



- Discreet ceiling mount design
- Highly efficient wideband coverage
- Concealed screw fixings
- Low PIM and SAR tested to EN50385:2002



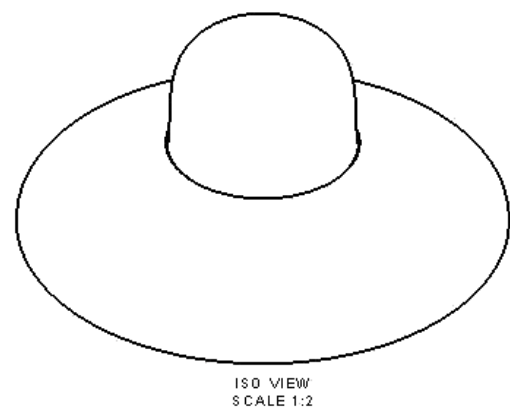
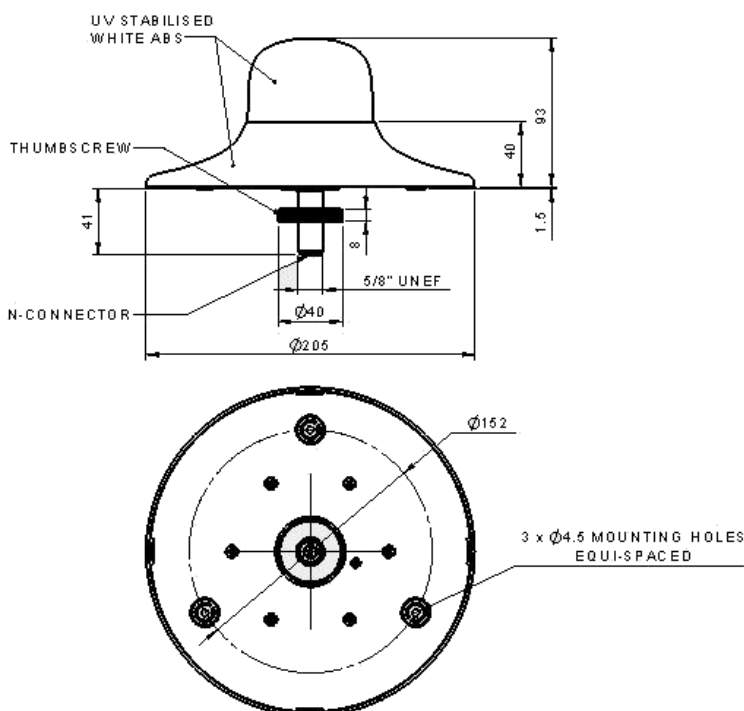
The CM-7-60-NJ ceiling antenna is a compact and subtle way to provide optimum in-building or DAS coverage for the networks of today and tomorrow. Concealed beneath the antenna housing is a highly efficient wideband element capable of supporting 2G/3G/4G/WLAN and WIMAX networks from 698-960MHz and 1710-6000MHz.

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.

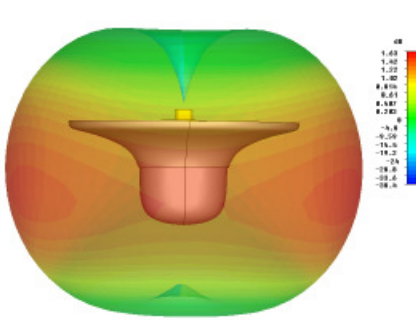


This product features Panorama Antennas' PIM Guard Technology and will meet or exceed a third order inter-modulation level of > -140dBc

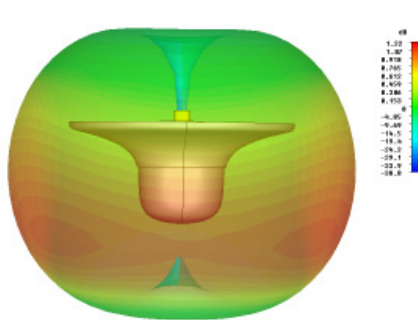
Technical Specification



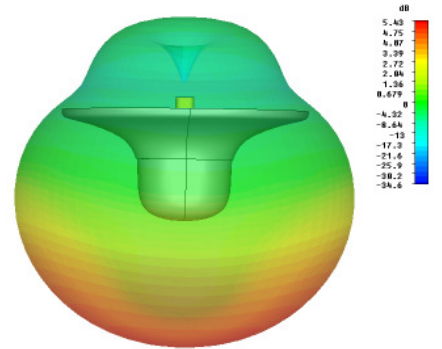
3D Gain Plot (800 MHz)



