Nextivity

Panorama Submission – Fixed Antennas

WiFi Paddle: PWB-24-58-72-RSMARV

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PWB-24-58-72-RSMARV (WiFi Paddle)

INTRODUCTION

The PWB-24-58-72 antenna is a ground plane independent antenna covering global WiFi 6e bands in the ranges 2400-2495 / 5150-7125MHz.

Designed for direct mounting to modems and routers the PWB-24-58-72 range is fitted with either an articulated reverse polarity SMA plug for flexible positioning.

	Included Functions
	• Covers 2400-7125MHz WiFi Bands • Support extended WiFi 6e frequencies • Supplied with Right Angle Hinge Joint

WiFi 6e Paddle Antenna

PWB-24-58-72[-VAR]

Antenna Type: Dipole

PWB-24-58-72[-VAR]

- Supports extended WiFi 6e frequencies
- Suitable for routers and terminals
- Articulated FAKRA I jack or reverse polarity SMA plug

The PWB-24-58-72 antenna is a ground plane independent antenna covering global WiFi 6e bands in the ranges 2400-2495 / 5150-7125MHz.

Designed for direct mounting to modems and routers the PWB-24-58-72 range is fitted with either an articulated reverse polarity SMA plug or FAKRA I jack for flexible positioning.

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Product Data

Part No.		PWB-24-58-72-RSMARV	PWB-24-58-72-RFIJ
Electrical Data			
Frequency Range (MHz)		2400-2495 / 5150-7125	
Polarisation		Vertical	
Pattern		Omni-directional	
Impedance		50Ω	
Max Input Power (W)		5	
Mechanical Data			
Dimensions (mm)	Length	163 (6.4”)	
	Width	22 (0.8”)	
	Thickness	7 (0.27”)	
Material		ASA	
Operating Temp (°C)		-40°/ 176°F (-40° / +80°C)	
Colour		Black	
Termination Data			
Type		Reverse Polarity SMA Plug	Fakra I Jack

Electrical Data

Measurement Conditions	WiFi Antenna			
	Frequency Range (MHz)	Bands	Peak Gain (dBi)	Efficiency (%)
Measured in 3D anechoic chamber in free space				
	2400-2495	2.4GHz	2.8	64
	5150-5250	U-NII-1	2.2	47
	5250-5350	U-NII-2A	2.7	50
	5350-5470	U-NII-2B	3	55
	5470-5725	U-NII-2C	3	54
	5725-5850	U-NII-3	1.9	48
	5935-6415	U-NII-5	2	50
	6435-6515	U-NII-6	2.6	50
	6535-6875	U-NII-7	2.6	49
	6875-7115	U-NII-8	1.7	40

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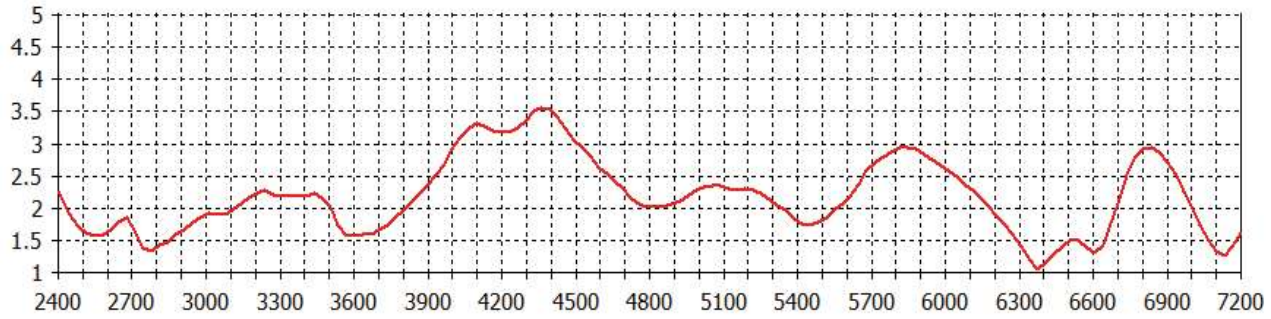
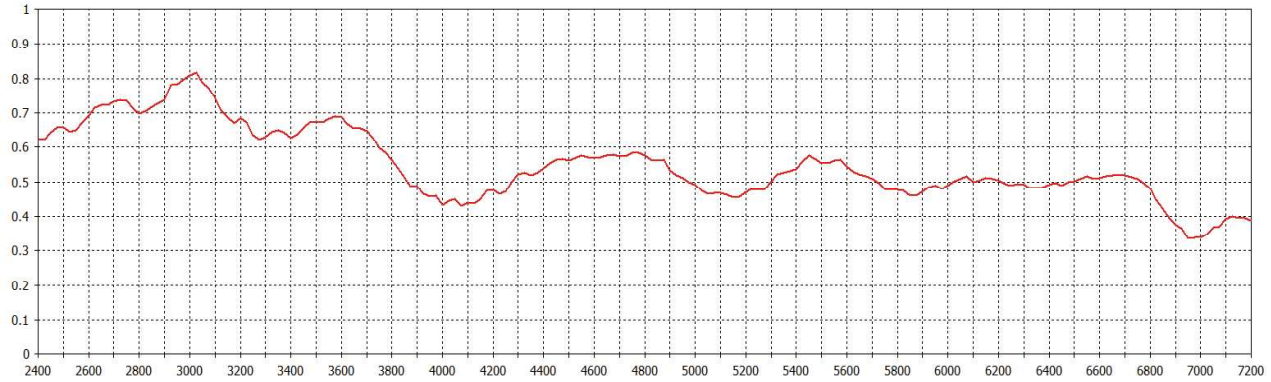
Electrical Data

