



Antennas

DATA SHEET

Indoor DAS Omni Antenna

ODI-8976-PF1



- Omni antenna that covers the bands between 806 and 960 MHz and between 1710 and 2700 MHz
- 360° Horizontal Beamwidth
- 85° Low Band Vertical Beamwidth
- 54° High Band Vertical Beamwidth
- Low Passive intermodulation products
- Simple ceiling mounting system

Overview

The CCI Omni Multi-Band Antenna is an LTE ready multi-band antenna that covers the full 806 to 960 MHz and 1710 to 2690 MHz spectrum. The antenna has an omni architecture that provides a 360° Horizontal Beamwidth 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 omni antenna provides low VSWR, low PIM and features a 6 inch pigtail terminated in a 7-16 DIN female connector and offers a convenient ceiling mount.

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



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SPECIFICATIONS

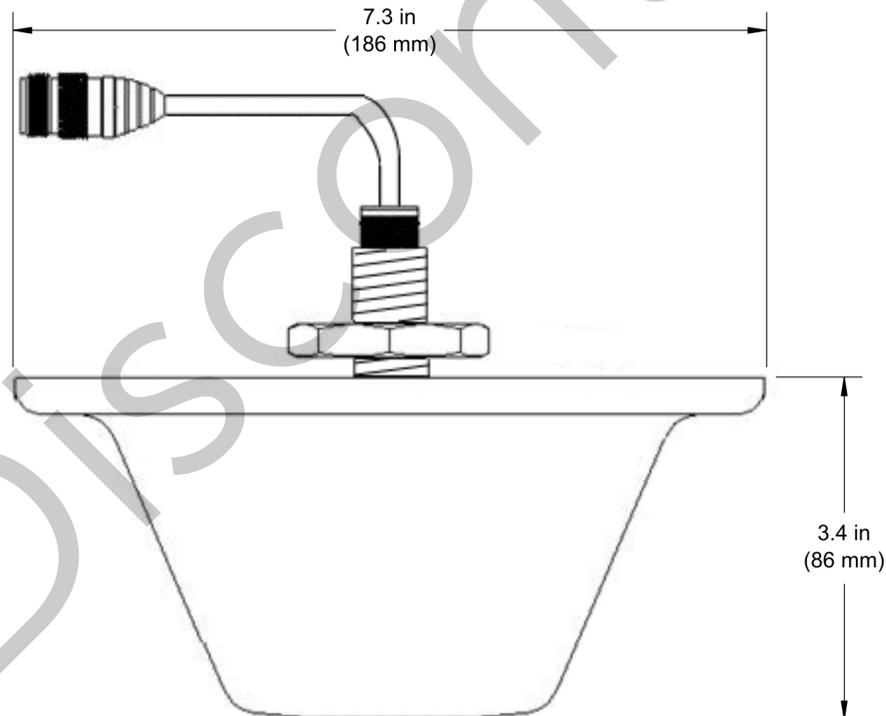
Electrical

Frequency Range	806 - 960 MHz	1710 - 2700 MHz
Gain	2 dBi	4 dBi
Polarization	Vertical	
Horizontal Beamwidth	360°	
Vertical Beamwidth	85°	54°
Voltage Standing Wave Ratio(VSWR)	≤ 1.5:1	≤ 1.5:1
Input Power Continuous Wave (CW)	50 watts	
Input Impedance	50 ohms	
Lightning Protection	DC Ground	

Mechanical

Dimensions (Dia.xH)	7.32x3.39 in (186x86 mm)
Weight	0.55 lbs (0.25 kg)
Operating Temperature	-40° C to +65° C
Connector	1 x 7/16 DIN female
Radome Material	ABS (UV Stabilized)

Outline Drawing





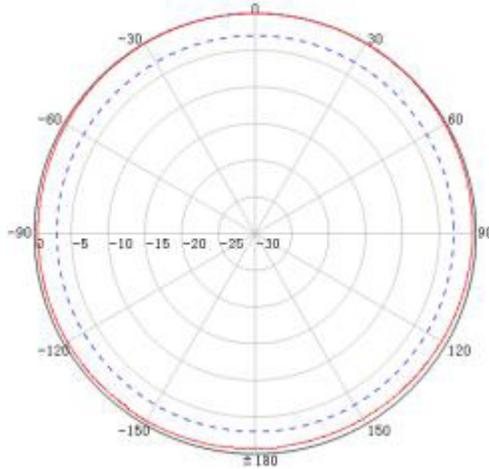
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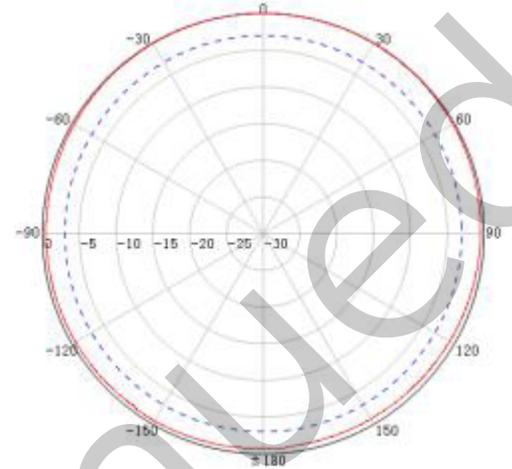
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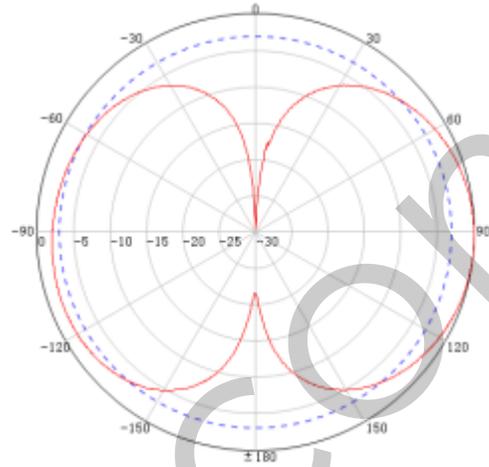
Typical Antenna Patterns



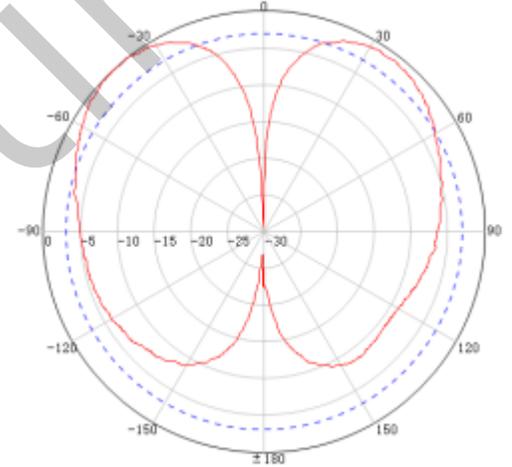
900 MHz H-Plane



2170 MHz H-Plane



900 MHz V-Plane



2170 MHz V-Plane



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STANDARDS & CERTIFICATIONS

Indoor DAS Omni Antenna

ODI-8976-PF1

Parts & Accessories

ODI-8976-PF1 Omni DAS Indoor Antenna

Certifications

ISO 9001



Discontinued



CCI

Communication Components Inc.

EXTENDING WIRELESS PERFORMANCE