

# CMAX-DMH3030-43V53

---



Cell-Max™ Low PIM Directional High Capacity Venue 4x4 MIMO Antenna, 1695–2700 MHz

## OBSOLETE

This product was discontinued on: July 31, 2021

### Replaced By:

CMAX-3030S1-43-V53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, (2x 617–960 MHz, 1695–2700 MHz) and 2x 3300-4200 MHz, 30-Deg,

## 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 4x4
<b>Polarization</b>	±45°
<b>Color</b>	Light Gray (RAL 7035)
<b>Number of Ports</b>	4
<b>Radome Material</b>	PVC
<b>RF Connector Interface</b>	4.3-10 Female

## Dimensions

<b>Width</b>	328 mm   12.913 in
<b>Depth</b>	112 mm   4.409 in
<b>Length</b>	650 mm   25.591 in

# CMAX-DMH3030-43V53

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Lightning Protection</b>	dc Ground
<b>Operating Frequency Band</b>	1695 – 2700 MHz

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>1695–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>	<b>2200–2700</b>
<b>Gain, dBi</b>	13.6	14.6	14.8	15.6
<b>Beamwidth, Horizontal, degrees</b>	37	34	32	27
<b>Beamwidth, Vertical, degrees</b>	36	33	31	27
<b>Horizontal Sidelobe, dB</b>	20	20	22	22
<b>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	22	22	22	22
<b>Isolation, Cross Polarization, dB</b>	30	30	30	30
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
<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

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	2,127.0 N @ 216 km/h (478.2 lbf @ 216 km/h)
<b>Wind Speed, maximum</b>	216 km/h   134.216 mph

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +60 °C (-40 °F to +140 °F)
<b>Relative Humidity</b>	Up to 100%
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP65
<b>Vibration Test Method</b>	ASTM D4169   IEC 60068-2-6

## Packaging and Weights

<b>Height, packed</b>	210 mm   8.268 in
<b>Width, packed</b>	375 mm   14.764 in
<b>Length, packed</b>	890 mm   35.039 in
<b>Included</b>	Mounting bracket
<b>Packaging quantity</b>	1

# CMAX-DMH3030-43V53

---

**Weight, gross** 10 kg | 22.046 lb  
**Weight, net** 5.5 kg | 12.125 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

