# Cel-Fi™ Wideband MIMO Panel Antenna
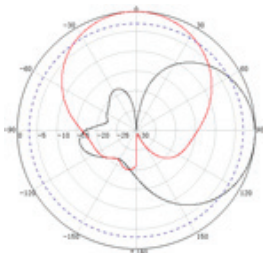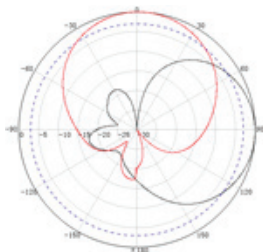
## Smart Cellular Coverage

## Model#: A52-X12-100
## A52-X12-101

The Wideband MIMO Panel Antenna 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 Wideband MIMO is an ideal product to deliver the off-air donor signal, or to direct coverage from the Coverage Unit (CU), for the Cel-Fi QUATRA 1000 and QUATRA 2000.

## FEATURES

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

## SPECIFICATIONS

### ELECTRICAL SPECIFICATIONS

| Frequency Range (MHz) | 698–864 | 870–960 | 1710–1880 | 1920–2170 | 2200–2500 | 2490–2700 |
|---|---|---|---|---|---|---|
| Gain (dBi) | 6.5 | 7.0 | 8.5 | 9.0 | 8.0 | 7.5 |
| 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 ohm | | | | | |
| Max.Power | 100W | | 50W | | | |
| Lightning Protection | DC Ground | | | | | |

### MECHANICAL SPECIFICATION

| | |
|---|---|
| Model Number: A52-X12-100 | Connector: QMA-Male |
| Model Number: A52-X12-101 | Connector: N-type Femal |
| Dimension | 315×195×68 mm |
| Shipping Dimensions | 385×235×95 mm |
| Weight | 0.95 kg |
| Reflector Material | Brass and PCB |
| Radome Material | ABS (UV Stabilized) |
| Operating Temperature | -40°C to +65°C |



H-Plane



V-Plane

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