



No.: WDZ1503160210

TEST REPORT

Sample Name: VegaAIS

Applicant Name: Vega Industries Ltd

Manufacturer: Vega Industries Ltd

Supplier: /

Buyer: /

Shenzhen Yitong Testing Technology Co., Ltd



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Applicant Name: Vega Industries Ltd

Address: 21 Heriot Drive, Porirua, 5022, New Zealand

Sample Information

Sample Name: VegaAIS
Sample No.: WZH1503050210
Sample Model: 1E
Sample Size: 245mm (dia.) × 130mm (H)
Sample Weight: 1.6kg
Sample Quantity: 1 PC
Sample Description: Normal
Sample Supplied By: Client
Manufacturer: Vega Industries Ltd

Test Information

Test Items: Vibration Test
Receive Date: Mar 4, 2015
Testing Date: Mar 11, 2015
Preconditioning: /

Test Result

Please refer to page 2.

Authorized: *sun*

Checked: *Evan*

Tested: *Rock*



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Test Result

Test Items	Criterion	Test Result	Conclusion
Vibration Test	--- AIS Watchmate Receiver receives 1 time per minute. --- The MMSI number transmitted by the VegaAIS unit is "995121021". --- No damage to the VegaAIS unit, particularly the mounting lugs after completing the vibration test	Meet the requirement.	Pass

Remark:

Pass Test item meets the requirement

Fail Test item does not meet the requirement

N/A Test case does not apply to the test object



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Test Item 1: Vibration Test

1. Test Standard: IEC 60945: 2002 Section 8.7

2. Test Equipment:

Equipment Name	Equipment Model	Equipment NO.	Calibration Useful-life
Vibration System	EM-600F2K-40N120	TTS-YQ-058	Jan 19, 2016

3. Test Remark & Notes:

(1) Fix the sample on the vibration table, the test conditions are as below:

--- Vibration Frequency: 2Hz to 13.2Hz, Amplitude: 2mm(P-p)

--- Vibration Frequency: 13.2Hz to 100Hz, Acceleration: 7m/s^2

--- Swept Rate: 0.5oct/min

--- Vibration Orientation: On Z-axis

--- Number of cycle: 1cycle/axis

(2) During the test, monitor the vibration of sample and search for the resonance point, if not, vibrate for 2h at the point with the frequency of 30Hz, acceleration of 7m/s^2 .

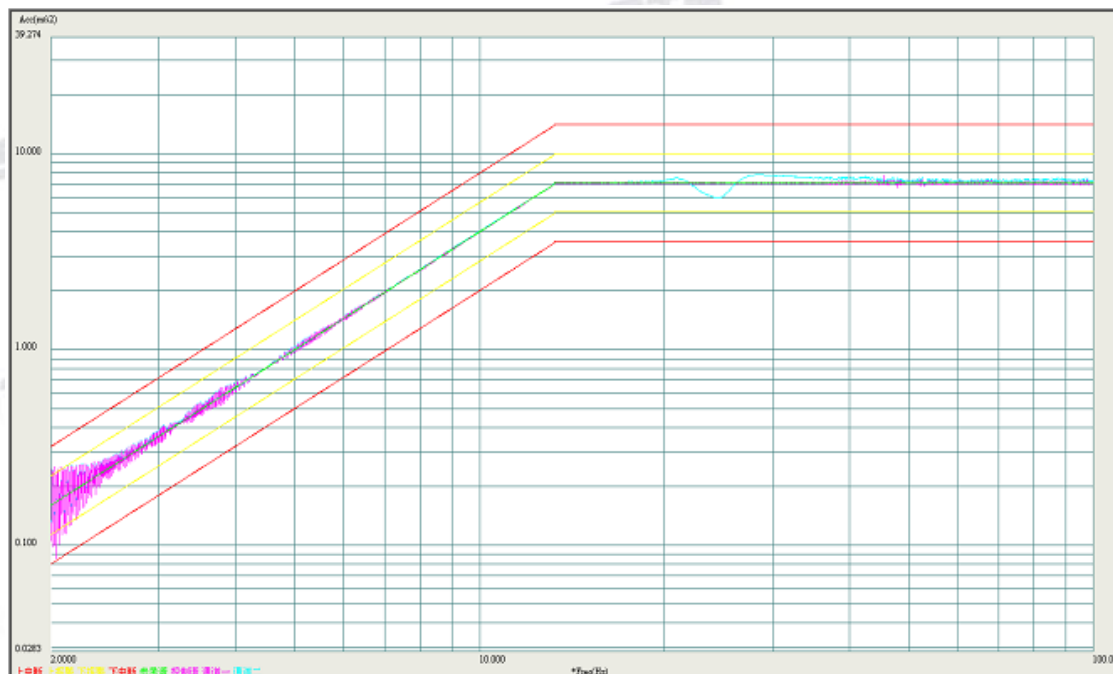
(3) Check the performance of the sample during and after the test.

(4) The test curves are attached to page 4.

