

External Mount 4G/5G

MiMo Antenna

WMMG-7-38

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- Supports MiMo & Diversity across 4G/5G
- Two wideband elements with gain
- Durable wall mount housing
- Suitable for mast, wall and desk mounting

The WMMG antenna provides an innovative and future proof solution for 3G/4G and 3.8GHz 5G networks. Incorporating two separately fed ultra wideband elements in a single housing the WMMG is equipped to provide client side MiMo and diversity support for the networks of today and tomorrow. With 2dBi gain at 698-960MHz, 5dBi gain at 1710-2170MHz and 4dBi gain at 2200-3800MHz the WMMG provides extra gain performance where it is needed most.

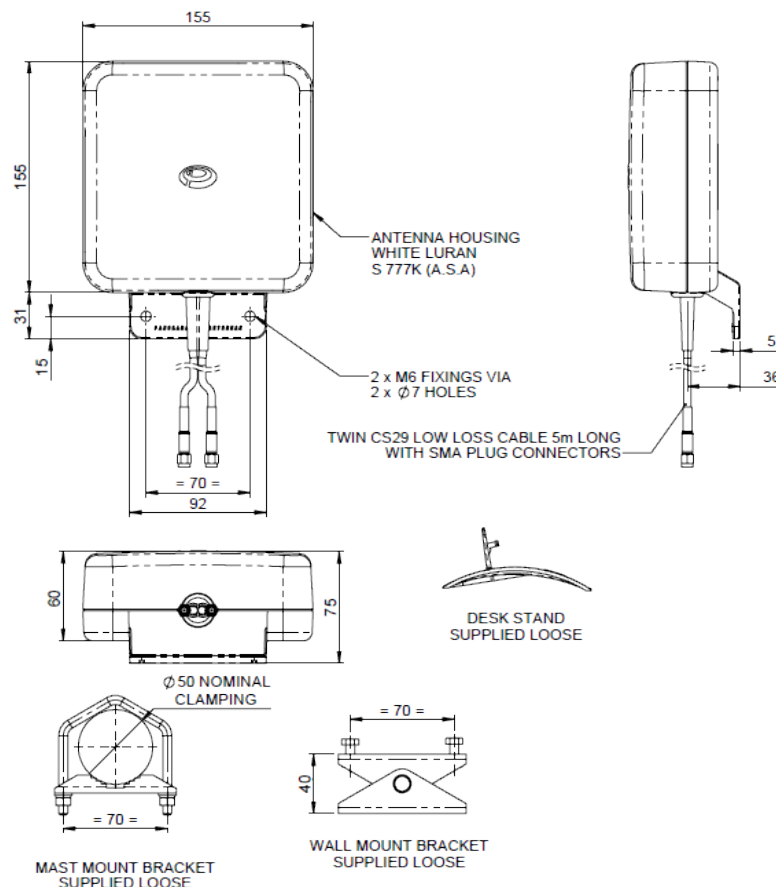
The rugged, weatherproof housing is designed for wall mounting. Wall and mast mount brackets are provided.

5 metres (16') of fitted low loss double shielded twin cable minimises exposed connector joints and simplifies cable management for easy installation. (WMMG-7-38-5SP version)

The WMMG 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

WMMG-7-38-5SP Shown



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Product Data

Part No.		WMMG-7-38-5SP	WMMG-7-38-03NJ
Frequency Range	Element 1	698-960 / 1710-3800 MHz	
	Element 2	698-960 / 1710-3800 MHz	
Operational bands		3G/4G/5G	
VSWR (excluding cable)		< 2:1	<2.5:1
Peak Gain (excluding cable loss)	698-960 MHz	2dBi	
	1710-2170 MHz	5dBi	
	2200-3800MHz	4dBi	
Correlation Co-efficient (all bands)		< 0.2	
Typical Element Isolation		> 20dB	
Max Input Power		20 W	
Impedance		50Ω	
Mechanical Data			
Dimensions	Height	155mm (6.1")	
	Width	155mm (6.1")	
Operating Temp.		-30° / +80°C (-22° / 176°F)	
Material		ASA	
Colour		White	
Weight	1100g	353g	
Ingress Protection		IP65	
Mounting Data			
Fixing		Wall mount / Mast mount / Desk mount	
Mounting Bracket Material		Stainless steel / Aluminium	
Pole Diameter		20-50mm / (0.78 - 1.96")	
Cable Data			
Type		2 x CS29 Coax	
Diameter		5mm (0.2")	
Length	5m (16')	0.3m (1')	
Termination	2x SMA (M)	2x N (F)	

