

MG Cellular Patch Antenna Datasheet

The Cellular Patch Antenna (MA-ANT-C1-B) is ideal for situations that require higher directional gain towards a cellular tower. When mounted high up on a pole for a clearer line of site toward a cellular tower, the MG cellular gateway will have higher signal quality and power.

Specifications

Category	Specifications
Electrical	<p>Antenna Type: Narrow Patch</p> <p>Frequency Range:</p> <ul style="list-style-type: none"> • 700 (698 - 791) MHz • 960 (824 - 960) MHz • 2170 (1710 - 2170) MHz • 2690 (2570 - 2690) MHz <p>Peak Gain (per range):</p> <ul style="list-style-type: none"> • 700 @ 4dBi • 960 @ 4dBi • 2170 @ 8dBi • 2690 @ 7dBi <p>Polarization: Linear, Horizontally (left) and Vertically (right)</p> <p>Beamwidth (horizontal): 60°</p> <p>Beamwidth (vertical): 60°</p>
Cables	<p>Length: 100cm</p>
Mounting	<p>Mounts to walls and poles</p>
Physical and Environmental	<p>Dimensions: 220mm x 220mm x 46mm</p> <p>Weight: 550g</p> <p>Material: PC-ABS</p> <p>Temperature: -40°C to +85°C (-40°F to 185°F)</p> <p>Humidity: 95% at 55°C (131°F)</p>

	Connector: RP-SMA
Warranty	1 year hardware warranty included
Ordering Information	MA-ANT-C1-B (works with MG21E only)
Regulatory	Certified for use with the MG21E: MA-ANT-C1-B

