



Test Report No.: TDAAGC-WTW-P21060688R1

Client

Name : Sierra Wireless Inc.
Address : 13811 Wireless Way Richmond, British Columbia Canada, V6V 3A4

Test Item : Wireless Gateway/Router

Identification : XR90 5G

Testing laboratory

Name : Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Address : No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Result : The test items of EN50155:2017 passed.

Prepared By :

2022-05-12

Signature

Date

Charles Yeh

Project Handler

Approved By:

2022-05-12

Signature

Date

Edward Chiueh

Reviewer



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

General product information:

- 1) The equipment is a Class III Wireless Gateway/Router, which is intended to be used with information technology equipment covered by the scope of this standard.
- 2) Input voltage: 24Vdc
- 3) The operating temperature range is specified as -30°C ~ +70°C. (Class: OT3)
- 4) Dimension of EUT: 265 x 188 x 55 mm.
- 5) This device is intended for indoor use only.
- 6) Attachment: Vibration & Shock report.

This report no. TDAAGC-WTW-P21060688R1 is to replace the original report no. TDAAGC-WTW-P2106088 due to add EN 45545-2 statement into flammability test per applicant's request.

Test condition:

Temperature: 25°C
Relative humidity: 60%
Air pressure: 950 mbar



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 5.1.1.2, 13.4.3.2	DC power supply range
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2022-02-25
Information about test condition:	Un: <u>24 Vdc</u> .		

Requirement	Result	Performance Criterion	Acceptance Requirement
0.7Un / 10min and			
Any deviation of function?	No	A	A
1.25Un / 10min			
Any deviation of function?	No	A	A

Note:
Performance Criteria:
 A: No any deviations.
 B: During test, degradation allowed. Change operating status is not allowed.
 C: During test, temporary loss function allowed. The EUT can automatically or manually restart.

Result:	PASS
Equipment used:	215, 217, 46, 226, 115, 158



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 5.1.1.3, 13.4.3.2	Temporary DC power supply fluctuation		
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2022-02-25
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Information about test condition:	Un: <u>24 Vdc</u> .		
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Requirement	Result	Performance Criterion	Requirement
Temporary supply overvoltages: between U_n and $1.4 U_n$ and not exceeding 0.1 s			
Any deviation of function?	No	A	A
Temporary supply overvoltages lying between $1.25 U_n$ and $1.4 U_n$ and not exceeding 1 s			
Loss function?	No	A	B
Temporary supply dips lying between U_n down to $0.6 U_n$ and not exceeding 0.1 s			
Any deviation of function?	No	A	A

Note:
Performance Criteria:
 A: No any deviations.
 B: During test, degradation allowed. Change operating status is not allowed.
 C: During test, temporary loss function allowed. The EUT can automatically or manually restart.

Result:	PASS
Equipment used:	215, 217, 46, 226, 115, 158



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 5.1.1.4, 13.4.3.4	Interruptions of voltage supply
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2022-02-25
Information about test condition :	Un: <u>24 Vdc</u> .		

Requirement	Result	Performance Criterion	Requirement
Class S1: In case of voltage interruption, no performance criterion is requested but the equipment shall continue to operate as specified after the voltage interruption.	Unit shutdown. Auto-restart after voltage interruption. (Pass)	C	C
Note: Performance Criteria: A: No any deviations. B: During test, degradation allowed. Change operating status is not allowed. C: During test, temporary loss function allowed. The EUT can automatically or manually restart.			

Result:	PASS (Class S1)
Equipment used:	215, 217, 46, 226, 115, 158



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 5.1.3 13.4.3	Supply Change Over Test
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST	2022-02-25
Information about test condition:	Un: <u>24 Vdc</u> .		

Requirement	Result	Performance Criterion	Requirement
Class C1: At 0.6Un during 100ms (without interruptions)			
Any deviation of function?	No	A	A

Note:
Performance Criteria:
 A: No any deviations.
 B: During test, degradation allowed. Change operating status is not allowed.
 C: During test, temporary loss function allowed. The EUT can automatically or manually restart.

Result:	PASS (Class C1)
Equipment used:	215, 217, 46, 226, 115, 158



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 13.4.2	Performance Test
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2022-02-25
Information about test condition:	<ol style="list-style-type: none"> Measurements shall be carried out at the ambient temperature. The performance test for type testing shall consist of a comprehensive series of measurements of the characteristics of the equipment to check that its performance is in accordance with the functional requirements of the particular equipment concerned, including any special requirements of its individual specification, and general requirements of this standard. 		

Requirement	Result	Remarks
Functional test meet the requirements?	Yes	Performance A
Does the function meet the requirement under supply variations?		
Does the function meet the requirements at nominal supply voltage and at the specified upper and lower limits?	Yes	Performance A
Does the function meet the requirement under supply interruption test?		
5.1.1.2 Interruptions of voltage supply Test	S1	Performance C
5.1.3 Supply Change Over Test	C1	Performance A

Note:
Performance Criteria:
A: No any deviations.
B: During test, degradation allowed. Change operating status is not allowed.
C: During test, temporary loss function allowed. The EUT can automatically or manually restart.

Result:	Pass
Equipment used:	215, 217, 46, 226, 115, 158



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 13.4.4	Low temperature start-up test
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST :	2022-03-04
Information about test condition:	IEC 60068-2-1 Test Ad. 2 hours min. (EUT turn off during cooling) Temperature: <u>-25°C</u> . Turn on at the end of the period.		

Requirement	Result	Remarks
The end of the period of Low temperature start-up test (-25°C)		
VISUAL INSPECTION. Any outlook damage or not conformity?	No	No damage
Functional test meet the requirements at the end of the period ?	Yes	Performance A
After recovery (25°C)		
VISUAL INSPECTION. Any outlook damage or not conformity?	No	No damage
Functional test meet the requirements after recovery?	Yes	Performance A
Note: Performance Criteria: A: No any deviations. B: During test, degradation allowed. Change operating status is not allowed. C: During test, temporary loss function allowed. The EUT can automatically or manually restart.		

Result:	Pass
Equipment used:	46, 115, 226, 241



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 13.4.5	Dry Heat Test
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2022-03-02
Information about test condition:	IEC 60068-2-2 Test Bd. 6 hours min. (EUT turn on during dry heat) Temperature: <u>+ 70°C</u> . After the period, additional 10 min for +15°C. (T cannot over the limit.)		

Requirement	Result	Remarks
During dry heat (70°C)		
VISUAL INSPECTION. Any outlook damage or not conformity?	No	No damage
Functional test meet the requirements at the end of the period ?	Yes	Performance A
During over-heat (+15°C / 10 min) (85°C)		
Functional test meet the requirements at the end of the period ?	Yes	Performance A
After recovery (25°C)		
VISUAL INSPECTION. Any outlook damage or not conformity?	No	No damage
Functional test meet the requirements after recovery?	Yes	Performance A
Note: Performance Criteria: A: No any deviations. B: During test, degradation allowed. Change operating status is not allowed. C: During test, temporary loss function allowed. The EUT can automatically or manually restart.		

Result:	Pass (Class ST1)
Equipment used:	46, 115, 226, 241



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

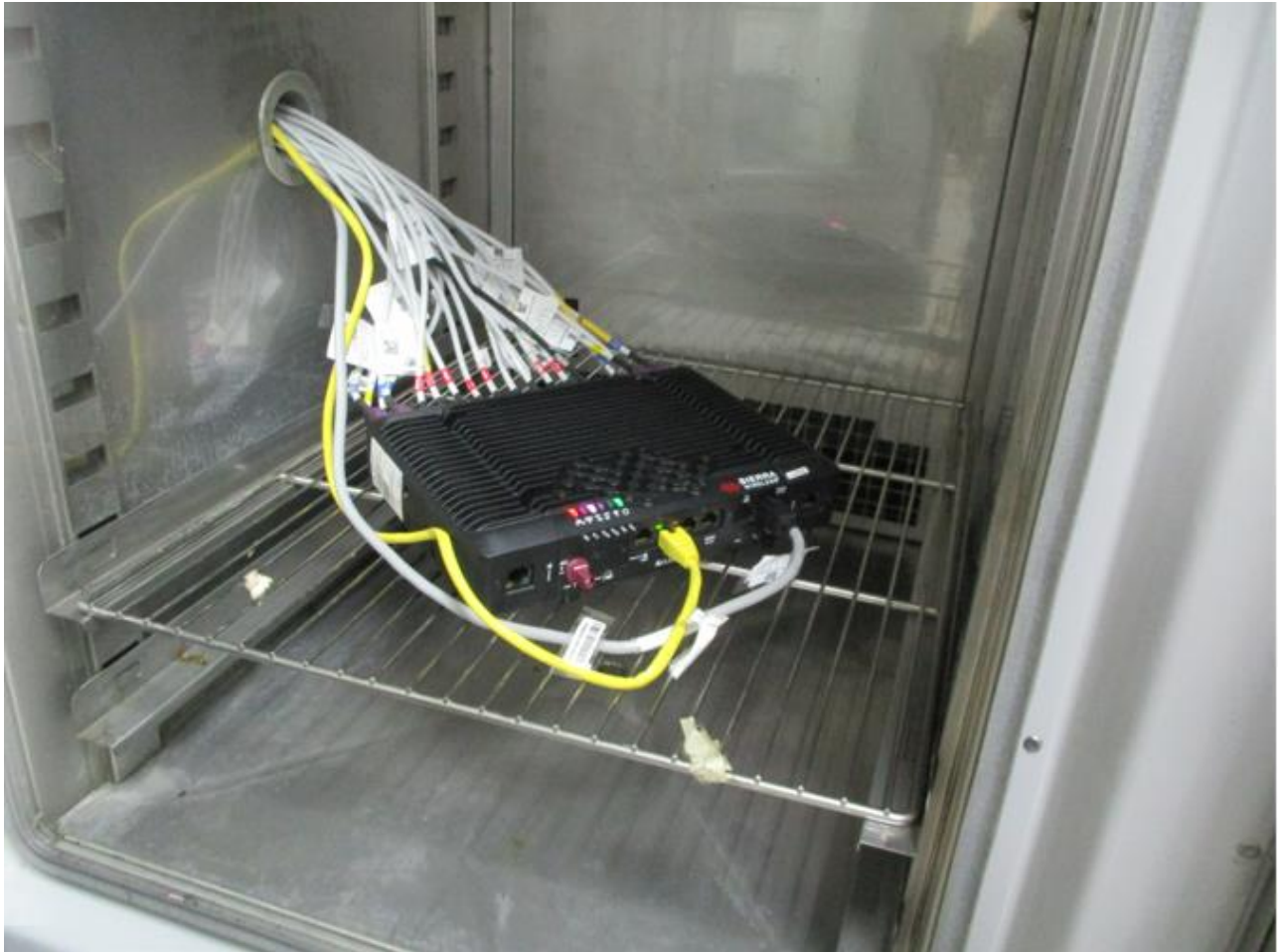
Subclause 13.4.7	Cyclic damp heat test
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2022-02-25~ 2022-02-27
Information about test condition:	IEC 60068-2-30 Test Dd. Temperatures: + 55 °C and + 25 °C Number of cycles: 2 Time: 2 x 24 hours The equipment under test shall not be powered except during the performance check.		

Requirement	Result	Remarks
Intermediate Measurement: During Damp Heat Test (begin of second cycle)		
VISUAL INSPECTION. Any outlook damage or not conformity?	Pass	No damage
Functional test meet the requirements at the end of the period ?	Pass	Performance A
After recovery		
Insulation Measurement Test	-	See Note*
Voltage Withstand Test	-	See Note*
VISUAL INSPECTION. Any outlook damage or not conformity?	Pass	No damage
Functional test meet the requirements after recovery?	Pass	Performance A
Note: Performance Criterions: A: No any deviations. B: During test, degradation allowed. Change operating status is not allowed. C: During test, temporary loss function allowed. The EUT can automatically or manually restart. *: The DC returns of circuits are connected to metal enclosure, the insulation test are waived.		

Result:	Pass
Equipment used:	46, 115, 226, 241, 53

Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict





Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Subclause 13.4.9	Insulation Test
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BV ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	-
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Information about test condition:	The DC returns of circuits are connected to metal enclosure, the insulation test are waived.
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12.2.9.1 Insulation Measurement Test

Test Location	Insulation Resistance (Ω)	Insulation Resistance (Ω) (after Voltage Withstand Test)
N/A	N/A	50G

Supplementary information:

12.2.9.2 Voltage Withstand Test
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Test Location	Test Voltage (V)	Breakdown?
N/A	N/A	No

Supplementary information:
- 500 V for nominal battery voltages below 72 V (or 50 volts a.c.) - 1 000 V for nominal battery voltages from 72 V up to 125 V, (or from 50 to 90 V a.c.), and - 1 500 V for nominal battery voltages above 125 V and up to 315 V, (or from 90 to 225 V a.c.)

Result:	N/A
Equipment used:	N/A



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

EN 45545-2, R25 IEC/EN 60695-2-11	Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT)
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ADT No.:	AAGC-WTW-P21060688	DATE OF TEST:	2021-06-25
Information about test condition:	Pre-condition: 15-35°C; 45-75%; 24h ; Test condition: 15-35°C; < 75% One test specimen. 1. Parts of non-metallic insulating material are tested as below: - external parts of non-metallic material 550°C - Attended Appliances - for connections that carry a current exceeding 0,5 A during normal operation...750°C - for other connections,650°C - Unattended Appliances 2. Parts of insulating material supporting connections that carry a current exceeding 0,2 A during normal operation , and parts of insulating material within a distance of 3 mm of such connections, shall have a glow-wire flammability index of at least850°C 3. Parts of insulating material supporting current-carrying connections, and parts of insulating material within a distance of 3 mm of such connections - for connections which carry a current exceeding 0,2 A during normal operation...750°C - for other connections.....650°C		

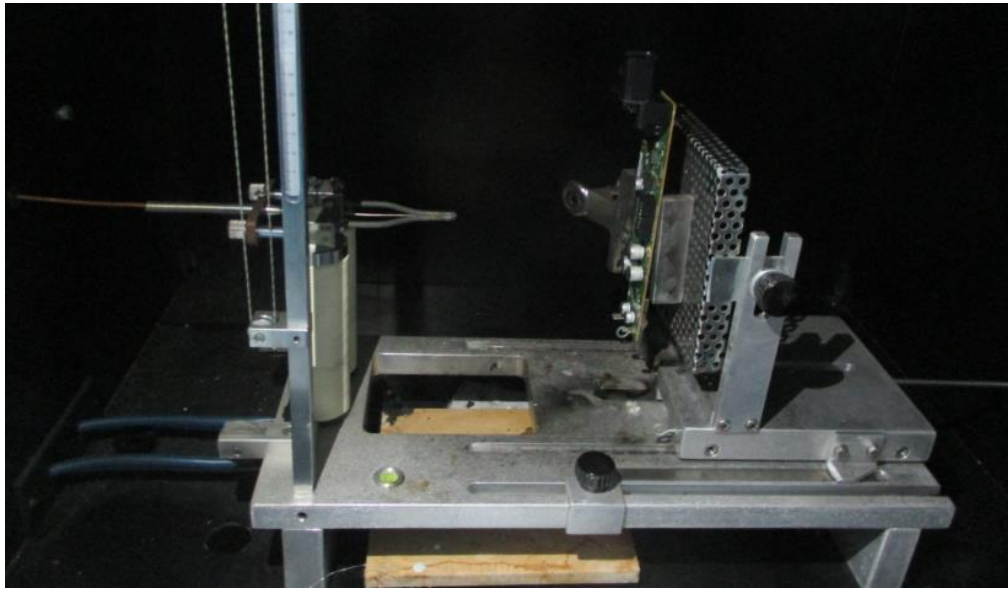
Position and description of test part of the sample:	Requirement Test	Flame Duration (First 30s)	Flame Duration (Next 30s)	Burning drop ignite tissue paper	Verdict
Main PCB (5304890_7)	Glow-wire test at 850 °C	No flame	No flame	No burning drop; No ignite tissue paper.	Pass
WiFi PCB (5304891-4)	Glow-wire test at 850 °C	No flame	No flame	No burning drop; No ignite tissue paper.	Pass
Cartridge PCB: Stack A: (5304893_4)	Glow-wire test at 850 °C	No flame	No flame	No burning drop; No ignite tissue paper.	Pass
Cartridge PCB: Stack B: (RJ45 board)	Glow-wire test at 850 °C	No flame	No flame	No burning drop; No ignite tissue paper.	Pass
Cartridge PCB2: (X55 5G modem)	Glow-wire test at 850 °C	No flame	No flame	No burning drop; No ignite tissue paper.	Pass

