



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 AND BENEFITS

- Low profile aesthetically-neutral housing
- Mounts directly and easily to ceiling tile
- Performance optimized using Laird proprietary RF optimization tools
- IP67 rated ingress protection and RoHS compliant
- Compliant with in-building International Fire Code (IFC) and National Fire Protection Association (NFPA) regulations.
- Broadband product with provision for the UHF, 600 MHz, 1390-1432 MHz and AWS-3 bands in a single solution

### ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	380-520	600-806	806-960	1395-1435	1690-2200	2200-4300	4300-6000
VSWR – Avg	<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
Peak Gain - Avg (dBi)	1.7	1.9	2.8	5.7	6.1	6.2	5.5
Peak Gain - Max (dBi)	2.6	3.1	3.1	5.8	6.7	7.3	6.0
Nominal Impedance (Ohms)	50						
Max Power - Ambient 25°C (W)	50						
Polarization	Vertical						
Horizontal Plane 3 dB Beamwidth	360°, Omnidirectional						

### MECHANICAL SPECIFICATIONS

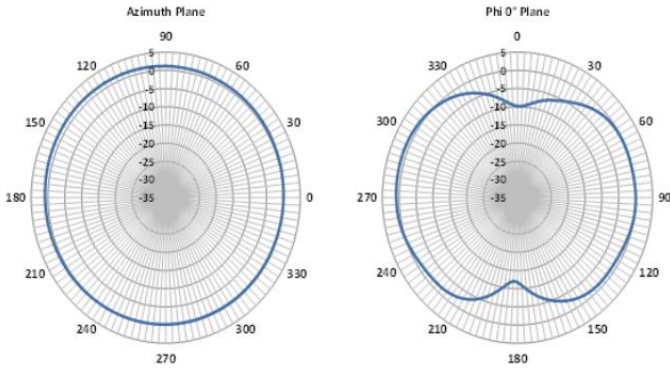
Dimensions – diameter x height – mm (inches)	133 x 298 (5.23 x 11.7)
Weight – kg (lbs.)	0.8 (1.76)
Cable Type	30 cm (12") Type N-female
Radome Material	PC, UV Stable, UL94-V0 Material
Antenna Color	White

### ENVIRONMENTAL SPECIFICATIONS

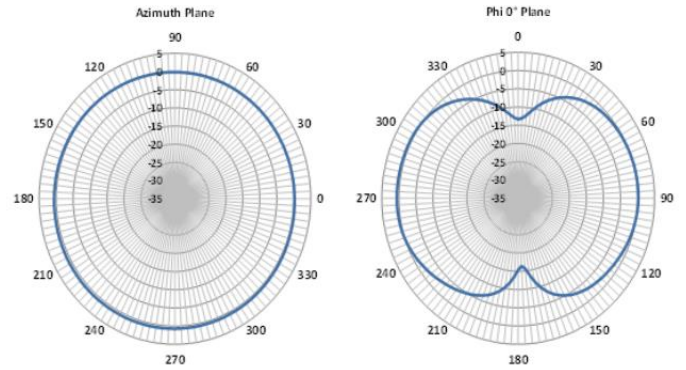
Operating Temperature – °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
Ingress Protection Rating	IP67
Material Substance Compliance	RoHS

