

Low Profile / Low PIM Ceiling Mount Antenna



Patent Pending CLS69273P

MULTI-BAND LOW PIM CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CLS69273P is an 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, 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

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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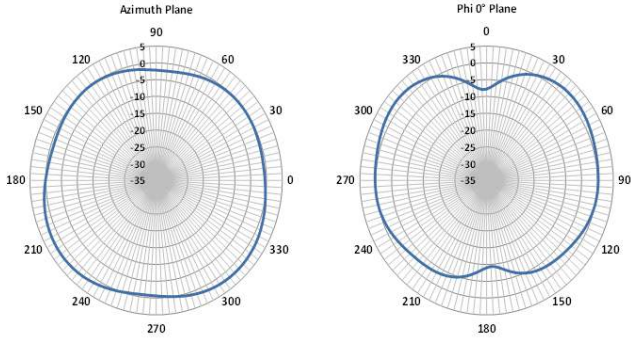
CLS69273P

698-960 MHz/1695-2700 MHz

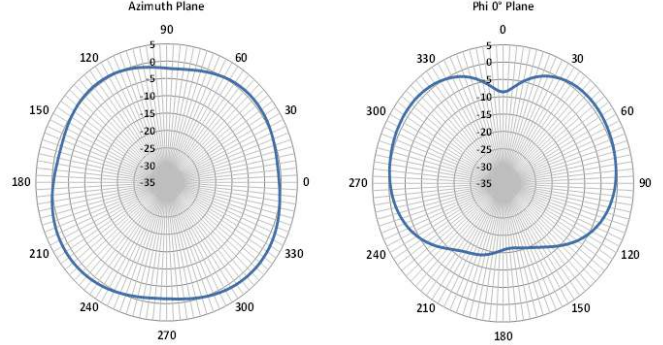
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PATTERNS

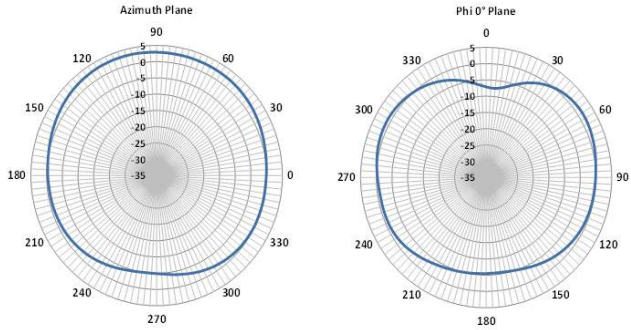
698 MHz



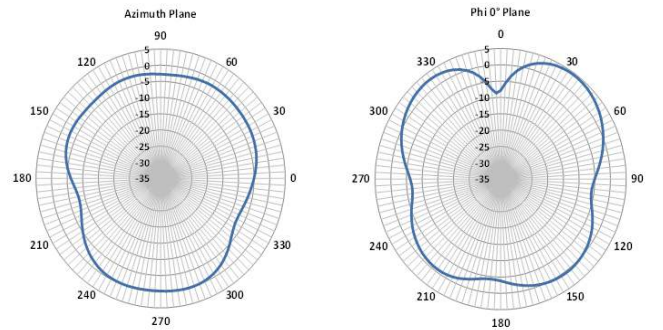
824 MHz



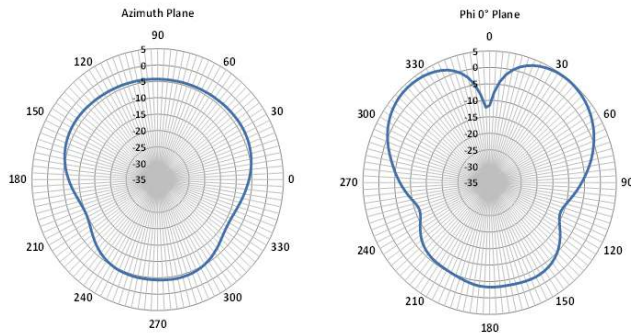
960 MHz



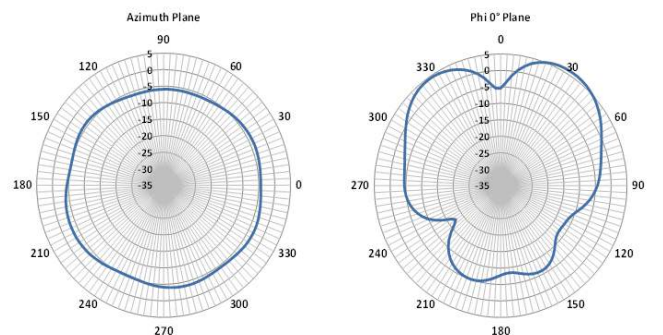
1710 MHz



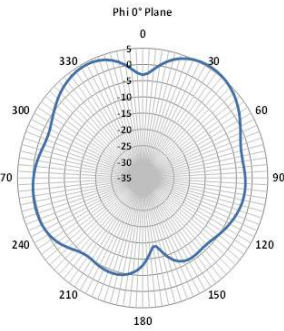
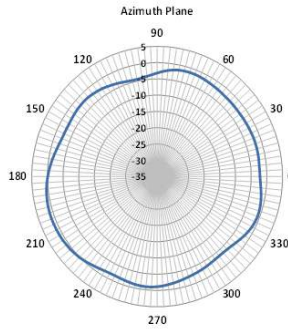
1880 MHz



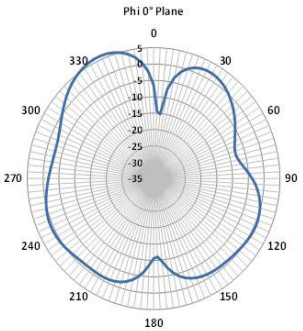
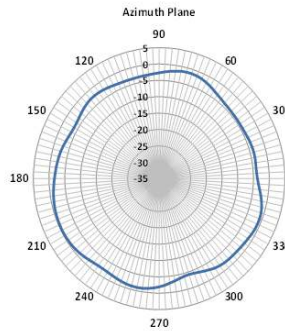
2110 MHz



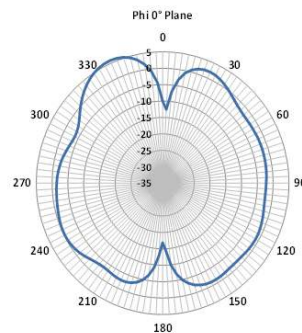
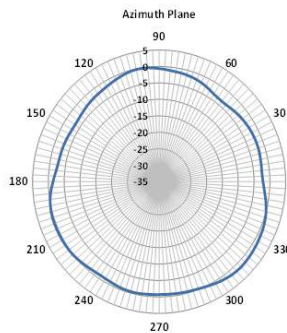
2305 MHz



2507 MHz



2700 MHz



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