

4G/5G MiMo Portable Antenna

- Provides 2x2 MiMo function for 5G/4G with fallback to 3G/2G
- Ultra Wideband: 617-960/1710-6000MHz
- Desk, window or wall mount
 - Highly portable - features integral desk stand and suction mount
 - For more permanent use - screw and adhesive pad mounting options are also provided
- Supplied with 2m (6') of twin coaxial cable and available with SMA or TS9 connectors.



The DMM antenna is an innovative and future proof solution for 2G/3G/4G and 5G networks. Incorporating two separately fed, ultra wide band elements in a single housing, the DMM provides effective 2x2 MiMo function for frequencies from 617-960/1710-6000MHz.

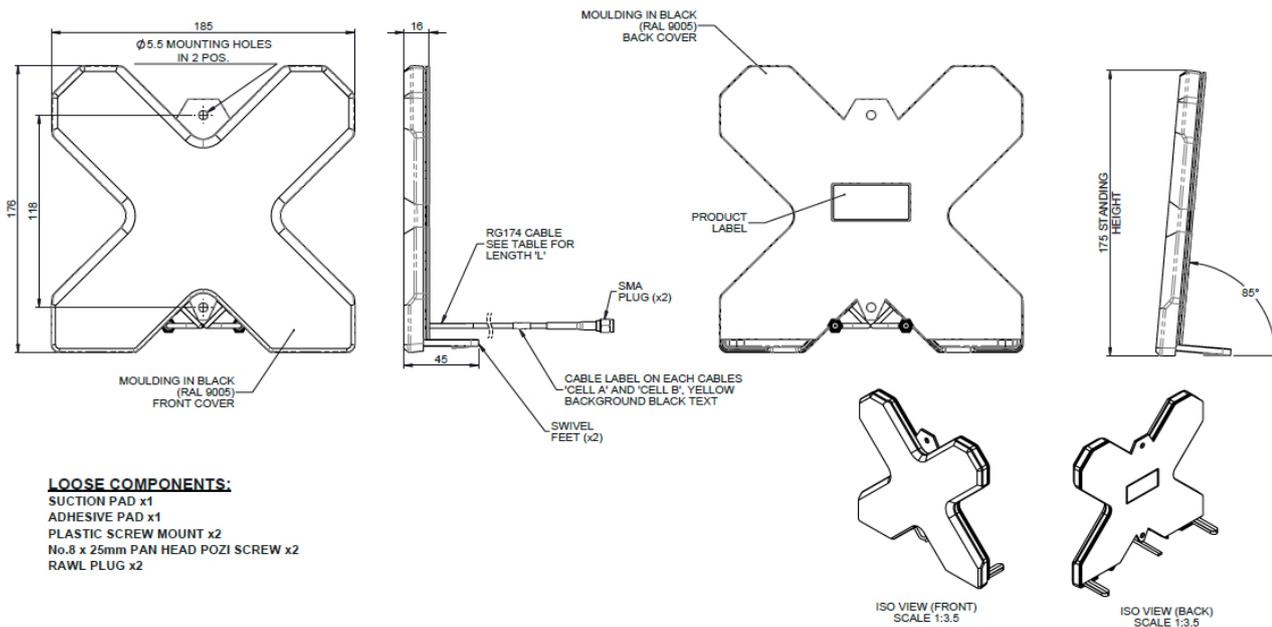
The DMM is highly portable and features desk mount feet which fold out for use, and flat for transport. A handy suction window mount enables users to optimise their signal in multiple locations, with instant installation and easy removal. For more permanent use, screw and adhesive pad mounting options are also provided.

Supplied with 2m (6') of twin coaxial cable and available with SMA or TS9 connectors.

The DMM is a cost effective value added product for network operators and service providers ensuring a stable link with improved data rates for subscribers thereby improving satisfaction and retention.

