

# CMAX-DMW2060-43153



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 1695–2700, 3400–3800, 4900–6000 MHz, (2 PORTS 1695–2700, 2 PORTS 3400–6000 MHz)

## 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 2x2
<b>Polarization</b>	±45°
<b>Number of Ports</b>	4
<b>Radome Material</b>	ASA+PC, UV stabilized
<b>RF Connector Interface</b>	4.3-10 Female

## Dimensions

<b>Width</b>	250 mm   9.843 in
<b>Length</b>	400 mm   15.748 in
<b>Depth</b>	83 mm   3.268 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

## Electrical Specifications

Frequency Band, MHz	1695–2200	2200–2700	3400–3800	4900–6000
<b>Gain, dBi</b>	12.8	13	12.5	12.4

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<b>Beamwidth, Horizontal, degrees</b>	23	20	22	20
<b>Beamwidth, Vertical, degrees</b>	67	63	62	66
<b>Horizontal Sidelobe, dB</b>	15	15	15	15
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	25	25	25	25
<b>Isolation, Cross Polarization, dB</b>	20	20	20	20
<b>VSWR   Return loss, dB</b>	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	
<b>Input Power per Port, maximum, watts</b>	100	100	100	100

## Mechanical Specifications

<b>Wind Loading at Velocity, maximum</b>	2,128.0 N @ 216 km/h   478.4 lbf @ 216 km/h
<b>Wind Speed, maximum</b>	216 km/h   134.216 mph

## 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>	430 mm   16.929 in
<b>Depth, packed</b>	190 mm   7.48 in
<b>Length, packed</b>	440 mm   17.323 in
<b>Included</b>	Mounting bracket
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	5.5 kg   12.125 lb
<b>Weight, net</b>	2.5 kg   5.512 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

