



EST Technology Co., Ltd.

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Report Ref. No.

ESTS-G22082007

### TEST REPORT

EST Technology Test program for  
Erp(Directive 2009/125/EC) requirements for electronic display

Report Reference No .....: ESTS-G22082007

Tested by (+ signature).....: Joker Li/Engineer

Approved by (+ signature)...: Jimmy Liang/ Reviewer



Applicant.....: Sharp NEC Display Solutions, Ltd.

Address.....: 4-28, Mita 1-chome, Minato-ku, Tokyo, 108-0073 Japan.

Manufacturer.....: Sharp NEC Display Solutions, Ltd.

Address.....: 4-28, Mita 1-chome, Minato-ku, Tokyo, 108-0073 Japan

Factory.....: 1) Huizhou KTC Technology Co., Ltd.

2) Dynabook Technology (Hangzhou) Inc.

Address.....: 1) NO.38 Guangtai Road, Huinan HI-TECH Industrial Park, Huizhou City, Guangdong  
Province, P.R. China  
2) 2/F, Building 2, NO.3, East Gate, Comprehensive bonded Zone, Hangzhou Economic  
and Technical Development Zone, Zhejiang, China

Description.....: LCD MONITOR

Model No.....: M751

Trade mark.....: NEC

Rating.....: Input: 100-240V~, 50/60Hz, 4.9-2.0A;

Test Result.....: PASS

Sample receipt date.....: August 20, 2022

Date(s) of Test.....: August 31, 2022

Date of Issue.....: November 12, 2022

Test procedure.....: ☒ COMMISSION REGULATION (EU) 2019/2021 of 1 October 2019  
☒ COMMISSION DELEGATED REGULATION (EU) 2019/2013  
of 11 March 2019  
☒ COMMISSION REGULATION (EU) 2021/341 of 23 February 2021  
☒ COMMISSION DELEGATED REGULATION (EU) 2021/340 of 17 December 2020  
☒ EN 62087-1: 2016 ☒ EN 62087-2: 2016 ☒ EN 62087-3: 2016  
☒ EN 50564:2011

Testing laboratory.....: EST Technology Co., Ltd.

Address.....: Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

Laboratory Accreditation...: CNAS

Test Report issued under the responsibility of:

EST Technology Co., Ltd.

## Standard and environmental conditions

**Test Laboratory Address.....:** EST Technology Co., Ltd.  
Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

**Standards applied.....:** (EU) 2019/2021, (EU) 2021/341

**Voltage/ frequency of power supply.....:** 230Vac/50Hz

**Fluctuation of electricity supply voltage during test.....:**  $\pm 0.5V$

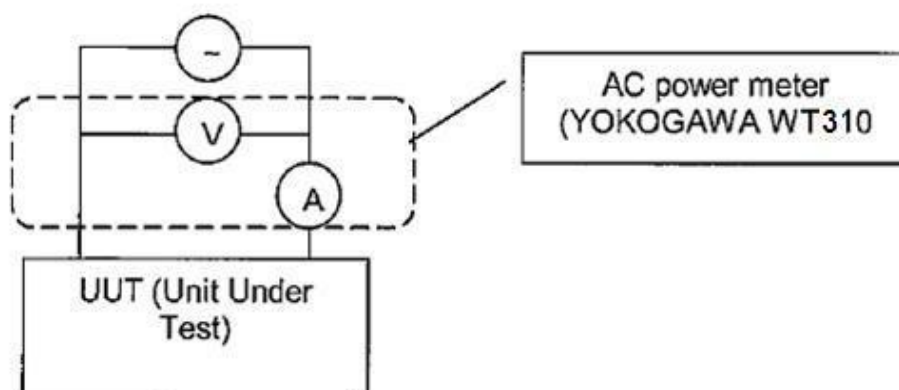
**Ambient temp( °C) .....:** 23.8

**%VTHD of electricity supply...:** 1.267%

**Power Measuring device.....:** Yokogawa WT310 Power Meter

**Input signal.....:** (EU) 2021/341ANNEX V test signal

**Set-up and circuits used for electrical testing.....:**



## Measurement Conditions

**Model.....:** M751

**Test Model.....:** M751

**Model difference.....:** N/A

**Operating condition.....:** Off-mode

**Method used.....:** Sampling Method

**Comments.....:** The product was measured in off- mode. The product was connected to the main power source and not providing any function.

**Operating condition.....:** Stand-by mode

**Method used.....:** Sampling Method

**Comments.....:** The product was measured in “standby” mode. The product was connected to the main power source and without information or status display.

**Operating condition.....:** Network standby mode

**Method used.....:** Sampling Method

**Comments.....:** The product was measured in “standby” mode. The product was connected to the main power source and without information or status display.

**Operating condition.....:** On-mode

**Method used.....:** Accumulated energy approach using the (EU) 2021/341ANNEX V test signal.

**Comments.....:** The product was measured in Standard condition of the electronic display as delivered by the manufacturer. The readings were integrated over ten minutes test period for further accuracy.

**Adjustment of controls:** Mute

## General Product Information

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product type</b> .....:                                   | <input type="checkbox"/> Television<br><input type="checkbox"/> Monitor<br><input checked="" type="checkbox"/> Digital signage display<br><input type="checkbox"/> Broadcast displays<br><input type="checkbox"/> Professional display<br><input type="checkbox"/> Security display<br><input type="checkbox"/> Digital interactive whiteboards<br><input type="checkbox"/> Digital photo frame<br><input type="checkbox"/> Status display<br><input type="checkbox"/> Control panel |
| <b>Manufacturer/Model of Screen</b> .....:                   | Shenzhen KTC Commercial Display Technology Co., LTD<br>/ K750WD97                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Viewable screen(Horizontal)(dm)</b> .....:                | 16.49664                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Viewable screen(Vertical)(dm)</b> .....:                  | 9.27936                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Viewable screen area(square dm<sup>2</sup>)</b> .....:    | 153.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Viewable diagonal screen size(inch)</b> ....:             | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Display resolution</b>                                    | 3840*2160                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Audio/Video Ports</b> .....:                              | <input checked="" type="checkbox"/> HDMI <input type="checkbox"/> CI <input type="checkbox"/> VGA <input type="checkbox"/> AV IN <input type="checkbox"/> RF <input type="checkbox"/> AUDIO IN<br><input checked="" type="checkbox"/> Other: EXTERNAL SPEAKER TERMINAL, AUDIO OUT, LAN, REMOTE, DisplayPort IN , DisplayPort OUT, USB, Option Board Slot, RS-232C IN                                                                                                                 |
| <b>Is there ABC function?</b> .....                          | <input checked="" type="checkbox"/> With <input type="checkbox"/> Without                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Is there force menu?</b> .....                            | <input type="checkbox"/> With <input checked="" type="checkbox"/> Without                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Is EPS provided?</b> .....                                | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>If yes, does Erp meets (EU) 2019/1782</b> .....:          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Manufacturer of EPS</b> .....:                            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Type of EPS</b> .....:                                    | Model from report: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Is network electronic display?</b> .....                  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Is electronic display with HiNA functionality?</b> .....: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Network port</b> .....:                                   | <input checked="" type="checkbox"/> Wired<br><input type="checkbox"/> Wireless                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Possible test case verdicts:</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| - test case does not apply to the test object.....:          | N/A (Not Apply.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| - test object does meet the requirement.....:                | P(ass)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| - test object does not meet the requirement.....:            | F(ail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Copy of marking plate(Representative):

The artwork below may be only a draft.

### NEC MultiSync M751

VOLTS Вольт 输入电压 輸入電壓 : 100-240V~  
 AMPERES Ампер 电流 電流 : 4.9-2.0A (6.0A FOR MEXICO)  
 FREQUENCY Частота 工作频率 工作頻率 : 50/60Hz

**CAUTION:** TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE THE ENCLOSURE.  
 NO USER-SERVICEABLE PARTS INSIDE.

**ATTENTION:** AFIN DE PREVENIR DE TOUT CHOC ELECTRIQUES, NE PAS OUVRIR CE BOITIER.  
 AUCUNE PIECE INTERNE NE PEUT-ETRE CHANGEE PAR L'UTILISATEUR.

**ACHTUNG:** ZUR TRENNUNG VOM NETZ IST DER NETZSTECKER AUS DER STECKDOSE ZU ZIEHEN.  
 GERÄT NICHT ÖFFNEN. ES SIND KEINE DURCH DEN BENUTZER AUSWECHSELBAREN TEILE IM GERÄT VORHANDEN.

**PRECAUCIÓN:** PARA PREVENIR DESCARGA ELÉCTRICA, NO QUITAR EL RECINTO.  
 NINGUNAS PIEZAS DEL USUARIO SERVICABLE ADENTRO.

**VAROITUS:** LAITE ON LITETTÄVÄ SUOJAKOSKETTIMILLA VARUSTETTUUN PISTORASIAAN.  
**VARNING:** APPARATEN SKALL ANSLUTAS TILL JORDAT UTTAG.

**ADVARSEL:** APPARATET MÅ TILKOPLES JORDET STIKKONTAKT.  
**ADVARSEL:** APPARATETS STIKKPROP SKAL TILSLUTTES EN STIKKONTAKT  
 MED JORD SOM GIVER FORBINDELSE TIL STIKPROPPENS JORD.

⚠️ **注意:** 請勿打開後蓋, 小心高壓電擊。機內並無用戶配件。  
 ⚠️ **注意:** 請勿打開後蓋, 小心高壓電擊。機內並無用戶配件。  
 ⚠️ **警告:** 使用過度恐傷害視力。

사용상 주의사항 감전의 위험 및 제품의 손상이 발생할 수  
 있으므로 제품의 커버를 열지 마십시오.  
 인증 서비스 센터 전화 번호: 080-022-1155 (호성ITX주식회사)  
 \* 본 라벨과 전화번호는 국내 규정 내에서 적절한 목적으로만  
 사용되어야 합니다.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.  
 OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:  
 (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND  
 (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,  
 INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.

