

TEST REPORT

Client:

Panasonic Corporation

Purpose:

ISTA 7D

Evaluation test for the product & packaging

Laboratory:

Japan Business Logistics Co., Ltd.

Issue data:

April 1, 2022

Operator:

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TEST LABORATORY

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	The first edition
Revision history	

1. TEST DESCRIPTION

1. TEST DESCR	RETION			
Test Purpose	To evaluate the effects of external temperature exposure for the thermal package.			
	Specimen: VIXELL: AE-V12UXR/AE-V12S4R			
	Package Type: thermal package			
	Packaged Size: 545 x 495 x 450(H) mm			
	Packaged Weight: 23 kg			
	Q'ty: 1 pc			
	Other:			
Test Spacimen	PRINCIPAL			
	Test Standards ISTA 7D -2007 Summer			
Test Sequence	1. Preconditioning (Temperature) for Internal unit 2. Temperature Cycle test 24 hour domestic small package express freight transport (Air) SUMMER PROFILE (Hot Shipping & Hot Receiving) x 6 times			



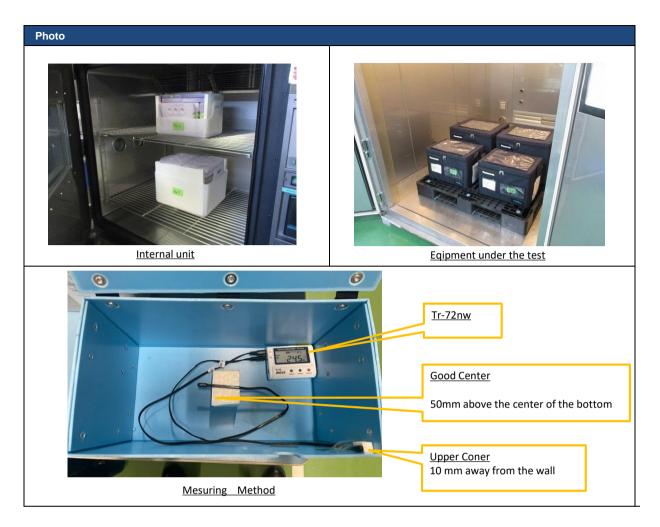


2. TEST DETAILS

1. Preconditioning						
Temperature	STEP	Temperature (°C)	Period (hh: mm)	Control		
	1	-25	24:00 more than	for Internal unit		

2. Temperature Cycle test					
Test method	ISTA 7D				
	STEP	Temperature (°C)	Period (hh: mm)	Control	
	1	22	4:00		
	2	35	2:00		
	3	30	12:00		
	4	35	6:00		
Temperature					
Cycle conditions					
Number of cycles	6 Cycle(s)				
Configuration	Repeat STEP 1 to STEP 4 for 24 hours.				
Total period	144 hours or more				
Date	March 16, 2022 ~ March 22, 2022				
	Equipment: Kusumoto Chemicals Chamber				
Equipment	Model: COLONIA_CH321PA Serial No. 142003001 Calibration date: June 8, 2021				





3. TEST RESULT

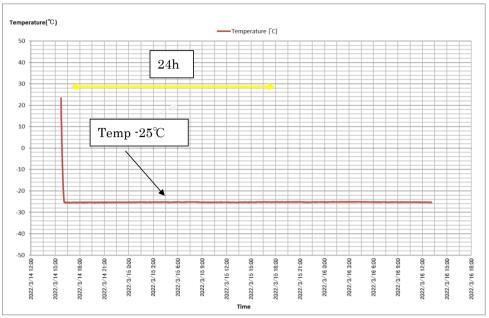
Test result	
Package condition after testing	Visual inspection was conducted after all test schedules were completed. No physical damage was found on the product.
Product condition after testing	Final inspection will be conducted by Panasonic Corporation
Conclusion	Pass/Fail result will be determined after final inspection to be conducted by Panasonic Corporation





4. TEST DATA

Preconditioning: Internal unit



SUMMER PROFILE Hot Shipping & Hot Receiving

