

# CMAX-HM4-30-153



Cell-Max™ Low PIM Directional High Capacity Venue (4x4) MIMO Antenna, 1695–2700, 3300–4200MHz,

## 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>	326 mm   12.835 in
<b>Depth</b>	116 mm   4.567 in
<b>Length</b>	491 mm   19.331 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Lightning Protection</b>	dc Ground
<b>Operating Frequency Band</b>	1695 – 2700 MHz   3300 – 4200 MHz
<b>Electrical Note</b>	Values typical, unless otherwise stated

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>1695–2200</b>	<b>2200–2700</b>	<b>3300–4200</b>
<b>Gain, dBi</b>	10.8	11.5	10.3

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<b>Beamwidth, Horizontal, degrees</b>	34	27	32
<b>Beamwidth, Vertical, degrees</b>	67	66	61
<b>Horizontal Sidelobe, dB</b>	20	18	17
<b>Front-to-Back Ratio at 180°, dB</b>	20	20	18
<b>Isolation, Cross Polarization, dB</b>	20	20	20
<b>VSWR   Return loss, dB</b>	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
<b>Input Power per Port, maximum, watts</b>	100	100	100

## Environmental Specifications

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

## Packaging and Weights

<b>Height, packed</b>	505 mm   19.882 in
<b>Width, packed</b>	200 mm   7.874 in
<b>Length, packed</b>	530 mm   20.866 in
<b>Included</b>	Mounting bracket
<b>Net Weight, with mounting kit</b>	6.7 kg   14.771 lb
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	8.4 kg   18.519 lb
<b>Weight, net</b>	4.8 kg   10.582 lb