CAN ICES-003(B) / NMB-003(B)

تنبيه  
 تجنب فتح الغطاء العلوي للجهاز متعا لتعرض لصدمة كهربائية.  
 لا يحتوي الجهاز على أجزاء داخلية قابلة للصيانة من قبل المستخدم.

### LCD MONITOR

### ЖК-монитор

液晶显示器 彩色显示器  
 모니터 (75인치 LCD 모니터)  
 (MODEL / Модель / 型号 / 型號 / 모델명: M751)

FOR JAPAN ONLY

⚠️ **警告** ⚡️

**高圧注意**  
 サービスマン以外の方は分解しない  
 てください。内部には高電圧部分が  
 あり、万一さわると危険です。

**感電注意**  
 電源コードのアースリード線は必ず  
 接地ください。故障のときに感電の  
 原因になります。

定格電圧 : 100V-240V~  
 定格電流 : 4.9-2.0A  
 定格周波数 : 50/60Hz

PS E

UL Recognized 7777777

IP30

TÜV Rheinland CERTIFIED

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TÜV Rheinland ZERTIFIZIERT

Beurteilt gemäß  
 Sicherheits-  
 Regelvorschriften  
 für elektrische  
 Überwachung

www.tuv.com ID: 3000100001

UL LISTED E354473 I.T.E.

SAFETY MARK

??????-??

CE UKA EAC

RoHS

VCCI

cd

G

HDMI

10

CCC

Brand contact:  
 Sharp NEC Display Solutions, Ltd.  
 シャープNECディスプレイソリューションズ株式会社  
 東京都港区三田一丁目4番28号  
 日本国東京都港区三田一丁目4番28号  
 4-28, Mita 1-chome, Minato-ku, Tokyo, Japan

Contact address for EMEA  
 Sharp NEC Display Solutions Europe GmbH  
 Landskuter Allee 12-14, 80637 Munich, Germany

Contact address for UK  
 Sharp Electronics (Europe) Limited  
 4 Furzeground Way, Stockley Park, Uxbridge, Middlesex, UB11 1EZ, United Kingdom

生産廠: 東能科技(杭州)有限公司 生产厂: 東能科技(杭州)有限公司  
 生产地址: 浙江杭州经济技术开发区综合保税区东门3号2幢2楼  
 制造商: Dynabook Technology (Hangzhou) Inc.  
 Applicant: Huizhou KTC Technology Co., Ltd.

中国製造 中國製造  
 MADE IN CHINA FABRIQUE EN CHINE  
 FABRICADO EN CHINA Сделано в Китае

Landscape  
 TOP

Portrait  
 TOP

This is a representative label

### Possible test case verdicts:

- test case does not apply to the test object.....: N/A (Not Apply.)
- test object does meet the requirement.....: P(ass)
- test object does not meet the requirement.....: F(ail)

---

**Possible suffixes to the verdicts:**

- |                                                |                   |
|------------------------------------------------|-------------------|
| - suffix for detailed information for the      | - C(omment)       |
| - suffix for important information for factory | - M(anufacturing) |

**General remarks:**

- 1, This test report shall not be reproduced except in full without the written approval of the testing laboratory.
- 2, The test results presented in this report relate only to the object tested.
- 3, "(See remark #)" refers to a remark appended to the report.
- 4, "(See appended table)" refers to a table appended to the report.
- 5, This report shall not be reproduced except in full without the written approval of the testing laboratory.
- 6, Customers will ship with energy efficiency labels that meet the 2019/2013 standards.

