

Inbuilding

CMMG-7-60-NJ

Wideband MiMo Ceiling Antenna

21/05/2012 V1



- Discrete ceiling mount design
- 2x ultra-wideband elements
- Concealed screw fixings

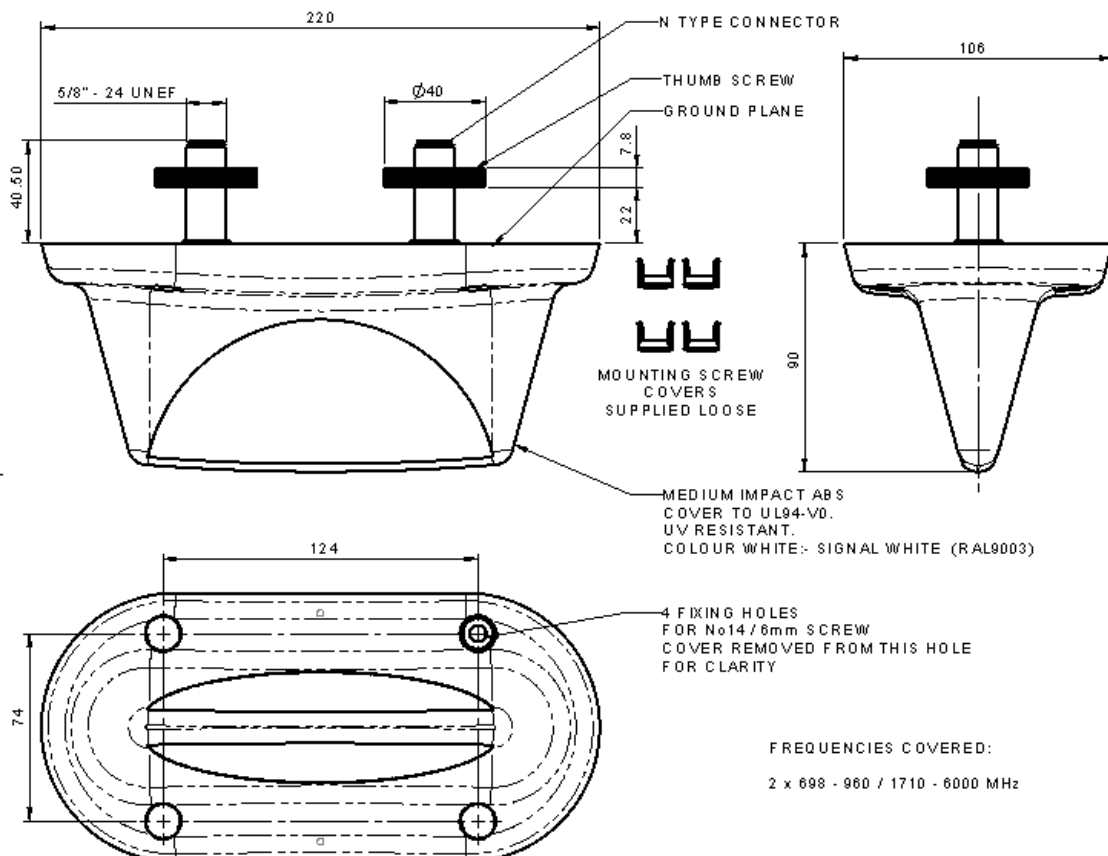
The CMMG-7-60-NJ ceiling antenna offers low PIM 2x2 MiMo coverage across 2G/3G & 4G frequencies (698-6000MHz) for inbuilding and DAS installations.

The antenna only requires two mounting holes for installation via the fitted low PIM N connectors but offers additional screw fixing holes disguised beneath press-fit caps. The antenna is ground plane independent and can be fitted onto both thick and thin ceiling tiles.

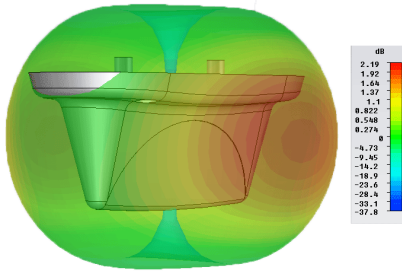


This product features Panorama Antennas' PIM Guard Technology and will meet or exceed a third order inter-modulation level of < -107dBm (-150dBC).