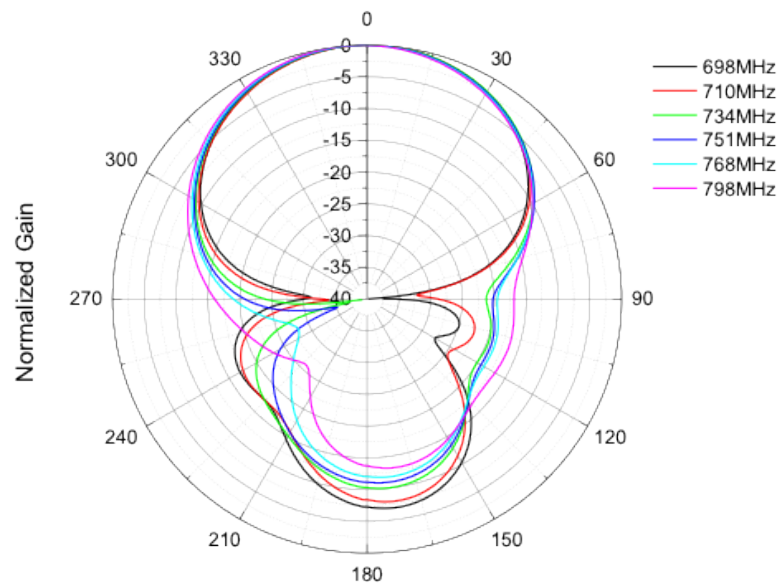


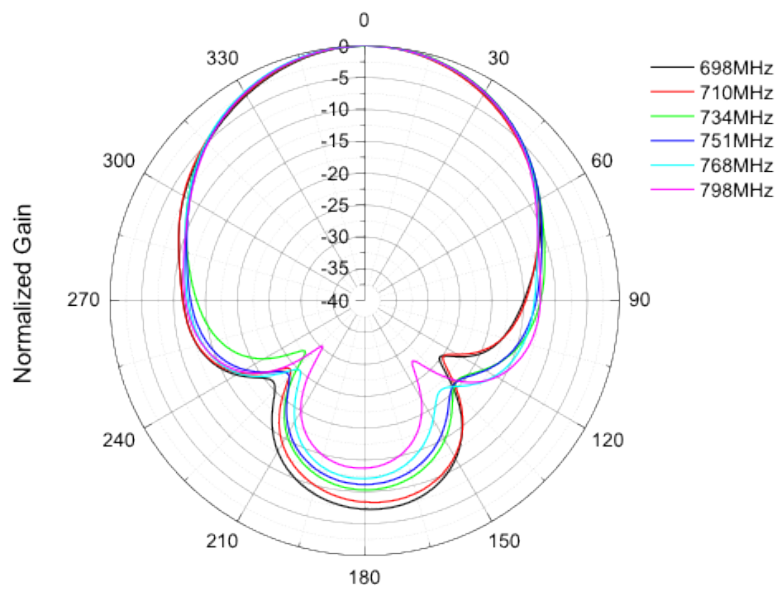
The mounting hardware bracket is included with the patch antenna. No other accessories are required to mount.

Radiation Patterns

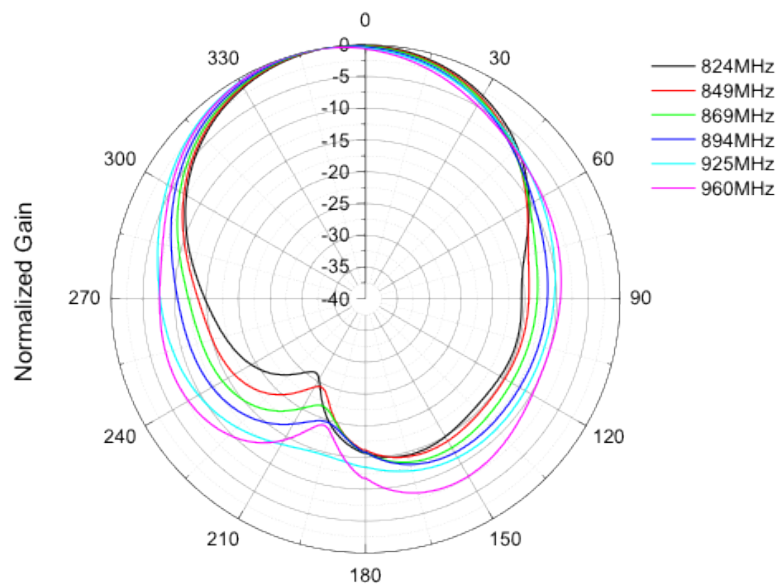
H-Port (Left, port 2): H-plane & V-plane

