



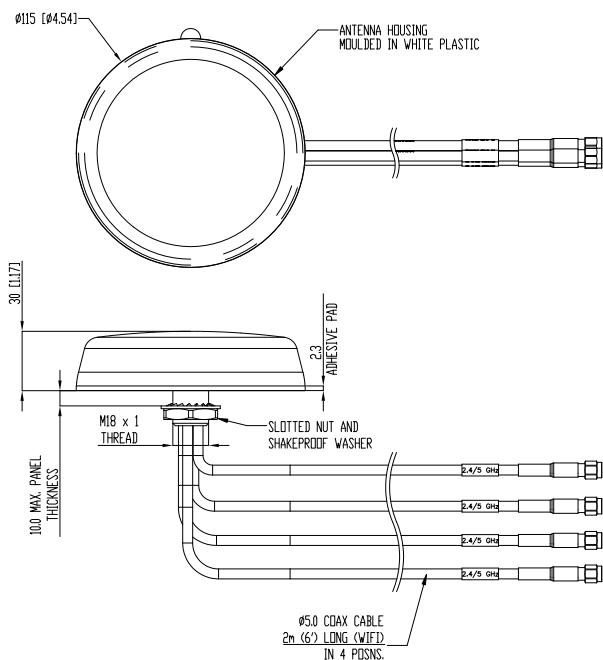
# LOW PROFILE MIMO WIFI ANTENNA

## CEILING MOUNT UP TO 4X4 MIMO DUAL BAND WIFI ANTENNA EN45545-2 CERTIFIED

The Low Profile Wifi antenna 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 ceiling mounted 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.

### Technical Drawing



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Versions				
		2x 2.4/5.0 GHz	3x 2.4/5.0 GHz	4x 2.4/5.0 GHz
Electrical Data				
Peak Gain: Isotropic*	2.4-2.5GHz	4dBi	4dBi	6dBi
	4.9-6GHz	5dBi	6dBi	9dBi
Typical VSWR*	<2:1			
Typical Isolation	>12dB			
Pattern	Omni Directional			
Impedance	50Ω			
Max Input Power (W)	10W			
Mechanical Data				
Dimensions (mm)	Diameter	115 (4.52")		
	Height	30mm (1.18")		
Operating Temp (°C)	-30 to +70°C (-22 to 158°F)			
Material	Geloy HRA 222F white			
Approx Weight (g)	225 gram			
Regulatory approvals	EN45545-2 : HL 1-3			
Mounting Data				
Fixing	Panel Mount - 18mm (3/4")			
Cable Data				
Cable Type all feeds	CS32 Flame Retardant to UN118.01 / EN6722 / EN45545-2			
Diameter	5mm (0.2")			
Length	2m (6')			
Termination	Rev Pol SMA plug	2344721-1	2344721-2	2344721-3
	Right Angle N-plug	2344721-4	2344721-5	2344721-6

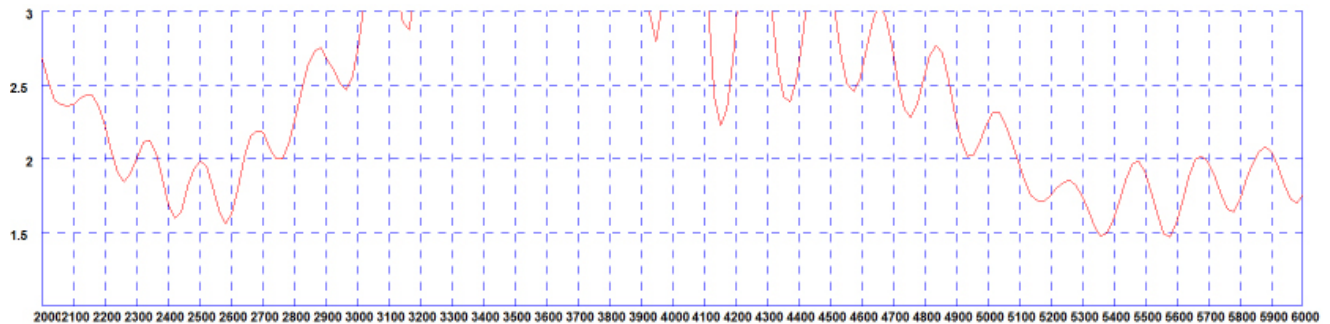
\* Peak gain simulated with all elements fed on 600x600mm ground plane excluding cable loss

