

TEST REPORT

Report No.: HC60208B/2016
Page: 1 of 9
Date: January 18, 2017

ALLTEK MARINE ELECTRONICS CORP.
14F-2, NO.237, SEC. 1, DATONG RD., XIZHI DISTRICT,
NEW TAIPEI CITY, TAIWAN

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

Product Description: AIS Class B Transponder
Style/ Item No.: WideLink B600W/ No.1
Manufacturer/ Vendor: Alltek Marine Electronics Corp.
Country of Origin: Taiwan
Quantity: Total 1 piece
Testing Period: Jun. 27, 2016 to Jul. 27, 2016
Note: (Client's declaration) The setup of equipment under test with WideLink B600W are shown in appendix I

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

Test Required: (According to client's test specification, please see following sheets in detail.)
1. Salt Mist Test

Test Results : -PLEASE SEE ATTACHED SHEETS-

*HC60208A/2016, dated on January 17, 2017, is hereby canceled and replaced by HC60208B/2016.

Signed for and on behalf of
SGS TAIWAN Ltd.



Winson Tseng
Asst. Manager

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TEST REPORTReport No.: HC60208B/2016
Page: 2 of 9**1. Salt Mist Test:****Test Equipment:**

Name	Brand	Model	Serial No.
Salt Spray Test Chamber	YI-SANG	ST-BS-S	EC10092914
Programmable Temperature & Humidity Chamber	KSON	THS-D6TS-150+LN2	A0495

Lab Environmental Conditions:Ambient temperature: (25 ± 3) °CAmbient humidity: (55 ± 20) % RH**Test Method/ Specification:**Test method: IEC60945 Edition 4.0: 2008, 8.12Sample Condition: Non-OperatingTest procedure: The Salt Mist test includes two test items. The test sequence is shown as below.

Salt Mist Test	
Test Sequence	Test Action/ Item
1	Salt mist Test, exposing for 2 hours.
2	Temperature & Humidity Storage Test, exposing for 168 hours.

Above test sequences shall be performed for 4 cycles.

(1) Salt Spray test:Salt solution: 5 wt.% NaCl solutionpH of solution: 6.5-7.2Temperature: (25 ± 2) °CQuantity of Mist : 1.0 ~2.0 ml/ 80 cm²/ hourExposing duration: 2 hours/ cycle

- Remove the specimen(s) from Salt Spray Test Chamber to Temperature & Humidity Storage Test immediately.

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Test Method/ Specification--Continued:**(2)Temperature & Humidity Storage Test:**Temperature: 40 °CHumidity: 95 %RHExposing duration: 168 hours/ cycle

- Examine the appearance of specimen(s) by visual check and perform functional check after salt mist test.
- Functional check: Turn on the power of specimen then examine whether the GPS 3D fixed and AIS transmitting/receiving functions of specimen(s) could work normally or not.

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Specimen:

Style/ Item No.: WideLink B600W/ No.1
Quantity: Total 1 piece

Test Result:

Check Item	Appearance Check (visual check)	Functional Check
Style/ Item No.		
WideLink B600W/ No.1	No visible damage	Normal

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Appendix I:Setup Of Equipment Under Test (By client)

No.	Equipment	Model No.	Brand	Cable
1	GPS Antenna	ANT-21 (AGGRESSOR-21) (AGGRESSOR-111-C) (AMEC P/N:M-ANT-C1283-570001-A)	AMEC	Shielded, 10m
2	VHF Antenna	ANT-11(TENTA-11) (AMEC P/N:AMEC-ANT-MFB-1200V)	AMEC	Shielded, 10m
3	Power Supply	62012P-80-60	Chroma	Unshielded, 1.8m
4	NMEA 0183 Cable	N/A	AMEC	Unshielded, 0.9m
5	NMEA 2000 Cable	N/A	AMEC	Unshielded, 0.9m
6	Mini USB to USB Cable	N/A	AMEC	Shielded, 1.8m
7	Laptop	SL410	Lenovo	N/A
8	Mini USB to USB Cable	N/A	AMEC	Shielded, 1.8m
9	AIS Transponder	CAMINO-108	AMEC	Shielded, 1.4m
10	GPS Antenna	ANT-21 (AGGRESSOR-21) (AGGRESSOR-111-C) (AMEC P/N:M-ANT-C1283-570001-A)	AMEC	Shielded, 10m
11	VHF Antenna	N/A	N/A	Shielded, 0.6m

