

Low PIM Ceiling Antenna

CM-7-60-4310

PANORAMA ANTENNAS

CELLPOWER



Discreet ceiling mount design

Highly efficient wideband coverage

Concealed screw fixings

Low PIM and SAR tested to EN50385:2002

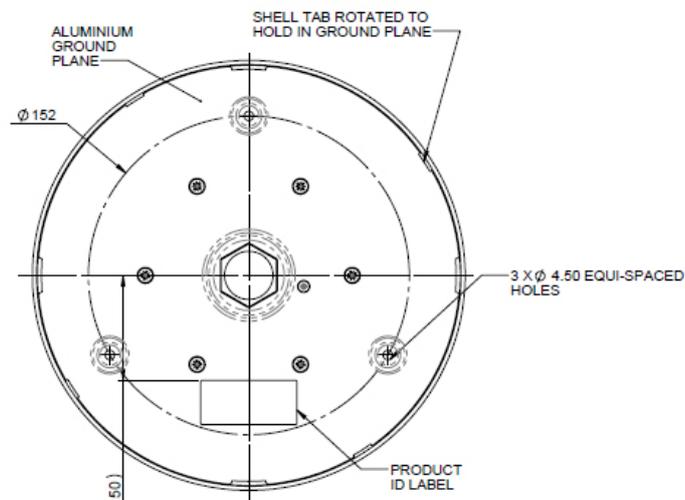
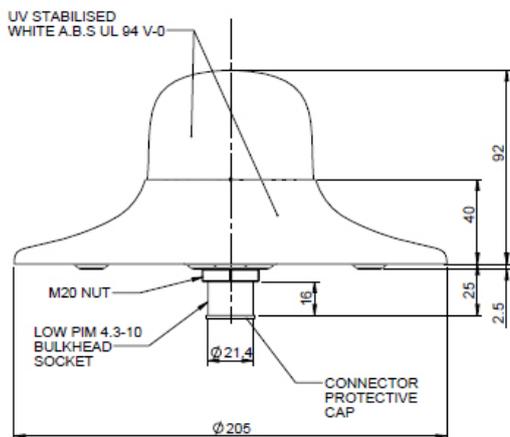
The CM-7-60-4310 ceiling antenna is a compact and subtle way to provide optimum in-building or DAS coverage for the networks of today and tomorrow. Concealed beneath the antenna housing is a highly efficient wideband element capable of supporting 2G/3G/4G/WLAN and WIMAX networks from 698-960MHz and 1710-6000MHz.

Suitable for indoor or outdoor use the antenna only requires one mounting hole for installation but offers additional screw fixing holes located beneath a rotating valance. The antenna is ground plane independent and can be fitted onto both thick and thin ceiling tiles.



This product features Panorama Antennas' PIM Guard Technology and will typically meet or exceed a third order intermodulation level of > -150dBC (2 x 43 dBm).

Technical Drawing



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Product Data

Part No.

CM-7-60-4310

Electrical Data

Frequency Range (MHz) 698-960 / 1500-6000

Operational bands 2G/3G/4G/WLAN/WIMAX

Radiation pattern Omni-directional

VSWR <2.5:1

Peak Gain 698-960MHz 2dBi

1710-2170MHz 5dBi

2200-6000MHz 7dBi

Typical Passive intermod. (2x20W, 3rd ord.) dBc* ≤-150

SAR & 'Touch Safe' Test Data According to 50385:2002 (Bands: 850,900,1800,2100,2600 MHz)

Max input power (W) 50 Watts

Impedance 50Ω

Mechanical Data

Dimensions (mm) Height 93 (3.6")

Diameter 205 (8")

Operating temp (°C) -30° / +70°C (-22° / 158°F)

Material U.V. Stabilised flame retardant ABS, aluminium base plate

Colour White

Mounting Data

Fixing 3 x 4.5mm fixing holes

Diameter (mm) 4.5 (0.2")

Termination 4.3-10 Socket

*Range PIM performance verified @ 1900MHz under controlled conditions by Anritsu PIM Master test equipment.

