

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

Product Classification

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

General Specifications

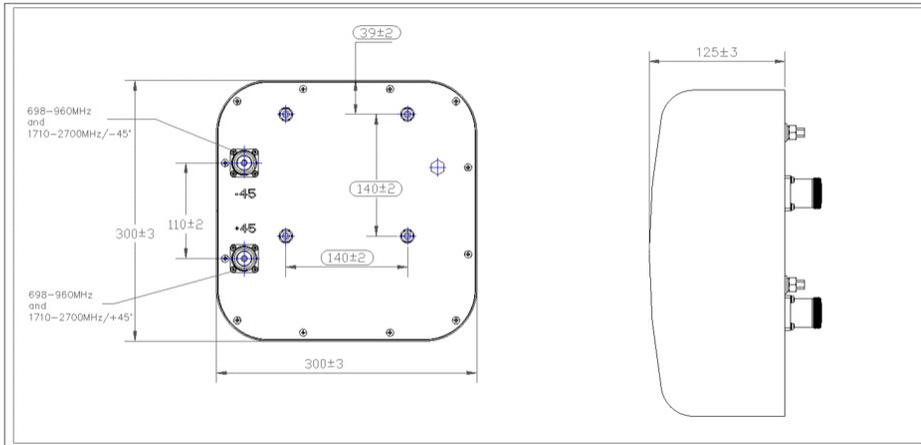
Application	Indoor/Outdoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	White (RAL 9016)
Number of Ports	2
Radome Material	ABS, UV resistant
RF Connector Interface	4.3-10 Female

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

Electrical Note

Values typical, unless otherwise stated

Impedance

50 ohm

Lightning Protection

dc Ground

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 at Velocity, maximum

294.0 N @ 216 km/h | 66.1 lbf @ 216 km/h

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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 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

CHINA-ROHS

REACH-SVHC

ROHS

Classification

Below maximum concentration value

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

Compliant

