

2JW0183y-C276B

5GNR Connector Mount

Key Features

5GNR

- 617-960 MHz
- 1427-2690 MHz
- 3300-5000 MHz
- 5150-5925 MHz
- 5925-7125 MHz

Connector Mount

Ultra Wide band Antenna

High Performance

Ground Plane Independent

Hinged Connector

Dimensions 171 × 38 × 13.8 mm



1. Antenna and electrical specifications

Parameters	5G NR Antenna				
Technologies	5G, 4G, 3G and 2G				
Standards	5G NR/4G LTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G				
Frequency (MHz)	617-960	1427-2690	3300-5000	5150-5925	5925-7125
Band (MHz)	600, 700, 800, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700, 4500	5200, 5500, 5800	6175, 6525, 6775
5G NR Bands	n5, n8, n12, n13, n14, n18, n20, n26, n28, n29, n67, n71, n81, n82, n83, n85, n89, n100, n105, n106	n1, n2, n3, n7, n24, n25, n30, n34, n38, n39, n40, n41, n50, n51, n53, n54, n65, n66, n70, n74, n75, n76, n80, n84, n86, n91, n92, n93, n94, n95, n97, n98, n99, n101, n109, n254, n255, n256	n48, n77, n78, n79, n90	n46, n47	n96, n102, n104
4G LTE Bands	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	
3G CELL Bands	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		
2G CELL Bands	710, 750, 810T, 850, 900P, 900E, 900R	1800DCS, 1900PCS			
CDMA CELL Bands	BC0, BC2, BC3, BC7, BC9, BC10, BC12, BC18, BC19	BC1, BC4, BC6, BC8, BC13, BC14, BC15, BC16, BC20, BC21			
Return Loss (dB)	~-10.9	~-11.4	~-11.3	~-11.7	~-5.7
VSWR	~2.2:1	~1.9:1	~1.9:1	~2.0:1	~4.3:1
Efficiency (%)	~75.7	~75.6	~65.9	~65.7	~38.7
Peak Gain (dBi)	~3.8	~3.4	~4.1	~3.9	~1.4
Average Gain (dB)	~-1.3	~-1.4	~-1.8	~-2.0	~-4.6
Impedance (Ohm)	50				
Polarisation	Linear				
Radiation Pattern	Omni-Directional				
Max. Input Power (W)	25				
Connector Type	SMA-Male				

Antenna Measurement Conditions:

