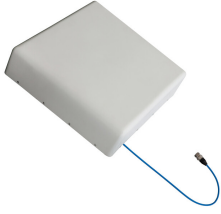


# CMAX-D-TCPUSEI53



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

## Electrical Specifications

**Impedance** 50 ohm  
**Operating Frequency Band** 1710 - 2700 MHz | 350 - 470 MHz | 617 - 806 MHz | 806 - 960 MHz  
**Electrical Note** Values typical, unless otherwise stated

## Electrical Specifications

Frequency Band, MHz	350-470	617-698	698-960	1710-2700
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<b>Gain, dBi</b>	5.2	7	7	9
<b>Beamwidth, Horizontal, degrees</b>	98	70	72	45
<b>Beamwidth, Vertical, degrees</b>	62	54	45	53
<b>VSWR   Return loss, dB</b>	1.8 10.9	1.8 10.9	1.8 10.9	1.8 10.9
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	100	100	100	100

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Relative Humidity</b>	Up to 100%

## Packaging and Weights

<b>Width, packed</b>	370 mm   14.567 in
<b>Depth, packed</b>	170 mm   6.693 in
<b>Length, packed</b>	470 mm   18.504 in
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	3 kg   6.614 lb
<b>Weight, net</b>	1.9 kg   4.189 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