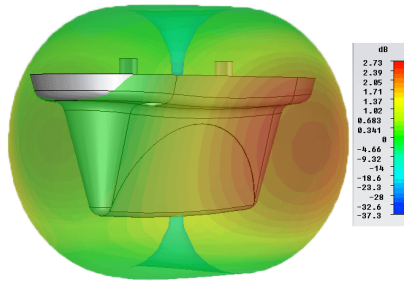
Technical Specification



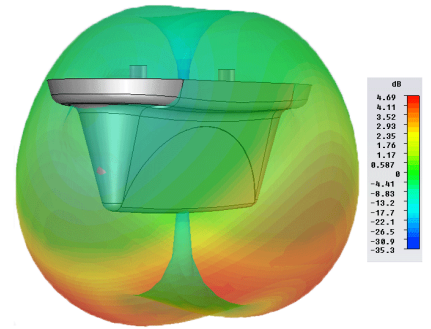
3D Gain Plot (800 MHz)



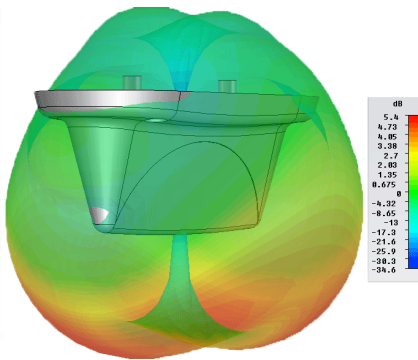
3D Gain Plot (900MHz)



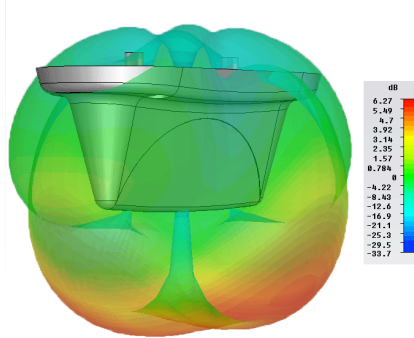
3D Gain Plot (18/1900MHz)



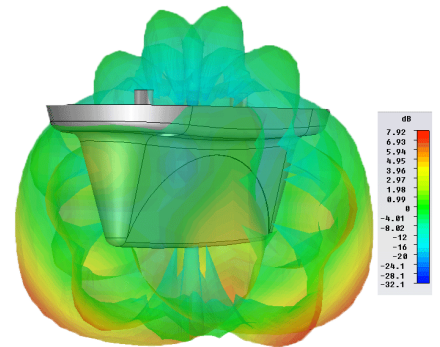
3D Gain Plot (2100MHz)



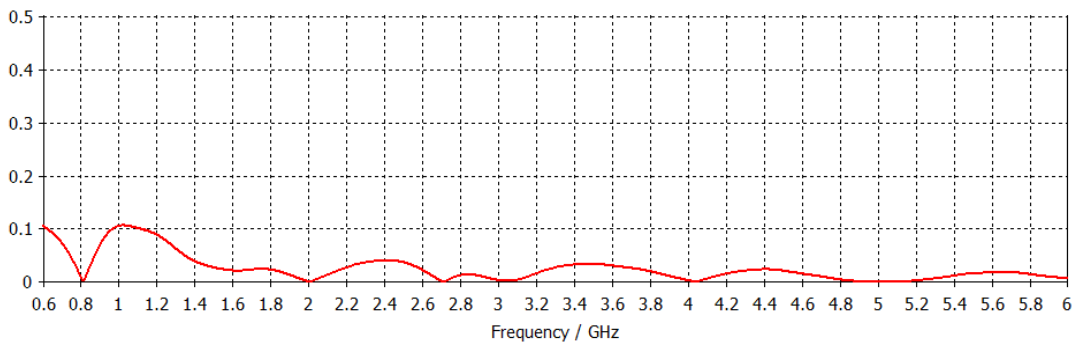
3D Gain Plot (2600MHz)



