

**Andrew Solutions**
CELLMAX-EXT-CPUSE**Cell-Max™ Directional Outdoor Antenna, 698–960 MHz and 1710–2700 MHz**

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1710–2200	2200–2700
Gain, dBi	10.0	11.4	11.0	11.0
Gain Tolerance, dB	±1.5	±1.5	±1.5	±1.5
Beamwidth, Horizontal, degrees	71	64	69	55
Beamwidth, Horizontal Tolerance, degrees	±5	±5	±9	±5
Beamwidth, Vertical, degrees	36.0	30.0	30.0	30.0
Beamwidth, Vertical Tolerance, degrees	±5	±5	±5	±5
Front-to-Back Ratio at 180°, dB	20	20	20	20
VSWR Return Loss, dB	1.8:1 10.9	1.8:1 10.9	1.8:1 10.9	1.8:1 10.9
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150
Input Power per Port, maximum, watts	100	100	100	100
Polarization	Vertical	Vertical	Vertical	Vertical
Impedance	50 ohm	50 ohm	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground	dc Ground	dc Ground

General Specifications

Antenna Type	Directional
Application	Outdoor
Operating Frequency Band	1710 – 2700 MHz 698 – 960 MHz
Brand	Cell-Max™
Mount Type	Poles between 30–55 mm with supplied clamps
Package Quantity	1

Mechanical Specifications

Color	White
Connector Interface	7-16 DIN Female
Radome Material	PVC, UV resistant

Environmental Specifications

Ingress Protection Test Method	IEC 60529:2001, IP66
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Dimensions

Height	98.00 mm 3.86 in
Length	620.00 mm 24.41 in

CELLMAX-EXT-CPUSE



Width 331.00 mm | 13.03 in
Net Weight 4.50 kg | 9.92 lb

Packed Dimensions

Height 162.00 mm | 6.38 in
Length 829.00 mm | 32.64 in
Width 349.00 mm | 13.74 in
Shipping Weight 6.50 kg | 14.33 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system