

CMAX-OUS-TUW-431



Cell-Max™ Omni In-building Antenna, 350–520MHz, 617–960MHz, 1695–2700MHz, 3300–4200MHz and 4900–6000MHz

Product Classification

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

General Specifications

Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	SISO
Polarization	Linear Horizontal
Color	Signal white (RAL 9003)
Mounting	Thru-hole ceiling mount (optional)
Number of Ports	1
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS
RF Connector Interface	4.3-10 Female

Dimensions

Height	10 mm 0.394 in
Pigtail Length	250 mm 9.843 in
Outer Diameter	290 mm 11.417 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2700 MHz 3300 – 4200 MHz 350 – 520 MHz 4900 – 6000 MHz 617 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

Electrical Specifications

CMAx-OUS-TUW-431

Frequency Band, MHz	350–520	617–960	1695–2700	3300–4200	4900–6000
Gain, dBi	4.4	5	5	6.3	5.9
Beamwidth, Horizontal, degrees	360	360	360	360	360
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	
PIM, 3rd Order, typical, 2 x 20 W, dBc					-153
Input Power per Port, maximum, watts	50	50	50	50	50

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
350–520 MHz	2.007	9.5	1.703	11.7
617–960 MHz	2.007	9.5	1.703	11.7
1695–2700 MHz	1.798	10.9	1.499	14
3300–4200 MHz	1.798	10.9	1.499	14
4900–6000 MHz	1.798	10.9	1.499	14

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Height, packed	310 mm 12.205 in
Depth, packed	85 mm 3.346 in
Length, packed	310 mm 12.205 in
Packaging quantity	1
Weight, gross	0.71 kg 1.565 lb
Weight, net	0.47 kg 1.036 lb

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
UK-ROHS	Compliant

