

Low PIM SiSo Omni Ceiling Antenna

CMSLP-6-60-[VAR]

PANORAMA ANTENNAS



- Low Profile SiSo 4G/5G Antenna
- Flame Retardant Materials
- Low PIM Construction

The CMSLP-6-60 range has been designed to provide omni-directional coverage for 4G & 5G networks in a low profile package. The compact, robust low-profile housing contains an efficient low PIM element covering 617-960/1710-6000MHz.

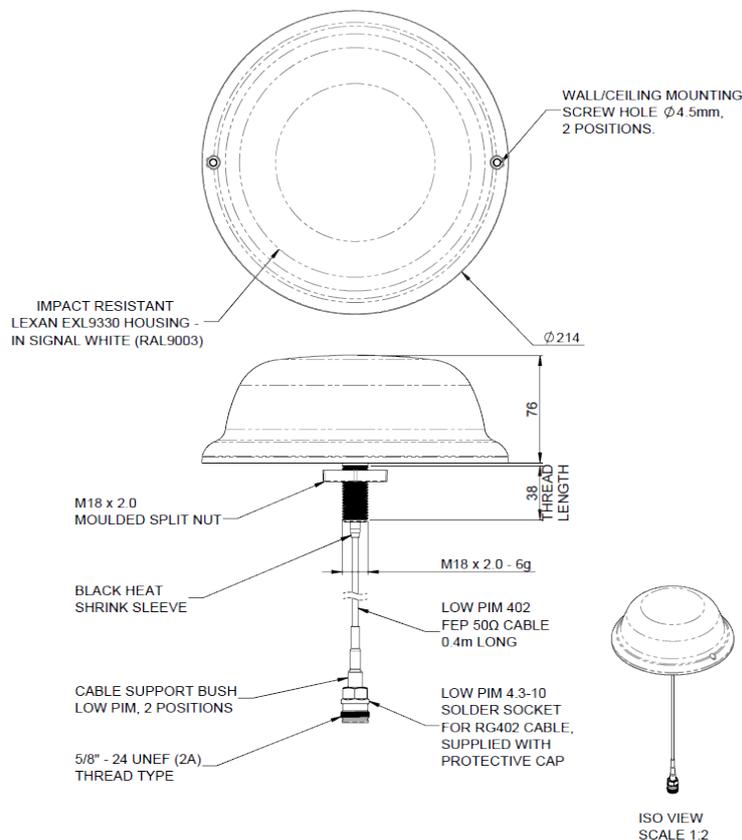
The antenna is designed to be ceiling mounted and can be fitted on a conductive or non-conductive panel. Supplied with integrated flame retardant low PIM RG402 cable and a halogen free flame retardant radome the antenna is suitable for many environments.



This product features Panorama Antennas' PIM Guard Technology and will meet or exceed a third order intermodulation level of > -150dBC (2x 20W carrier)+

Technical Drawing

CMSLP-6-60-054310J Shown



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Product Data

Part No.		CMSLP-6-60-05NJ	CMSLP-6-60-054310J
Electrical Data			
Frequency Range		617-960/1710-6000	
Peak Gain: Isotropic †	617-960MHz	2	
	1710-2700MHz	5	
	3400-6000MHz	8	
Pattern		Omni-directional	
Typical VSWR*	617-960/1710-6000	<2.5:1	
Typical Efficiency		75%	
Passive intermod. (2x20W, 3rd ord.) dBc*		< -150	
Nominal Impedance		50Ω	
Max input power (W)		20	
Mechanical Data			
Dimensions (mm)	Diameter	214 (8.4")	
	Height	76 (2.9")	
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)	
Material		LEXAN EXL 9330 (UL94-V0)	
Colour		White	
Mounting Data			
Fixing		Panel Mount - 18mm (3/4") and or 2x 4mm (No. 8) screw mount	
Cable Data			
2G/3G/4G Cables	Cable Type	402 Low PIM Flame Retardant Cable	
	Diameter (mm)	4 (0.16")	
	Length (m)	0.4(16")	
	Termination	N (f)	4.3-10 (f)

† Peak gain and efficiency simulated in CST Microwave Studio excluding cable loss

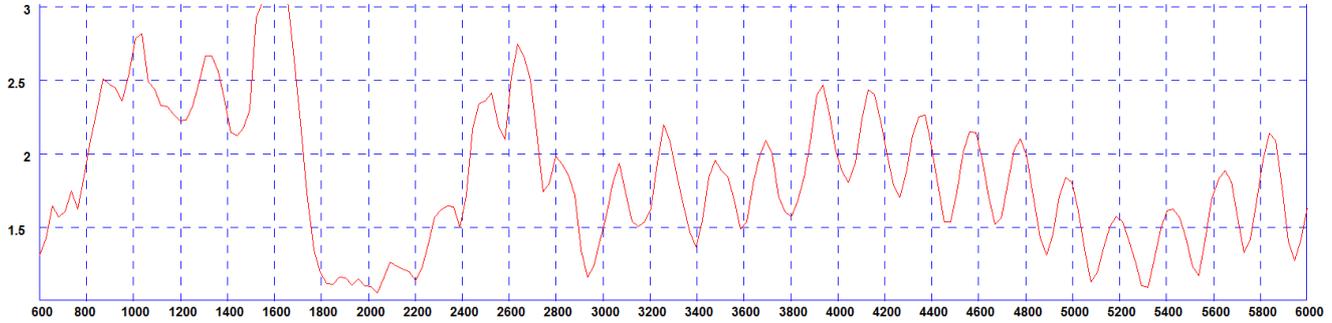
* Typical VSWR stated as measured with 0.5m (1') of cable