| Clause                                                                                                                                                                                             | ANNEX II A:ENERGY EFFICIENCY REQUIREMENTS                                                                                                             |                                                                                        | Result -Remark                                                                                                             | Verdict |                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------|
| ENERGY EFFICIENCY INDEX LIMITS FOR ON-MODE                                                                                                                                                         |                                                                                                                                                       |                                                                                        |                                                                                                                            |         |                                                                                                                      |
| A.1                                                                                                                                                                                                | The energy efficiency index (EEI) limits<br><br>EEI limits for on-mode                                                                                |                                                                                        |                                                                                                                            | --      |                                                                                                                      |
|                                                                                                                                                                                                    |                                                                                                                                                       | EEI <sub>max</sub> for electronic displays with resolution up to 2 138 400 pixels (HD) | EEI <sub>max</sub> for electronic displays with resolution above 2 138 400 pixels (HD) and up to 8 294 400 pixels (UHD-4k) |         | EEI <sub>max</sub> for electronic displays with resolution above 8 294 400 pixels (UHD-4k) and for MicroLED displays |
|                                                                                                                                                                                                    | 1 March 2021                                                                                                                                          | 0,90                                                                                   | 1,10                                                                                                                       |         | n.a.                                                                                                                 |
|                                                                                                                                                                                                    | 1 March 2023                                                                                                                                          | 0,75                                                                                   | 0,90                                                                                                                       |         | 0,90                                                                                                                 |
|                                                                                                                                                                                                    | The energy efficiency index (EEI)<br><br>$EEI = \frac{(P_{measured} + 1)}{(3 \times [90 \times \tanh(0,02 + 0,004 \times (A - 11)) + 4] + 3) + corr}$ |                                                                                        | EEI:0.835<br>Declared value<br>EEI:0.926                                                                                   | P       |                                                                                                                      |
|                                                                                                                                                                                                    | P <sub>measured</sub> is the measured power in Watts in on mode in the normal configuration, in standard dynamic range (SDR)                          |                                                                                        | P <sub>measured</sub> :130.76W<br>Declared value<br>P <sub>measured</sub> :145.00W                                         | P       |                                                                                                                      |
| P <sub>measured</sub> is the measured power in Watts in on mode in the normal configuration, in standard dynamic range (HDR)                                                                       |                                                                                                                                                       | P <sub>measured</sub> :123.46W<br>Declared value<br>P <sub>measured</sub> :131.00W     | P                                                                                                                          |         |                                                                                                                      |
| corr is a correction factor of 10 for OLED electronic displays that do not apply the ABC allowance in point B (1). This shall apply until 28 February 2023. corr shall be zero in all other cases. |                                                                                                                                                       | Corr:0                                                                                 | P                                                                                                                          |         |                                                                                                                      |

| Clause | ANNEX II B:ALLOWANCES AND ADJUSTMENTS FOR THE PURPOSE OF THE EEI CALCULATION AND FUNCTIONAL REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Result -Remark | Verdict |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|
| B.1    | <p>Electronic displays with automatic brightness control (ABC) shall qualify for a 10 % reduction in <math>P_{measured}</math> if they meet all of the following requirements:</p> <p>a. ABC is enabled in the normal configuration of the electronic display and persists in any other standard dynamic range configuration available to the end user;</p> <p>b. the value of <math>P_{measured}</math>, in the normal configuration, is measured, with ABC disabled or if ABC cannot be disabled, in an ambient light condition of 100 lux measured at the ABC sensor;</p> <p>c. if applicable, the value of <math>P_{measured}</math> with ABC disabled</p> |                | N/A     |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |     |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----|
|     | <p>shall be equal to or greater than the on mode power measured with ABC enabled in an ambient light condition of 100 lux measured at the ABC sensor;</p> <p>d. with ABC enabled, the measured value of the on mode power must decrease by 20 % or more when the ambient light condition, measured at the ABC sensor, is reduced from 100 lux to 12 lux;</p> <p>e. the ABC control of the display screen luminance meets all of the following characteristics when the ambient light condition measured at the ABC sensor changes:</p> <ul style="list-style-type: none"> <li>-- the measured screen luminance at 60 lux is between 65 % and 95 % of the screen luminance measured at 100 lux;</li> <li>-- the measured screen luminance at 35 lux is between 50 % and 80 % of the screen luminance measured at 100 lux;</li> <li>-- the measured screen luminance at 12 lux is between 35 % and 70 % of the screen luminance measured at 100 lux.</li> </ul> |                          |     |
| B.2 | <p>Forced menu and set up menus:</p> <p>Electronic displays may be placed on the market with a forced menu on initial activation proposing alternative settings. Where a forced menu is provided, the normal configuration shall be set as default choice, otherwise the normal configuration shall be the out-of-the-box setting.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          | N/A |
|     | <p>If the user selects a configuration other than the normal configuration and this configuration results in a higher power demand than the normal configuration, a warning message about the likely increase in energy use shall appear and confirmation of the action shall be explicitly requested.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          | N/A |
|     | <p>If the user selects a setting other than those that are part of the normal configuration and this setting results in a higher energy consumption than the normal configuration, a warning message about the likely increase in energy consumption shall appear and confirmation of the action explicitly requested.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          | N/A |
|     | <p>A change by the user in a single parameter in any setting shall not trigger any change in any other energy-relevant parameter, unless unavoidable. In such a case a warning message shall appear about the change of other parameters and the confirmation of the change shall be explicitly requested.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          | N/A |
| B.3 | <p>Peak white luminance ratio:</p> <p>In the normal configuration, the peak white luminance of the electronic display in a 100 lux ambient light viewing</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 415.96 cd/m <sup>2</sup> | P   |

|  |                                                                                                                                                                                                                                                                        |                                                   |     |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----|
|  | environment shall not be less than 220 cd/m <sup>2</sup> or, if the electronic display is primarily intended for close viewing by a single user, not less than 150 cd/m <sup>2</sup> .                                                                                 |                                                   |     |
|  | If the electronic display's peak white luminance in the normal configuration is set to lower values, it shall not be less than 65 % of the peak white luminance of the display, in a 100 lux ambient light viewing environment in the brightest on mode configuration. | Default luminance more than 220 cd/m <sup>2</sup> | N/A |

