

CMAX-3030S-43-V53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,

OBSOLETE

This product was discontinued on: January 31, 2020

Replaced By:

CMAX-3030S1-43-V53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, (2x 617–960 MHz, 1695–2700 MHz) and 2x 3300-4200 MHz, 30-Deg,

Product Classification

Product Type	In-building antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor/Outdoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	White
Number of Ports	2
Radome Material	Fiberglass, UV resistant
RF Connector Interface	4.3-10 Female

Dimensions

Width	760 mm 29.921 in
Depth	120 mm 4.724 in
Length	760 mm 29.921 in

CMAX-3030S-43-V53

Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc Ground

Electrical Specifications

Frequency Band, MHz	698-800	800-960	1695-1880	1850-1990	1920-2180	2200-2700	2300-2360
Gain, dBi	13.1	13.9	12.4	13	13.2	14.4	14.3
Beamwidth, Horizontal, degrees	39	35	39	36	35	29	30
Beamwidth, Vertical, degrees	38	33	38	35	34	29	29
Horizontal Sidelobe, dB	17	17	17	17	17	17	17
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	28	30	30	30	30	30	30
Isolation, Cross Polarization, dB	30	30	30	30	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	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	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200	200	200	200	200

Mechanical Specifications

Wind Loading @ Velocity, maximum	2,128.0 N @ 216 km/h (478.4 lbf @ 216 km/h)
Wind Speed, maximum	216 km/h 134.216 mph

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

Width, packed	805 mm 31.693 in
Depth, packed	218 mm 8.583 in
Length, packed	1012 mm 39.843 in
Included	Mounting bracket

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Net Weight, with mounting kit	18 kg 39.683 lb
Packaging quantity	1
Weight, gross	22 kg 48.502 lb
Weight, net	12 kg 26.455 lb