1.0 Reference and Address			
Report Number	211000893SHA-001	Original Issued: 27-Oct-2021	Revised: None
Standard(s)	ENERGY STAR® Program Requirements for Displays Version 8.0		

Applicant	MMD Monitors & Displays Nederland B.V.	Manufacturer 1	TPV Electronics(Fujian) Co., Ltd
Address	Prins Bernhardplein 200,1097 JB Amsterdam - The Netherlands	Address	Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province
Country	Nederland	Country	China
Contact	Lissa Wang	Contact	Winter Feng
Phone	+86-021-80217644	Phone	+86-0591-85285555-6505
FAX	+86-021-80217400	FAX	+86-0591-85285447
Email	lissa.wang@mmd-p.com	Email	winter.feng@tpv-tech.com

2.0 Product Description					
Product	Display (LCD Monitor)				
Brand Name	Philips				
Description	The product covered by this report is a Display (LCD Monitor)				
Models	243S1				
Model Similarity	NA				
Ratings	100-240Vac, 50-60Hz, 1.5A				
Other Ratings	NA				
Date Available	10/25/2021	Market Availability	Yes	OEM	TPV Electronics(Fujian) Co. Ltd
Major Markets	Canada,Japan,Taiwan,United States				
Trans Type	Initial Certification: Model Meets ENERGY STAR Requirements				
Notes	NA				
UPC	609585254886				
Reason no UPC					
Other reason no UPC					
Additional Model Details (Optional)	Model Name and Number	Identifying Information			
Original Certificate Actual Issued Date for Model Tested (Only Applies to Revised Reports)					NA

3.0 Product Photographs

Photo 1 - External View(front)

Photo 2 - External View(back)

