

CMAX-DMH30-43M-153



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

OBSOLETE

This product was discontinued on: July 31, 2021

Replaced By:

CMAX-DM30-43-V53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg, 4.3-10

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
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
Depth	131 mm 5.157 in
Length	412 mm 16.22 in

CMAX-DMH30-43M-153

Pigtail Length 914 mm | 35.984 in

Electrical Specifications

Impedance 50 ohm

Lightning Protection dc Ground

Operating Frequency Band 1695 – 2700 MHz

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

CMAX-DMH30-43M-153

Weight, gross 6.7 kg | 14.771 lb

Weight, net 3.3 kg | 7.275 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

