JAPAN BUSINESS LOGISTICS PACKAGING TEST REPORT

TEST PURPOSE

: ISTA 6 FedEx- A

Evaluation test for the product & packaging

CLIENT

: Panasonic Corporation

SPECIMEN

: VIXELL: AE-V06GXR/AE-V06C5R

TEST LABORATORY

: Japan Business Logistics Co., Ltd.

TEST DATE

: Mar. 4, 2022

ISSUE DATE

: Mar. 31, 2022

OPERATOR

: Takehiko lwahori

Prepared by:

T. Lwahori

T. Iwahori

Packaging Solution

Japan Business Logistics Co., Ltd.

Approved by:

K. Omata

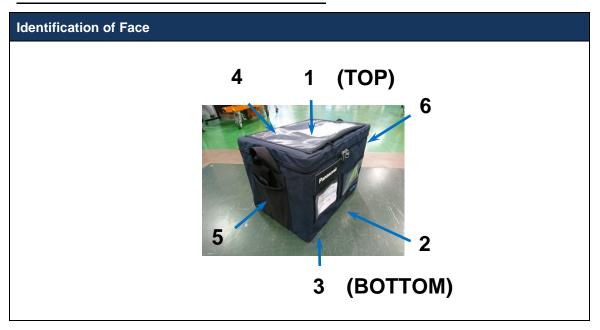
Manager of Packaging Solution

Japan Business Logistics Co., Ltd.

1.0 TEST DESCRIPTION

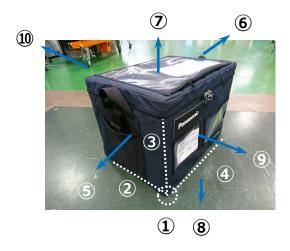
TEST PURPOSE	To assess the capability of the product & packaging to withstand types of vibration and shock levels encountered during the normal shipping cycle in accordance with ISTA 6 FedEx- A				
	VIXELL : AE-V06GXR	AE-V06GXR/AE-V06C5R			
	Package Type: Plastic	Case	TEST SPECIMEN		
TEST SPECIMENS	Packaged Size: 480 x 350 x 355(H) mm				
	Packaged-Weight: 12.6 kg				
	Number of Test Specimen: 1 pc				
	TEST STANDARD: ISTA 6 FedEx-A				
	1、Shock (Drop)				
TEST	2、 Compression				
SEQUENCE	3、Vibration				
	4、Shock (Drop)				
	Criteria	Product is damage-free			
Acceptance	Method used to	Pass/fail result will be determined by visual			
Criteria	determine Pass/Fail	inspection and schedule is cond	function test after the all test ucted.		
	Decision Person	Panasonic Corporaion			