3.0 Product Photographs

Photo 3 - Main Board

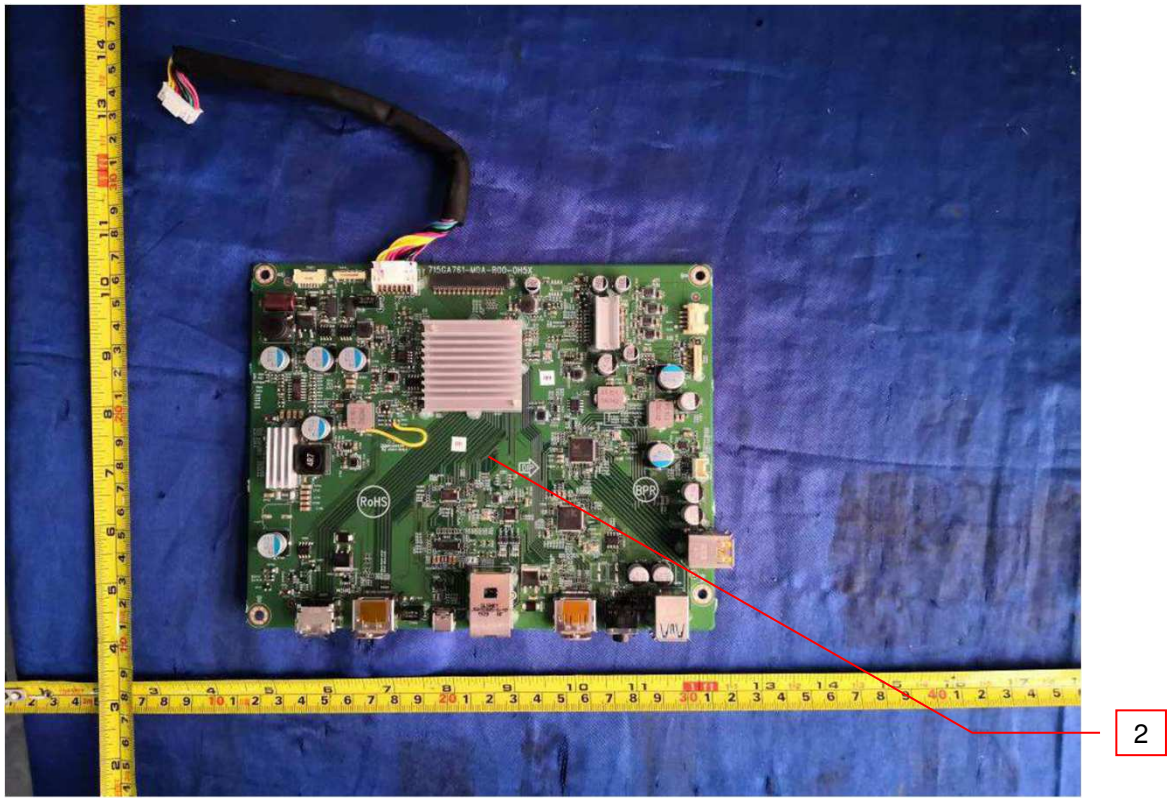
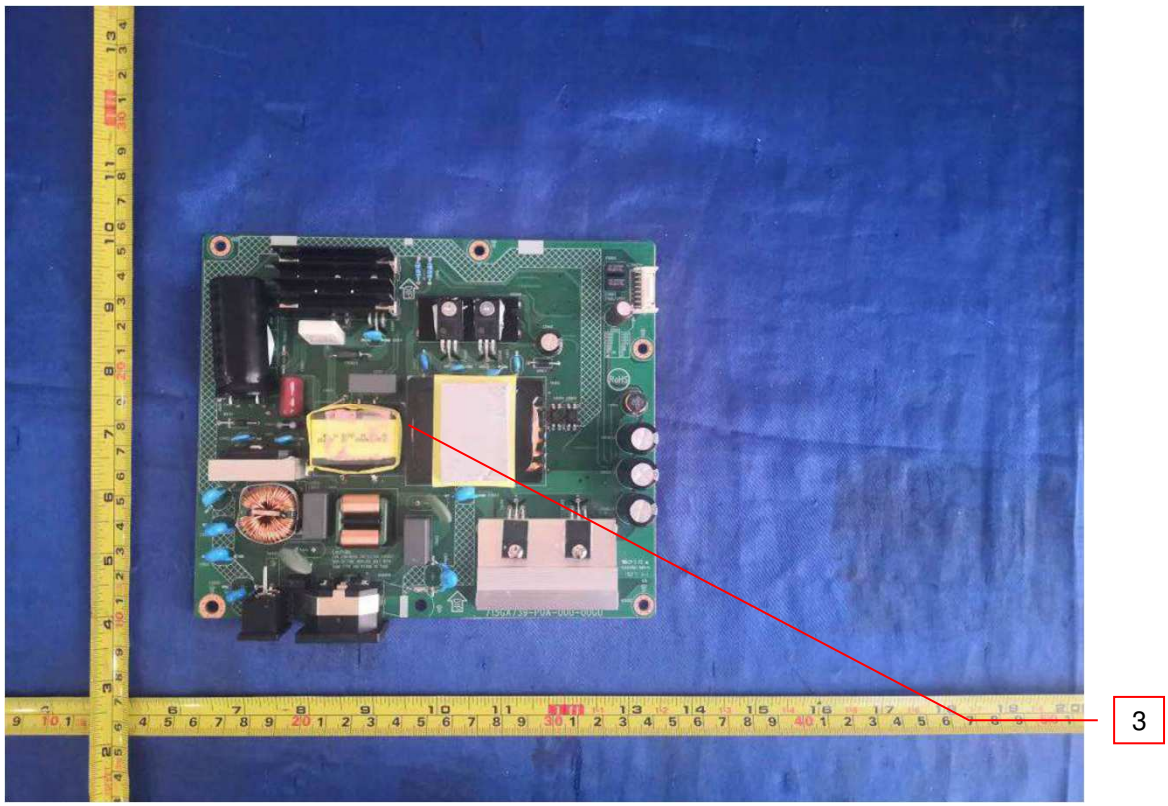


Photo 4 - Power Board



4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
1	1	LCD panel	TPV	TPM238***** (* can be A-Z, a-z, 0-9 or blank)	23.8 inches, LED backlighting. TPM238WF1 is tested model.	NR
3	2	Main Board	TPV	715GA761	I/P: 19Vdc, 7A	NR
4	3	Power Board	TPV	715GA739	I/P: 90-264Vac, 47-63Hz, 2.5A; O/P: 19.5Vdc, 7A	NR

NOTES:

1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.

