

## 2JW1483

### 5GNR Connector Mount

#### Key Features

##### 5GNR

- 617-960 MHz
- 1525-2690 MHz
- 3300-3800 MHz

Connector Mount

Ultra Wide band Antenna

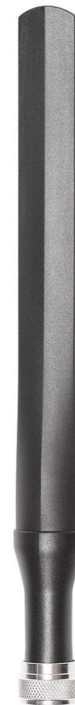
High Performance

Ground Plane Independent

Waterproof

Dimensions 192 × 20 × 18 mm

Certificates: IP67, IP69



## 1. Antenna and electrical specifications

Parameters	5GNR Antenna		
<b>Technologies</b>	5G, 4G, 3G and 2G		
<b>Standards</b>	5GNR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G		
<b>Frequency (MHz)</b>	617-960	1427-2690	3300-3800
<b>Band (MHz)</b>	600, 700, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700
<b>5GNR Bands</b>	n5, n8, 12, n20, n28, n71, n81, n82, n83,	n1, n2, n3, n7, n25, n34, n38, n39, n40, n41, n50, n51, n66, n70, n74, n75, n76, n80, n84, n86	n78
<b>4GLTE Bands</b>	B5, B6, B8, B12, B13, B14, B17, B18, B19, B20, B26, B27, B28, B29, B44, B67, B68, B71, B85	B1, B2, B3, B4, B7, B9, B10, B11, B21, B23, B24, B25, B30, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B45, B50, B51, B65, B66, B69, B70	B22, B42, B43, B48, B49, B52
<b>3GCELL Bands</b>	B5, B6, B8, B12, B13, B14, B19, B20, B26	B1, B2, B3, B4, B7, B9, B10, B11, B21, B25, B32, B33, B34, B35, B36, B37, B38, B39, B40	B22
<b>2GCELL Bands</b>	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS	
<b>CDMACELL Bands</b>	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21	
<b>Return Loss (dB)</b>	~-13.7	~-14.3	~-4.4
<b>VSWR</b>	~1.6:1	~1.7:1	~6.3:1
<b>Efficiency (%)</b>	~50.0	~55.2	~28.1
<b>Peak Gain (dBi)</b>	~-0.4	~-0.6	~-1.6
<b>Average Gain (dB)</b>	~-4.1	~-3.0	~-5.9
<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>	SMA-Male		

### Antenna Measurement Conditions:

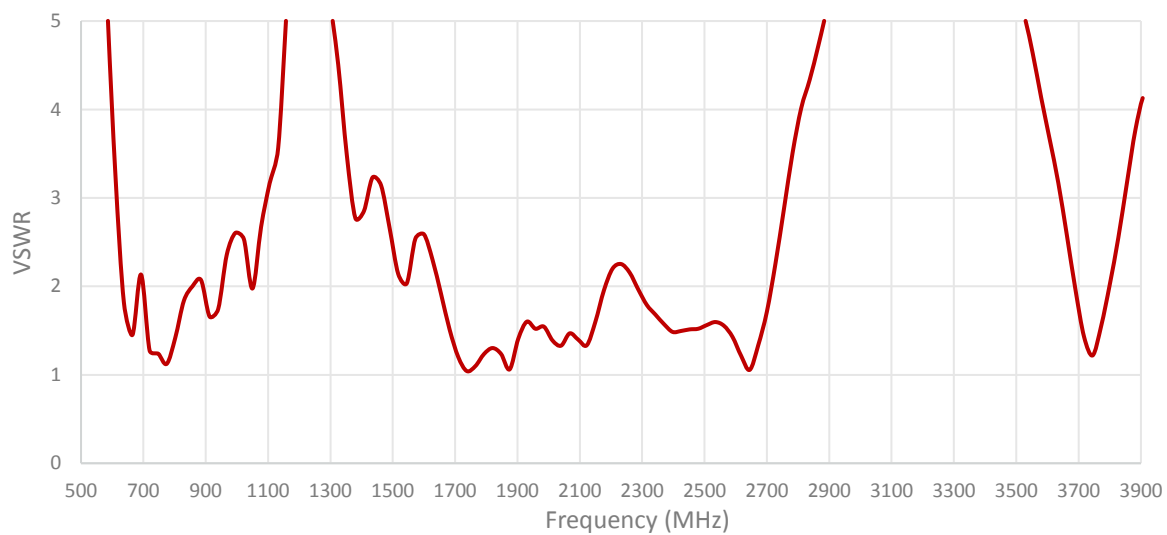
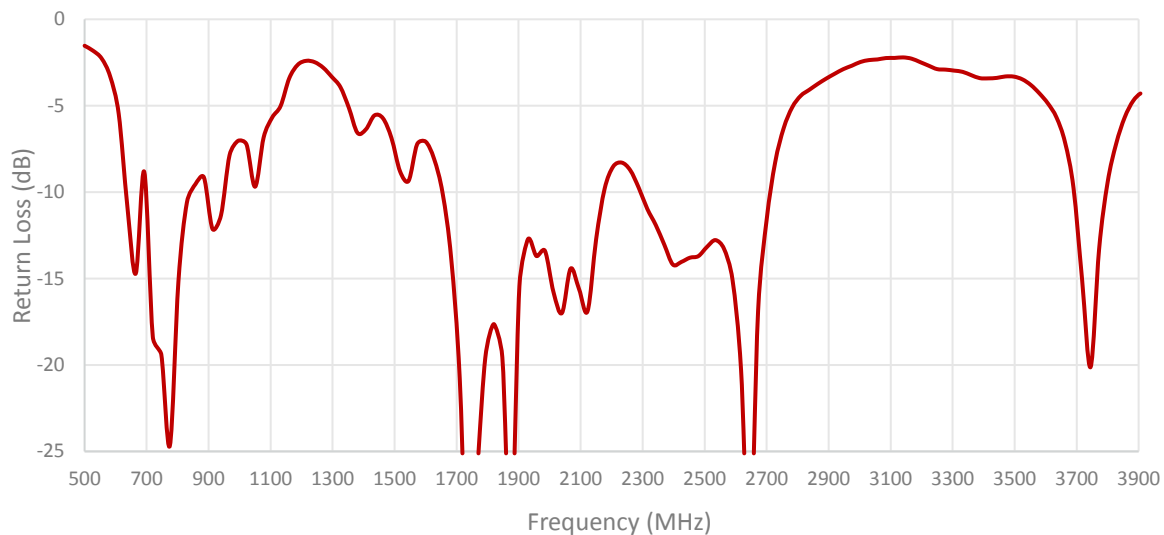
Free Space

