



Cell-Max™ Log Periodic Outdoor Antenna 698-3800MHz

Product Classification

Product Type	Indoor/outdoor antenna
Product Brand	Cell-Max™

General Specifications

Application	Outdoor
Antenna Type	Directional
Polarization	Vertical
Color	White
Number of Ports	1
Radome Material	ABS
RF Connector Interface	4.3-10 Female

Dimensions

Width	210 mm   8.268 in
Depth	65 mm   2.559 in
Length	440 mm   17.323 in

Electrical Specifications

Electrical Note	Values typical, unless otherwise stated
Impedance	50 ohm
Operating Frequency Band	1400 – 1600 MHz   1710 – 2700 MHz   3300 – 3800 MHz   698 – 960 MHz

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1400–1600	1695–2700	3300–3800
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<b>Gain, dBi</b>	8.2	8.4	9.5	9.5	9.2
<b>Beamwidth, Horizontal, degrees</b>	91	92	75	73	69
<b>Beamwidth, Vertical, degrees</b>	64	66	57	55	51
<b>Front-to-Back Ratio at 180°, dB</b>	16	21	21	22	16
<b>VSWR   Return loss, dB</b>	1.7   11.7	1.7   11.7	1.6   12.7	1.6   12.7	1.6   12.7
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	100	100	100	100	100

## Environmental Specifications

<b>Relative Humidity</b>	Up to 100%
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP65

## Packaging and Weights

<b>Height, packed</b>	245 mm   9.646 in
<b>Depth, packed</b>	93 mm   3.661 in
<b>Length, packed</b>	513 mm   20.197 in
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	1.14 kg   2.513 lb
<b>Weight, net</b>	0.53 kg   1.168 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