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

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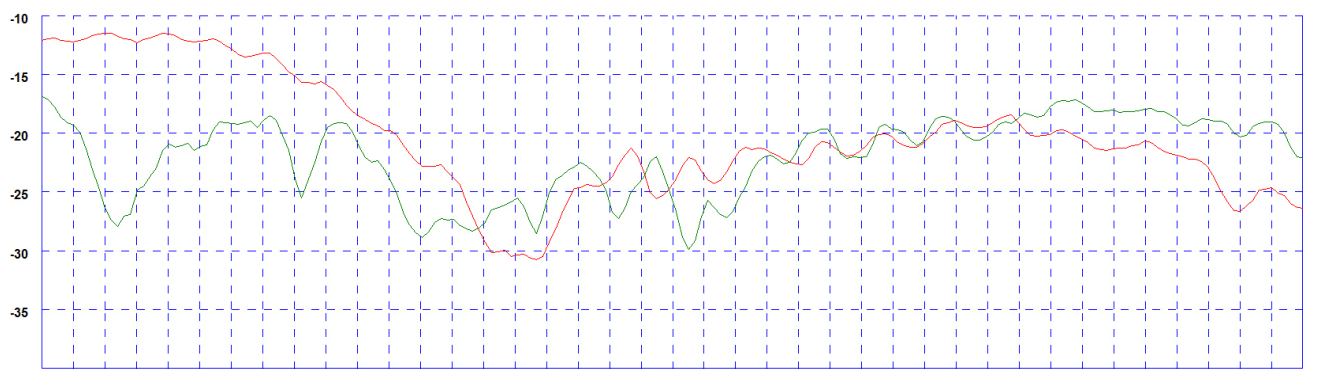
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Typical VSWR - Elements 1-[3]4\*



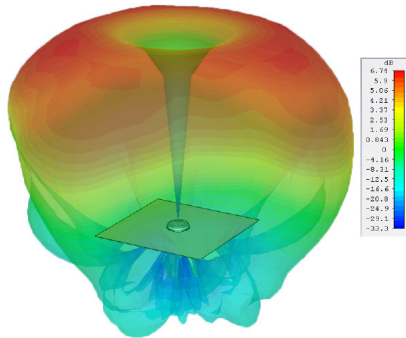
\* VSWR measured with 0.5m (1.5') of CS32 cable

Typical Isolation - Elements 1-[3]4\*

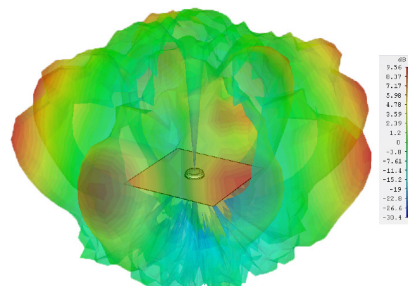


\*Isolation measured with 0.5m (1.5') of CS32 cable Red Plot = Adjacent Elements Green Plot =Opposite Elements

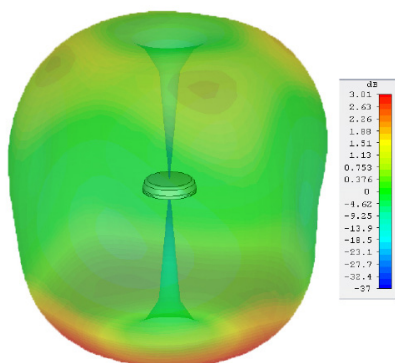
Typical 3D Pattern CM4 Ground Plane (2450MHz)



Typical 3D Pattern CM4 Ground Plane (5400MHz)



Typical 3D Pattern CM4 Free Space (2450MHz)



Typical 3D Pattern CM4 Free Space (5400MHz)

