

# CMAX-DM30-43-V53

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Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg, 4.3-10

## Product Classification

<b>Product Type</b>	Indoor/outdoor antenna
<b>Product Brand</b>	Cell-Max™

## General Specifications

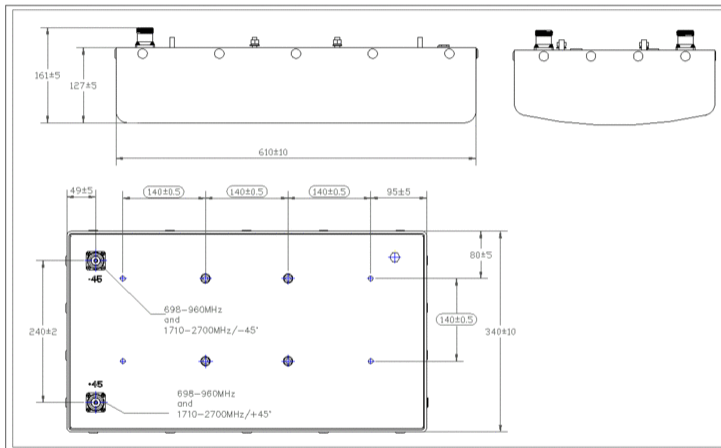
<b>Antenna Type</b>	Directional
<b>Application</b>	Indoor   Outdoor
<b>Color</b>	White
<b>Number of Ports, all types</b>	2
<b>RF Connector Interface</b>	4.3-10 Female

## Dimensions

<b>Width</b>	340.4 mm   13.402 in
<b>Length</b>	609.6 mm   24 in
<b>Depth</b>	127 mm   5 in

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## Outline Drawing



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Lightning Protection</b>	dc Ground
<b>Polarization</b>	±45°

## Electrical Specifications

Frequency Band, MHz	698-800	800-960	1695-1880	1850-1990	1920-2180	2200-2700	2300-2360
<b>Gain, dBi</b>	11.1	11.8	10.9	11	11.3	12	12
<b>Beamwidth, Horizontal, degrees</b>	34	30	34	33	31	26	28
<b>Beamwidth, Vertical, degrees</b>	68	61	70	66	65	65	64

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<b>Horizontal Sidelobe, dB</b>	13	13	15	15	15	15	15
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	22	22	27	27	27	27	27
<b>CPR at Boresight, dB</b>	20	20	17	17	17	20	20
<b>Isolation, Cross Polarization, dB</b>	25	25	25	25	25	25	25
<b>VSWR   Return loss, dB</b>	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	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	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	200	200	200	200	200	200	200

## Material Specifications

**Radome Material** ABS, UV resistant

## Mechanical Specifications

**Wind Loading at Velocity, maximum** 154.2 lbf @ 216 km/h | 686.0 N @ 216 km/h

**Wind Speed, maximum** 216 km/h | 134.216 mph

## 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

**Width, packed** 350 mm | 13.78 in

**Depth, packed** 210 mm | 8.268 in

**Length, packed** 890 mm | 35.039 in

**Included** Mounting bracket

**Packaging quantity** 1

**Weight, gross** 12.4 kg | 27.337 lb

**Weight, net** 7 kg | 15.432 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>

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ROHS

Compliant

