

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

PEAR™ S5490i

Description:

- Directional wall mount antenna for outdoor and in-building applications such as DAS.
- The antenna is vertically polarized and operates at 698-2700 MHz covering also the public safety frequency band for TETRA.



698-960 MHz & 1695-2700 MHz Directional Antenna

Electrical Specifications

Frequency Band [MHz]	698-790	790-960	1695-1820	1820-2180	2180-2380	2380-2700
Input Connector Type	1x N-Type (F) or 1x 4.3-10 (F) with cable (12", 30 cm)					
VSWR/Return Loss	<1.7:1 / 11.8 dB	<1.7:1 / 11.8 dB	<1.5:1 / 14.0 dB			
Impedance	50 Ω					
Polarization	Vertical					
Vertical Beamwidth	75°	75°	70°	95°	70°	40°
Horizontal Beamwidth	100°	100°	82°	85°	75°	75°
Max. Gain	6.2 dBi	5.8 dBi	6.5 dBi	6.8 dBi	7.2 dBi	8.0 dBi
Avg. Gain	5.8 dBi	5.1 dBi	6.2 dBi	5.7 dBi	6.9 dBi	7.4 dBi
Max Power / Port	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

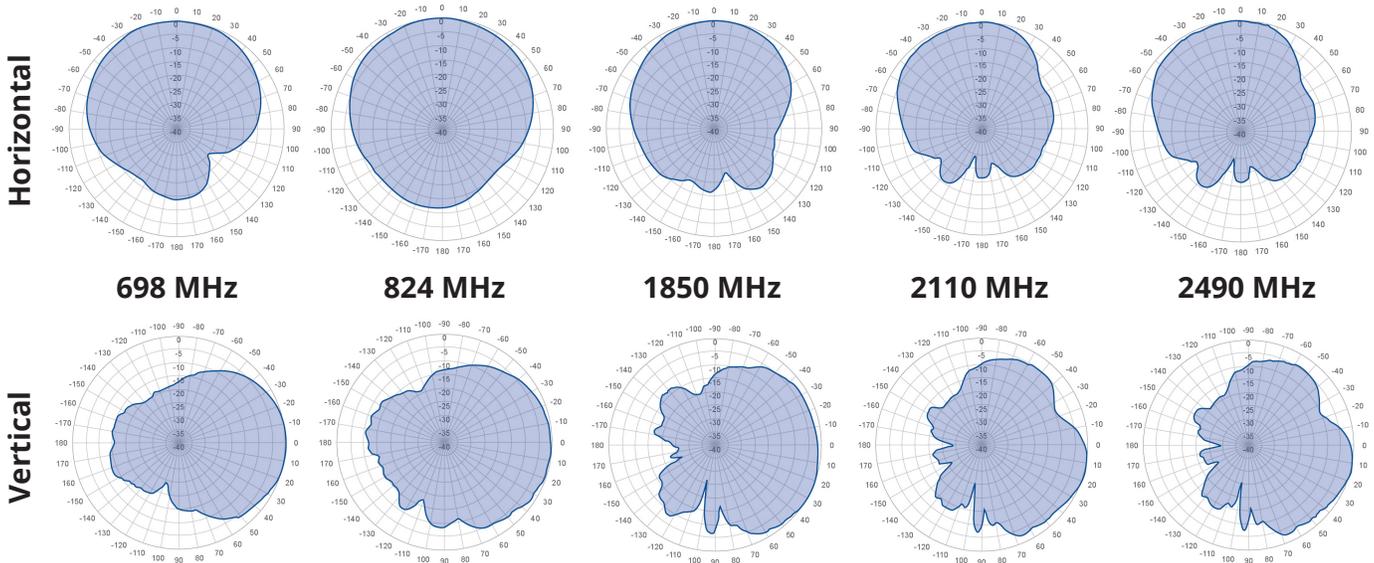
Operating Temperature	-40° to 158°F (-40° to +70°C)
Environmental Conditions	Outdoor / Indoor
Antenna Weight	1.32 lbs (600g)
Antenna Dimensions (H x W x D)	10.2" x 8.0" x 2.5" (259 x 203 x 65 mm)
Radome Color	RAL 9016 (white)*
Outdoor Ingress Protection	IP65
Flammability rating	UL 94-V0
RoHS	Compliant
Cable	Plenum Rated
Approved for use in Plenum Space	Listed & tested by Intertek ETL

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

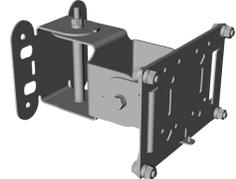
S5490i; Revision: 1.1; Release Date: June 14, 2019;

Additional Technical Information

Antenna Patterns



Part Numbers, Ordering Options and Accessories

Description:	Part Number:
Antenna with 1x N-Type (F) Connectors	02121261-05490
Antenna with 1x 4.3-10 DIN (F) Connectors	02130261-05490
Mounting Options:	Part Number:
<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 +/-45deg in the horizontal as well as in the vertical plane.</p>	
	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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