

Test Report

Verified code:944474

Report No.:H202009305994-01EN

Customer: Tersus GNSS INC

Address: Room203, Building 02, Lane 666, zhangheng Road, Pudong District, Shanghai, P.R.China

Sample description: Oscar

Sample model: oscar-ultmate

Reference document: MIL-STD-810G and according to the order H202009305994

Receive sample date: Oct.14,2020

Test date: Oct.22,2020~ Oct.24,2020

Test result: Meet the requirements

Prepared by He Zhenwei Reviewed by LiuBeihui Approved by BobChen

Prepared by He Zhenwei. Reviewed by LiuBeiHui (Deputy Manager) [Signature]

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Issued Date: 2020/10/27

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Statement

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1 Vibration Test

1.1 Test condition

1.1.1 Test basis: MIL-STD-810G and according to the order H202009305994.

1.1.2 Carry out vibration test according to the test parameters in table 1-1.

1.1.3 Test axial and time: Vertical-axis, Transverse-axis, Longitudinal-axis, vibration for 8h/axis.

Table 1-1 Vibration test parameters condition

Vertical		Transverse		Longitudinal	
Frequency,Hz	PSD,g ² /Hz	Frequency,Hz	PSD,g ² /Hz	Frequency,Hz	PSD,g ² /Hz
10	0.015	10	0.00013	10	0.00650
40	0.015	20	0.00065	20	0.00650
500	0.00015	30	0.00065	120	0.00020
Rms=1.04g		78	0.00002	121	0.00300
		79	0.00019	200	0.00300
		120	0.00019	240	0.00150
		500	0.00001	340	0.00003
		Rms=0.20g		500	0.00015

1.2 Sample information

Sample information is shown in Table 1-2.

Table 1-2 Sample information

Sample	Model	Quantity	Test No.
Oscar	oscar-ultimate	1pc	H202009305994-1#

1.3 Test requirements

1.3.1 Judgment basis: according to the order H202009305994.

1.3.2 After the test, whether the sample function is normal.

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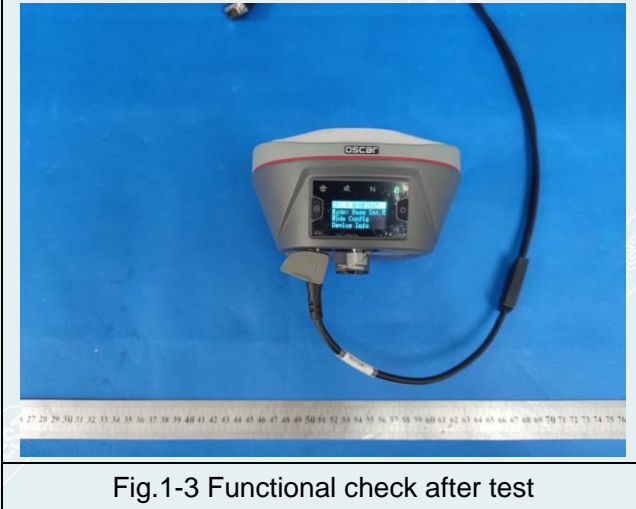
1.4 Test result

The test results are shown in Table 1-3.

Table 1-3 test result

Test No.	Test result	Conclusion
H202009305994-1#	After the test ,the sample function is normal.	Meet the requirements

1.5 Test photos

	
<p>Fig.1-1 Samples before test</p>	<p>Fig.1-2 Samples after test</p>
	<p>/</p>
<p>Fig.1-3 Functional check after test</p>	<p>/</p>

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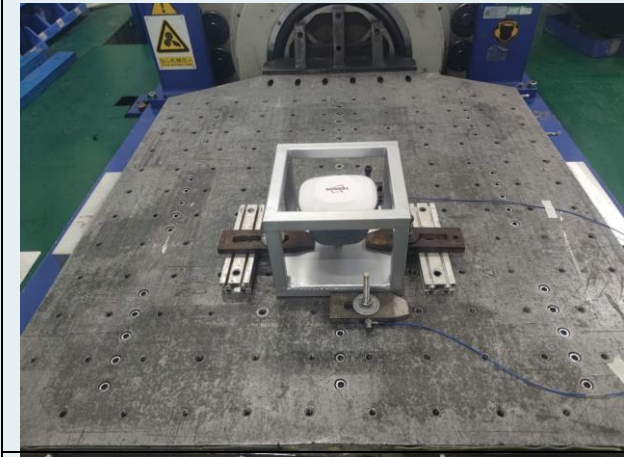


Fig.1-4 The test sample sets up the Transverse-axis

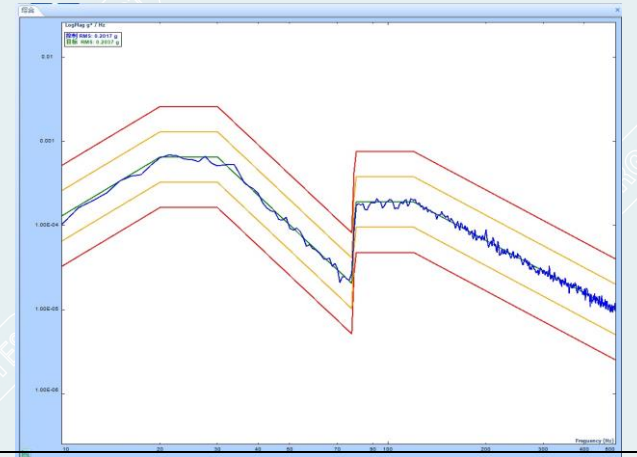


Fig.1-5 Vibration curve(Transverse-axis)

