

CMAX-DM60-43-V53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

OBSOLETE

This product was discontinued on: December 30, 2023

Replaced By:

CMAX-LHM2-60-I53 Low PIM Directional High Capacity Venue MIMO Antenna 4G/5G/C-Band, 617–960 MHz 1695–2700 MHz and 3300-4200MHz 60-Deg, 4.3-10, (2 PORTS 617-4200MHz)

Product Classification

Product Type Over-the-head stadium antenna
Product Brand Cell-Max™

General Specifications

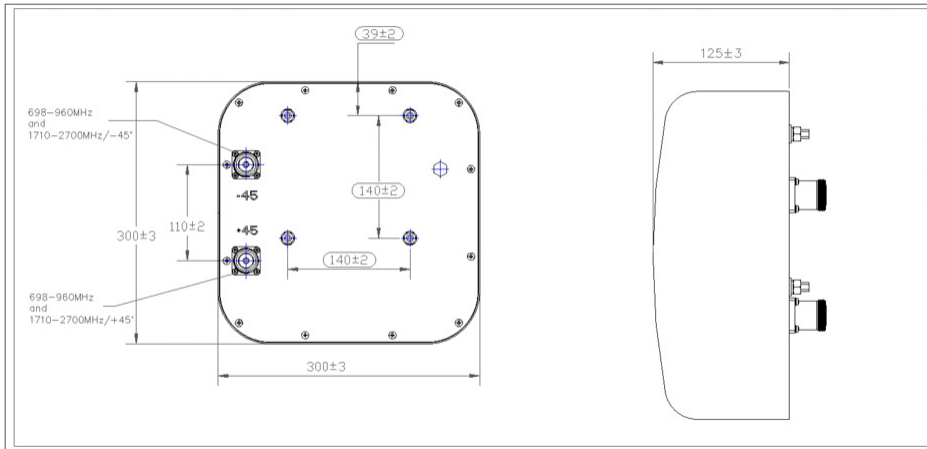
Application Indoor/Outdoor
Antenna Type Directional
Antenna Array Characteristic MIMO 2x2
Polarization ±45°
Color White (RAL 9016)
Number of Ports 2
Radome Material ABS, UV resistant
RF Connector Interface 4.3-10 Female

Dimensions

Width 299.7 mm | 11.799 in
Depth 124.5 mm | 4.902 in
Length 299.7 mm | 11.799 in

CMAX-DM60-43-V53

Outline Drawing



Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc 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	8.6	9.2	9.3	9.1	9.3	9.7	9.4
Beamwidth, Horizontal, degrees	60	59	55	54	56	59	61
Beamwidth, Vertical, degrees	61	58	56	58	58	57	59
Front-to-Back Total Power at 180° ± 30°, dB	24	26	24	26	28	26	28
CPR at Boresight, dB	24	24	20	20	20	20	20
Isolation, Cross Polarization, dB	30	30	30	30	30	30	30
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

Wind Loading @ Velocity, maximum	294.0 N @ 216 km/h (66.1 lbf @ 216 km/h)
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CMAX-DM60-43-V53

Wind Speed, maximum 216 km/h (134 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 230 mm | 9.055 in

Length, packed 520 mm | 20.472 in

Included Mounting bracket

Packaging quantity 1

Weight, gross 7.3 kg | 16.094 lb

Weight, net 2.9 kg | 6.393 lb

Regulatory Compliance/Certifications

Agency

Classification

CHINA-ROHS

Below maximum concentration value

REACH-SVHC

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

ROHS

Compliant

UK-ROHS

Compliant

