4G/5G Desk Mount MiMo Antenna

DMM-6-60[-VAR]

2x2 MiMo for 4G/5G

Desk, window or wall mount

Integrated twin cable with a range of connectors

The DMM antenna provides an innovative and future proof solution for 2G / 3G / 4G and 5G networks. Incorporating two separately fed ultra wideband elements in a single housing the DMM is equipped to provide portable MiMo and diversity support for frequencies from 617-960/1710-6000MHz.

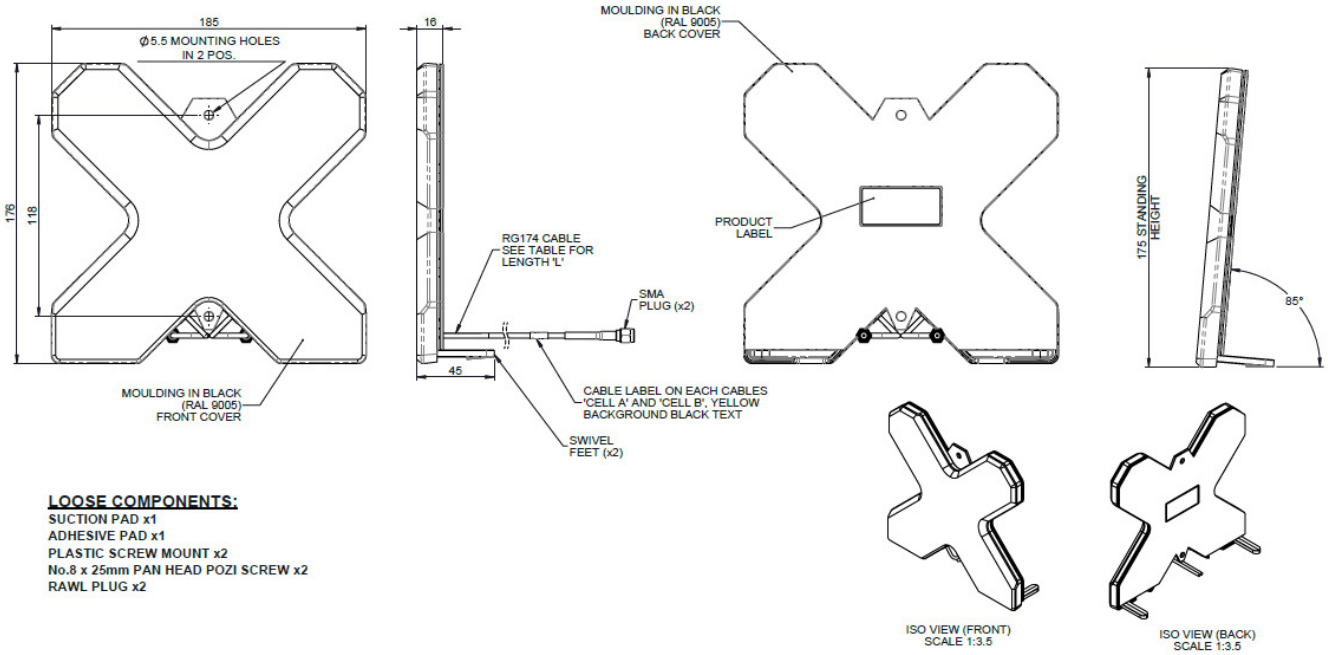
The DMM is highly portable and features desk mount feet which fold out for use, and flat for transport. A handy suction window mount enables users to optimise their signal in multiple locations, with instant installation and easy removal. For more permanent situations screw and adhesive pad mounting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

The product is supplied with up to 2 metres (6') of cable and a variety of connectors are available.

The DMM is an 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

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DMM-6-60[-VAR]

PANORAMA ANTENNAS

Product Data

Part No.		DMM-6-60-2SP	DMM-6-60-05SP	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')	0.5 (1.5')	2(6.5')
Termination		2 × SMA (m)	2x SMA Plugs	2 × TS9 (m)

ŧ Peak gain measured in free space and excludes cable loss.
* Typical VSWR measured in free space with 2m (6') of RG174 cable.

