CMAX-0-43-UW-I53-01



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

Product Classification

Product Type In-building antenna

Product Brand Cell-Max[™]

General Specifications

ApplicationIndoorAntenna TypeOmniAntenna Array CharacteristicSISOPolarizationVertical

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 $-40 \,^{\circ}\text{C} \text{ to } +60 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +140 \,^{\circ}\text{F})$

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

 Weight, gross
 1 kg | 2.205 lb

 Weight, net
 0.8 kg | 1.764 lb

