

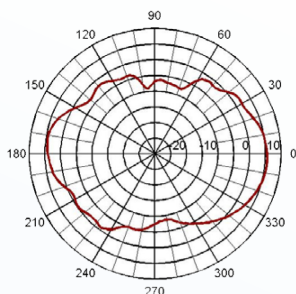
## 2.4 GHz Terrace Diversity Antenna



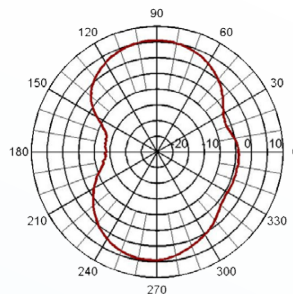
### 2.4 GHz DIRECTIONAL IN-BUILDING TERRACE DIVERSITY ANTENNA

The widespread use of cellular phones and wireless network applications inside buildings has increased the need for antenna systems that can provide considerable gain over traditional dipole antennas.

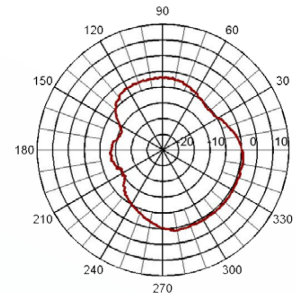
Laird Technologies' in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most applications.



Azimuth Plane



Elevation Plane  
 $\phi=0$



Elevation Plane  
 $\phi=90$

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# IDD2450

## 2.4 GHz Terrace Diversity Antenna

### INDOOR

| MODEL #       | REFERENCE # | PLENUM RATED COAX | CABLE EXIT | CONNECTOR    |
|---------------|-------------|-------------------|------------|--------------|
| IDD2450-RT36  | CAF95988    | 36" RG-142        | Back       | RP-TNC x 2   |
| IDD2450-NF12  | CAF94177    | 12" RG-142        | Back       | N-Female x 2 |
| IDD2450-NF36  | CAF94489    | 36" RG-142        | Back       | N-Female x 2 |
| IDD2450-RT07E | CAF94139    | 7" RG-142         | Edge/side  | RP-TNC x 2   |
| IDD2450-RT36E | CAF94430    | 36" RG-142        | Edge/side  | RP-TNC x 2   |

### MARINE-RATED

| MODEL #       | REFERENCE # | PLENUM RATED COAX | CABLE EXIT | CONNECTOR  |
|---------------|-------------|-------------------|------------|------------|
| IDN2450-RT07  | CAF94117    | 7" RG-142         | Back       | RP-TNC x 2 |
| IDN2450-RT07E | CAF94159    | 7" RG-142         | Edge/side  | RP-TNC x 2 |

| SPECIFICATIONS                |                     |
|-------------------------------|---------------------|
| Element Type                  | Air-Loaded Patch    |
| Frequency Range               | 2.4 – 2.5 GHz       |
| Peak Gain                     | 5 dBi               |
| Polarization <sup>1</sup>     | Linear              |
| Impedance                     | 50 ohms             |
| Maximum Input Power           | 50 watts            |
| VSWR (Min. Performance)       | 2.0:1               |
| Dimensions (L x W x H)        | 18.3 x 6.9 x 2.5 cm |
| Housing                       | ABS and Luran       |
| Operating/Storage Temperature | -40° to +70°C       |

### MOUNTING OPTIONS

- Wall-mounted with included screws and bracket

ANT-DS-IDD2450 0609

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