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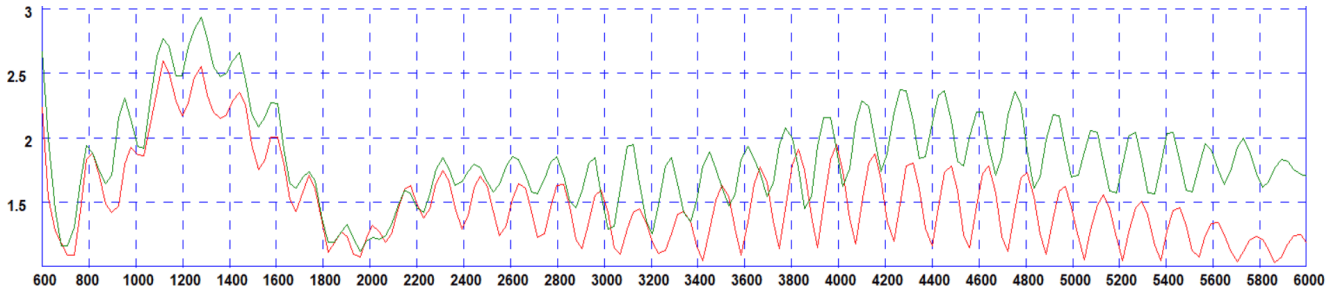
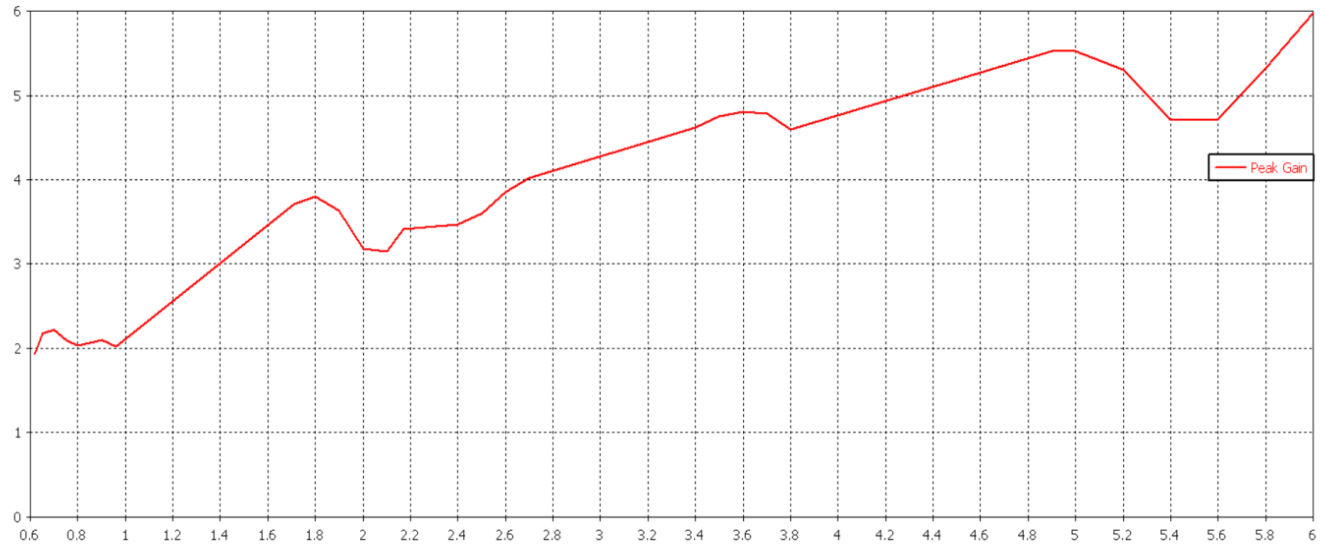
Electrical Data - Cell

