



# 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	1x 4.1/9.5 miniDIN (F) or N-Type (Female) with pigtail cable (12"/30cm length)					
Impedance	50 Ω					
VSWR	< 1.7:1			< 1.5:1		
Gain	6 dBi		6 dBi	6 dBi	7 dBi	7.5 dBi
Vertical Beamwidth (±10°)	75°	75°	70°	95°	70°	40°
Horizontal Beamwidth (±10°)	95°	95°	80°	80°	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
Antenna Cable	Plenum Rated
Radome Color	White*

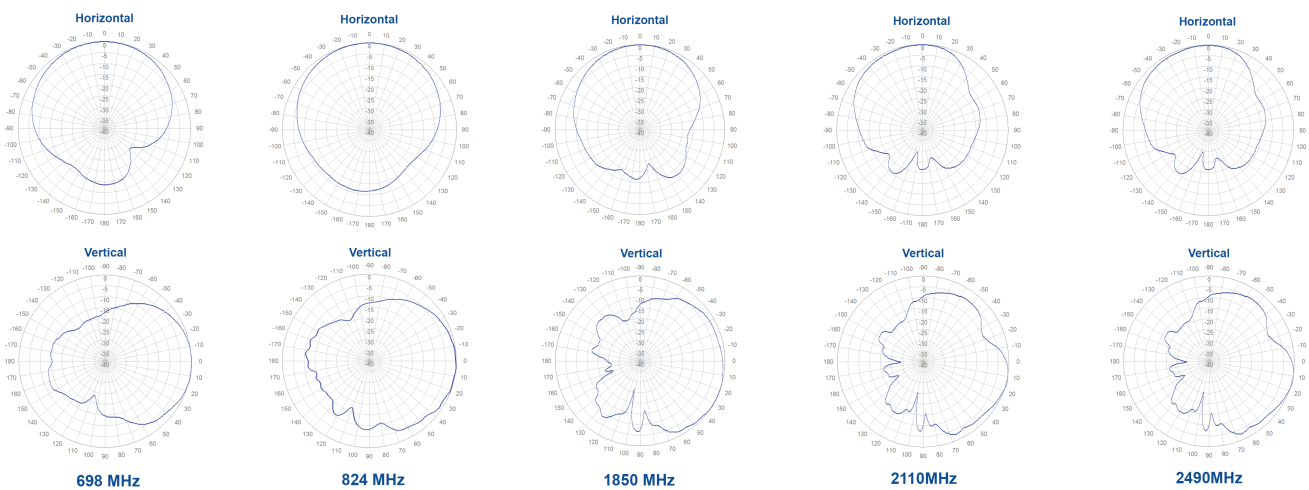
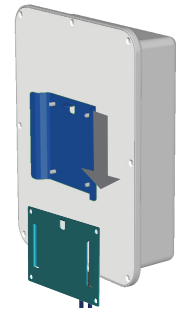
\* Radome can be painted with recommended paint "Krylon Fusion for Plastic".

### ANTENNA OPTIONS

- 02121261-05490 PEAR S5490i - N-Type (F)
- 02125261-05490 PEAR S5490i - 4.1/9.5 miniDIN (F)

### 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



Release Date: 2. April 2014; Rev.C; Patent Pending