



ULTRAMAX™ Glass 5G

Up to 5-in-1 High Performance Windshield Mount Antenna

ULTRAMAX Glass 5G is designed to provide high performance LTE and 5G connectivity for Fleet and Public Safety vehicles and assets. This antenna can be mounted on either the windshield or the dashboard and connects to virtually any vehicular router or modem.

FEATURES

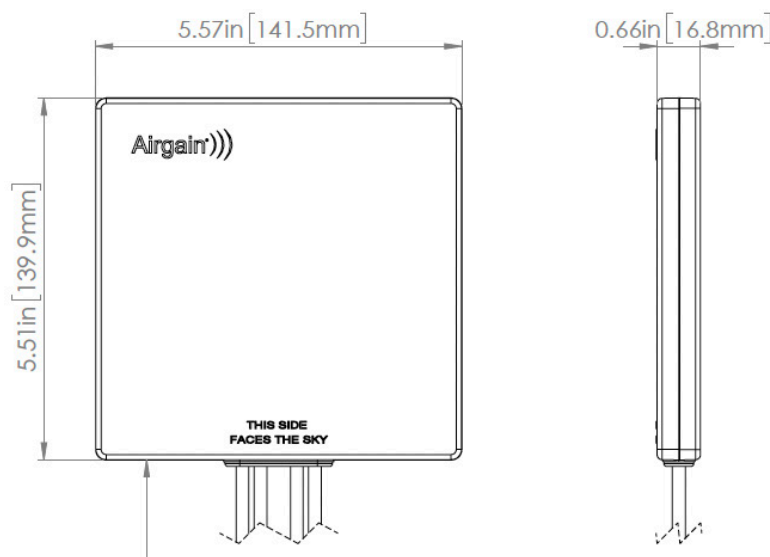
- Powerful MIMO technology
- Up to 4 x LTE/5G (600 MHz - 6 GHz) elements
- Up to 4 x Wi-Fi 6/6E/7 (2.4 & 5-7.1 GHz) elements
- Optional GNSS element
- Available in black

ADVANTAGES

- High efficiency provides better performance
- Omni-directional radiation pattern provides uniform coverage
- Hidden inside the vehicle
- Avoid drilling any holes
- 5 year limited warranty included¹

¹See terms and conditions at <https://airgain.com/antenna-plus-support/>

DIMENSIONS



COMMON PART NUMBERS (inquire to Airgain for other configurations)

CONFIGURATION	CELLULAR ELEMENTS	Wi-Fi ELEMENTS	GNSS	PART NUMBER	DESCRIPTION
5-in-1	4	0	Yes	AP-GL5G-C4G-BL-10	MIMO LTE/5G (600 MHz-6 GHz) x 4 & GNSS, Adhesive Mount, SMA on Cell & GNSS, Black, 10ft LMR195 coax
5-in-1	2	2	Yes	AP-GL5G-C2W2G-BL-10	MIMO LTE/5G (600 MHz-6 GHz) x 2, Wi-Fi x 2 & GNSS, Adhesive Mount, SMA on Cell & GNSS, RP-SMA on Wi-Fi, Black, 10ft LMR195 coax
5-in-1	0	4	Yes	AP-GL5G-W4G-BL-10	MIMO Wi-Fi x 4 & GNSS, Adhesive Mount, RP-SMA on Wi-Fi, SMA on GNSS, Black, 10ft LMR195 coax
4-in-1	4	0	No	AP-GL5G-C4-BL-10	MIMO LTE/5G (600 MHz-6 GHz) x 4, Adhesive Mount, SMA on Cell, Black, 10ft LMR195 coax
4-in-1	2	1	Yes	AP-GL5G-C2WG-BL-10	MIMO LTE/5G (600 MHz-6 GHz) x 2, Wi-Fi x 1 & GNSS, Adhesive Mount, SMA on Cell & GNSS, RP-SMA on Wi-Fi, Black, 10ft LMR195 coax

For mounting instructions please visit <https://www.airgain.com/installation-and-removal-guides/>.

