Ultra Compact MiMo 3.6/5.0GHz Antenna

LPPM[X]-36-55-[VAR]

Ultra Compact

Dual Band Private LTE / CBRS 3.6/5.0

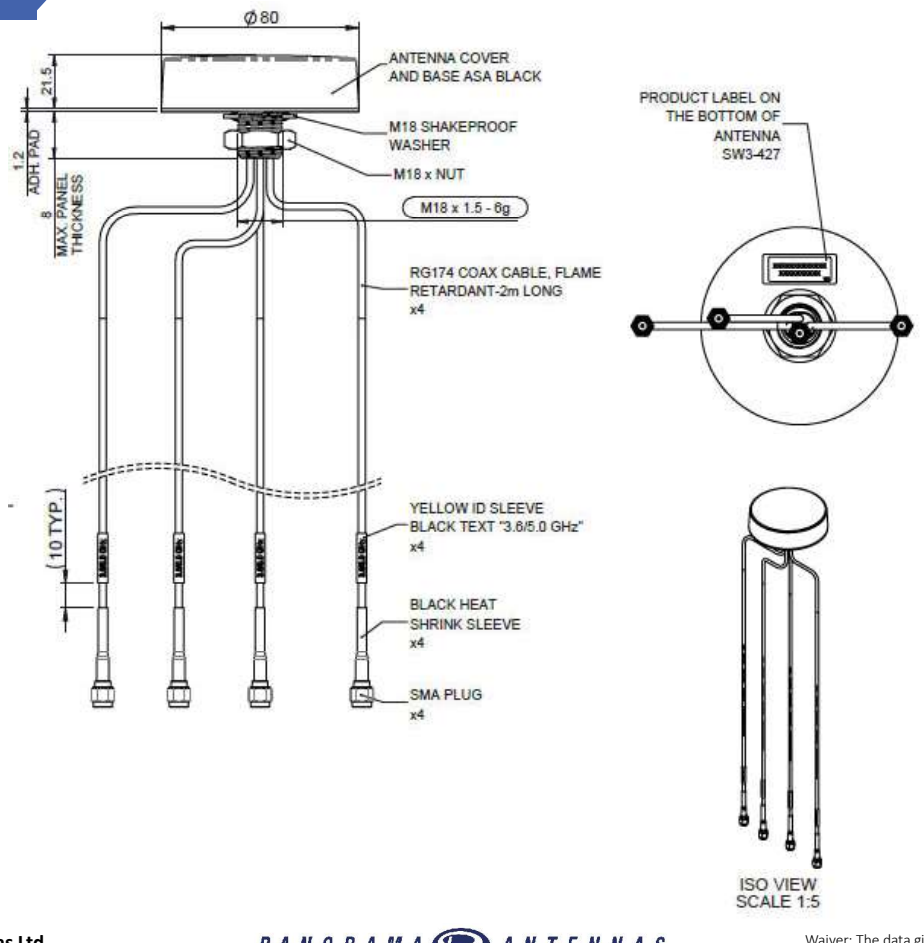
Up to 4 x 4 MiMo

The LPPM[X]-36-55 range has been designed to provide MiMo dual band 3.6/5.0GHz coverage for private LTE / CBRS 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 3.4-3.8/4.9-6GHz.

The antenna is designed to be panel mounted and can be fitted on a conductive or non- conductive panel. Supplied with integrated RG174 cable the antenna is suitable for many environments.