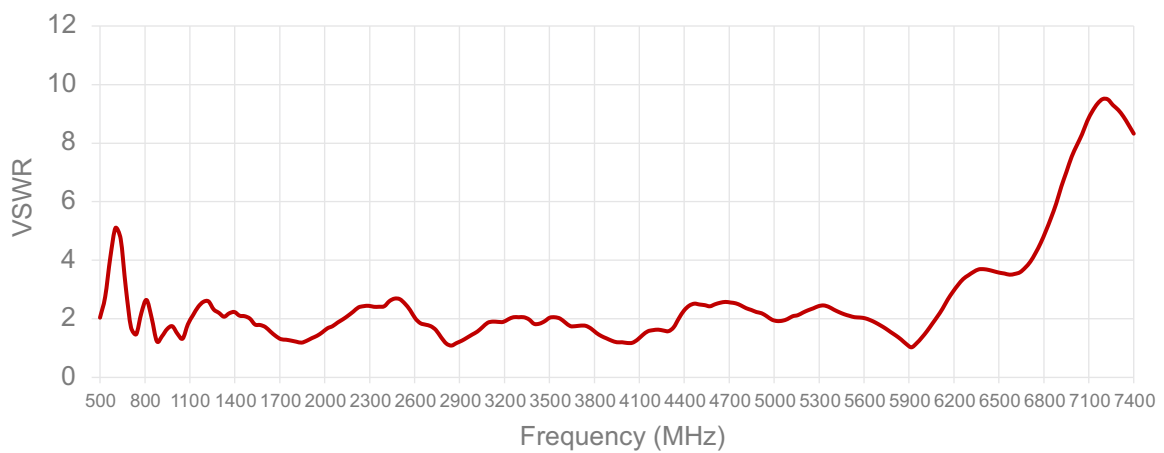
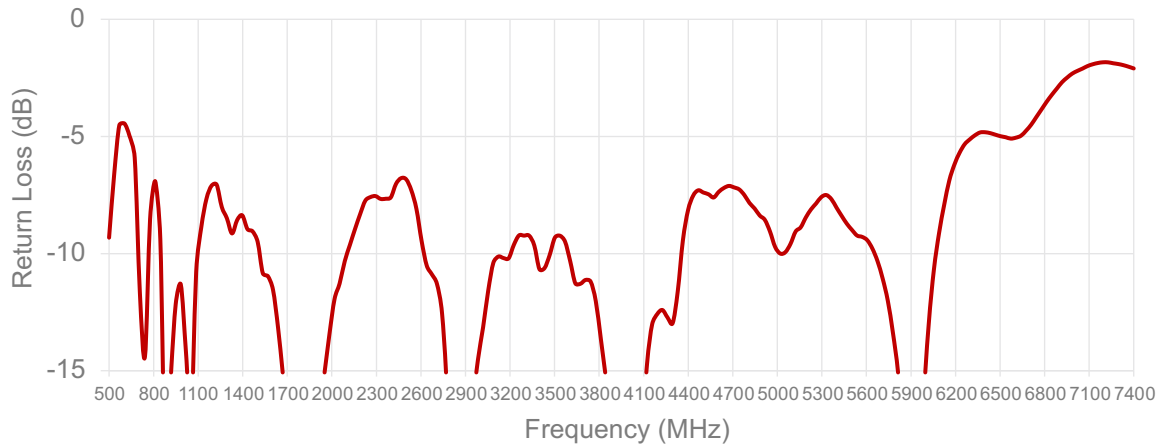
Free Space

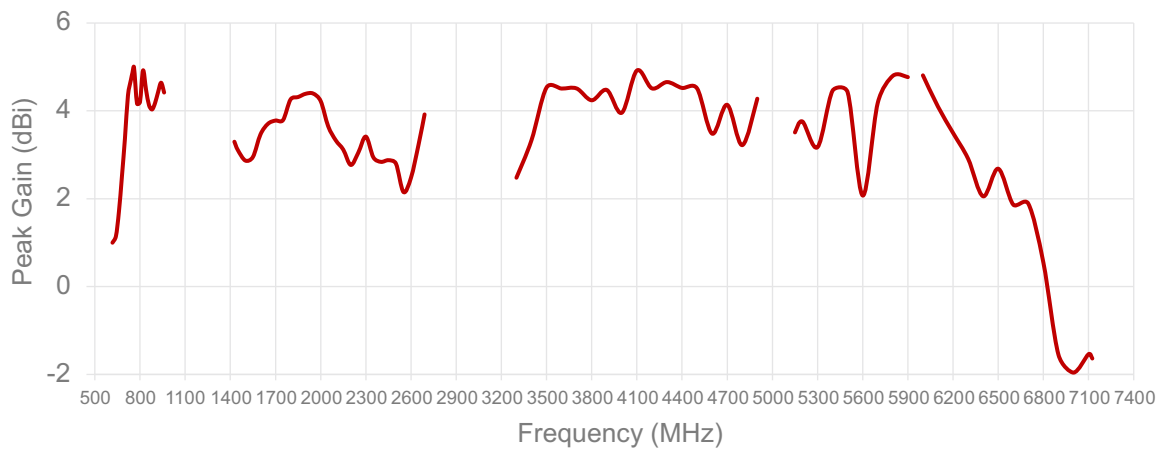
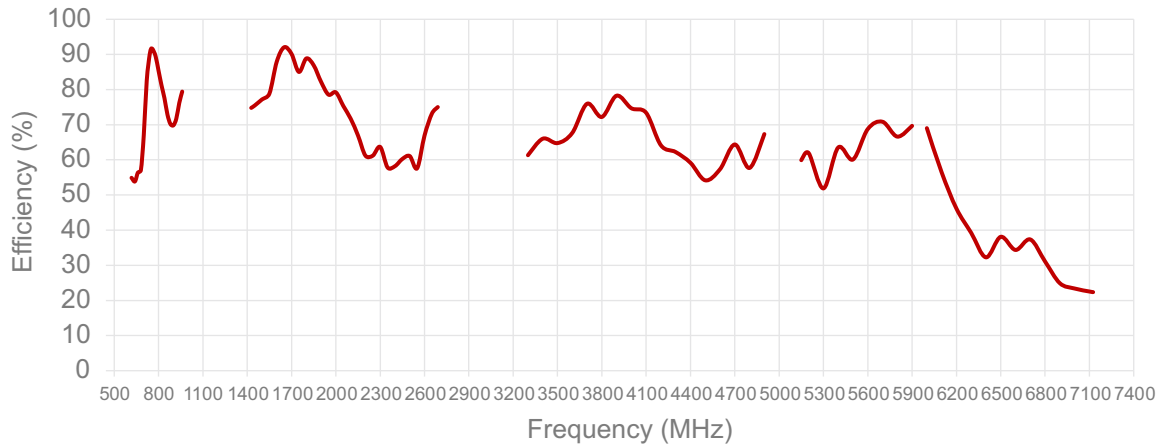
Measured in Certified CTIA 3D Anechoic Chamber