TECHNICAL SPECIFICATIONS

Performance results are measured in a test chamber with 1' LMR-195 cables,
results are more reliable than data from software simulations

ELECTRICAL

Frequency Range	Cell Elements 1 up to 4	617-960/1700-2700/3300-4200/5150-5850 MHz
	Wi-Fi Elements 1 up to 4	2.4/5.15-7.125 GHz
	Element 5 (optional)	1550~1610 MHz
Operational Bands	Cell Elements 1 up to 4	5G (Band 71, LTE, CBRS, LAA)
	Wi-Fi Elements 1 up to 4	Wi-Fi 6E
	Element 5 (optional)	GPS L1/GALILEO E1/GLONASS G1/BeiDou B1/QZSS L1
Peak Gain: Isotropic	Cell Elements 1 up to 4	617-960 MHz: 4.1 dBi
		1700-2700 MHz: 7.2 dBi
		3300-4200 MHz: 6.2 dBi
		5150-5850 MHz: 5.0 dBi
	Wi-Fi Elements 1 up to 4	2.4 GHz: 4.4 dBi
		5-7 GHz: 5.6 dBi
Element 5 (optional)	35.8 dBi	
Isolation	Cell Elements 1 up to 4	617-960 MHz: >8.0 dB
		1700-2700 MHz: >14.6 dB
		3300-4200 MHz: >19.0 dB
		5150-5850 MHz: >25.8 dB
	Wi-Fi Elements 1 up to 4	2.4 GHz: >21.6 dB
		5-7 GHz: >25.3 dB

Average Efficiency	Cell Elements 1 up to 4	617-960 MHz: 58%
		1700-2700 MHz: >68%
		3300-4200 MHz: >66%
		5150-5850 MHz: >57%
	Wi-Fi Elements 1 up to 4	2.4 GHz: >60%
		5-7 GHz: >60%
Correlation Co-efficient	Cell Elements 1 up to 4	617-960 MHz: <0.18
		1700-5850 MHz: <0.03

ENVIRONMENTAL

Hazardous Substances	RoHS Compliant
Temperature	-40°C to 85°C (-40°F to + 185°F) Operating and Storage
Humidity (Non-Condensing)	60°C and 95% RH Operating and Storage
Vibration	Conformance to MIL-STD 810G

MOUNTING

Dimensions	Height	5.5" (140mm)
	Width	5.6" (142mm)
	Thickness	0.66" (16.8mm)
Color	Black (BL)	
Adhesive Pad	3M 5962VHB double sided adhesive tape for mounting on top or bottom surface of antenna	

CABLE

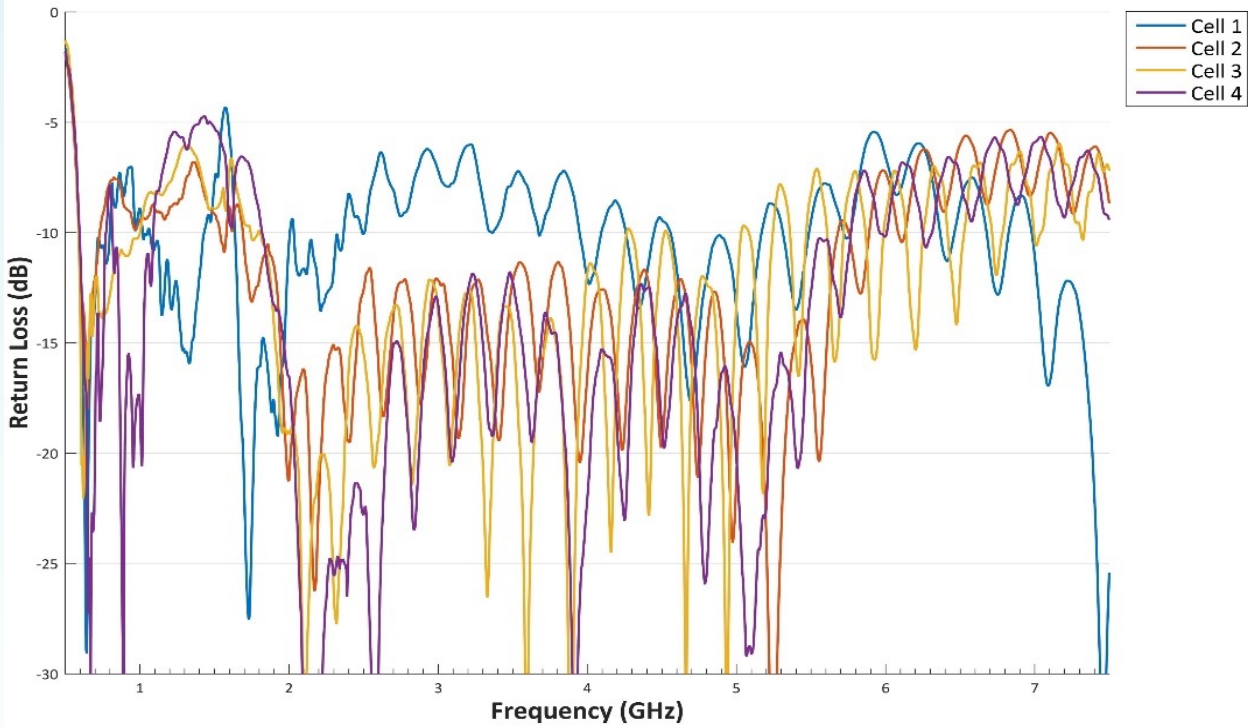
Cell	Type	LMR-195 Low Loss
	Diameter	0.195" (4.95mm)
	Length	10 ft (3.0m)
	Termination	SMA Male
Wi-Fi	Type	LMR-195 Low Loss
	Diameter	0.195" (4.95mm)
	Length	10 ft (3.0m)
	Termination	RP-SMA Male
GNSS	Type	RG-174U
	Diameter	0.100" (2.54mm)
	Length	10 ft (3.0m)
	Termination	SMA Male

