

# CMAX-DMH30-43M-i53



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

## Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360
Gain, dBi	10.7	10.9	11.0	11.8	11.4
Beamwidth, Horizontal, degrees	37	36	35	30	32
Beamwidth, Vertical, degrees	68.0	68.0	68.0	64.0	66.0
Horizontal Sidelobe, dB	18	18	18	18	18
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	25	25	25	25	25
Isolation, Cross Polarization, dB	25	25	25	25	25
VSWR   Return Loss, dB	1.6   12.7	1.6   12.7	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
Input Power per Port, maximum, watts	100	100	100	100	100
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

## Product Classification

**Brand** Cell-Max™

## General Specifications

<b>Antenna Type</b>	Directional
<b>Application</b>	Indoor   Outdoor
<b>Operating Frequency Band</b>	1695 – 2700 MHz
<b>Includes</b>	Mounting bracket
<b>Number of Ports, all types</b>	4
<b>Package Quantity</b>	1
<b>Pigtail Cable</b>	670-141SXE, plenum rated

## Mechanical Specifications

<b>Color</b>	Gray
<b>Pigtail Length</b>	914.0 mm   36.0 in
<b>Radome Material</b>	Fiberglass, UV resistant
<b>RF Connector Interface</b>	4.3-10 Male

## Environmental Specifications

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<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP65
<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

## Dimensions

<b>Depth</b>	131.0 mm   5.2 in
<b>Length</b>	412.0 mm   16.2 in
<b>Width</b>	286.0 mm   11.3 in
<b>Net Weight</b>	3.3 kg   7.3 lb
<b>Net Weight, with mounting kit</b>	5.2 kg   11.5 lb

## Packed Dimensions

<b>Height</b>	200.00 mm   7.87 in
<b>Length</b>	550.0 mm   21.7 in
<b>Width</b>	460.0 mm   18.1 in
<b>Shipping Weight</b>	6.7 kg   14.8 lb

## Regulatory Compliance/Certifications

**Agency**  
RoHS 2011/65/EU

## Classification

