

## 2J2183B-B05H

### 5G NR Wall Mount

#### Key Features

##### 5G NR

- 617-960 MHz
- 1427-2690 MHz
- 3300-5000 MHz
- 5150-5925 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	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	3300-5000	5150-5925
<b>Band (MHz)</b>	600, 700, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700, 4500	5200, 5500, 5800
<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	n77, n78, n79	
<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, B74, B75, B76	B22, B42, B43, B48, B49, B52	B46, B47, B252, B255
<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>	~-8.3	~-13.0	~-14.1	~-11.9
<b>VSWR</b>	~2.4:1	~1.8:1	~1.7:1	~1.9:1
<b>Efficiency (%)</b>	~66.6	~62.6	~40.6	~32.4
<b>Peak Gain (dBi)</b>	~3.9	~4.0	~3.9	~3.9
<b>Average Gain (dB)</b>	~-1.8	~-2.1	~-4.1	~-4.9
<b>Impedance (Ohm)</b>	50			
<b>Polarisation</b>	Linear			
<b>Radiation Pattern</b>	Omni-Directional			
<b>Max. Input Power (W)</b>	35			
<b>Connector Type</b>	SMA-Male Standard (Other Connectors Available)			
<b>Cable Length</b>	300 cm Standard (Any Cable Length Available)			
<b>Cable Type</b>	LL195 Standard (Other Cables Available)			

### Antenna Measurement Conditions:

Free Space

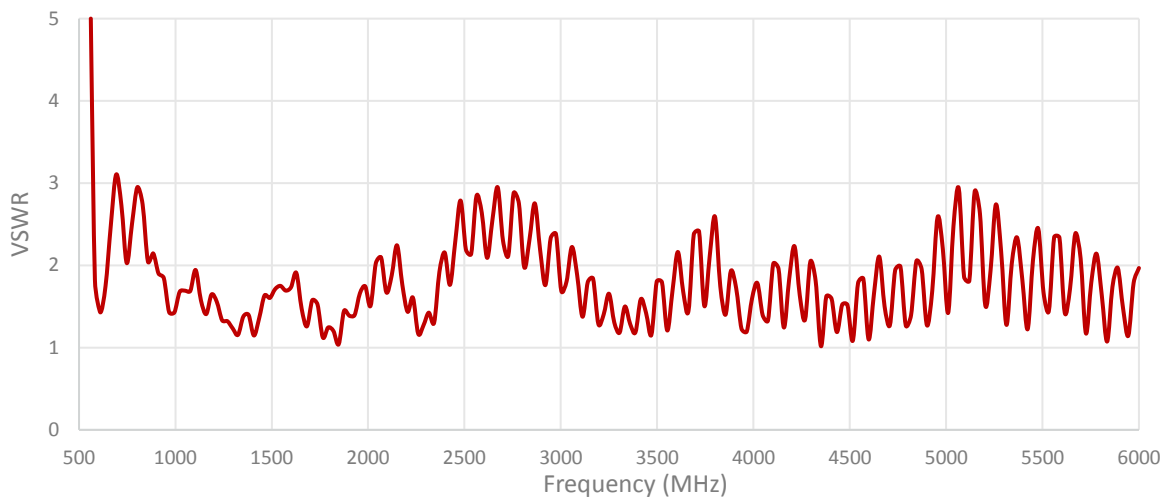
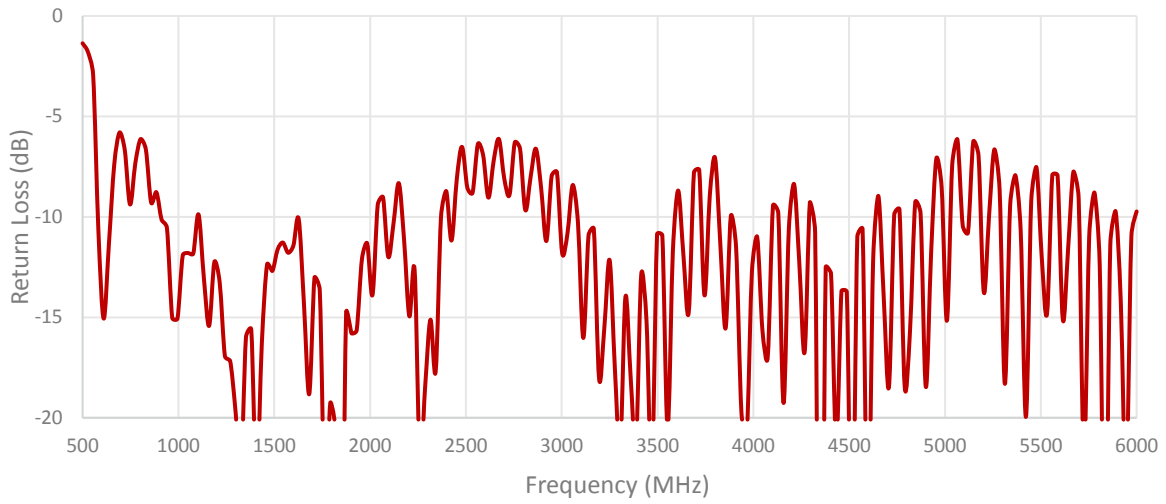
100 cm of Cable LL195