Typical VSWR*



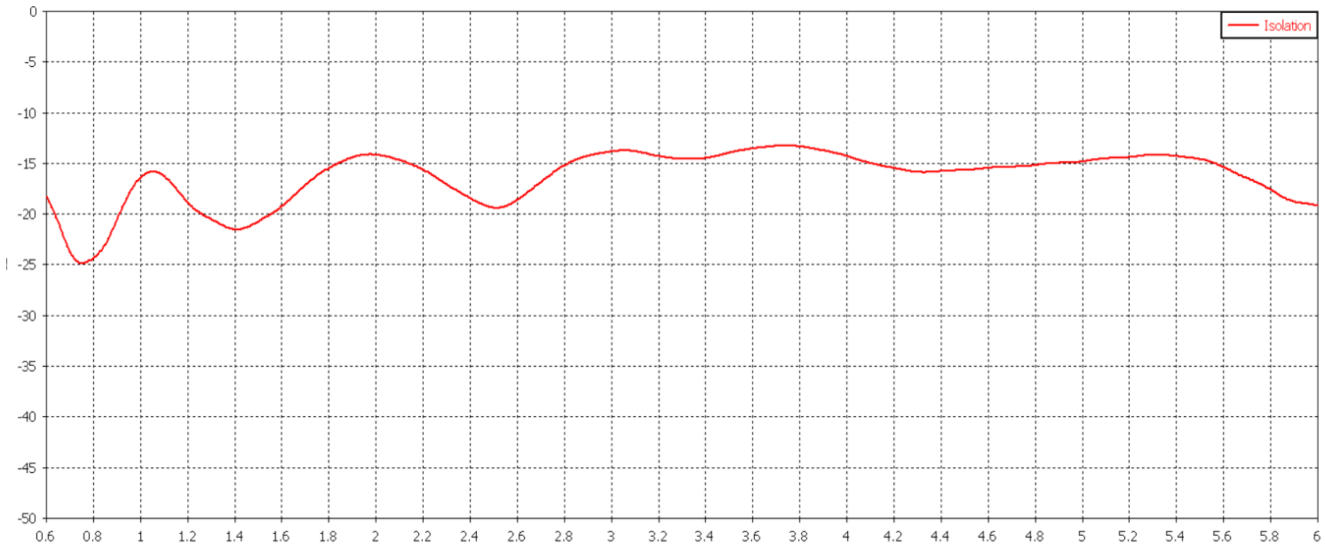
*VSWR elements 1&2 measured in free space with 1m (3') of CS29 cable

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

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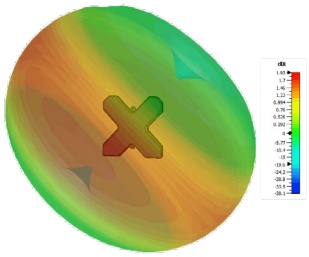
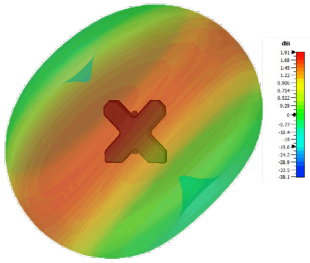
3D Patterns - Cell

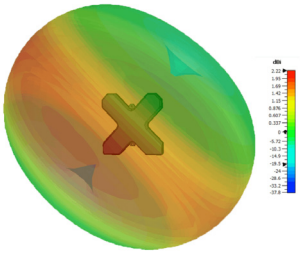
3D Pattern Element 1 (617MHz)



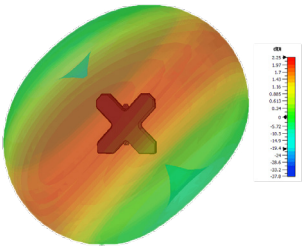
3D Pattern Element 2 (617MHz)



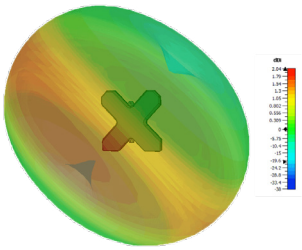
3D Pattern Element 1 (700MHz)



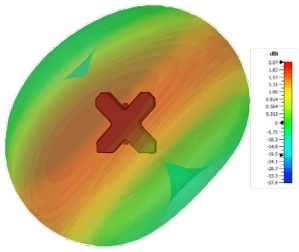
3D Pattern Element 2 (700MHz)



