

Antenna Test Report

Product Information			
Client	Chen Bei	Protocol	WiFi+BLE
Product Description	Snoppy	Sample Quantity	1pcs
Model Type	ESP32-C3-SOLO-1	Sample Version	TR3
Sample Pictures			

Antenna manufacturer information

Name: Espressif Systems (Shanghai) Co., Ltd.

Address: High-tech park in zhangjiang shanghai

Model type: ESP32-C3-SOLO-1

Prepared By	MORLAB LABORATORY
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Test Data	2024.11.13

Equipent	Manufacturer	Type	Serial Number	Calibration Date	Effective Date
Network Analyzer	Aglient	E5071C	MY46110140	2024.05.30	2025.05.29
Dark Room	ETS	AMS-8923-150	TJ2235-Q1793	2022.11.30	2025.11.29

Test Data

SVN

Efficiency & Gain



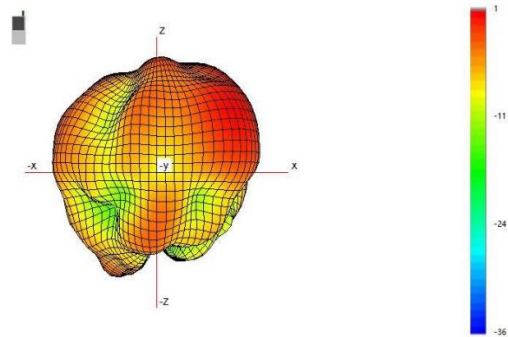
Frequency (MHz)	Gain (dBi)	Efficiency (%)	Efficiency (dB)
2400	0.7	35.7	-4.5
2410	0.7	35.5	-4.5
2420	0.8	35.8	-4.5
2430	0.9	35.9	-4.4
2440	0.9	35.8	-4.5
2450	0.8	35.0	-4.6
2460	0.9	36.0	-4.4
2470	0.9	37.0	-4.3
2480	0.5	35.0	-4.6
2490	0.4	35.0	-4.6
2500	0.5	35.0	-4.6

Test Data

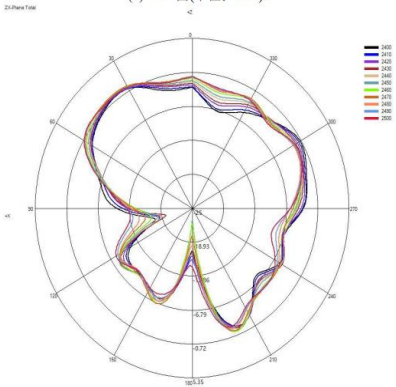
3D (2450MHz)

$\theta = 90^\circ$ (XY Plane)

(4) 2440MHz 的 3D 方向图(单位: dBi):



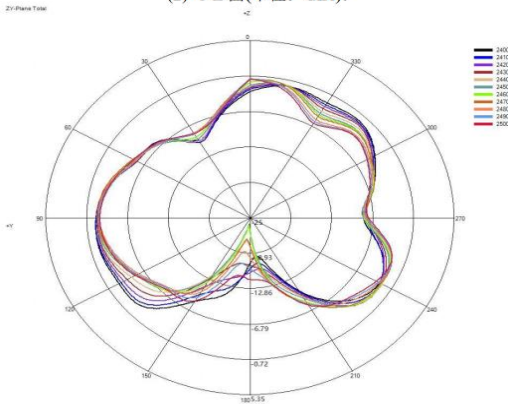
(1) X-Z 面(单位: dBi):



$\varphi = 0^\circ$ (XZ Plane)

$\varphi = 90^\circ$ (YZ Plane)

(2) Y-Z 面(单位: dBi):



(3) X-Y 面(单位: dBi):

