## CMAX-DM30-43-V53



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

This product will be discontinued on: December 30, 2023 Replaced By:

CMAX-LHM2-30-I53

Low PIM Directional High Capacity Venue 2x2 MIMO Antenna 4G/5G/C-Band, 617–960 MHz, 1695–2700 MHz and 3300-4200MHz, 4.3-10

#### Product Classification

**Product Type** Over-the-head stadium antenna

Product Brand Cell-Max™

General Specifications

**Application** Indoor/Outdoor

Antenna Type Directional

Antenna Array Characteristic MIMO 2x2

Polarization ±45°

Color White (RAL 9016)

Number of Ports 2

**RF Connector Interface**ABS, UV resistant
4.3-10 Female

Dimensions

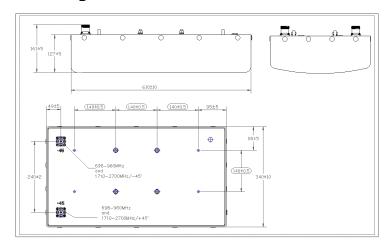
**Width** 340.4 mm | 13.402 in

**Depth** 127 mm | 5 in **Length** 609.6 mm | 24 in



# CMAX-DM30-43-V53

### Outline Drawing



## **Electrical Specifications**

Impedance50 ohmLightning Protectiondc Ground

Electrical Note Values typical, unless otherwise stated

## **Electrical Specifications**

Frequency Band, MHz	698-800	800-960	1695-1880	1850-1990	1920-2180	2200-2700	2300-2360
Gain, dBi	11.1	11.8	10.9	11	11.3	12	12
Beamwidth, Horizontal, degrees	34	30	34	33	31	26	28
Beamwidth, Vertical, degrees	68	61	70	66	65	65	64
Horizontal Sidelobe, dB	13	13	15	15	15	15	15
Front-to-Back Total Power at 180° ± 30°, dB	22	22	27	27	27	27	27
CPR at Boresight, dB	20	20	17	17	17	20	20
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
VSWR   Return loss, dB	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
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200	200	200	200	200

Mechanical Specifications



## CMAX-DM30-43-V53

686.0 N @ 216 km/h (154.2 lbf @ 216 km/h) Wind Loading @ Velocity, maximum

216 km/h | 134.216 mph Wind Speed, maximum

#### **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

**Packaging quantity** 1

Weight, gross 12.4 kg | 27.337 lb Weight, net 7 kg | 15.432 lb

#### Regulatory Compliance/Certifications

#### **Agency** Classification

CHINA-ROHS Below maximum concentration value

**REACH-SVHC** Compliant as per SVHC revision on www.commscope.com/ProductCompliance

Mounting bracket

**ROHS** Compliant **UK-ROHS** Compliant