2) “Various“ means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates: a) Unlisted and only visual examination is necessary or b) marks are not required to be verified.

5.0 Critical Unlisted CEC Components

Periodic Evaluation of Critical Unlisted Components by the Intertek Component Evaluation Centers (CEC) is not required under the INTERTEK ENERGY STAR Program.

6.0 Critical Features
Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the ENERGY STAR® Program Requirements. Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings. Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability. Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.
Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.
1. Product Safety Compliance - NA
2. EMI Compliance - NA
3. Schematics - NA
4. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No.1-2 for details.
5. Package Markings - NA
6. Warranty Information - NA
7. Marking Label - Refer to Illustration No.3.for details.

7.0 Illustrations

Illustration 1 - Installation and Safety instruction

1. Important

This electronic user's guide is intended for anyone who uses the Philips monitor. Take time to read this user manual before you use your monitor. It contains important information and notes regarding operating your monitor.

The Philips guarantee applies provided the product is handled properly for its intended use, in accordance with its operating instructions and upon presentation of the original invoice or cash receipt, indicating the date of purchase, dealer's name and model and production number of the product.

1.1 Safety precautions and maintenance

⚠ Warnings

Use of controls, adjustments or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards and/or mechanical hazards.

Read and follow these instructions when connecting and using your computer monitor.

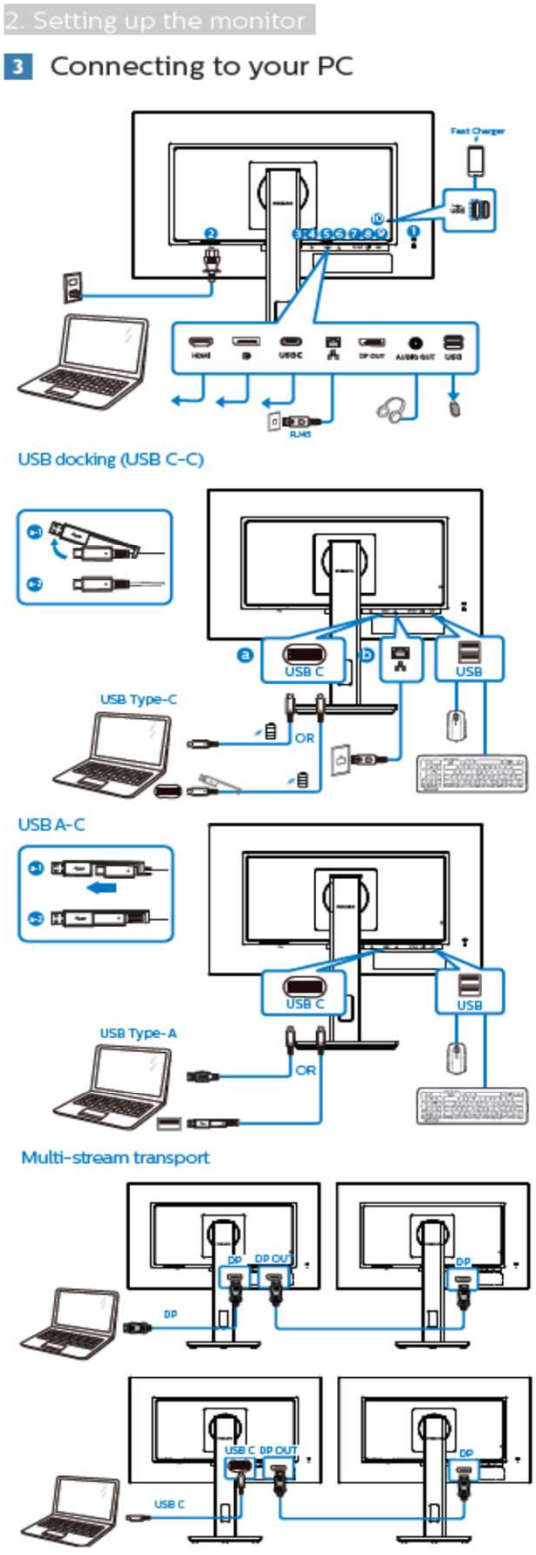
Excessive sound pressure from earphones and headphones can cause hearing loss. Adjustment of the equalizer to maximum increases the earphones and headphones output voltage and therefore the sound pressure level.

