

Test Report

Verified Code:511966

Report No.:H202401222468-05EN

Customer: Airgain, Inc.Airgain, Inc.

Address: 3611 Valley Centre Drive, Suite 150, San Diego, CA 92130, USA.3611 Valley Centre Drive, Suite 150, San Diego, CA 92130, USA.

Sample Name: LUMOS

Sample Model: AP-LM5G-C4

Receive Sample Date: Jan.23,2024

Test Date: Jan.29,2024

Reference Document: IEC 60529-2017

Test Result: Meet the requirements

Prepared by



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Approved by



LiuBeihui

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Issued Date: 2024/3/12

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1 IP67 Water and Foreign Body Ingress

1.1 Test Condition

- 1.1.1 According to IEC 60529-2017;
- 1.1.2 Dust prevention type: talc powder;
- 1.1.3 Conduct negative pressure extraction during the experimental process;
- 1.1.4 Test time: 8 hours;
- 1.1.5 Probe test: Use 1.0mm metal wire to conduct probe test on the shell;
- 1.1.6 Immersion depth: 1m;
- 1.1.7 Immersion time: 30 minutes.

1.2 Sample Information

Sample information is shown in Table 1-1.

Table 1-1 Sample Information

Sample Name	Model specifications	Number	sn	Test No.
LUMOS	AP-LM5G-C4	3PCS	Lumos-4-2353021	H202401222468-0013
			Lumos-4-2353023	H202401222468-0014
			Lumos-4-2353027	H202401222468-0015

1.3 Test Requirements

According to IEC 60529-2017;

After the experiment, there was no dust or water ingress inside the sample. A metal wire with a diameter of 1.0mm should not be allowed to enter, and the functional inspection should be normal.

1.4 Test Result

The test result is shown in Table 1-2.

Table 1-2 Test Result

Test No.	Inspection	Conclusion
H202401222468-0013	After the experiment, there was no dust or water ingress inside the sample, and a 1mm metal wire could not enter	Meet the requirements
H202401222468-0014	After the experiment, there was no dust or water ingress inside the sample, and a 1mm metal wire could not enter	Meet the requirements
H202401222468-0015	After the experiment, there was no dust or water ingress inside the sample, and a 1mm metal wire could not enter	Meet the requirements

Note: Functional inspection is self checked by the commissioning party.

1.5 Test Photos



Fig.1-1 Before the experiment(0013~0015)



Fig.1-2 After the experiment(0013~0015)