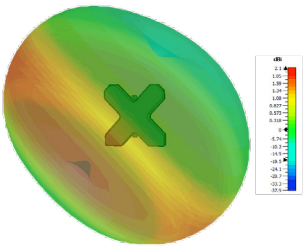
3D Pattern Element 1 (800MHz)



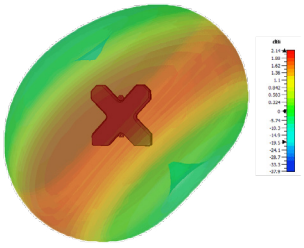
3D Pattern Element 2 (800MHz)



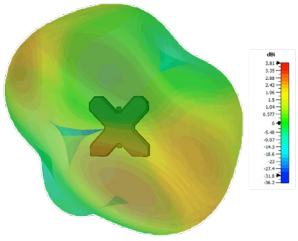
3D Pattern Element 1 (900MHz)



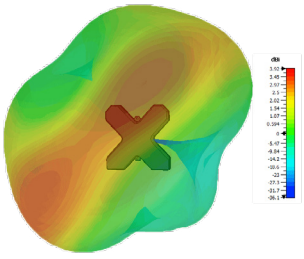
3D Pattern Element 2 (900MHz)



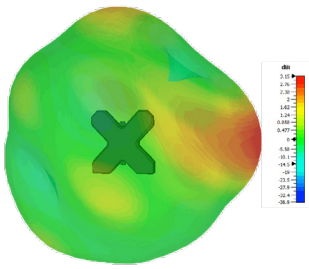
3D Pattern Element 1 (1800MHz)



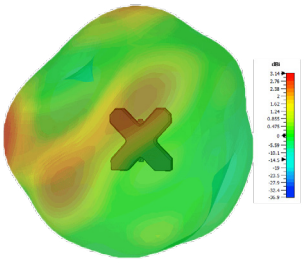
3D Pattern Element 2 (1800MHz)



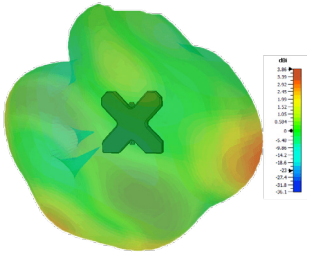
3D Pattern Element 1 (2100MHz)



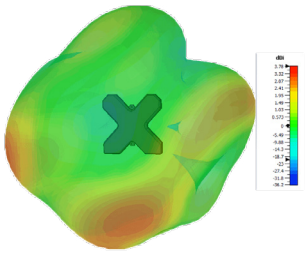
3D Pattern Element 2 (2100MHz)



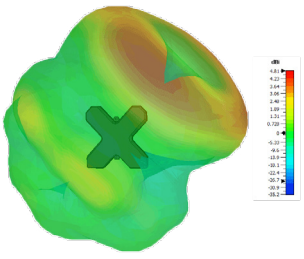
3D Pattern Element 1 (2600MHz)



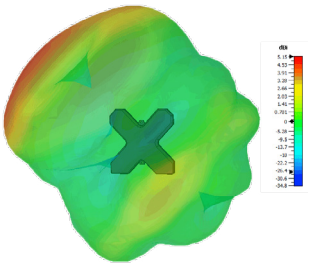
3D Pattern Element 2 (2600MHz)



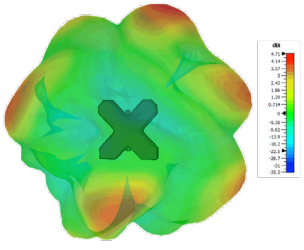
3D Pattern Element 1 (3600MHz)



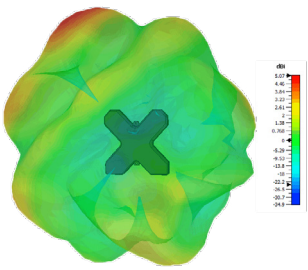
3D Pattern Element 2 (3600MHz)



3D Pattern Element 1 (5400MHz)



3D Pattern Element 2 (5400MHz)



3D patterns simulated in CST Microwave Studio excluding cable loss

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