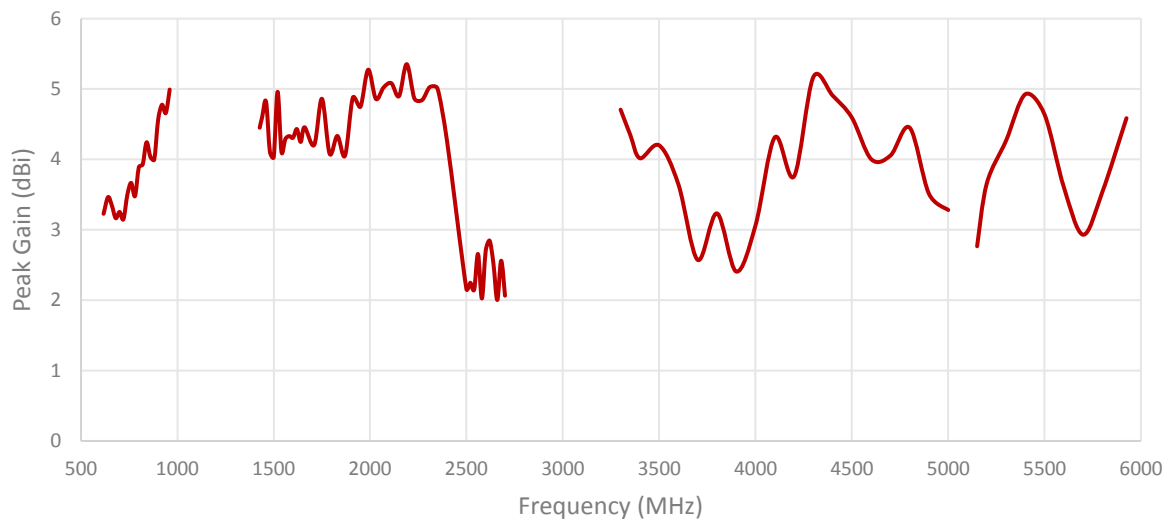
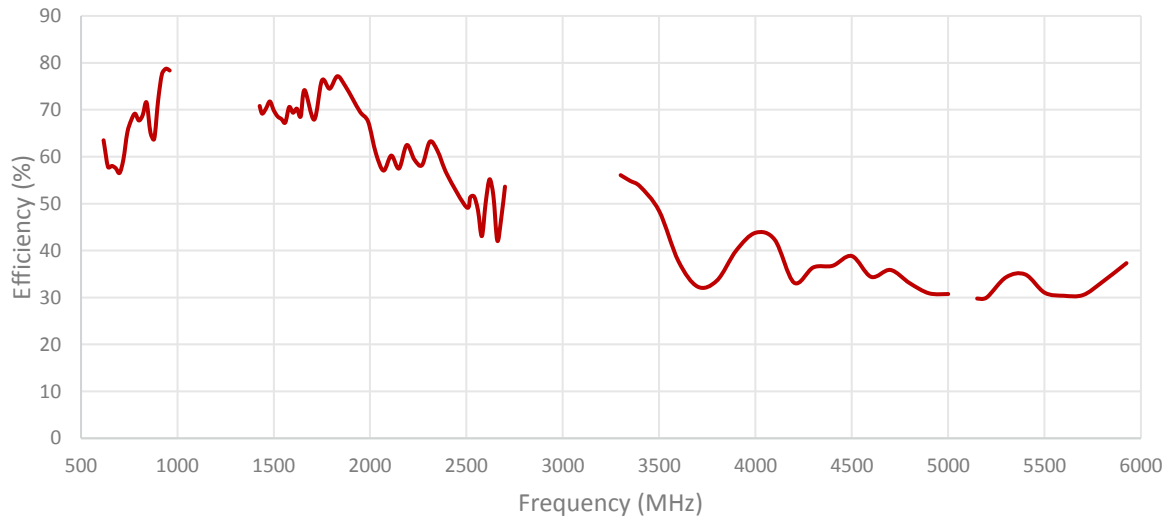
Measured in Certified CTIA 3D Anechoic Chamber

