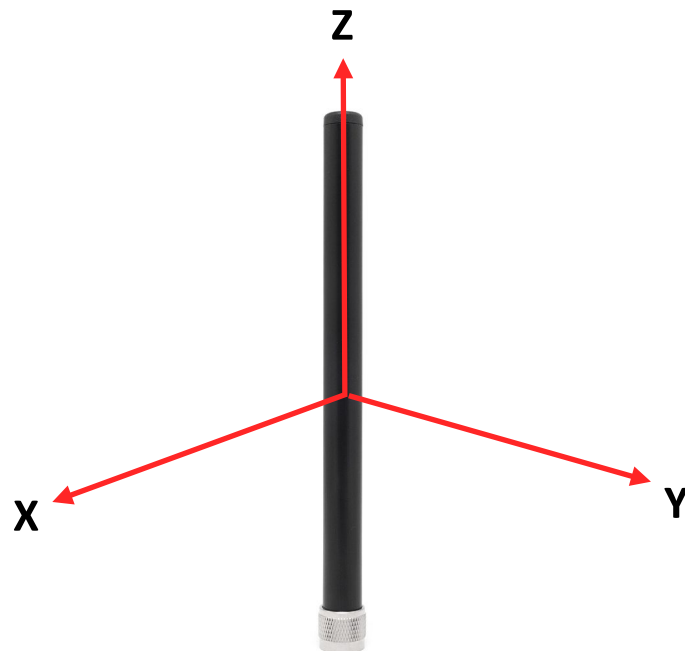
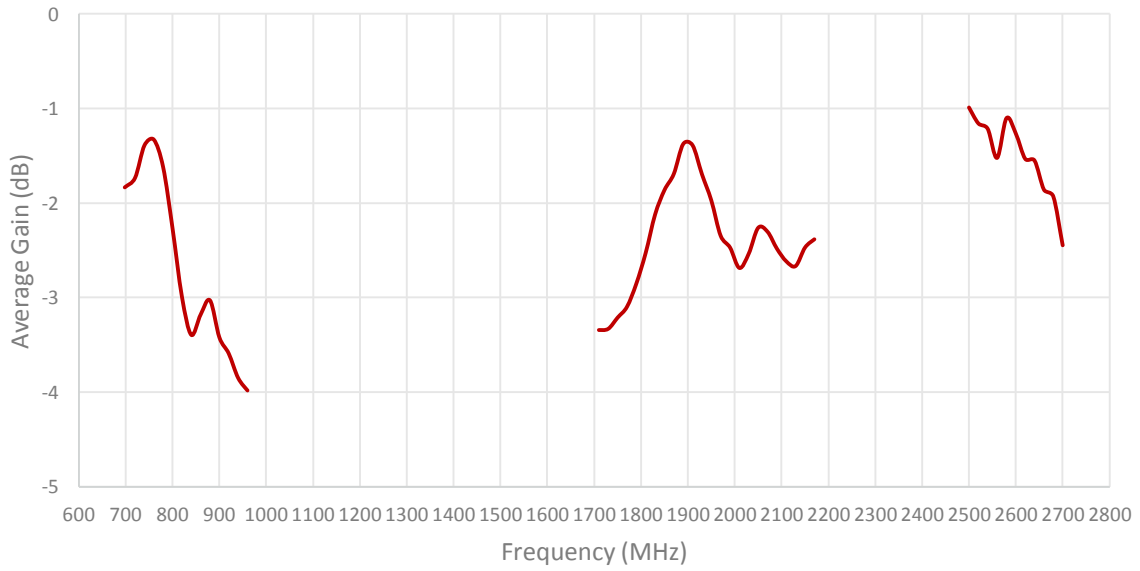
## 2. Mechanical and environmental specifications

Specifications	2J2124-C315N
<b>Mounting Type</b>	Connector Mount
<b>Dimensions (mm)</b>	232 × Ø 20 (Ø 16)
<b>Radome</b>	PC/ABS UV Stable
<b>Radome color</b>	Black or White
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

