

Antenna Measurement Report	
Model: DCAJ0S05	
Equipment Name: Dielectric Chip Antenna	
Brand (Trade) Name: Cirocomm	
Applicant: Micro-Star Int'l Co.,Ltd. No.69, Lide St., Zhonghe Dist., New Taipei City 235, Taiwan	
Manufacturer: Cirocomm Technology Corp No.5, Industrial 2nd Road, PingZhen Dist., Taoyuan City 324, Taiwan (R.O.C.)	
Antenna Type: Chip Antenna	
Tested by (name / position & signature)	Saul Wang / Engineer 2025/4/8
Approved by (name / position & signature)	Lorien Chang / Manager 2025/4/8
Date of issue 2025/4/8	

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Competences and guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

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Data provided by the client

The following data has been provided by the client:

1. No

DEKRA Testing and Certification declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Testing period and place

Test Location	DEKRA Testing and Certification No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411 , Taiwan
Date (start)	2025/3/5
Date (finish)	2025/3/5

Document history

Report number	Revision	Date	Description
2521112R-A324310020-A	Rev. 1.0	2025/4/8	First release

Environmental conditions

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	22 °C – 28 °C
Relative Humidity air	< 60%

Testing verdicts

Not applicable:	N/A
Pass:	P
Fail:	F
Information:	Info
Not measured:	N/M

Used Equipment

Name	Manufacturer	Type/Model	Serial Number	Calibration
				Last Cal.
Vector Network Analyzer	R&S	ZNB 8	106333	2024/5/15
Measurement Software	ETS-Lindgren	EMQuest 1.17	1474	N/A

Appendix A: Test results

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Power supply (V) under test:

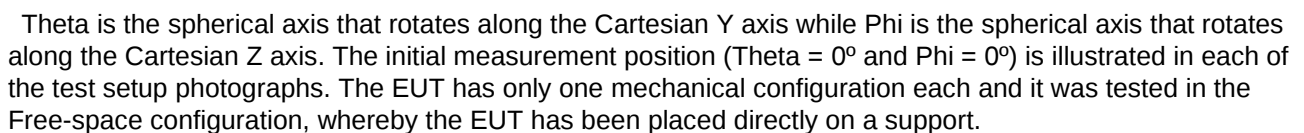
N/A

Tn = +22 to +28

The subscript n indicates normal test conditions.

The EUT has only one mechanical configuration and it was tested in the scenario required by the standard [1]:

- The EUT is rotated along two different spherical axes: theta (θ) and phi (Φ). The relationship between the 3D Cartesian coordinate system (X, Y, Z) and the theta and phi axes is illustrated in the following figure.



2. TEST RESULTS

2.1 Summary

2.2 Antenna_Passive

3D Passive 2402MHz-2480MHz

Frequency (MHz)	Tot. Rad. Pwr. (dBm)	Peak EIRP (dBm)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	NHPRP $\pm\pi/4$ (dBm)	NHPRP $\pm\pi/6$ (dBm)
2402	-8.61	-2.85	5.76	-8.61	13.76	-2.85	-9.82	-11.52
2440	-11.38	-5.44	5.94	-11.38	7.27	-5.44	-12.64	-14.46
2480	-14.38	-8.57	5.81	-14.38	3.65	-8.57	-15.61	-17.52

2.3 3D Plots

