

# CMAX-OMF8-43-UWI53

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Cell-Max™ Low PIM Omni MIMO In-building Antenna, 617-6000 MHz

## Product Classification

<b>Product Type</b>	In-building antenna
<b>Product Brand</b>	Cell-Max™

## General Specifications

<b>Application</b>	Indoor
<b>Antenna Type</b>	Omni
<b>Antenna Array Characteristic</b>	MIMO 2x2
<b>Polarization</b>	Linear Horizontal
<b>Color</b>	White (RAL 9016)
<b>Mounting</b>	Thru-hole ceiling mount (optional)
<b>Mounting Note</b>	For antenna installation on metal ceilings, please contact your local CommScope representative
<b>Number of Ports</b>	2
<b>Pigtail Cable</b>	670-141SXE, plenum rated
<b>Radome Material</b>	ASA+PC, UV stabilized
<b>RF Connector Interface</b>	4.3-10 Female

## Dimensions

<b>Height</b>	65 mm   2.559 in
<b>Pigtail Length</b>	500 mm   19.685 in
<b>Outer Diameter</b>	207 mm   8.15 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2700 MHz   3300 – 4200 MHz   4800 – 6000 MHz   617 – 698 MHz   698 – 960 MHz
<b>Electrical Note</b>	Values typical, unless otherwise stated

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## Electrical Specifications

Frequency Band, MHz	617–698	698–960	1695–2700	3300–4200	4800–6000
Gain, dBi	3.8	4	4	6	6
Beamwidth, Horizontal, degrees	360	360	360	360	360
Isolation, Cross Polarization, dB	15	17	18	19	19
VSWR   Return loss, dB	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153		
Input Power per Port, maximum, watts	100	100	100	100	100

## Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

## Packaging and Weights

Height, packed	200 mm   7.874 in
Width, packed	165 mm   6.496 in
Length, packed	210 mm   8.268 in
Weight, gross	0.7 kg   1.543 lb
Weight, net	0.6 kg   1.323 lb

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