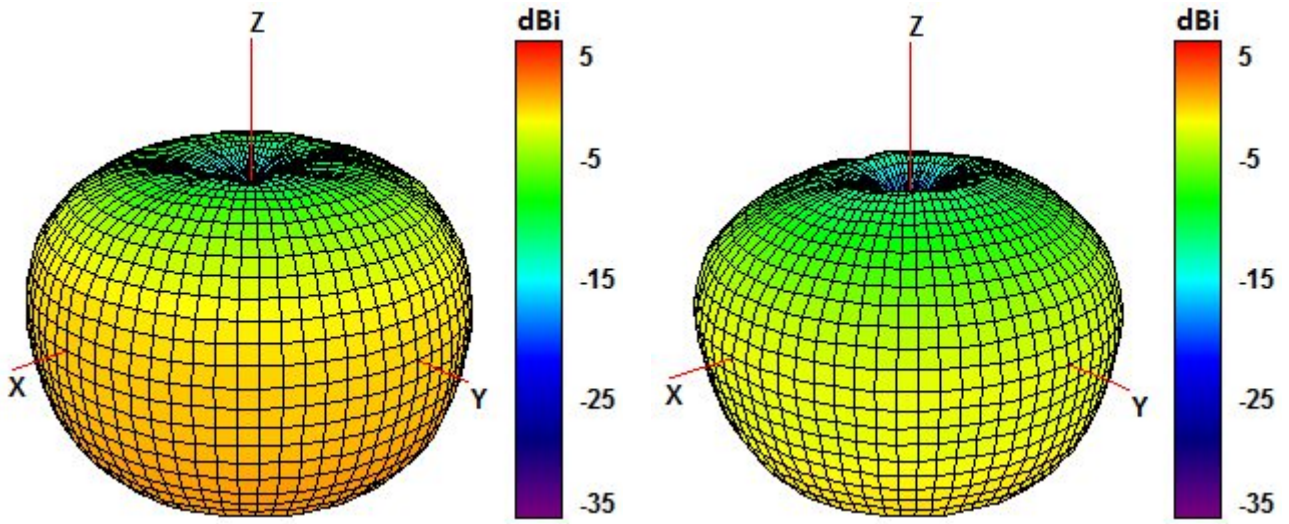
### 3. Antenna parameters



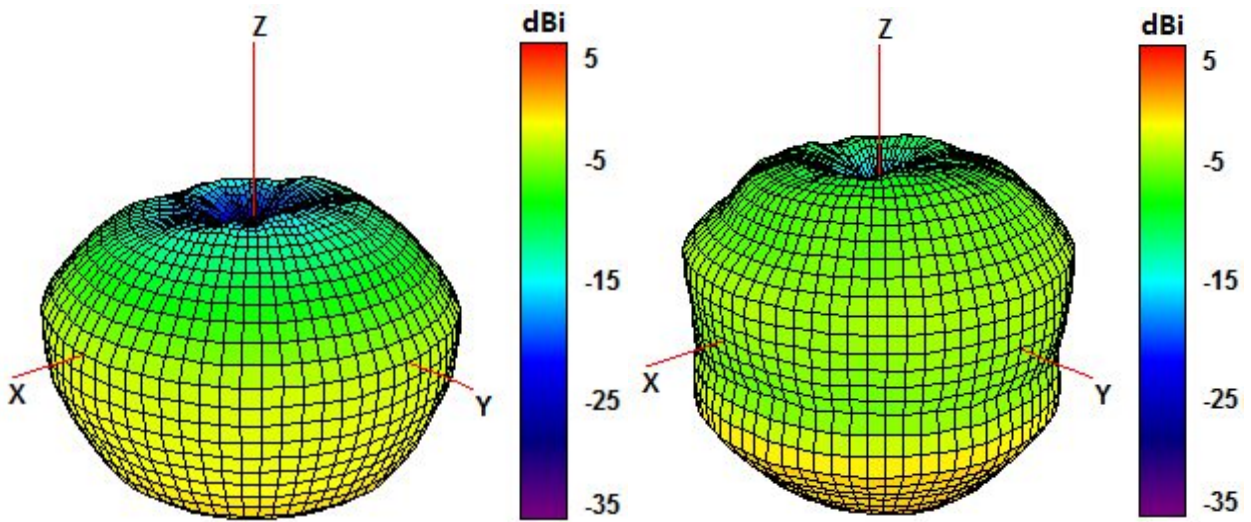




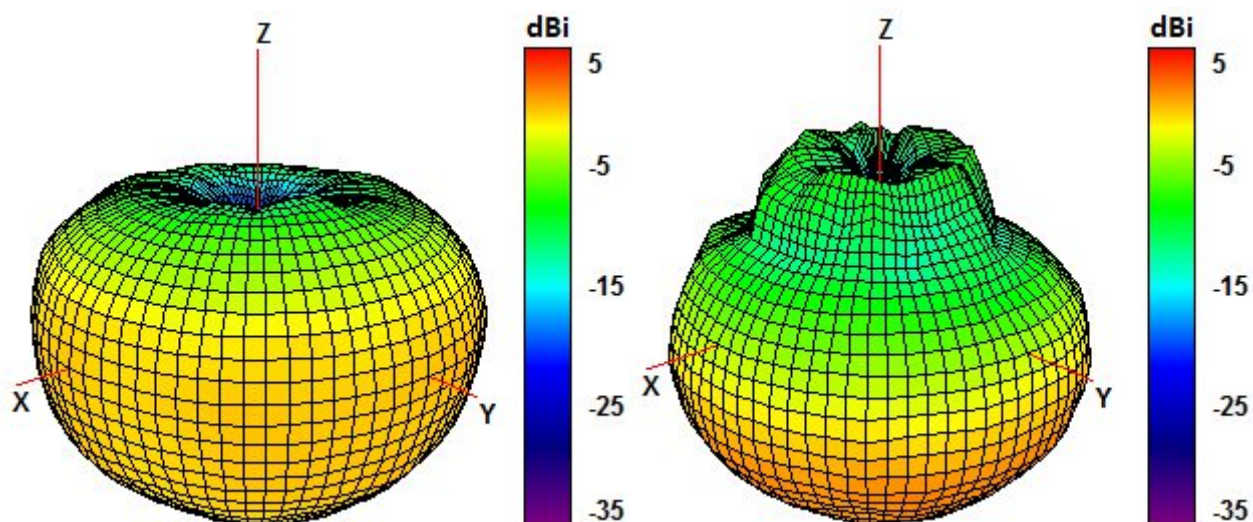
