

## Broadband In-Building SISO Antenna [617-6000MHz]

# PEAR™ S4935i w/ Pigtail

### Description:

- Broadband ceiling mount omni antenna covering 617-6000MHz.
- SISO IDAS and Small Cell applications requiring ceiling mounted omni antennas.



617-6000MHz Omni SISO Antenna

### Electrical Specifications

Freq. Band [MHz]	617-698	698-790	790-960	1695-1990	1990-2180	2305-2700	2700-3200	3200-5100	5100-6000
<b>Input Connector</b>	1x N-Type(F) or 4.3-10(F) w/ pigtail (17", 43cm)								
<b>VSWR /RL (dB)</b>	2.2:1 / 8.5	1.5:1 / 14.0						2.0:1/ 9.5	2.2:1 / 8.5
<b>Impedance (Ω)</b>	50								
<b>Polarization</b>	Vertical								
<b>Horizontal BW</b>	Omni (360°)								
<b>Gain, max. (dBi)</b>	2.0	2.3	3.0	6.3	7.1	6.7	6.9	7.1	7.3
<b>Gain, avg. (dBi)</b>	1.2	1.9	2.4	5.3	6.7	6.1	6.5	5.8	6.6
<b>Max Power / Port(Watt)</b>	50								
<b>PIM @ 2x43 dBm (dBc)</b>	<-153								

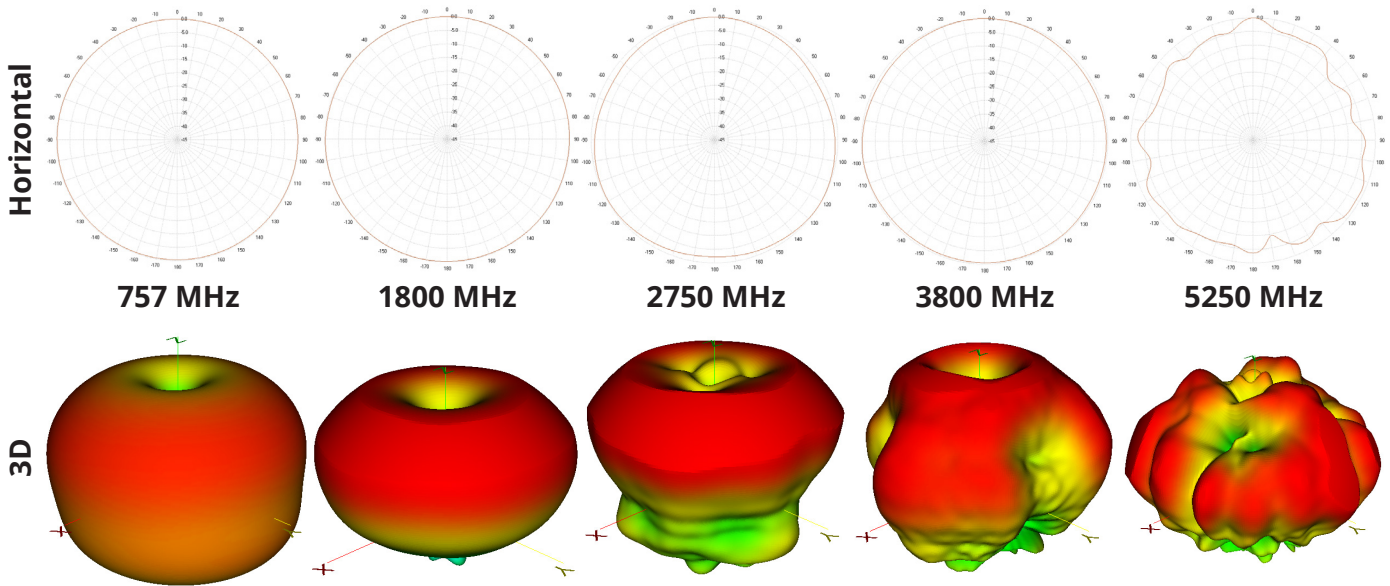
### Mechanical Specifications

<b>Operating Temperature</b>	-40° to 158°F (-40° to +70°C)
<b>Antenna Weight</b>	1.65 lbs (750 g)
<b>Antenna Diameter</b>	13.2" (335 mm)
<b>Antenna Height</b>	4.9" (124 mm)
<b>Radome Material</b>	PC / ABS
<b>Flammability rating</b>	UL 94-V0
<b>Approved for Use in Plenum Spaces</b>	Listed & Tested by Intertek / ETL
<b>RoHS</b>	Compliant
<b>Radome Color</b>	RAL 9016 (white)*
<b>Environment Rating</b>	Indoor




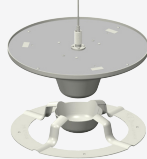
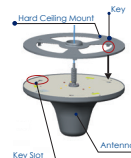
\* Radome can be painted with recommended paint "Krylon fusion for plastic"

RFD#: 4935 ; Revision: R4 ; Release Date: August 14, 2023;

## Additional Technical Information



## Part Numbers, Ordering Options and Accessories

Description:	Part Number:
<b>Antenna with 1x N-Type DIN (F) Connectors</b>	02121269-04935U
<b>Antenna with 1x 4.3-10 DIN (F) Connectors</b>	02130269-04935U
Mounting Bracket(s):	Part Number:
<p><b>Below Ceiling Installation (Standard)</b></p> <p>Drill a hole with a 1.18" (30mm) diameter thru the ceiling tile and secure the antenna with the supplied plastic nut.</p> <p><b>Optional Installation:</b> The antenna can be installed using the supplied M4 threaded rod (x3) and M4 nuts.</p>	 <p style="text-align: center;">or</p> 
<p><b>Through Ceiling Installation (Optional)</b></p> <p>The through ceiling mounting kit can be used to reduce the visual appear of the antenna by 40%.</p>	 <p style="text-align: right;">62-17-09</p>
<p><b>Above Ceiling Installation (Optional)</b></p> <p>The through ceiling mounting kit can be used to reduce the visual appear of the antenna by 40%.</p>	 <p style="text-align: right;">62-40-09</p>
<p><b>Hard Ceiling Installation (Optional)</b></p> <p>The hard ceiling mounting kit can be used to mount the antenna to drywall and concrete ceilings</p>	 <p style="text-align: right;">62-54-09</p>

### Mating Connector Torque:

N-Type: 2.2 in-lb (3 Nm)

4.3-10: 3.7 ft-lb (5 Nm)

RFD#: 4935 ; Revision: R4 ; Release Date: August 14, 2023;