| Clause                                                                            | ANNEX II C:OFF MODE, STANDBY AND NETWORKED STANDBY MODE REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Result -Remark                       | Verdict                |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------|--------------|------------------------|----------------|------|------|------|--------------------------------------------------------------|--|--|--|----------------|-----|------|------|--------------------------------------------|-----|------|------|-----------------------------------------------|-----|------|------|---------------|-----|-----|------|-----------------------------------------------------------------------------------|------|------|------|--|----|
| C.1                                                                               | <p>Power demand limits other than on-mode</p> <p style="text-align: center;"><i>Table 2</i><br/>power demand limits other than on-mode, in Watts</p> <table border="1"> <thead> <tr> <th></th><th>Off mode</th><th>Standby mode</th><th>Networked standby mode</th></tr> </thead> <tbody> <tr> <td>Maximum limits</td><td>0,30</td><td>0,50</td><td>2,00</td></tr> <tr> <td>Allowances for additional functions when present and enabled</td><td></td><td></td><td></td></tr> <tr> <td>    Status display</td><td>0,0</td><td>0,20</td><td>0,20</td></tr> <tr> <td>    Deactivation using room presence detection</td><td>0,0</td><td>0,50</td><td>0,50</td></tr> <tr> <td>    Touch functionality, if usable for activation</td><td>0,0</td><td>1,00</td><td>1,00</td></tr> <tr> <td>    HiNA function</td><td>0,0</td><td>0,0</td><td>4,00</td></tr> <tr> <td>Total maximum power demand with all additional functions when present and enabled</td><td>0,30</td><td>2,20</td><td>7,70</td></tr> </tbody> </table> |                                      | Off mode               | Standby mode | Networked standby mode | Maximum limits | 0,30 | 0,50 | 2,00 | Allowances for additional functions when present and enabled |  |  |  | Status display | 0,0 | 0,20 | 0,20 | Deactivation using room presence detection | 0,0 | 0,50 | 0,50 | Touch functionality, if usable for activation | 0,0 | 1,00 | 1,00 | HiNA function | 0,0 | 0,0 | 4,00 | Total maximum power demand with all additional functions when present and enabled | 0,30 | 2,20 | 7,70 |  | -- |
|                                                                                   | Off mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Standby mode                         | Networked standby mode |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| Maximum limits                                                                    | 0,30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0,50                                 | 2,00                   |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| Allowances for additional functions when present and enabled                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |                        |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| Status display                                                                    | 0,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0,20                                 | 0,20                   |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| Deactivation using room presence detection                                        | 0,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0,50                                 | 0,50                   |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| Touch functionality, if usable for activation                                     | 0,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,00                                 | 1,00                   |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| HiNA function                                                                     | 0,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0,0                                  | 4,00                   |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| Total maximum power demand with all additional functions when present and enabled | 0,30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2,20                                 | 7,70                   |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
|                                                                                   | Power consumption of a electronic display in 'off mode<br>Limited:0.3W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.001W                               | P                      |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
|                                                                                   | Power consumption of a electronic display in 'standby mode(s)<br>Limited:see table 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.29W                                | P                      |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
|                                                                                   | Power consumption of a electronic display in 'Networked standby mode(s)<br>Limited:see table 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.79W                                | P                      |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
| C.2                                                                               | Availability of off, standby and networked standby modes<br>Electronic displays shall provide off mode or standby mode or a networked standby mode or other modes which do not exceed the applicable power demand requirements for standby mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Standby mode<br>Network standby mode | P                      |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
|                                                                                   | The configuration menu, instruction manuals and other documentation, if any, shall refer to off mode, standby mode or networked standby mode using those terms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      | P                      |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |
|                                                                                   | Automatic switch to off mode and/or standby mode and/or another mode which does not exceed the applicable power demand requirements for standby mode shall be set as default, including for networked displays where the network interface is enabled when in on mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      | P                      |              |                        |                |      |      |      |                                                              |  |  |  |                |     |      |      |                                            |     |      |      |                                               |     |      |      |               |     |     |      |                                                                                   |      |      |      |  |    |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |     |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|
|     | Networked standby mode shall be disabled in 'normal configuration' of a networked television. The end user shall be prompted to confirm the activation of networked standby, if it is needed for a chosen remotely activated function, and must be able to disable it.                                                                                                                                                                                                                                                                                                                                                               |                         | P   |
|     | Networked electronic displays shall comply with the requirements for standby mode when networked standby mode is disabled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         | P   |
| C.3 | <b>Automatic standby in televisions:</b><br>a)Televisions shall provide a power management function, enabled as delivered by the manufacturer that, within 4 hours following the last user interaction, shall switch the television from on mode into standby mode or networked standby mode or another mode which does not exceed the applicable power demand requirements respectively for standby or networked standby mode. Before such automatic switch, televisions shall show, for at least 20 seconds, an alert message warning the user of the impending switch, with possibility of delaying or temporarily cancelling it. | Digital signage display | N/A |
|     | (b) If the television provides a function allowing the user to shorten, extend or disable the 4-hour period for automatic mode transitions detailed in (a), a warning message shall appear about a potential increase in energy use and a confirmation of the new setting must be requested when an extension beyond the 4-hour period or disabling is selected.                                                                                                                                                                                                                                                                     |                         | N/A |
|     | (c) If the television is equipped with a room presence sensor, the automatic transition from on mode into any mode as detailed in (a) applies if no presence is detected for no more than 1 hour.                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         | N/A |
|     | (d) Televisions with various selectable input sources shall prioritise the power management protocols of the signal source selected and displayed over those default power management mechanisms described in the paragraphs (a) to (c) above.                                                                                                                                                                                                                                                                                                                                                                                       |                         | N/A |
| C.4 | <b>Automatic standby in displays other than televisions</b><br>Electronic displays other than televisions, with various selectable input sources shall switch, as configured in the normal configuration, into standby mode, networked standby mode or another mode which does not exceed the applicable power demand requirements respectively for standby or networked standby mode when no input is detected by any input source for over 10 seconds and, for digital interactive whiteboards and for broadcast displays, for over 60 minutes.                                                                                    |                         | P   |

