

# CMAX-60X-43-US



Cell-Max™ Low PIM Directional High Capacity Venue Over the Head (4x4 MIMO) Antenna, 4x 1695–2700, 4x 3100–4200, 2x 5150–5925 MHz,

## Product Classification

**Product Brand** Cell-Max™

## General Specifications

**Application** Indoor/Outdoor  
**Antenna Type** Directional  
**Polarization** ±45°  
**Color** White (RAL 9016)  
**Number of Ports** 10  
**Radome Material** ABS + ASA  
**RF Connector Interface** 4.3-10 Female

## Dimensions

**Width** 313 mm | 12.323 in  
**Depth** 118 mm | 4.646 in  
**Length** 448 mm | 17.638 in

## Electrical Specifications

**Impedance** 50 ohm  
**Lightning Protection** dc Ground  
**Operating Frequency Band** 1695 – 2700 MHz | 3100 – 4200 MHz | 5150 – 5925 MHz

## Electrical Specifications

Frequency Band, MHz	1695–2200	2200–2700	3100–4200	5150–5925
Gain, dBi	9.2	9.6	9.6	4
Beamwidth, Horizontal, degrees	61	61	61	58
Beamwidth, Vertical, degrees	65	60	59	21
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	30	30	34	28

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<b>CPR at Boresight, dB</b>	18	20	22	28
<b>Isolation, Cross Polarization, dB</b>	22	22	28	22
<b>VSWR   Return loss, dB</b>	1.6 12.7	1.6 12.7	1.6 12.7	1.6 12.7
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	
<b>Input Power per Port, maximum, watts</b>	100	100	100	1

## 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>	385 mm   15.157 in
<b>Length, packed</b>	700 mm   27.559 in
<b>Included</b>	Mounting bracket
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	7.5 kg   16.535 lb
<b>Weight, net</b>	3.2 kg   7.055 lb