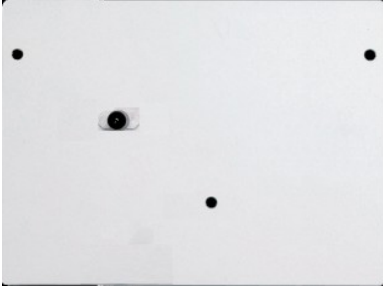


CFS69271 3G/4G MicroSphere Multiband In-Building Antenna



MULTI-BAND OMNIDIRECTIONAL IN-BUILDING 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 and low profile allow the antennas to be hidden almost anywhere, providing an invisible solution for most applications.

FEATURES

- Applicable for both 3G and 4G solutions
- Global LTE 2600 band
- WiMax 2100/2300/2500
- Domestic Cellular and Global GSM
- Surface Mount Connector
- Conformance to RoHS

APPLICATIONS

- Broadband wireless access service provider
- Campus, healthcare, or transportation terminals
- Indoor Stadium, industrial plants, and processing stations
- Public Safety Radio

BENEFITS

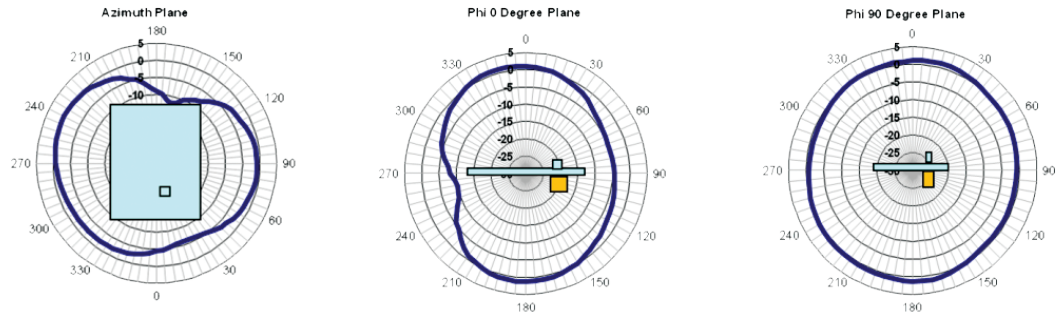
- Surprisingly small size allows it to be hidden almost anywhere, providing an invisible solution for many applications
- The field pattern is toroidal, providing omnidirectional coverage in any plane around the long axis of the antenna, and two lobes in any plane parallel to the long axis.

PARAMETER	
Frequency (MHz)	698-806, 824-960, 1710-1880, 1850-1990, 1920-2170, 2100-2500, 2500-2700
Gain (dBi)	
	698-960 MHz 1.5
	1710-2170 MHz 3.0
	2500-2700 MHz 4.5
Average Efficiency	
	698-960 MHz 80%
	1710-2170 MHz 85%
	2500-2700 MHz 85%
VSWR	2.1 max across all bands (Typical)
Polarization	Linear
3 dB Beamwidth (H-plane)	Omnidirectional
Nominal Impedance	50 Ohms
Max Input Power	50 Watts
Dimension	100 x 164 x 1.6 mm
Operating/Storage Temperature	-40° to 70°C

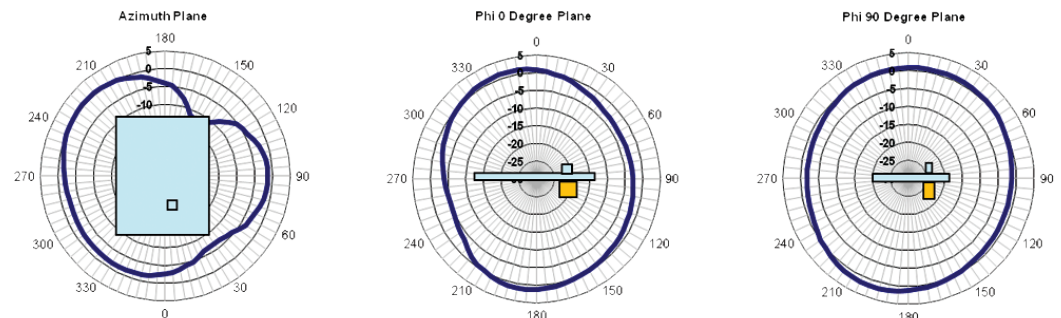
CONNECTORS

PART NO.	CONNECTOR
CFS69271-FNF	Surface Mount N-Female
CFS69271-FSMAF	Surface Mount SMA Female

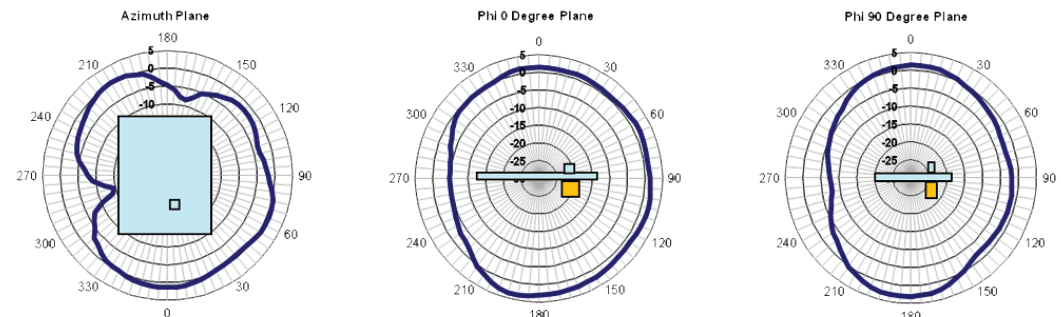
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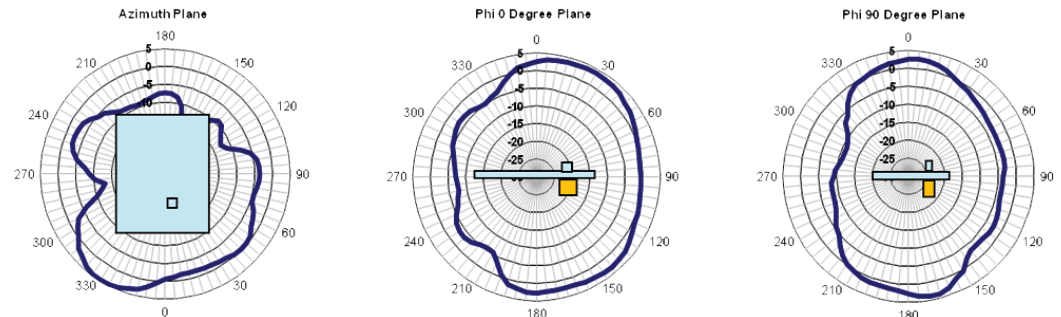
698 MHz



880 MHz



1910 MHz



2600 MHz

ANT-DS-CFS69271 0313

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