

# CMAX-3030S-D-V53

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Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,

## OBSOLETE

This product was discontinued on: January 31, 2020

### Replaced By:

CMAX-3030S1-D-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

**Product Type** In-building antenna  
**Product Brand** Cell-Max™

## General Specifications

**Application** Indoor/Outdoor  
**Antenna Type** Directional  
**Antenna Array Characteristic** MIMO 2x2  
**Polarization** ±45°  
**Color** White  
**Number of Ports** 2  
**Radome Material** Fiberglass, UV resistant  
**RF Connector Interface** 7-16 DIN Female

## Dimensions

**Width** 760 mm | 29.921 in  
**Depth** 120 mm | 4.724 in  
**Length** 760 mm | 29.921 in

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Lightning Protection</b>	dc Ground

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698-800</b>	<b>800-960</b>	<b>1695-1880</b>	<b>1850-1990</b>	<b>1920-2180</b>	<b>2200-2700</b>	<b>2300-2360</b>
<b>Gain, dBi</b>	13.1	13.9	12.4	13	13.2	14.4	14.3
<b>Beamwidth, Horizontal, degrees</b>	39	35	39	36	35	29	30
<b>Beamwidth, Vertical, degrees</b>	38	33	38	35	34	29	29
<b>Horizontal Sidelobe, dB</b>	17	17	17	17	17	17	17
<b>Front-to-Back Ratio, Copolarization 180° ± 30°, dB</b>	28	30	30	30	30	30	30
<b>Isolation, Cross Polarization, dB</b>	30	30	30	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	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	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	200	200	200	200	200	200	200

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	2,128.0 N @ 216 km/h (478.4 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>Width, packed</b>	805 mm   31.693 in
<b>Depth, packed</b>	218 mm   8.583 in
<b>Length, packed</b>	942 mm   37.087 in
<b>Included</b>	Mounting bracket

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<b>Net Weight, with mounting kit</b>	18 kg   39.683 lb
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	20 kg   44.092 lb
<b>Weight, net</b>	12 kg   26.455 lb

## Regulatory Compliance/Certifications

### Agency

CHINA-ROHS

ROHS

### Classification

Below maximum concentration value

Compliant