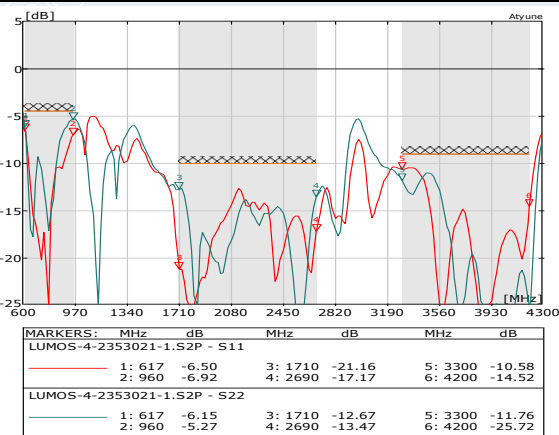


Fig.1-3 Functional inspection before testing0013-1

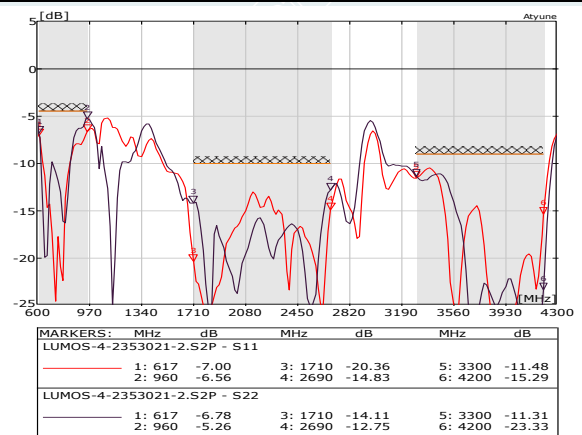


Fig.1-4 Functional inspection before testing0013-2

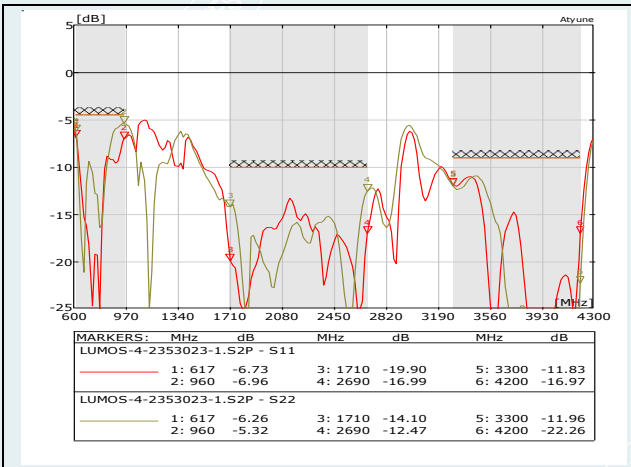


Fig.1-5 Functional inspection before testing0014-1

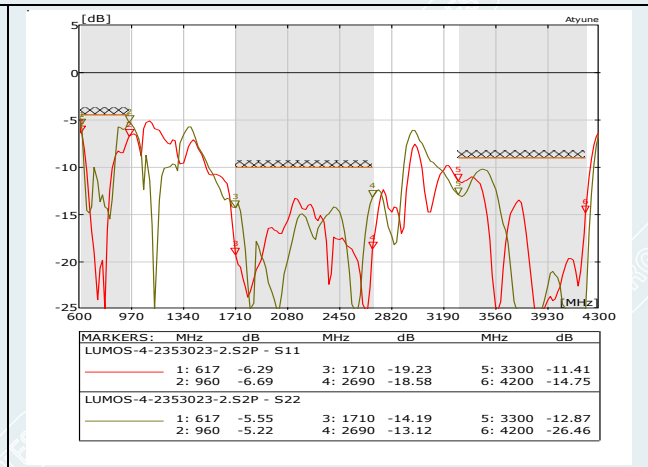


Fig.1-6 Functional inspection before testing0014-2

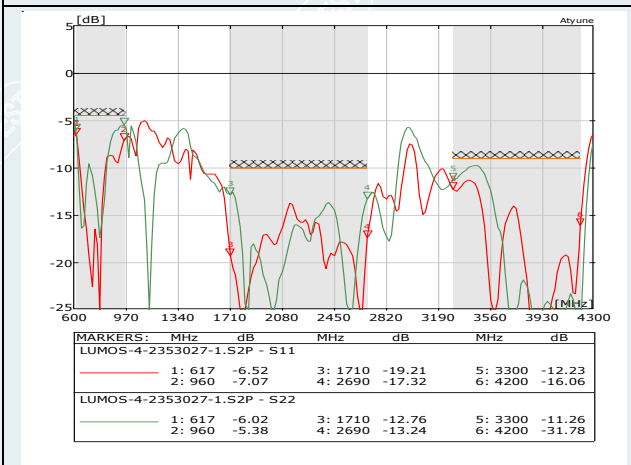


Fig.1-7 Functional inspection before testing0015-1

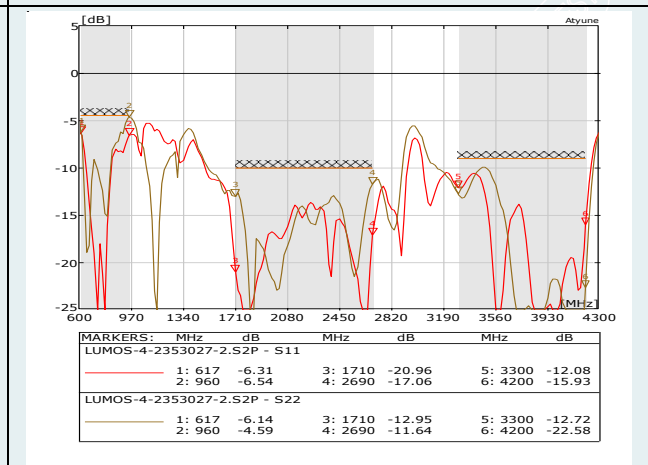


Fig.1-8 Functional inspection before testing0015-2

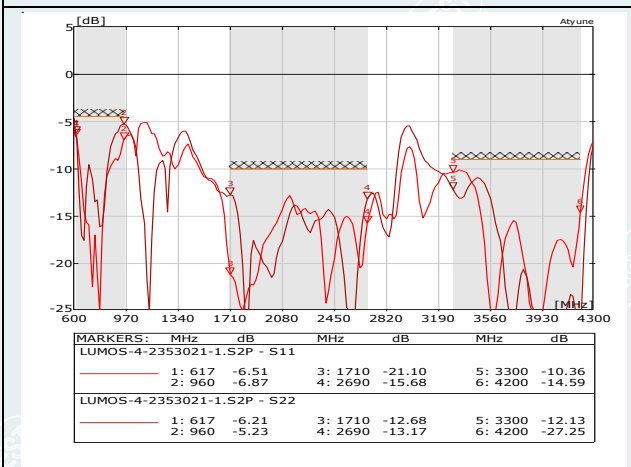


Fig.1-9 Post test functional inspection0013-1

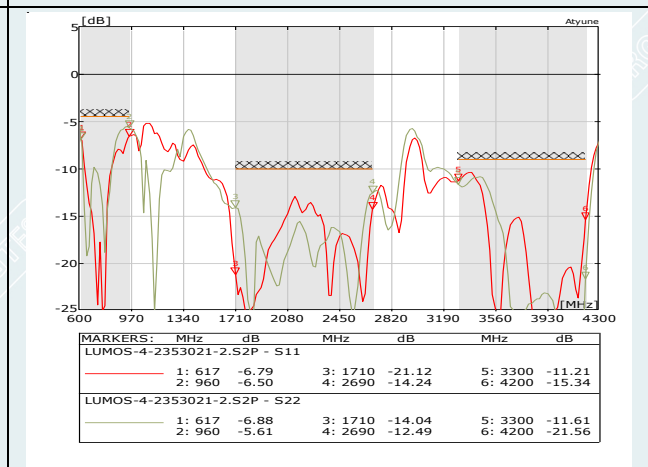


Fig.1-10 Post test functional inspection0013-2

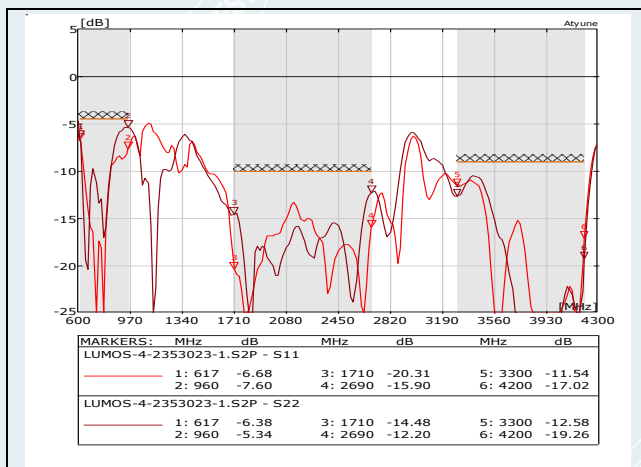


Fig.1-11 Post test functional inspection0014-1

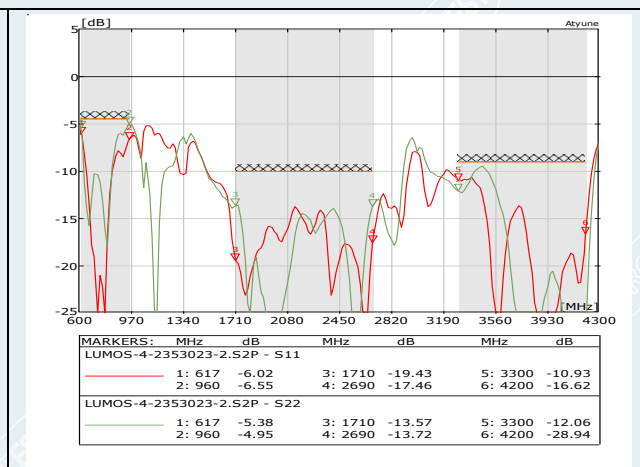


Fig.1-12 Post test functional inspection0014-2

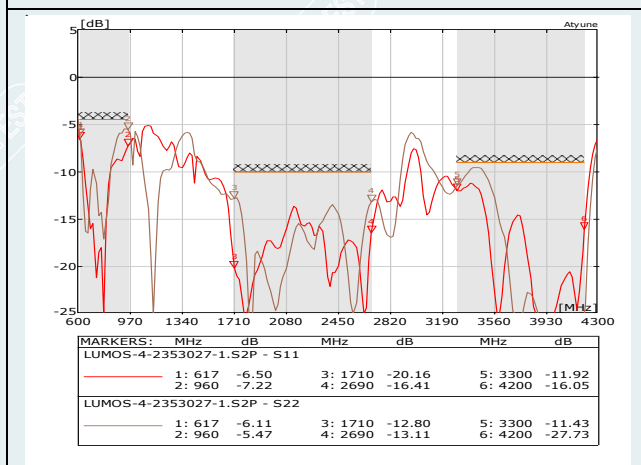


Fig.1-13 Post test functional inspection0015-1

