

Outdoor/In-Building Directional MIMO Antenna [698-960MHz, 1695-2700 MHz]

PEAR™ M5277i

Description:

- Dual polarized MIMO antenna for 698-960 MHz and 1695-2700 MHz.
- Directional MIMO antenna for outdoor and in-building applications such as DAS.



Bottom Mounted Rear Mounted
698-960MHz & 1695-2700 MHz Directional Antenna

Electrical Specifications

Frequency Band [MHz]	698-960	1695-2700
Input Connector Type	2x N-Type (F) or 2x 4.3-10 (F) with cable (12", 30cm length)	
VSWR/Return Loss	<2.0:1 / 9.5 dB	<1.8:1 / 10.9 dB
Isolation	25 dB	
Impedance	50 Ω	
Polarization	Vertical / Horizontal	Dual slant 45° (±45°)
Horizontal Beamwidth	~90°	~65°
Vertical Beamwidth	~110°	~65°
Max. Gain	5.9 dBi	9.5 dBi
Avg. Gain	4.7 dBi	8.2 dBi
Input Power	50 Watts at ambient temperature 77°F (25°C)	
PIM @ 2x43 dBm	<-153 dBc (for 4.3-10) / <-150 dBc (for N-Type)	

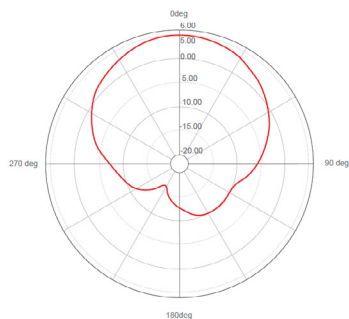
Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	2.1 lbs (950g)
Radome Dimensions (H x W x D)	10.2" x 8.0" x 2.5" (259 x 203 x 65mm)
Cable	Plenum Rated
Radome Material	PC / ABS
Flamibility rating	UL 94-V0
RoHS	Compliant
Radome Color	RAL 9016 (white)**
Outdoor Ingress Protection	IP65*
Approved for use in Plenum Space	Listed & Tested by Intertek / ETL
Shipping Dimensions - H x W x D (Bottom Connector Version)	15.7" x 10.6" x 5.3" / 400 x 270 x 135mm
Shipping Weight (Bottom Connector Version)	3.7 lbs (1.7 Kg)

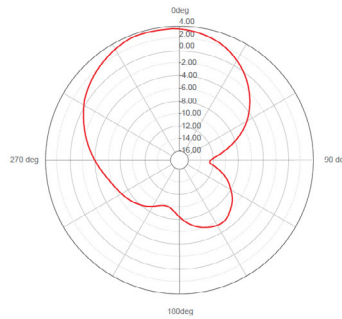
* IP65 rating only for antenna versions with bottom mounted connector

**Radome can be painted with recommended paint "Krylon fusion for plastic"

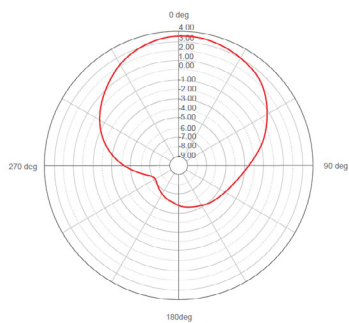
Antenna Patterns:



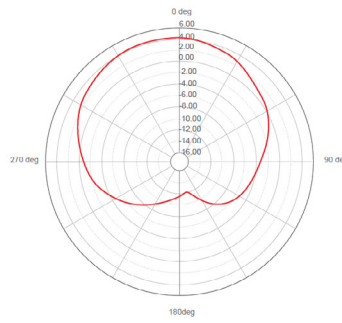
710 MHz



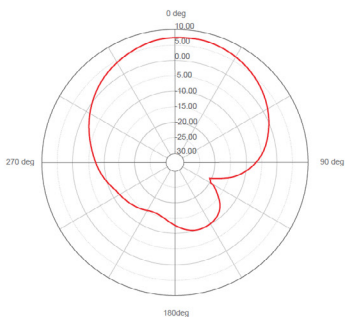
960 MHz



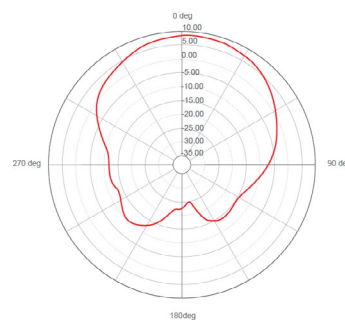
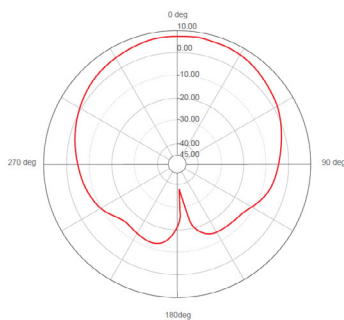
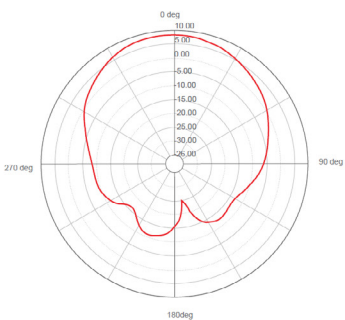
1710 MHz

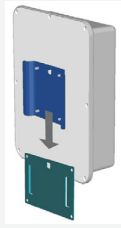
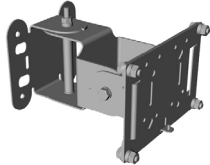


1910 MHz



2500 MHz



Part Numbers, Ordering Options and Accessories			
Description:	Connector Position:	Environmental:	Part Number:
Antenna with 2x N-Type (F) Connectors	Bottom	Indoor/Outdoor	02121261-05277
Antenna with 2x 4.3-10 (F) Connectors	Bottom	Indoor/Outdoor	02130261-05277
Antenna with 2x N-Type (F) Connectors	Rear	Indoor	02121261-06036-3
Antenna with 2x 4.3-10 DIN (F) Connectors	Rear	Indoor	02130261-06036-3
Mounting Bracket(s):	Part Number:		
This antenna can be mounted using any of the following mounting brackets. Optional mounting brackets need to be ordered as a separate line item. See Ordering Options for details.			
<p>Mounting Plate Installation (Standard)</p> <p>After affixing the mounting plate to the wall, then mount the antenna on to the mounting plate by sliding it into the slots and securing it with the provided fasteners.</p> <p>Included with antenna</p>			
<p>Swivel Mounting Bracket (Optional)</p> <p>Galtronics swivel mounting bracket offers an easy installation solution to mount Galtronics' PEAR panel antennas to either a pole or a wall. The mounting bracket allows a tilt of up to +/-45 deg in the horizontal as well as in the vertical plane.</p>			P/N: 62-29-03

Matting Male Connector Torque:

N-Type: 26.6 in-lb (3 Nm)

4.3-10: 44.3 in-lb (5 Nm)

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