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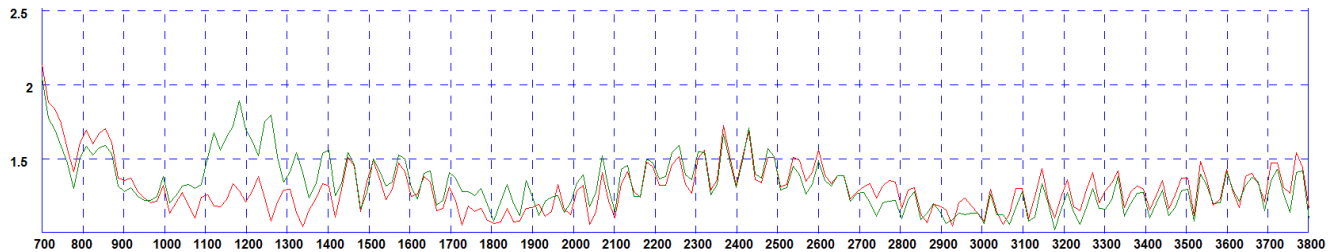
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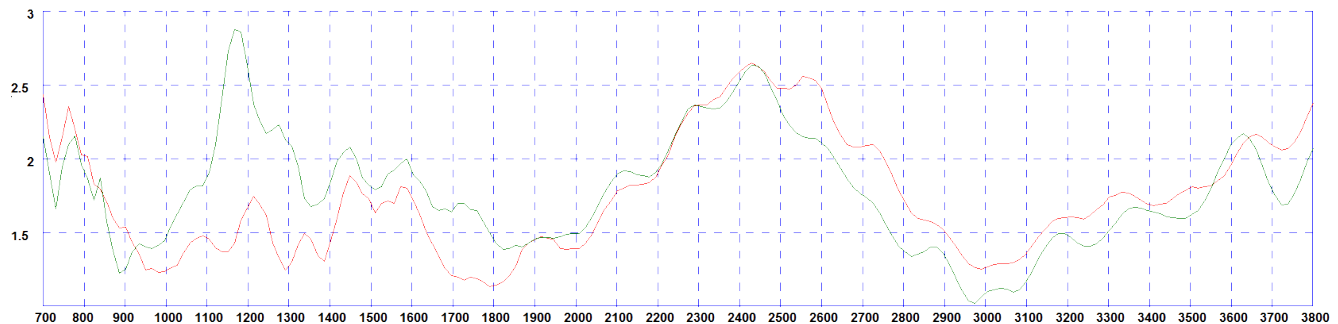
Electrical Data - Cell

Typical VSWR Elements 1 & 2 *



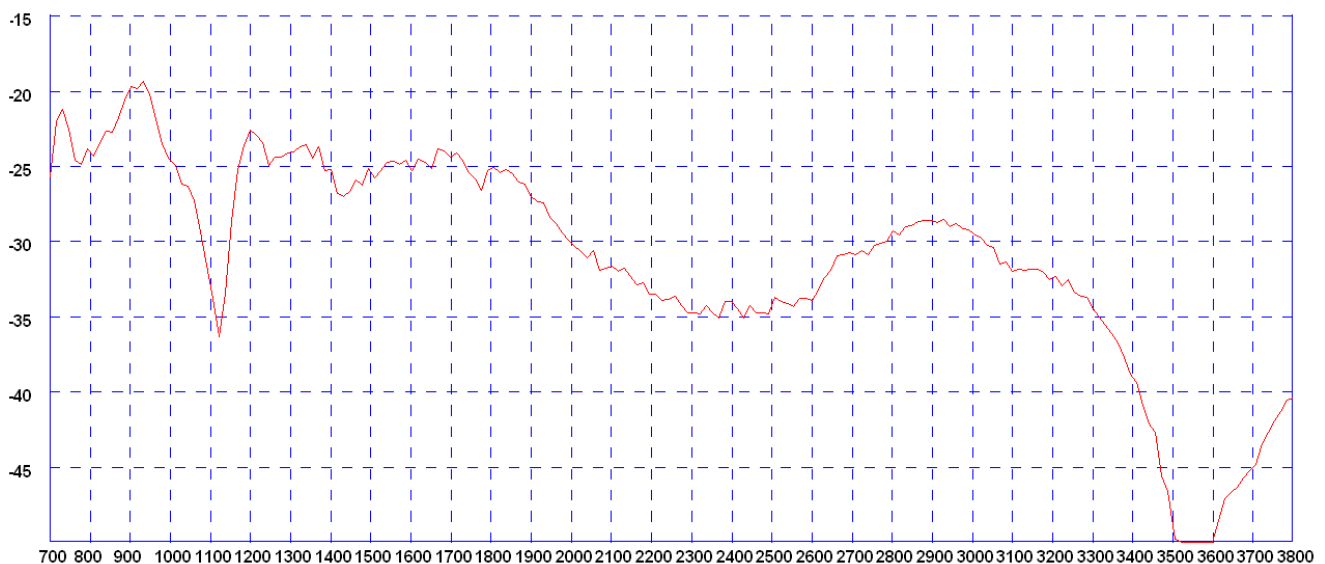
*VSWR Measured with 5m (16') of CS29 cable

