Antennas

![CCI logo]

Indoor DAS Panel Antenna

PDI-8976-PF1

- Indoor Panel antenna that covers the bands between 790 and 960 MHz and between 1710 and 2700 MHz
- 90° Low Band Horizontal Beamwidth
- 65° High Band Horizontal Beamwidth
- 73° Low Band Vertical Beamwidth
- 55° High Band Vertical Beamwidth
- Low Passive intermodulation products
- Simple wall mounting system

Overview

The CCI Panel Multi-Band Antenna is an LTE ready multi-band antenna that covers the full 790 to 960 MHz and 1710 to 2690 MHz spectrum. The antenna has an architecture that provides wide horizontal and vertical beamwidths over the full operating frequency range, as such the antenna is an ideal candidate for indoor DAS deployments. This antenna can be used in buildings and at sporting and entertainment venues where it is desirable to provide the same coverage area across all frequency bands.

Technical Description:

This antenna's radome is UV Stabilized ABS. The panel antenna provides low VSWR, low PIM and features a 6 inch pigtail terminated in a 7-16 DIN female connector and offers a convenient wall mounting system.

The panel antenna assembly, consist of the radome and an integrated RF cable for connection to the DAS system.

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Electrical

Frequency Range	790 - 960 MHz	1710 - 2700 MHz
Gain	7 $\pm$ 0.5 dBi	9 $\pm$ 0.5 dBi
Polarization	Vertical	
Horizontal Beamwidth	90°	65°
Vertical Beamwidth	73°	55°
Voltage Standing Wave Ratio(VSWR)	≤ 1.8:1	≤ 1.5:1
Input Power Continuous Wave (CW)	50 watts	
Input Impedance	50 ohms	
Lightning Protection	DC Ground	

Mechanical

|	
Dimensions (Dia.xH)	6.614 × 6.22 x 1.97 in (168 × 158 x 50 mm)
Weight	0.88 lbs (0.4 kg)
Operating Temperature	-40° C to +65° C
Connector	1 × 7/16 DIN female
Rated Wind Velocity	210 km/h

Outline Drawing

2.0 in (50 mm)

6.6 in (168 mm)

6.2 in (158 mm)
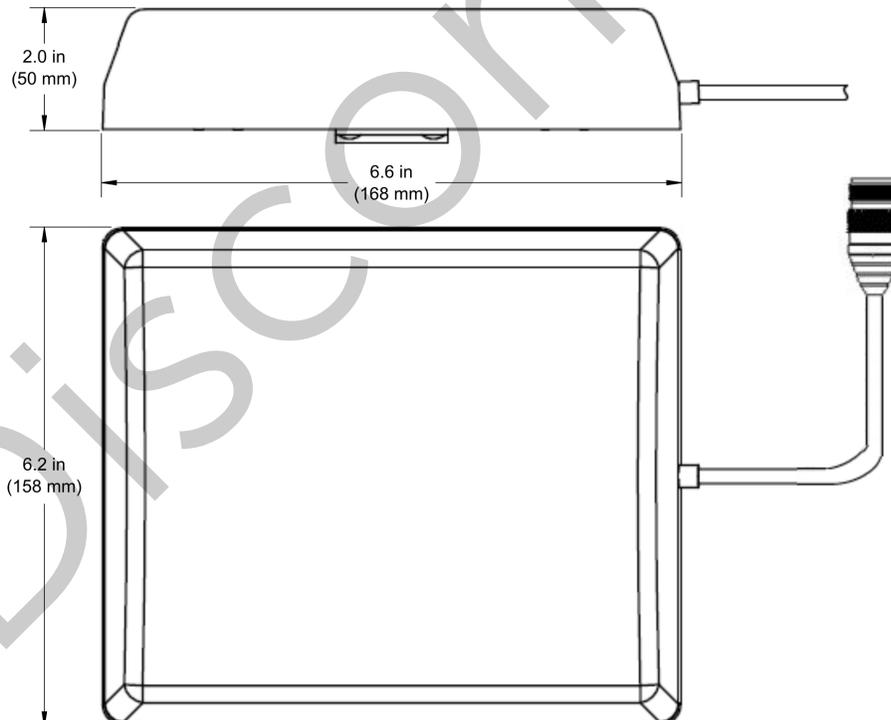
Indoor DAS Panel Antenna

