

**2.4 GHz DIRECTIONAL IN-BUILDING WHISPER 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.

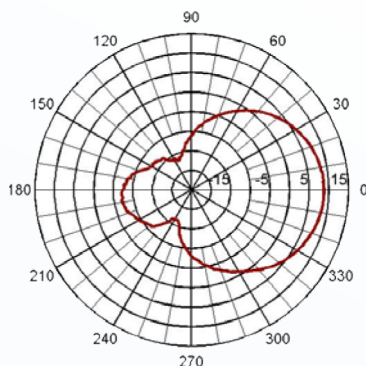
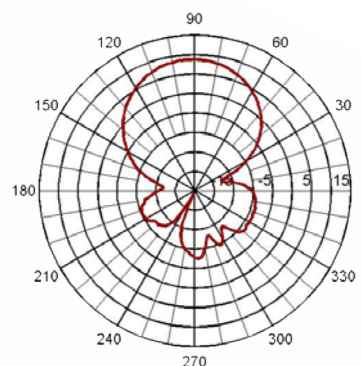
Laird Technologies' in-building wireless antennas are particularly applicable in environments where aesthetics and wide angle coverage are necessary for successful wireless deployment. Their surprisingly small size allow the antennas to be hidden almost anywhere, providing an invisible solution for most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

FEATURES

- Self contained in its durable sleek radome, the Whisper is designed to blend in anywhere - residential, campus, or commercial
- Inexpensive yet reliable, the Whisper utilizes Laird Technologies' patented technology to achieve maximum efficiency

MARKETS

- Typical applications include wireless local loop, in-building wireless (voice and data), ULAN, DECT, WPBX, and broadband internet access

**Azimuth Plane****Elevation Plane**
phi=0**global solutions: local support™**

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MODEL #	REFERENCE #	PLENUM RATED COAX	CONNECTOR
ID2450-NF12	CAF95998	12" RG-142	N-Female
ID2450-NF36	CAF94493	36" RG-142	N-Female
ID2450-RN12	CAF95972	12" RG-142	RP-N-Female
ID2450-NM06	CAF95963	6" RG-142	N-Male
ID2450-NM12	CAF95964	12" RG-142	N-Male
ID2450-NM18	CAF95965	18" RG-142	N-Male
ID2450-NM24	CAF95966	24" RG-142	N-Male
ID2450-NM36	CAF95967	36" RG-142	N-Male
ID2450-NM48	CAF95968	48" RG-142	N-Male
ID2450-NM60	CAF95969	60" RG-142	N-Male
ID2450-RT06	CAF95957	6" RG-142	RP-TNC
ID2450-RT12	CAF95958	12" RG-142	RP-TNC
ID2450-RT18	CAF95959	18" RG-142	RP-TNC
ID2450-RT24	CAF95960	24" RG-142	RP-TNC
ID2450-RT36	CAF95950	36" RG-142	RP-TNC
ID2450-RT48	CAF95961	48" RG-142	RP-TNC
ID2450-RT60	CAF95962	60" RG-142	RP-TNC
ID2450-RT120	CAF94601	120" RG-142	RP-TNC
ID2450-RS36	CAF95990	36" RG-142	RP-SMA-Male
ID2450-RS60	CAF94379	60" RG-142	RP-SMA-Male

SPECIFICATIONS

Element Type	Air-Loaded Patch
Frequency Range	2.4 – 2.5 GHz
Peak Gain	9 dBi
Polarization ¹	Linear
Azimuth 3dB Beamwidth	60°
Elevation 3dB Beamwidth	60°
Impedance	50 ohms
Maximum Input Power	50 watts
VSWR (Min. Performance)	1.5:1
Dimensions (L x W x H)	12.9 x 12.9 x 2.22 cm
Housing	ABS
Operating/Storage Temperature	-40° to +70°C

MOUNTING OPTIONS

- Velcro and screws included
- Indoor Optional Brackets: 2" Indoor Pan/Tilt Mount (IMI-02B) and 5" Indoor Pan/Tilt Mount (IMI-05B)



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