

WM324

					DSGD.			
					CHKD.	TITLE WM324	ANT INFORMATION	
					APPD.			
					ALPSALPINE CO., LTD.			
SYMB.	DATA OR NO.	APPD.	CHKD.	DSGD.				

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1. INFORMATION FOR THE ANTENNA

Manufacturer :

ALPSALPINE CO., LTD.
6-3-36 Furukawanakazato, Osaki-city, Miyagi-pref., 989-6181 Japan

Model Name:

WM324

Frequency range:

2412 - 2472MHz

Antenna Gain:

3.14dBi max

Antenna Type:

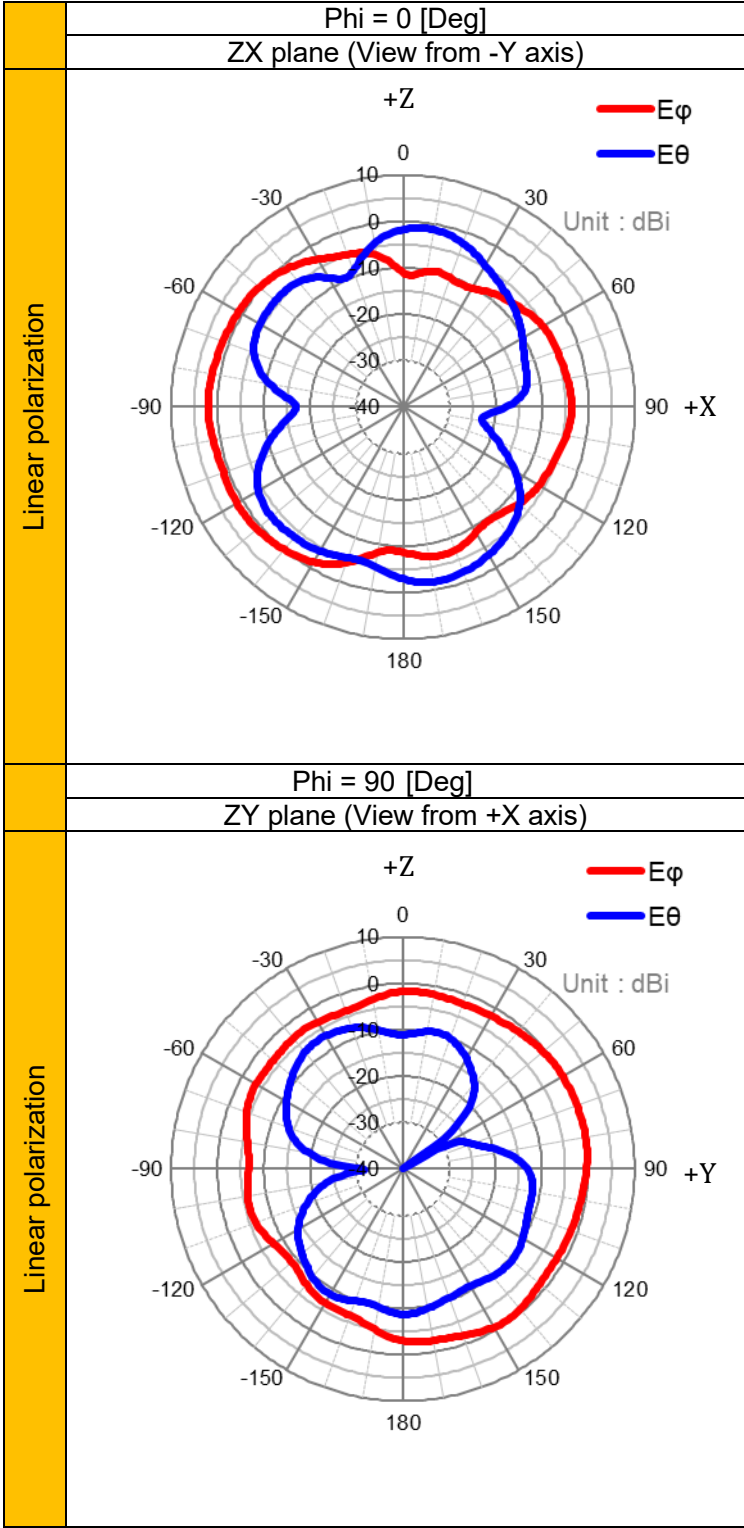
Inverted-L Antenna

Connector of antenna:

N/A (Printed pattern on the circuit board)

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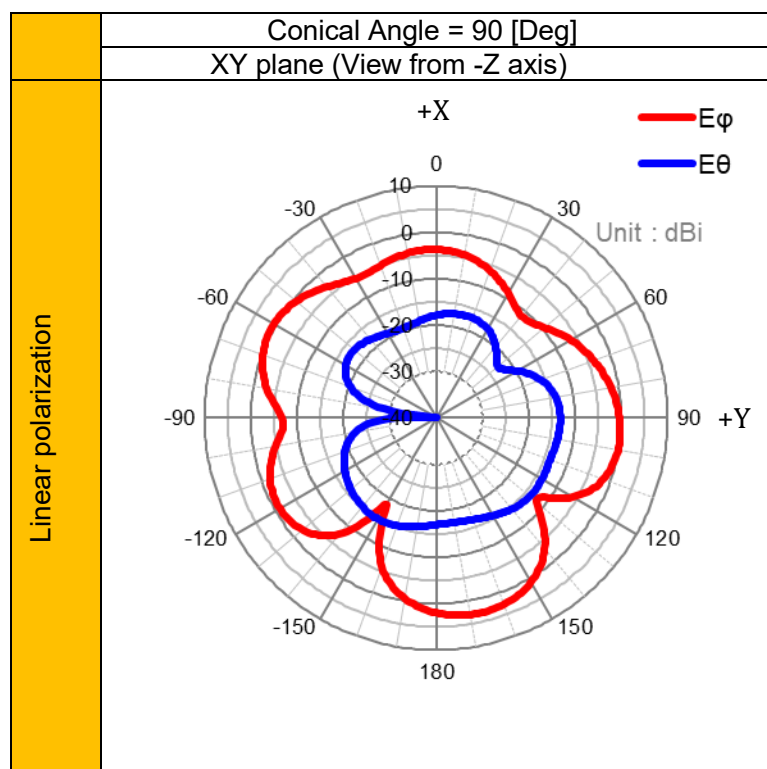
Frequency : 2442MHz