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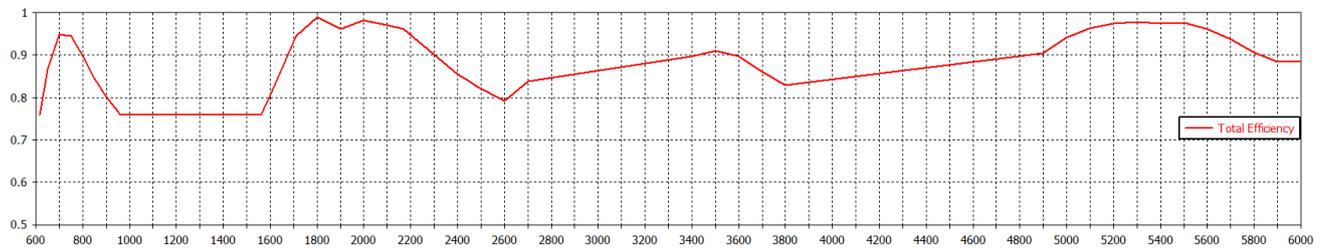
Electrical Data - Cell

Typical VSWR*



* VSWR measured with 0.5m (1') of RG402 cable and a 600x600mm (2'x2') ground plane

Typical Efficiency*



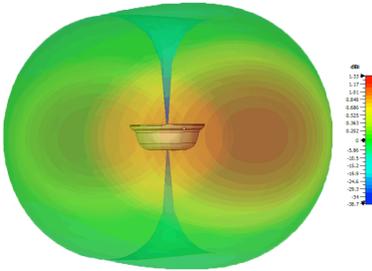
*Element efficiency simulated in CST Microwave Studio without cable loss.

Typical Swept Peak Gain*

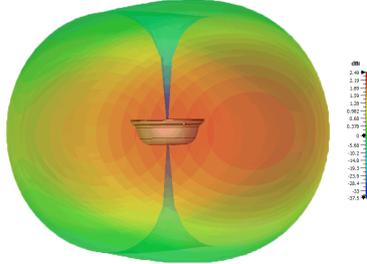


* Swept peak gain simulated in CST Microwave Studio without cable loss.

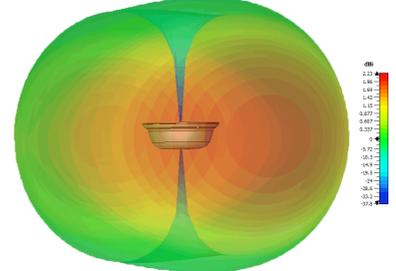
Typical 3D Pattern- Side (617MHz)



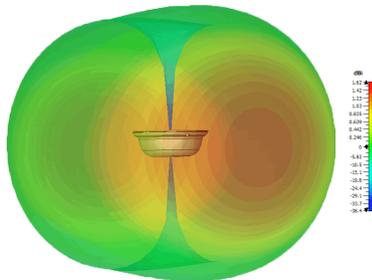
Typical 3D Pattern- Side (700MHz)



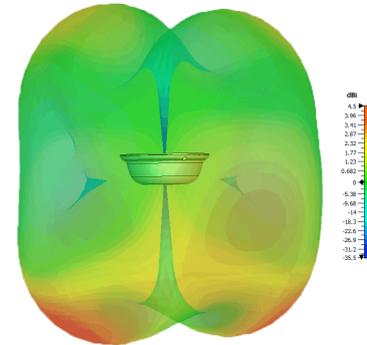
Typical 3D Pattern- Side (800MHz)



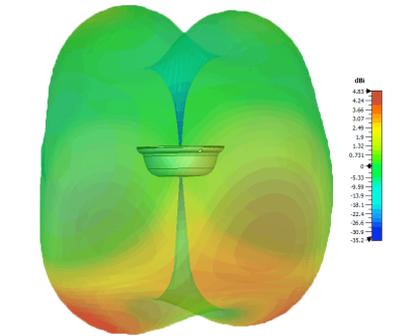
Typical 3D Pattern- Side (900MHz)



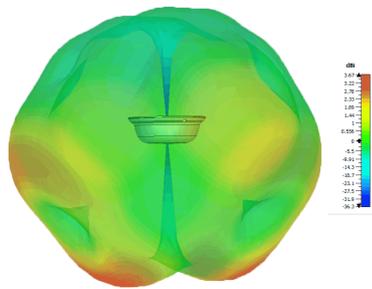
Typical 3D Pattern- Side (1800MHz)



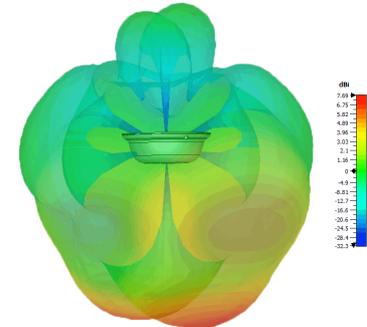
Typical 3D Pattern- Side (2000MHz)



Typical 3D Pattern- Side (2600MHz)



Typical 3D Pattern- Side (3600MHz)



Typical 3D Pattern- Side (5400MHz)