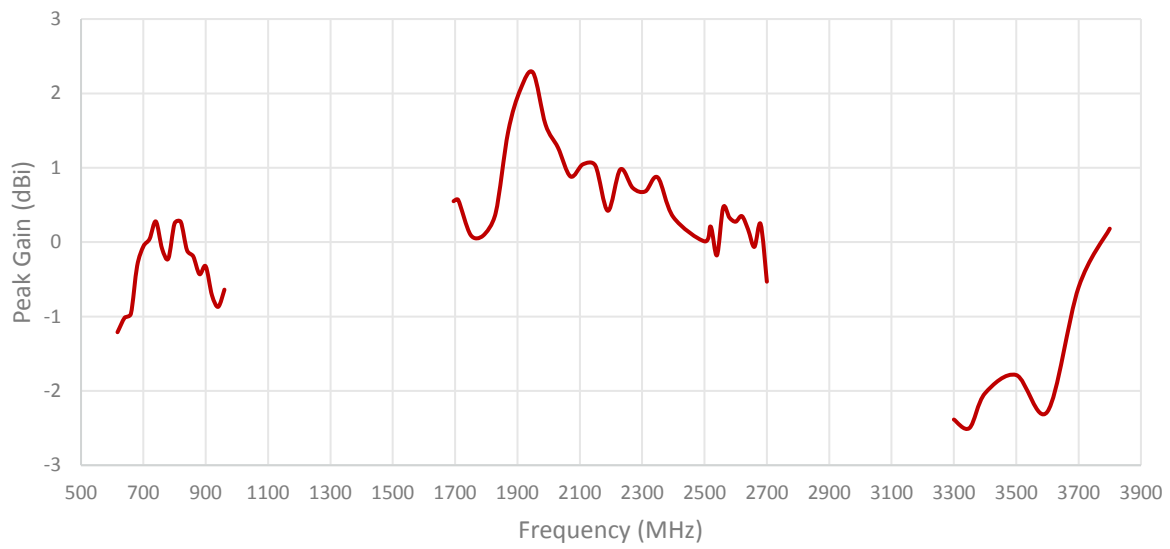
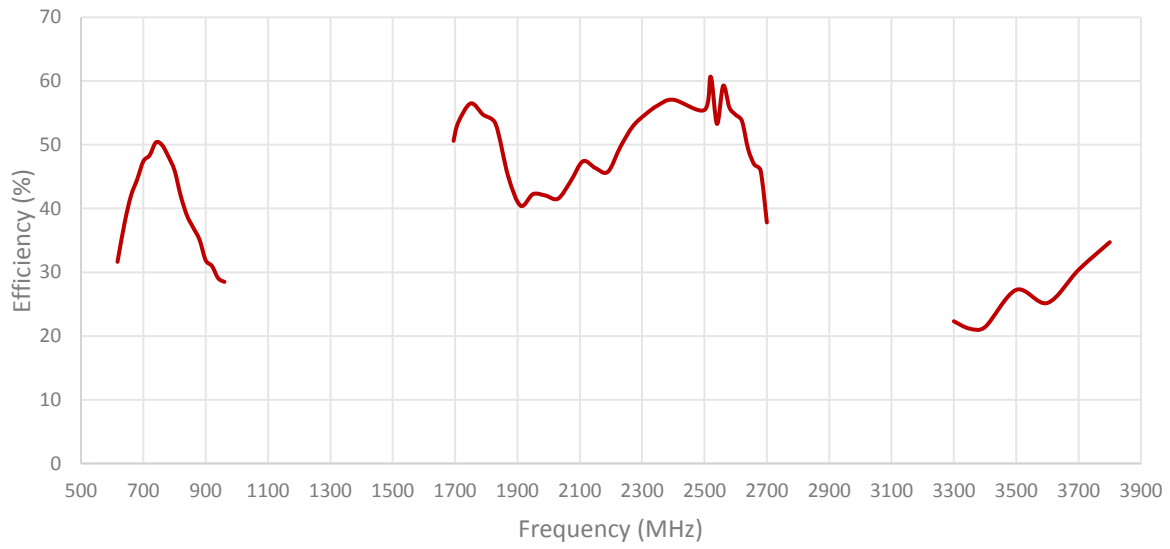
Measured in Certified CTIA 3D Anechoic Chamber