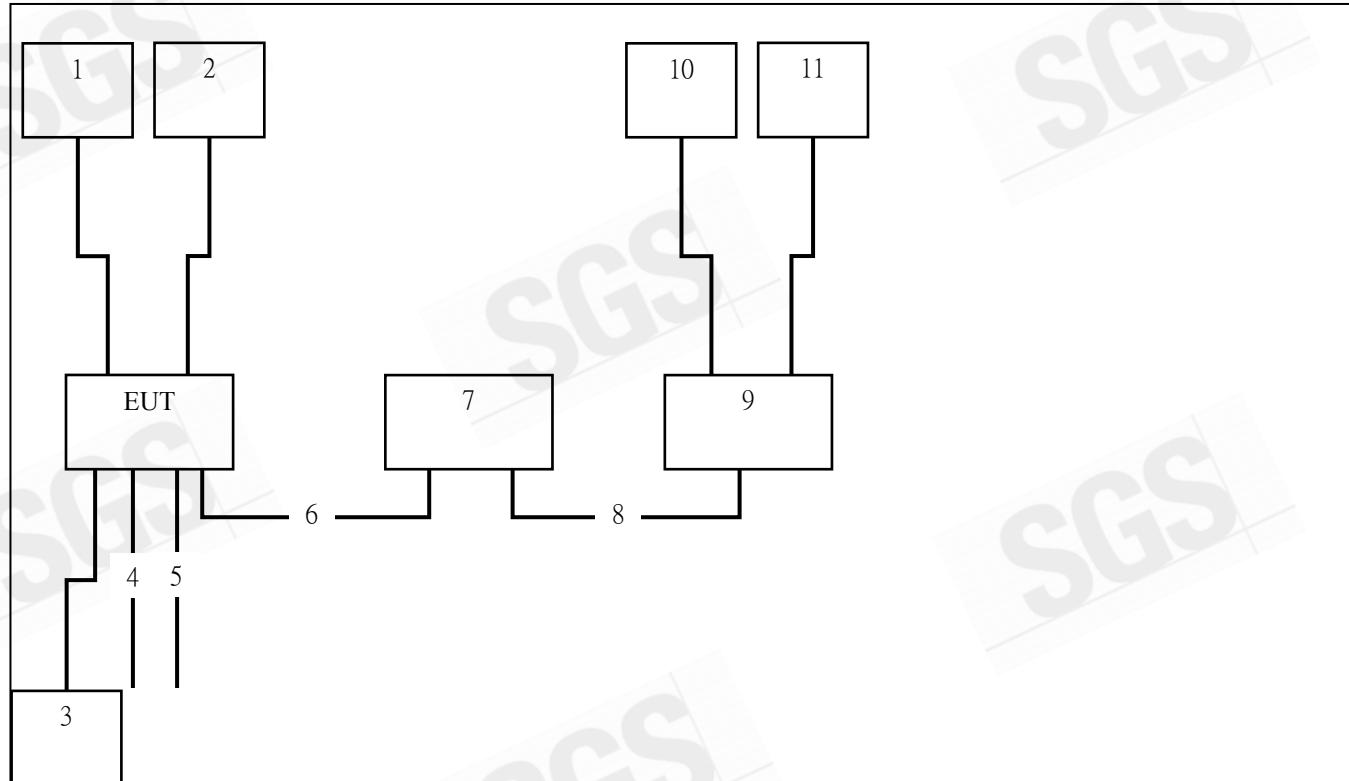
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Appendix I --Continued:



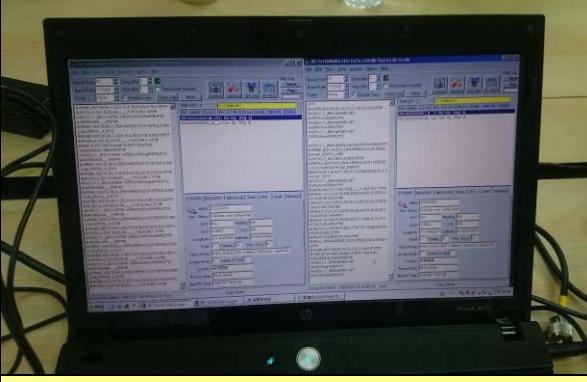
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Test Photos:

