



Smart Technology. Delivered.

CLS69273P

698-960 MHz/1690-2700 MHz

Low Profile / Low PIM Ceiling Mount Antenna



Patent Pending CLS69273P

MULTI-BAND LOW PIM CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CLS69273P is a Low PIM 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	<1.8:1	<1.6:1	<1.7:1	<1.9:1	<1.9:1	<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
PIM, 3rd Order, 2 x 20 Watt (Typ)	< -156 dBc			< -156 dBc				
PIM, 3rd Order, 2 x 20W (Max)	< -150 dBc			< -150 dBc				
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
CLS69273P-30NF	30 cm (12")	Type N- female
CLS69273P-30D41F	30 cm (12")	4.1-9.5 female
CLS69273P-30D43F	30 cm (12")	4.3-10 female
CLS69273P-B30NF	30 cm (12")	Type N- female
CLS69273P-B30D41F	30 cm (12")	4.1-9.5 female
CLS69273P-B30D43F	30 cm (12")	4.3-10 female

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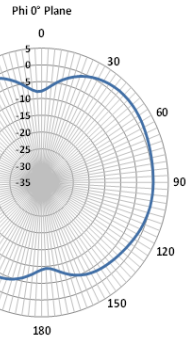
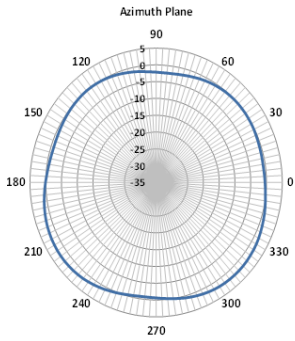
CLS69273P

698-960 MHz/1690-2700 MHz

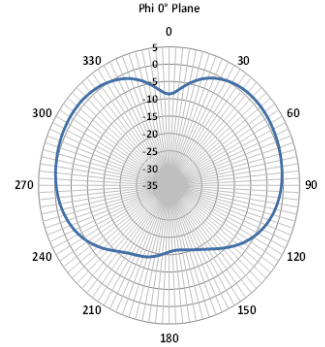
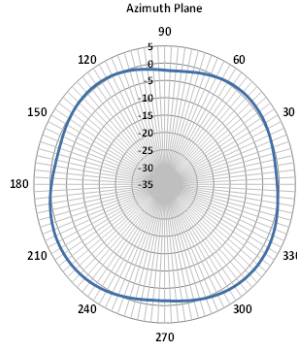
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PATTERNS

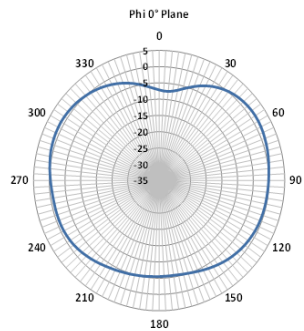
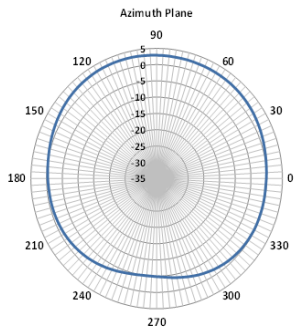
698 MHz



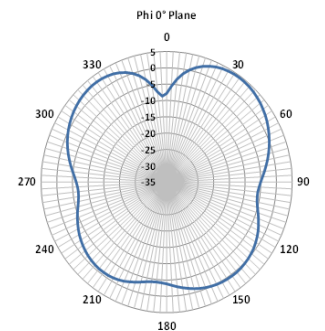
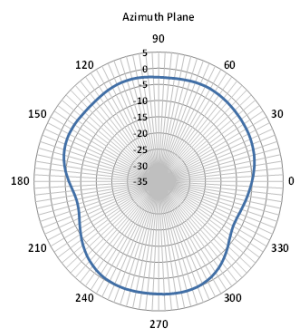
824 MHz



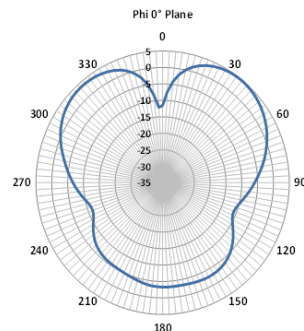
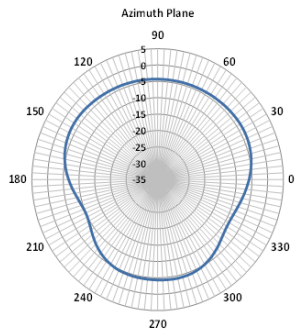
960 MHz



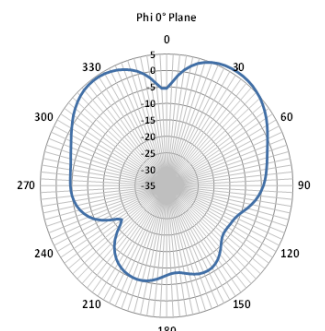
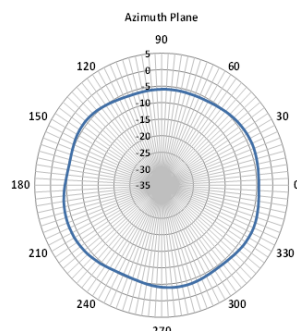
1710 MHz



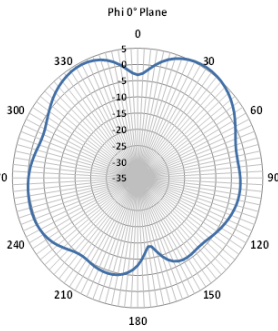
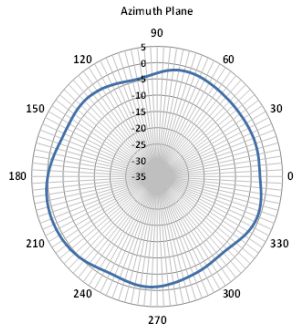
1880 MHz



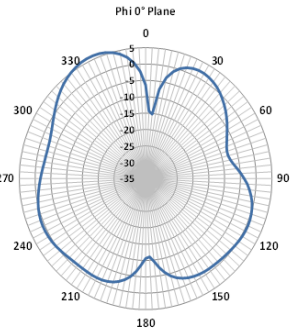
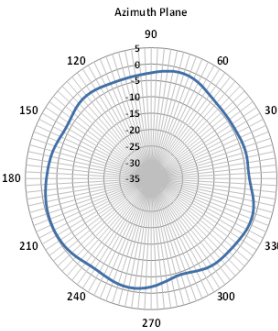
2110 MHz



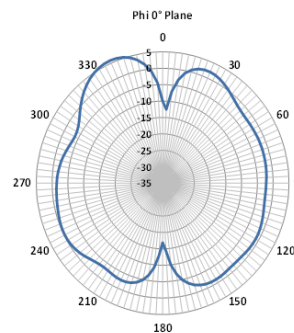
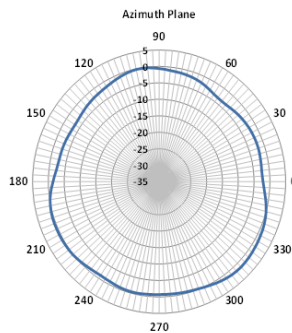
2305 MHz



2507 MHz



2700 MHz



ANT-DS-CLS69273P 022416

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