Technical Drawing

DMM-6-60-2SP Shown



LOOSE COMPONENTS:

- SUCTION PAD x1
- ADHESIVE PAD x1
- PLASTIC SCREW MOUNT x2
- No.8 x 25mm PAN HEAD POZI SCREW x2
- RAWL PLUG x2

Product Data

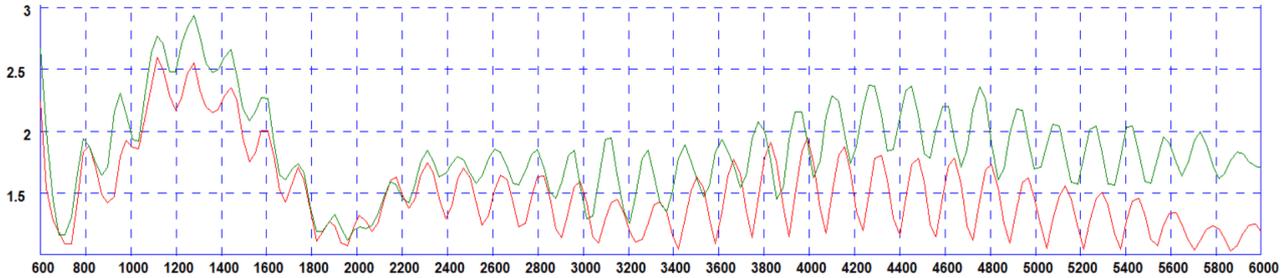
Part No.		DMM-6-60-2SP	DMM-6-60-2TS9
Electrical Data			
Frequency Range (MHz)	Antenna 1	617-960 / 1710-6000	
	Antenna 2	617-960 / 1710-6000	
Operational Bands	2G / 3G / 4G / 5G		
Radiation Pattern	Omni-directional		
Typical VSWR	< 2.5:1		
Peak Gain - excluding cable loss (all bands)	698-960MHz	2dBi	
	1710-2600MHz	3dBi	
	3.4-6.0GHz	5dBi	
Efficiency - excluding cable loss (all bands)	> 80%		
Correlation Co-efficient (all bands)	< 0.1		
Element Isolation	> 12dB		
Max Input Power (W)	20 Watts		
Impedance	50Ω		
Mechanical Data			
Dimensions (mm)	Height	176.3 (6.94")	
	Width	184.6 (7.27")	
	Depth	14 (0.55")	
Operating Temp (°C)	-40° / +80°C (-40° / 180°F)		
Material	U.V. Stabilised ASA		
Colour	RAL9005 (Jet Black)		
Weight	250g		
Mounting Data			
Fixing	Desk mount / screw mount / window mount		
Cable Data			
Type	2 x RG174		
Diameter (mm)	2.8 (0.1")		
Length (m)	2 (6.5')	2 (6.5')	
Termination	2 x SMA (m)	2 x TS9 (m)	

† Peak gain measured in free space and excludes cable loss.

* Typical VSWR measured in free space with 2m (6') of RG174 cable.