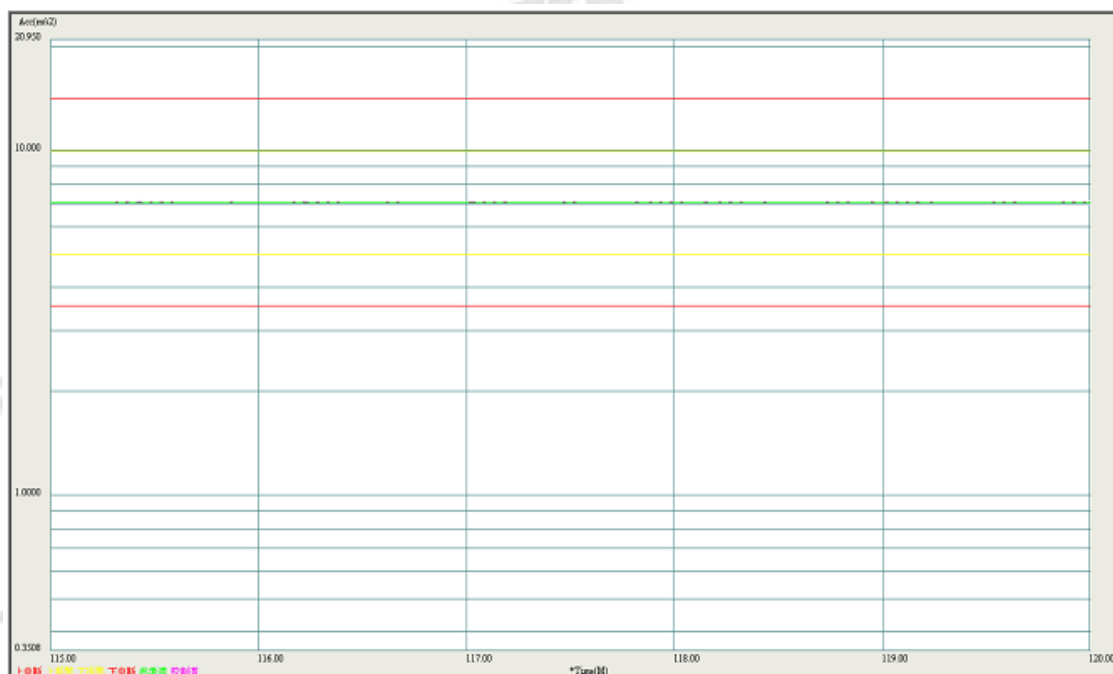
Note: There is no resonance point at Z-axis vibration during the test.



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Z-axis Swept Vibration Curve



Z-axis Fixed Frequency Vibration Curve (30Hz, 7m/s²)



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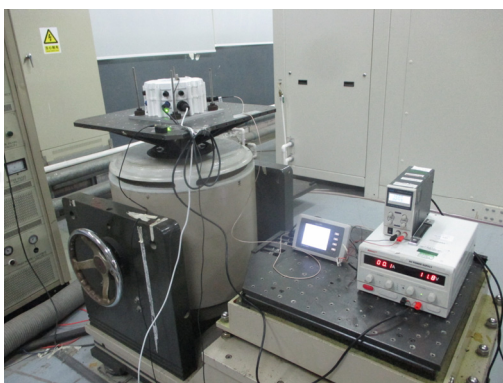
Appendix: Test Pictures

Pre-test:

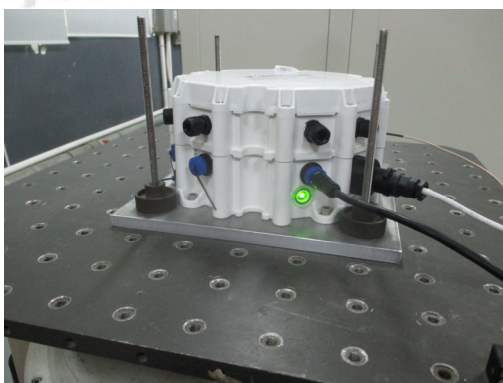


The Sample

Testing:



Z-axis Vibration



The AIS unit's LED is green

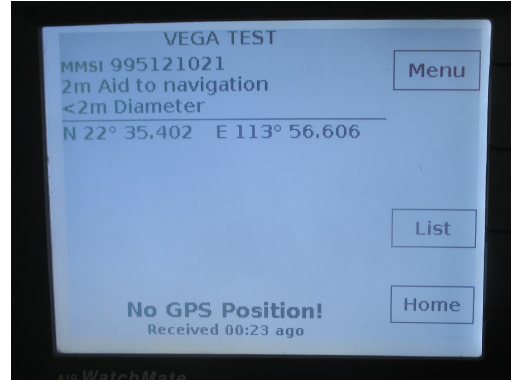


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Swept Vibration:



AIS WatchMate Receiver DC 12V



The MMSI number is "995121021"

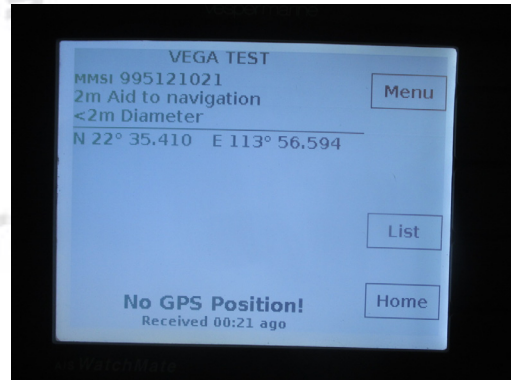


Vega Beacon DC 12V

Fixed Frequency Vibration:



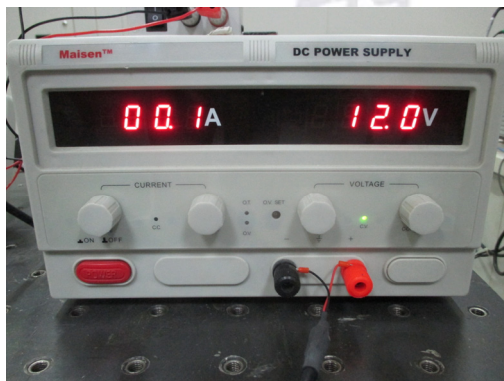
AIS WatchMate Receiver DC 12V



The MMSI number is "995121021"



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Vega Beacon DC 12V

Post-test:



- - - END OF THE REPORT - - -



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