

# CMAX-D-TCPUSEI53

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Low PIM Directional In-building Antenna, 350-470 MHz, 617-960 MHz, 1710-2700 MHz

## Product Classification

**Product Type** In-building antenna

## General Specifications

**Application** Indoor  
**Antenna Type** Directional  
**Antenna Array Characteristic** SISO  
**Polarization** Vertical  
**Color** White (RAL 9016)  
**Mounting** Poles between 30-55 mm with supplied clamps  
**Number of Ports** 1  
**Pigtail Cable** 670-141SXE, plenum rated  
**Radome Material** Fiberglass, UV resistant  
**RF Connector Interface** N Female

## Dimensions

**Width** 330 mm | 12.992 in  
**Length** 330 mm | 12.992 in  
**Pigtail Length** 500 mm | 19.685 in  
**Depth** 90 mm | 3.543 in

## Electrical Specifications

**Impedance** 50 ohm  
**Operating Frequency Band** 1710 - 2700 MHz | 350 - 470 MHz | 617 - 806 MHz | 806 - 960 MHz

## Electrical Specifications

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Frequency Band, MHz	350–470	617–698	698–960	1710–2700
Gain, dBi	5.2	7	7	9
Beamwidth, Horizontal, degrees	98	70	72	45
Beamwidth, Vertical, degrees	62	54	45	53
VSWR   Return loss, dB	1.8   10.9	1.8   10.9	1.8   10.9	1.8   10.9
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153
Input Power per Port, maximum, watts	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	370 mm   14.567 in
Depth, packed	170 mm   6.693 in
Length, packed	470 mm   18.504 in
Packaging quantity	1
Weight, gross	3 kg   6.614 lb
Weight, net	1.9 kg   4.189 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
ROHS	Compliant

