

# CMAX-3030S-43-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

## 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** 4.3-10 Female

## Dimensions

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

## Electrical Specifications

**Impedance** 50 ohm  
**Lightning Protection** dc Ground

## Electrical Specifications

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Frequency Band, MHz	698–800	800–960	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360
Gain, dBi	13.1	13.9	12.4	13	13.2	14.4	14.3
Beamwidth, Horizontal, degrees	39	35	39	36	35	29	30
Beamwidth, Vertical, degrees	38	33	38	35	34	29	29
Horizontal Sidelobe, dB	17	17	17	17	17	17	17
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	28	30	30	30	30	30	30
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	2,128.0 N @ 216 km/h (478.4 lbf @ 216 km/h)
Wind Speed, maximum	216 km/h (134 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	805 mm   31.693 in
Depth, packed	218 mm   8.583 in
Length, packed	1012 mm   39.843 in
Included	Mounting bracket
Net Weight, with mounting kit	18 kg   39.683 lb
Packaging quantity	1
Weight, gross	22 kg   48.502 lb
Weight, net	12 kg   26.455 lb