2.0 TEST DESCRIPTION

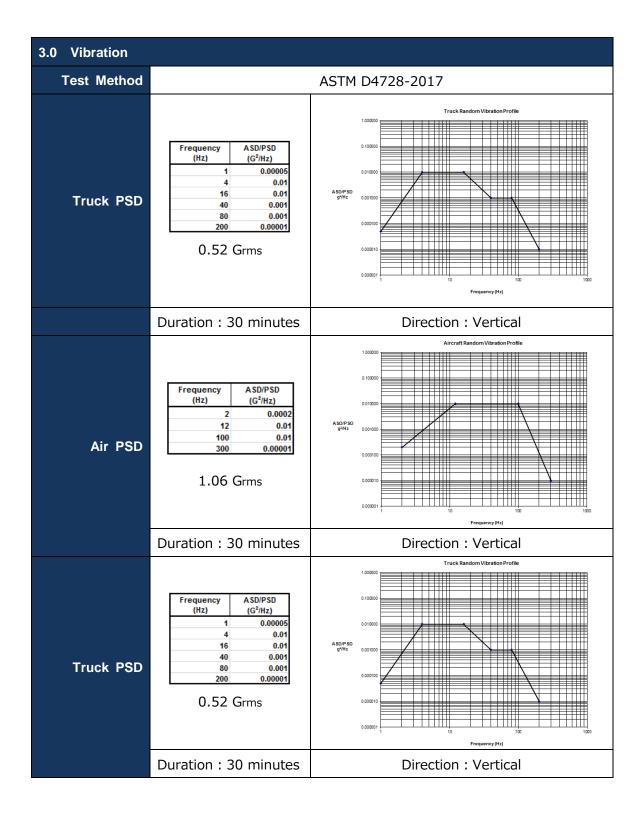


1.0 Shock (Drop)					
Number of drops		10 times				
	Drop No,	Drop Height (mm) Orientation				
	No.1	762	Most fragile corner	Corner 2-3-5		
	No.2	762	Shortest edge radiating from the drop corner	Edge 3-5		
	No.3	762	Medium edge radiating from the drop corner	Edge 2-5		
Conditions	No.4	762	Longest edge radiating from the drop corner	Edge 2-3		
	No.5	762	Flat one of the smallest faces	Face 5		
	No.6	762	762 Flat one of the opposite small face			
	No.7	762	Flat one of the medium faces	Face 1		
	No.8	762	Flat one of the opposite medium face	Face 3		
	No.9	762	Flat one of the largest faces	Face 2		
	No.10 762		Flat one of the opposite large face	Face 4		
Test Date	Mar. 4, 2022					
Equipment	Free Fall Drop Tester (Lansmont Model: PDT-56ED)					
Calibration date	Nov 24, 2021 (Calibration due: Nov 24, 2022)					

1 ~ 10 : Drop Number



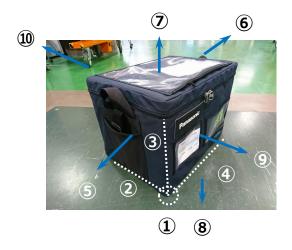
2.0 Compression					
Number of	1 time				
Compression	1 ume				
Direction	Vertical				
Speed	12.7 mm / min (0.5 in / min)				
	Compression Load (pounds) = $0.007 \times (108 - H) \times L \times W \times F$				
	H: Height of shipping unit (inches)				
	L: Length of shipping unit (inches) W: Width of shipping unit (inches)				
Compression					
Load	F: factor = "3"				
	$= 0.007 \times (108-14) \times 18.9 \times 13.8 \times 3$				
	= 514 pounds				
	= 233 kgf				
Test Date	Mar. 4, 2022				
Equipment	Orientec CTM-1-5000				
Calibration date	Oct. 25, 2021 (Calibration due: Oct. 25, 2022)				



Duration	International Shipments_Regular		
	90 minutes (Truck_30 min. \rightarrow Air_30 min. \rightarrow Truck_30min.)		
Test Date	Mar. 4, 2022		
Equipment	Vibration Tester (Shinken Co.,Ltd. Model: G-9250L)		
Calibration date	Jul. 28, 2021 (Calibration due: Jul. 28, 2022)		

4.0 Shock (Drop)					
Number of drops		10 times				
	Drop No,	Drop Height (mm)	Height (mm) Orientation			
	No.1	762	Most fragile corner	Corner 2-3-5		
	No.2	762	Shortest edge radiating from the drop corner	Edge 3-5		
	No.3	762	Medium edge radiating from the drop corner	Edge 2-5		
Conditions	No.4	762	Longest edge radiating from the drop corner	Edge 2-3		
	No.5	762	Flat one of the smallest faces	Face 5		
	No.6	762	Flat one of the opposite small face	Face 6		
	No.7	762	Flat one of the medium faces	Face 1		
	No.8	762	Flat one of the opposite medium face	Face 3		
	No.9	762	Flat one of the largest faces	Face 2		
	No.10 762		Flat one of the opposite large face	Face 4		
Test Date	Mar. 4, 2022					
Equipment	Free Fall Drop Tester (Lansmont Model: PDT-56ED)					
Calibration date	Nov 24, 2021 (Calibration due: Nov 24, 2022)					

