

CMS38606

380 to 960 MHz/1395 to 6000 MHz Ceiling Mount Omnidirectional Antenna



Patent Pending
CMS38606-30NF

MULTI-BAND CEILING MOUNTED OMNIDIRECTIONAL ANTENNA

The CMS38606 is an indoor broadband omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 380-520 MHz, 600-960 MHz, 1395-1435 MHz and 1690-6000 MHz frequency bands. The antenna features a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.

FEATURES

- Low Profile aesthetically neutral housing
- Mounts directly and easily to ceiling tile
- Performance optimized using Laird proprietary RF optimization tools
- Excellent flame retardancy rating
- IP67 rated ingress protection and RoHS compliant
- Broadband product with provision for the UHF, 600 MHz, 1390-1432 MHz and AWS-3 bands in a single solution.

MARKETS

- Public Safety DAS
- In-Building wireless
- Neutral host providers
- Cellular & LTE
- Small cells

BENEFITS

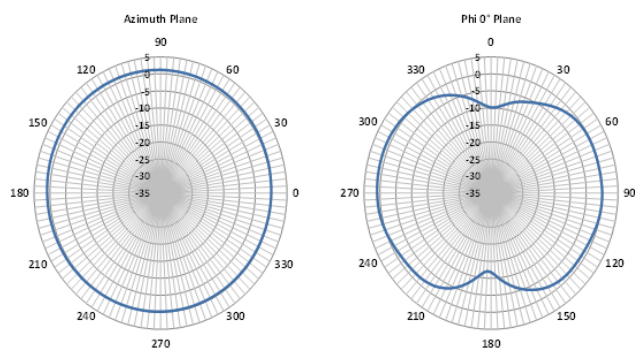
- Attractive, compact design and form factor ideal for indoor solution applications.
- Compliant with in-building International Fire Code (IFC) & National Fire Protection Association (NFPA) regulations.

PARAMETER	SPECIFICATIONS						
Frequency Bands, MHz	380-520	600-806	806-960	1395-1435	1690-2200	2200-4300	4300-6000
Peak Gain, dBi (Typ)	1.7	1.9	2.8	5.7	6.1	6.2	5.5
Peak Gain, dBi (Max)	2.6	3.1	3.1	5.8	6.7	7.3	6.0
VSWR (Typ)	<2.9:1	<1.8:1	<2.0:1	<1.5:1	<1.6:1	<1.9:1	<1.7:1
VSWR (Max)	<3.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1	<2.0:1
Nominal Impedance	50 Ω						
Polarization	Vertical						
Azimuth Beam Width	360°, Omnidirectional						
Max Power (Ambient 25°C/77°F)	50 Watts						
Cable Length/Connector	30 cm (12") Type N-female						
Antenna Dimension (Ht x Dia)	133 x 298 mm (5.23" x 11.7")						
Weight	0.8 kg (1.76 lbs)						
Antenna Color	White						
Radome	PC, UV Stable, UL94-V0 Material						
Operating Temperature (°C)	-30° C to +70° C						
Storage Temperature (°C)	-40° C to +85° C						
Ingress Protection	IP67						
RoHS Compliance	Yes						

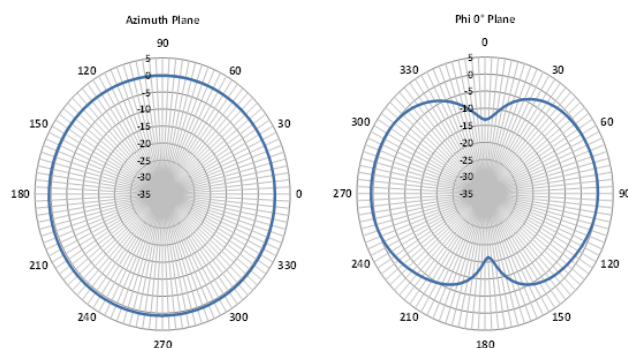
380 to 960 MHz/1395 to 6000 MHz
Ceiling Mount Omnidirectional Antenna

