

CMAX-DM30-43-UWI53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 617–960 MHz, 1695–2700 MHz, 3300–4000MHz, and 4800–6000MHz 30-Deg, 4.3-10, (2 PORTS 617-960 and 1695-2700MHz, 2 PORTS 3300-4000 and 4800-6000MHz)

Product Classification

Product Type	Over-the-head stadium antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor/Outdoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	Light Gray (RAL 7035)
Number of Ports	4
Radome Material	PVC
RF Connector Interface	4.3-10 Female

Dimensions

Height	140 mm 5.512 in
Width	417 mm 16.417 in
Length	700 mm 27.559 in

Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc Ground
Operating Frequency Band	1695 – 2700 MHz 3300 – 4000 MHz 4800 – 6000 MHz 617 – 698 MHz 698 – 960 MHz

Electrical Specifications

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Frequency Band, MHz	617–698	698–960	1695–2200	2200–2700	3300–4000	4800–6000
Gain, dBi	10	10	10.7	11.7	10.9	10
Beamwidth, Horizontal, degrees	40	34	32	26	31	29
Beamwidth, Vertical, degrees	69	65	69	62	62	65
Horizontal Sidelobe, dB	15	15	15	15	15	15
Front-to-Back Total Power at 180° ± 30°, dB	20	20	20	20	20	20
CPR at Boresight, dB	15	11	15	15	9	8
Isolation, Cross Polarization, dB	22	22	24	24	25	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.6 12.7	1.7 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	
Input Power per Port, maximum, watts	200	200	200	200	200	200

Mechanical Specifications

Wind Loading at Velocity, maximum	154.2 lbf @ 216 km/h 686.0 N @ 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

Height, packed	235 mm 9.252 in
Width, packed	480 mm 18.898 in
Length, packed	940 mm 37.008 in
Included	Mounting bracket
Net Weight, with mounting kit	10.8 kg 23.81 lb
Packaging quantity	1
Weight, gross	13 kg 28.66 lb
Weight, net	7.9 kg 17.416 lb

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Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