RADIATION PATTERNS

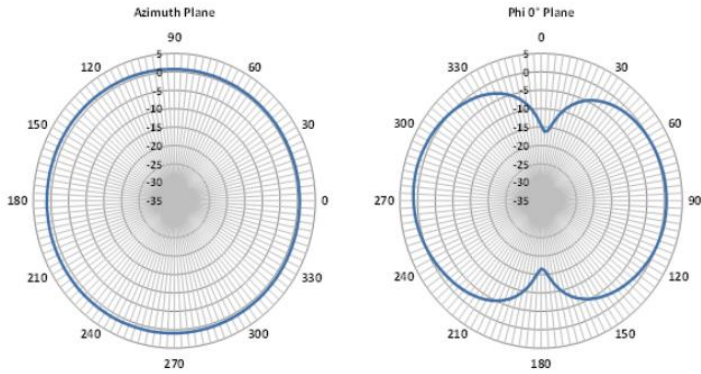
400 MHz



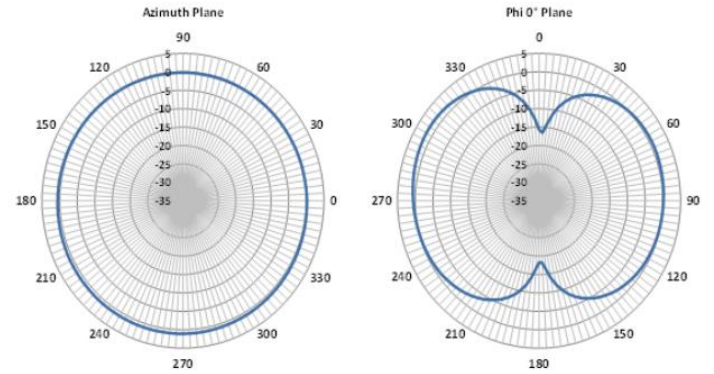
520 MHz



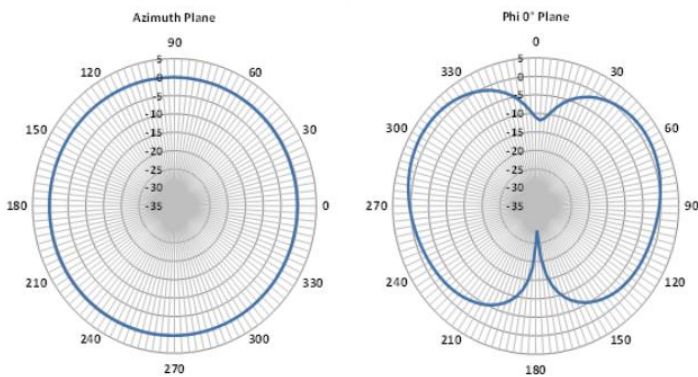
600 MHz



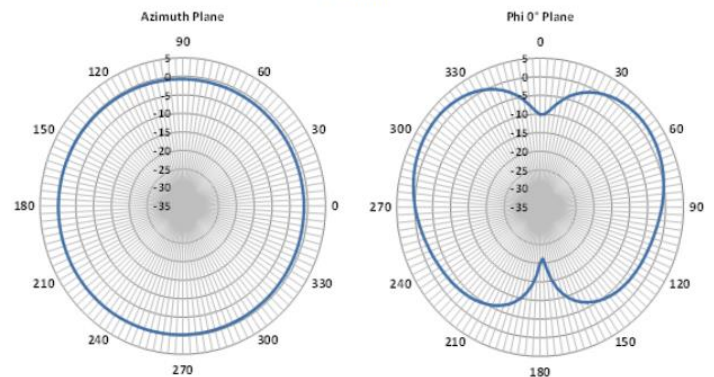
698 MHz



850 MHz

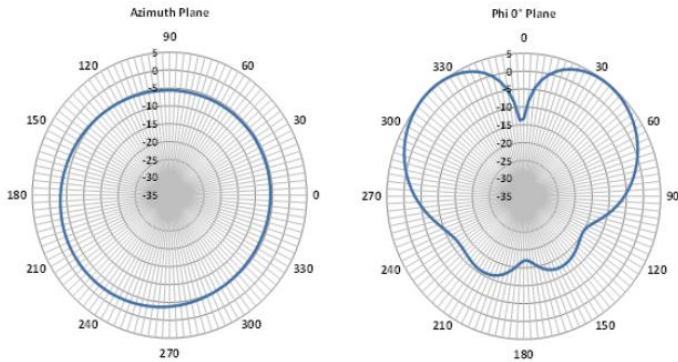


960 MHz

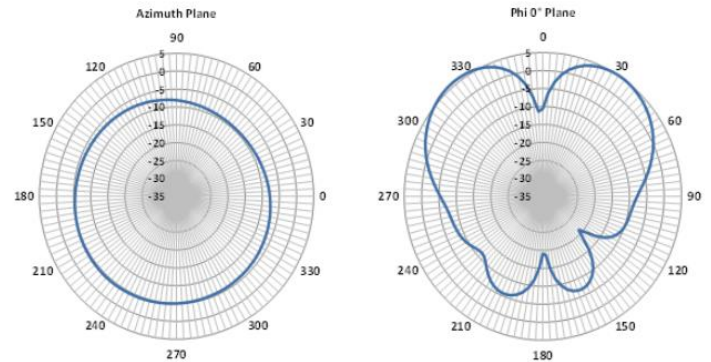


RADIATION PATTERNS (continued)

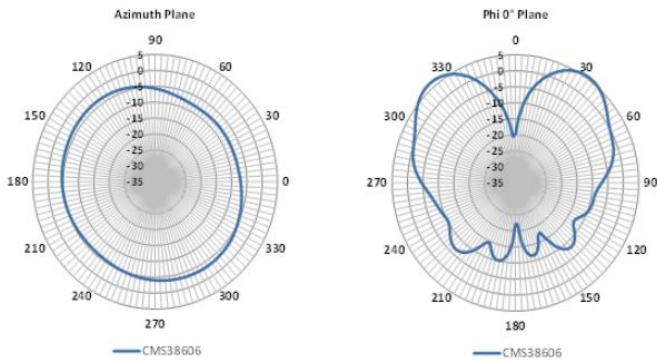
1395 MHz



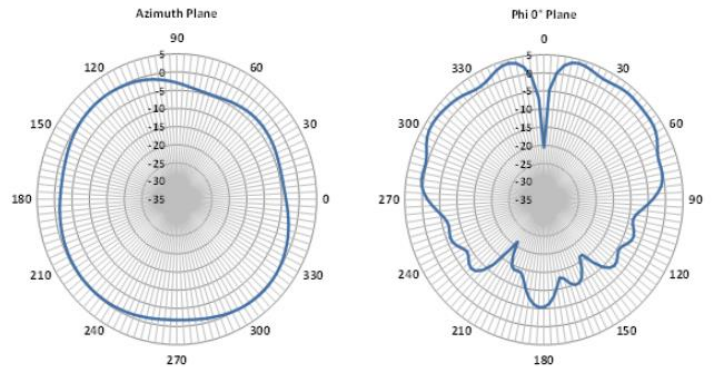
1690 MHz



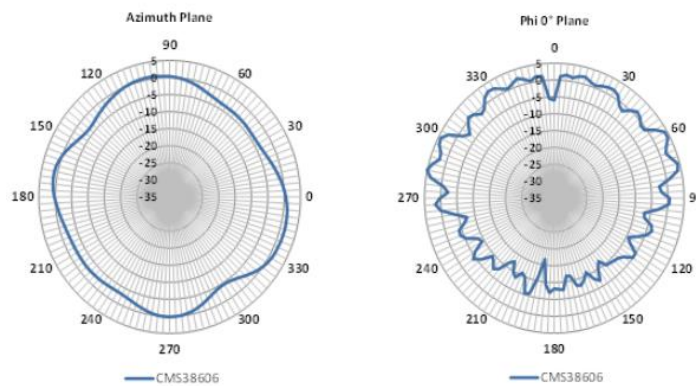
2700 MHz



4300 MHz



5950 MHz



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