

USL-1007311 MiMo 5G/LTE-Antenna



- 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.

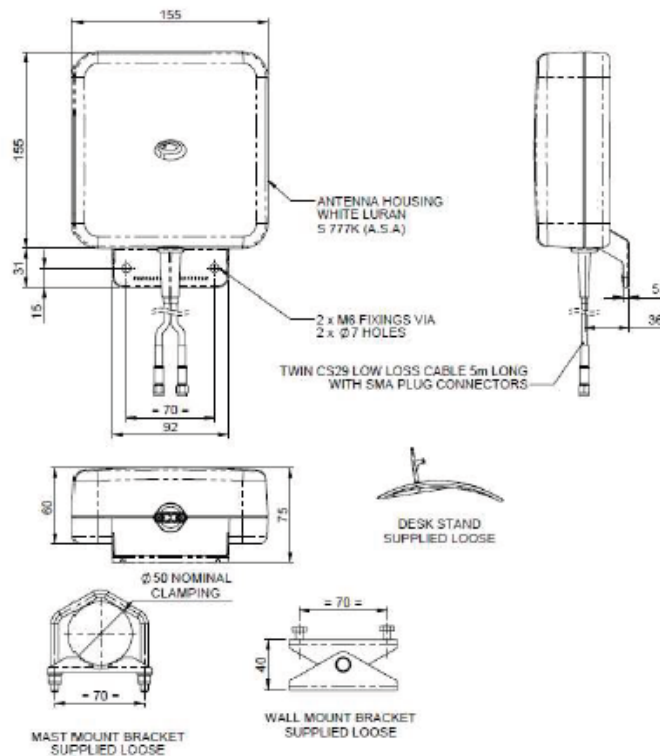
The rugged, weatherproof housing is designed for wall mounting. Wall and mast mount brackets are provided.

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

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

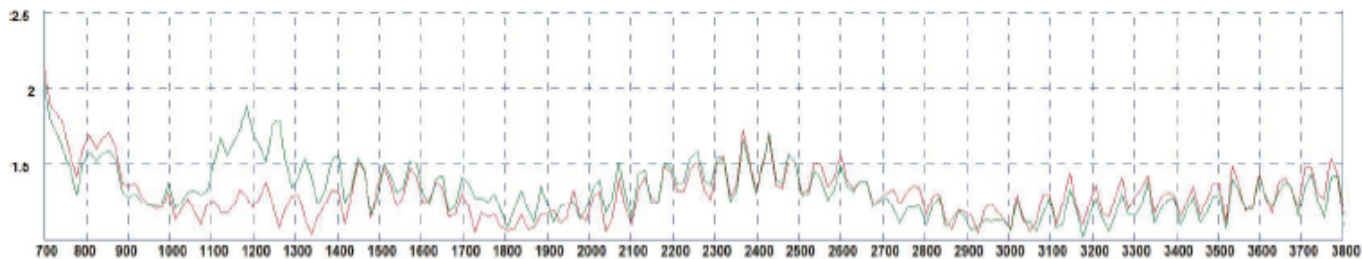


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| Part No. | WMMG-7-38-5SP | | WMMG-7-38-03NJ |
|--|--------------------------------------|-------------------------|----------------|
| Frequency Range | Element 1 | 698-960 / 1710-3800 MHz | |
| | Element 2 | 698-960 / 1710-3800 MHz | |
| Operational 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 | 2 x SMA (m) | 2x N(f) | |

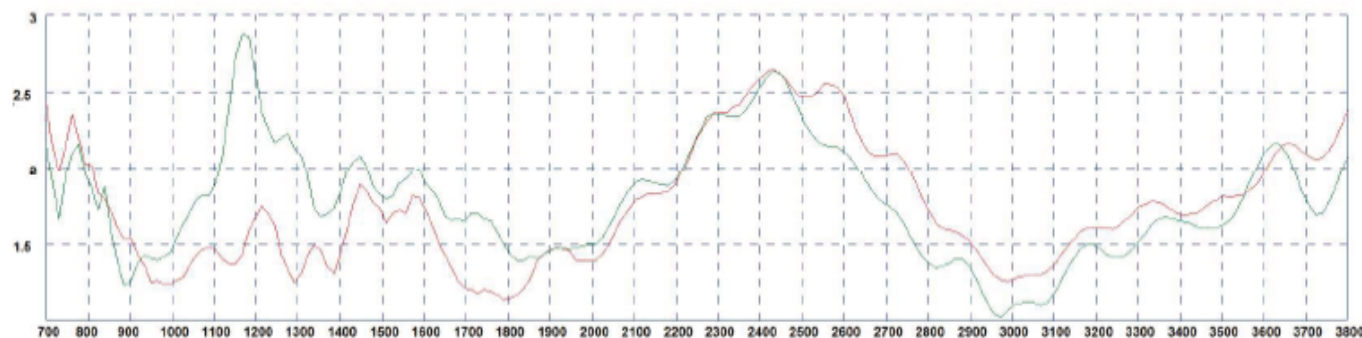
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Typical VSWR Elements 1 & 2 *