|  |                                                                                                                   |  |   |
|--|-------------------------------------------------------------------------------------------------------------------|--|---|
|  | Before triggering such a switch, a warning message shall be displayed and the switch completed within 10 minutes. |  | P |
|--|-------------------------------------------------------------------------------------------------------------------|--|---|

| Clause | ANNEX II D:MATERIAL EFFICIENCY REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Result -Remark | Verdict |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|
| D.1    | Design for dismantling, recycling and recovery:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | P       |
| D.2    | Plastic components heavier than 50 g:<br>(a) Shall be marked by specifying the type of polymer with the appropriate standard symbols or abbreviated terms set between the punctuation marks '>' and '<' as specified in available standards. The marking shall be legible.                                                                                                                                                                                                                                                                         |                | P       |
| D.3    | Electronic displays with a screen panel in which concentration values of Cadmium (Cd) by weight in homogeneous materials exceed 0,01 % as defined in Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment, shall be labelled with the 'Cadmium inside' logo. The logo shall be clearly visible durable, legible and indelible. The logo shall be in the form of the following graphic:<br> |                | P       |
| D.4    | Halogenated flame retardants                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | P       |
| D.5    | Design for repair and reuse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | P       |

| Clause | ANNEX II E:INFORMATION AVAILABILITY REQUIREMENTS | Result -Remark | Verdict |
|--------|--------------------------------------------------|----------------|---------|
| E.1    | Availability of software and firmware updates    |                | P       |

## (EU) 2019/2013 Test and verification results:

### Method for calculating the Energy Efficiency Index Annex II:

| Clause                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Result - Remark                                                                                     |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------|------------|-----|---------|-----|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1                       | A:The viewing surface area in dm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 153.07                                                                                              |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| 2                       | P <sub>measured</sub> :The measured power in on mode in Watts in the normal configuration and set as indicated in Table 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| 3                       | <div>Correction factor set as indicated in Table 3.</div> <div><div>Table 3</div><div>corr<sub>i</sub> value</div><table><tr><th>Electronic Display type</th><th>corr<sub>i</sub> value</th></tr><tr><td>Television</td><td>0,0</td></tr><tr><td>Monitor</td><td>0,0</td></tr><tr><td>Digital signage</td><td>0,00062*(lum-500)*A<br/><small>where 'lum' is the peak white luminance, in cd/m<sup>2</sup>, of the brightest on mode configuration of the electronic display and A is the screen area in dm<sup>2</sup></small></td></tr></table></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Electronic Display type                                                                             | corr <sub>i</sub> value | Television | 0,0 | Monitor | 0,0 | Digital signage | 0,00062*(lum-500)*A<br><small>where 'lum' is the peak white luminance, in cd/m<sup>2</sup>, of the brightest on mode configuration of the electronic display and A is the screen area in dm<sup>2</sup></small> | 2.162848486 |
| Electronic Display type | corr <sub>i</sub> value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| Television              | 0,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| Monitor                 | 0,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| Digital signage         | 0,00062*(lum-500)*A<br><small>where 'lum' is the peak white luminance, in cd/m<sup>2</sup>, of the brightest on mode configuration of the electronic display and A is the screen area in dm<sup>2</sup></small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| 4                       | <div>Energy Efficiency Index (EEI<sub>label</sub>):</div> <div><math display="block">EEI_{label} = \frac{(P_{measured} + 1)}{(3 \times [90 \times \tanh(0,025 + 0,0035 \times (A - 11)) + 4] + 3) + corr_i}</math></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <div>EEI<sub>label</sub>:0.900</div> <div>Declared value</div> <div>EEI<sub>label</sub>:1.001</div> |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |
| 5                       | <div>Electronic displays with automatic brightness control (ABC) shall qualify for a 10 % reduction in P<sub>measured</sub> if they meet all of the following requirements:</div> <div>a . ABC is enabled in the normal configuration of the electronic display and persists in any other standard dynamic range configuration available to the end user;</div> <div>b . the value of P<sub>measured</sub>, in the normal configuration, is measured, with ABC disabled or if ABC cannot be disabled, in an ambient light condition of 100 lux measured at the ABC sensor;</div> <div>c . if applicable, the value of P<sub>measured</sub> with ABC disabled shall be equal to or greater than the on mode power measured with ABC enabled in an ambient light condition of 100 lux measured at the ABC sensor;</div> <div>d . with ABC enabled, the measured value of the on mode power must decrease by 20 % or more when the ambient light condition, measured at the ABC sensor, is reduced from 100 lux to 12 lux;</div> <div>e . the ABC control of the display screen luminance meets all of the following characteristics when the ambient light condition measured at the ABC sensor changes:</div> | --                                                                                                  |                         |            |     |         |     |                 |                                                                                                                                                                                                                 |             |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <ul style="list-style-type: none"><li>-- the measured screen luminance at 60 lux is between 65 % and 95 % of the screen luminance measured at 100 lux;</li><li>-- the measured screen luminance at 35 lux is between 50 % and 80 % of the screen luminance measured at 100 lux;</li><li>-- the measured screen luminance at 12 lux is between 35 % and 70 % of the screen luminance measured at 100 lux.</li></ul> |  |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