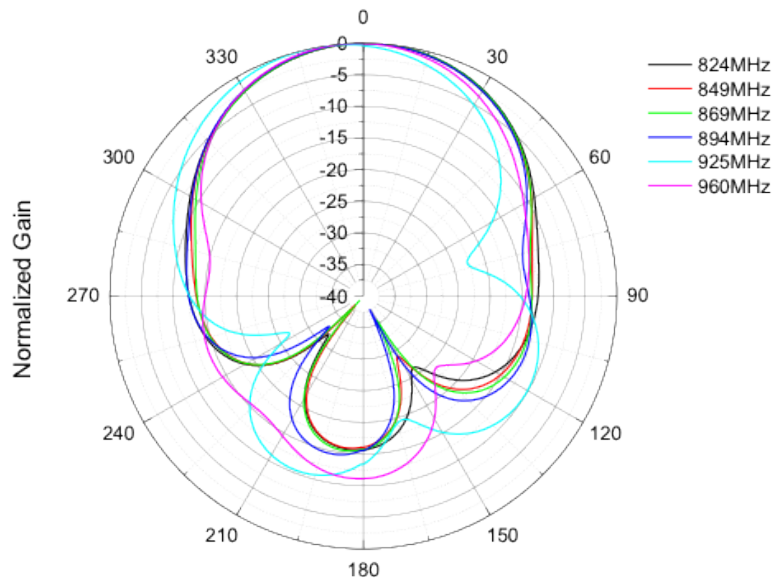
700 (698 - 791) MHz



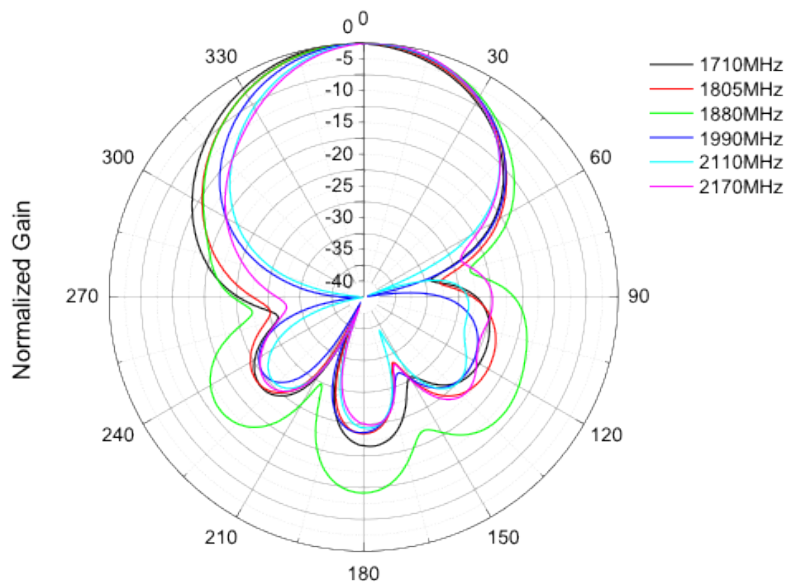


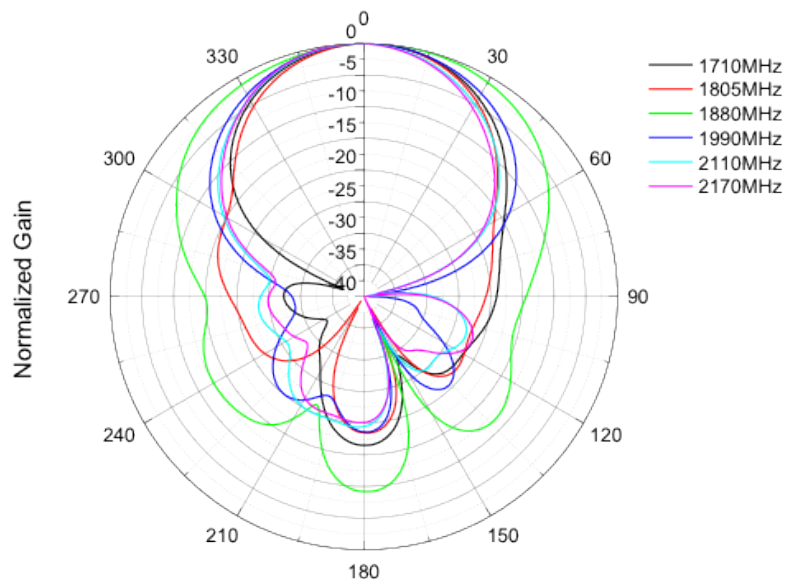