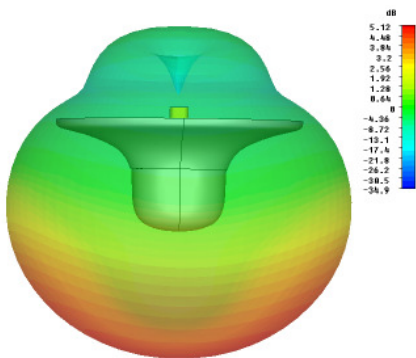
3D Gain Plot (900MHz)



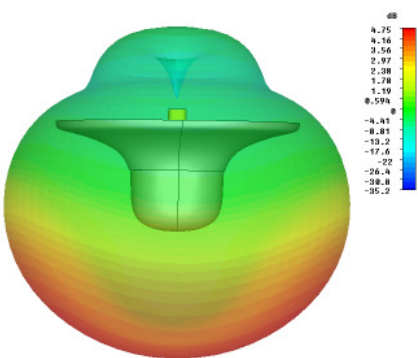
3D Gain Plot (1800MHz)



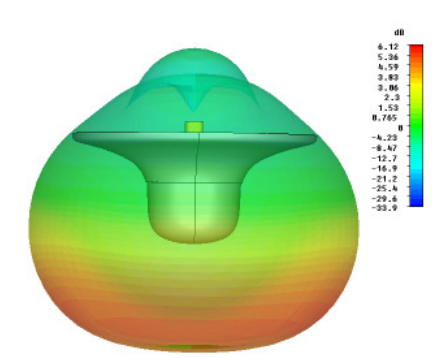
3D Gain Plot (1900MHz)



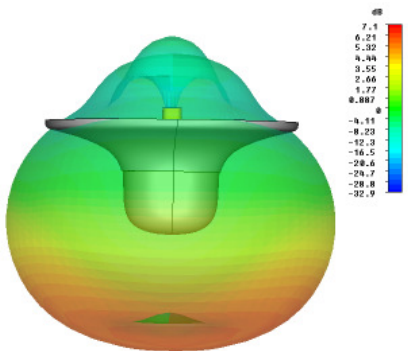
3D Gain Plot (2000MHz)



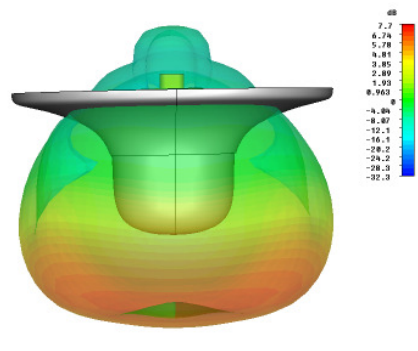
3D Gain Plot (2400MHz)



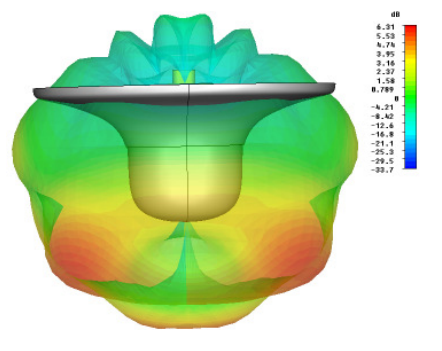
3D Gain Plot (2600MHz)



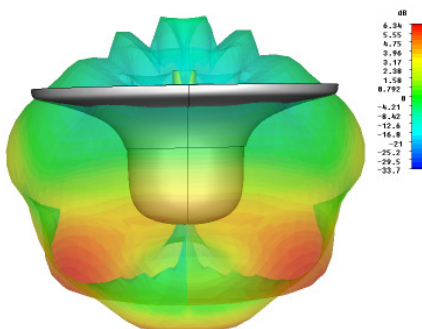
3D Gain Plot (3600MHz)



