4x MiMo 4G/5G Antenna DWMM4[G]-6-60

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- 4x4 MiMo 4G/5G antenna solution
- Wall, mast or desk mount
- Optional GPS/GNSS 26dB LNA
- Integrated coaxial cables

The DWMM4[G]-6-60 antenna provides 4x4 MiMo solution for global 4G/5G networks from 617-6000MHz. Incorporating four separately fed ultra wideband elements in a single housing the DWMM4[G] is suitable for a huge range of fixed site and failover applications.

The supplied mounting bracket enables simple wall mounting using the supplied screws and wall plugs and mast mounting using the supplied clamps. The antenna can also be mounted with screws directly to non-conductive panels or internal walls or stood on a desk using supplied mounting feet.

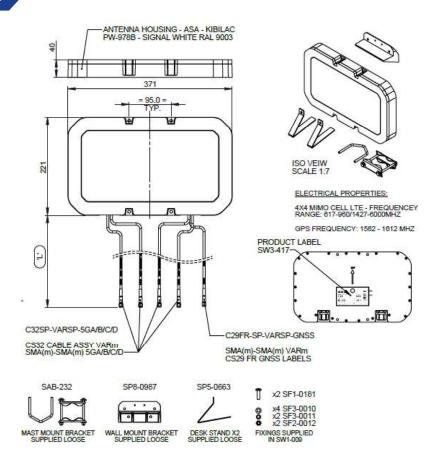
The omni-directional radiation pattern allows easy placement of the antenna without requiring directional alignment.

The DWMM4G type is supplied with an integrated GPS/GNSS module with 26dB LNA gain and advanced filtering to combat noise.

The antenna is fitted with integrated flame retardant CS32 cable (FR CS29 for GPS/GNSS) which minimises exposed connector joints and simplifies cable management for easy installation.

DWMM4G-6-60-5SP Shown

Technical Drawing



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Product Data

		DWMM4G-6-60-5SP	DWMM4G-6-60-5FKJ	DWMM4G-6-60-5NP	DWMM4G-6-60-05N		
Electrical Data							
Frequency Range (MHz)	Elements 1-4	617-960 / 1427-6000					
	Element 5	1559-1612					
Operational Band	Elements 1-4	2G/3G/4G/5G					
	Element 5	GPS/GNSS					
Peak Realised Gain: Isotropic* Elements 1-4	617-960MHz	3.5dBi					
	1427-2700MHz	5dBi					
	3400-4200MHz	6dBi					
	4900-6000MHz	7dBi					
Typical VSWR**		<2.5:1					
Nominal Radiated Efficiency*		> 70%					
Correlation Co-efficient		< 0.1					
Polarisation		+/-45 degrees					
Pattern		Hybrid					
Impedance		50Ω					
Max Input Power (\	∧)	10					
GPS/GNSS Data							
Frequency Range ((MHz)		1559	-1612			
Typical VSWR		<2.5:1					
LNA Gain		26dB (+/-3)					
Polarisation		RHCP					
Operating Voltage		3-5 VDC <20ma					
Mechanical Data							
Dimensions (mm)	Length		371 (14.6")			
	Height Excl Brkt	221 (8.7")					
	Depth	40 (1.57")					
Operating Temp (°C)		-40° / +85°C (-40° / 185°F)					
Radome Material		ASA					
Material Approvals		Radome ASA Material - UL 746C F1, UL 94-HB					
Colour		White					
Ingress Protection		IP66					
Mounting Data							
Fixing	Wall, Mast, Rail or Panel Mount						
Max Mast Diamete	r (mm)	50 (1.96")					
Cable Data							
	Туре	CS32 (EN45545-2 Compliant)					
4G/5G Cables	Diameter (mm)	5 (0.19")					
	Length (m)	5 (16' 4")	5 (16' 4")	5 (16' 4")	0.5 (1'6")		
	Termination	SMA (m)	FAKRA D Jack	N (m)	N(f)		
GPS/GNSS Cables	Туре	CS29 FR (EN45545-2 & UN ECE R118 Compliant)					
	Diameter (mm)	5 (0.19")					
	Length (m)	5 (16' 4") 5 (16' 4") 0.5 (1' 6")					
	• • • •	SMA (m)	FAKRA C Jack	. ,	· · · /		

* Peak gain and efficiency simulated in CST microwave studio for each element in free space excluding cable loss ** Typical VSWR measured with 0.5m (1.5') of cable in free space.

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Part No.

