

DB471N-XY is available for interior/exterior use, with up to 5.5 dBd gain and high directivity in a single direction for large elongated areas that require coverage.

This MicroFill Antenna radiates signals inside buildings, tunnels and other structures to improve coverage so that portable cellular phones can be used without co-channel interference, dropped calls, fading or poor voice quality.

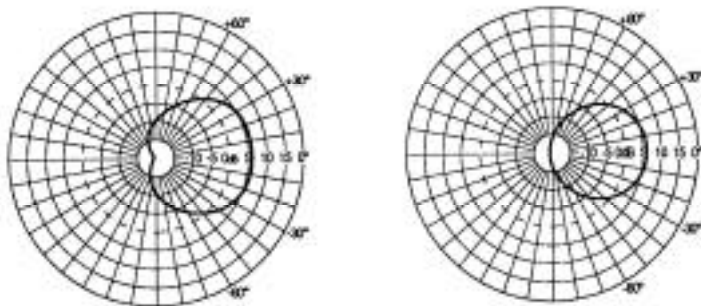
- **RF Sources** – Cellular signals can be fed to the antennas from repeater-amplifiers, such as PrismPlus® and MicroLite®.
- **Signal Distribution** – New or existing 50 ohm CATV, LANS or TV coaxial cable can carry signals to the antennas.
- **Applications** – MicroFill antennas can serve buildings and structures with no coverage as well as those that are already covered, where coverage continues but with reduced power and interference.
- **Customized** – A variety of gain and radiation patterns permits signals to be custom fitted to the use areas, whether offices, meeting rooms or hallways.
- **Small and Inconspicuous** – Specially designed radiation elements are enclosed inside tough plastic radomes, whose off-white color blends with walls and ceilings.



DB471N-XY  
Indoor/Outdoor Antenna

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Typical Pattern



Horizontal

Vertical

Electrical Data

Frequency range– MHz	806-960
VSWR	<1.5:1
Nominal impedance – ohms	50
Gain (over half-wave dipole) – dB	5.5
Maximum power input – watts	125
Front-to-back ratio – dB	30
Beamwidth “E” plane (half power)	65°
Beamwidth “H” plane (half power)	110°
Lightning protection	Direct ground
Standard termination	7/16 DIN