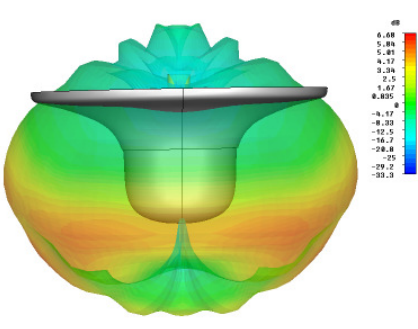
3D Gain Plot (4800MHz)



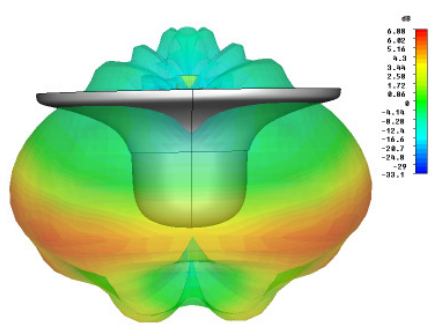
3D Gain Plot (4900MHz)



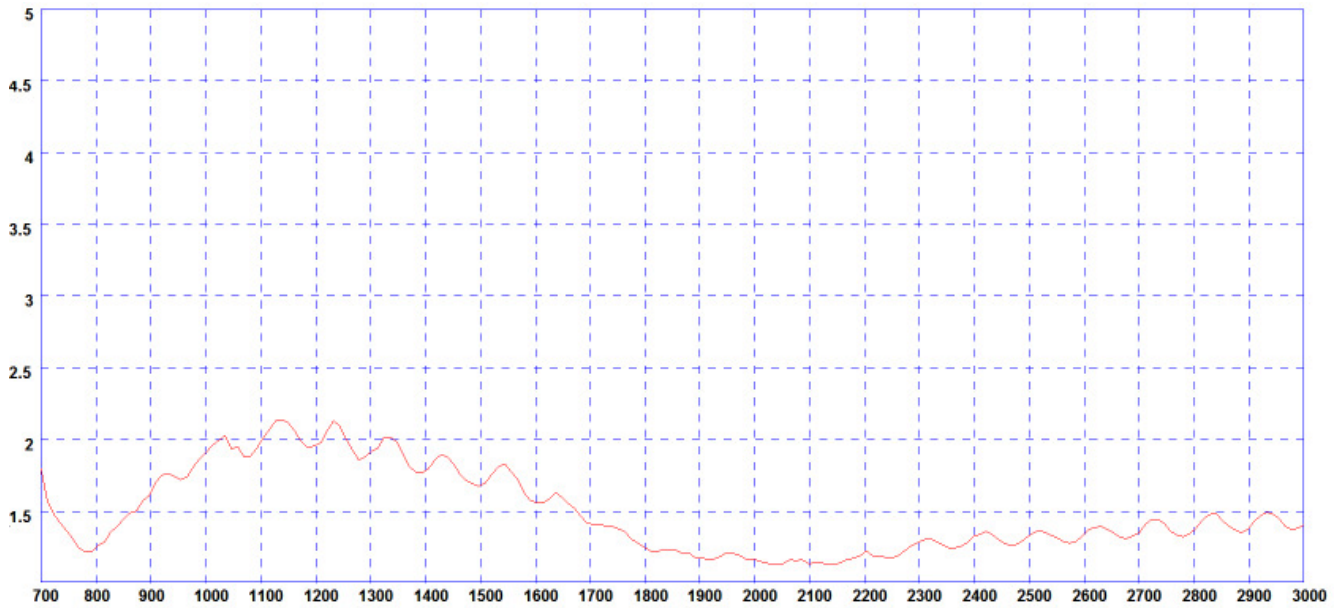
3D Gain Plot (5400MHz)



3D Gain Plot (5800MHz)



Typical VSWR (700MHz - 3GHz)*



*VSWR measured with 1m of CS29 cable

| Part No. | | |
|--|--------------|---|
| CM-7-60-NJ | | |
| 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* | | <-140 |
| 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 and/or N socket lock wheel |
| Diameter (mm) | | 4.5 (0.2") / 16 (5/8") |
| Depth (mm) | | 41 (1.6") |
| Termination | | N Socket |

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



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