



# PEAR™ S5490i

## Outdoor/In-Building Directional Antenna

[698-960 MHz and 1710-2700 MHz]

### DESCRIPTION:

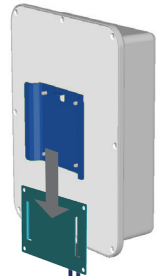
Directional wall mount antenna for outdoor and in-building applications such as DAS. The antenna operates in the 698-960 MHz and 1710-2700 MHz frequency band.

Electrical Specifications						
Frequency Band [MHz]	698-790	790-960	1710-1820	1820-2180	2180-2380	2380-2700
Polarization	Vertical					
Input Connector Type	N-Type or 4.1/9.5MiniDIN Connector (Female) with Cable (12"/30cm length)					
Impedance	50 Ω					
VSWR	< 1.7:1			< 1.5:1		
Gain	6 dBi	5 dBi	6 dBi	6 dBi	7 dBi	7.5 dBi
Vertical Beamwidth (±10°)	75°	75°	70°	95°	70°	40°
Horizontal Beamwidth (±10°)	100°	100°	82°	85°	75°	75°
Peak PIM @ 2x 43 dBm (2x20W)	< -150 dBc					
Input Power	50 W at ambient temperature of 122° F (50° C)					

Mechanical Specifications	
Operating Temperature	-40° to 158 °F (-40° to +70°C)
Environmental Conditions	Outdoor or Indoor
Antenna Weight	1.3 lbs (600g)
Radome Dimensions (H x W x D)	10.2" x 8.0" x 2.5" (259 x 203 x 65mm)
Flammability rating	UL 94-V0
Outdoor Ingress Protection	IP65
RoHS	compliant
Cable	Plenum Rated
Radome Color	White*
Approved for use in plenum space	Listed & tested by Intertek / ETL

### MOUNTING INFORMATION:

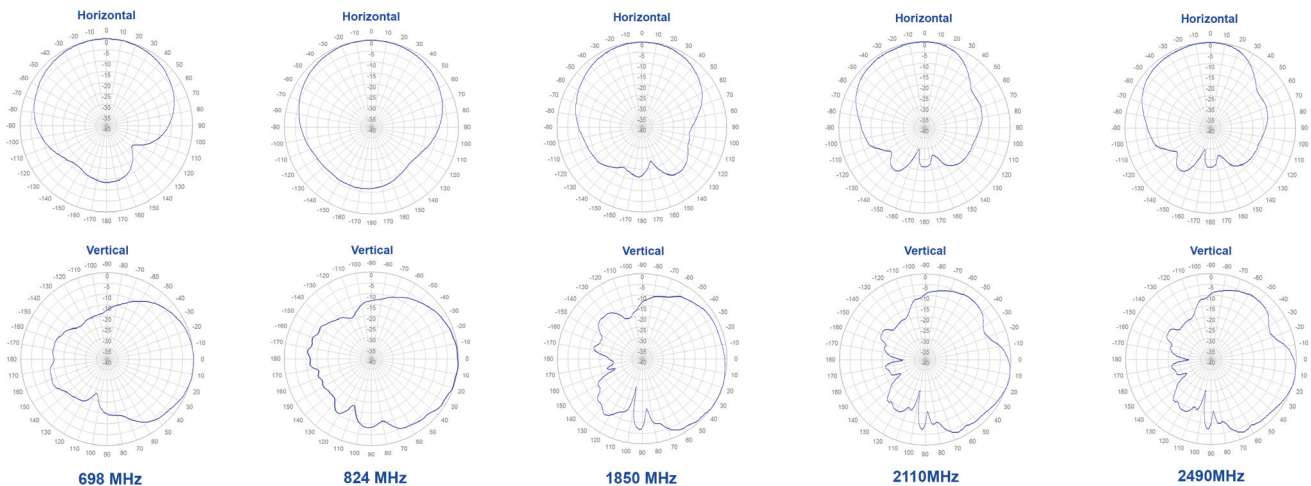
After affixing the mounting plate to the wall, then mount the Antenna onto the mounting plate by sliding it into the slots and securing it with the provided fasteners



### MOUNTING & ANTENNA OPTIONS

Part Number	Connector	Description
02121261-05490	N-Type (F)	PEAR S5490i Antenna
02125261-05490	4.1/9.5 miniDIN (F)	PEAR S5490i Antenna
62-29-03		<a href="#">Swivel Mounting Bracket</a>

\* Radome can be painted with recommended paint "Krylon Fusion for Plastic".



Release Date: 21. January 2015; Rev E; Patent Pending