

CMAX-DMH3030-43V53



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

Electrical Specifications

Frequency Band, MHz	1695–1880	1850–1990	1920–2180	2200–2700
Gain, dBi	13.6	14.6	14.8	15.6
Beamwidth, Horizontal, degrees	37	34	32	27
Beamwidth, Vertical, degrees	36.0	33.0	31.0	27.0
Horizontal Sidelobe, dB	20	20	22	22
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	22	22	22	22
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	-153
Input Power per Port, maximum, watts	100	100	100	100
Polarization	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm

Product Classification

Brand Cell-Max™

General Specifications

Antenna Type	Directional
Application	Indoor Outdoor
Operating Frequency Band	1695 – 2700 MHz
Includes	Mounting bracket
Number of Ports, all types	4
Package Quantity	1

Mechanical Specifications

Color	Gray
Radome Material	PVC
RF Connector Interface	4.3-10 Female
Wind Loading, maximum	2127.0 N @ 216 km/h 478.2 lbf @ 216 km/h
Wind Speed, maximum	216 km/h 134 mph

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Environmental Specifications

Ingress Protection Test Method	IEC 60529:2001, IP65
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

Dimensions

Depth	112.0 mm 4.4 in
Length	650.0 mm 25.6 in
Width	328.0 mm 12.9 in
Net Weight	5.5 kg 12.1 lb

Packed Dimensions

Height	210.00 mm 8.27 in
Length	890.0 mm 35.0 in
Width	375.0 mm 14.8 in
Shipping Weight	10.0 kg 22.0 lb

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification