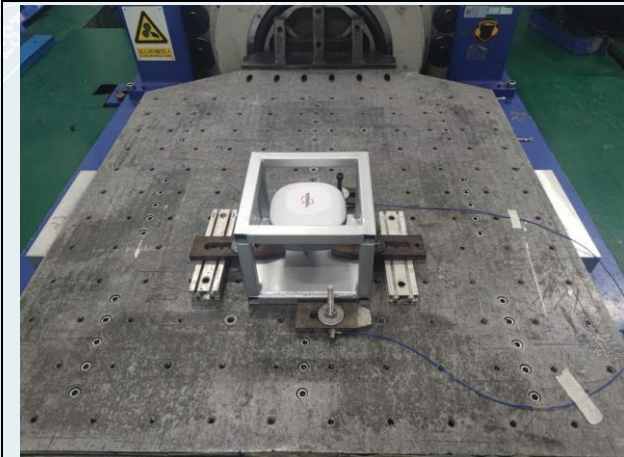


Fig.1-6 The test sample sets up the Longitudinal-axis

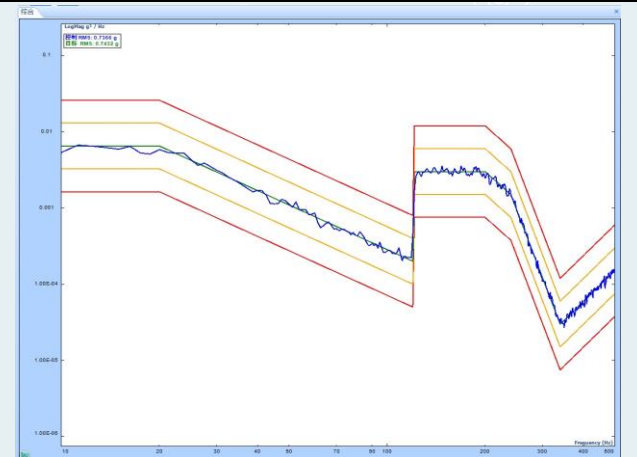


Fig.1-7 Vibration curve(Longitudinal-axis)

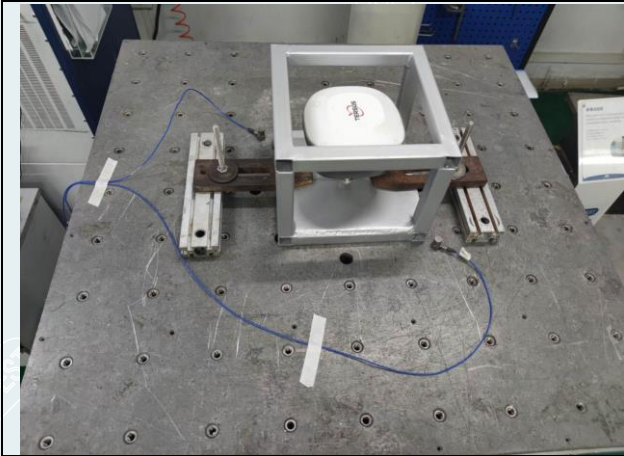


Fig.1-8 The test sample sets up the Vertical-axis

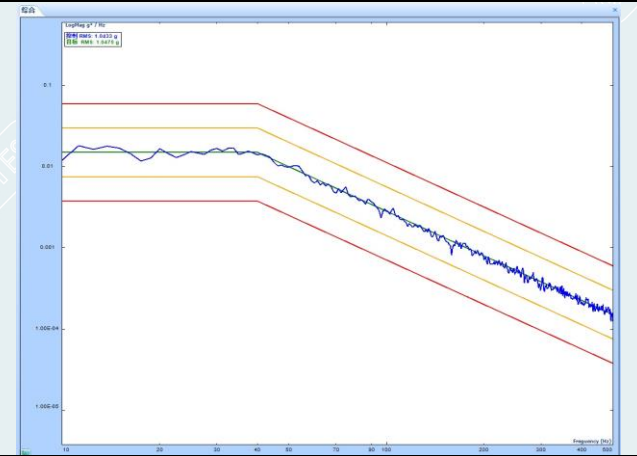


Fig.1-9 Vibration curve(Vertical-axis)

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2 Test equipments

List of instruments for testing equipment					
No.	Testing item	Equipment	Type	Serial No.	Calibration valid date
1	Vibration Test	Electromagnetic vibration table	DC-5000-50	150302	2020-06-05~2021-06-04
			MPA409/LS437A	SH1508211	2020-06-05~2021-06-04
		sensor	357B03	LW65078	2020-06-10~2021-06-09
				LW65079	2020-06-10~2021-06-09

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