

# CMAX-OUS-TUW-431

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Cell-Max™ Omni In-building Antenna, 350–520 MHz, 617–960 MHz, 1350–1550 MHz, 1695–2700 MHz, 3300–4200 MHz and 4900–6000 MHz

## Product Classification

<b>Product Type</b>	In-building antenna
<b>Product Brand</b>	Cell-Max™

## General Specifications

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

## Dimensions

<b>Height</b>	10 mm   0.394 in
<b>Pigtail Length</b>	250 mm   9.843 in
<b>Outer Diameter</b>	290 mm   11.417 in

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1350 – 1550 MHz   1695 – 2700 MHz   3300 – 4200 MHz   350 – 520 MHz   4900 – 6000 MHz   617 – 960 MHz
<b>Electrical Note</b>	Values typical, unless otherwise stated

## Electrical Specifications

# CMAX-OUS-TUW-43I

Frequency Band, MHz	350–520	617–960	1350–1550	1695–2700	3300–4200	4900–6000
Gain, dBi	4.4	5	5	5	6.3	5.9
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	50	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
1350–1550 MHz	1.798	10.9	1.499	14
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%
Ingress Protection Test Method	IEC 60529:2001, IP42

## 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 <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

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