

# CMAX-OMF6-43-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>	18 mm   0.709 in
<b>Pigtail Length</b>	500 mm   19.685 in
<b>Outer Diameter</b>	266 mm   10.472 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1400 – 1500 MHz   1695 – 2700 MHz   3300 – 4200 MHz   4900 – 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	1400–1500	1695–2700	3300–4200	4900–6000
Gain, dBi	2	3.3	4	4.5	6	4.6
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
Isolation, Cross Polarization, dB	16	16	18	20	30	30
PIM, 3rd Order, 2 x 20 W, dBc		-153	-153	-153	-153	
Input Power per Port, maximum, watts	100	100	100	100	100	100

## VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
617–698 MHz	1.851	10.5	1.499	14
698–960 MHz	1.851	10.5	1.499	14
1400–1500 MHz	1.798	10.9	1.577	13
1695–2700 MHz	1.798	10.9	1.499	14
3300–4200 MHz	1.925	10	1.577	13
4900–6000 MHz	1.798	10.9	1.499	14

## Environmental Specifications

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

## Packaging and Weights

Width, packed	278 mm   10.945 in
Depth, packed	102 mm   4.016 in
Length, packed	280 mm   11.024 in
Weight, gross	0.7 kg   1.543 lb
Weight, net	0.5 kg   1.102 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>

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ROHS Compliant

UK-ROHS Compliant