Remark:
 The details of PCB materials listed as below.
 1. Main PCB (5306183_1): WUS, Ltd. Type MV11, 94V-0.
 2. Wi-Fi PCB (5305233_4) : WUS, Ltd. Type MV11, 94V-0.
 3. Cartridge PCB: Stack A (5304893_4): Doosan, DSF-400G, 94V-0.
 4. Cartridge PCB: Stack B (RJ45 board): Shengyi, S1000, 94V-0.
 5. Cartridge PCB: X55 5G modem: AT&S, MX8, 94V-0.

Result:	Pass
Equipment used:	46, 115, 226, 126



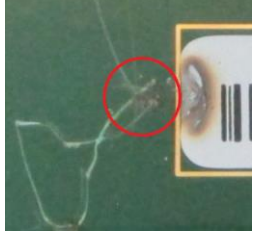
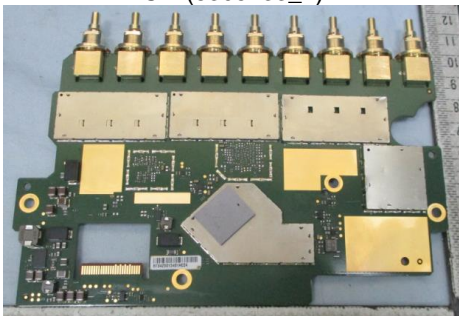






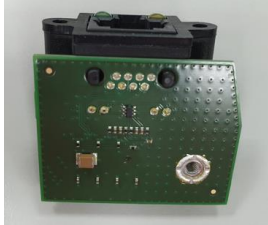
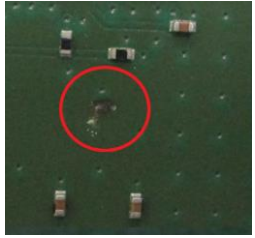

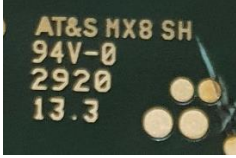
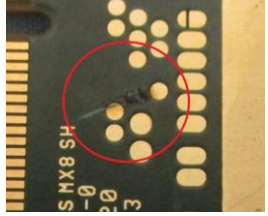
Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Test setup 1



Test setup 2



Environment Tests				
Clause	Requirement + Test	Result - Remark	Verdict	
	PCB (5306183_1) :			
	PCB (5305233_4) :			
	PCB (5304893_4) :			
	PCB (RJ45 board) :			
	PCB (X55 5G modem) :			



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Instruments list						
Instru. No.	Range Used	*Instruments, Type	Maker	Model	Calibration Date	Calibration Due
46	Real Time	Timer (Clock)	Chyau Jye	Chyau Jye	2021-10-29	2022-10-28
53	30-1000V, 0.1-50GΩ	Insulation Tester	Extech	8205	2021-09-11	2022-09-10
115	Temp.: -20~40°C Humi.: 0~100%	Thermo-Hygro Graph	Isuzu	3-3127R	2021-06-10	2022-06-09
158	400MHz, 4ch, 2.5GS/ch, 10Mpts	Digital Oscilloscope	LECROY	WS-44XS	2021-05-24	2022-05-23
215	0-300V, 30A	Preceision Power Analyzer	Yokogawa	WT3000	2021-05-27	2022-05-26
217	0~300V/15~1.5k Hz / 18KVA	Programable AC Source	Chroma	61512	-	-
226	300~1200 hPa	atmospheric pressure gauge	testo	testo 511	2021-05-18	2022-05-17
241	-	Temperature/Humidity Test Chamber	TAICHY	MHU-225LA	2021-06-01	2022-05-31
126	0-960°C	Glow-wire Tester	Galbusera	02.06	2021-03-08	2022-03-09



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

Attachment

Vibration & Shock Test Report



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict



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 Report Issue Date: MAR 03, 2022
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 Version : A

TEST REPORT

Company : Sierra Wireless Inc.
 Address : 13811 Wireless Way Richmond, British Columbia Canada, V6V 3A4
 Sample Name : Wireless Gateway/Router
 Model Name : XR90 5G
 Date Received : FEB 21, 2022
 Date Tested : FEB 21, 2022 ~ FEB 23, 2022

Signed for and on behalf of
 DEKRA iST Reliability Services Inc.

Injel Chen
 Approver

Injel Chen
 Reviewer

Bio Peng
 Engineer





Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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REVISION HISTORY

Rev.	Date	Author	Revision Description
A	MAR 03, 2022	Yinfen Hou	First release



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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1. GENERAL INFORMATION

1.1 DESCRIPTION OF UNIT

Manufacturer : Sierra Wireless Inc.
Sample name : Wireless Gateway/Router
Model name : XR90 5G
Sample quantity : 1 unit

1.2 UNIT OPERATING CONDITION

During operating testing, unit power is on and functioning.



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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2. VIBRATION TEST

2.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date	Test Location
LDS V-830-335 LPT COMBO	SP8239-001	MAY 06, 2021	No.22, Puding Road

2.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C
 Relative humidity : 50 % ± 25 %

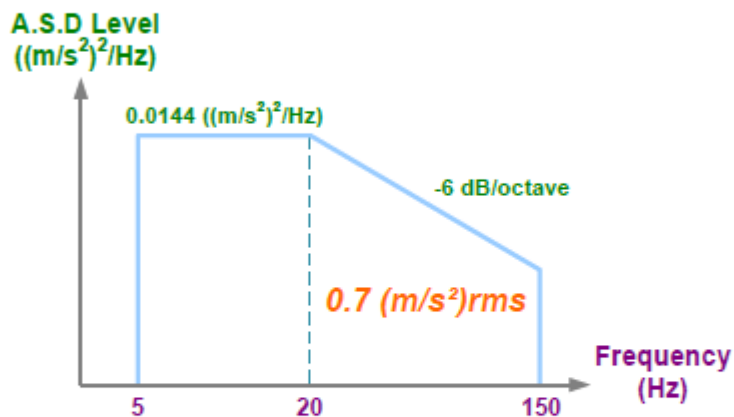
2.3 REFERENCE DOCUMENT

The test refers to EN 61373 (2010) specification.

2.4 TEST CONDITION

2.4.1 Test condition 1 (Operating / X axis)

Unit is operating.
 Vibration waveform : Random waveform



Duration of test / Vibration axis : 10 minutes for X axis



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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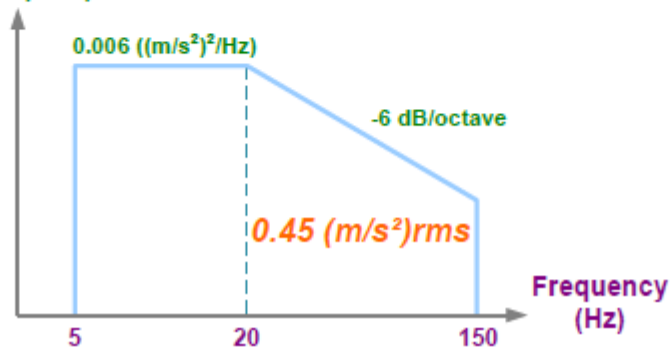
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2.4.2 Test condition 2 (Operating / Y axis)

Unit is operating.

Vibration waveform : Random waveform

A.S.D Level
 $((m/s^2)^2/Hz)$



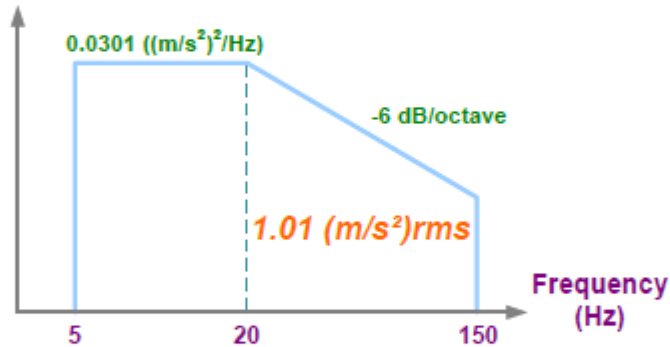
Duration of test / Vibration axis : 10 minutes for Y axis

2.4.3 Test condition 3 (Operating / Z axis)

Unit is operating.

Vibration waveform : Random waveform

A.S.D Level
 $((m/s^2)^2/Hz)$



Duration of test / Vibration axis : 10 minutes for Z axis



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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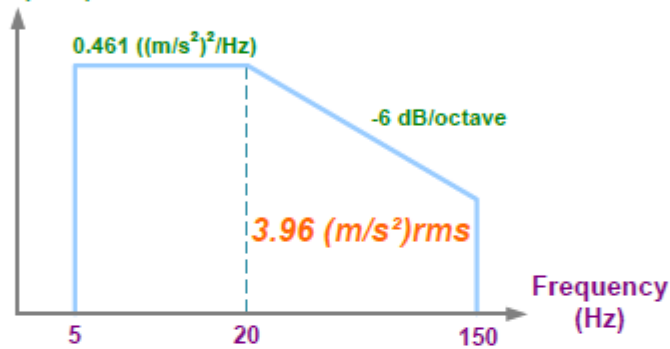
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2.4.4 Test condition 4 (Non-operating / X axis)

Unit is non-operating.

Vibration waveform : Random waveform

A.S.D Level
 $((m/s^2)^2/Hz)$



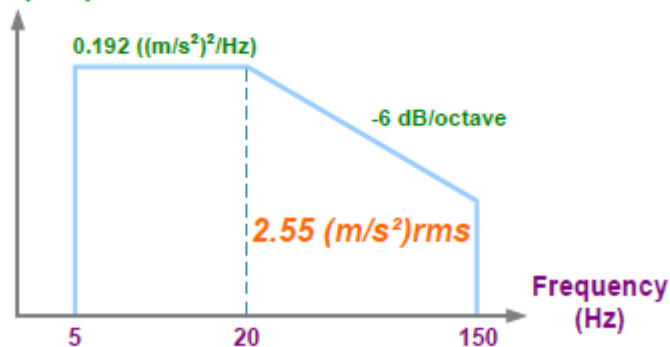
Duration of test / Vibration axis : 5 hours for X axis

2.4.5 Test condition 5 (Non-operating / Y axis)

Unit is non-operating.

Vibration waveform : Random waveform

A.S.D Level
 $((m/s^2)^2/Hz)$



Duration of test / Vibration axis : 5 hours for Y axis



Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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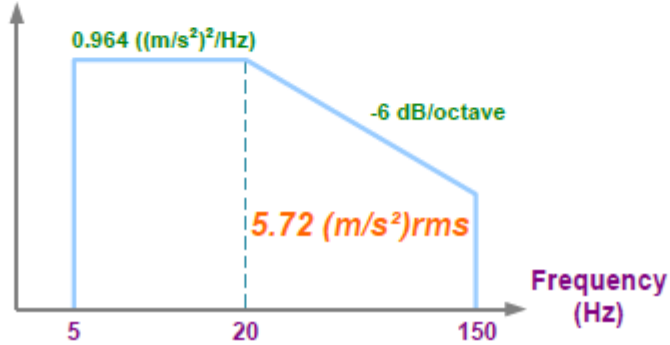
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2.4.6 Test condition 6 (Non-operating / Z axis)

Unit is non-operating.

Vibration waveform : Random waveform

A.S.D Level
 $((m/s^2)^2/Hz)$



Duration of test / Vibration axis : 5 hours for Z axis

2.5 SUMMARY OF TEST

After testing, the function of unit was normal.

Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

DEKRA IST Reliability Services Inc.

Reliability Testing Laboratory

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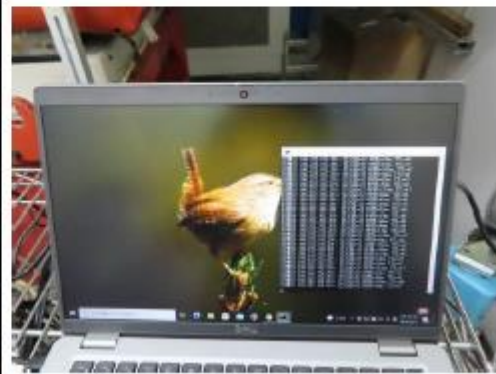
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2.6 PHOTO OF TEST

Operating



X axis



Y axis




Z axis


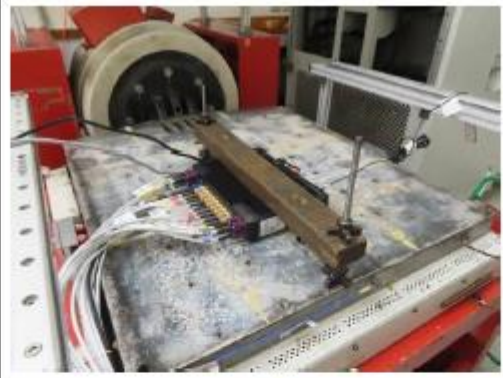
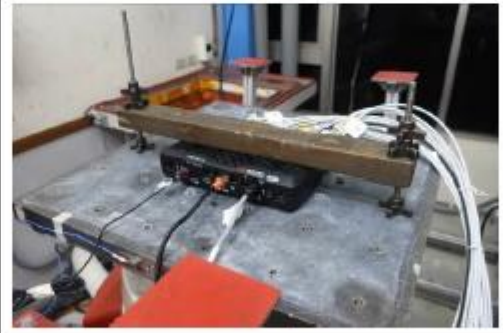


Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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Non-operating
X axis

Y axis

Z axis




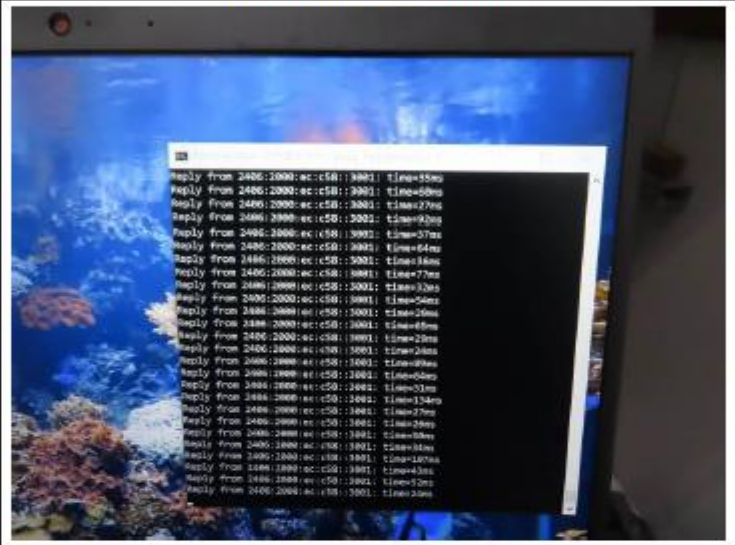
Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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After testing