960 (824 - 960) MHz



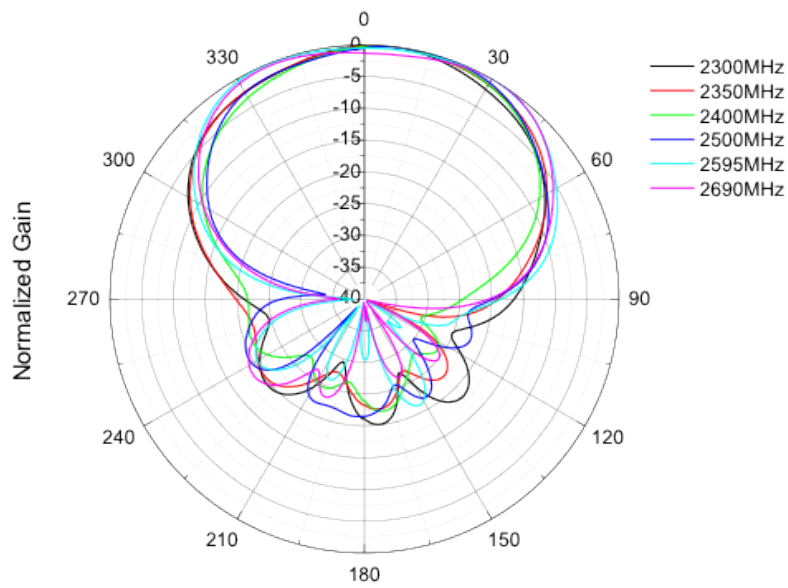


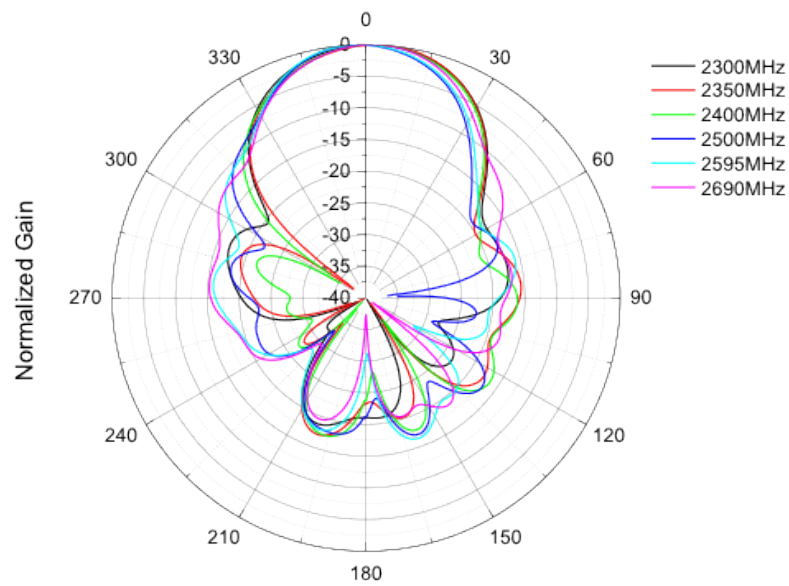
2170 (1710 - 2170) MHz





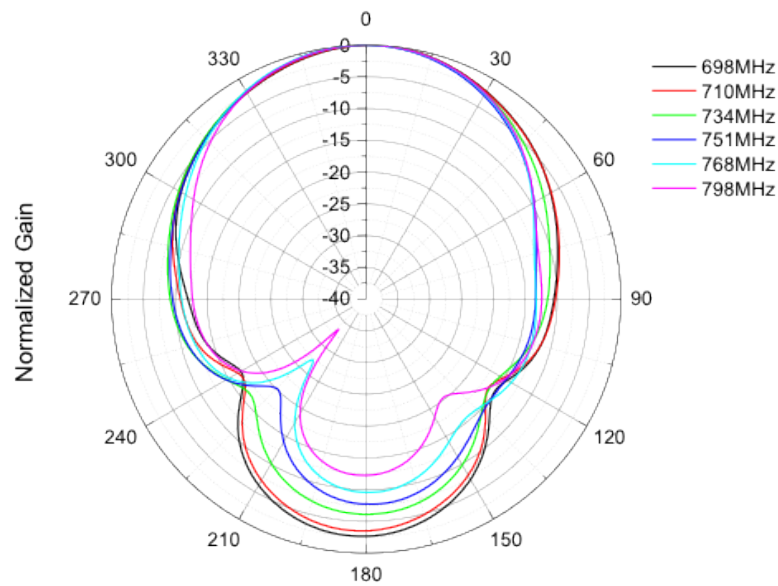
