

1.0 Reference and Address			
Report Number	131001377SHA-001	Original Issued: 11-Nov-2013	Revised: None
Standard(s)	ENERGY STAR® Program Requirements for Displays Version 6.0		
Applicant	Top Victory Electronics (Taiwan) Co.,Ltd.	Manufacturer	TPV Electronics(Fujian) Co., Ltd
Address	10F.,No.230,Liancheng Rd. Zhonghe City. Taipei Country 23553	Address	Shangzheng Yuanhong Road, Fuqing City,Fujian
Country	Taiwan	Country	China
Contact	David.Cheng	Contact	Lissa Wang
Phone	+886-2-82261668-2375	Phone	+86-591-85285555
FAX	+886-2-82261668-2375	FAX	+86-591-852855447
Email	David.cheng@tpv-tech.com	Email	lissa.wang@tpv-tech.com
Manufacturer 2	TPV Display Technology (Beihai) Co.,Ltd	Manufacturer 3	TPV Technology(Beijing)Co.,Ltd.
Address	China Electronic Beihai Industry Park,Northeast of the Crossing between Taiwan Road and Jilin Road Beihai City,Guangxi,P.R.China	Address	No.10 Jiuxianqiao Rd. Chao Yang District Beijing China
Country	China	Country	China
Contact	Yin Tao	Contact	sally.lin
Phone	18277949678	Phone	010-64326699-8312
FAX	86-779-2232270	FAX	86-10-64371452
Email	yin.tao@tpv-tech.com	Email	sally.lin@tpv-tech.com
Manufacturer 4	L&T Display Technology (Fujian) Ltd	Manufacturer 5	TPV Display Technology (Wuhan) Co.,Ltd
Address	Optoelectronic Park, Rongqiao Economic and Technological Development Zone,Fuqing City,Fujian Province, PRC	Address	Unique No.11 Zhuankou Development District of Economic Technological Development Zone Wuhan City,P.R.China
Country	China	Country	China
Contact	NanXing Cheng	Contact	Zhe Zhou
Phone	86-591-86515588	Phone	027-68843887-3884
FAX	86-591-86515555	FAX	027-68849906
Email	nanxing.cheng@Intdisplayfj.com	Email	zhe.zhou @tpv-tech.com

2.0 Product Description			
Product	Display(LCD Monitor)		
Brand name	AOC		
Description	The product covered by this report is LCD Display with LED backlight		
Models	E719SDA(TFT1780PSA+);E719SD(TFT1780PSA+);E719S(TFT1780PSA+)		
Model Similarity	Model name: E719SDA,E719SD,E719S Model number:TFT1780PSA+ E719SDA with VGA+DVI+audio port E719SD with VGA+DVI E719S with VGA		
Ratings	AC100-240V;50/60Hz;1.5A		
Other Ratings	NA		
Date available	08/30/2013	Market availability	Yes
		Last Mfg date	NA
Major Markets	Australia,New Zealand,Canada,Europe,Japan,Switzerland,Taiwan,United States		
Trans Type	Initial Certification: Model Meets ENERGY STAR Requirements		
Notes	NA		
Additional model details (optional)	Model Name or 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

