





Report No.: HCO0173/2017 Page: 1 of 6

Date: November 13, 2017

DRAYTEK CORPORATION NO. 26, FUSHING RD., HUKOU, HSINCHU INDUSTRIAL PARK, HSINCHU, TAIWAN

The following merchandise was submitted and identified by the vendor as:

Product Description: Outdoor Access Point

Style/ Item No.: VigorAP 920RP/ No.1, No.2

Manufacturer/ Vendor: DrayTek Corporation

Country of Origin: Taiwan

Quantity: Total 2 pieces

Testing Period: Nov 3, 2017 to Nov. 8, 2017

Note: (Client's declaration) The VigorAP 920RP · VigorAP 920R · VigorAP 920RD

and VigorAP 920RPD used the identical enclosure.

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required:

Test for Degrees of Protection Provided by Enclosures (CNS 14165: 2015)

| IP Code | IP67 |
|-------------------------------|---|
| Riret characteristic numeral | Degrees of protection against access to hazardous parts and against solid foreign objects |
| Second characteristic numeral | Degrees of protection against ingress of water |

Test Results:

Conclusion

Submittals sample(s) comply with the requirement and acceptance conditions of CNS 14165: 2015 Degrees of Protection Provided by Enclosures -- IP67 The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of SGS TAIWAN Ltd.

Ivan Wang

Ivan Wang Team Leader

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Report No.: HCO0173/2017

Page: of 6

<u>Test for Degrees of Protection Provided by Enclosures:</u>

Test Equipment:

| Name | Brand | Model | Serial No. |
|--------------------------|-----------|----------------|-------------|
| 1.0 mm Test Wire Probe | ED&D | TRP-02 | B0050180 |
| Digital Force Gauge | ALGOL | HF-50 | HF-106764 |
| Dust Tester | T-MACHINE | TMJ-9723S | T-23-110708 |
| IPX7/IPX8 Immersion Tank | Self-made | SGS-ETR-030201 | ETR000001 |

Lab Environmental Conditions:

Ambient temperature: (25 ± 3) °C $(55 \pm 20) \% RH$ Ambient humidity:

Test Method/ Specification:

Test method: CNS 14165: 2015 -- IP67

1. Test for protection against access to hazardous parts:

Test method: The test wire with 1.0 mm in diameter and 100 mm long is pushed against

> or inserted through any openings of the enclosure with designated force. Examine whether the test wire touches the hazardous live parts inside the

enclosure or not.

Test force: 1 N±10 %

2. Test for protection against solid foreign objects:

Test method: Dust test

Sample condition: Non-Operating Type of dust: Talcum powder

The amount of dust: 2 kg per cubic meter of the chamber volume

The maximum depression: < 20 mbar Test duration: 8 hours

• Examine the protection against ingress dust of specimen(s) after this test.

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Report No.: HCO0173/2017

Page: 6 of

Test Method/ Specification--Continued:

3. Test for protection against water:

Sample condition: Non-Operating

Completely immerse the specimen in water in its service position as Test means:

specified by client.

Test condition: See below items marked "•",

> The lowest point of enclosures with a height less than 850 mm is located 1000 mm below the surface of the water

The highest point of enclosures with a height equal to or greater than

850 mm is located 150 mm below the surface of the water

Test duration: 30 minutes

Test Device: As shown in photo 4

Examine the protection against ingress water of specimen(s) after this test.

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Report No.: HCO0173/2017

Page: of 6

Specimen:

Style/ Item No.: VigorAP 920RP/ No.1, No.2

Quantity: Total 2 pieces

Test Result:

`A. Degrees of protection against access to hazardous parts and against solid foreign objects (IP6X)

A-1 Test for protection against access to hazardous parts (IP6X)

| Test Result | | | |
|-------------|---|---------------------|--|
| Check Item | | Style/ Item No. | |
| | | VigorAP 920RP/ No.1 | |
| 1 | Does the test wire penetrate any openings of the enclosure? | No | |
| 2 | (followed check item 1) If the test wire penetrates any openings of the enclosure, does the test wire touch any hazardous live parts or any hazardous mechanical parts? | N/A | |
| 3 | (followed check item 2) Does adequate clearance be kept between the test wire and hazardous live parts or hazardous mechanical parts? | N/A | |

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in CNS 14165: 2015 and in accordance with the acceptance conditions specified by client.

A-2 Test for protection against solid foreign objects (IP6X)

| Test Result | |
|---|---------------------|
| | Style/ Item No. |
| Check Item | VigorAP 920RP/ No.1 |
| 1 Does any dust deposit inside the enclosure? | No |

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in CNS 14165: 2015 and in accordance with the acceptance conditions specified by client.

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Report No.: HCO0173/2017

Page: 5 6 of

Test Result--Continued:

B. Degree of protection against ingress of water (IPX7)

| | Test Result | | |
|------------|--|---------------------|--|
| Check Item | | Style/ Item No. | |
| | | VigorAP 920RP/ No.2 | |
| 1 | Does any water enter the enclosure? | No | |
| 2 | (followed check item 1) If any water has entered, does the water accumulate near the cable end or live parts? | N/A | |
| 2.1 | (followed check item 2) Does the water be sufficient to interfere with the correct operation of the equipment or impair safety? | N/A | |
| 2.2 | (followed check item 2.1) Does the water deposit on insulation parts where it could lead to tracking along the creepage distances? | N/A | |
| 2.3 | (followed check item 2.2) Does the water reach live parts or windings not designed to operate when wet? | N/A | |

Note 1: N/A means "Not Applicable".

Note 2:The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in CNS 14165: 2015 and in accordance with the acceptance conditions specified by client.

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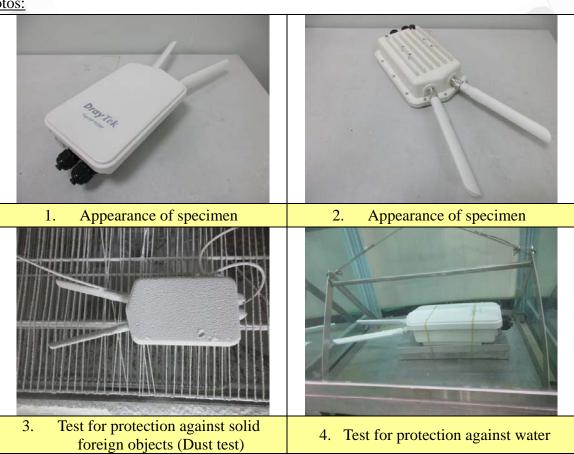
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Report No.: HCO0173/2017

Page: 6 of 6

Test Photos:



The End of Test Report

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