2690 (2570 - 2690) MHz

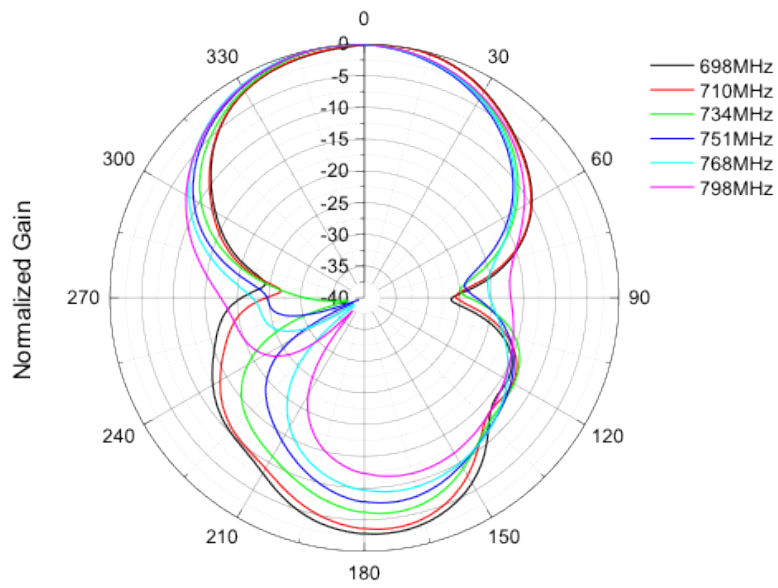




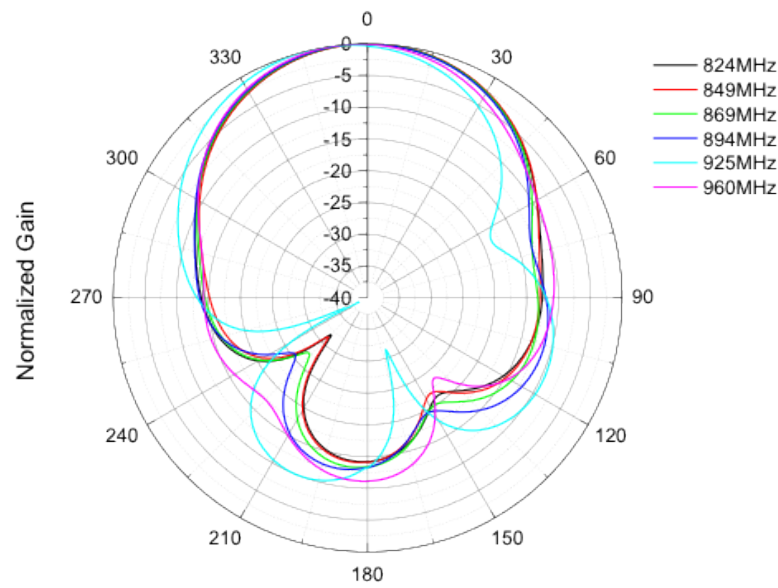
V-Port (Right, port 1): H-plane & V-plane

