

# CMAX-DM60-CPUSEV53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

## OBSOLETE

This product was discontinued on: July 30, 2022

### Replaced By:

CMAX-DM60-43-UWI53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 617–960 MHz 1695–2700 MHz, 3300-4000MHz, and 4800-6000MHz 60-Deg, 4.3-10, (2 PORTS 617-960 and 1695-2700MHz, 2 PORTS 3300-4000 and 4800-6000MHz)

## Product Classification

<b>Product Type</b>	Over-the-head stadium antenna
<b>Product Brand</b>	Cell-Max™

## General Specifications

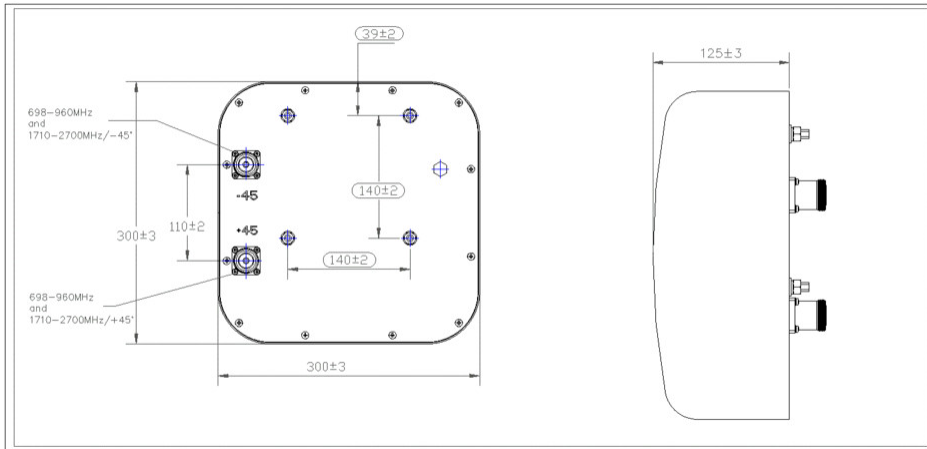
<b>Application</b>	Indoor/Outdoor
<b>Antenna Type</b>	Directional
<b>Antenna Array Characteristic</b>	MIMO 2x2
<b>Polarization</b>	±45°
<b>Color</b>	White (RAL 9016)
<b>Number of Ports</b>	2
<b>Radome Material</b>	ABS, UV resistant
<b>RF Connector Interface</b>	7-16 DIN Female

## Dimensions

<b>Width</b>	299.7 mm   11.799 in
<b>Depth</b>	124.5 mm   4.902 in
<b>Length</b>	299.7 mm   11.799 in

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## Outline Drawing



## Electrical Specifications

### Electrical Note

Values typical, unless otherwise stated

### Impedance

50 ohm

### Lightning Protection

dc Ground

## Electrical Specifications

Frequency Band, MHz	698-800	800-960	1695-1880	1850-1990	1920-2180	2200-2700	2300-2360
Gain, dBi	8.6	9.2	9.3	9.1	9.3	9.7	9.4
Beamwidth, Horizontal, degrees	60	59	55	54	56	59	61
Beamwidth, Vertical, degrees	61	58	56	58	58	57	59
Front-to-Back Total Power at 180° ± 30°, dB	24	26	24	26	28	26	28
CPR at Boresight, dB	24	24	20	20	20	20	20
Isolation, Cross Polarization, dB	30	30	30	30	30	30	30
VSWR   Return loss, dB	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200	200	200	200	200

## Mechanical Specifications

### Wind Loading @ Velocity, maximum

294.0 N @ 216 km/h (66.1 lbf @ 216 km/h)

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**Wind Speed, maximum** 216 km/h | 134.216 mph

## 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

**Vibration Test Method** ASTM D4169 | IEC 60068-2-6

## Packaging and Weights

**Width, packed** 350 mm | 13.78 in

**Depth, packed** 230 mm | 9.055 in

**Length, packed** 520 mm | 20.472 in

**Included** Mounting bracket

**Packaging quantity** 1

**Weight, gross** 7.7 kg | 16.976 lb

**Weight, net** 2.9 kg | 6.393 lb

## Regulatory Compliance/Certifications

### Agency

CHINA-ROHS

REACH-SVHC

ROHS

### Classification

Above maximum concentration value

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

Compliant/Exempted

