

# CMAX-DMW60X1-43153

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Cell-Max™ Low PIM Directional High Capacity Venue Under the Seat (4x4 MIMO) Antenna, 1695–2700, 3400-3800, 4900-6000 MHz,

## Product Classification

<b>Product Type</b>	Under-the-seat stadium antenna
<b>Product Brand</b>	Cell-Max™

## General Specifications

<b>Application</b>	Indoor
<b>Antenna Type</b>	Directional
<b>Antenna Array Characteristic</b>	MIMO 4x4
<b>Polarization</b>	±45°
<b>Color</b>	Gray
<b>Number of Ports</b>	4
<b>Pigtail Cable</b>	670-141SXE, plenum rated
<b>Radome Material</b>	PVC
<b>RF Connector Interface</b>	4.3-10 Female

## Dimensions

<b>Width</b>	164 mm   6.457 in
<b>Length</b>	411 mm   16.181 in
<b>Pigtail Length</b>	305 mm   12.008 in
<b>Depth</b>	115 mm   4.528 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Lightning Protection</b>	dc Ground
<b>Operating Frequency Band</b>	1695 – 2700 MHz   3400 – 3800 MHz   4900 – 6000 MHz

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## Electrical Specifications

Frequency Band, MHz	1695–2200	2200–2700	3400–3800	4900–5900
Gain, dBi	8.2	8.2	7.1	7.3
Beamwidth, Horizontal, degrees	63	65	74	64
Beamwidth, Vertical, degrees	65	63	66	58
Front-to-Back Ratio at 180°, dB	22	22	17	15
Isolation, Cross Polarization, dB	22	22	23	23
VSWR   Return loss, dB	1.8   10.9	1.8   10.9	1.8   10.9	1.8   10.9
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	
Input Power per Port, maximum, watts	100	100	100	100

## 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

Height, packed	160 mm   6.299 in
Width, packed	185 mm   7.283 in
Length, packed	540 mm   21.26 in
Included	Mounting bracket
Packaging quantity	1
Weight, gross	2.8 kg   6.173 lb
Weight, net	2.3 kg   5.071 lb