

CMAX-0-43-UW-153-01



CMAX™ Low PIM Omni Indoor Antenna, 617–5925 MHz

Product Classification

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

General Specifications

Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	SISO
Polarization	Vertical
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Number of Ports	1
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ASA+PC, UV resistant
RF Connector Interface	4.3-10 Female

Dimensions

Height	136 mm 5.354 in
Pigtail Length	500 mm 19.685 in
Outer Diameter	209 mm 8.228 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1400 – 1600 MHz 1710 – 2700 MHz 3300 – 4200 MHz 5150 – 5925 MHz 617 – 798 MHz 798 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

Electrical Specifications

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Frequency Band, MHz	617-798	798-960	1400-1600	1710-2700	3300-4200	5150-5925
Gain, dBi	3	4	5.6	5	6.1	7.1
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
PIM, 3rd Order, 2 x 20 W, dBc	-150	-153	-153	-153	-153	
Input Power per Port, maximum, watts	100	100	100	100	100	

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
617-798 MHz	1.703	11.7	1.499	14
798-960 MHz	1.703	11.7	1.499	14
1400-1600 MHz	1.703	11.7	1.499	14
1710-2700 MHz	1.703	11.7	1.499	14
3300-4200 MHz	1.703	11.7	1.499	14
5150-5925 MHz	1.703	11.7	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

Height, packed	210 mm 8.268 in
Width, packed	220 mm 8.661 in
Length, packed	225 mm 8.858 in
Packaging quantity	1
Weight, gross	1 kg 2.205 lb
Weight, net	0.8 kg 1.764 lb