GNSS

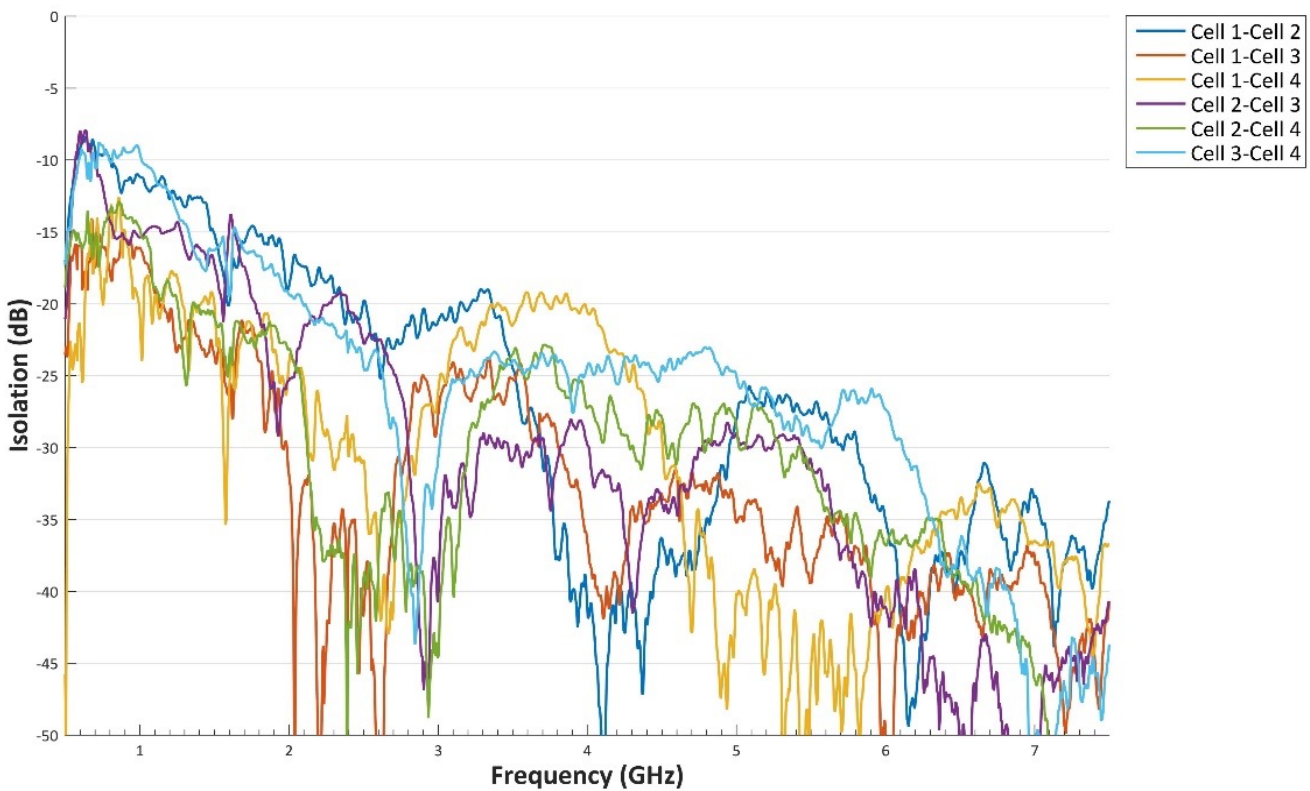
Ceramic Patch Antenna Specification	Bandwidth	1558-1610 MHz
	Gain@Zenith	0 dBi
	Polarization	R.H.C.P.
	Axial Ratio	3.0 dB Typ.
LNA Specification	Noise Figure	1.2 dB
	Gain	35 dBi
	VSWR	<2:1
	Voltage	1.6V~10V
	Current	9+/-2mA@3.3V

