

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	Indoor/outdoor antenna
Product Brand	Cell-Max™

General Specifications

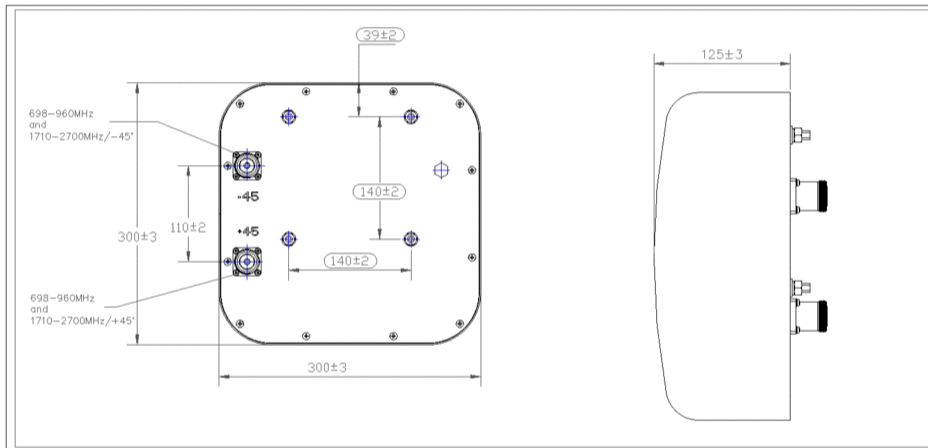
Antenna Type	Directional
Application	Indoor Outdoor
Color	White
Number of Ports, all types	2
RF Connector Interface	4.3-10 Female

Dimensions

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

CMAX-DM60-43-V53

Outline Drawing



Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc Ground
Polarization	±45°

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

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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

Material Specifications

Radome Material ABS, UV resistant

Mechanical Specifications

Wind Loading at Velocity, maximum 294.0 N @ 216 km/h | 66.1 lbf @ 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 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