## Ultra Low Profile MiMo WiFi Antenna

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L[G]M[X]-24-58-5RPSP

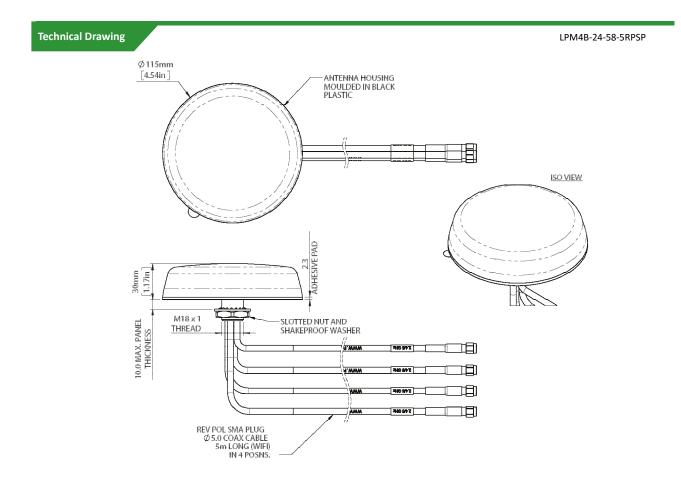


### Ultra Low Profile Up to 4 x 4 MiMo Dual Band WiFi Optional GPS/GNSS Active Antenna 26dB LNA Meets IP69K\*\* and IK10

The L[G]M[X]-24-58 range has been designed to provide MiMo dual band WiFI coverage in an ultra low profile package. The compact, robust low-profile housing contains up to four antenna elements with effective isolation and low correlation covering 2.4-2.5/4.9-6GHz.

The antenna is designed to be panel mounted on vehicles or devices and can be fitted on a conductive or non- conductive panel. Supplied with integrated flame retardant CS32 cables (Compliant to UNECE 118.01 and EN45545-2) and a halogen free flame retardant radome the antenna is suitable for many environments and applications.

The LGM variants have an integrated GPS/GNSS module with 26dB LNA gain. The antenna is available with a black or white radome.



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**Product Data** 

L[G]M[X]-24-58-5RPSP

Part No.		LPM2-24-58-5RPSP	LPM3-24-58-5RPSP	LPM4-24-58-5RPSP	LGM2-24-58-5RPSP	LGM3-24-58-5RPSP	LGM4-24-58-5RPS
	Elements 1 -4	2.4/5.0 GHz					
Frequency Range	Element 5		-			1562-1612MHz	
Peak Gain: Isotropic +	Element 1 -4: 2.4-2.5GHz	4dBi	4dBi	6dBi	4dBi	4dBi	6dBi
	Elements 1 -4: 4.9- 6.0GHz	5dBi	6dBi	9dBi	5dBi	6dBi	9dBi
Typical VSWR*		<2:1					
Typical Isolation*		>12dB					
Pattern		Omni-directional					
Nominal Impedance		50Ω					
Max Input Power (W	)	10					
GPS/GNSS Data - Ele	ement 5						
Frequency Range			-			1562-1612MHz	
LNA Gain			-			26dB	
Polarisation		- Right Hand Circular					
Operating Voltage		3-5VDC (Fed via Coax)					
Current			-			Typical <20mA	
Mechanical Data							
	Diameter	115 (4.52")					
	Height	30 (1.18")					
Operating Temp	-30° / +70°C (-22° / 158°F)						
Material	UV Stable ASA Plastic (Black)   Geloy PC/ASA (White)						
Colour	Black or White (Add 'W' to part number for White i.e. LPM2W-24-58-5RPSP)						
IP Rating		IP69K**					
Vandal Protection		IK10					
Typical Weight		175g	200g	225g	200g	225g	250g
Mounting Data							
Fixing		Panel Mount - 18mm (3/4")					
Cable Data							
Elements 1 - 4: WiFi	Cable Type	CS32 Flame Retardant to UN118.01 / EN6722 / EN45545-2					
	Diameter	5mm (0.2")					
	Length	5m ( 17')					
	Termination	4x Rev Pol SMA Plugs					

+ Peak gain simulated with all elements fed on 600x600mm ground plane excluding cable loss

\* Typical Isolation and VSWR stated as measured with 0.5m (1.5') of cable

\*\*when installed according to SW3-996

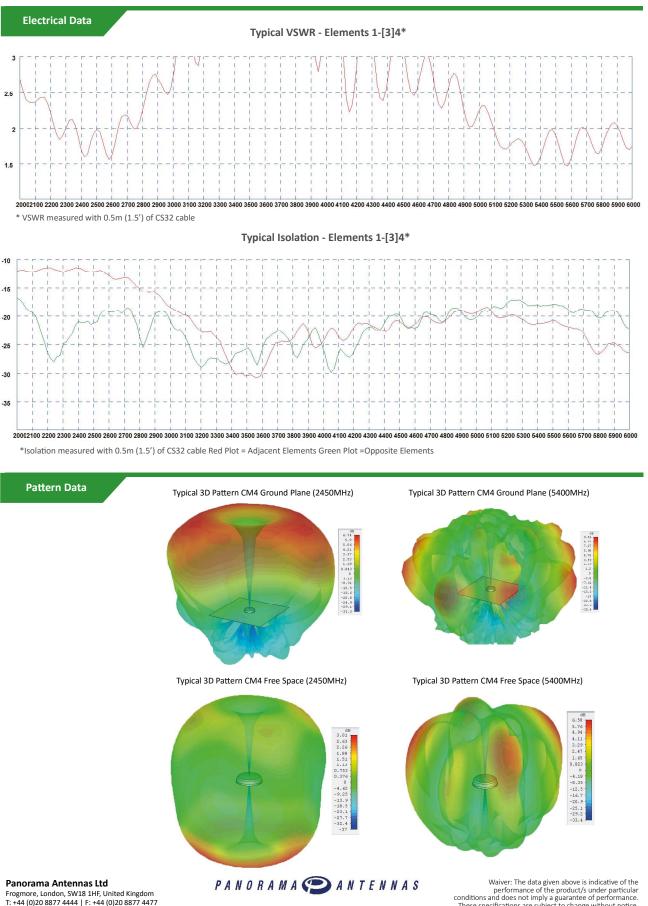
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