

# Product Data Sheet

MiMo Ceiling Antenna

# WiMAX / LTE

## MiMo Ceiling Antenna

### CMM-7-27

Supports MIMO & diversity

Incorporates ultra wideband elements

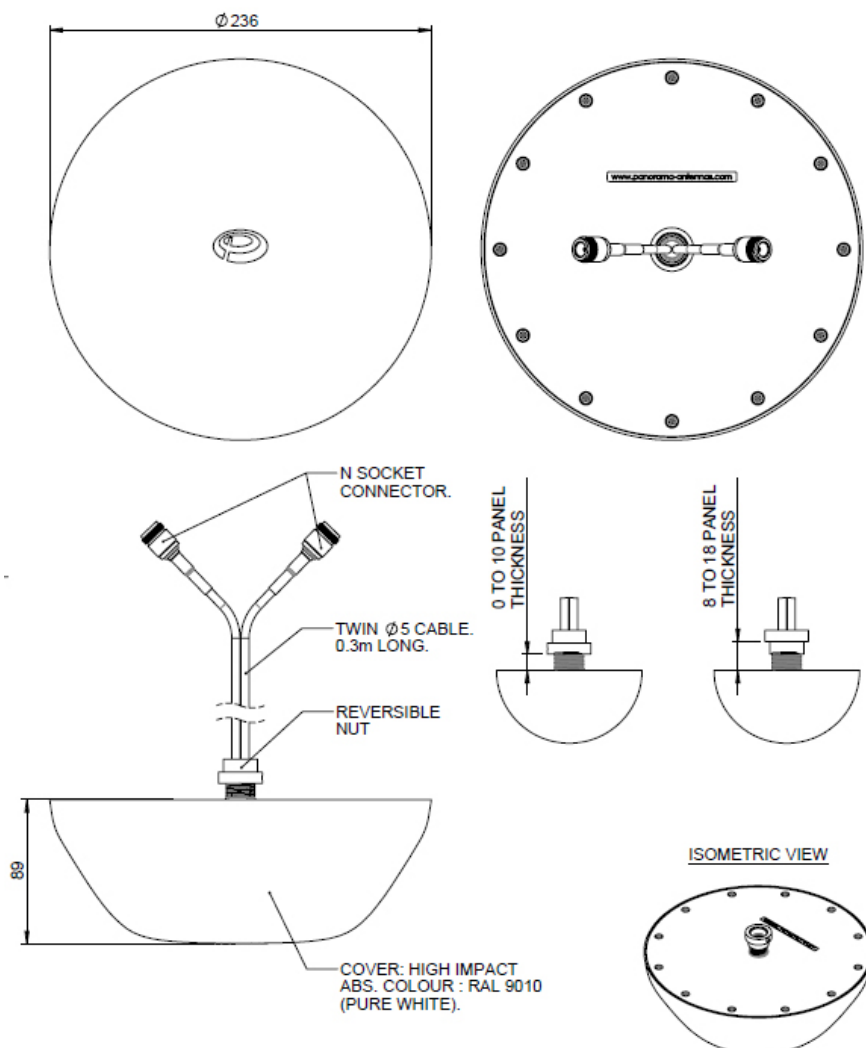
Slotted reversible mounting- to fit thick and thin tiles

