

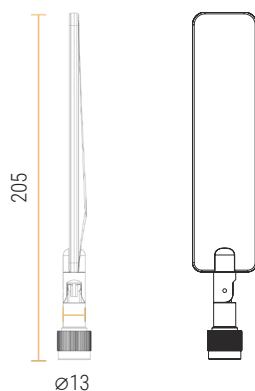


Model Number:

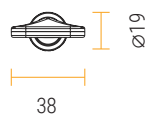
A21-V44-600

This antenna with modern design is suitable for 4G LTE routers, terminals, and other telematic applications.

The antenna is omnidirectional with high efficiency and covers worldwide networks. Two variations of mounting swivels allow different orientation of antennas on devices with MIMO systems.



180° Angle Positon



Top View

FEATURES

- 617-960 MHzw
- 1427-2690 MHz
- 3300-5000 MHz
- 5150-5925 MHz
- Connector Mount
- N-type Male connector
- Ultra Wide Band Antenna
- High Performance
- Ground Plane Independent
- Hinged Connector
- Dimensions 171 × 38 × 13.8 mm

SPECIFICATIONS

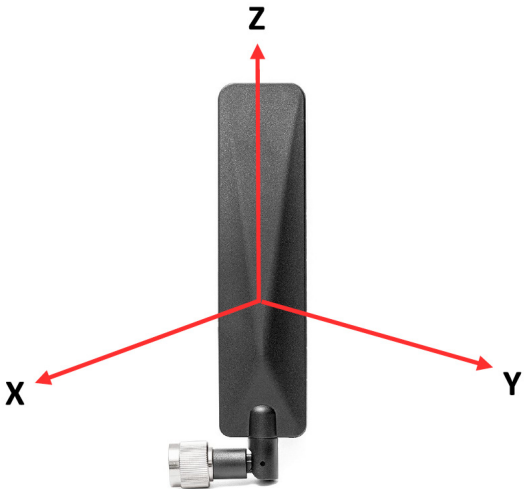
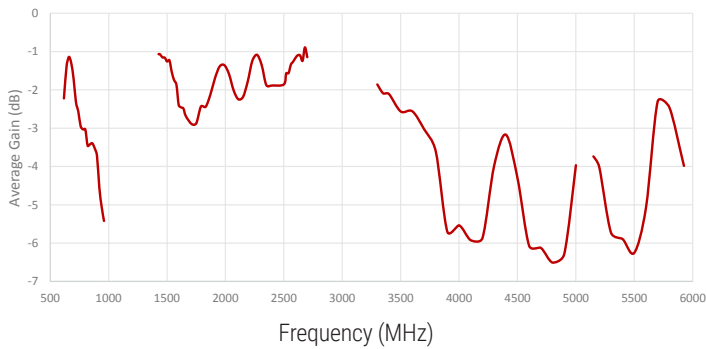
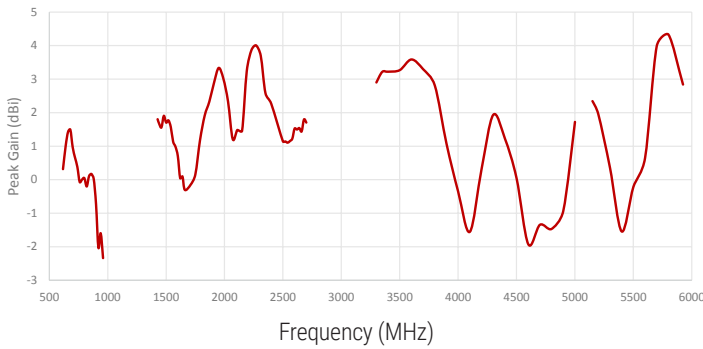
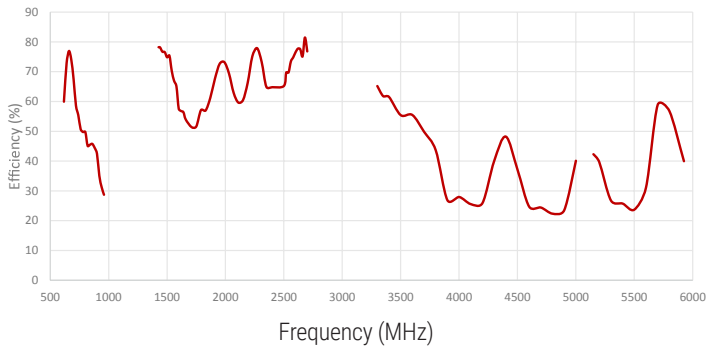
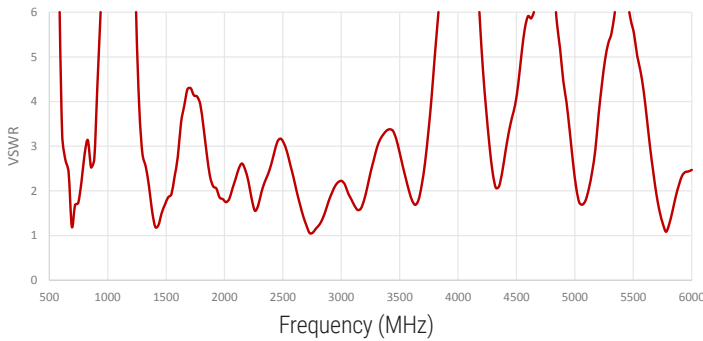
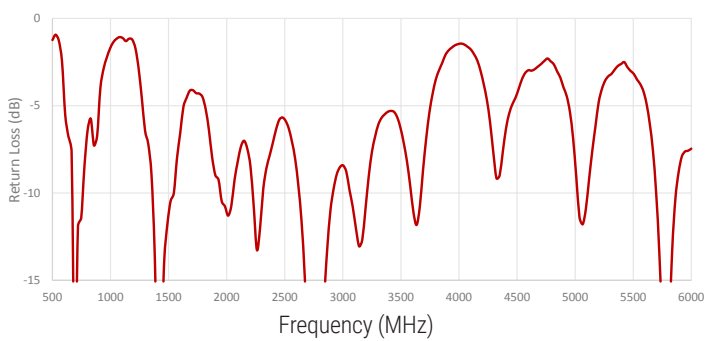
ANTENNA AND ELECTRICAL