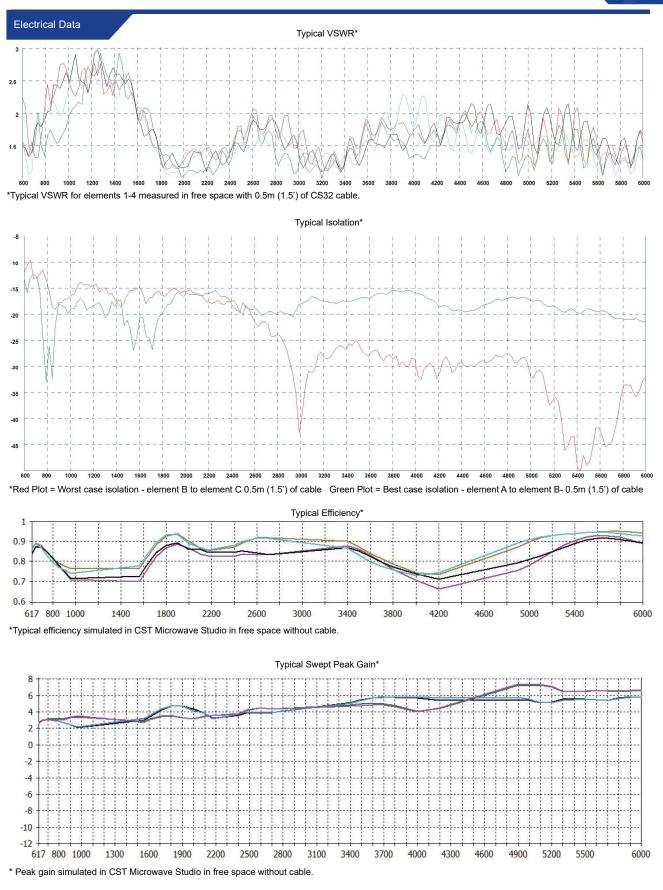
Part No.							
		DWMM4-6-60-5SP	DWMM4-6-60-5FKJ	DWMM4-6-60-5NP	DWMM4-6-60-05N		
Electrical Data							
Frequency Range (MHz)	Elements 1-4	617-960 / 1427-6000					
Operational Band	Elements 1-4 2G/3G/4G/5G						
	617-960MHz	617-960MHz 3.5dBi					
Peak Realised Gain:	1427-2700MHz	5dBi					
Isotropic* Elements 1-4	3400-4200MHz		6dBi				
	4900-6000MHz		7dBi				
Typical VSWR**			<2.5:1				
Nominal Radiated Efficien	cy*	> 70%					
Correlation Co-efficient		< 0.1					
Polarisation		+/-45 degrees					
Pattern		Hybrid					
Impedance		50Ω					
Max Input Power (W)		10					
Mechanical Data							
	Length		371 (
Dimensions (mm)	Height Excl Brkt		221				
	Depth		40 (
Operating Temp (°C)		-40° / +85°C (-40° / 185°F)					
Radome Material		ASA					
Material Approvals		Radome ASA Material - UL 746C F1, UL 94-HB					
Colour		White					
Ingress Protection		IP66					
Mounting Data							
Fixing	xing			Wall, Mast, Rail or Panel Mount			
Max Mast / Rail Diameter	(mm)	50 (1.96")					
Cable Data							
	Туре		CS32 (EN45545-2 & UN ECE R118 Compliant)				
40/50 Ochica	Diameter (mm)		5 (0.19")				
4G/5G Cables	Length (m)	5 (16' 4")	5 (16' 4")	5 (16' 4")	0.5 (1' 6")		
	Termination	SMA (m)	FAKRA D Jack	N (m)	N(f)		
0							