The function of unit was normal





Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

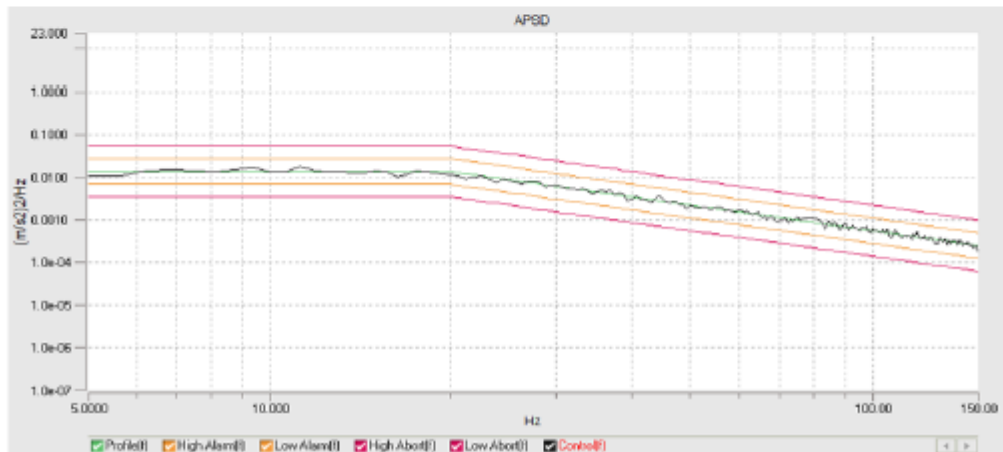
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2.7 GRAPH OF TEST

【Operating】

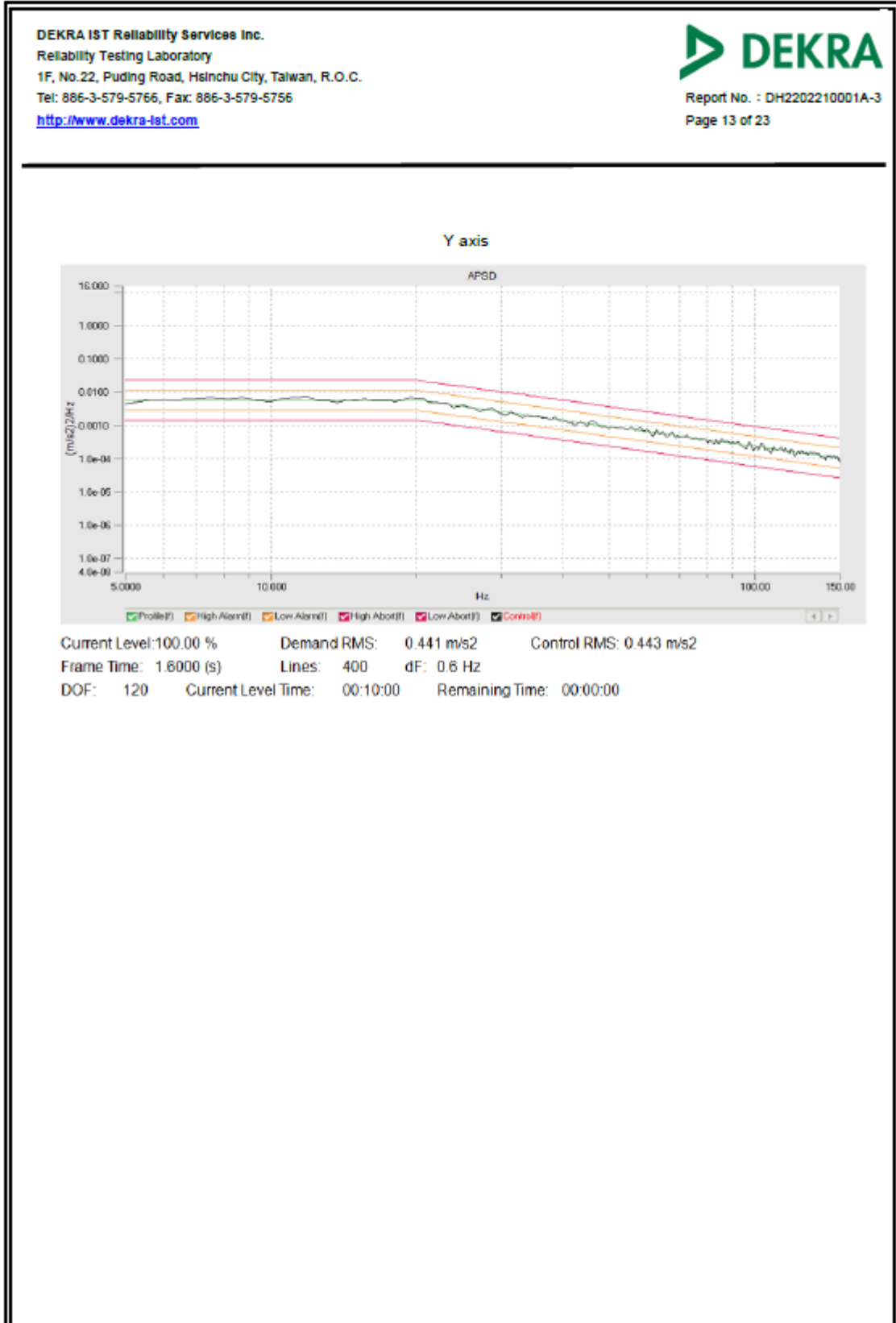
X axis



Current Level: 100.00 % Demand RMS: 0.683 m/s² Control RMS: 0.677 m/s²
 Frame Time: 1.6000 (s) Lines: 400 dF: 0.6 Hz
 DOF: 120 Current Level Time: 00:10:00 Remaining Time: 00:00:00