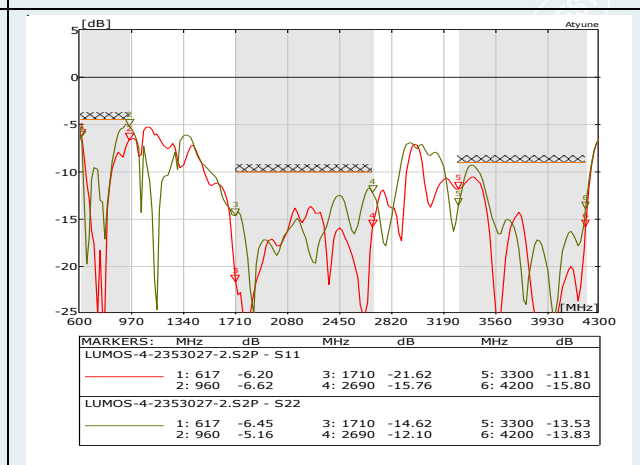


Fig.1-14 Post test functional inspection0015-2



Fig.1-15 Dust proof test setup



Fig.1-16 probe test

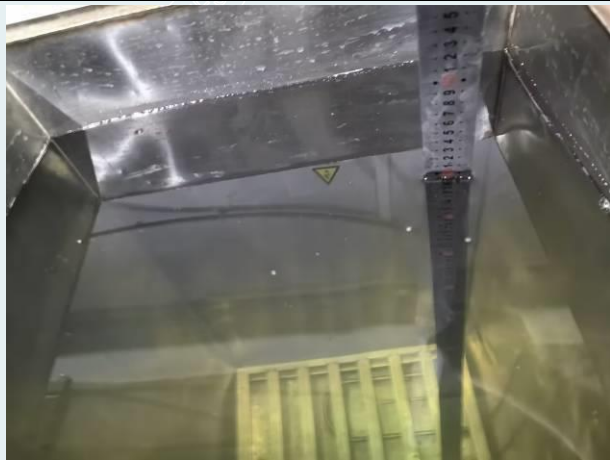


Fig.1-17 Water depth



Fig.1-18 Waterproof test installation

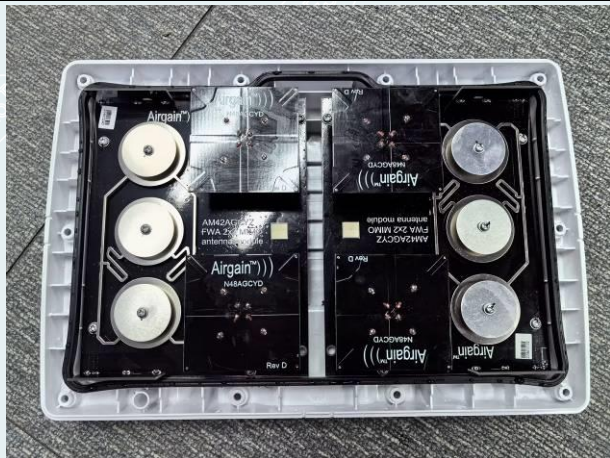


Fig.1-19 Internal inspection after the experiment(0013)



Fig.1-20 Internal inspection after the experiment(0014)

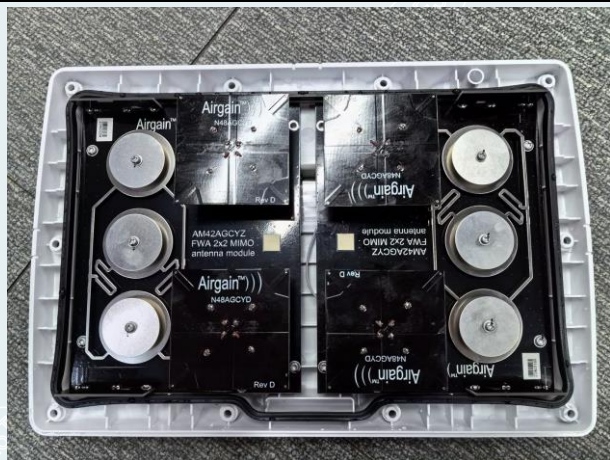
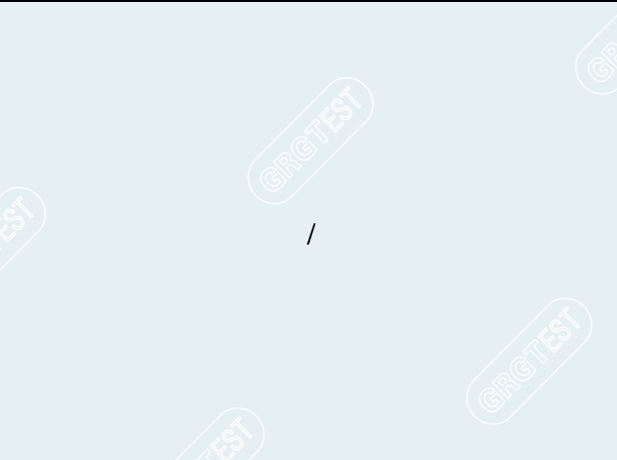


Fig.1-21 Internal inspection after the experiment(0015)



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2 Test Instrument & Equipment

List of Instrument for Testing Equipment					
No.	Testing Item	Instrument/Equipment	Type	Serial No.	Calibration Valid Date
1	IP67 Water and Foreign Body Ingress	Dust proof test box	QCT200C	180258	2023-10-24~2024-10-23
		Constant temperature immersion water tank	/	D201846	2023-03-08~2024-03-07

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