## Energy efficiency class, Annex I:

The energy efficiency class of the apparatus shall be determined on the basis of its EEI as set out in Table 1 as following:

Table 1  
Energy efficiency classes of electronic displays

| Energy Efficiency Class | Energy Efficiency Index ( $EEI_{label}$ ) |
|-------------------------|-------------------------------------------|
| A                       | $EEI_{label} < 0,30$                      |
| B                       | $0,30 \leq EEI_{label} < 0,40$            |
| C                       | $0,40 \leq EEI_{label} < 0,50$            |
| D                       | $0,50 \leq EEI_{label} < 0,60$            |
| E                       | $0,60 \leq EEI_{label} < 0,75$            |
| F                       | $0,75 \leq EEI_{label} < 0,90$            |
| G                       | $0,90 \leq EEI_{label}$                   |

| Pmeasured<br>SDR                   | Pmeasured<br>HDR | Screen<br>diagonal | EEI <sub>label</sub> (SDR) | EEI <sub>label</sub> (HDR) | EEI Energy<br>Efficiency<br>Class(SDR) | Energy<br>Efficiency<br>Class(HDR) |
|------------------------------------|------------------|--------------------|----------------------------|----------------------------|----------------------------------------|------------------------------------|
| <b>Laboratory test value</b>       |                  |                    |                            |                            |                                        |                                    |
| 130.76                             | 123.46           | 75                 | 0.900                      | 0.849                      | G                                      | F                                  |
| <b>Manufacturer declared value</b> |                  |                    |                            |                            |                                        |                                    |
| 145.00                             | 131.00           | 75                 | 1.001                      | 0.905                      | G                                      | G                                  |

**Photo documentation:**



**Photo 1**



**Photo 2**

**Table 4 product information sheet**

| No | Information                                                                                                                 | Value and precision     | Unit            |
|----|-----------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------|
| 1  | Supplier's name or trade mark                                                                                               | NEC                     | /               |
| 2  | Supplier's model identifier                                                                                                 | M751                    | /               |
| 3  | Energy efficiency class for standard<br>Dynamic Range(SDR)                                                                  | G                       | /               |
| 4  | On mode power demand for standard<br>Dynamic Range(SDR)                                                                     | 145.0                   | W               |
| 5  | Energy efficiency class<br>(HDR)                                                                                            | G                       | /               |
| 6  | On mode power demand in High Dynamic<br>Range(HDR)mode                                                                      | 131.0                   | W               |
| 7  | Off mode,power demand,if applicable                                                                                         | ≤0.3                    | W               |
| 8  | Standby mode power demand,if applicable                                                                                     | ≤0.5                    | W               |
| 9  | Networked standby mode power demand,if applicable                                                                           | ≤2.0                    | W               |
| 10 | Electronic display category                                                                                                 | Digital signage display | /               |
| 11 | Size ratio                                                                                                                  | 16:9                    | /               |
| 12 | Screen resolution                                                                                                           | 3840*2160               | /               |
| 13 | Screen diagonal                                                                                                             | 189.0                   | cm              |
| 14 | Screen diagonal                                                                                                             | 75                      | inches          |
| 15 | Visible screen area                                                                                                         | 153.07                  | dm <sup>2</sup> |
| 16 | Panel technology used                                                                                                       | TFT LCD                 | /               |
| 17 | Automatic Brightness Control(ABC)available                                                                                  | Yes                     | /               |
| 18 | Voice recognition sensor available                                                                                          | No                      | /               |
| 19 | Room presence sensor available                                                                                              | No                      | /               |
| 20 | Image refresh frequency rate                                                                                                | 60                      | Hz              |
| 21 | Minimum guaranteed availability of software and firmware<br>updates(from the date of end of the placement on the<br>market) | 8                       | Years           |
| 22 | Minimum guaranteed availability of spare parts(from the<br>date of end of the placement on the market)                      | 7                       | Years           |
| 23 | Minimum guaranteed product support                                                                                          | 8                       | Years           |
|    | Minimum duration of the general guarantee offered by the<br>supplier                                                        | 8                       | Years           |

