



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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TEST REPORT

No.: WZ1503160210

Date: Mar 16, 2015

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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

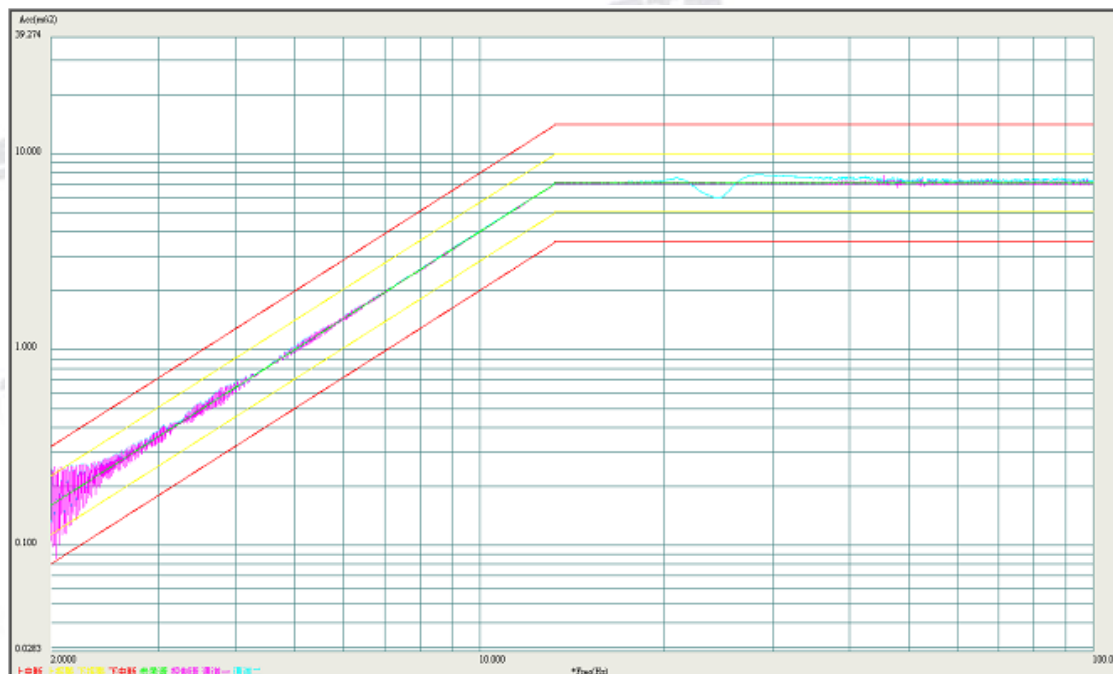
3. Test Remark & Notes:

- (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.

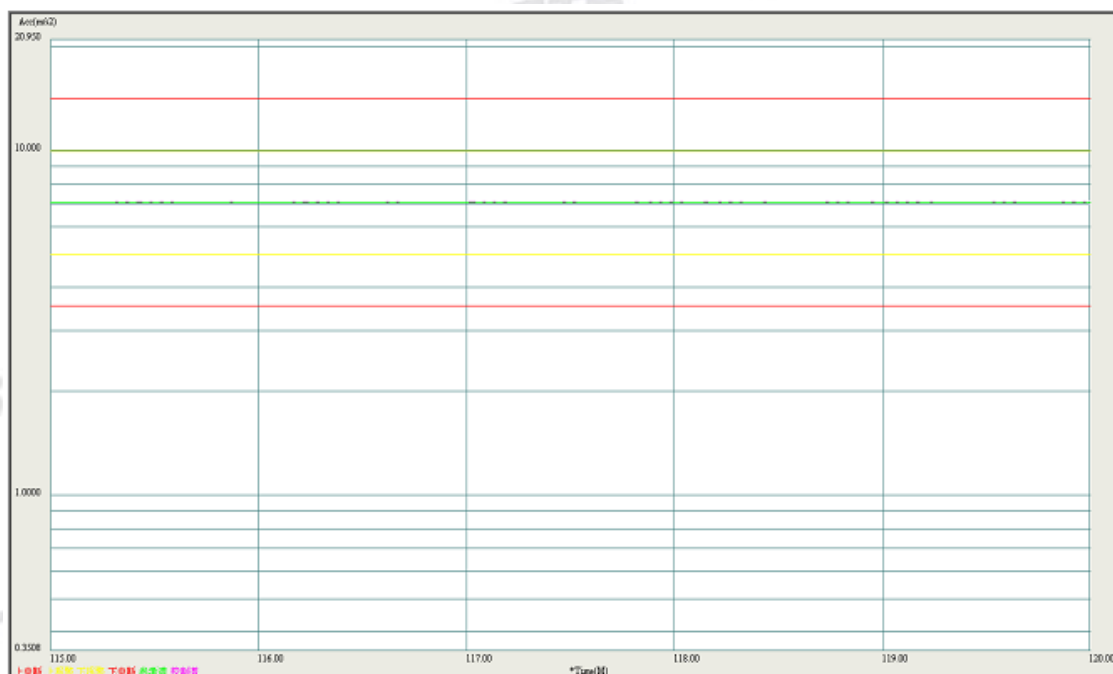
Note: There is no resonance point at Z-axis vibration during the test.



