

## 698-960 MHz/1695-2700 MHz Low Profile Ceiling Mount Antenna



Patent Pending CLS69273

### MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CLS69273 is an indoor wideband omnidirectional low profile ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor coverage requirements at 698-960 MHz, and 1695-2700 MHz for the GSM, DCS, UMTS, AWS-3 and LTE/WiMAX frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location. The pattern is also very uniform and symmetrical, providing system integrators with the ability to precisely determine cell size.

### FEATURES

- Low profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Performance optimized using Laird proprietary RF optimization tools
- Excellent flame rating
- Supports AWS-3 Frequency Band

### MARKETS / APPLICATIONS

- Small Cells
- Meeting rooms
- Offices
- Hotels
- Museums
- iDAS
- Libraries
- Retail malls
- Bus terminals & train stations
- Other in-building areas

### STANDARD CEILING MOUNT



Twist & Lock Ceiling Mount: HKIT-CMx-003

### OPTIONAL CEILING MOUNTS



Above Ceiling Mount: HKIT-CMx-001



Hard Ceiling Mount: HKIT-CMx-002



Above Ceiling Mount - Foam Standoff w/Adhesive:  
HKIT-CMx-004

PARAMETERS				SPECIFICATIONS					
Frequency Bands, MHz	698-806	824-894	880-960	1695-1880	1850-1990	1910-2170	2300-2500	2500-2700	
Peak Gain, dBi (Typ)	2.7	2.6	3.5	5.4	6.4	6.5	6.2	6.8	
Peak Gain, dBi (Max)	3.0	3.0	4.1	5.6	7.0	7.0	6.7	7.3	
VSWR, Typ	<1.6:1	<1.5:1	<1.8:1	<1.7:1	<1.7:1	<1.7:1	<1.5:1	<1.3:1	
VSWR, Max	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	
Nominal Impedance	50Ω								
Polarization	Vertical								
Max Power (Ambient 25°C)	50 Watts								
Azimuth Beamwidth	Omnidirectional								
Antenna Dimension (Dia x Ht)	250 x 47.5 mm (9.84" x 1.87")								
Weight	Approx. 0.45 kg (0.99 lbs)								
Operating Temperature	-30°C to +70°C								
Storage Temperature	-40°C to +85°C								
Radome	PC / ABS, White								
Mounting	Ceiling mount (drywall or tile flush mount)								
Flammability Rating (Radome)	UL94 V-0 Rating								
Material Substance Compliance	RoHS								

PART NUMBER	CABLE LENGTH	CONNECTOR
CLS69273-30NF	30 cm (12")	Type N- female
CLS69273-B30NF	30 cm (12")	Type N-female

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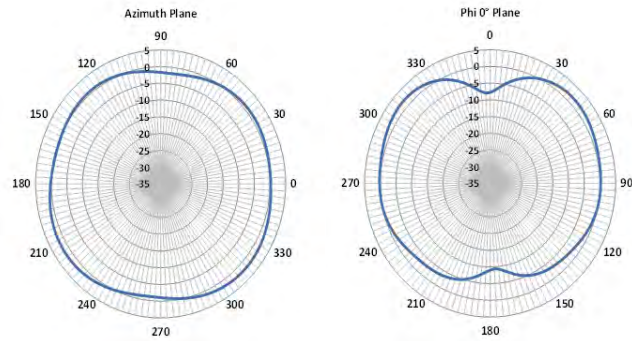
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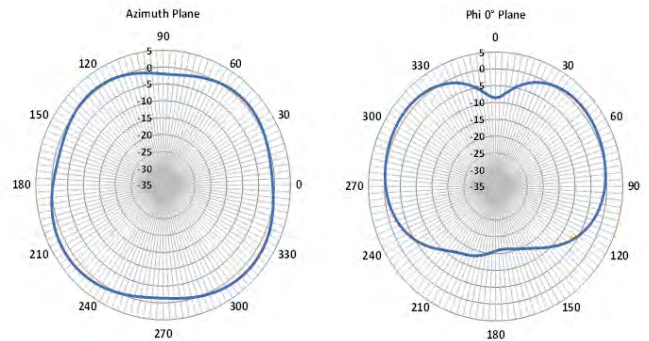
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## PATTERNS