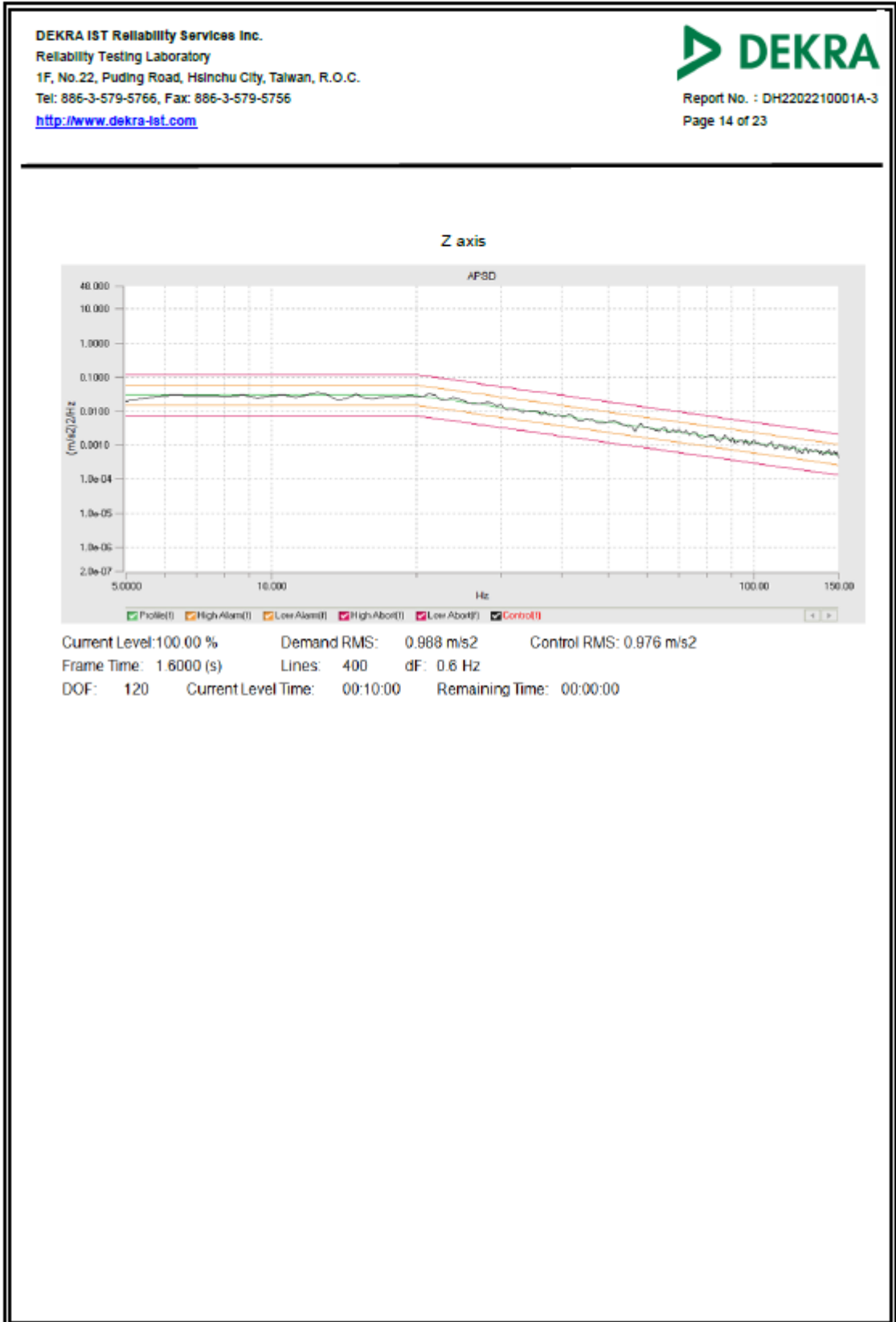


Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict



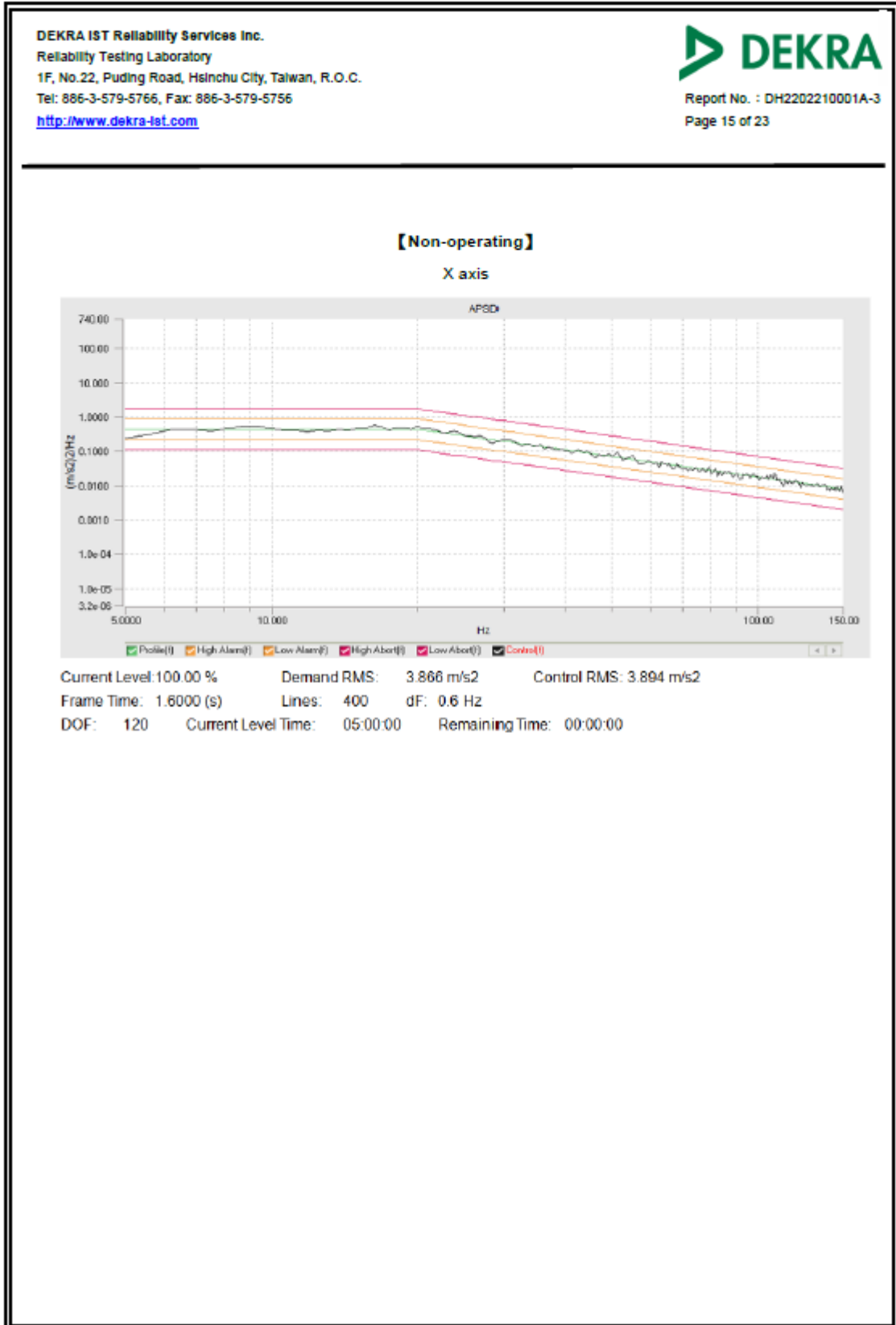


Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict





Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict





Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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Y axis