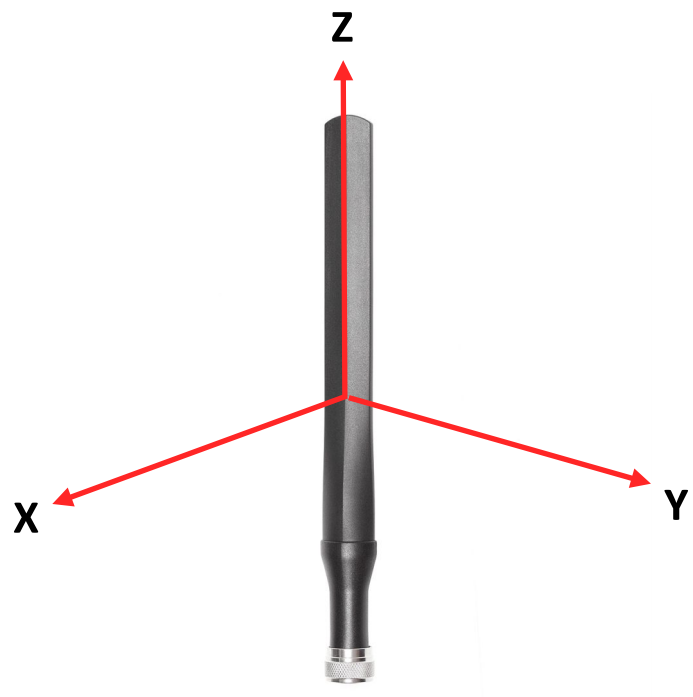
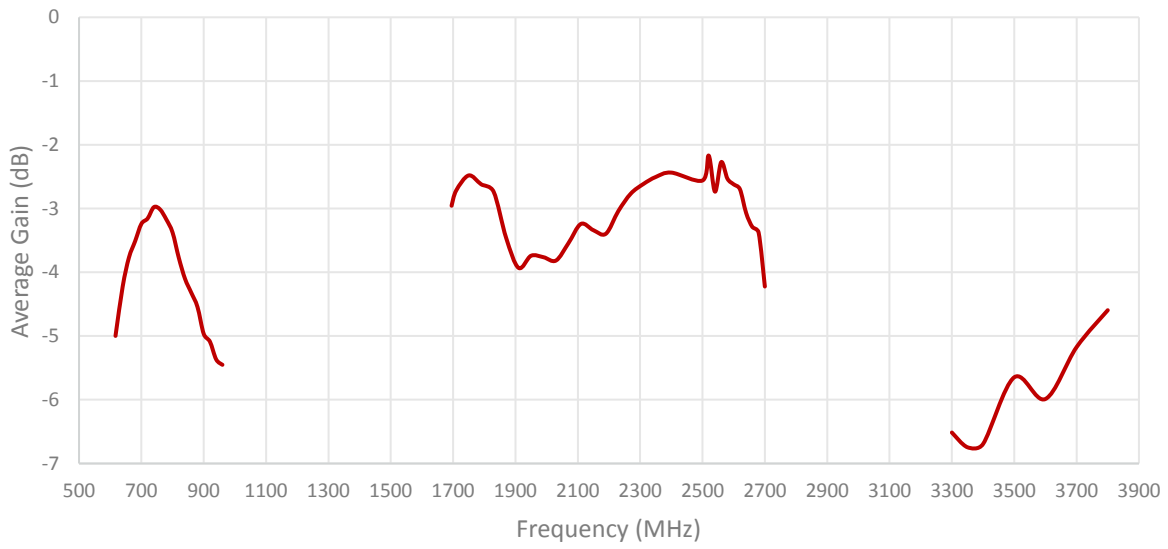
## 2. Mechanical and environmental specifications

