CMAX-HM4-60-153



Cell-Max[™] Low PIM Directional High Capacity Venue Over the Head (4x4 MIMO) Antenna, 1695–2700, 3300-4200 MHz

Product Classification **Product Type** Over-the-head stadium antenna **Product Brand** Cell-Max™ General Specifications Application Indoor/Outdoor Directional Antenna Type Antenna Array Characteristic MIMO 4x4 Polarization ±45° Color Light Gray (RAL 7035) Number of Ports 4 **Radome Material** PVC **RF Connector Interface** 4.3-10 Female Dimensions Width 164 mm | 6.457 in Depth 115 mm | 4.528 in Length 426 mm | 16.772 in **Electrical Specifications** Impedance 50 ohm **Lightning Protection** dc Ground **Operating Frequency Band** 1695 - 2700 MHz | 3300 - 4200 MHz **Electrical Note** Values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz	1695-2200	2200-2700	3300-4200
Gain, dBi	8.9	8.9	8.7

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Beamwidth, Horizontal, degrees	63	64	60
Beamwidth, Vertical, degrees	64	64	60
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	22	22	20
Isolation, Cross Polarization, dB	22	22	22
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Relative Humidity	Up to 100%	
Vibration Test Method	ASTM D4169 IEC 60068-2-6	

Packaging and Weights

Width, packed	350 mm 13.78 in
Depth, packed	190 mm 7.48 in
Length, packed	470 mm 18.504 in
Included	Mounting bracket
Net Weight, with mounting kit	4.5 kg 9.921 lb
Packaging quantity	1
Weight, gross	5.5 kg 12.125 lb
Weight, net	2.6 kg 5.732 lb

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