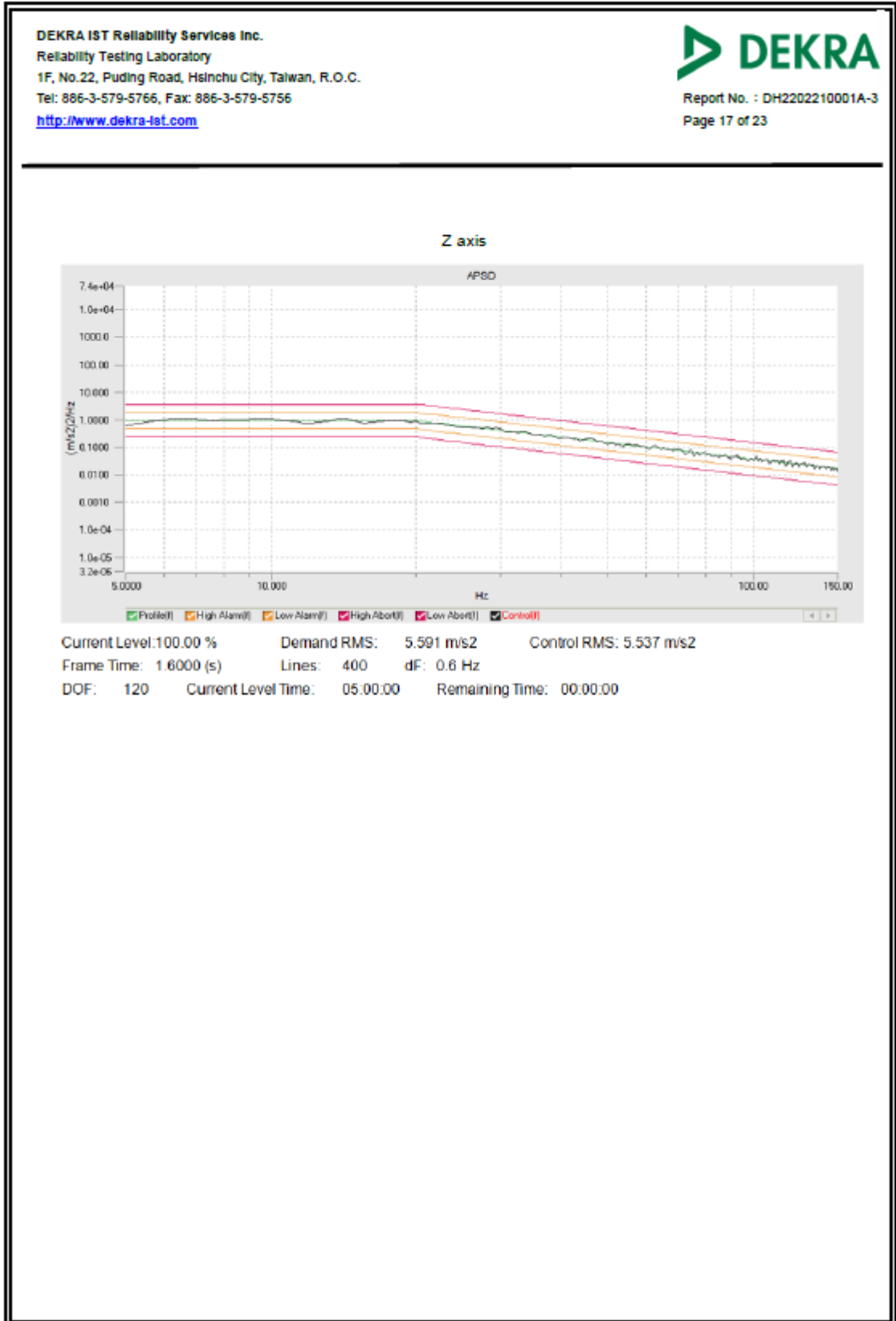
APSD

Profile()
 High Alarm()
 Low Alarm()
 High Abort()
 Low Abort()
 Control()

Current Level: 100.00 % Demand RMS: 2.495 m/s² Control RMS: 2.488 m/s²
 Frame Time: 1.6000 (s) Lines: 400 dF: 0.6 Hz
 DOF: 120 Current Level Time: 05:00:00 Remaining Time: 00:00:00




Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict





Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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3. SHOCK TEST

3.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date	Test Location
LDS V-830-335 LPT COMBO	SP8239-001	MAY 06, 2021	No.22, Puding Road

3.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C
Relative humidity : 50 % ± 25 %

3.3 REFERENCE DOCUMENT

The test refers to EN 61373 (2010) specification.

3.4 TEST CONDITION

3.4.1 Test condition 1 (±X axis)

Unit is operating.
Pulse shape : Half-sine waveform
Impact acceleration : 50 m/s²
Pulse duration : 30 ms
Number of shocks / Orientation : 6 shocks (3 shocks for ±X axis)

3.4.2 Test condition 2 (±Y and ±Z axes)

Unit is operating.
Pulse shape : Half-sine waveform
Impact acceleration : 30 m/s²
Pulse duration : 30 ms
Number of shocks : 12 shocks (3 shocks for each ±axis)
Orientation : ±Y and ±Z axes

3.5 SUMMARY OF TEST

After testing, the function of unit was normal.

Environment Tests

Clause	Requirement + Test	Result - Remark	Verdict
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3.6 PHOTO OF TEST

Operating



±X axis



±Y axis




±Z axis





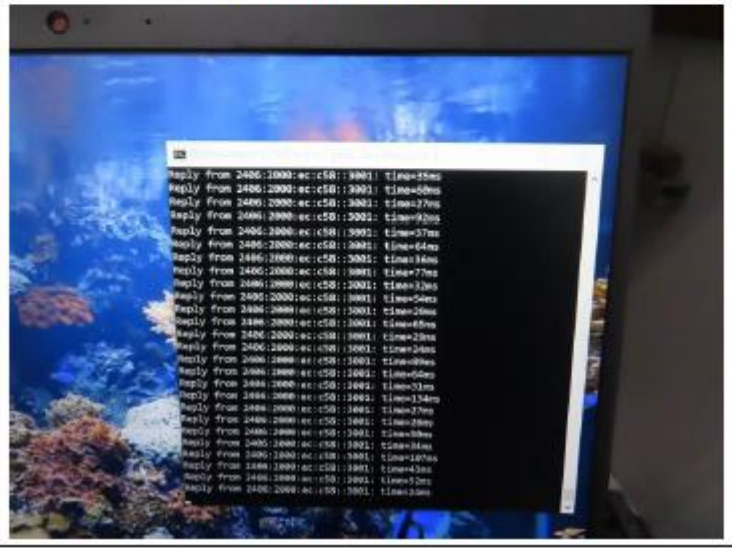
Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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After testing

The function of unit was normal





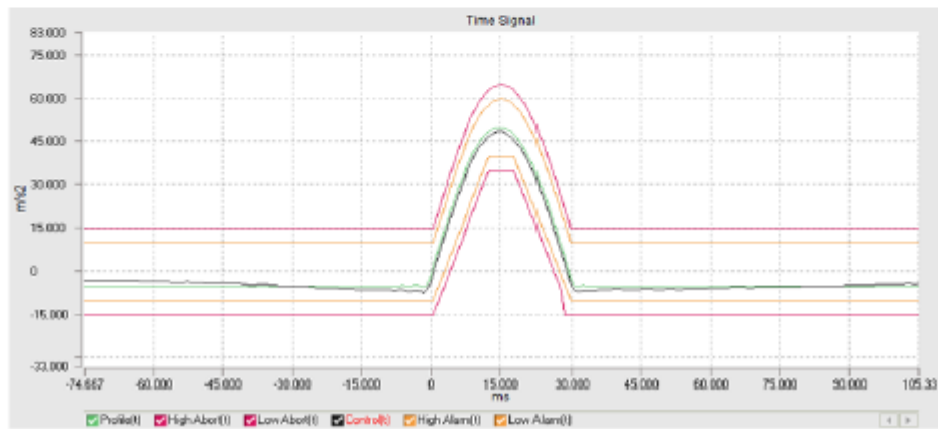
Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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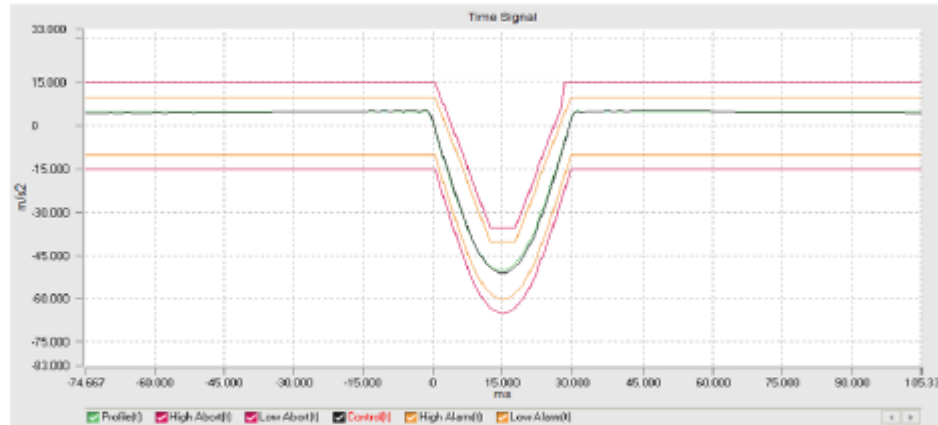
3.7 GRAPH OF TEST

