



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



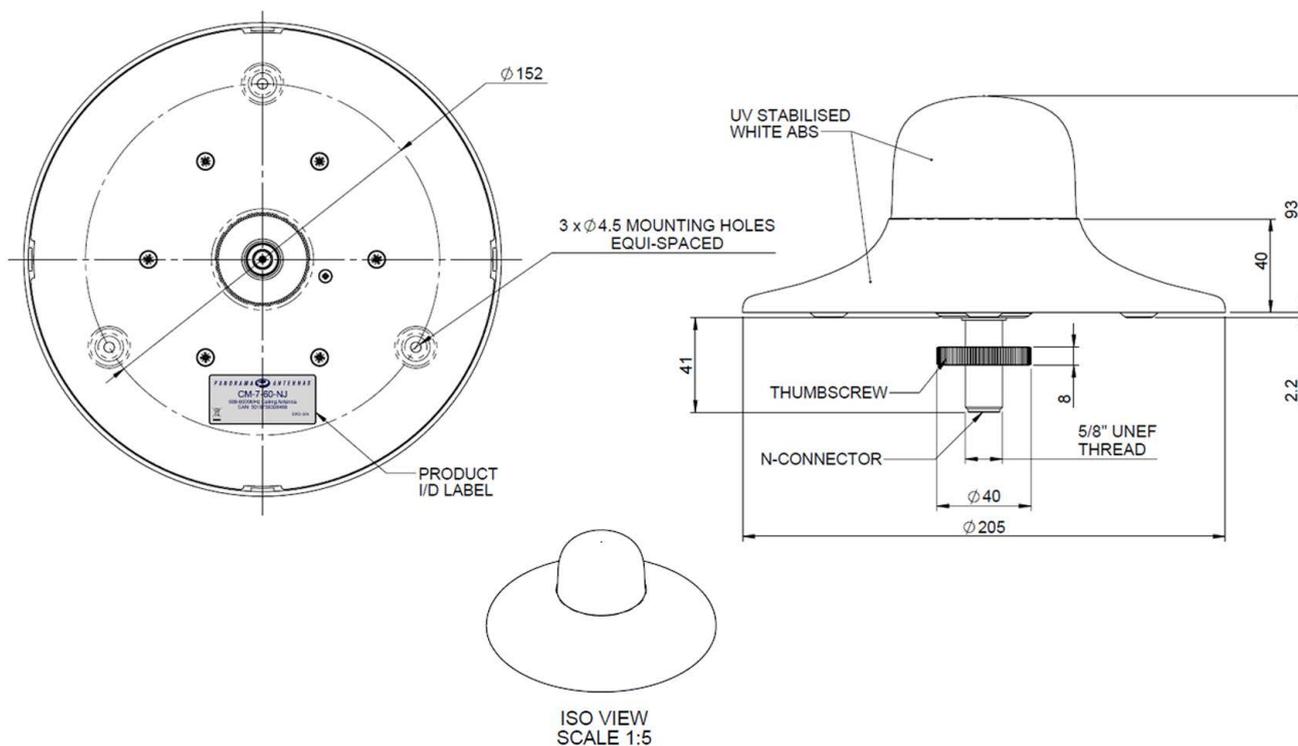
The CM-7-60-NJ ceiling antenna is a compact and subtle way to provide optimum in-building or DAS coverage for the networks of today and tomorrow. Concealed beneath the antenna housing is a highly efficient wideband element capable of supporting 2G/3G/4G/WLAN and WIMAX networks from 698-960MHz and 1710-6000MHz.

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.

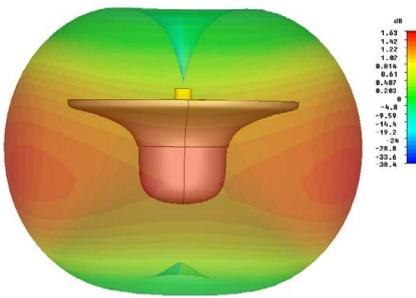


This product features Panorama Antennas' PIM Guard Technology and will typically meet or exceed a third order intermodulation level of > -150dBC*