Specifications	2JW1483
<b>Mounting Type</b>	Connector Mount
<b>Dimensions (mm)</b>	192 × 20 × 18
<b>Radome</b>	PC/ABS UV Stable
<b>Radome color</b>	Black or White
<b>Connector Feature</b>	Waterproof
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS, REACH
<b>Certificates</b>	IP67, IP69

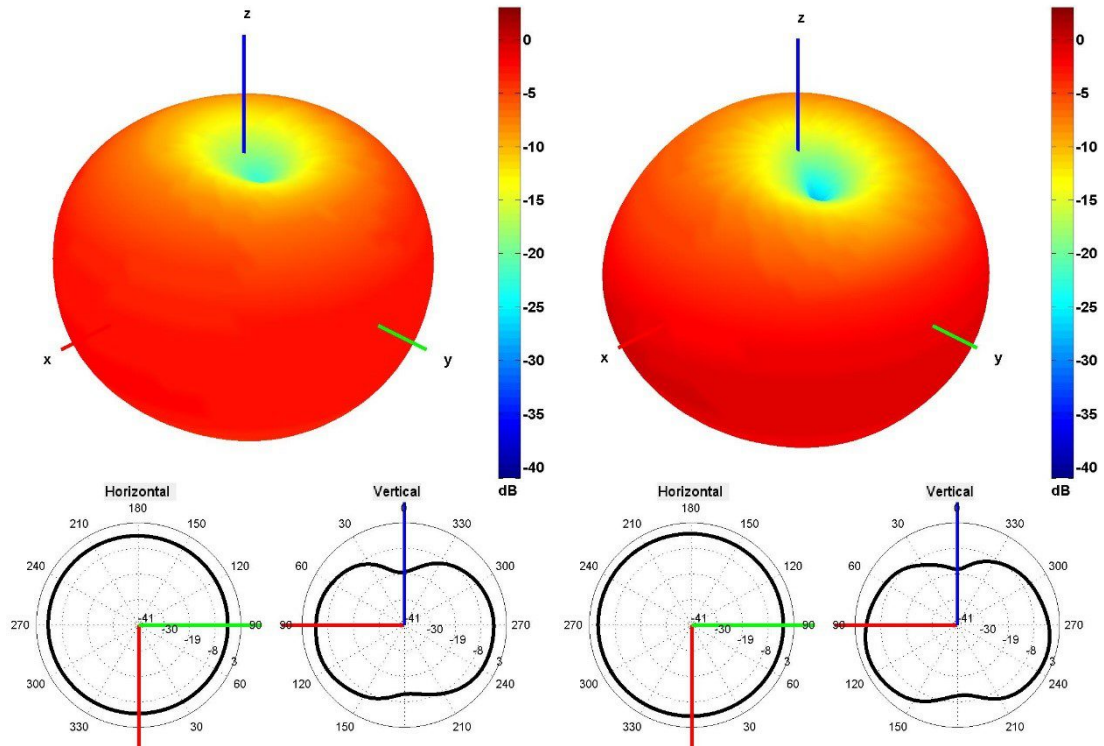
### 3. Antenna parameters



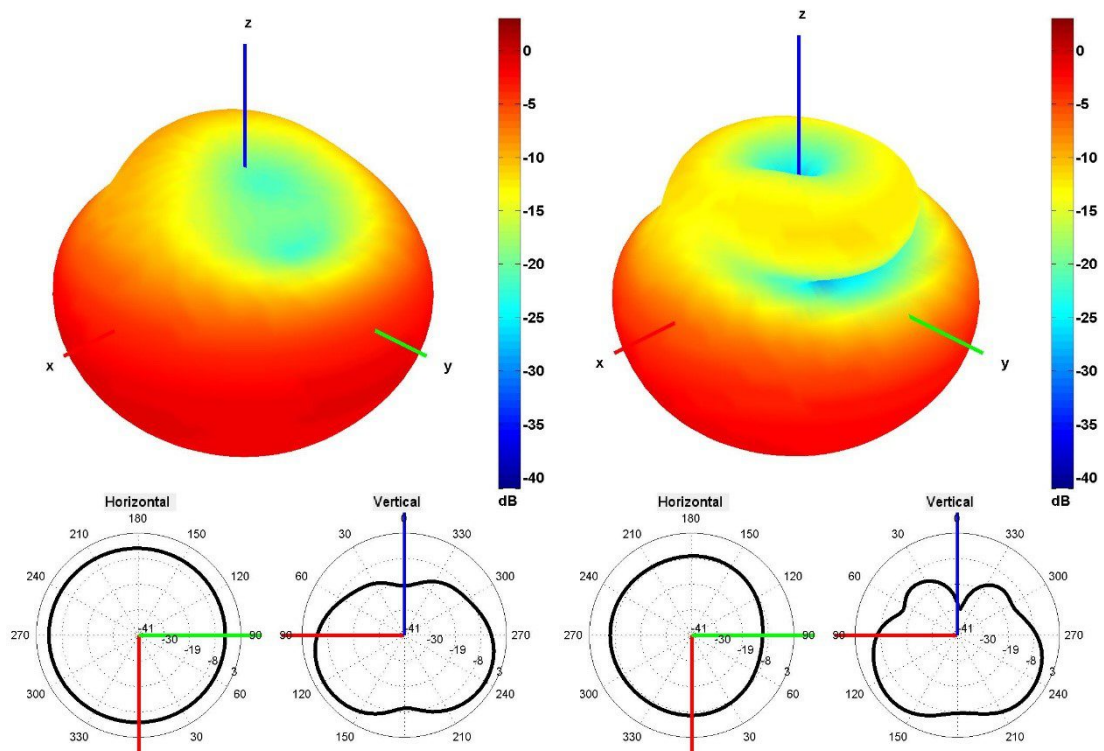