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
Band (MHz)	600, 700, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700, 4500	5200, 5500, 5800
5G NR Bands	n5, n8, 12, n20, n28, n71,	n1, n2, n3, n7, n25, n34,	n77, n78, n79	
4G LTE Bands	n81, n82, n83,	n38, n39, n40, n41, n50,	B22, B42, B43, B48,	B46, B47, B252, B255
3G CELL Bands	B5, B6, B8, B12, B13, B14,	n51, n66, n70, n74, n75,	B49, B52	
2G CELL Bands	B17, B18, B19, B20, B26,	n76, n80, n84, n86	B22	
CDMA CELL Bands	B27, B28, B29, B44, B67,	B1, B2, B3, B4, B7, B9,		
Return Loss (dB)	~ -8.3	~ -8.5	~ -4.7	~ -7.3
VSWR	~2.8:1	~2.5:1	~5.1:1	~3.9:1
Efficiency (%)	~51.9	~68.4	~40.0	~38.3
Peak Gain (dBi)	~0.0	~1.7	~1.1	~1.6
Average Gain (dB)	~ -3.0	~ -1.7	~ -4.3	~ -4.4
Impedance	50 Ohm			
Polarisation	Linear			
Radiation Pattern	Omni-Directional			
Max. Input Power	25W			
Connector	N-type Male			

MECHANICAL AND ENVIRONMENTAL

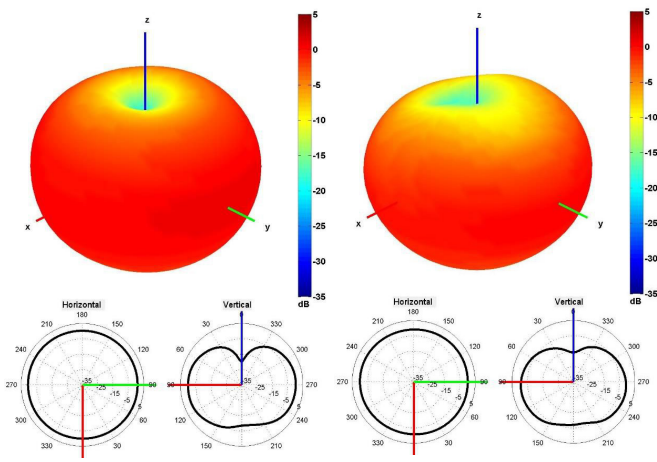
Mounting Type	Connector Mount
Dimensions	205×38×19 mm
Radome	PC/ABS UV Stable
Radome Color	White
Connector Feature	Hinged
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Substance Compliance	RoHS, REACH