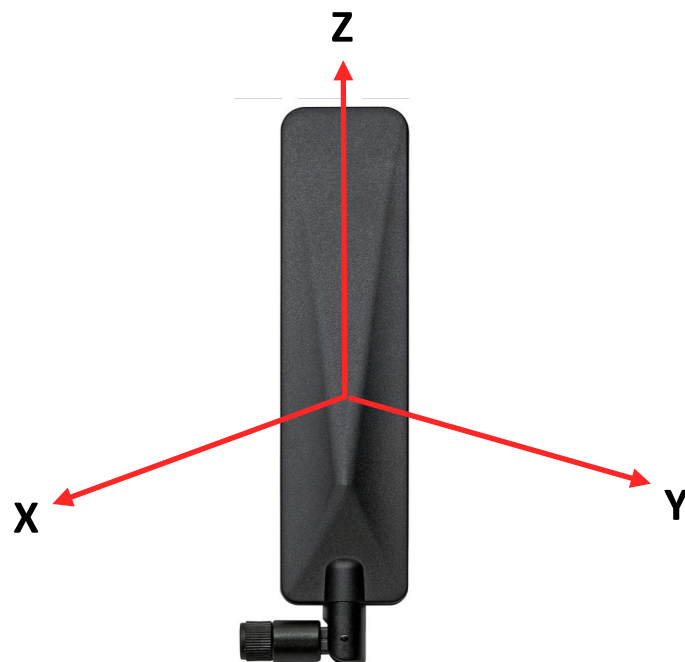
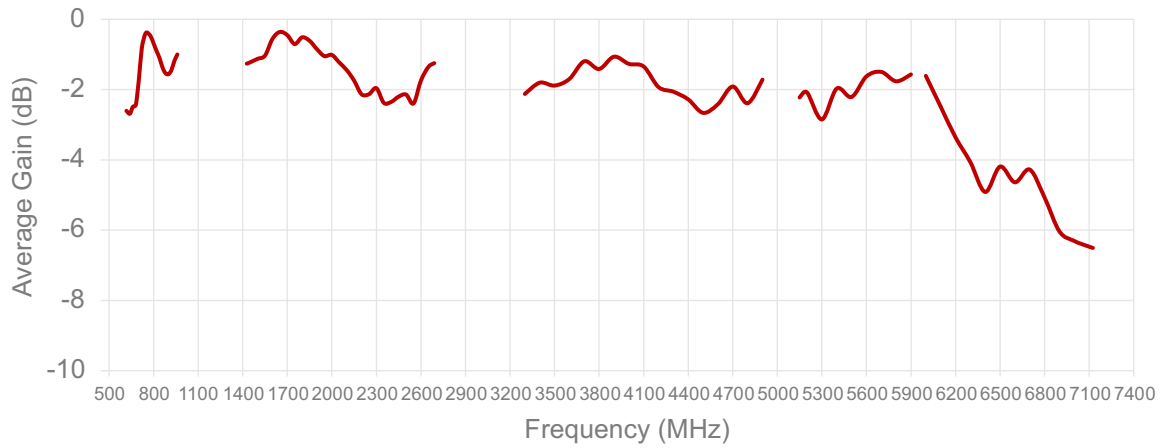
2. Mechanical and environmental specifications

Specifications	2JW0183y-C276B
Mounting Type	Connector Mount
Dimensions (mm)	171 × 38 × 13.8
Radome	ASA
Radome color	Black or White
Connector Feature	Hinged
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS, REACH

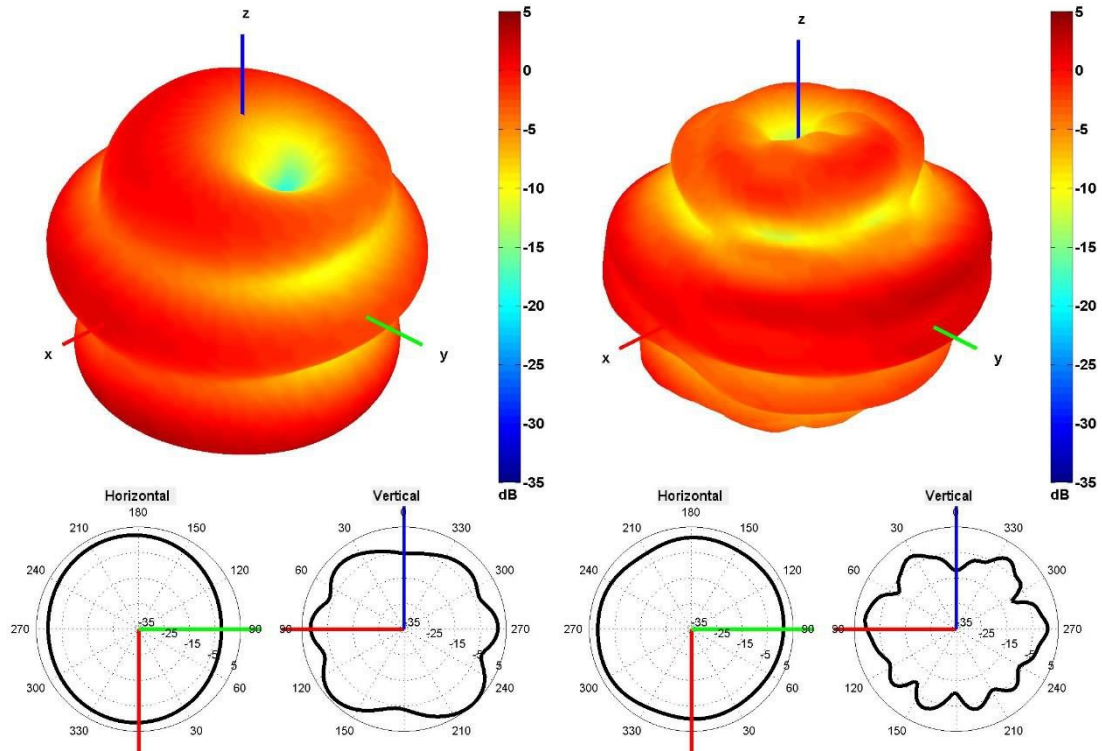
3. Antenna parameters



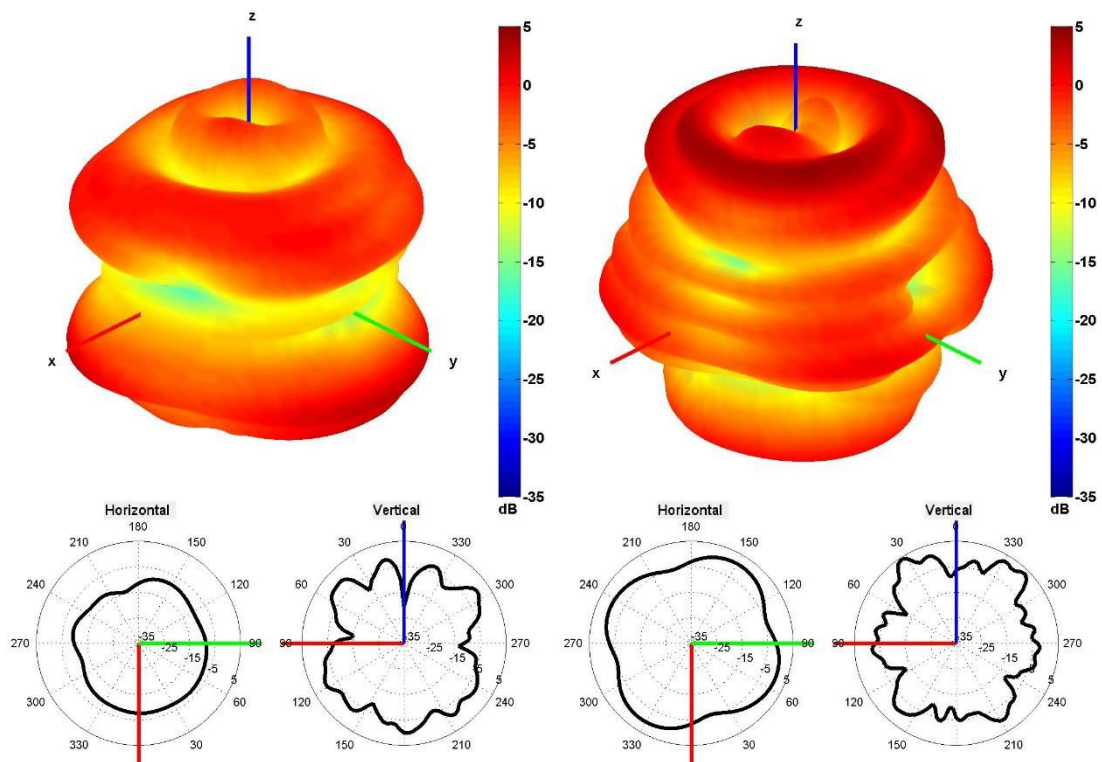




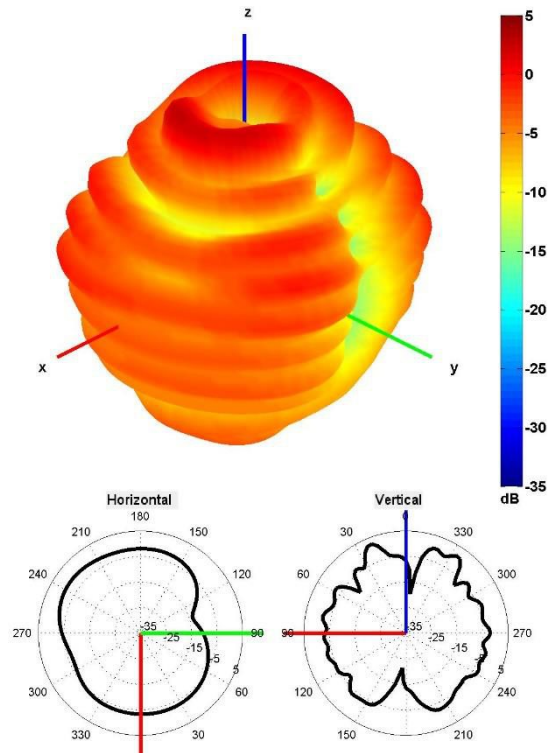