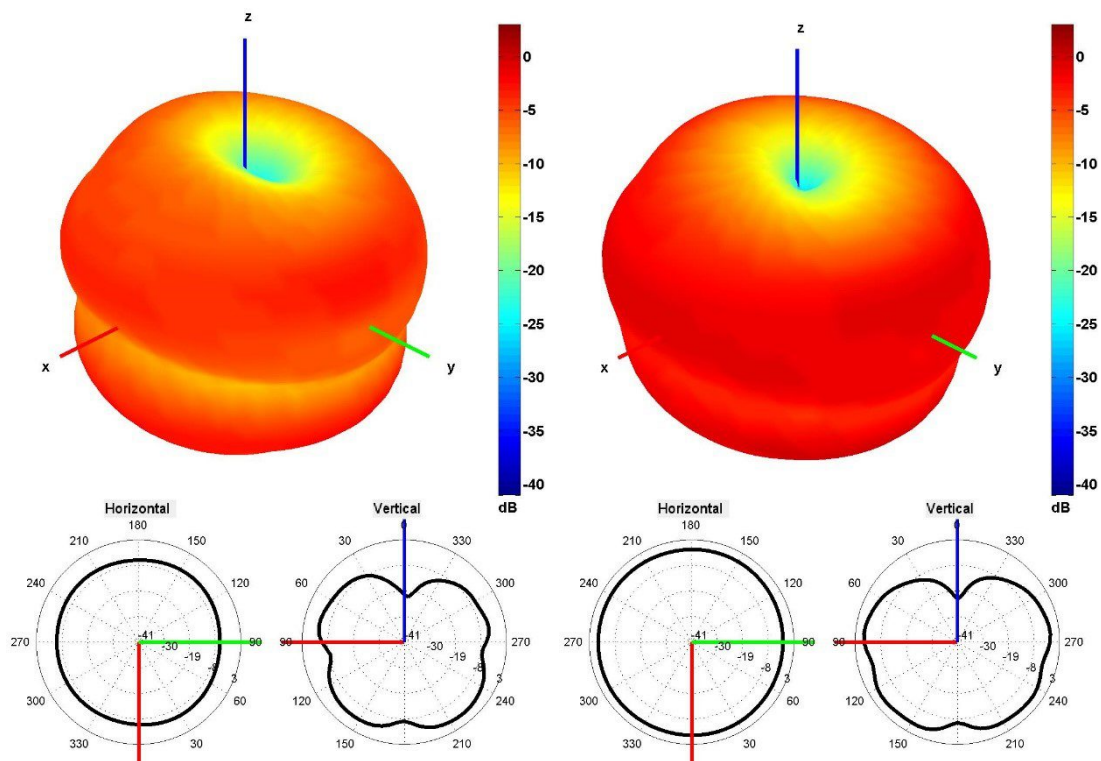
Radiation pattern reference



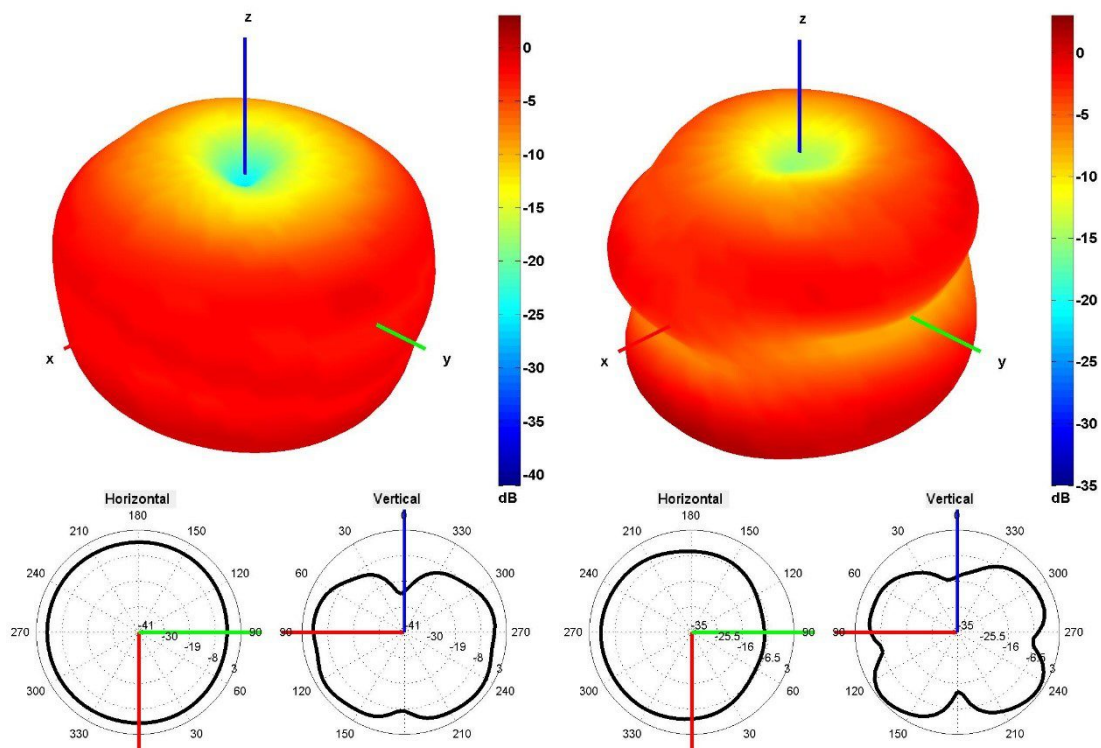
650 and 750 MHz Radiation pattern



850 and 940 MHz Radiation pattern

