

Page 1 of 7

Test Report

Verified code:843654

Report No.:H201904168357-02EN

Customer: Airgain DBA Antenna Plus

No.151, MaoZhu Shan Village, Qiaoli Administration, ChangPing, DongGuan, Address:

GuangDong, China. Post Code: 523586

Sample

Double Cell and Wi-Fi Antenna with GNSS description:

Sample model: AP-M2M2-CCWWG-Q-S22222-RP34-BL

Reference document:

IEC 60529-2013

Receive

Apr. 23, 2019 sample date:

Test date: Apr. 25, 2019

Test result: Meet the requirement

Prepared Reviewed Approved

Kuang Chang Fu ZhaoJiahua **BobChen** by by by

(Deputy (Deputy Thas i'va hua (Engineer) kuangchangfu Director) Manager)

GUANGZHOU GRG METROLOG Issued Date:

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Address: 163 Pingyun Rd., West of Huangpu Ave., Guangzhou (510656)

Tel: (+86) -020-38699960 FAX: (+86) -020-38698685 Web: http://www.grgtest.com







Report No.:H201904168357-02EN Page 2 Of 7

Statement

- 1. The report is invalid without "special stamp for inspection and testing".
- 2. Failure to affix "special seal for inspection and testing" to the copy report is invalid, and some copies are invalid.
- 3. The report is invalid without the signature and seal of the person preparing, reviewing and approving it.
- 4. The report is invalid if altered.
- 5. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report.
- 6. This test is only responsible for incoming samples, and the report is only valid for this test.



Report No.:H201904168357-02EN

Page 3 Of 7

Test source	☐ Commissioning to	est □Type test thers	□Finalization test	☐ Mandatory test
Sample source	☑Commissioned units send sample ☐Others:			
Sample	Model	Quantity	Sample No.	Test No.
Double Cell and Wi-Fi Antenna with GNSS	AP-M2M2-CCW WG-Q-S22222-R P34-BL	2PCS	/	H201904168357-3# H201904168357-4#
Appearance of sample	Shape: Square Round Irregular Others Color: Monochrome Multicolor Mothers Type: Mini Small Small and medium Medium Large			
Sample components and accessories	Components: / Accessories: /			
Packing status	□Outer Packing		☑ No packing	
Sample quality before test	☐ Conformity product ☐ Non-conformity product ☐ Others			
Abnormal condition of sample before test	1			
Environment condition	Temperature: 26.3	℃~29.9℃	Relative humid	lity: 47%~59%
Test address	163 Pingyun Rd., W	Vest of Huangpu Ave	e., Guangzhou(510	656)







Report No.:H201904168357-02EN Page 4 Of 7

1. IP6X

1.1 Test condition

- 1.1.1 Test standard: IEC 60529-2013;
- 1.1.2 Probe test: Samples were metal proofed using a 1.0 mm diameter metal probe;
- 1.1.3 IP6X test conditions: The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50µm and the nominal width of a gap between wires 75µm. The amount of talcum powder to be used is 2kg per cubic metre of the test chamber volume. It shall not have been used for more than 20 tests. The duration of the test is 8h.

1.2 Sample information

Sample information is shown in Table 1-1.

Table 1-1 Sample information

Sample name	Model	Quantity	Test No.
Double Cell and Wi-Fi Antenna with GNSS	AP-M2M2-CCWWG- Q-S22222-RP34-BL	1PCS	H201904168357-3#

1.3 Test requirements

- 1.3.1 Test standard: IEC 60529-2013;
- 1.3.2 Probe test: A 1.0 mm diameter probe should not pass through the opening;
- 1.3.2 Visual inspection: After the test, no deposit of dust should be observable inside the enclosure.

1.4 Test result

The test results are shown in Table 1-2.

Table 1-2 Test result

Sample name	Test No.	Visual inspection	Conclusion
Double Cell and Wi-Fi Antenna with GNSS	H201904168357-3#	A 1.0 mm diameter probe can't pass through the opening. After the test, there was no deposit of dust inside the sample.	Meet the requirements

IETRO



ζΟΛ



Report No.:H201904168357-02EN

Page 5 Of 7

1.5 Test photos





Report No.:H201904168357-02EN Page 6 Of 7

2. IPX6

2.1 Test condition

2.1.1 Test standard: IEC 60529-2013;

2.1.2 Internal diameter of nozzle: 12.5mm;

2.1.3 Delivery rate: 100L/min±5%;

2.1.4 Test duration: approximately 3min;

2.1.5 Distance form nozzle to be the equipment surface: 2.5m~3m.

2.2 Sample information

Sample information is shown in Table 2-1.

Table 2-1 Sample information

Sample name	Model	Quantity	Test No.
Double Cell and Wi-Fi Antenna with GNSS	AP-M2M2-CCWWG- Q-S22222-RP34-BL	1PCS	H201904168357-4#

2.3 Test requirements

2.3.1 Test standard: IEC 60529-2013;

2.3.2 Visual inspection: After the test, there should be no water into the one sample.

2.4 Test result

The test results are shown in Table 2-2.

Table 2-2 Test result

Sample name	Test No.	Visual inspection	Conclusion
Double Cell and Wi-Fi Antenna with GNSS	H201904168357-4#	After the test, no water was found into the sample.	Meet the requirements







Report No.:H201904168357-02EN

Page 7 Of 7

2.5 Test photos



3. Test equipments

List of instruments for testing equipment				
No.	Testing item	Equipment	Serial No.	Calibration valid date
	§ January I I I I I I I I I I I I I I I I I I I	Dust chamber	180258	2019-03-07~2020-03-06
1 IP6X	IP4X probe	JLX2016G101350	2018-06-13~2019-06-12	
2	IPX6	Spray Nozzle	SH5080408	2019-03-26~2020-03-25

----- End of Report -----