Operation

- Please Keep the monitor out of direct sunlight, very strong bright lights and away from any other heat source. Lengthy exposure to this type of environment may result in discoloration and damage to the monitor.
- Keep the display away from oil. Oil may damage the plastic cover of the display and void the warranty.
- Remove any object that could fall into ventilation holes or prevent proper cooling of the monitor's electronics.
- Do not block the ventilation holes on the cabinet.
- When positioning the monitor, make sure the power plug and outlet are easily accessible.
- If turning off the monitor by detaching the power cable or DC power cord, wait for 6 seconds before attaching the power cable or DC power cord for normal operation.
- Please use approved power cord provided by Philips all the time. If your power cord is missing, please contact with your local service center. (Please refer to Service contact information listed in Regulation & Service Information Manual.)
- Operate under the specified power supply. Be sure to operate the monitor only with the specified power supply. Use of an incorrect voltage will cause malfunction and may cause fire or electric shock.
- Protect the cable. Do not pull or bend the power cable and signal cable. Do not place the monitor or any other heavy objects on the cables, if damaged, the cables may cause fire or electric shock.
- Do not subject the monitor to severe vibration or high impact conditions during operation.
- To avoid potential damage, for example the panel peeling from the bezel, ensure that the monitor does not tilt downward by more than -5

7.0 Illustrations

Illustration 2 - Installation and Safety instruction (Continued)



1. Kensington anti-theft lock
2. AC power input
3. HDMI input
4. Displayport input
5. USB C
6. RJ-45 input
7. Displayport output
8. Audio output
9. USB downstream
10. USB downstream/USB fast charger

Connect to PC

1. Connect the power cord to the back of the monitor firmly.
2. Turn off your computer and unplug its power cable.
3. Connect the monitor signal cable to the video connector on the back of your computer.
4. Plug the power cord of your computer and your monitor into a nearby outlet.
5. Turn on your computer and monitor. If the monitor displays an image, installation is complete.

4 USB C driver installation for RJ45

Before using the USB C docking display, please ensure to install the USB C driver.

You can find the "LAN Drivers" from CD disk if bundled or go to Philips website support page to download the driver.

Please follow the steps for the installation:

1. Install the LAN driver that matches your system.
2. Double click driver to install, and follow Window's instructions to proceed with installation.

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7.0 Illustrations

Illustration 3 - Marking Label

8.0 Test Summary					
Evaluation Period	10/27/2021-10/27/2021			Project No.	211000893SHA
Sample Rec. Date	20-Oct-2021	Condition	Prototype	Sample ID.	0211020-34-003
Test Location	Intertek Testing Services Shanghai Limited (1105997) Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China				
Test Procedure	Testing Lab			Test type	Qualification
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following requirements were evaluated:					