Radiation pattern reference



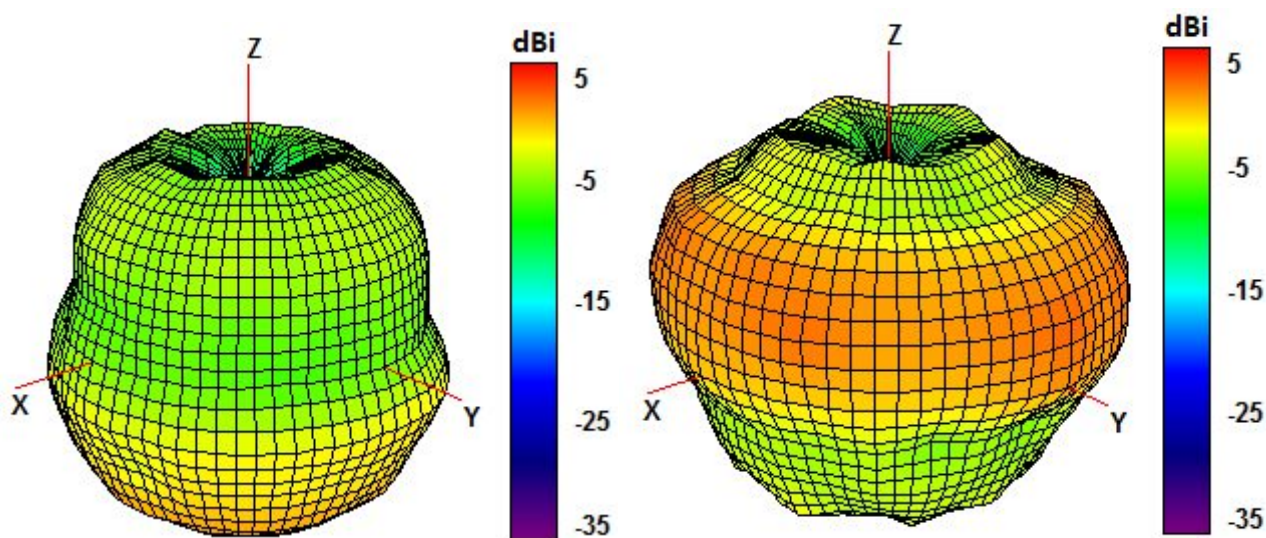
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

