

CMAX-3030S-D-V53



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

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	13.0	13.2	14.4	14.3
Beamwidth, Horizontal, degrees	39	35	39	36	35	29	30
Beamwidth, Vertical, degrees	38.0	33.0	38.0	35.0	34.0	29.0	29.0
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
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

Product Classification

Brand Cell-Max™

General Specifications

Antenna Type	Directional
Application	Indoor Outdoor
Includes	Mounting bracket
Number of Ports, all types	2
Package Quantity	1

Mechanical Specifications

Color	White
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
Wind Loading, maximum	2128.0 N @ 216 km/h 478.4 lbf @ 216 km/h
Wind Speed, maximum	216 km/h 134 mph

Environmental Specifications

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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	120.0 mm 4.7 in
Length	760.0 mm 29.9 in
Width	760.0 mm 29.9 in
Net Weight	12.0 kg 26.5 lb
Net Weight, with mounting kit	18.0 kg 39.7 lb

Packed Dimensions

Depth	218.0 mm 8.6 in
Length	942.0 mm 37.1 in
Width	805.0 mm 31.7 in
Shipping Weight	20.0 kg 44.1 lb

Outline Drawing

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification