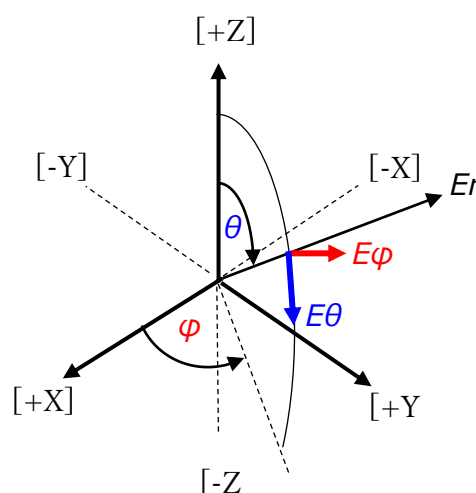
Plane	Gain [dBi]	Polarization	
		Phi(ϕ)	Theta(θ)
Z-X	Max	2.02	-1.18
	0 deg	-11.03	-1.70

Plane	Gain [dBi]	Polarization	
		Phi(ϕ)	Theta(θ)
Z-Y	Max	0.05	-6.73
	0 deg	-1.70	-11.03

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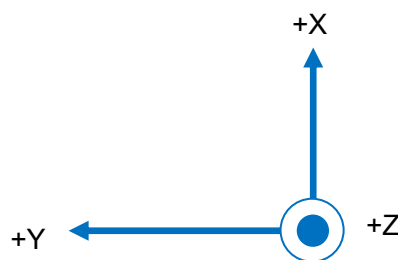
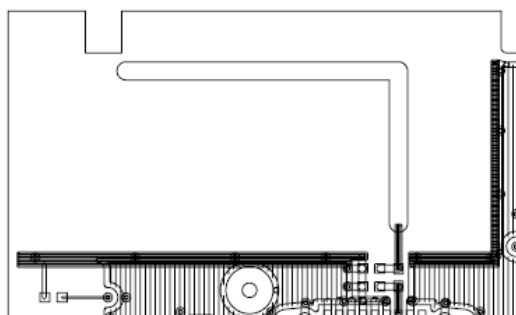
Plane	Gain [dBi]	Polarization	
		Phi(ϕ)	Theta(θ)
X-Y	Max	3.10	-13.15
	0 deg	-3.63	-17.84



Linear Polarization

Whole Sphere Gain [dBi]			
Gain	Phi(ϕ)	Theta(θ)	Total
Max	3.10	0.38	3.14
Avg	-4.23	-7.85	-2.05

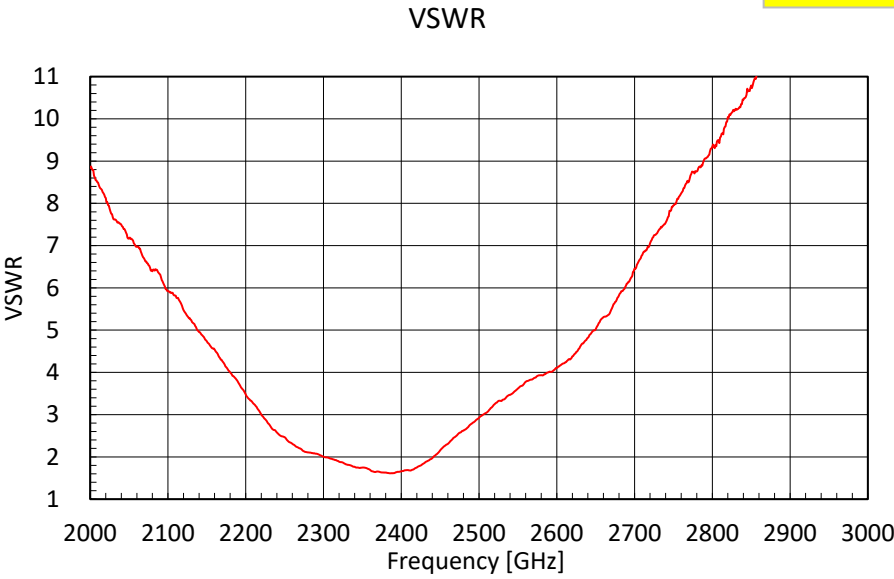
Measurement Direction for the antenna



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VSWR

Reference data



Freq[MHz]	2400	2450	2500
VSWR	1.66	2.15	2.92

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3. TEST INFORMATION

Test Equipment	Maker: Microwave Vision Group (MVG) Model Name: SG32 Calibration date: 1.05.2026
Test software	Wave Studio Ver 25.4.0.0
Test date	18.05.2026
Test Operator	T. Noguchi

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