ANTENNA PARAMETERS

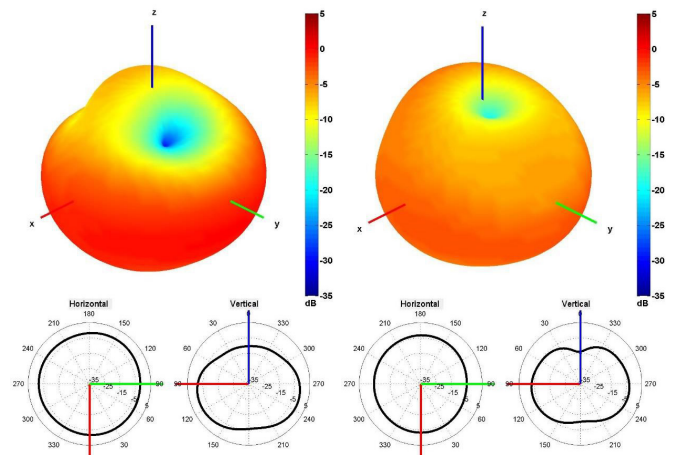


Radial pattern reference

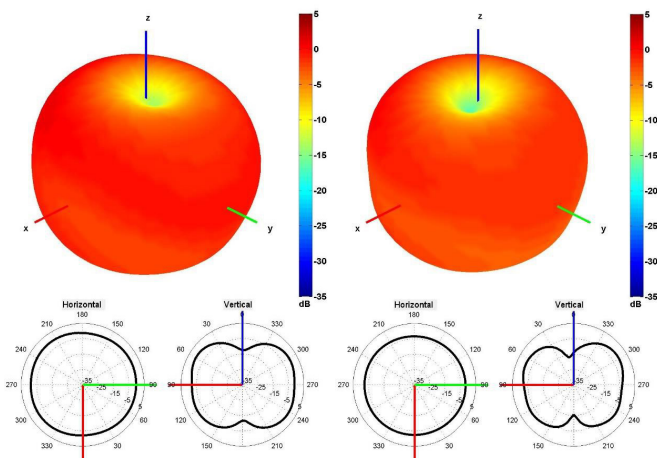
RADIATION PATTERNS



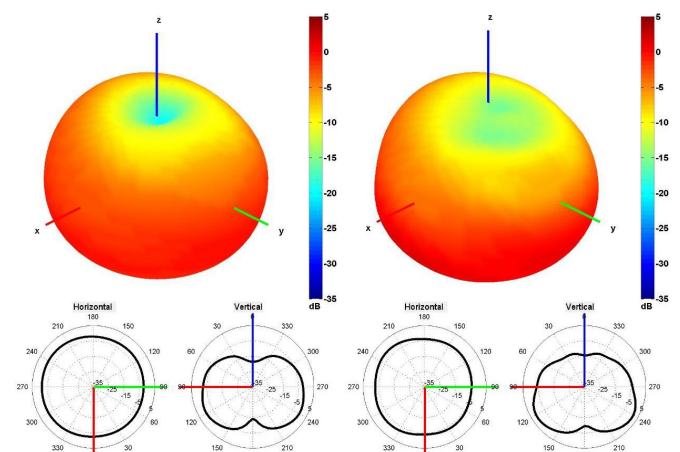
650 and 750 MHz



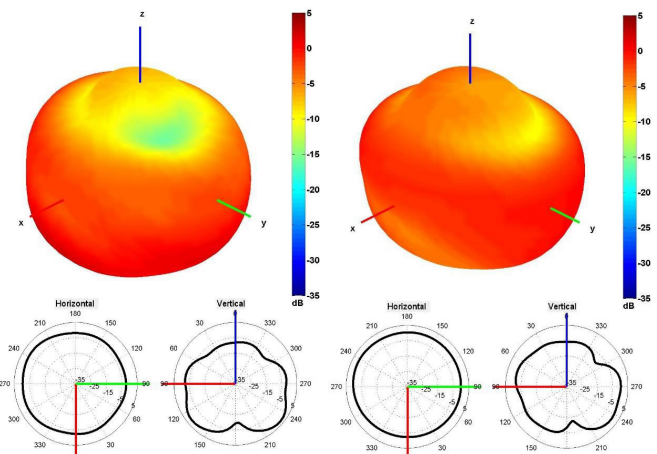
850 and 940 MHz



