

# CMAX-OMF7-43-UWI53



Cell-Max™ Low PIM 4x4 Omni MIMO In-building Antenna, 617-6000 MHz

## Product Classification

Product Type	In-building antenna
Product Brand	Cell-Max™

## General Specifications

Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	MIMO 4x4
Polarization	Linear Horizontal
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Mounting Note	For antenna installation on metal ceilings, please contact your local CommScope representative
Number of Ports	4
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ASA+PC, UV stabilized
RF Connector Interface	4.3-10 Female

## Dimensions

Height	24 mm   0.945 in
Pigtail Length	500 mm   19.685 in
Outer Diameter	361 mm   14.213 in

## Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2700 MHz   3300 – 4200 MHz   4800 – 6000 MHz   617 – 698 MHz   698 – 960 MHz
Electrical Note	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	3.3	3.9	5.4	5.5	8.1
Beamwidth, Horizontal, degrees	360	360	360	360	360
Isolation, Cross Polarization, dB	17	17	20	30	30
VSWR   Return loss, dB	1.7   11.7	1.6   12.7	1.4   15.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-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

Width, packed	380 mm   14.961 in
Depth, packed	157 mm   6.181 in
Length, packed	407 mm   16.024 in
Weight, gross	1.7 kg   3.748 lb
Weight, net	1 kg   2.205 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



## Included Products

7850475	–	Omni Absorber ground plane to improve VSWR on metal ceilings (This product was designed to match the CMAX-OMF7-43-UWI53 antenna to metal ceiling)
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