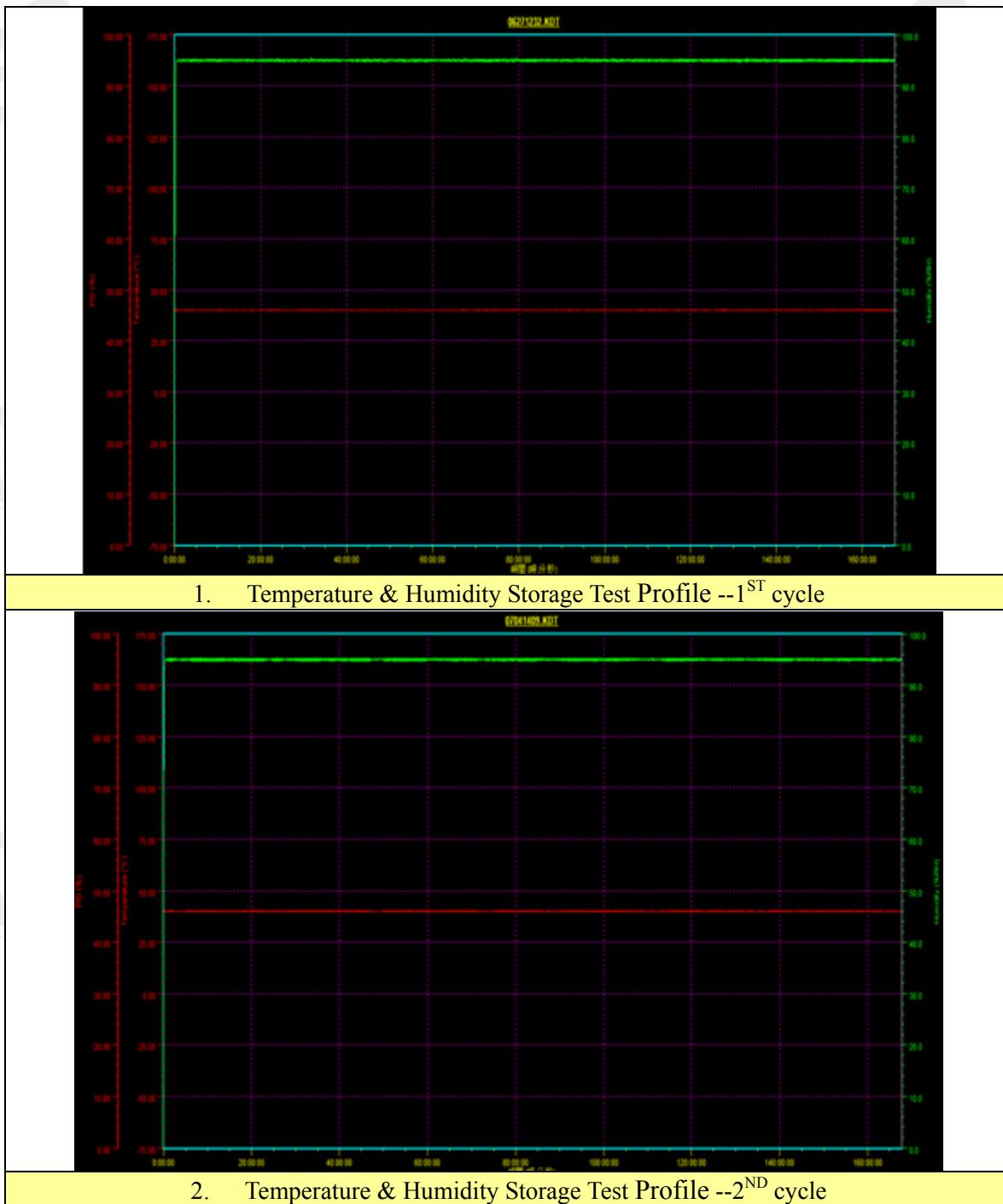
	
1. Appearance of specimen	2. Salt Spray Test
	
3. Temperature & Humidity Test	4. Appearance of specimen after test
	
5. Appearance of specimen after test	6. Functional Check

