

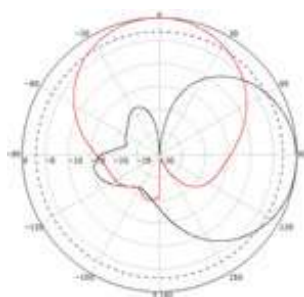
# **Cel-Fi™ Wideband MIMO Panel Antenna** CEL-FI™ Smart Cellular Coverage by NEXTIVITY™



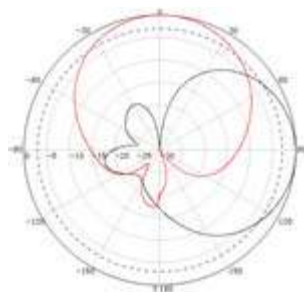
## Model: A52-X12-100

The A52-X12-100 is a dual-polarization LTE MIMO antenna for indoor or outdoor wall, ceiling, or pole mount installations. The antenna is designed to operate within the frequency ranges of 698-960 MHz and 1710-2700 MHz, providing optimized pattern coverage for DAS applications.

Used in conjunction with Nextivity's Antenna Positioning application, the A52-X12-100 is an ideal product to deliver the off-air donor signal for the Cel-Fi QUATRA product.



H-Plane



V-Plane

## FEATURES

- MIMO (LTE)
- Dual polarization (vertical/horizontal) design
- QMA quick-release connector
- Wideband coverage
- Low VSWR
- Aesthetically pleasing, low profile housing

## SPECIFICATIONS

### ELECTRICAL SPECIFICATIONS

Frequency Range	698-864 MHz	870-960 MHz	1710-1880 MHz	1920-2170 MHz	2200-2500 MHz	2490-2700 MHz
Gain	6.5 dBi	7.0 dBi	8.5 dBi	9.0 dBi	8.0 dBi	7.5 dBi
VSWR	≤2.0		≤1.8			
Polarization	±45°					
Isolation	23 dB					
Horizontal Beamwidth	78	73	65			60
Vertical Beamwidth	70		55/65		75/55	
Input Impedance	50 Ω					
Max.Power	100W		50W			
Lightning Protection	DC Ground					

### MECHANICAL SPECIFICATION

Connector	2 x QMA Right Angle Male with 2m Coax Cable
Dimension	315x195x68 mm
Shipping Dimensions	385x235x95 mm
Weight	0.95 kg
Reflector Material	Brass and PCB
Radome Material	ABS (UV Stabilized)
Operating Temperature	-40°C to +65°C
Pole Diameter	Ø38-Ø52 mm

Copyright © 2018 by Nextivity, Inc., U.S. All rights reserved. The Nextivity and Cel-Fi logos are registered trademarks of Nextivity Inc. All other trademarks or registered trademarks listed belong to their respective owners. Designed by Nextivity in California.  
 brief-antenna-mimo-eng\_18-0420