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Antenna Test Report

Antenna brand name	Arlo
Antenna model name	2APLE18300436
Manufacturer name	WHA YU INDUSTRIAL CO., LTD.
Manufacturer address	No.326, Sec.2, Kung Tao 5 Road, Hsin-chu City, Taiwan, R.O.C
Antenna type	PIFA

Version: V 2.0 (NE1-24123)

Released Date: 2025/02/21

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Reviewed By :

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(Device Orientation in the chamber)

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Revised History



Released Date	Version	Record
2024/10/11	V1.00	1st released
2024/10/21	V1.01	Modify antenna for test
2024/12/20	V1.02	The antenna T1 mold product is used for testing with the DVT1 machine.
2024/12/24	V1.03	The antenna T1 mold product is used for testing with the DVT1 machine.
2025/01/14	V1.03-1	XL device measurement for DV1 build.
2025/2/21	V2.0	Change Regular Cable Routing(Total: <u>59</u> mm)

Specification



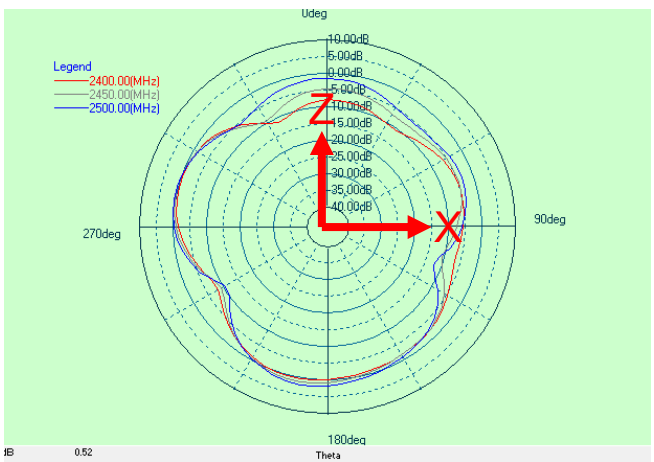
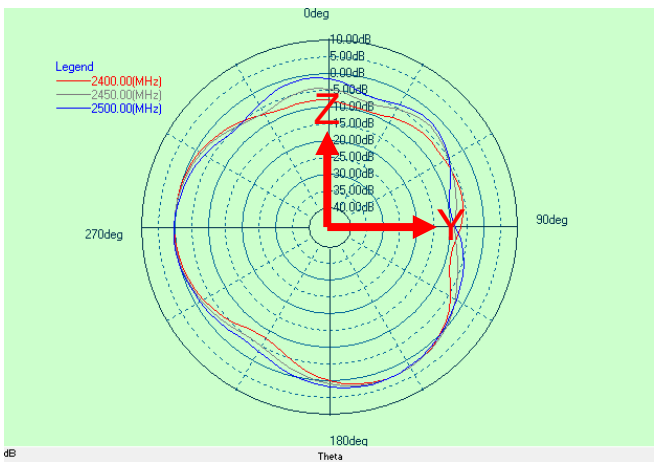
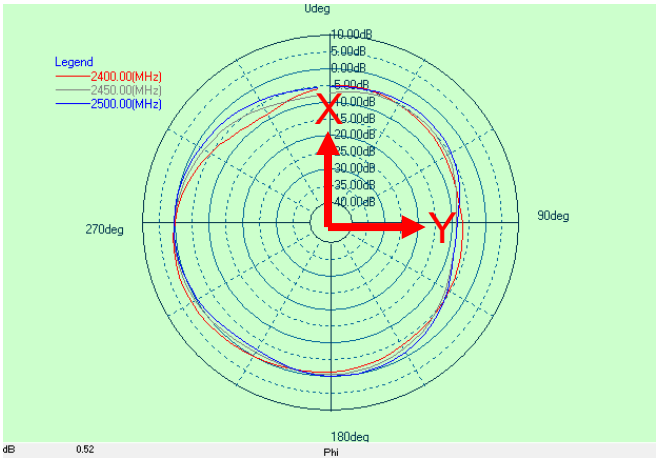
Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band	Remark
WiFi 2/5G	1	2400-2500(MHz) / 5150-5850 (MHz)	

