

## Outdoor/In-Building Directional Antenna [380-470/698-960/1695-2700 MHz]

# PEAR™ S5591i

### Description:

- Directional wall mount antenna for outdoor and in-building applications such as DAS
- The antenna is vertically polarized and operates at 380-2700 MHz covering also the public



380-470, 698-960 and 1695-2700 MHz Directional Panel Antenna

### Electrical Specifications

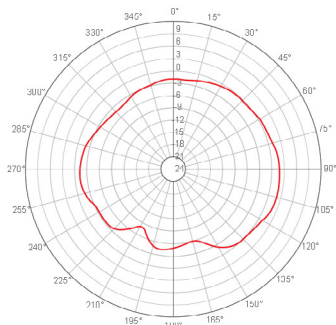
Frequency Band [MHz]	380-470	698-790	790-960	1695-2180	2180-2700
<b>Input Connector Type</b>	1x N-Type (F) or 1x 4.3-10 DIN (F) with cable (12", 30 cm)				
<b>VSWR/Return Loss</b>	< 3.7:1/4.8dB	< 2.5:1/7.3dB		< 1.8:1/10.9dB	
<b>Impedance</b>	50 Ω				
<b>Polarization</b>	Vertical				
<b>Vertical Beamwidth</b>	>120°	80°	110°	70°	70°
<b>Horizontal Beamwidth</b>	>120°	100°	100°	75°	75°
<b>Gain</b>	0 - 1.5 dBi	1.5 - 2.5 dBi	2.0 - 3.5 dBi	5.0 - 7.0 dBi	4.0 - 7.0 dBi
<b>Max Power / Port</b>	50 Watts at ambient temperature 77°F (25°C)				
<b>PIM @ 2x43 dBm</b>	<-153 dBc for 4.3-10 DIN <-150 dBc for N-Type				

### Mechanical Specifications

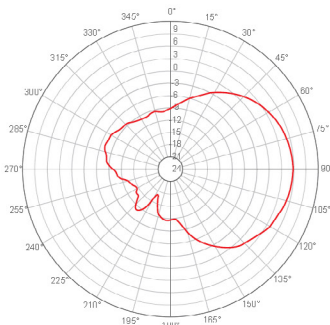
<b>Operating Temperature</b>	-67° to 158°F (-55° to +70°C)
<b>Environmental Conditions</b>	Outdoor/Indoor
<b>Antenna Weight</b>	13.22 lbs (600g)
<b>Antenna Dimensions (H x W x D)</b>	10.2" x 8.0" x 2.5" (256 x 200 x 65 mm)
<b>Radome Color</b>	RAL 9016 (white)*
<b>Outdoor Ingress Protection</b>	IP65
<b>Flamibility rating</b>	UL 94-V0
<b>RoHS</b>	Compliant
<b>Cable</b>	Plenum Rated