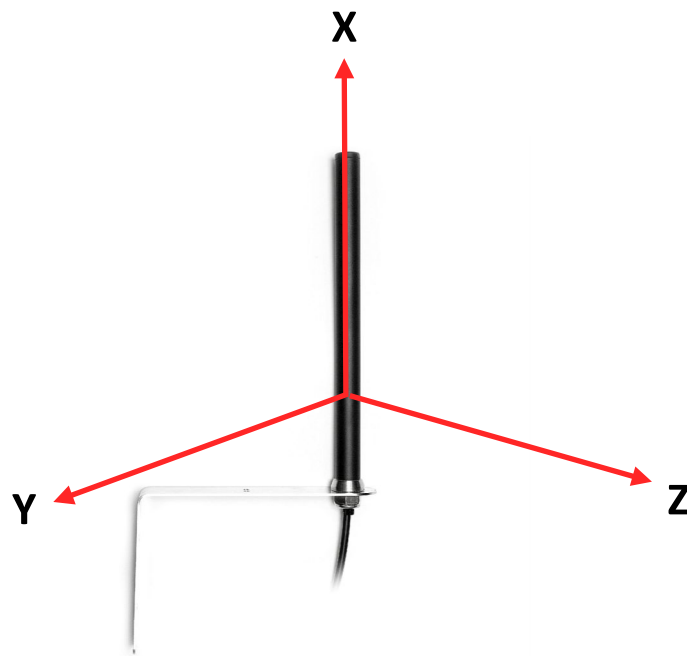
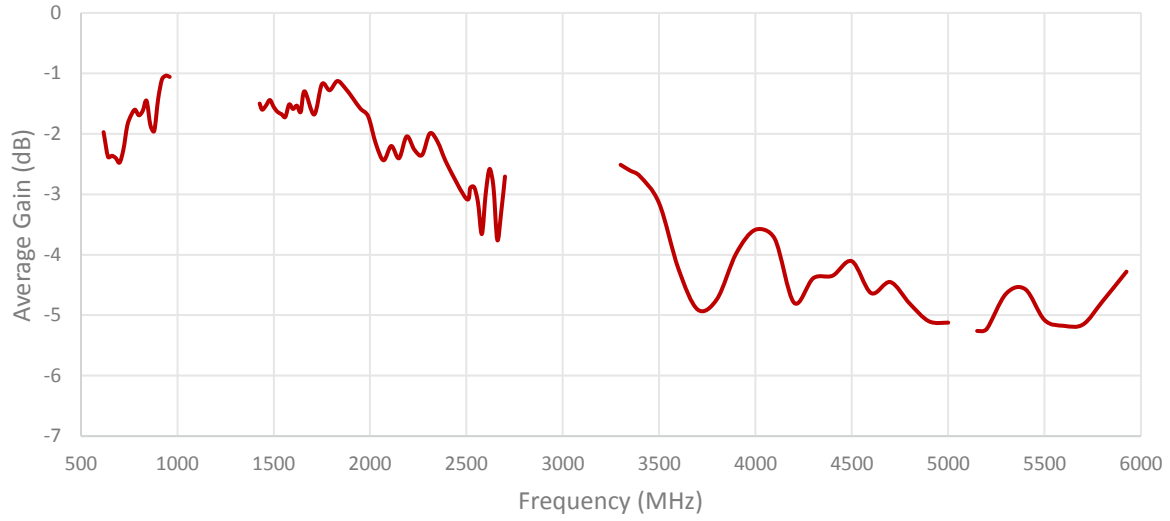
## 2. Mechanical and environmental specifications

Specifications	2J2183B-B05H
<b>Mounting Type</b>	Wall Mount
<b>Dimensions (mm)</b>	325 × 36 × 155 (220 × Ø 16)
<b>Radome</b>	ASA
<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

