

1.0 Reference and Address					
Report Number	r 240100587SHA-1 Original Issued: 15-Jan-2024 Revised: None				
Standard(s)	ENERGY STAR® Program Requirements for Displays Version 8.0				
	All Product Types and Screen Sizes	ENERGY STAR Test Method for Determining Display Energy – Rev. Nov-2021			
	Enhanced Performance Displays	International Committee for Display Metrology (ICDM) Information Display Measurements Standard – Version 1.03			
Test Methods	Displays Claiming Full Network Connectivity	CTA-2037-A, Determination of Television Set Power Consumption			
	Displays Claiming High Dynamic Range (HDR)	VESA High-performance Monitor and Display Compliance Test Specification (DisplayHDR CTS) Version 1.0			
Test Materials	"IEC 62087:2011 Dynamic Broadcast-Content Signal" shall be used for testing, as specific IEC 62087:2011, Section 11.6, "On (average) mode testing using dynamic broadcast-contentvideo signal."				
	"VESA FPDM2" shall be used only for products that cannot display the IEC 62087:2011 Dynamic Broadcast-Content Signal.				
Reference Standard	IEC 62301:2011, "Household electrical appliances - Measurement of standby power"				
Applicant	Top Victory Electronics (Taiwan) Co.,Ltd.		Manufacturer 1	TPV Electronics(Fujian) Co., Ltd	
Address	10F.,No.230,Liancheng Rd. Zhonghe City. Taipei Country 23553		Address	Rongqiao Economic and Technological Development Zone, Fuqing City, Fujian Province	
Country	Taiwan		Country	P.R.China	
Contact	David.Cheng		Contact	Winter.Feng	
Phone	+886-2-82261668-2375		Phone	+86-591-85285555	
FAX	+886-2-82261668-23		FAX	+86-591-85285447	
Email	David.cheng@tpv-te	ech.com	Email	winter.feng@tpv-tech.com	
Manufacturer 2	TPV Display Technology (Beihai) Co.,Ltd		Manufacturer 3	TPV Display Technology (China) Co., Ltd.	
Address	China Electronic Beihai Industry Park,Northeast of the Crossing between Taiwan Road and Jilin Road Beihai City,Guangxi		Address	No.106 Jinghai 3 Rd., BDA, Beijing City	
Country	China		Country	China	
Contact	Jiaping Chen		Contact	Nancy.Shang	
Phone	86-799-3132666-8255		Phone	86(10)64326699-8312	
FAX	86-779-2232270		FAX	NÀ	
Email	jiaping.Chen@tpv-tech.com		Email	lijia.shang@tpv-tech.com	

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1.0 Reference and Address					
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	Address	Unique No.11 Zhuankou Development District of Economic Technological Development Zone Wuhan		
Country	China	Country	China		
Contact	Shan Xu	Contact	Zhe.Zhou		
Phone	86(591)8651-5556	Phone	86(27)-6884 3822		
FAX	86(591)8651-5556	FAX	86(27)-6884 3822		
Email	shan.xu@Intdisplayfj.com	Email	zhe.zhou@tpv-tech.com		

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2.0 Product Description Display (LCD Monitor) Product AOC **Brand Name** The product covered by this report is a Display (LCD Monitor) Description Q27U3CV Models **Model Similarity** NA 100-240Vac, 50/60Hz, 3.0A Ratings Other Ratings NA TPVDate Available 04/01/2024 Market Availability No Electronics(Fujian) OEM Co. Ltd Major Markets Canada, Japan, Taiwan, United States Initial Certification: Model Meets ENERGY STAR Requirements Trans Type Notes UPC Reason no UPC UPC Code Not Yet Assigned - Partner Will Provide Later Other reason no UPC Additional Model Model Name and Number Identifying Information Details (Optional) Original Certificate Actual Issued Date for Model Tested (Only Applies to Revised Reports)

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NΑ

3.0 Product Photographs

Photo 1 - External View (front)