Technical Drawing

LPPM4-36-55-2SP Shown



Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom
T: +44 (0)20 8877 4444 | F: +44 (0)20 8877 4477
E: sales@panorama-antennas.com
W: www.panorama-antennas.com

16/06/2020 V1

Ultra Compact MiMo 3.6/5.0GHz Antenna

LPPM[X]-36-55-[VAR]

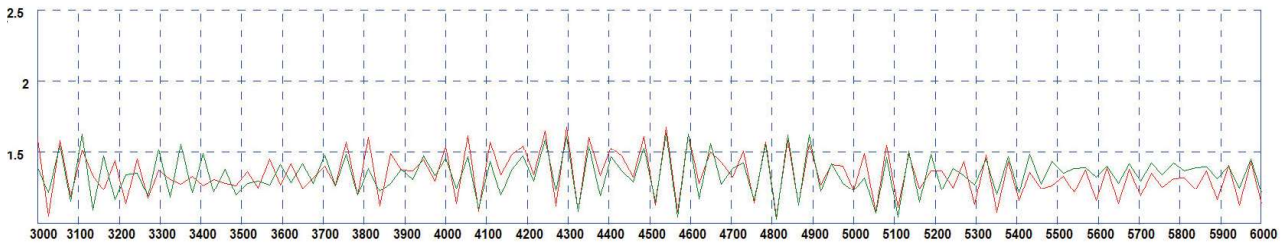
PANORAMA ANTENNAS

Product Data

Part No.		LPPM4-36-55-2SP
		4x 3.6/5.0 GHz
Peak Gain: Isotropic ǂ	3.4-3.8GHz	2dBi
	4.9-6.0GHz	4dBi
Typical VSWR*		< 2:1
Typical Isolation*		> 20dB
Pattern		Omni-directional
Nominal Impedance		50Ω
Max Input Power		10W
Mechanical Data		
Dimensions	Diameter	80mm (3.15”)
	Height	21.5mm (0.85”)
Operating Temp.		-30° / +70°C (-22° / 158°F)
Material		ASA
Colour		Black
IP Rating		IP66 / IP69K**
Typical Weight		170g
Mounting Data		
Fixing		Panel Mount - 18mm (3/4”)
Cable Data		
WiFi Cables	Cable Type	FR RG174
	Diameter	3mm (0.1”)
	Length	2m (6’)
	Termination	SMA (m)

Product Data

Typical VSWR - Elements 1-4*



* VSWR measured with 2m (6’) of RG174 cable in free space - RED TRACE and on a 600x600mm Ground plane - GREEN TRACE

ǂ Peak gain simulated with all elements fed in free space excluding cable loss
* Typical Isolation and VSWR stated as measured in free space with 2m (6’) of cable
**When installed in accordance with SW3-996

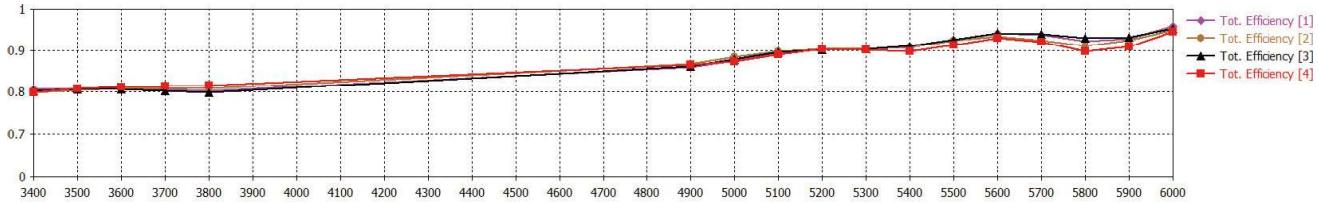
Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom
T: +44 (0)20 8877 4444 | F: +44 (0)20 8877 4477
E: sales@panorama-antennas.com
W: www.panorama-antennas.com