Guidance for interpreting the data sheet is available on our website: <https://www.airgain.com/resources/datasheet-term-guide/>

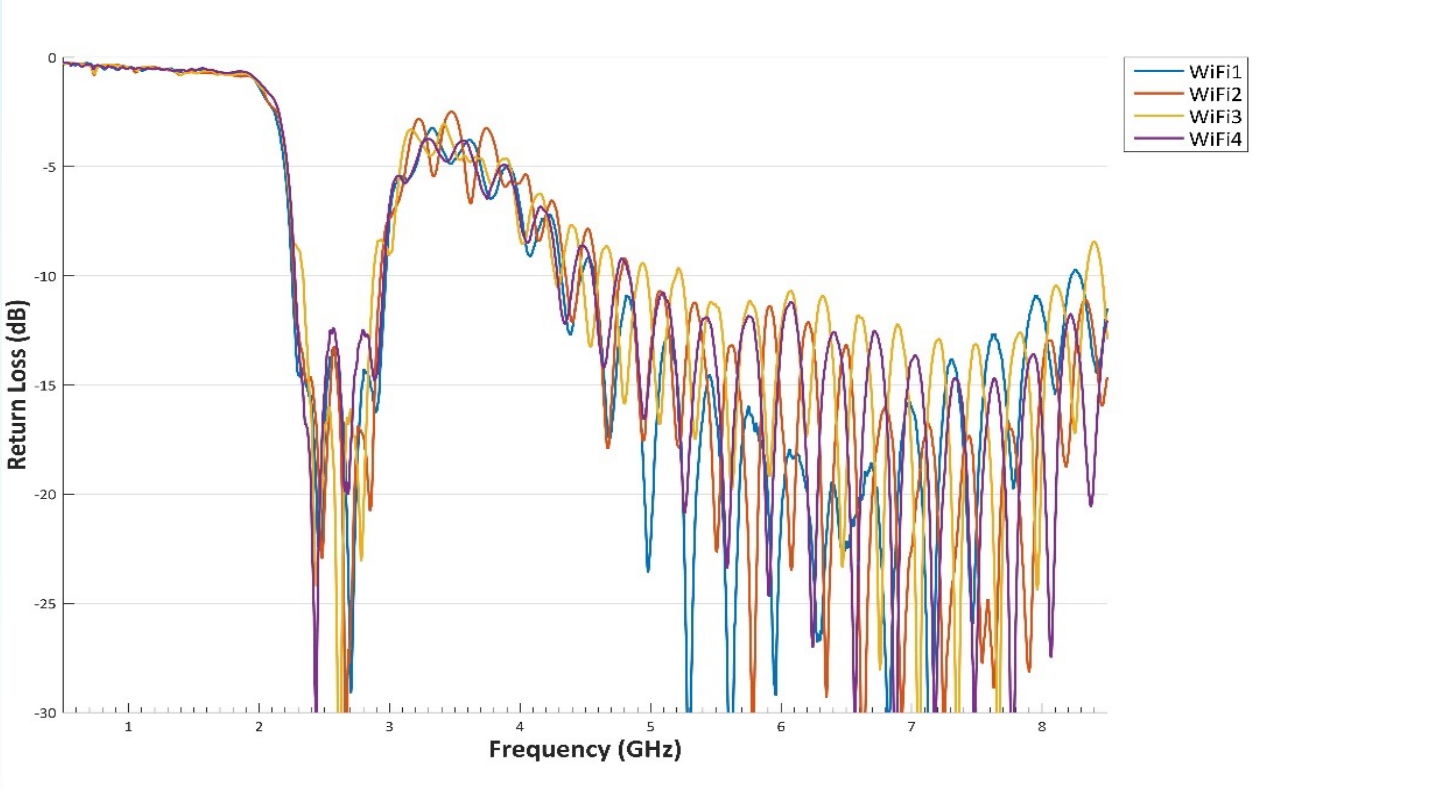
Return Loss for Cellular Antennas



Isolation Between Cellular Antennas



Return Loss for Wi-Fi Antennas



Isolation Between Wi-Fi Antennas