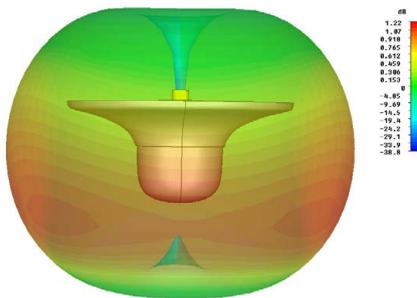
Technical Specification



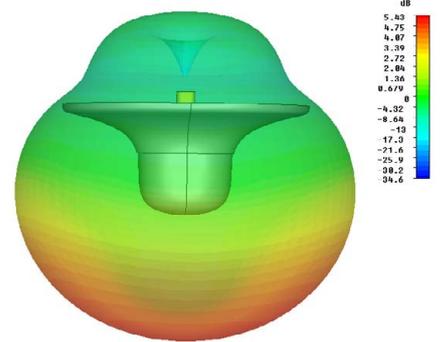
Typical 3D Gain Plot (800 MHz)



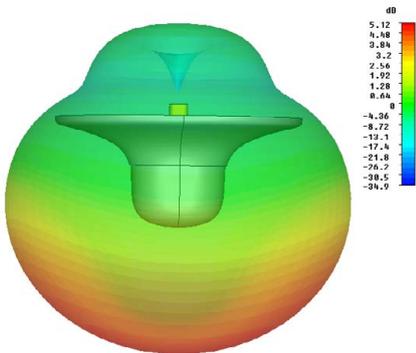
Typical 3D Gain Plot (900MHz)



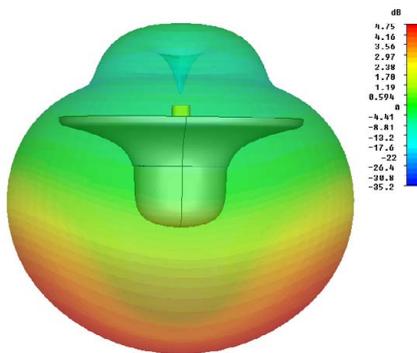
Typical 3D Gain Plot (1800MHz)



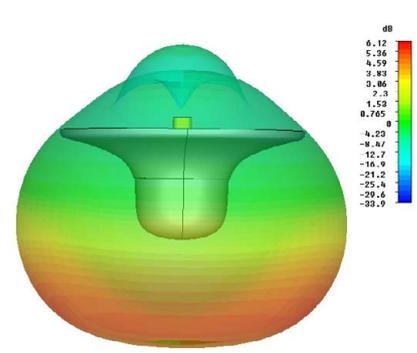
Typical 3D Gain Plot (1900MHz)



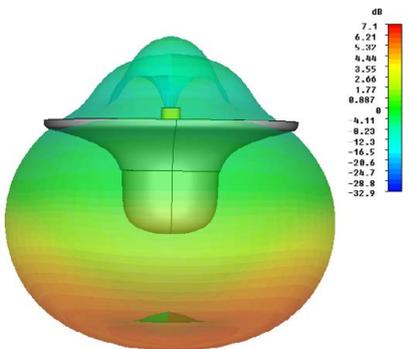
Typical 3D Gain Plot (2000MHz)



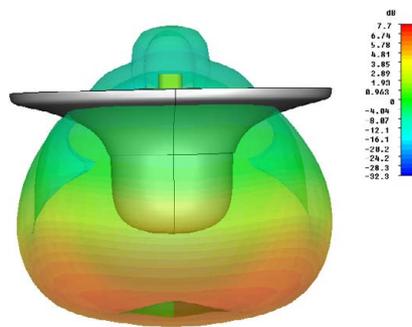
Typical 3D Gain Plot (2400MHz)



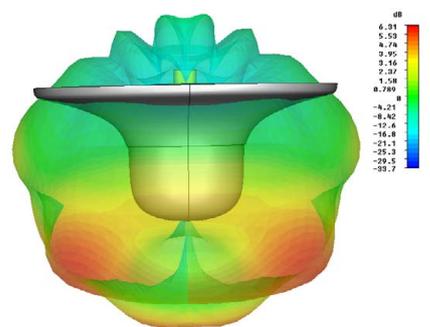
Typical 3D Gain Plot (2600MHz)