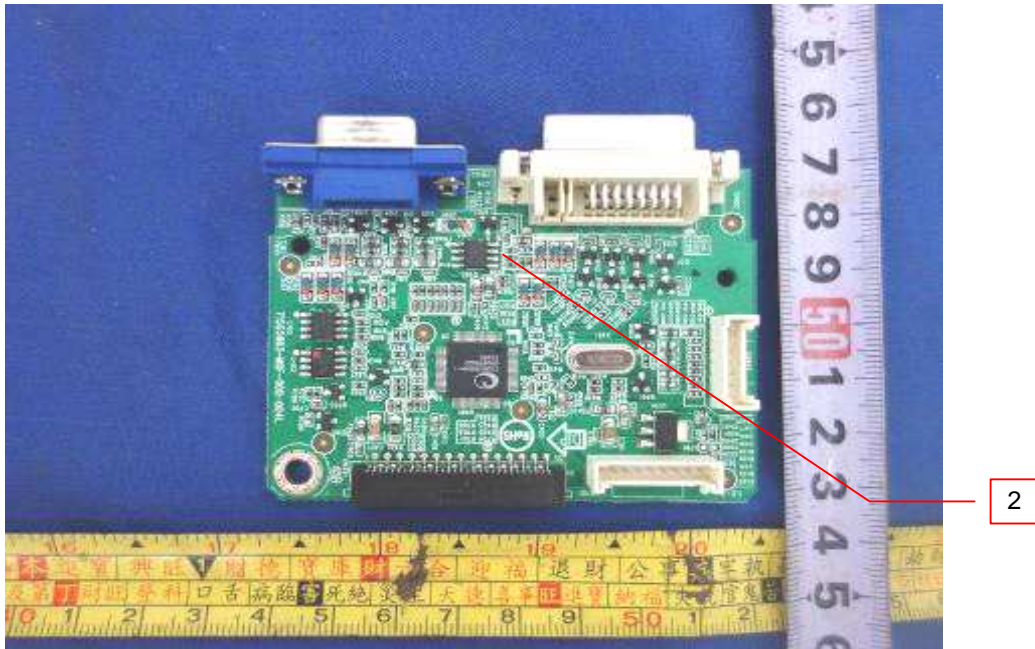
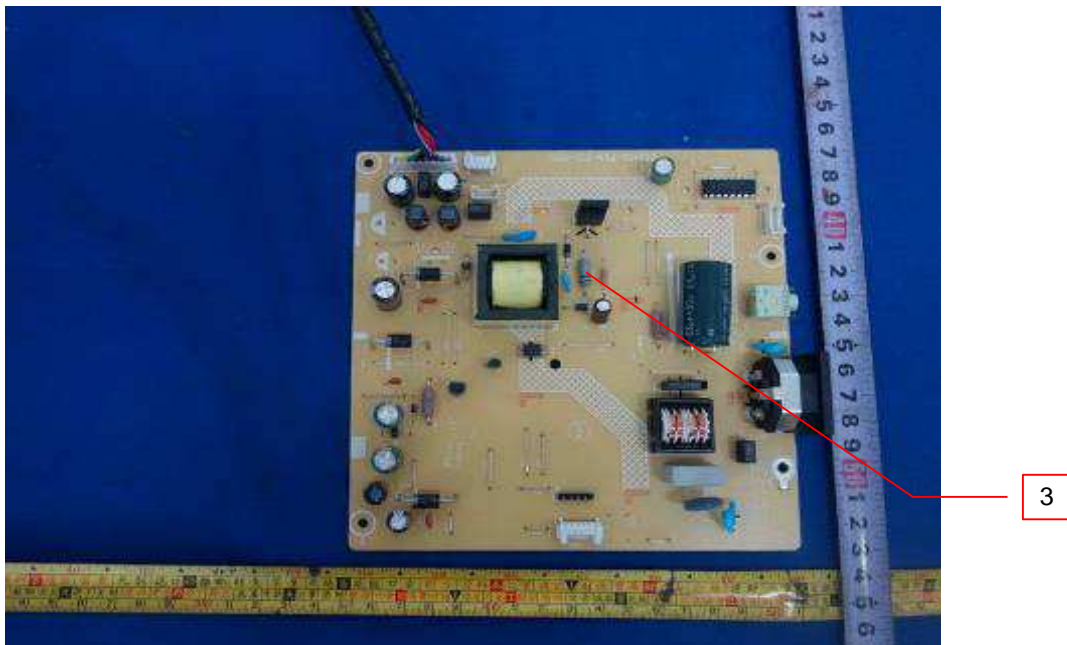


Photo 4 - Power Board



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	AUO	M170ETN01	17inch,TN type,with LED backlight	NR
3	2	Main Board	TPV	715G5270	I/P:DC5V/3A	NR
4	3	Power Board	TPV	715G4497	I/P:AC100-240V,50/60Hz,1.5A; O/P:DC5V/3A,15V/2.5A	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 for details.
5. Package Markings - NA
6. Warranty Information - NA

7.0 Illustrations

Illustration 1 - Installation and Safety instruction

Safety

National Conventions

The following subsections describe notational conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:



NOTE: A NOTE indicates important information that helps you make better use of your computer system.




CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.





WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem. Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.


7.0 Illustrations


Power


 The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.

 The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.

 Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.

 Do not overload power strips and extension cords. Overloading can result in fire or electric shock.

 To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 - 240V ~, Min. 5A

 The wall socket shall be installed near the equipment and shall be easily accessible.

7.0 Illustrations

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:



E719SDA



E719SD

1. Power
2. Audio
3. DVI
4. D-SUB

Turn off your computer before performing the procedure below.

1. Connect the power cable to the AC port on the back of the monitor.
2. Connect one end of the 15-pin D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
3. (Optional – Requires a video card with DVI port) - Connect one end of the 24-pin DVI cable to the back of the monitor and connect the other end to the computer's DVI port.
4. Connect the audio cable to audio in port on the back of the monitor
5. Turn on your monitor and computer.

If your monitor displays an image, installation is complete. If it does not display an image, please refer Troubleshooting.

7.0 Illustrations


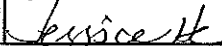
Illustration 2 - Marking Label



8.0 Test Summary			
Evaluation Period	11/7/2013-11/7/2013		Project No. 131001377SHA
Sample Rec. Date	30-Oct-2013	Condition Prototype	Sample ID. 0131030-05-001
Test Location	Intertek Testing Services Shanghai Limited EPA ID(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			E719SDA(TFT1780PSA+)
Date tested			11/07/2013
Serial number of Unit tested			EPAMNT(FJ)-T7DAUF68KMA1 DN-131007
ENERGY_STAR_Specification_Version*			6.0
Product_Type*			Monitor
Other_Product_Type			NA
Display_Type*			TN LCD
Other_Display_Type			NA
Display_Backlight_Technology*			LED
Other_Display_Backlight_Technology			NA
Display_Contrast_Ratio*			1000:1
Viewable_Screen_Height_in*			10.6
Viewable_Screen_Width_in*			13.3
Diagonal_Viewable_Screen_Size_in*			17
Viewable_Screen_Area_sq_in*			141.55
Aspect_Ratio*			1.25
Native_Resolution_Vertical_pixels*			1024
Native_Resolution_Horizontal_pixels*			1280
Total_Native_Resolution_megapixels*			1.311
Maximum_Resolution_Vertical*			1024
Maximum_Resolution_Horizontal*			1280
Native_Pixel_Density_Dp_pixels_sq_in*			9297
Screen_Refresh_Rate_Hz*			60
Horizontal_Viewing_Angle_degrees*			178
Vertical_Viewing_Angle_degrees*			178
Color_Gamut*			72%(type)
Is_Color_Gamut_at_least_sRGB*			No
Is_This_Model_an_Enhanced_Performance_Display			No
Reported_Contrast_Ratio_at_85_Left_Horizontal_Viewing_Angle			NA
Reported_Contrast_Ratio_at_85_Right_Horizontal_Viewing_Angle			NA
Is_This_Model_Shipped_With_an_External_Power_Supply_EPS*			No
Is_Model_Sold_Through_Enterprise_Channels*			Yes
Other_Available_Interfaces			None
Other_Data_Network_Peripheral_Ports			None
Other_Model_Options			None
Interface*			DVI
Other_Interface			NA
Data_Network_Connection*			None
Other_Data_Network_Connected			None
Power_Source*			Ac Wall Outlet
Other_Power_Source			None
VESA_FPDM2_Test_Pattern_Used*			No
Recommended_Image_Size_mm*			337x270