Typical VSWR*



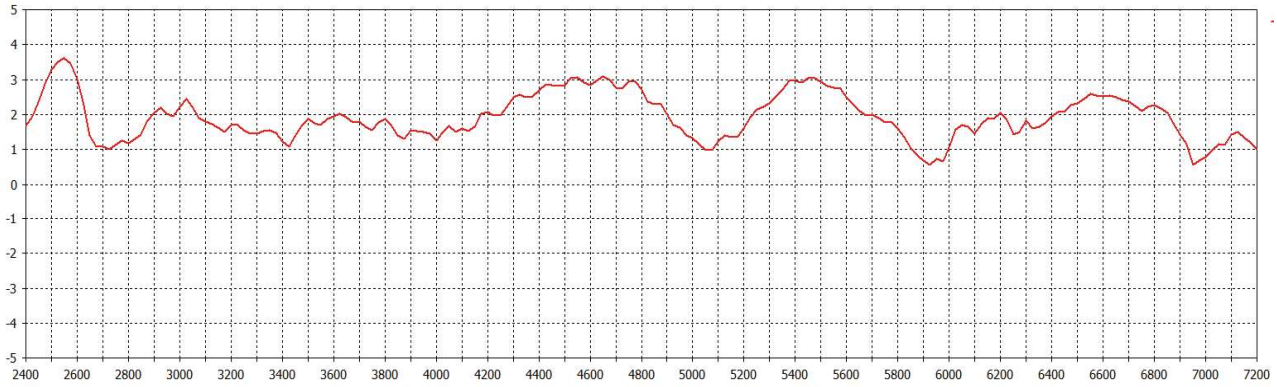
*VSWR measured in free space.

Typical Efficiency*



*Efficiency measured in free space.

Typical Peak Gain*



*Peak gain measured in free space.