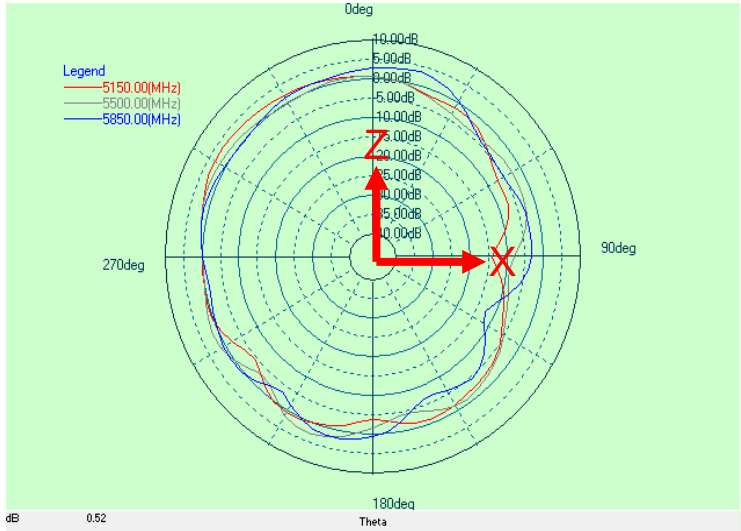
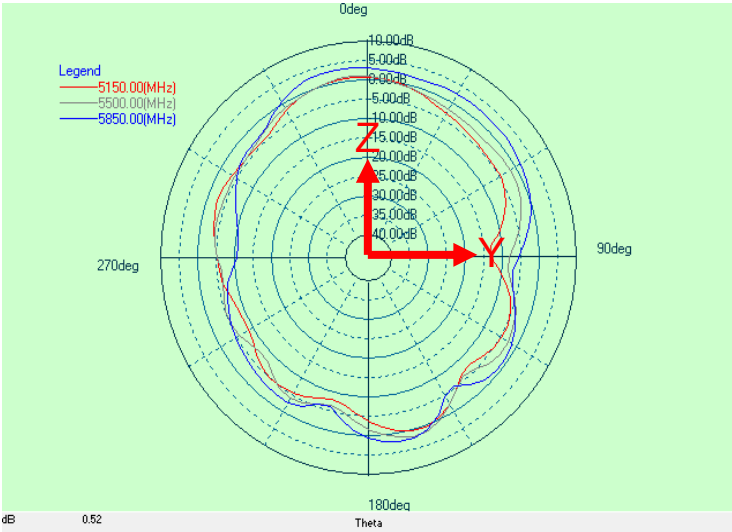
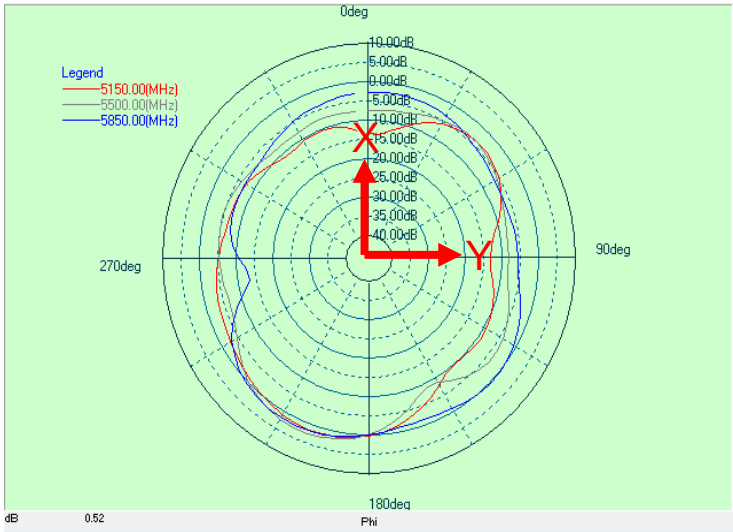
Requirements of Measurement

Test Item	Specification	Remark
Return loss	> 10dB	
Isolation	NA	
Peak gain	< 3 dBi @ 2G/5G	
Efficiency	> 50% @2G/5G	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

2D Radiation Pattern Results (2.4G)



2D Radiation Pattern Results (5G)



Results Summary



3D Peak gain

Frequency (MHz)	Peak Gain (dBi)
2400	2.27
2450	2.78
2500	2.72
5150	3.08
5500	3.47
5850	3.33



Thank You

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