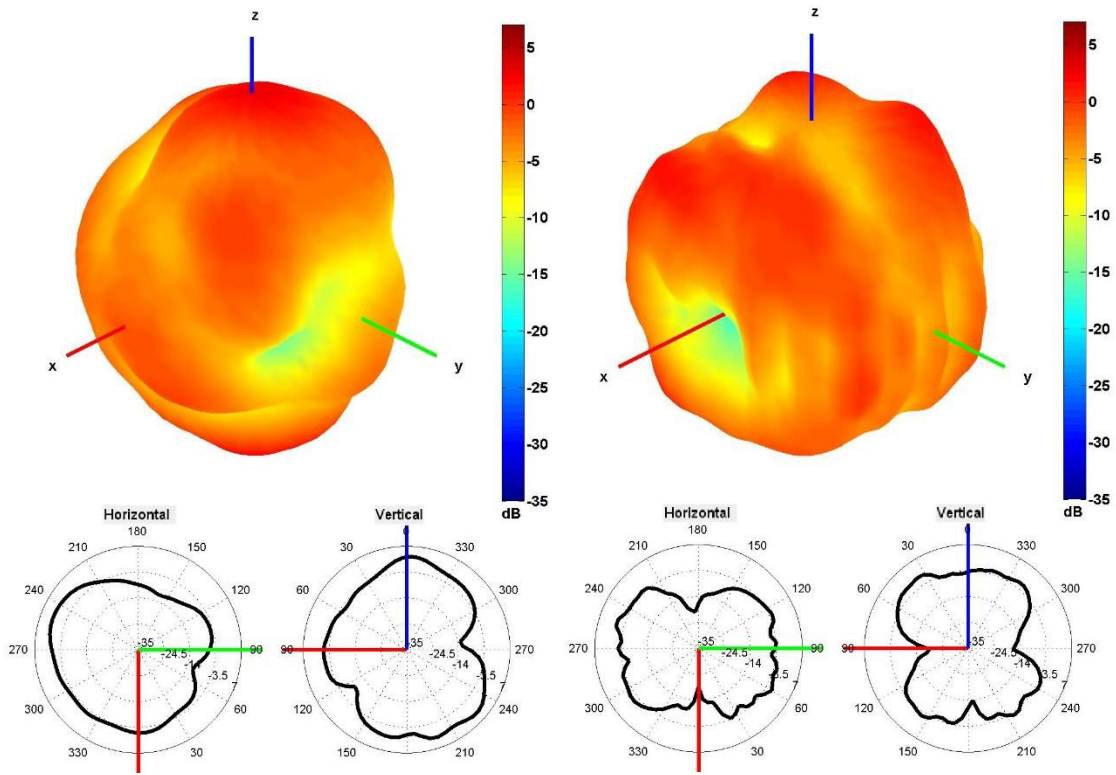
### 3. Antenna parameters



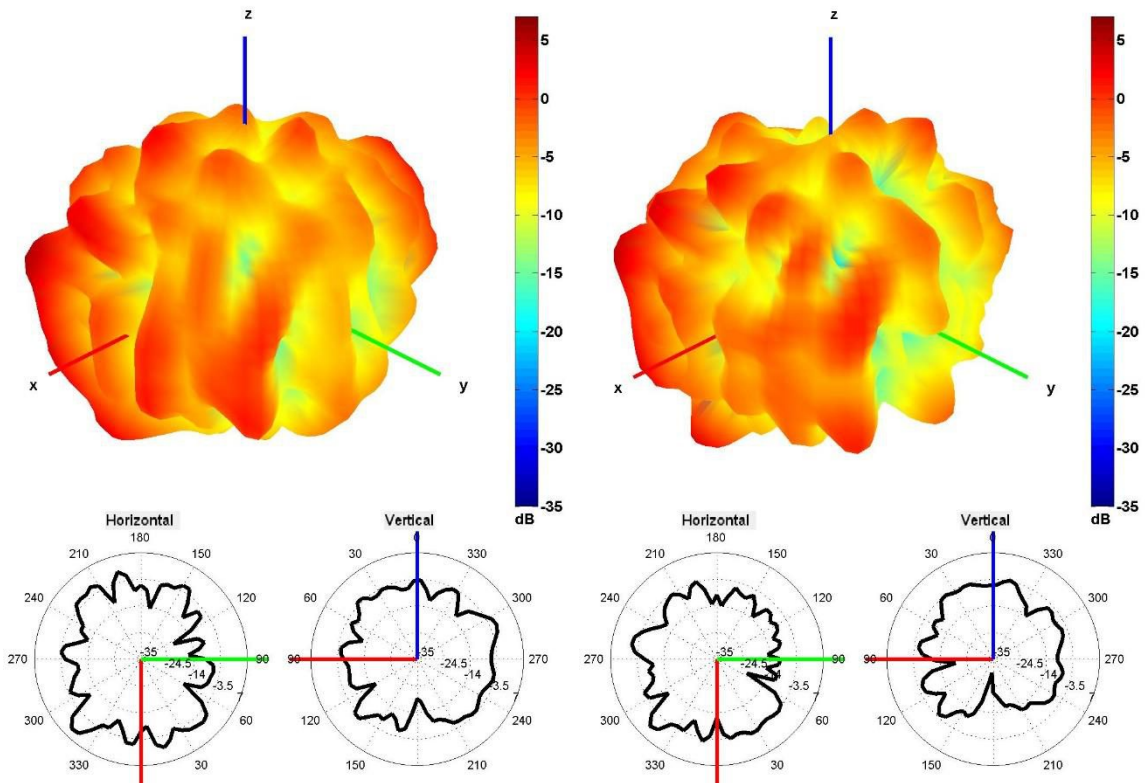




Radiation pattern reference