PANORAMA ANTENNAS

16/06/2020 V1

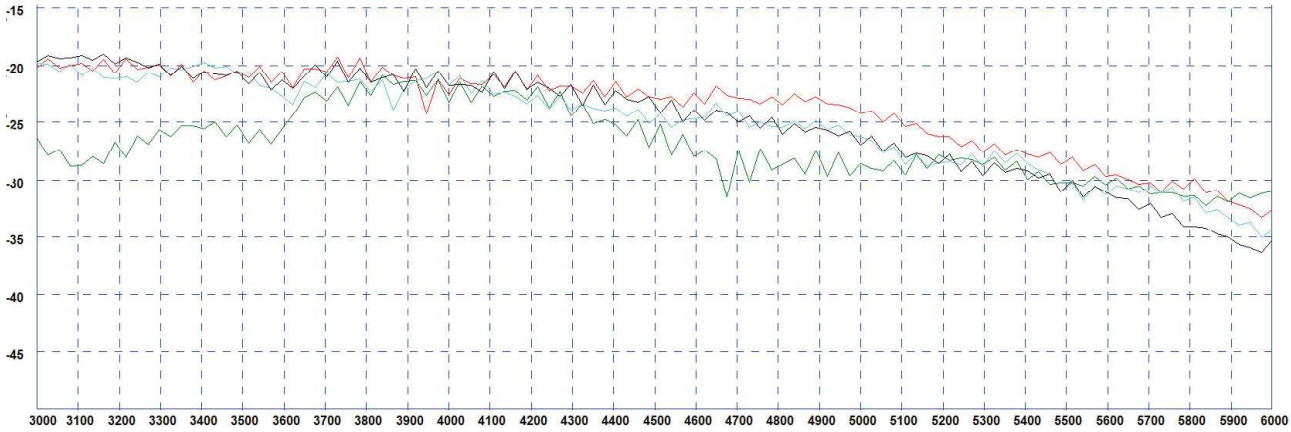
Electrical Data

Typical Efficiency - Elements 1-4*



* Efficiency simulated in CST Microwave Studio in free space without cable

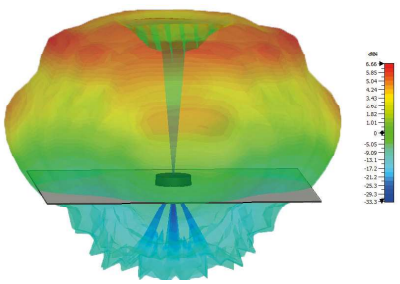
Typical Isolation*



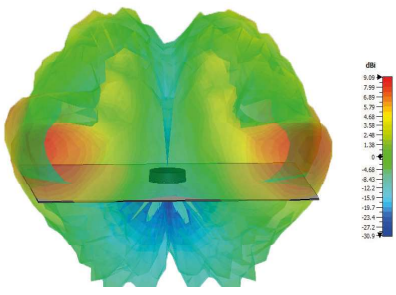
*Typical Isolation measured with 2m RG174 cable in free space Red Trace = elements 1-2 Green Trace= Elements 1-3 Blue Trace = Elements1-4 Black Trace = Elements 2-3

Pattern Data

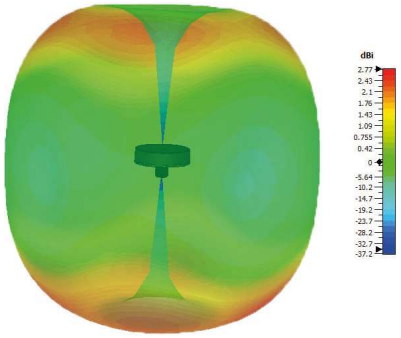
Typical 3D Pattern Ground Plane (3600MHz)



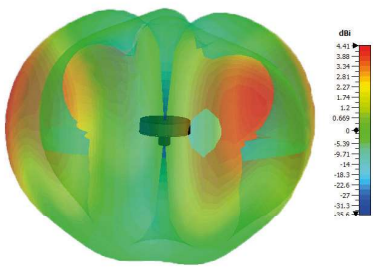
Typical 3D Pattern Ground Plane (5400MHz)



Typical 3D Pattern Free Space (3600MHz)



Typical 3D Pattern Free Space (5400MHz)



Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom
T: +44 (0)20 8877 4444 | F: +44 (0)20 8877 4477
E: sales@panorama-antennas.com
W: www.panorama-antennas.com