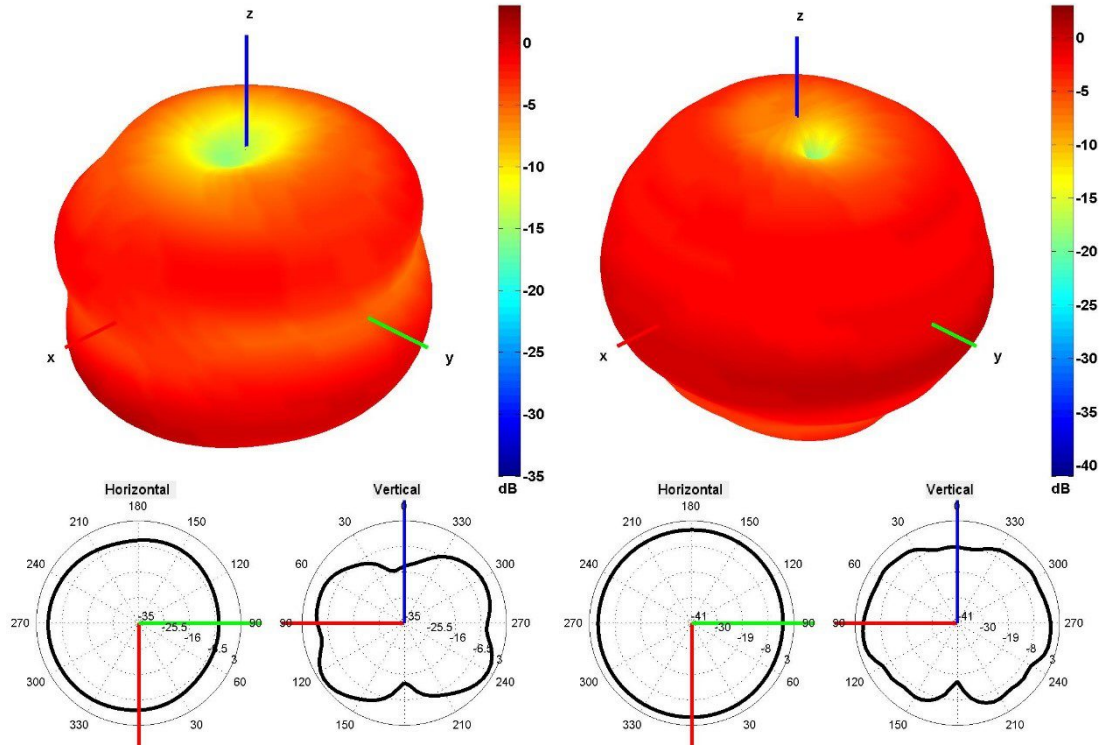


1500 and 1600 MHz Radiation pattern

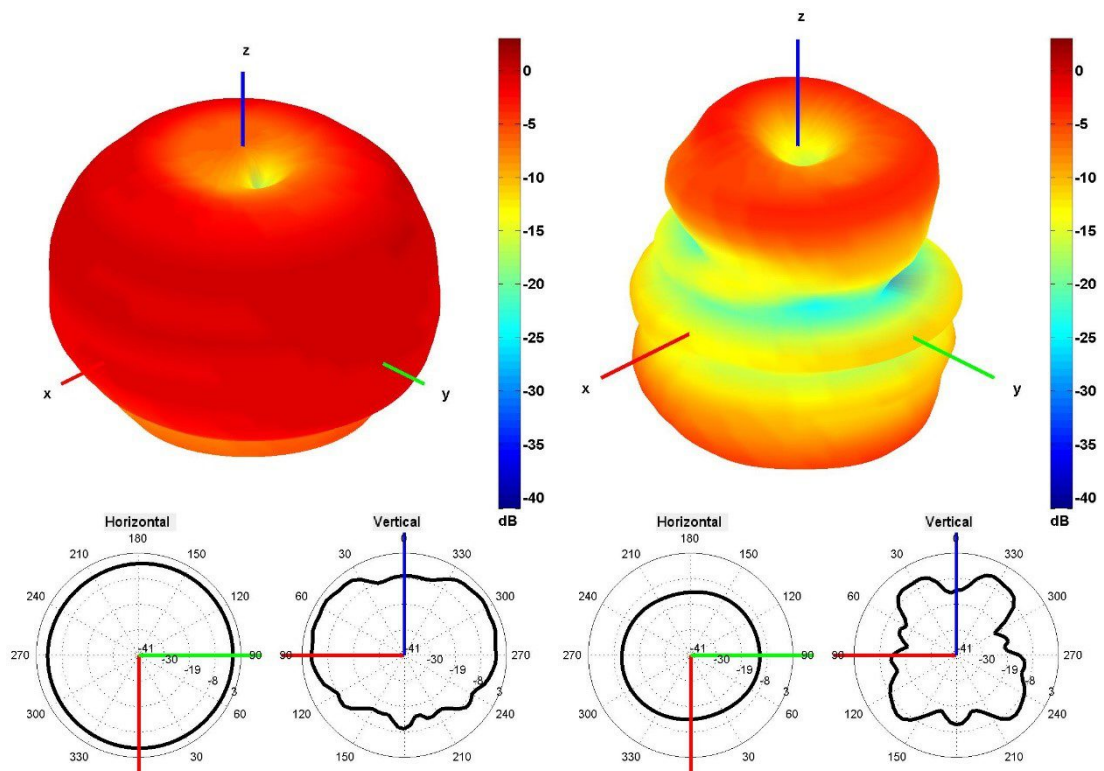


1750 and 1850 MHz Radiation pattern

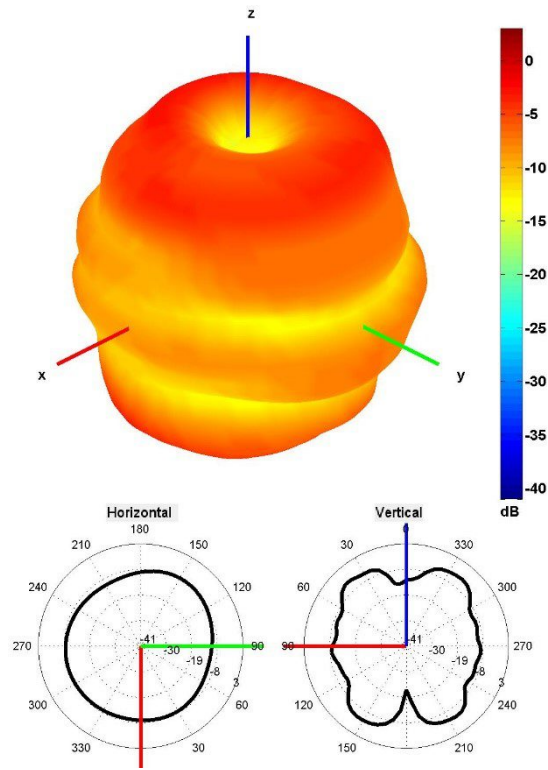