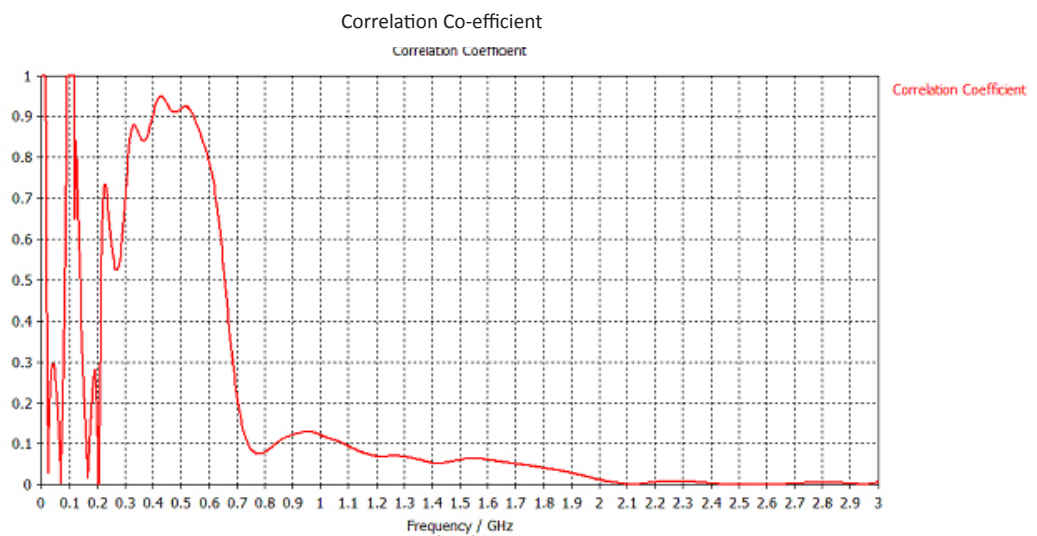
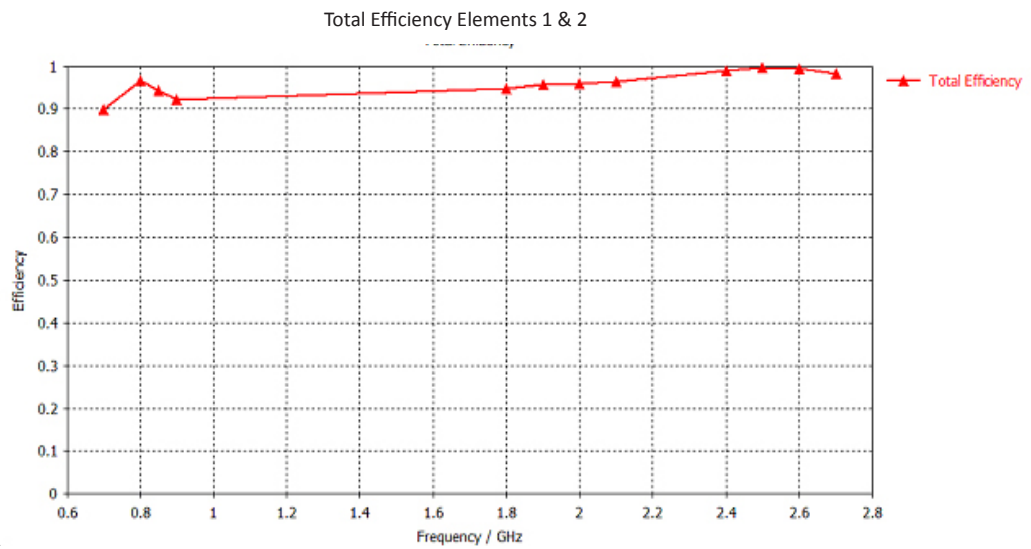
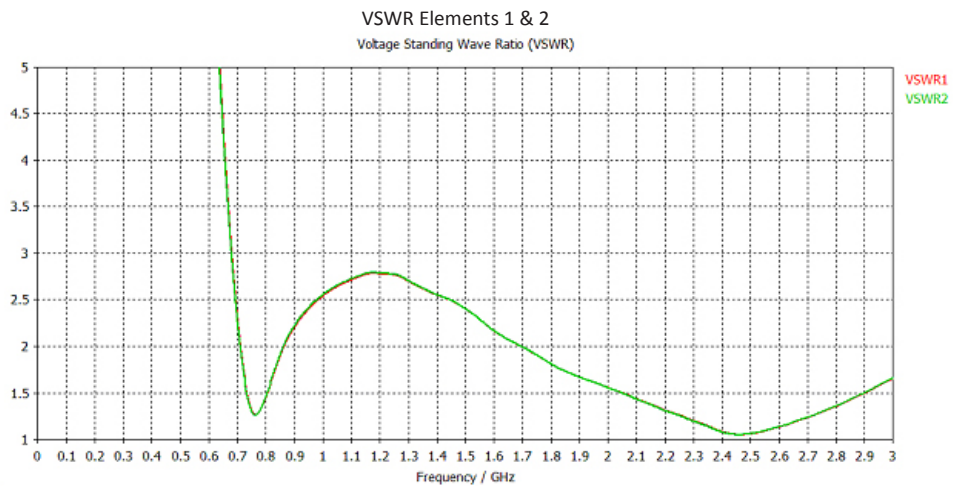


The CMM-7-27 ceiling antenna combines ergonomic style with a sophisticated two element design supporting MiMo on 4G and diversity on 2G & 3G networks.

The rugged design only requires one mounting hole for installation but offers separate feeds and two de-correlated and highly efficient elements. The antenna groundplane independent and is provided with a slotted reversible mounting, so can be fitted onto both thick and thin ceiling tiles.

#### Technical Drawing





# WiMAX / LTE

## MiMo Ceiling Antenna

Part No.		
CMM-7-27-03NJ		
Electrical Data		
Frequency Range (MHz)	Antenna 1	698-960 / 1710-2700
	Antenna 2	698-960 / 1710-2700
Operational Bands		2G / 3G / 4G
VSWR		< 2.5:1
Gain @ 0° Elevation(dBi)	850MHz	1
	1900MHz	2
	2600MHz	1
Total Efficiency (all bands)		> 85%
Correlation Co-efficient ( 2.3-2.7 GHz)		< 0.2
Correlation Co-efficient ( Cellular Bands)		< 0.3
Element Isolation		> 20dB
Max Input Power (W)		50 Watts
Impedance		50Ω
Mechanical Data		
Dimensions (mm)	Height	80 (3.1")
	Diameter	236 (9.3")
Operating Temp (°C)		-40° / +80°C (-40° /180°F)
Material		Flame Retardant U.V. Stabilised Engineering Plastic
Colour		RAL9010 (Pure White)
Mounting Data		
Fixing		Slotted mounting nut (reversible for multiple sized fittings)
Mounting Bush Size (mm)	Length	22 (0.8")
	Diameter	18 (0.7")
Cable Data		
Type		2 x CS29 Coax
Thickness (mm)		5 (0.2")
Length (mm)		300 (16')
Termination		2 x N Jack

Note 1: Peak gain @ 0° for 850 & 1900MHz is shown for each element fed separately indicative of diversity operation. Peak gain at 0° for 2600MHz is shown for both elements fed together indicative of MiMo operation.

Note 2: All stated measurements taken on a 1x1m groundplane.

**Panorama Antennas Ltd**  
Frogmore, London, SW18 1HF, United Kingdom

T: +44 (0)20 8877 4444  
F: +44 (0)20 8877 4477

E: [sales@panorama-antennas.com](mailto:sales@panorama-antennas.com)  
[www.panorama-antennas.com](http://www.panorama-antennas.com)

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