【+X axis】



Shock Type: Half Sine Mag: 50.00 m/s² Pulse Duration: 30 ms
 Current level: 0 dB Demand peak: 50.000 m/s² Control peak: 48.552 m/s²
 Block Size: 2048 Frame Time: 1.3653 s dT: 0.000666667 s
 Current Pulses: 3 Output pulses: 12 Remain pulses: 6

【-X axis】




Shock Type: Half Sine Mag: 50.00 m/s² Pulse Duration: 30 ms
 Current level: 0 dB Demand peak: 50.000 m/s² Control peak: 50.958 m/s²
 Block Size: 2048 Frame Time: 1.3653 s dT: 0.000666667 s
 Current Pulses: 3 Output pulses: 18 Remain pulses: 0



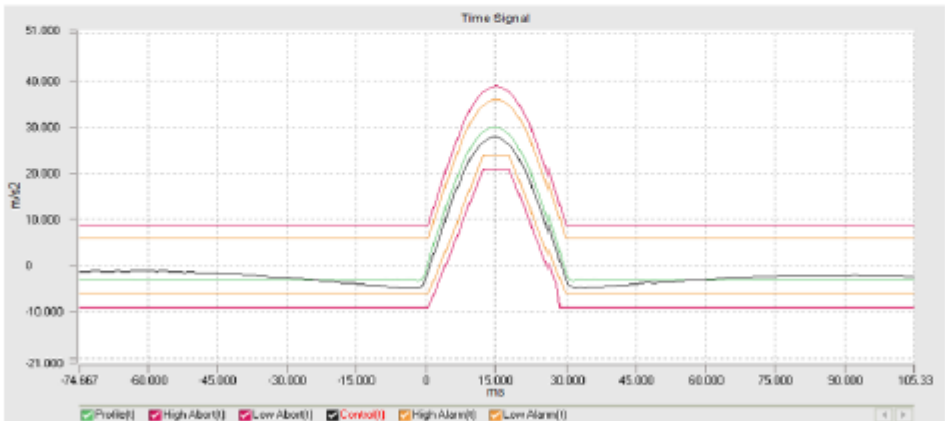
Environment Tests			
Clause	Requirement + Test	Result - Remark	Verdict

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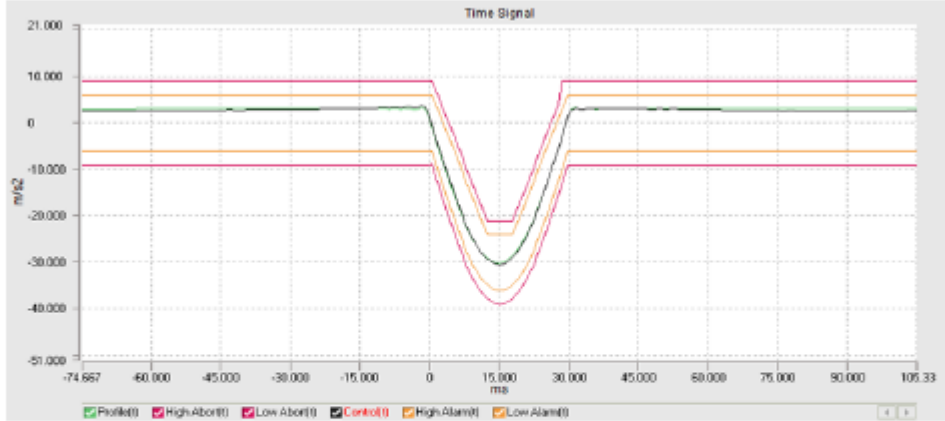
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[+Y axis]



Shock Type: Half Sine Mag: 30.00 m/s² Pulse Duration: 30 ms
 Current level: 0 dB Demand peak: 30.000 m/s² Control peak: 28.072 m/s²
 Block Size: 2048 Frame Time: 1.3653 s dT: 0.000666667 s
 Current Pulses: 3 Output pulses: 11 Remain pulses: 6

[-Y axis]



Shock Type: Half Sine Mag: 30.00 m/s² Pulse Duration: 30 ms
 Current level: 0 dB Demand peak: 30.000 m/s² Control peak: 30.368 m/s²
 Block Size: 2048 Frame Time: 1.3653 s dT: 0.000666667 s
 Current Pulses: 3 Output pulses: 17 Remain pulses: 0



Environment Tests

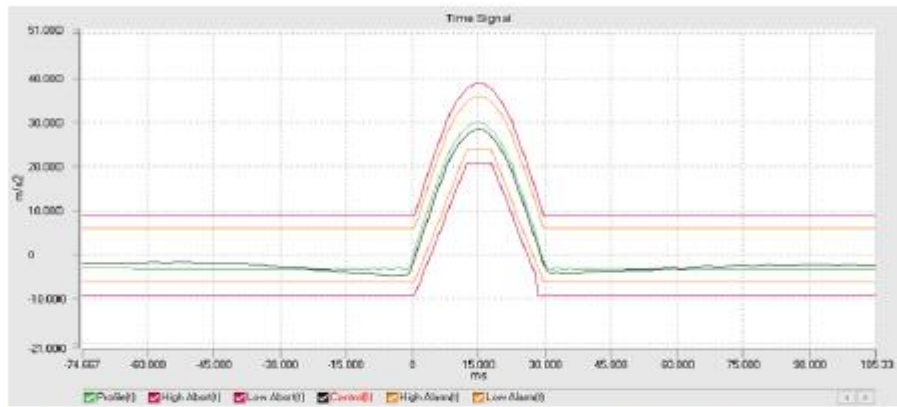
Clause	Requirement + Test	Result - Remark	Verdict
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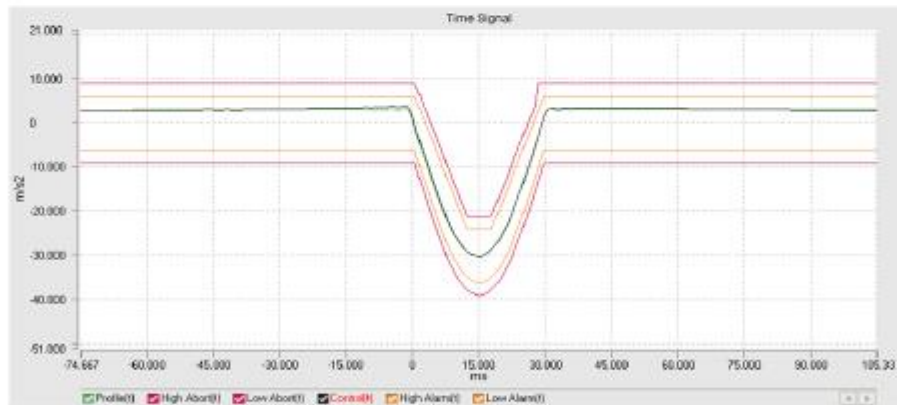
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【+Z axis】



Shock Type: Half Sine Mag: 30.00 m/s² Pulse Duration: 30 ms
 Current level: 0 dB Demand peak: 30.000 m/s² Control peak: 28.533 m/s²
 Block Size: 2048 Frame Time: 1.3653 s dT: 0.000886667 s
 Current Pulses: 3 Output pulses: 11 Remain pulses: 6

【-Z axis】



Shock Type: Half Sine Mag: 30.00 m/s² Pulse Duration: 30 ms
 Current level: 0 dB Demand peak: 30.000 m/s² Control peak: 30.170 m/s²
 Block Size: 2048 Frame Time: 1.3653 s dT: 0.000886667 s
 Current Pulses: 3 Output pulses: 17 Remain pulses: 0

--- End of report ---

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