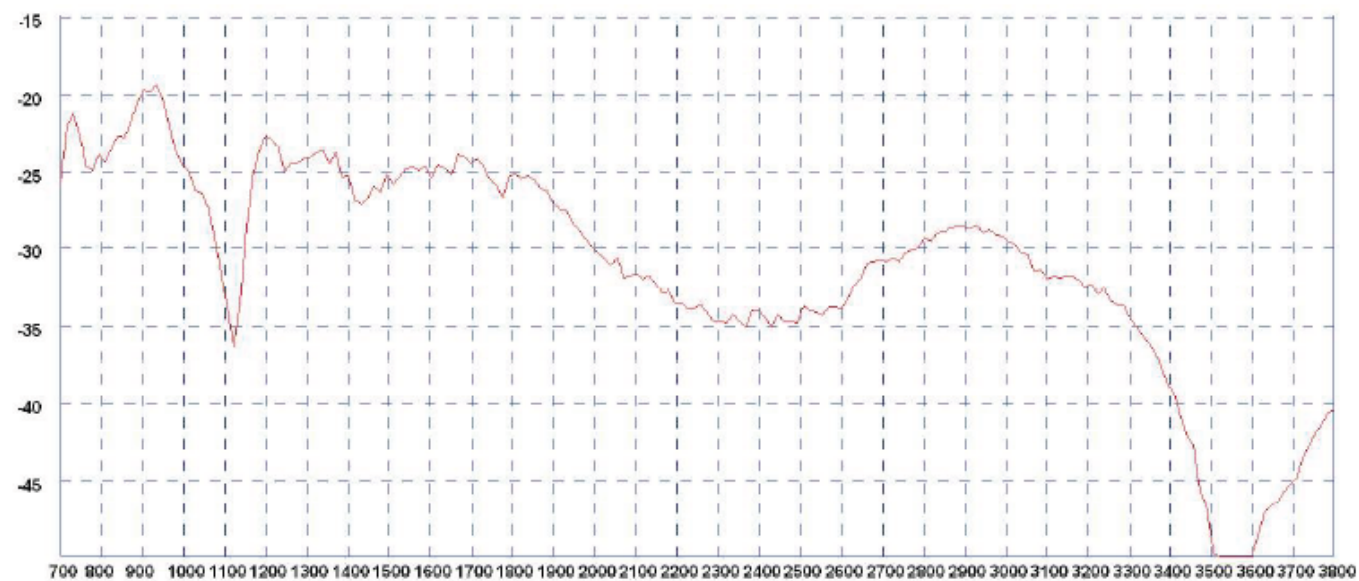
*VSWR Measured with 5m (16') of CS29 cable

Typical VSWR Elements 1 & 2 *



*VSWR measured without cable

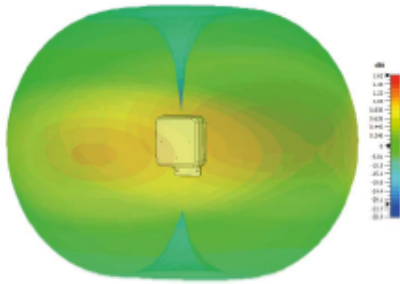
Typical Isolation Elements 1 & 2 *



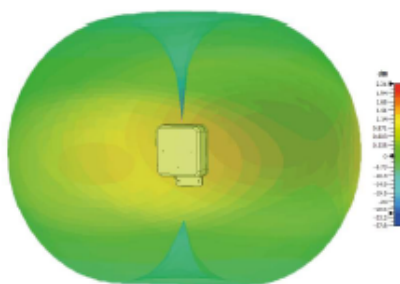
* Isolation measured with 5m (16') of CS29 cable

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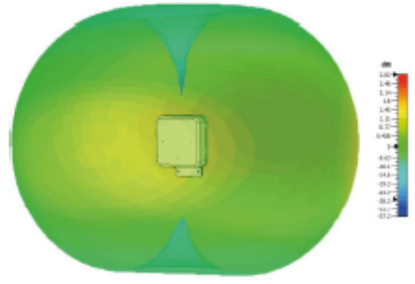
3D Gain Plot (750MHz)



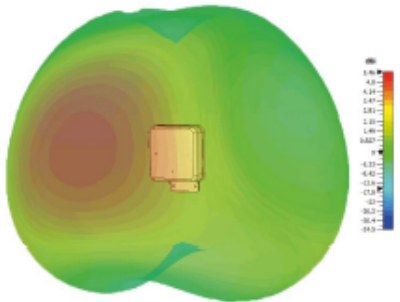
3D Gain Plot (850MHz)



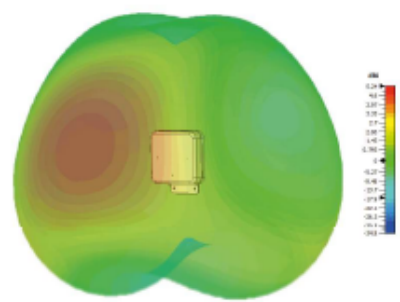
3D Gain Plot (950MHz)



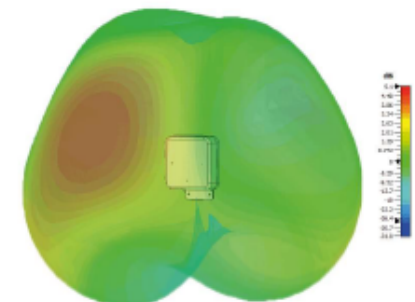
3D Gain Plot (1800MHz)



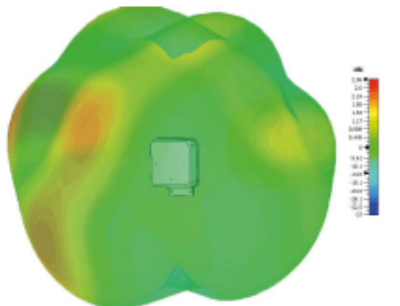
3D Gain Plot (1900MHz)



3D Gain Plot (2100MHz)



3D Gain Plot (2600MHz)



3D Gain Plot (3600MHz)