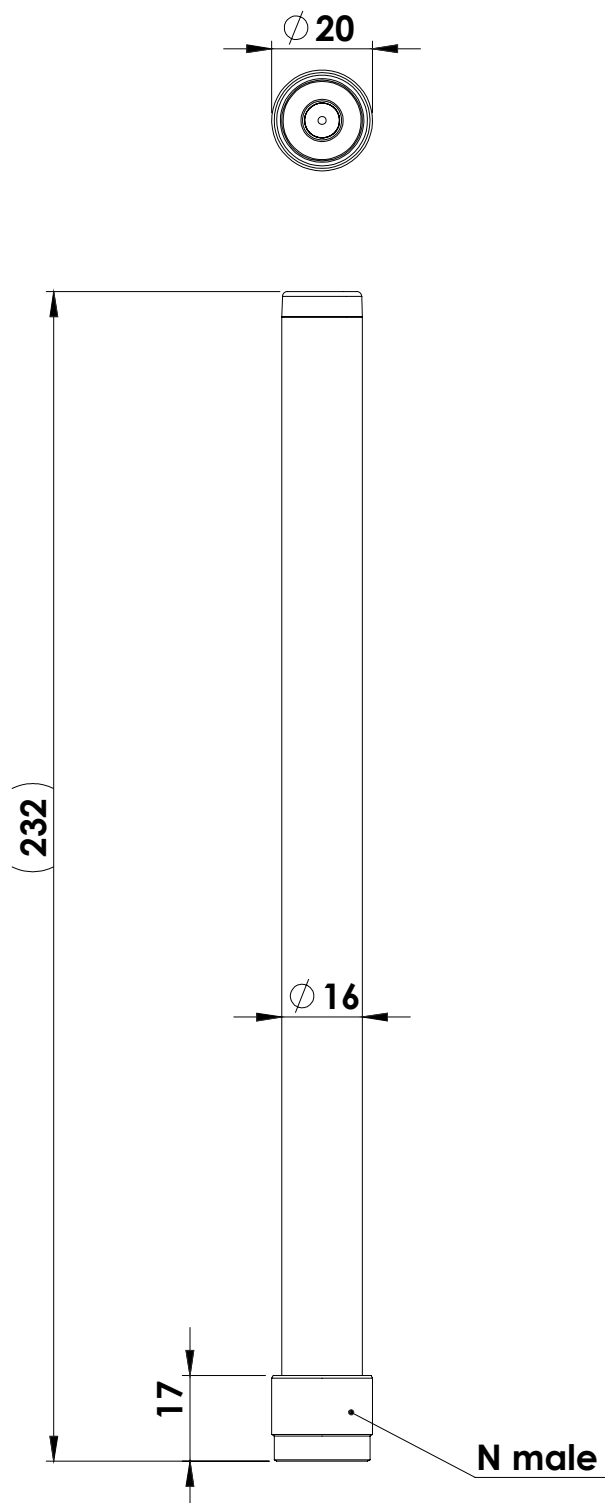


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

## 4. Antenna drawings





## 5. Antenna Images