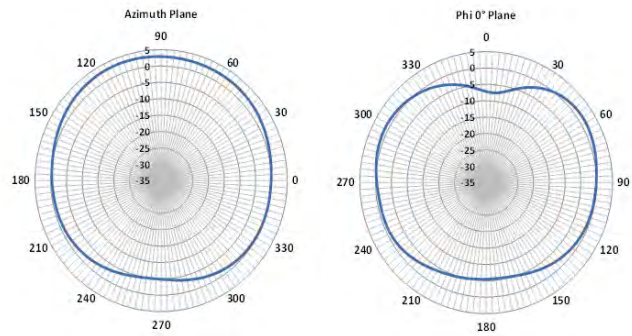
**698 MHz**



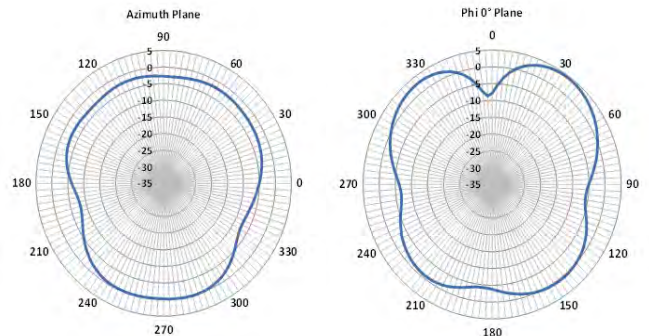
**824 MHz**



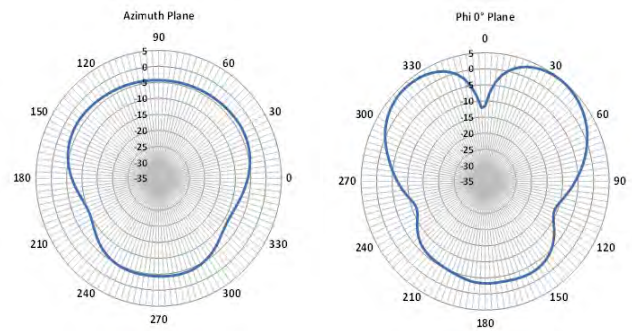
**960 MHz**



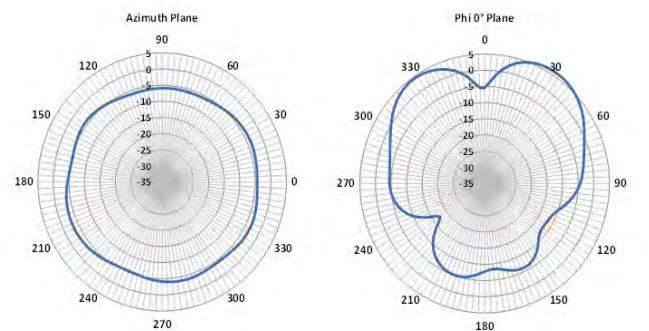
**1710 MHz**



**1880 MHz**

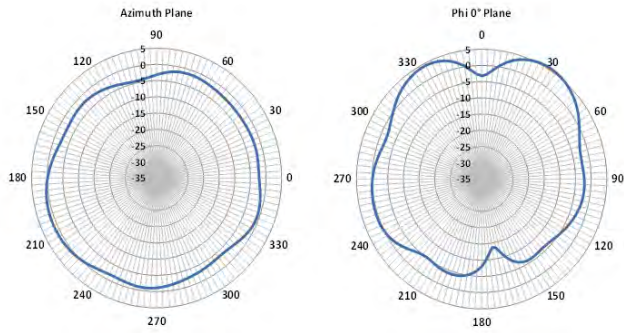


**2110 MHz**

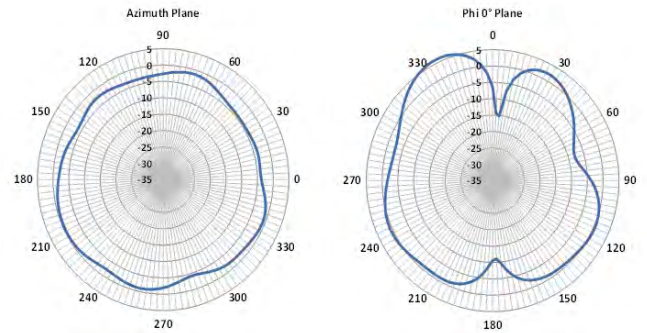


**698-960 MHz/1695-2700 MHz  
Low Profile Ceiling Mount Antenna**

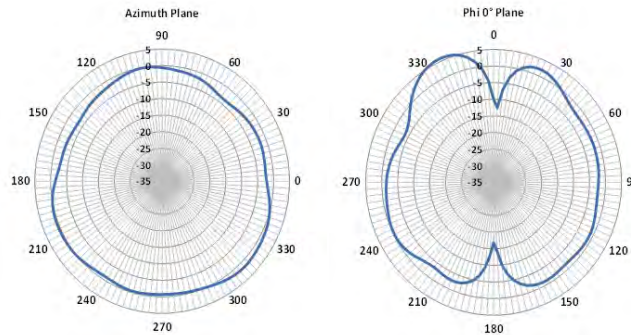
**2305 MHz**



**2507 MHz**



**2700 MHz**



ANT-DS-CLS69273 020316

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