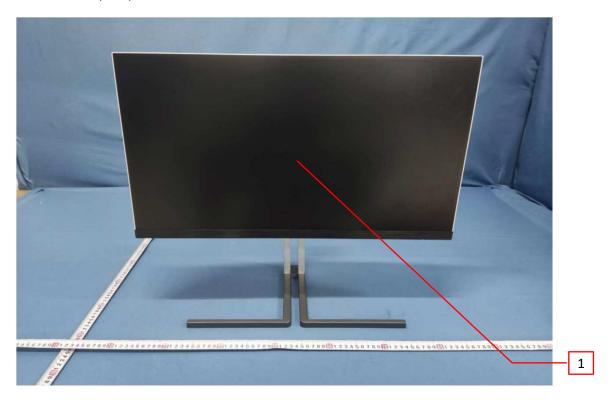


Photo 2 - External View (back)



3.0 Product Photographs

Photo 3 - Main Board (TPV/715GE166)

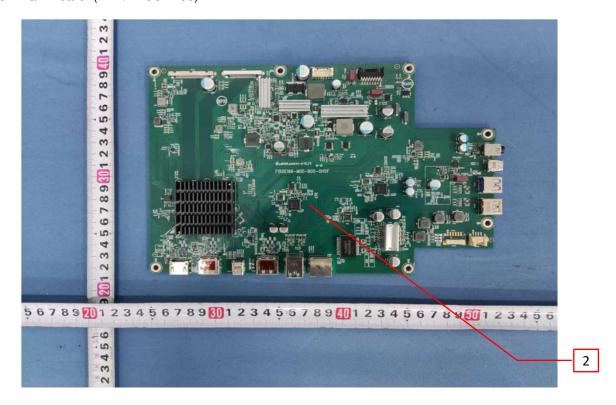
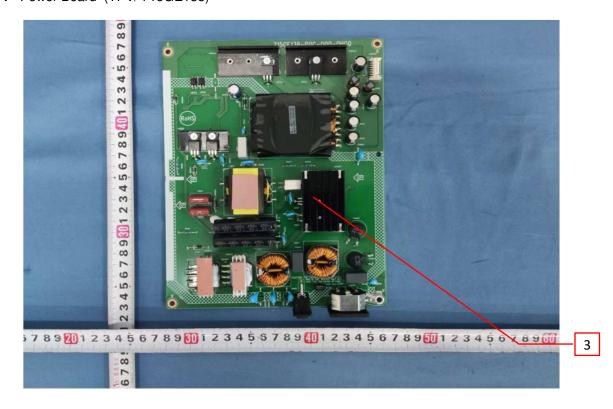


Photo 4 - Power Board (TPV/715GE138)



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4.0 (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	TPM270WQ1	27.0 inch, TFT type, with LED backlight	NR
3	2	Main Board	TPV	715GE166	I/P: 19Vdc, 8A	NR
4	3	Power Board	TPV	715GE138	I/P: 100-240Vac, 50/60Hz, 3A; O/P: 19Vdc, 8A	NR

NOTES:

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

^{2) &}quot;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.

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Revised: None

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.

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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(s). 1 - 2 for details.
- 5. Package Markings NA
- 6. Warranty Information NA
- Marking Label Refer to Illustration No.3 for details.

7.0 Illustrations

Illustration 1 - Installation, Operating and Safety Instructions

Safety

National Conventions

The following subsections describe national 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.



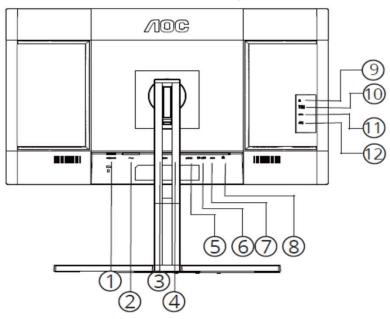
WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem. Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

7.0 Illustrations

Illustration 2 - Installation, Operating and Safety Instructions (Continued)

Connecting the Monitor

Cable Connections In Back of Monitor and Computer:



- 1. Power Switch
- 2. Power
- 3. HDMI
- 4. DP IN
- 5. USB C
- DP OUT
 USB3.2 Gen1
- 8. RJ45 (network connector)
- 9. Earphone
- 10. USB C
- 11. USB3.2 Gen1
- 12. USB3.2 Gen2 downstream+charging

Connect to PC

- 1. Connect the power cord to the back of the display firmly.
- 2. Turn off your computer and unplug its power cable.
- 3. Connect the display signal cable to the video connector on the back of your computer.
- 4. Plug the power cord of your computer and your display into a nearby outlet.
- 5. Turn on your computer and display.

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

To protect equipment, always turn off the PC and LCD monitor before connecting.

7.0 Illustrations

Illustration 3 - Marking Label



8.0 Test Summary					
Evaluation Period	1/15/2024 - 1/15/2024	Р	Project No. 240100587SHA		
Sample Rec. Date	12-Jan-2024 Condition		Sample ID. 0240112-133-0		
Test Location	Intertek Testing Services Shanghai Limited (1105997)				
Test Procedure	Testing Lab		Test type Qualification		
Determination of the	esult includes consideration of meas	surement uncertainty from	the test equipment and		
methods. The produc	t was tested as indicated below with	results in conformance to	the relevant test criteria.		
The following requires	nents were evaluated:				
Required Submittal In	ormation		Submittal Dat		
Model Name and/or N			Q27U3CV		
Date tested			01/15/2024		
Serial number of Unit	tested		1 sample		
ENERGY_STAR_Spe			8.0		
Product Type*			Monitor		
Tiled_Display_Systen					
Maximum_Tiled_Con			1		
Panel Type*	.9		IPS LCD		
Other_Panel_Type					
Diagonal Screen Siz	e in*		27		
Screen Area sq in*			310.47		
Display Contrast Ra	in*		1000		
Native Vertical Reso			1440		
Native Horizontal Re			2560		
Total_Native_Resolut	_		3.7		
Native Pixel Density			11874		
As Tested Screen F			60		
Maximum Screen R			75		
Enhanced Performar			Yes		
Color Gamut	ce_ontena		45.5		
	atio_at_85_deg_Left_Horiz_Viewing	Anglo	68		
	atio_at_65_deg_Left_Floriz_Viewing atio_at_85_deg_Right_Horiz_Viewin		62		
		ig_Arigie	DisplayHDR 40		
High_Dynamic_Range_HDR* Other Available Interfaces					
Other Features	aces				
_			DisplayPort 1.		
Other Interface	V =				
USB_C_with_Power_	Polivory Supported*		Yes		
			96		
Other Power Source					
	Does_Model_Have_a_Forced_Menu_at_Initial_Start_up* No				
	Luminance_cd_m_2*		350.5		
Maximum Reported			350		
As_shipped_Luminar			212.1		
			200		
As_tested_Luminance_cd_m_2* 200 On_Mode_Power_at_12_Lux_at_115_Volts_W					
On_Mode_Power_at_12_Lux_at_115_Volts_W On Mode Power at 300 Lux at 115 Volts W					
	Power_at_115_Volts_W		21.27		
	Power_at_115_volts_w		21.27		
		tion W	21.21		
	Power_Limit_for_Signage_Certifica	UOI1_VV	1.54		
	de_Power_at_115_Volts_W		1.54		
	e_Power_at_115_Volts_W	alta M	0.35		
Maximum_Sleep_Mode_Power_Limit_for_Signage_Certification_W Number_of_Sleep_Modes_in_Addition_to_Default_Sleep_Mode* 0					
			U		
Other_Mechanism_for_Automatically_Entering_Sleep_or_Off_Mode					