1950 and 2100 MHz Radiation pattern

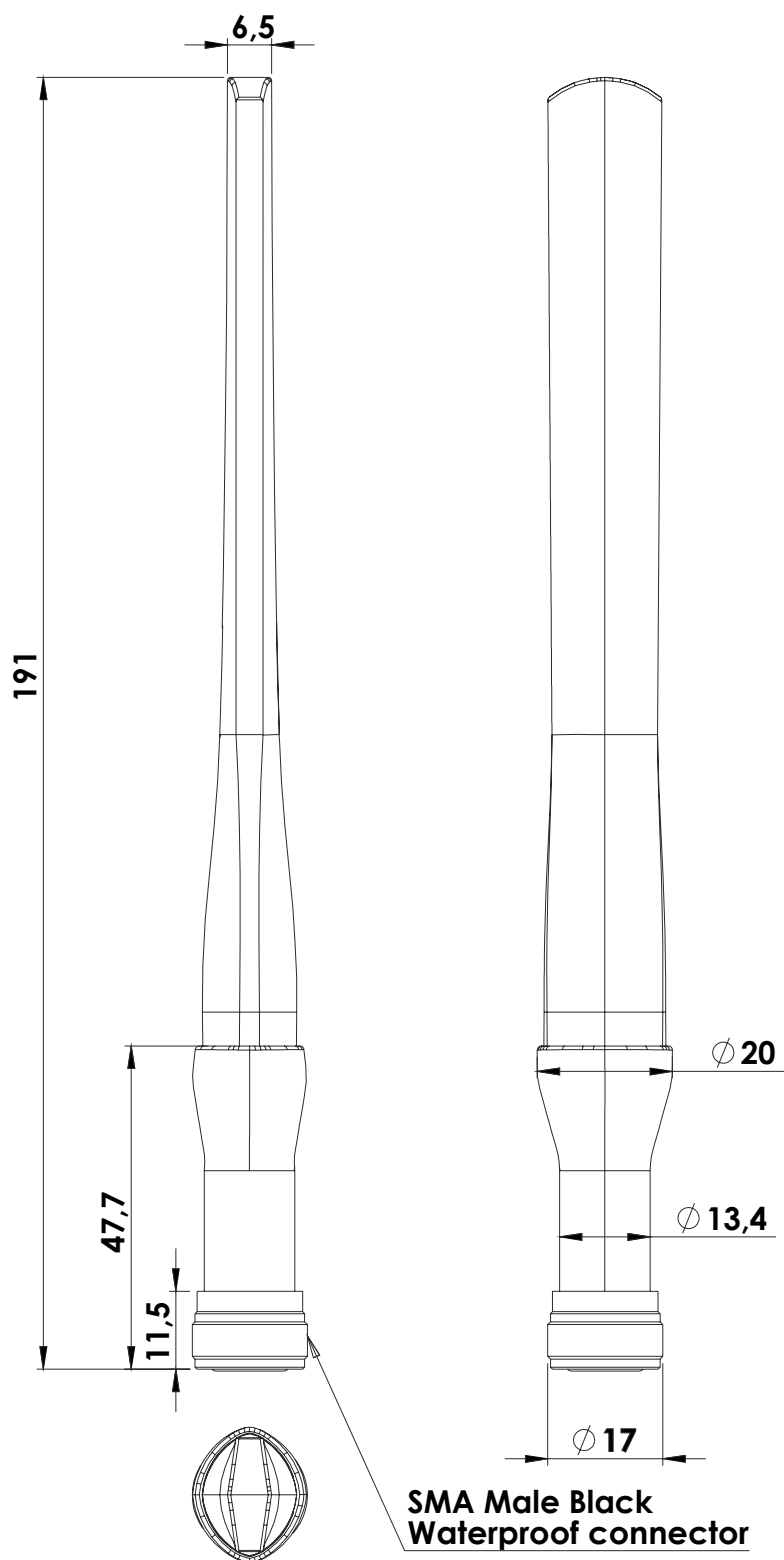


2350 and 2600 MHz Radiation pattern



3600 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

