

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,

Electrical Specifications

Frequency Band, MHz	617–698	698–800	800–960	1695–1880	1850–1990	1920–2180	2200–2700	2300–2360	3300–4200
Gain, dBi	12.0	13.1	14.0	12.4	13.2	13.6	15.0	14.6	14.7
Beamwidth, Horizontal, degrees	44	38	33	39	37	35	30	31	29
Beamwidth, Vertical, degrees	40.0	38.0	32.0	38.0	37.0	35.0	29.0	31.0	30.0
Horizontal Sidelobe, dB	17	17	17	17	17	17	17	17	15
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	25	28	30	30	30	30	30	30	28
Isolation, Cross Polarization, dB	28	28	30	28	28	28	28	28	28
VSWR Return Loss, dB	1.7 11.7	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	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	200	200	200	200	200	200	200	200	200
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	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
Operating Frequency Band	1710 – 2700 MHz 3300 – 4200 MHz 617 – 698 MHz 698 – 960 MHz
Includes	Mounting bracket
Number of Ports, all types	4
Package Quantity	1

Mechanical Specifications

Color	White
Radome Material	Fiberglass, UV resistant
RF Connector Interface	4.3-10 Female
Wind Loading, maximum	2128.0 N @ 216 km/h 478.4 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	118.0 mm 4.6 in
Length	756.0 mm 29.8 in
Width	756.0 mm 29.8 in
Net Weight	12.7 kg 28.0 lb
Net Weight, with mounting kit	18.3 kg 40.3 lb

Packed Dimensions

Depth	218.0 mm 8.6 in
Length	1012.0 mm 39.8 in
Width	805.0 mm 31.7 in
Shipping Weight	23.5 kg 51.8 lb

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification