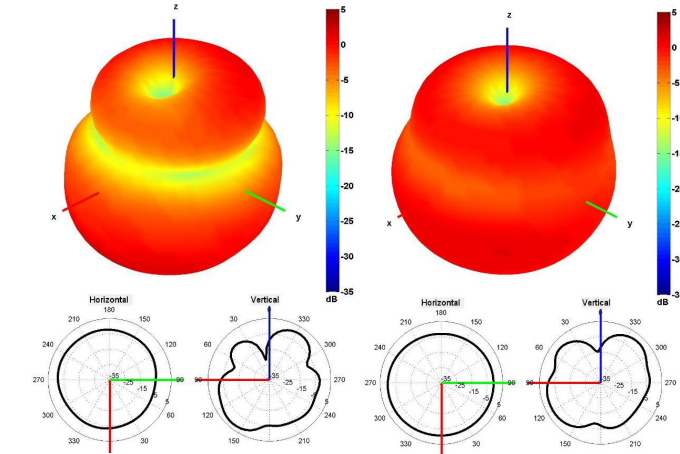
1500 and 1600 MHz



1750 and 1850 MHz

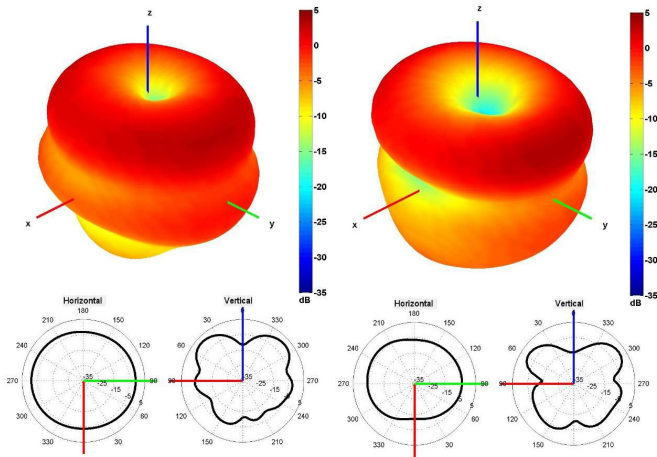


1950 and 2100 MHz

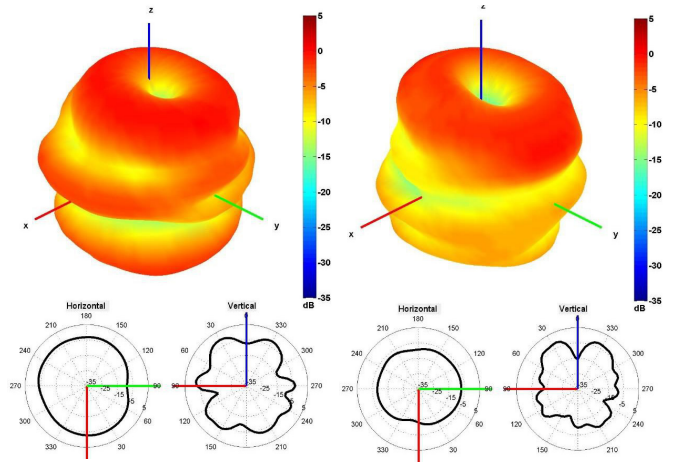


2350 and 2600 MHz

ANTENNA PATTERNS



3350 and 3600 MHz



4500 and 5500 MHz