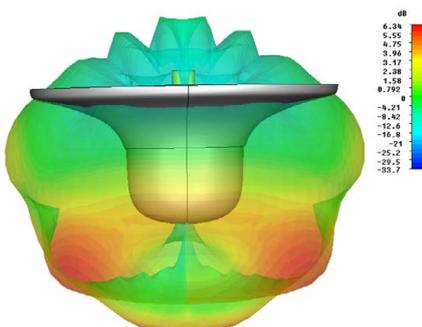
Typical 3D Gain Plot (3600MHz)



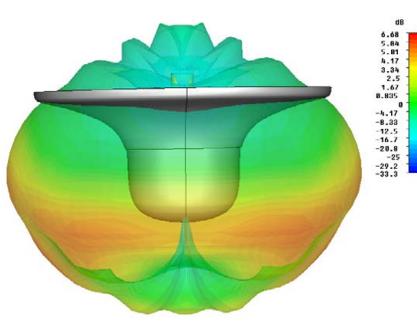
Typical 3D Gain Plot (4800MHz)



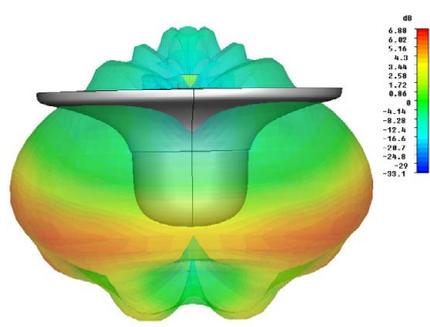
Typical 3D Gain Plot (4900MHz)



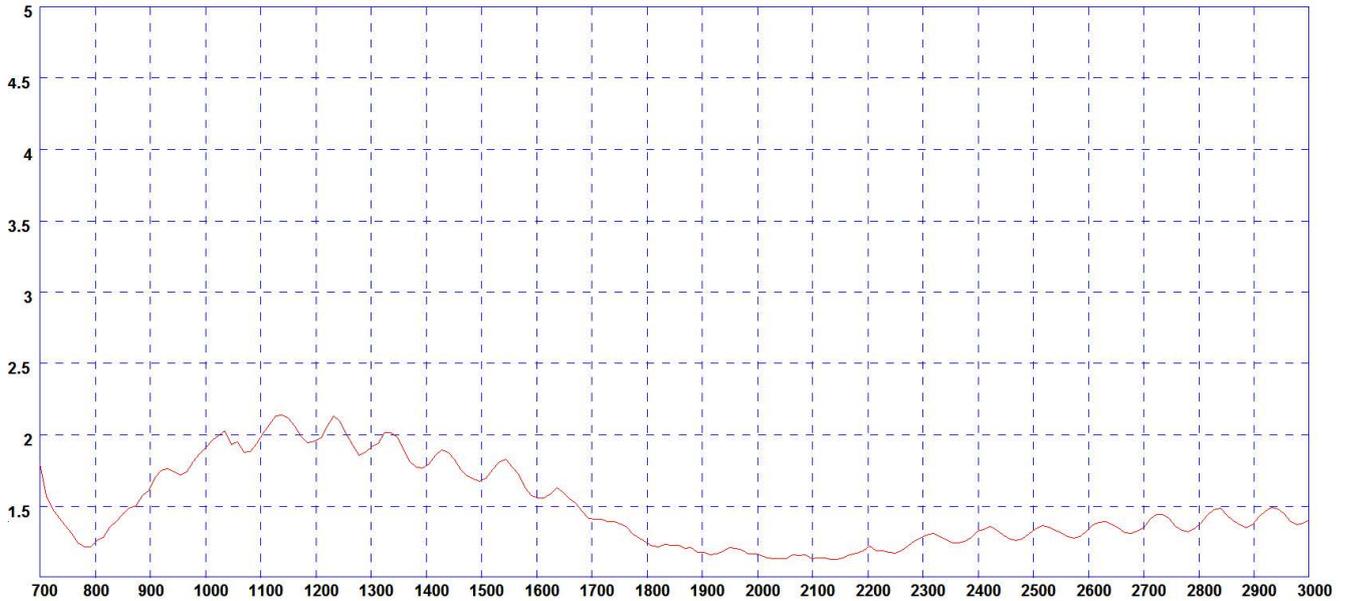
Typical 3D Gain Plot (5400MHz)



Typical 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	
Typical 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 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 @ 1900MHz under controlled conditions by Anritsu PIM Master test equipment.



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