Typical Antenna Patterns
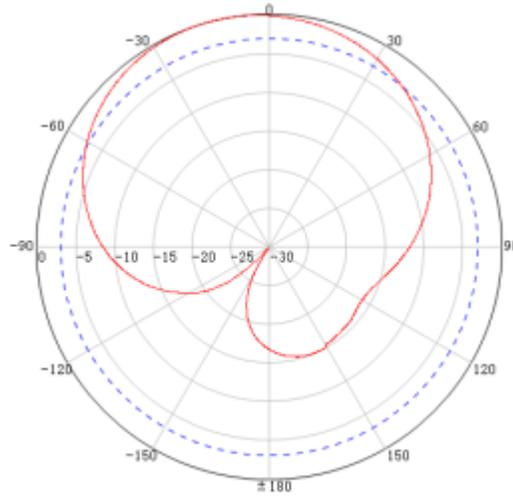
900 MHz H-Plane
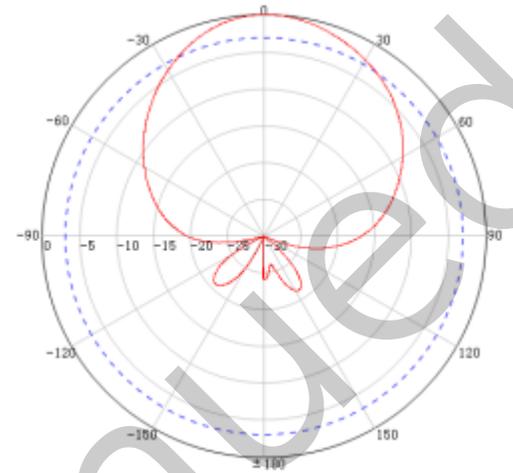
2170 MHz H-Plane
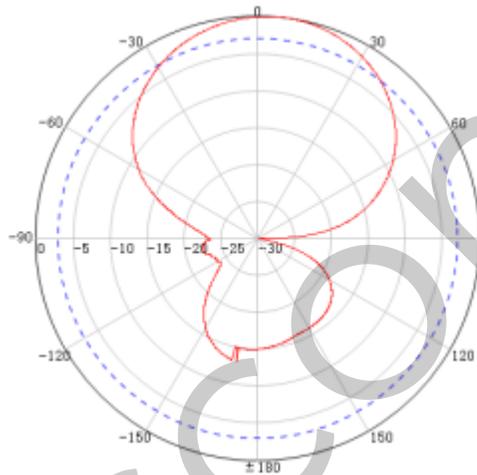
900 MHz V-Plane

2170 MHz V-Plane

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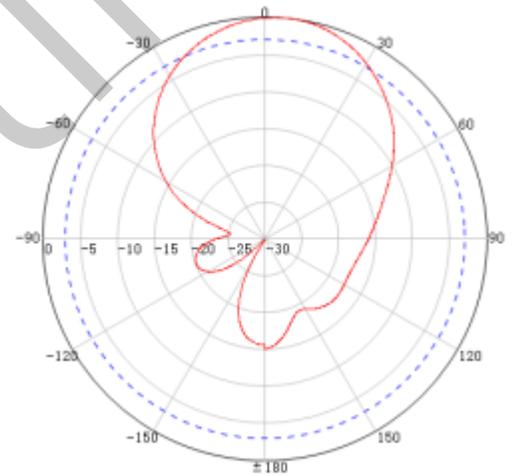
Indoor DAS Panel Antenna

PDI-8976-PF1

STANDARDS &
CERTIFICATIONS

Parts & Accessories

PDI-8976-PF1 Indoor DAS Panel Antenna

Certifications

ISO 9001

Communication Components Inc.
EXTENDING WIRELESS PERFORMANCE

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Revision 1.0

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