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

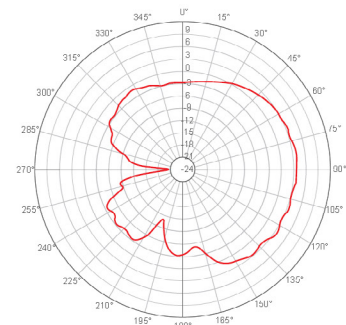
## Antenna Patterns



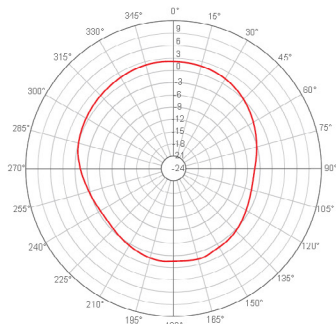
460 MHz



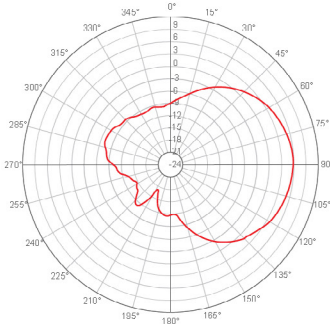
710 MHz



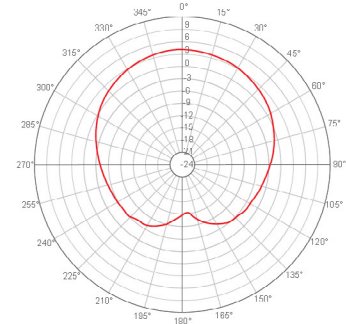
820 MHz



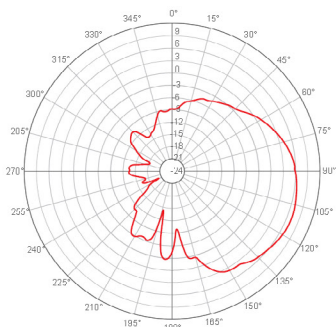
1730 MHz



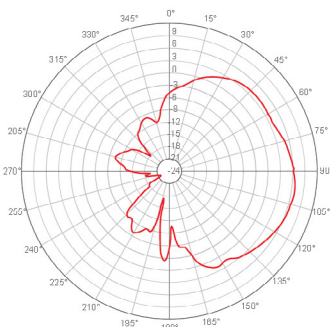
2070 MHz



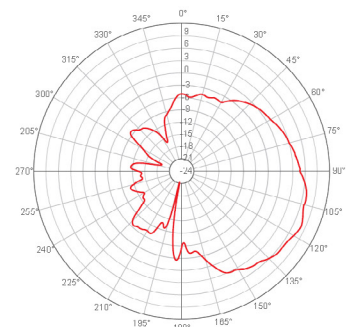
2500 MHz



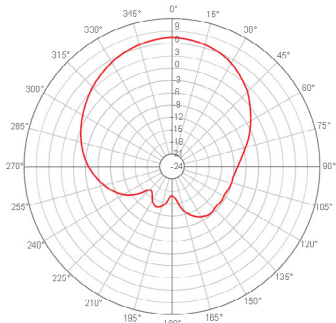
1730 MHz



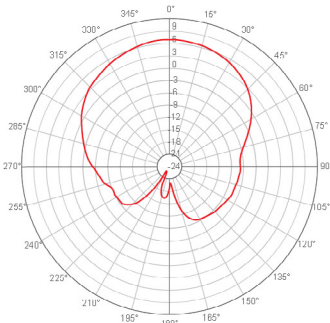
2070 MHz



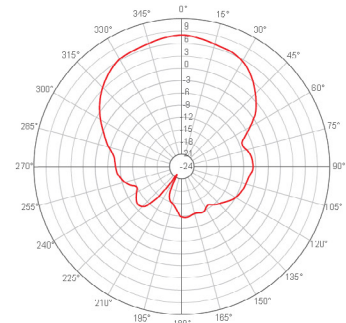
2500 MHz



1730 MHz

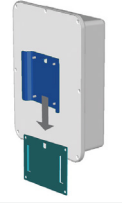
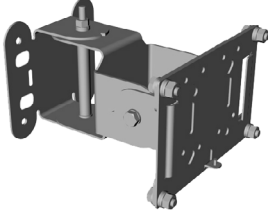


2070 MHz



2500 MHz

## Part Numbers, Ordering Options and Accessories

Description:	Part Number:
<b>Antenna with 1x N-Type (F) Connector</b>	02121312-05591
<b>Antenna with 1x 4.3-10 DIN (F) Connector</b>	02130312-05591
Mounting Options:	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 as below:	
<p><b>Mounting Plate Installation (Standard)</b></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><b>Included with antenna</b></p>	
<p><b>Swivel Mounting Bracket (Optional)</b></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 +/-45deg in the horizontal as well as in the vertical plane.</p>	 <p style="text-align: right;">62-29-03</p>

**Matting Male Connector Torque:**

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

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