Laird TECHNOLOGIES

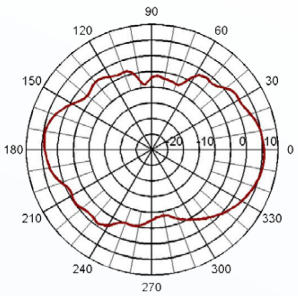
Innovative **Technology** for a **Connected** World

IDD2450
2.4 GHz Terrace Diversity Antenna

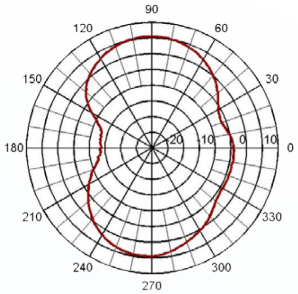
2.4 GHz DIRECTIONAL IN-BUILDING TERRACE DIVERSITY ANTENNA

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.

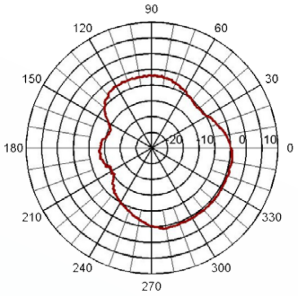
Laird Technologies' in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most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



Azimuth Plane



Elevation Plane
phi=0



Elevation Plane
phi=90

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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[1]	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