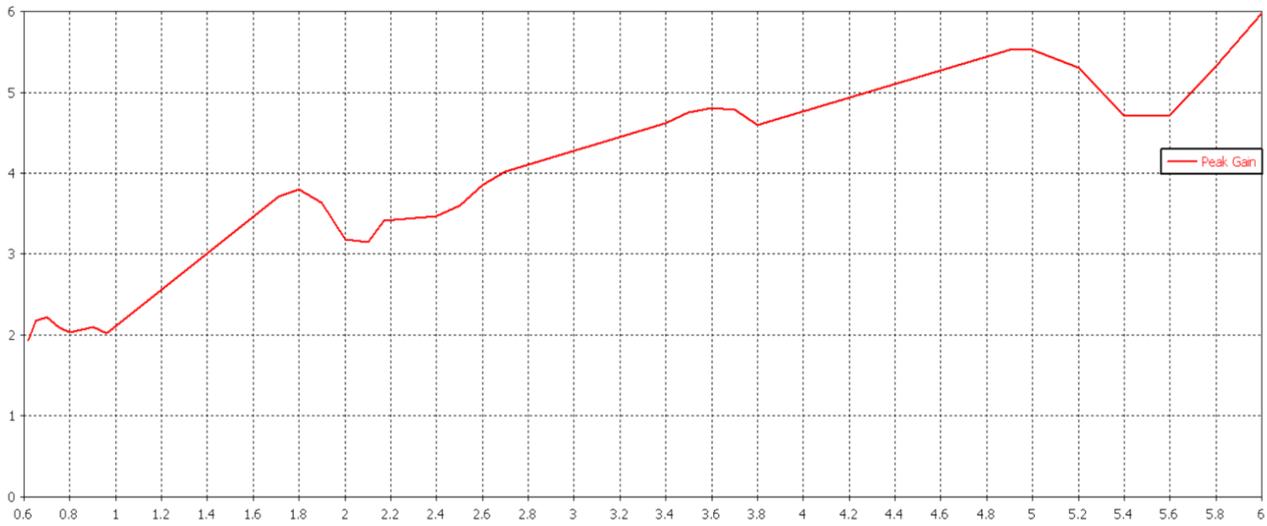
Electrical Data - Cell

Typical VSWR*



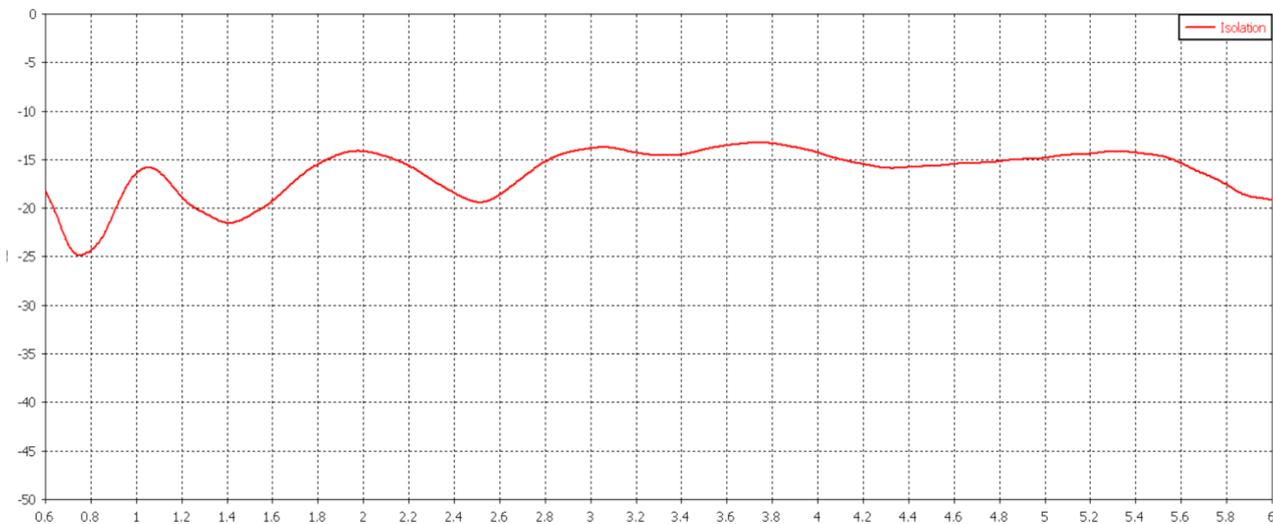
*VSWR elements 1&2 measured in free space with 1m (3') of CS29 cable

Swept Peak Gain **



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

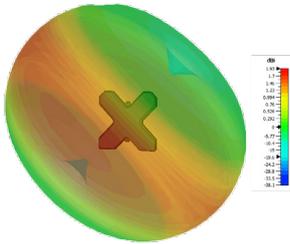
Typical Isolation ***



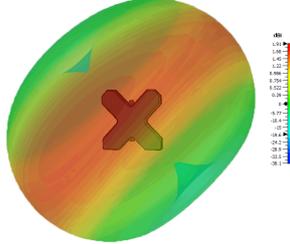
***Typical isolation simulated in CST Microwave Studio without cable loss

3D Patterns - Cell

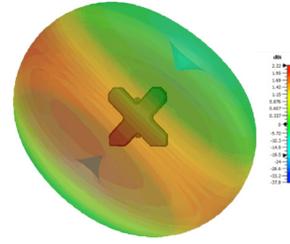
3D Pattern Element 1 (617MHz)



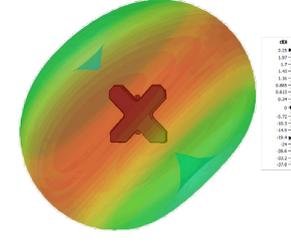
3D Pattern Element 2 (617MHz)



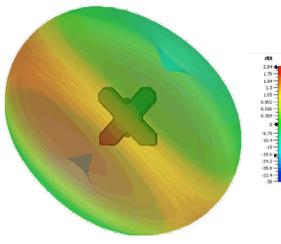
3D Pattern Element 1 (700MHz)