Required Submittal Information	Submittal Data
Model Name and/or Number tested	243S1
Date tested	10/27/2021
Serial number of Unit tested	1 sample
ENERGY_STAR_Specification_Version*	8.0
Product_Type*	Monitor
Tiled_Display_System	
Maximum_Tiled_Configuration	
Panel_Type*	IPS LCD
Other_Panel_Type	
Diagonal_Screen_Size_in*	23.8
Screen_Area_sq_in*	242.18
Display_Contrast_Ratio*	1000
Native_Vertical_Resolution_lines*	1080
Native_Horizontal_Resolution_lines*	1920
Total_Native_Resolution_megapixels*	2.1
Native_Pixel_Density_Dp_pixels_sq_in*	8562
As_Tested_Screen_Refresh_Rate_Hz*	60
Maximum_Screen_Refresh_Rate_Hz*	75
Enhanced_Performance_Criteria*	No
Color_Gamut	
Reported_Contrast_Ratio_at_85_deg_Left_Horiz_Viewing_Angle	
Reported_Contrast_Ratio_at_85_deg_Right_Horiz_Viewing_Angle	
High_Dynamic_Range_HDR*	N/A
Other_Available_Interfaces	
Other_Features	
Signal_Interface*	DisplayPort 1.2
Other_Interface	
USB_C_with_Power_Delivery_Supported*	Yes
Maximum_Power_Delivery_W	65
Other_Power_Source	
Does_Model_Have_a_Forced_Menu_at_Initial_Start_up*	No
Maximum_Measured_Luminance_cd_m_2*	220
Maximum_Reported_Luminance_cd_m_2*	250
As_shipped_Luminance_cd_m_2	184
As_tested_Luminance_cd_m_2*	200
On_Mode_Power_at_12_Lux_at_115_Volts_W	
On_Mode_Power_at_300_Lux_at_115_Volts_W	
Measured_On_Mode_Power_at_115_Volts_W	13.93
Reported_On_Mode_Power_at_115_Volts_W	13.93
Maximum_On_Mode_Power_Limit_for_Signage_Certification_W	
Measured_Sleep_Mode_Power_at_115_Volts_W	0.23
Reported_Sleep_Mode_Power_at_115_Volts_W	0.23
Measured_Disconnected_Sleep_Mode_Power_at_115_Volts_W	0.23
Maximum_Sleep_Mode_Power_Limit_for_Signage_Certification_W	
Number_of_Sleep_Modes_in_Addition_to_Default_Sleep_Mode*	0
Other_Mechanism_for_Automatically_Entering_Sleep_or_Off_Mode	

8.0 Test Summary	
Default_Delay_Time_to_Sleep_min	
Measured_Off_Mode_Power_at_115_Volts_W	0.22
Reported_Off_Mode_Power_at_115_Volts_W	0.22
Measured_Total_Energy_Consumption_at_115_Volts_kWh	44.02
Reported_Total_Energy_Consumption_at_115_Volts_kWh	44.02
Max_Total_Energy_Consumption_Limit_for_Monitor_kWh	48.48
On_Mode_Power_at_12_Lux_at_230_Volts_W	
On_Mode_Power_at_300_Lux_at_230_Volts_W	
Measured_On_Mode_Power_at_230_Volts_W	12.92
Measured_Sleep_Mode_Power_at_230_Volts_W	0.24
Measured_Disconnected_Sleep_Mode_Power_at_230_Volts_W	0.24
Measured_Off_Mode_Power_at_230_Volts_W	0.23
Measured_Total_Energy_Consumption_at_230_Volts_kWh	40.99
True_Power_Factor_PF_During_On_Mode_Testing_at_115_Volts_W	0.83
True_Power_Factor_PF_During_On_Mode_Testing_at_230_Volts_W	0.42
Color_Spaces_Supported*	sRGB
Available_Signal_or_Data_Interfaces*	Display,HDMI,RJ45,USB
Model_Features*	Built-In Speakers,USB-C
Features_Enabled_in_Default_On_Mode*	Built-In Speakers
Features_Enabled_in_Default_Sleep_Mode*	None
Wireless_Technologies_Supported*	None
Ethernet_Supported*	Gigabit Ethernet (1000 Mbit/s)
Power_Source*	Ac to dc internal power supply
Mechanism_for_Automatically_Entering_Sleep_or_Off_Mode*	Display Power Management Signaling
On_Mode_Power_at_12_Lux_at_100_Volts_50Hz_W	
On_Mode_Power_at_300_Lux_at_100_Volts_50Hz_W	
Measured_On_Mode_Power_at_100_Volts_50Hz_W	13.84
Measured_Sleep_Mode_Power_at_100_Volts_50Hz_W	0.22
Measured_Disconnected_Sleep_Mode_Power_at_100_Volts_50Hz_W	0.22
Measured_Off_Mode_Power_at_100_Volts_50Hz_W	0.22
Measured_Total_Energy_Consumption_at_100_Volts_50Hz_kWh	43.7
On_Mode_Power_at_12_Lux_at_100_Volts_60Hz_W	
On_Mode_Power_at_300_Lux_at_100_Volts_60Hz_W	
Measured_On_Mode_Power_at_100_Volts_60Hz_W	13.78
Measured_Sleep_Mode_Power_at_100_Volts_60Hz_W	0.22
Measured_Disconnected_Sleep_Mode_Power_at_100_Volts_60Hz_W	0.22
Measured_Off_Mode_Power_at_100_Volts_60Hz_W	0.22
Measured_Total_Energy_Consumption_at_100_Volts_60Hz_kWh	43.5

8.1 Signatures

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.