2 ~ 10: Drop Number

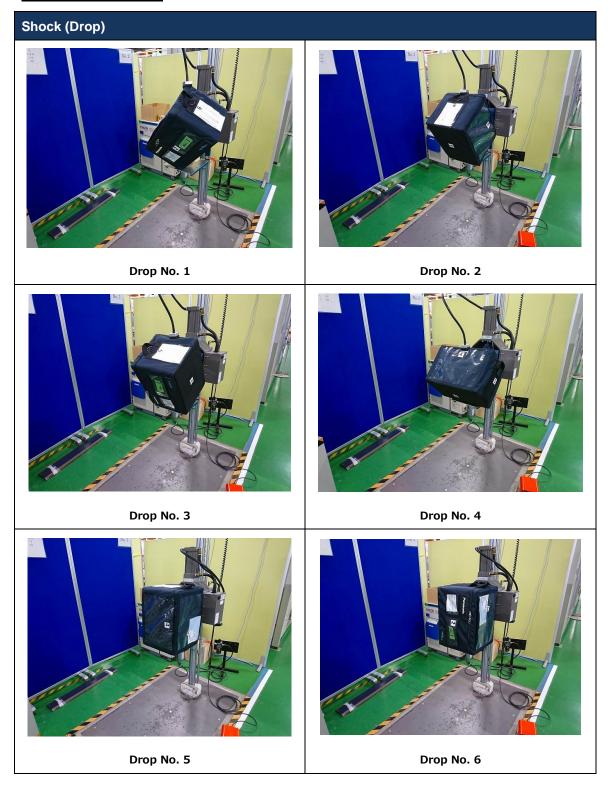


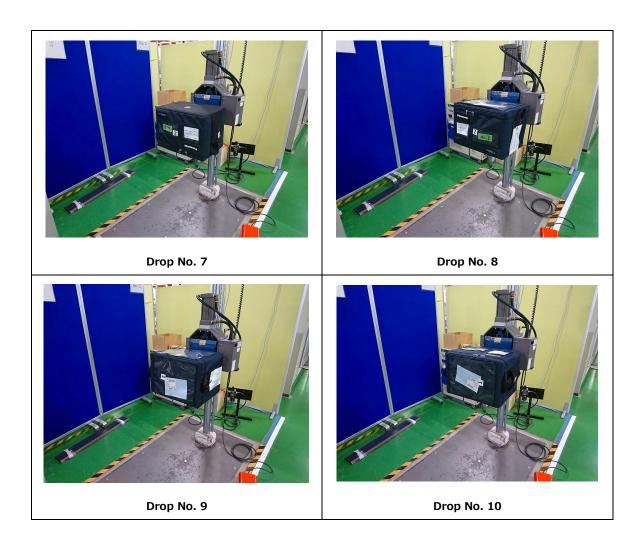
3.0 TEST RESULT

	Visual inspection was conducted after all test schedules			
PACKAGE Condition after testing	were completed.			
	No physical damage was found on the plastic case.			
PRODUCT Condition after testing	Final inspection will be conducted by Panasonic Corporation.			
Tool would	After the final inspection by Panasonic Corporation, the			
Test result	result was a pass.			



4.0 PHOTO









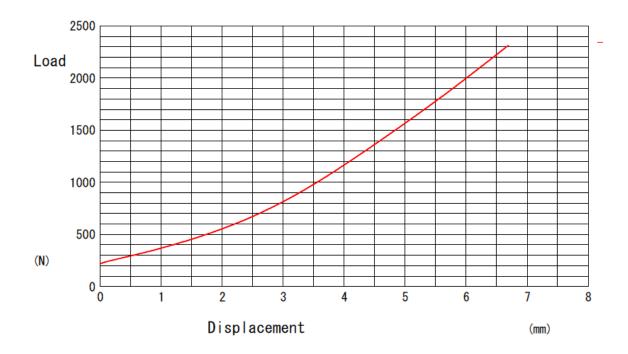


5.0 TEST DATA

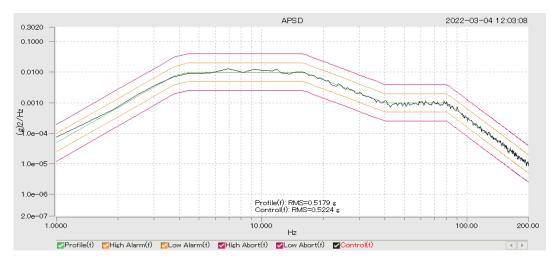
Compression

Name	AE-V06GXR/AE-V06C5R			Lot	Apply & Release
Date	2022年03月04日 10:26	File No.	S28-043	Tester	S.Kojima

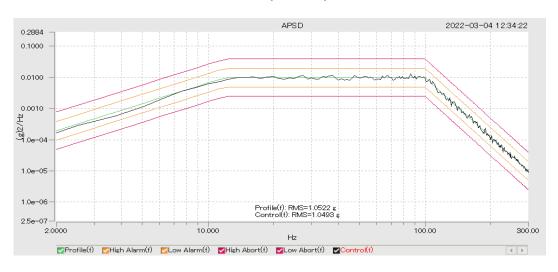
	Max	Max	Max	
	Load Load Disp		Displace	ment
No.	(kgf)	(N)	(mm)	
1	235. 85	2312. 9	6. 6900	



Vibration
Truck Random (30 min)



Air Random (30 min)



Truck Random (30 min)