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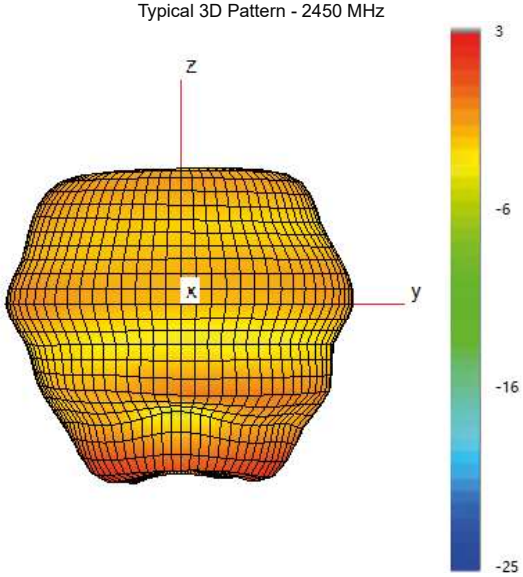
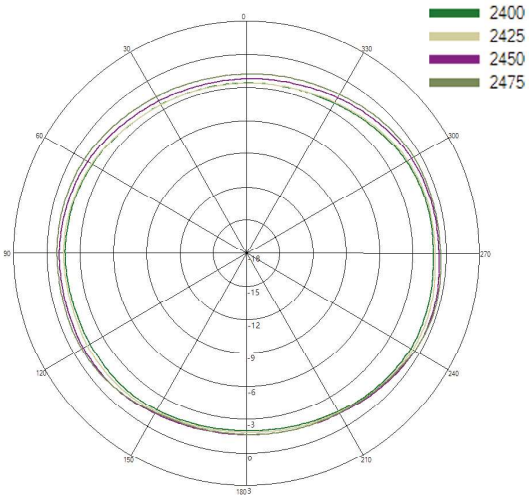
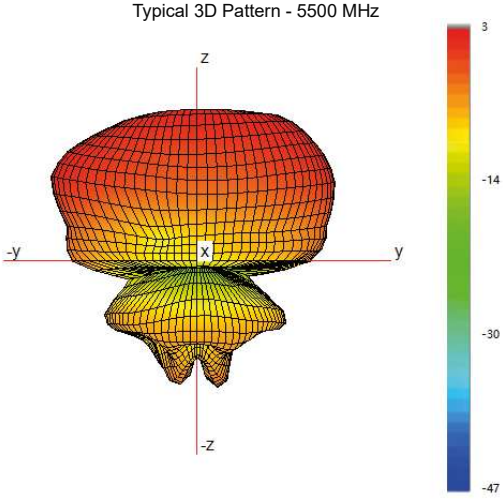
Typical 3D Pattern - 2450 MHz



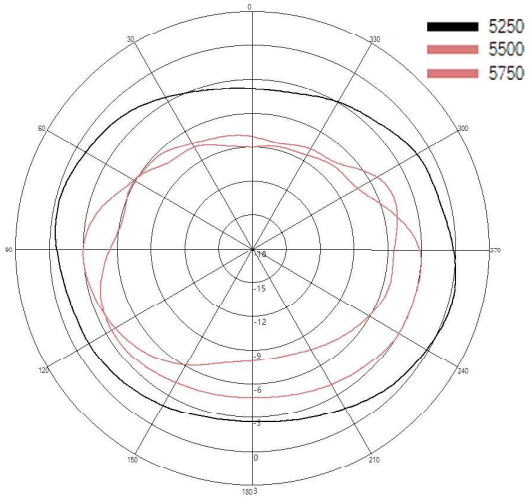
Typical H Plane Patterns- 2400-2500MHz



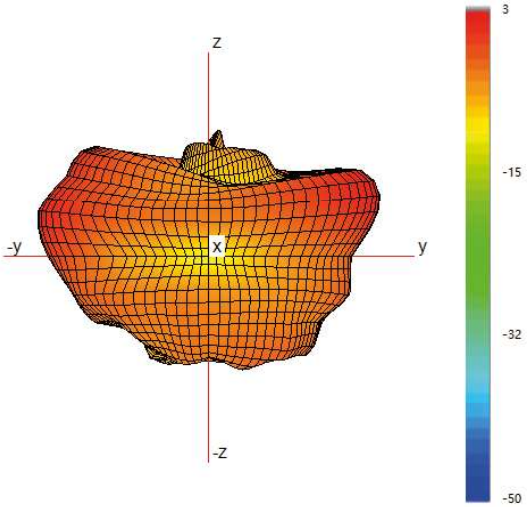
Typical 3D Pattern - 5500 MHz



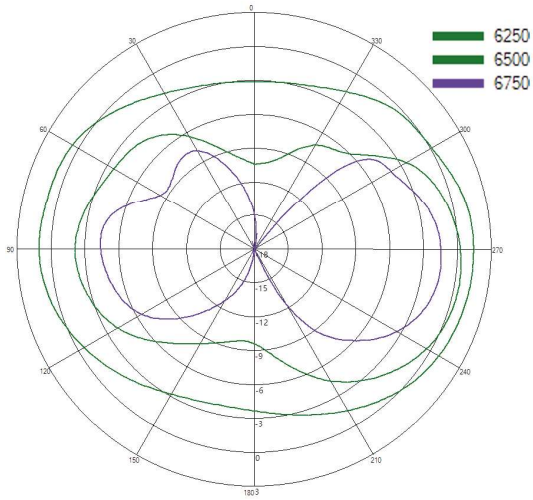
Typical H Plane Patterns - 5250-5750 MHz



Typical 3D Pattern - 6500 MHz



Typical H Plane Patterns - 6250-6750 MHz



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