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Energy Related Products

Standby and Off Mode Energy Efficiency Test Report

Regulatory Reference: COMMISSION REGULATION (EC) No 1275/2008 of 17 December 2008, implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment.

Manufacturer Name:	NEC Display Solutions,Ltd.
Manufacturer Address:	4-28, Mita 1-chome, Minato-ku, Tokyo, Japan
Report no.:	NEC_V484_2016-11-17
Product:	LCD Monitor
Trademark:	NEC
Model no.	V484
Factory Name:	TPV Electronics (Fujian) Co., Ltd.
Test Lab.:	TPV Labs of FuQing Factory
Address of test Lab:	Yuan Hong Rd., Shang-Zheng Hong-Lu, Fuqing City Fujian 350301, P.R.China
Test Date:	2016-11-17
Test Sample #:	NA
Actual ambient temperature :	24.5℃
Total Harmonic Distortion :	< 2% THD
Test Standard:	IEC62301 , EN62301

1. Test Equipment Information

This section identifies the relevant equipment characteristics to assess conformity with the EuP Standby and Off Mode requirements of Regulation (EC) No 1275/2008, and when applicable, space for including a technical justification if the requirements specified in the EuP Standby and Off Mode requirements are inappropriate for the intended use of equipment.

Test Equipment description	Test Equipment Supplier and Model No.	Test Equipment Serial No.	Date of Last Calibration
Pattern Generator	Chroma 2226	AGF000000330	2016-8-19
Luminance Meter	CA-210	B1106288	2016-7-25
AC Source	AC source 1000W	F103040001	2016-4-22
Power Meter	WT-210	91J819672	2016-4-30

2. Test Condition

a. AC power source

1. Input power and frequency: 230V(±1%), 50Hz(±1%)
2. input : VGA / extenal control : RS-232C

Note: Item 2 is from NEC Tomohiro Mihara-san requirement.

b. Generator side

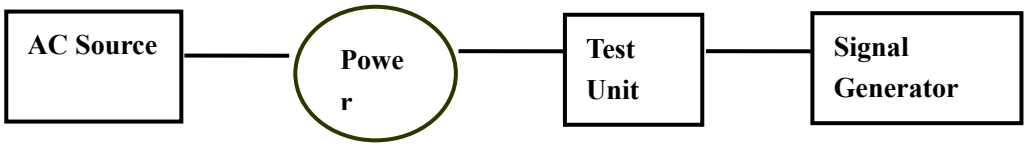
1. Display pattern: 80% white
2. Display size: Full screen

c. Ambient Condition

1. Temperature: 20±5℃
2. Humidity: 20~80%

3. Test Method

a. Connecting Diagram



b. Set up the voltage at 230 (± 1%) Volts AC, 50Hz(± 1%)

c. Set the generator in each low power mode, Sleep mode and Off mode

d. Warm up the test unit at least 20 minutes

e. Measure and record the max power under each low power mode, Sleep mode and off mode

4. Note:

a. All the equipments used must be calibrated

b. After the voltage is stable over at least 5 minutes. Monitor the power consumption for not less an additional 5 minutes

c. If the power level does not drift over 5% during the latter 5 monitor, then the power can be recorded

d. Information required by Annex II Clause 4 of Regulation (EC) No 1275/2008:

Description of first characteristic for assessing conformity ("Standby Mode" or "Off Mode")	Off mode
Measurement method used (Refer to the standard or specification used or include a description of the measurement method used, if standard or specification is not available.)	Refer to Directive2005/32/EC
Description of how the appliance mode was selected or programmed (Describe how the product is placed into Standby or Off mode for testing. For example, User depresses Off Mode switch.)	User depresses Off Mode switch
Sequence of events to reach the mode where the equipment automatically changes modes (If applicable, when Tier 2 comes into force. For example, Product allowed to enter a low power mode after *X* minutes of user inactivity.)	more 8 seconds to power saving

5. Test Result

Mode	Test Results	Limit for Off mode (W)	Verdict (Pass / Fail)
Off mode (W)	0	From Jan. 7,2013： ≤0.50W Erp lot 6	Pass
Standby mode (W)	0.40		Pass
Power management -Sleep Mode (W)	0.41		Pass
Network standby (W)	1.935	For ErP (Network standby) requirement: ≤3.0 W Time	Pass
Remark: The power consumption data in Watts rounded to the second decimal place Power management -Sleep Mode data is only tested for VGA function .this is from NDS requirement			

Sally Jiang 2016-11-17

Test Performed by:

Enter Name: SallyJiang

Signature and Date

Test Reviewed and Approved by:

Enter Name: Winter Feng

Winter Feng 2016-11-17

Signature and Date