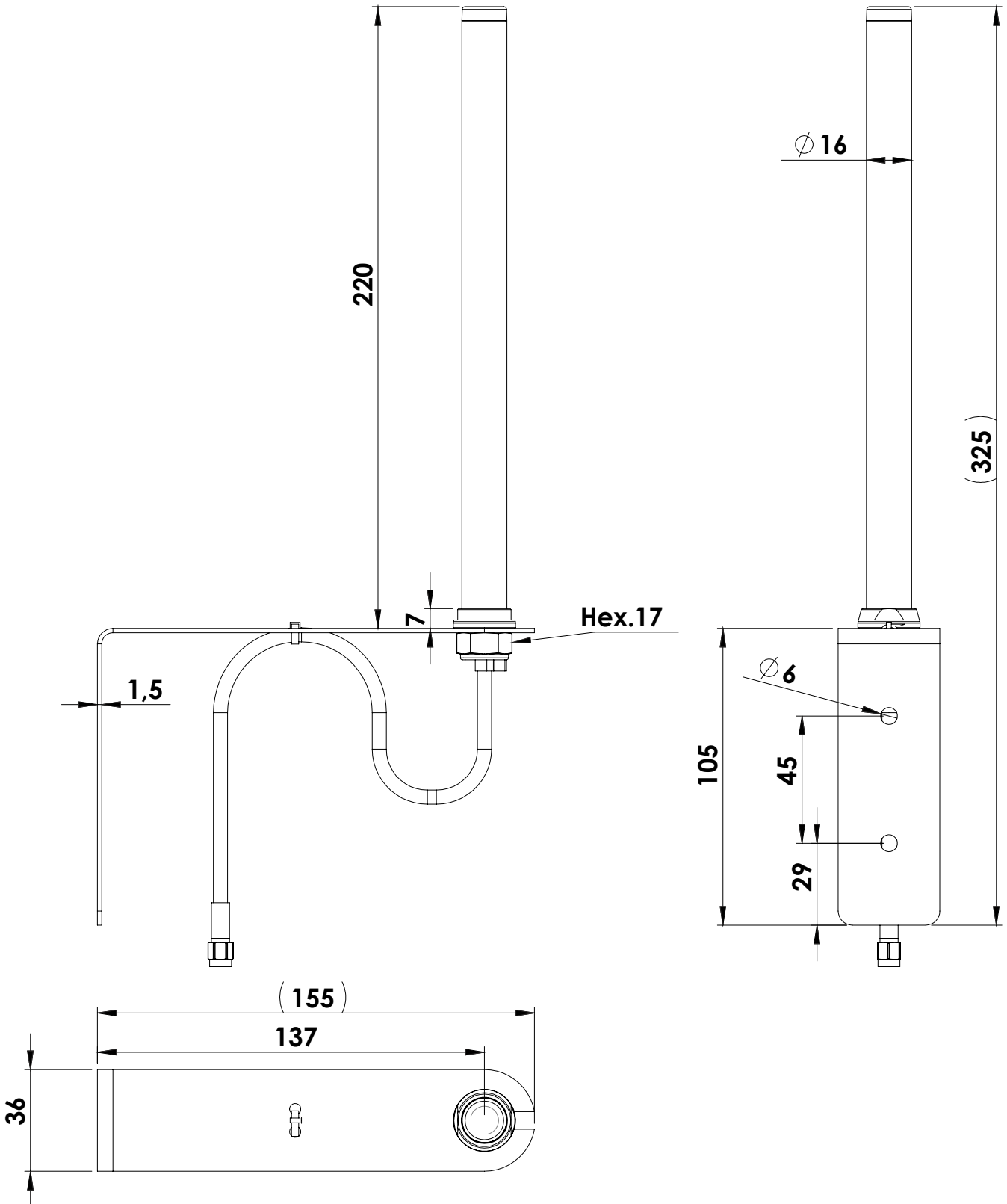


750 and 2500 MHz Radiation pattern



4500 and 5500 MHz Radiation pattern

## 4. Antenna drawings





## 5. Antenna Images