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8.0 Test Summary	
Default_Delay_Time_to_Sleep_min	
Measured Off Mode Power at 115 Volts W	0.2
Reported_Off_Mode_Power_at_115_Volts_W	0.2
Measured_Total_Energy_Consumption_at_115_Volts_kWh	73.99
Reported_Total_Energy_Consumption_at_115_Volts_kWh	73.99
Max_Total_Energy_Consumption_Limit_for_Monitor_kWh	78.85
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	20.25
Measured Sleep Mode Power at 230 Volts W	1.51
Measured_Disconnected_Sleep_Mode_Power_at_230_Volts_W	0.35
Measured Off Mode Power at 230 Volts W	0.22
Measured_Total_Energy_Consumption_at_230_Volts_kWh	70.69
True_Power_Factor_PF_During_On_Mode_Testing_at_115_Volts_W	0.89
True Power Factor PF During On Mode Testing at 230 Volts W	0.47
True_r ower_r actor_r r_burning_on_wode_resting_at_250_volts_vv	sRGB,Adobe
	RGB,DCI-
Color_Spaces_Supported*	P3,Other
Colol_Spaces_Supported	Display,HDMI,RJ4
Available Cianal or Date Interfesse*	5,USB
Available_Signal_or_Data_Interfaces*	5,036 Built-In
	Speakers,Full Network
	Connectivity, High
Martin Francisco	Dynamic
Model_Features*	Range,USB-C
	Built-In
	Speakers,Full
	Network
	Connectivity, High
Features_Enabled_in_Default_On_Mode*	Dynamic Range
	Full Network
Features_Enabled_in_Default_Sleep_Mode*	Connectivity
Wireless_Technologies_Supported*	None
	Gigabit Ethernet
Ethernet_Supported*	(1000 Mbit/s)
	Ac to dc internal
Power_Source*	power supply
	Display Power
	Management
Mechanism_for_Automatically_Entering_Sleep_or_Off_Mode*	Signaling
On_Mode_Power_at_12_Lux_at_100_Volts_50Hz_W	
On_Mode_Power_at_300_Lux_at_100_Volts_50Hz_W	04.40
Measured_On_Mode_Power_at_100_Volts_50Hz_W	21.19
Measured_Sleep_Mode_Power_at_100_Volts_50Hz_W	1.62
Measured_Disconnected_Sleep_Mode_Power_at_100_Volts_50Hz_W	0.36
Measured_Off_Mode_Power_at_100_Volts_50Hz_W	0.19
Measured_Total_Energy_Consumption_at_100_Volts_50Hz_kWh	74.18
On_Mode_Power_at_12_Lux_at_100_Volts_60Hz_W	
On_Mode_Power_at_300_Lux_at_100_Volts_60Hz_W	01.0
Measured_On_Mode_Power_at_100_Volts_60Hz_W	21.2
Measured_Sleep_Mode_Power_at_100_Volts_60Hz_W	1.61
Measured_Disconnected_Sleep_Mode_Power_at_100_Volts_60Hz_W	0.36 0.2
Measured_Off_Mode_Power_at_100_Volts_60Hz_W	
Measured_Total_Energy_Consumption_at_100_Volts_60Hz_kWh	74.16

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8.0 Test Summary

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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:

Carl Dong

Reviewed by:

Sam Li

Title:

Engineer

Signature:

Issued: 15-Jan-2024

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 Taiwan Country **EPA ID** 1065104 Display (LCD Monitor) Product David.Cheng Contact Phone +886-2-82261668-2375 +886-2-82261668-2375 FAX David.cheng@tpv-tech.com Email 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

WOLTH LL	LIGITEE I MIGBELO	2,1010 210122 11102220	
Additional Model Details	Model Name and Number	Identifying Information	
(Optional)			

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(Optional)

9.0 Correlation Page For Multiple Listings

MULTIPLE LISTEE 2 None Address EPA ID Country 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 Model Name and Number Identifying Information Additional Model Details

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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.

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Revised: None

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.

Issued: 15-Jan-2024

12.0 Revision Summary The following changes are in compliance with the declaration of Section 8.1: Project Handler/ Date/ Description of Change Section Item Proj # Site ID Reviewer None

Issued: 15-Jan-2024