8.0 Test Summary	
Display_Has_an_Integrated_Television_Tuner*	No
Other_Mechanism_for_Automatically_Entering_Sleep_or_Off_Mode	None
Default_Delay_Time_to_Sleep_min	
Does_Model_Have_a_Forced_Menu_at_Initial_Start_up*	No
Is_Automatic_Brightness_Control_ABC_Present*	No
Is_Automatic_Brightness_Control_ABC_Enabled_by_Default	No
Automatic_Brightness_Control_ABC_Disabled_Brightness_Mode	
Minimum_Luminance_cd_m_2*	30.6
Maximum_Measured_Luminance_cd_m_2*	262.8
Maximum_Reported_Luminance_cd_m_2*	250
As_shipped_Luminance_cd_m_2	
As_tested_Luminance_cd_m_2*	200
On_Mode_Power_at_10_Lux_at_115_Volts_W	
On_Mode_Power_at_300_Lux_at_115_Volts_W	
Measured_On_Mode_Power_at_115_Volts_W	11.3
Reported_On_Mode_Power_at_115_Volts_W	
Measured_Sleep_Mode_Power_at_115_Volts_W	0.41
Reported_Sleep_Mode_Power_at_115_Volts_W	
Measured_Non_Connected_Sleep_Mode_Power_at_115_Volts_W	
Measured_Off_Mode_Power_at_115_Volts_W	0.19
Reported_Off_Mode_Power_at_115_Volts_W	
On_Mode_Power_at_10_Lux_at_230_Volts_W	
On_Mode_Power_at_300_Lux_at_230_Volts_W	
Measured_On_Mode_Power_at_230_Volts_W	11.22
Measured_Sleep_Mode_Power_at_230_Volts_W	0.41
Measured_Non_Connected_Sleep_Mode_Power_at_230_Volts_W	
Measured_Off_Mode_Power_at_230_Volts_W	0.19
On_Mode_Limit_Pon_max_W*	15.09
Sleep_Mode_Limit_Psleep_ap_or_Psleep_max_W*	0.5
Off_Mode_Limit_Poff_max_W*	0.5
True_Power_Factor_PF_During_On_Mode_Testing*	0.5
Low_Voltage_Dc_Source_Power_PI_W	
Adder_for_an_Enhanced_Performance_Display_W	0
Adder_for_Automatic_Brightness_Control_W	0
Number_of_Sleep_Modes_in_Addition_to_Default_Sleep_Mode*	0
Signal_Technology*	Analog,Digital
Available_Interfaces*	VGA,DVI
Data_Network_Peripheral_Ports*	None
Model_Options*	None
	Display Power Management Signaling
Mechanism_for_Automatically_Entering_Sleep_or_Off_Mode*	
On_Mode_Power_at_10_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	11.1
Measured_Sleep_Mode_Power_at_100_Volts_50Hz_W	0.42
Measured_Non_Connected_Sleep_Mode_Power_at_100_Volts_50Hz_W	
Measured_Off_Mode_Power_at_100_Volts_50Hz_W	0.19
On_Mode_Power_at_10_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	10.99
Measured_Sleep_Mode_Power_at_100_Volts_60Hz_W	0.42
Measured_Non_Connected_Sleep_Mode_Power_at_100_Volts_60Hz_W	

8.0 Test Summary	
Measured_Off_Mode_Power_at_100_Volts_60Hz_W	0.19

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:	Jarree Jiang	Reviewed by:	Jessica He
Title:	Engineer	Title:	Reviewer
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	Top Victory Electronics (Taiwan) Co.,Ltd.		
Address	10F.,No.230,Liancheng Rd. Zhonghe City. Taipei Country 23553		
Country	Taiwan	EPA ID	1065104
Product	Display(LCD Monitor)		

MULTIPLE LISTEE 1	None		
Address			
Country		EPA ID	
Contact			
Phone			
FAX			
Email			
Brand Name			
Trans Type			
Notes			

ASSOCIATED MANUFACTURER			
Address			
Country			

MULTIPLE LISTEE 1 MODELS		BASIC LISTEE MODELS
Additional model details (Optional)	Model Name or Number	Identifying Information

MULTIPLE LISTEE 2	None		
Address			
Country		EPA ID	
Contact			
Phone			
FAX			
Email			
Brand Name			
Trans Type			
Notes			

ASSOCIATED MANUFACTURER			
Address			
Country			

MULTIPLE LISTEE 2 MODELS		BASIC LISTEE MODELS
Additional model details (Optional)	Model Name or 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

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. Dansy Xu

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