

PEAR™ S5490i

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



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.

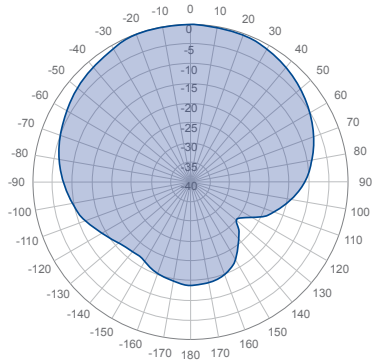


Electrical Specifications						
Frequency Band [MHz]	698-790	790-960	1695-1820	1820-2180	2180-2380	2380-2700
Input Connector Type	N-Type or 4.3-10 DIN or 4.1-9.5 DIN Connector (F) with cable (12"/30cm length)					
Polarization	Vertical					
Impedance	50 Ω					
VSWR / Return Loss	<1.7:1/11.8 dB	<1.7:1/11.8 dB	<1.5:1/14.0 dB	<1.5:1/14.0 dB	<1.5:1/14.0 dB	<1.5:1/14.0 dB
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
Vertical Beamwidth (±10°)	75°	75°	70°	95°	70°	40°
Horizontal Beamwidth (±10°)	100°	100°	82°	85°	75°	75°
PIM @ 2x43 dBm	<-153 dBc for 4.3-10 DIN - <-150 dBc for N-Type or 4.1-9.5 DIN					
Input Power	50 W at ambient temperature of 77° F (25° C)					

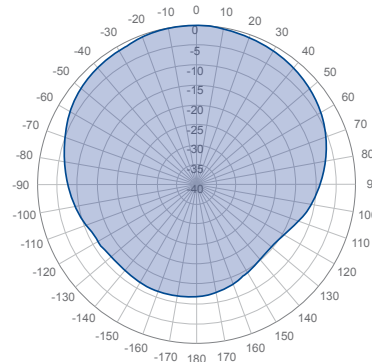
Mechanical Specifications	
Operating Temperature	-40° to 158 °F (-40° to +70°C)
Environmental Conditions	Outdoor / Indoor
Antenna Weight	1.32 lbs (600g)
Antenna Dimensions (H x W x D)	10.2" x 8.0" x 2.5" (259 x 203 x 65 mm)
Flammability rating	UL 94-V0
RoHS	Compliant
Radome Color	RAL 9016 (white)*
Outdoor Ingress Protection	IP65
Cable	Plenum Rated
Approved for use in Plenum Space	Listed & tested by Intertek ETL
Shipping Dimensions	5.4" x 4.8" x 5.0" / 137 x 122 x 127 mm
Shipping Weight (Gross Weight)	5.51 lbs (2.5 Kg)

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

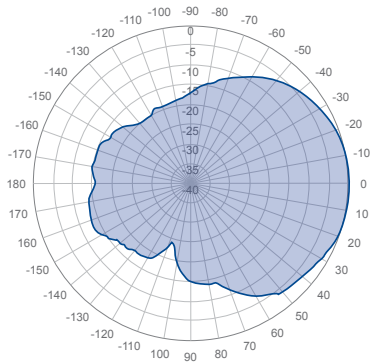
Release Date: 15. Dec. 2015; Revision: G; Patent Pending



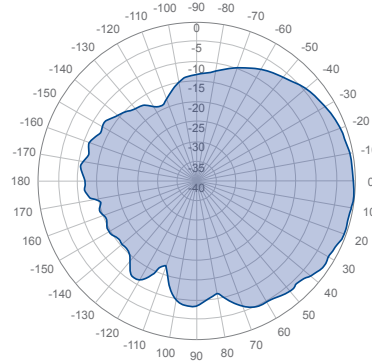
698 MHz



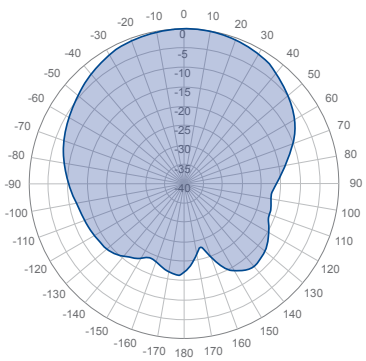
824 MHz



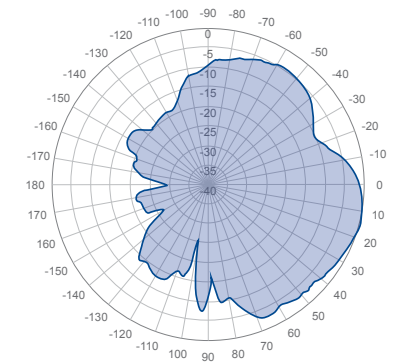
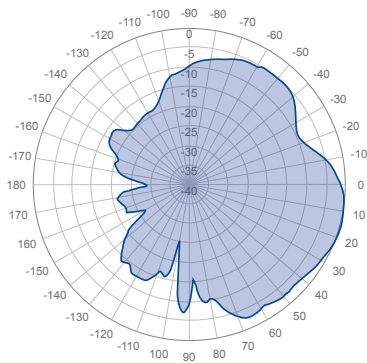
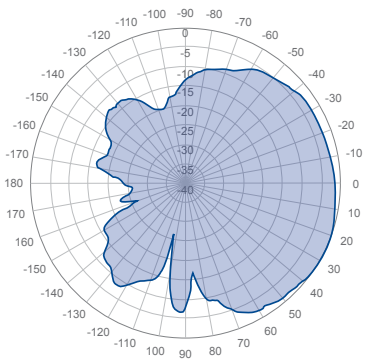
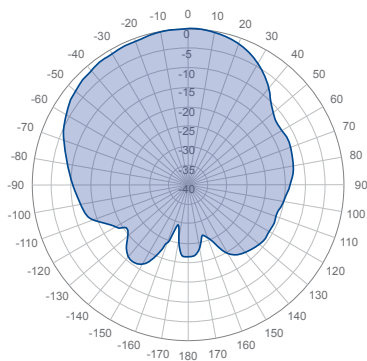
1850 MHz



2110 MHz



2490 MHz



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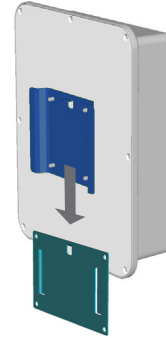
Mounting Options

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 (see page 1).

Mounting Plate Installation (Standard)

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.

Included with antenna

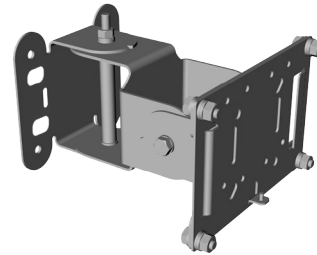


Optional Swivel Mounting Bracket

Video Clip

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/N: 62-29-03



Ordering & Antenna Options

Part Number	Connector	Description	Environmental
02121261-05490	N-Type (F)	PEAR™ S5490i	Indoor / Outdoor
02125261-05490	4.1-9.5 DIN (F)	PEAR™ S5490i	Indoor / Outdoor
02130261-05490	4.3-10 DIN (F)	PEAR™ S5490i	Indoor / Outdoor
62-29-03	2-Axis Swivel Mounting Bracket		

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