RADIATION PATTERNS

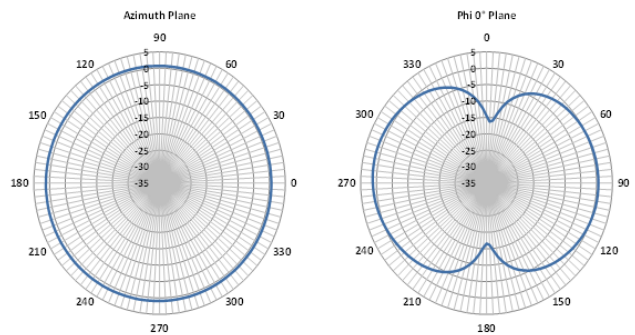
400 MHz



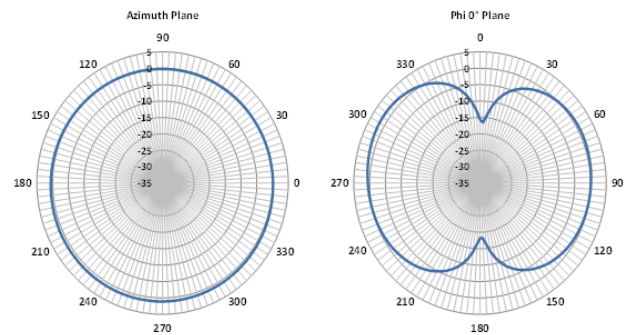
520 MHz



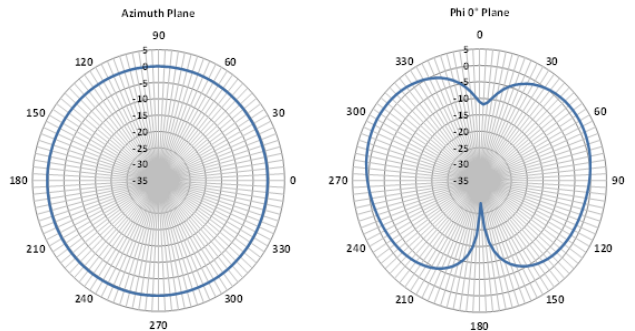
600 MHz



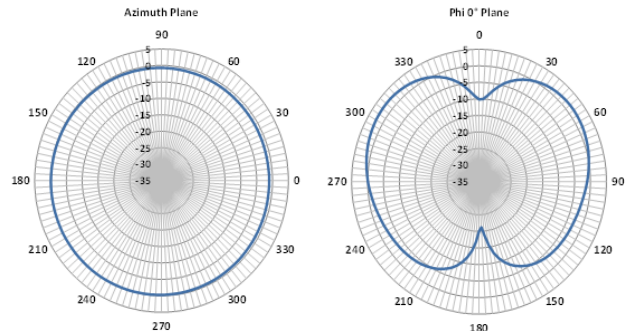
698 MHz



850 MHz



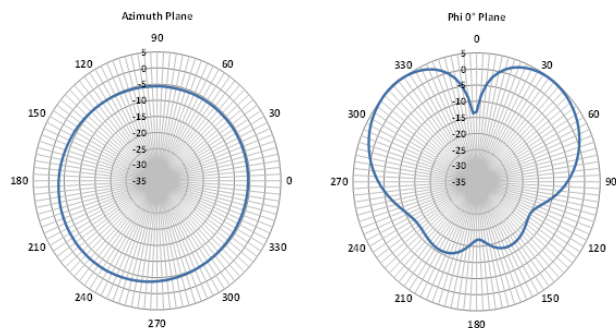
960 MHz



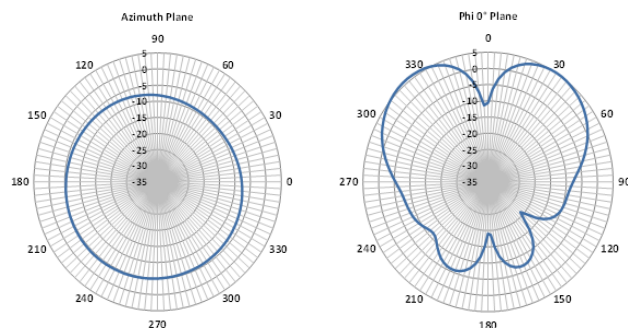
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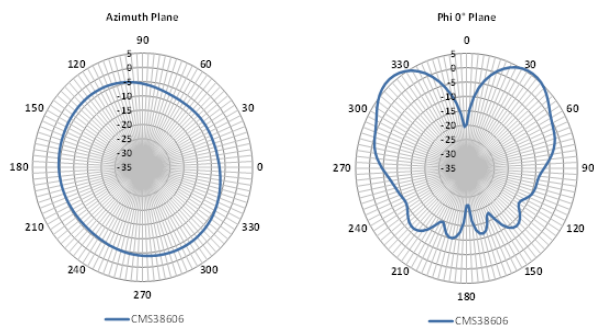
1395 MHz



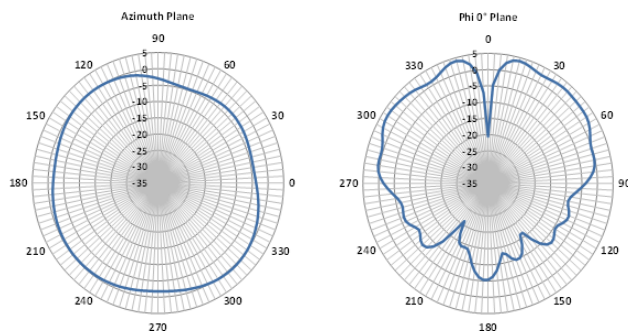
1690 MHz



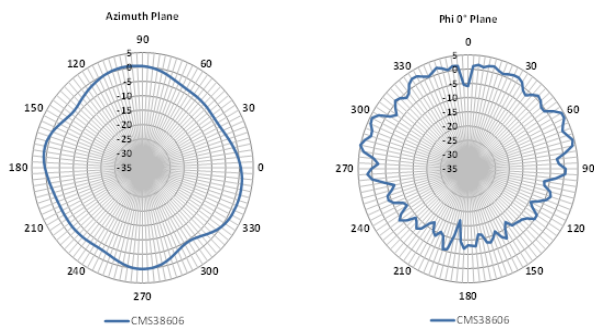
2700 MHz



4300 MHz



5950 MHz



ANT-DS-CMS38606 0715

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