

# CMAX-DMF-43-UW-153

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Low PIM Directional MIMO In-Building Antenna, 617–960 MHz, 1695–2700 MHz, 3300-4000MHz, and 4800-6000MHz 4.3-10, (2 PORTS 617-960 and 1695-2700MHz, 2 PORTS 3300-4000 and 4800-6000MHz)

## Product Classification

**Product Type** In-building antenna

## General Specifications

**Application** Indoor/Outdoor  
**Antenna Type** Directional  
**Antenna Array Characteristic** MIMO 2x2  
**Polarization** ±45°  
**Color** White (RAL 9016)  
**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** 120 mm | 4.724 in  
**Width** 310 mm | 12.205 in  
**Length** 450 mm | 17.717 in  
**Pigtail Length** 450 mm | 17.717 in

## Electrical Specifications

**Impedance** 50 ohm  
**Operating Frequency Band** 1695 – 2700 MHz | 3300 – 4000 MHz | 4800 – 6000 MHz | 617 – 698 MHz | 698 – 960 MHz

## Electrical Specifications

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Frequency Band, MHz	617–698	698–960	1695–2200	2200–2700	3300–4000	4800–6000
Gain, dBi	7.7	7.9	8.8	9	8	8.2
Beamwidth, Horizontal, degrees	75	73	62	64	64	62
Beamwidth, Vertical, degrees	72	66	57	64	65	61
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	17	17	20	15	17	17
Isolation, Cross Polarization, dB	20	20	25	25	20	22
VSWR   Return loss, dB	1.7 11.7	1.6 12.7	1.5 14.0	1.5 14.0	1.7 11.7	1.7 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100	100	100

## Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

## Packaging and Weights

Height, packed	190 mm   7.48 in
Width, packed	340 mm   13.386 in
Length, packed	645 mm   25.394 in
Included	Mounting bracket
Weight, gross	4.6 kg   10.141 lb
Weight, net	3.1 kg   6.834 lb

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ROHS	Compliant

