

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

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Electrical Specifications

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