Typical VSWR Elements 1 & 2 *



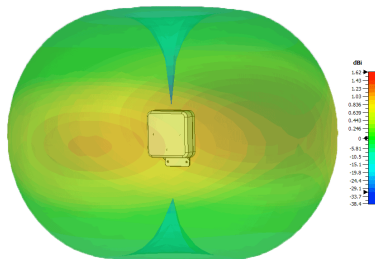
*VSWR measured without cable

Typical Isolation Elements 1 & 2 *

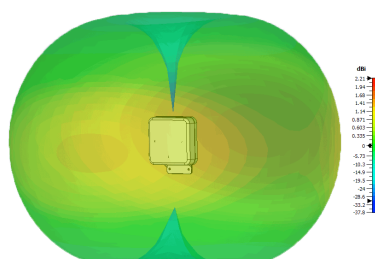


* Isolation measured with 5m (16') of CS29 cable

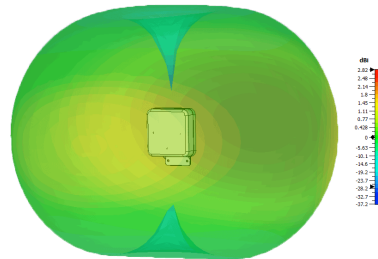
3D Gain Plot (750MHz)



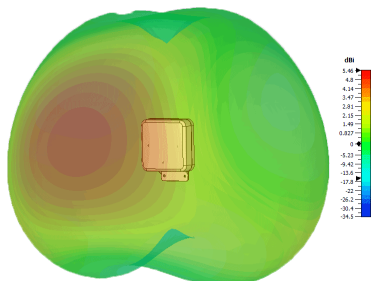
3D Gain Plot (850MHz)



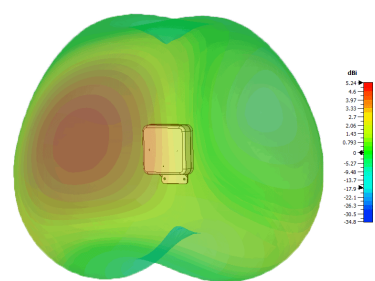
3D Gain Plot (950MHz)



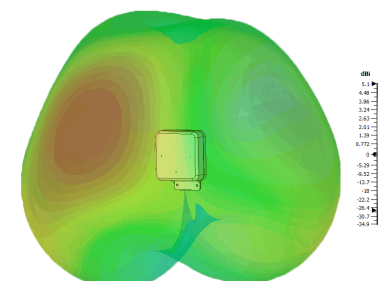
3D Gain Plot (1800MHz)



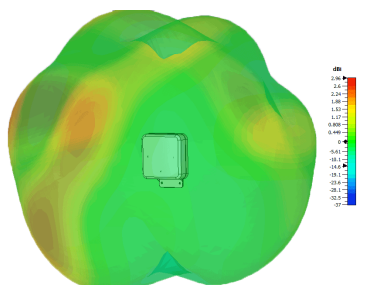
3D Gain Plot (1900MHz)



3D Gain Plot (2100MHz)



3D Gain Plot (2600MHz)



3D Gain Plot (3600MHz)