Radiation pattern reference



750 and 2500 MHz Radiation pattern

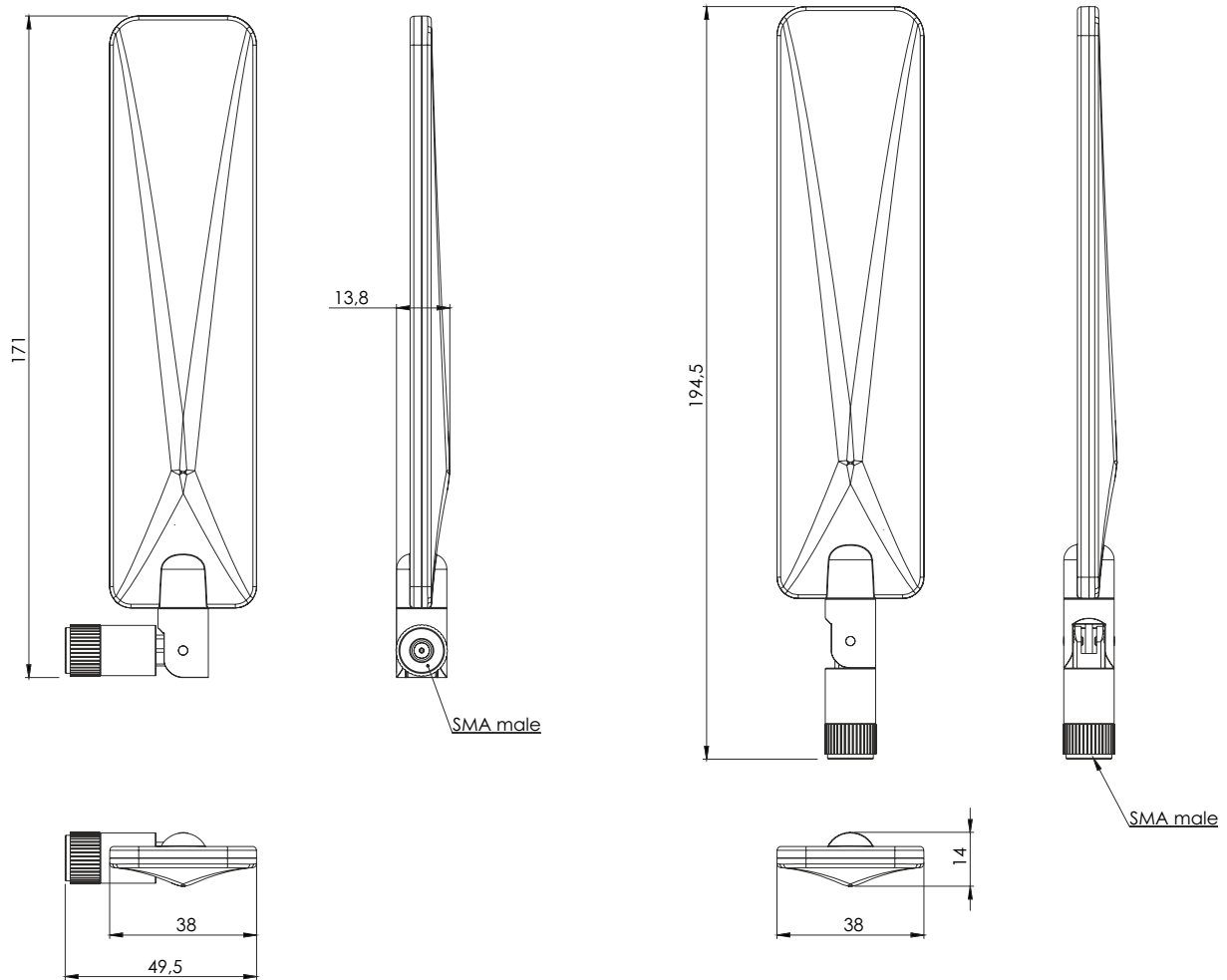


4500 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