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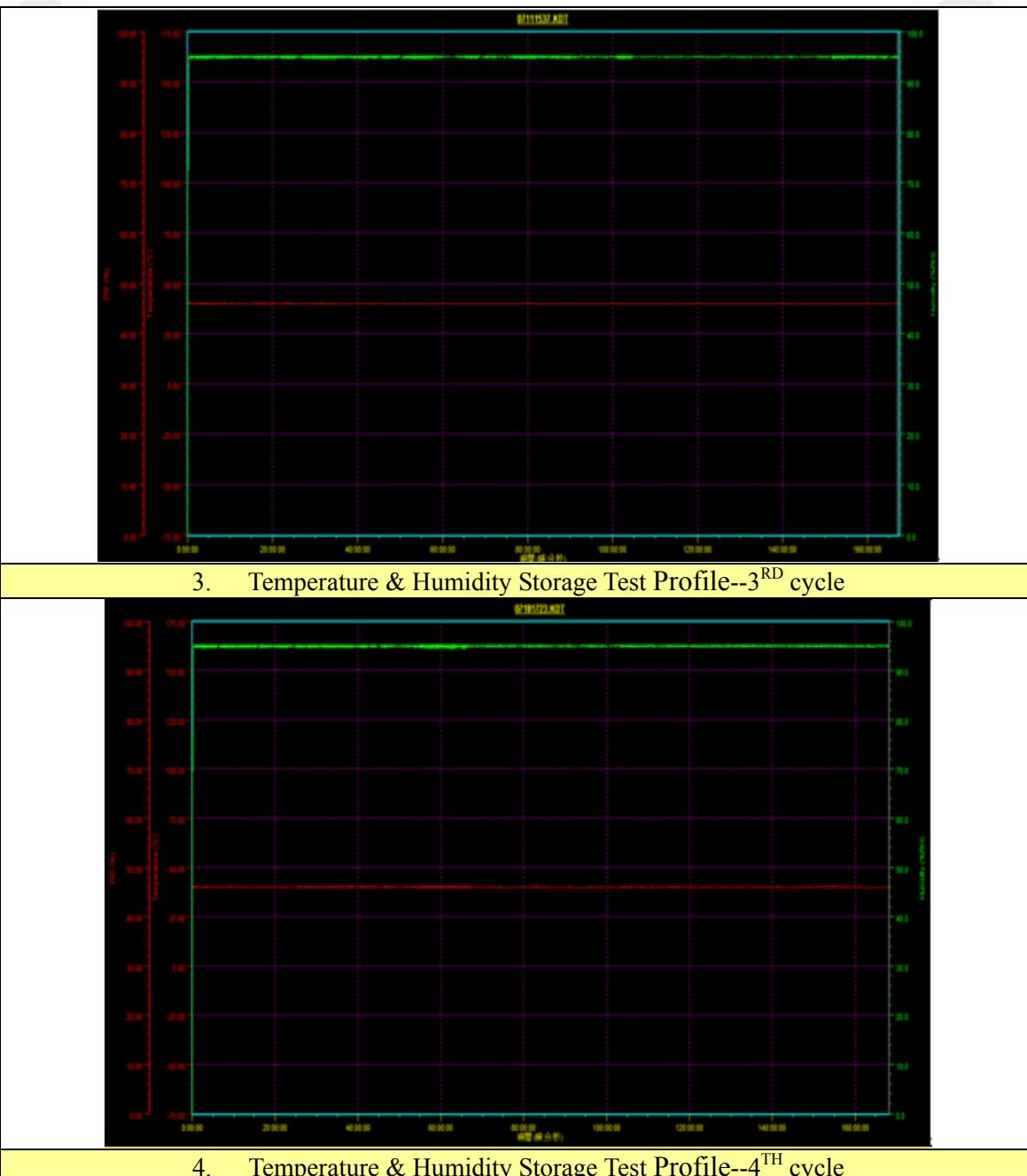
Test Photos--Continued:

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Test Photos--Continued:**— — — The End of Test Report — — —**

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