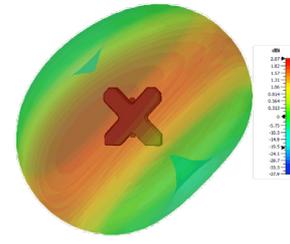
3D Pattern Element 2 (700MHz)



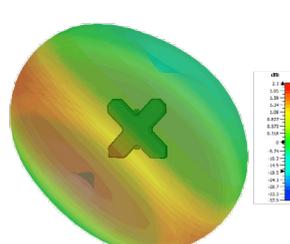
3D Pattern Element 1 (800MHz)



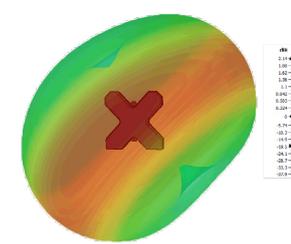
3D Pattern Element 2 (800MHz)



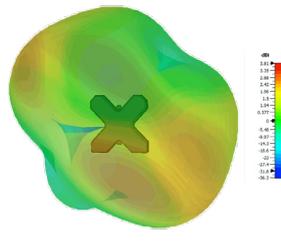
3D Pattern Element 1 (900MHz)



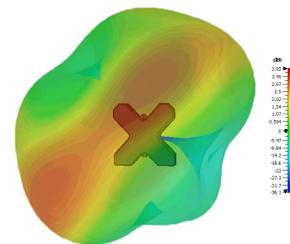
3D Pattern Element 2 (900MHz)



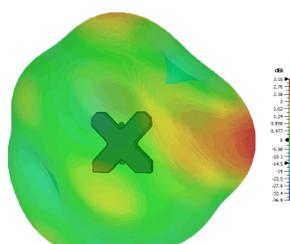
3D Pattern Element 1 (1800MHz)



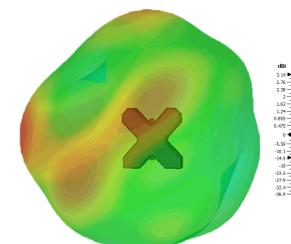
3D Pattern Element 2 (1800MHz)



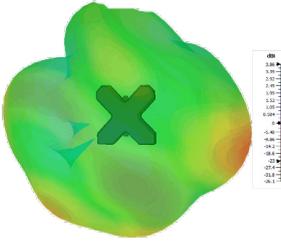
3D Pattern Element 1 (2100MHz)



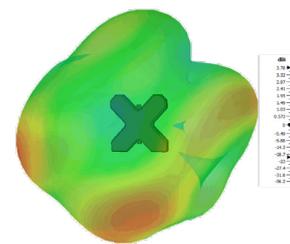
3D Pattern Element 2 (2100MHz)



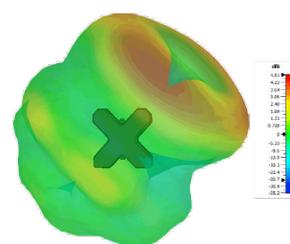
3D Pattern Element 1 (2600MHz)



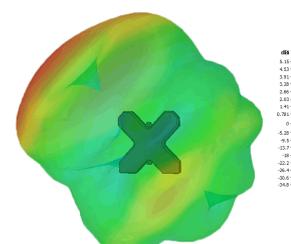
3D Pattern Element 2 (2600MHz)



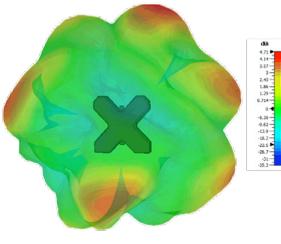
3D Pattern Element 1 (3600MHz)



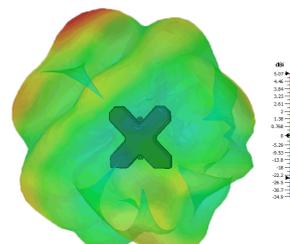
3D Pattern Element 2 (3600MHz)



3D Pattern Element 1 (5400MHz)



3D Pattern Element 2 (5400MHz)



3D patterns simulated in CST Microwave Studio excluding cable loss

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
W: www.panorama-antennas.com

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