

CMAX-DMH30-43M-153



Cell-Max™ Low PIM Directional High Capacity Venue (4x4) MIMO Antenna, 1695–2700 MHz

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 4x4
Polarization	±45°
Color	Gray
Number of Ports	4
Pigtail Cable	670-141SXE, plenum rated
Radome Material	Fiberglass, UV resistant
RF Connector Interface	4.3-10 Male

Dimensions

Width	286 mm 11.26 in
Length	412 mm 16.22 in
Pigtail Length	914 mm 35.984 in
Depth	131 mm 5.157 in

Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc Ground
Operating Frequency Band	1695 – 2700 MHz

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Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360
Gain, dBi	10.7	10.9	11	11.8	11.4
Beamwidth, Horizontal, degrees	37	36	35	30	32
Beamwidth, Vertical, degrees	68	68	68	64	66
Horizontal Sidelobe, dB	18	18	18	18	18
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	25	25	25	25	25
Isolation, Cross Polarization, dB	25	25	25	25	25
VSWR Return loss, dB	1.6 12.7	1.6 12.7	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
Input Power per Port, maximum, watts	100	100	100	100	100

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

Height, packed	200 mm 7.874 in
Width, packed	460 mm 18.11 in
Length, packed	550 mm 21.654 in
Included	Mounting bracket
Net Weight, with mounting kit	5.2 kg 11.464 lb
Packaging quantity	1
Weight, gross	6.7 kg 14.771 lb
Weight, net	3.3 kg 7.275 lb