

CMAX-HM4-30-153



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

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 4x4
Polarization	±45°
Color	Light Gray (RAL 7035)
Number of Ports	4
Radome Material	PVC
RF Connector Interface	4.3-10 Female

Dimensions

Width	326 mm 12.835 in
Depth	116 mm 4.567 in
Length	491 mm 19.331 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	10.8	11.5	10.3

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Beamwidth, Horizontal, degrees	34	27	32
Beamwidth, Vertical, degrees	67	66	61
Horizontal Sidelobe, dB	20	18	17
Front-to-Back Ratio at 180°, dB	20	20	18
Isolation, Cross Polarization, dB	20	20	20
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

Height, packed	505 mm 19.882 in
Width, packed	200 mm 7.874 in
Length, packed	530 mm 20.866 in
Included	Mounting bracket
Net Weight, with mounting kit	6.7 kg 14.771 lb
Packaging quantity	1
Weight, gross	8.4 kg 18.519 lb
Weight, net	4.8 kg 10.582 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