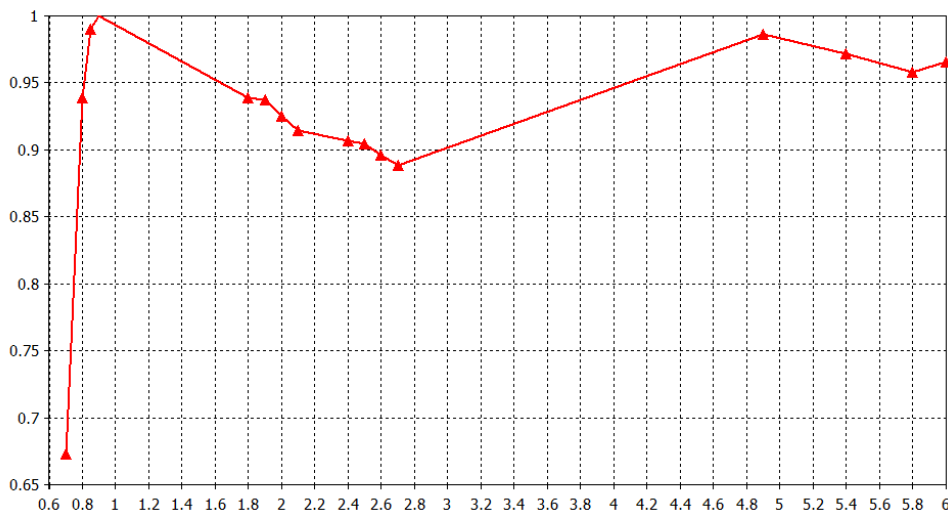
3D Gain Plot (5800MHz)



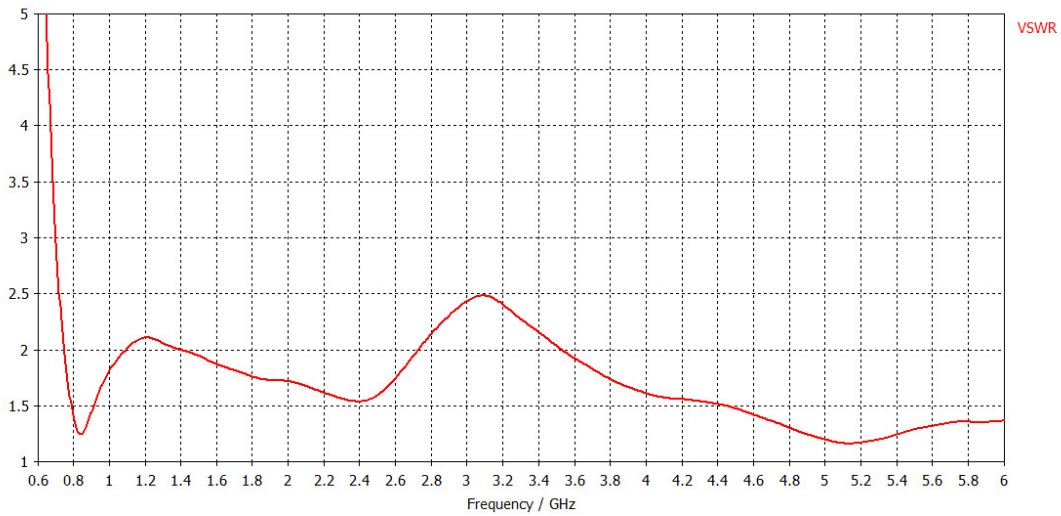
Correlation Co-efficient



Total Efficiency



Typical Element VSWR*



*VSWR measured at antenna connector.

Part No.		CMMG-7-60-NJ
Electrical Data (both elements)		
Frequency Range (MHz)	698-960 / 1500-6000	
Operational bands	2G/3G/4G/WLAN/WIMAX	
Radiation pattern	Omni-directional	
VSWR	< 2.5:1	
Correlation Co-efficient	<0.1	
Isolation (across connectors)	>15dB	
Peak Gain (both elements fed)	698-960MHz	2dBi
	1710-2170MHz	5dBi
	2200-6000MHz	7dBi
Passive intermod. (2x4W, 3rd ord.) dBc	<-150	
Max input power (W)	50 Watts	
Impedance	50Ω	
Mechanical Data		
Dimensions (mm)	Height	90 (3.5")
	Length	220 (8.66")
	Width	106 (4.17")
Operating temp (°C)	-40° / +80°C (-40° / 180°F)	
Material	U.V. Stabilised flame retardant ABS, aluminium base plate	
Colour	White	
Ingress Protection	Antenna enclosure equivalent to IP66 when properly installed	
Mounting Data		
Fixing	4 x 6mm screw fixing holes and/or N socket lock wheel	
Diameter (mm)	6 (0.24") / 15.9 (5/8")	
Depth (mm)	41 (1.6")	



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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.

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