

CMAX-DMW3020-43153



Cell-Max™ Low PIM Directional High Capacity Venue Hand Rail MIMO Antenna, 1695–2700, 3400–3800, 4900–6000 MHz, (2 PORTS 1710–2700, 2 PORTS 3400–6000 MHz)

OBSOLETE

This product was discontinued on: November 29, 2022

Product Classification

Product Type	Hand-rail stadium antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	White (RAL 9016)
Number of Ports	4
Radome Material	ABS
RF Connector Interface	4.3-10 Female

Dimensions

Width	420 mm 16.535 in
Depth	88 mm 3.465 in
Length	410 mm 16.142 in

Electrical Specifications

Electrical Note	Values typical, unless otherwise stated
Impedance	50 ohm

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Lightning Protection	dc Ground
Operating Frequency Band	1695 – 2700 MHz 3400 – 3800 MHz 4900 – 6000 MHz

Electrical Specifications

Frequency Band, MHz	1695–2200	2200–2700	3400–3800	4900–6000
Gain, dBi	15.3	15.8	14.4	13.7
Beamwidth, Horizontal, degrees	38	32	34	31
Beamwidth, Vertical, degrees	24	20	23	21
Beam Tilt, degrees	12	12	12	12
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	30	30	30	27
Isolation, Cross Polarization, dB	30	30	30	30
VSWR Return loss, dB	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	
Input Power per Port, maximum, watts	100	100	100	100

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Width, packed	485 mm 19.094 in
Depth, packed	170 mm 6.693 in
Length, packed	530 mm 20.866 in
Packaging quantity	1
Weight, gross	5.5 kg 12.125 lb
Weight, net	3.4 kg 7.496 lb