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Z-axis Swept Vibration Curve



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



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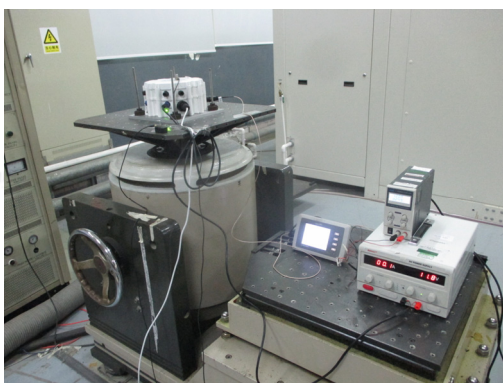
Appendix: Test Pictures

Pre-test:

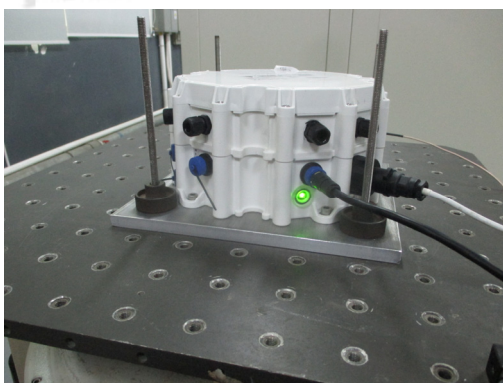


The Sample

Testing:



Z-axis Vibration



The AIS unit's LED is green



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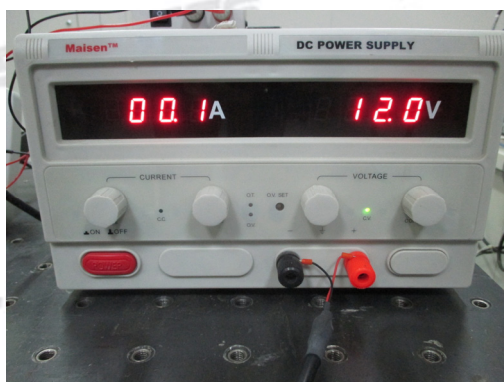
Swept Vibration:



AIS WatchMate Receiver DC 12V



The MMSI number is "995121021"

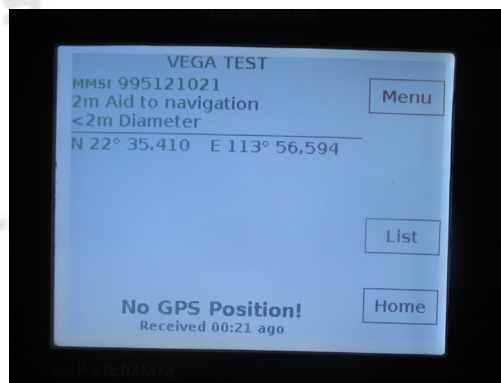


Vega Beacon DC 12V

Fixed Frequency Vibration:



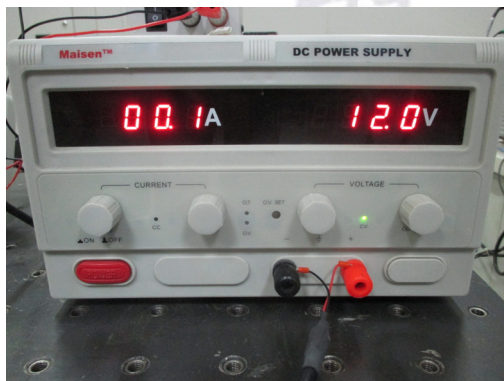
AIS WatchMate Receiver DC 12V



The MMSI number is "995121021"



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Vega Beacon DC 12V

Post-test:



- - - END OF THE REPORT - - -



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