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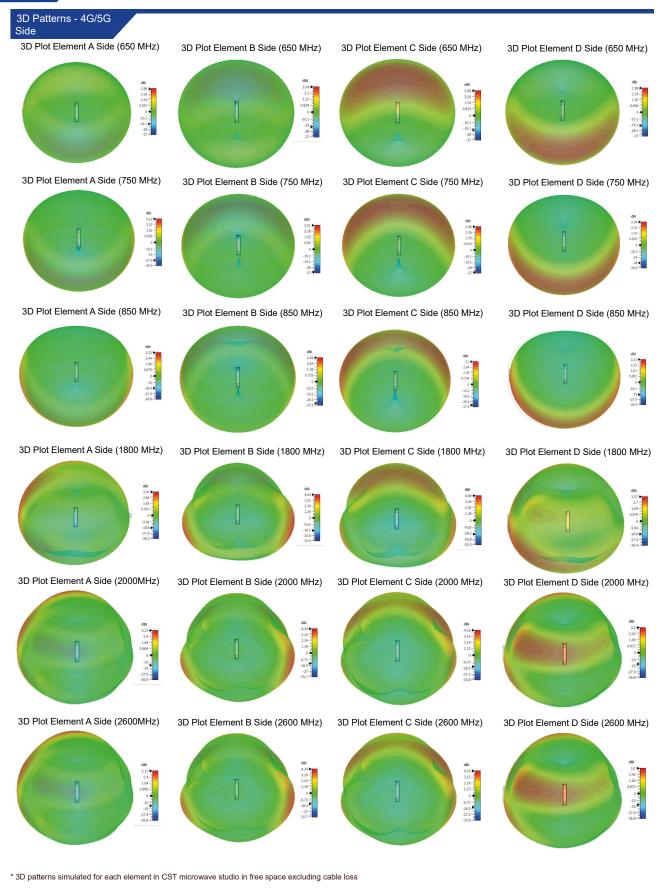
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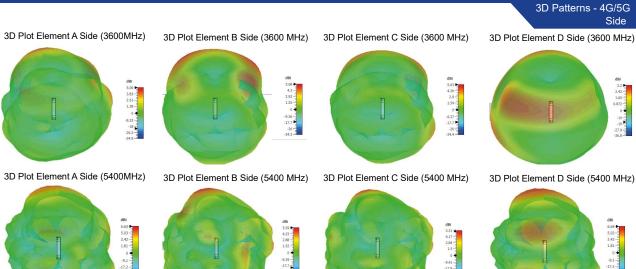
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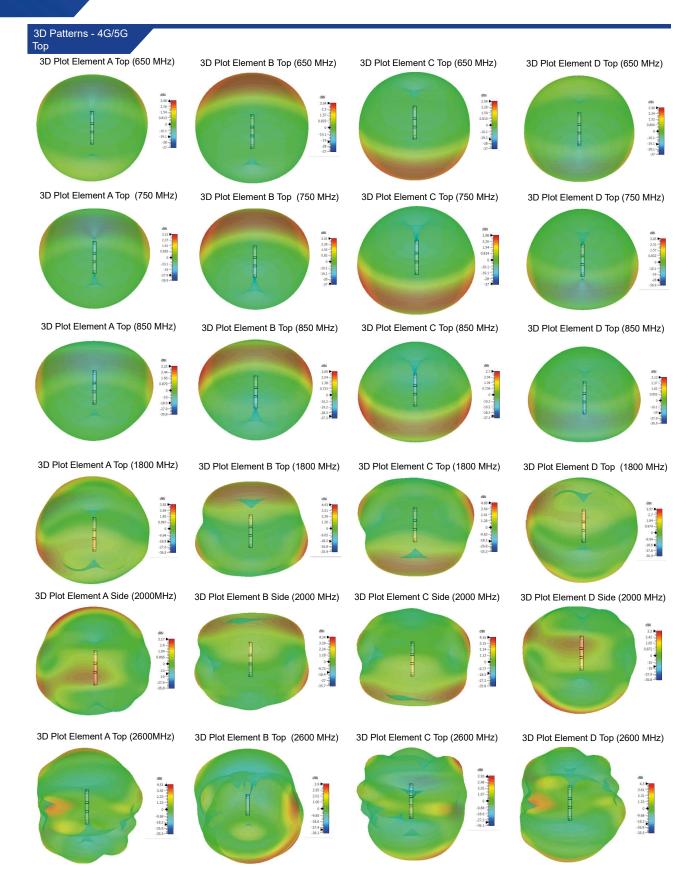


* 3D patterns simulated for each element in CST microwave studio in free space excluding cable loss

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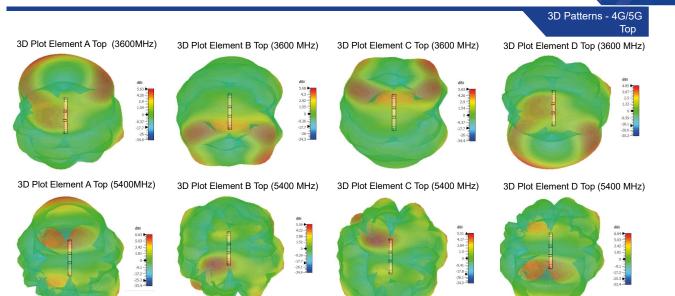
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