

# 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

**Antenna Type** Directional  
**Application** Indoor  
**Color** White  
**Mounting** Poles between 30-55 mm with supplied clamps  
**Number of Ports, all types** 1  
**Pigtail Cable** 670-141SXE, plenum rated  
**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  
**Polarization** Vertical

## Electrical Specifications

Frequency Band, MHz	350-470	617-698	698-960	1710-2700
Gain, dBi	5.2	7	7	9

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<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

## Material Specifications

**Radome Material**                      Fiberglass, UV resistant

## 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

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