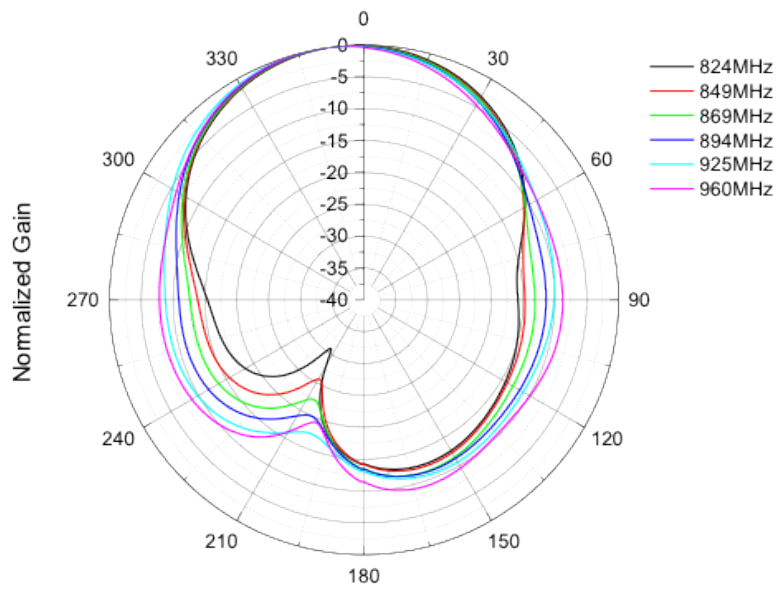
700 (698 - 791) MHz



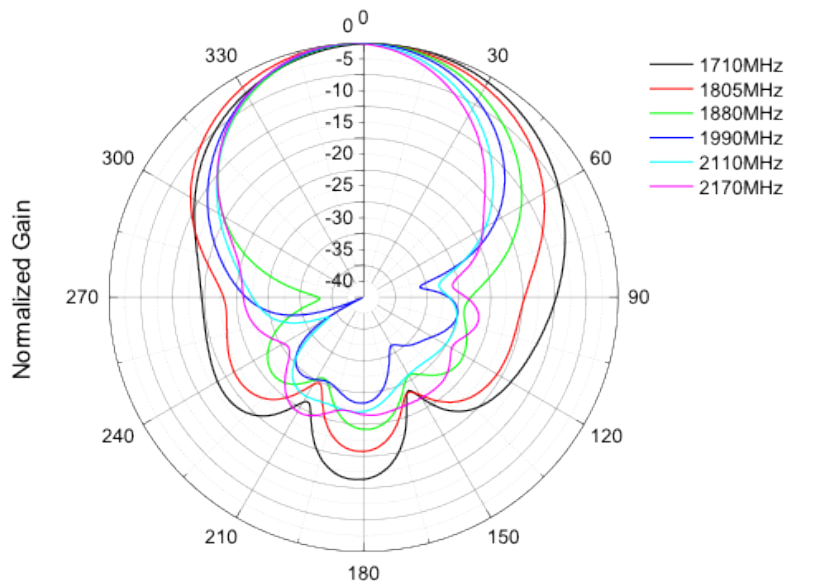


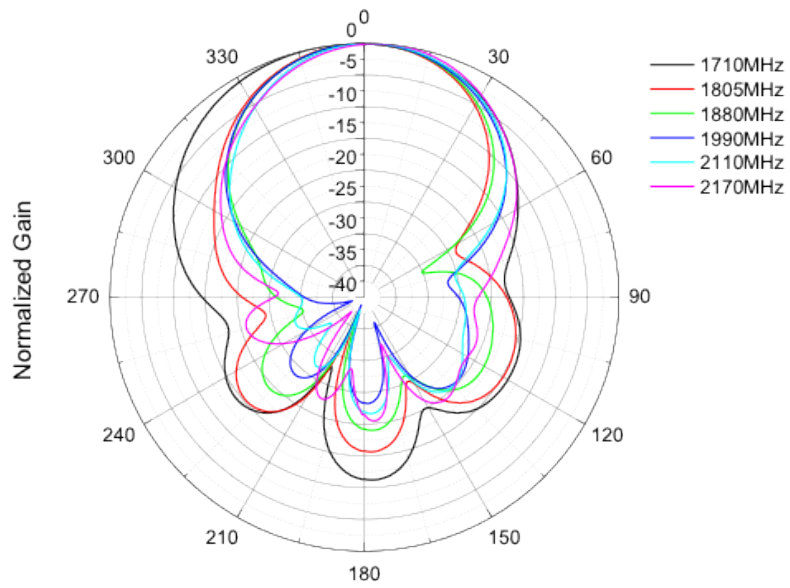
960 (824 - 960) MHz





2170 (1710 - 2170) MHz





2690 (2570 - 2690) MHz