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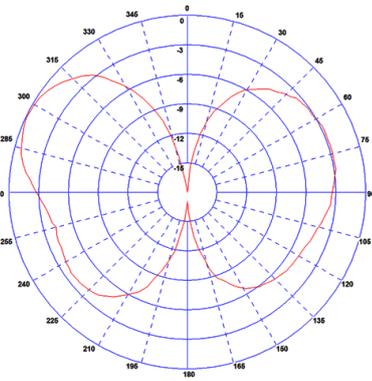
Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

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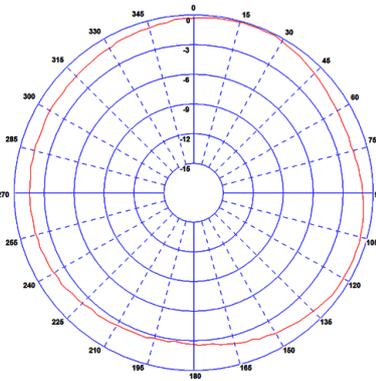
CM-7-60-4310

Electrical Data

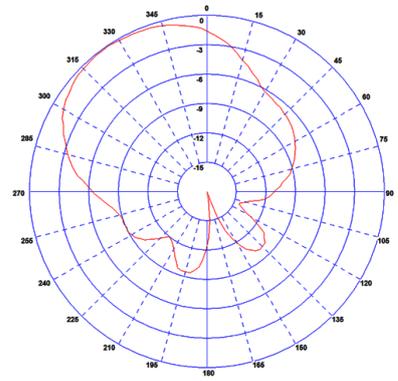
Typical E Plane Plot (829 MHz)



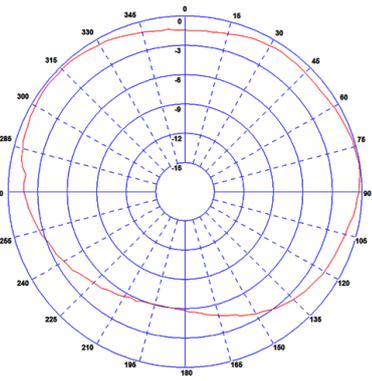
Typical H Plane Plot (829 MHz)



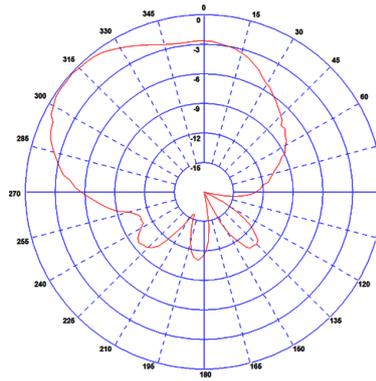
Typical E Plane Plot (1950MHz)



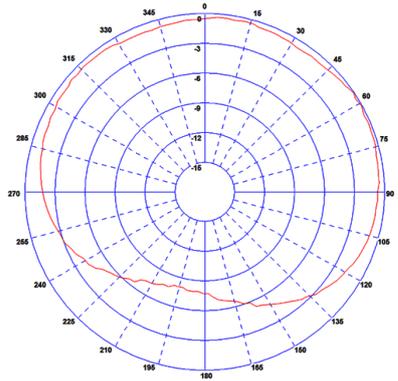
Typical H Plane Plot (1950MHz)



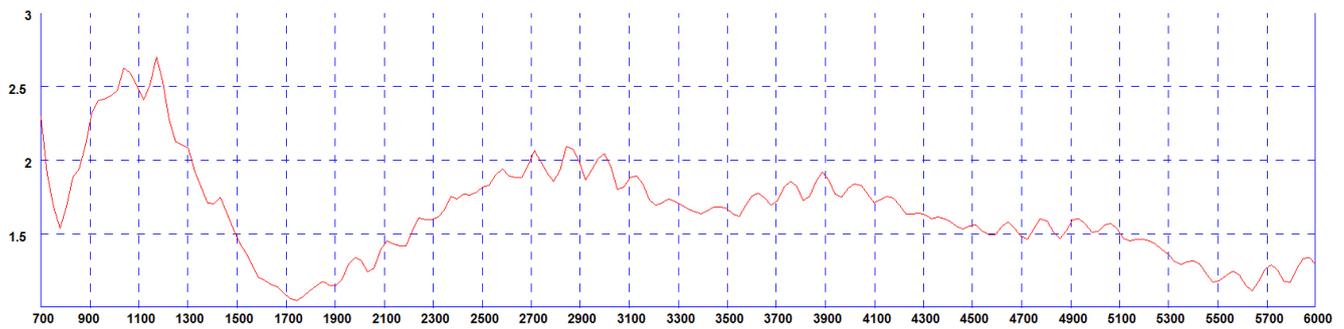
Typical E Plane Plot (2200MHz)



Typical E Plane Plot (2200MHz)



Typical VSWR (700MHz - 6GHz)*



*VSWR measured in free space with 0.5m (1.5') of CS29 Cable