Completed by:	Sam Li	Reviewed by:	Carl Dong
Title:	Engineer	Title:	Engineer
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings			
The following products, which are identical to those identified in this report except for model number and Company name.			
BASIC LISTEE	MMD Monitors & Displays Nederland B.V.		
Address	Prins Bernhardplein 200,1097 JB Amsterdam - The Netherlands		
Country	Nederland	EPA ID	1088182
Product	Display (LCD Monitor)		
Contact	Lissa Wang		
Phone	+86-021-80217644		
FAX	+86-021-80217400		
Email	lissa.wang@mmd-p.com		

MULTIPLE LISTEE 1	None			
Address				
Country		EPA ID		
Contact				
Phone				
FAX				
Email				
Brand Name				
Date Available		Market Availability		OEM
Major Markets				
Trans Type				
Notes				
UPC				
Reason no UPC				
Other reason no UPC				

ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS		BASIC LISTEE MODELS
Additional Model Details (Optional)	Model Name and Number	Identifying Information

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 2	None			
Address				
Country		EPA ID		
Contact				
Phone				
FAX				
Email				
Brand Name				
Date Available		Market Availability		OEM
Major Markets				
Trans Type				
Notes				
UPC				
Reason no UPC				
Other reason no UPC				
ASSOCIATED MANUFACTURER				
Address				
Country				

MULTIPLE LISTEE 2 MODELS		BASIC LISTEE MODELS
Additional Model Details (Optional)	Model Name and Number	Identifying Information

10.0 General Information

The Applicant has agreed to produce products in accordance with the requirements of this report and to maintain compliance with all ENERGY STAR Product Specification requirements.

Changes to Product Design / Alternate Components

As part of this agreement, the Applicant also has agreed to notify Intertek and to request authorization prior to making any changes to the product (including but not limited to using alternate parts, components or materials) which may effect compliance with the ENERGY STAR Product Specification. Those parts, components or materials identified as critical have been listed in Section 4.0 of this report.

Product Surveillance

Under this Program, market surveillance is conducted on an annual basis. For each Product Type defined in the EPA ENERGY STAR Program, Intertek will select 10% of those certified products for Verification Testing in accordance with the requirements of the EPA ENERGY STAR Product Specification.

The primary source for products under Verification Testing will be the retail market. Applicants whose products are selected for Verification Testing are required to provide a list of locations where the product might be obtained. The Applicant is responsible for the cost of procurement and the Verification Tests. Should products not be readily available on the retail market, the Applicant is required to provide access to distribution warehouses to allow selection of those products. Should the product not be available on the retail market or if procurement from the retail market is not feasible, then alternate arrangements for Verification Testing will be made by the Intertek Certification Body.

As a general rule under the Verification Testing requirements, the products must achieve energy values within 5% of the required Tier Limit.

Compliance with ENERGY STAR Product Specifications under Verification Testing

Products found non-compliant with ENERGY STAR Product Specification under Verification Testing, will be reported to the EPA within 48 hours and the product removed from the ENERGY STAR Program. If it is determined during Verification Testing that changes have been made to product design or critical components, the Certification Body may increase Verification Testing frequency of those products.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

Note to Intertek Follow Up Inspector: The Component Evaluation Center, CEC, will notify you in writing when these components must be selected and sent to the CEC for re-evaluation

Ship the samples to:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Angela Han
Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

Manufacturing and Production tests are not required under the INTERTEK ENERGY STAR Program. However, Intertek encourages the use of such ongoing product testing to ensure compliance with the EPA ENERGY STAR Product Specifications.

12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
				None