**For On-mode**

|                                                      |                                                                                                                                                                                                                                                                                                                         |        |                   |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------|
| 24                                                   | Peak white luminance of the brightest on mode configuration                                                                                                                                                                                                                                                             | 522.79 | cd/m <sup>2</sup> |
| 25                                                   | Peak white luminance of the normal configuration                                                                                                                                                                                                                                                                        | 415.96 | cd/m <sup>2</sup> |
| 26                                                   | Peak white luminance ratio (calculated as value of "Peak white luminance of the normal configuration" divided by value of "Peak white luminance of the brightest on mode configuration" multiplied by 100)                                                                                                              | 79.56  | %                 |
| <b>For Auto Power Down(APD)</b>                      |                                                                                                                                                                                                                                                                                                                         |        |                   |
| 27                                                   | Length of time in on mode before the electronic display automatically switches to standby, off mode, or another condition which does not exceed the applicable power demand requirements for off mode or standby mode.                                                                                                  | 1:00   | mm:ss             |
| 28                                                   | For televisions: the length of time, following the last user interaction, before the television automatically switches to standby, off- mode, or another condition which does not exceed the applicable power consumption requirements for off-mode or standby- mode;                                                   | N/A    | mm:ss             |
| 29                                                   | For televisions equipped with room presence sensor: the length of time, when no presence is detected, before the television automatically switches to standby, off- mode, or another condition which does not exceed the applicable power demand requirements for off mode or standby mode;                             | N/A    | mm:ss             |
| 30                                                   | For electronic displays other than televisions and broadcast displays: the length of time, when no input is detected, before the electronic display automatically switches to standby, off-mode, or another condition which does not exceed the applicable power consumption requirements for off mode or standby mode; | 1:00   | mm:ss             |
| <b>For ABC If available and activated by default</b> |                                                                                                                                                                                                                                                                                                                         |        |                   |
| 31                                                   | Percentage of power reduction due to ABC action between the 100 lux and 12 lux ambient light conditions.                                                                                                                                                                                                                | N/A    | %                 |
| 32                                                   | On mode power at 100 lux ambient light at the ABC sensor                                                                                                                                                                                                                                                                | N/A    | W                 |
| 33                                                   | On mode power at 12 lux ambient light at the ABC sensor                                                                                                                                                                                                                                                                 | N/A    | W                 |
| 34                                                   | Screen luminance at 100 lux ambient light at the ABC sensor                                                                                                                                                                                                                                                             | N/A    | cd/m <sup>2</sup> |
| 35                                                   | Screen luminance at 60 lux ambient light at the ABC sensor                                                                                                                                                                                                                                                              | N/A    | cd/m <sup>2</sup> |
| 36                                                   | Screen luminance at 35 lux ambient light at the ABC sensor                                                                                                                                                                                                                                                              | N/A    | cd/m <sup>2</sup> |
| 37                                                   | Screen luminance at 12 lux ambient light at the ABC sensor                                                                                                                                                                                                                                                              | N/A    | cd/m <sup>2</sup> |

| For Power Supply |                                   |          |   |
|------------------|-----------------------------------|----------|---|
| 38               | Power supply type                 | Internal | / |
| 39               | Standard references (if relevant) | N/A      | / |
| 40               | Input voltage                     | 230.0    | V |
| 41               | Output voltage                    | --       | V |
| 42               | Input current (max)               | --       | A |
| 43               | Output current (min)              | --       | A |

## Equipments used for measurement

| Test Equipments List             |                   |          |              |           |           |
|----------------------------------|-------------------|----------|--------------|-----------|-----------|
| Equipment Name                   | Manufacturer      | Model #  | Reg. No.     | Cal. Date | Next Cal. |
| Digital Power Meter              | YOKOGAWA          | WT310    | EST-S015-016 | 2022/5/21 | 2023/5/20 |
| Luminance Meter                  | KONICA<br>MINOLTA | LS-100   | EST-S028-002 | 2022/5/26 | 2023/5/25 |
| Illuminance meter                | TESTO             | testo540 | EST-S030-001 | 2022/5/26 | 2023/5/25 |
| Temperature-Humidity<br>Recorder | KTJ               | TA218    | EST-S019-001 | 2022/5/24 | 2023/5/23 |
| Digital Multimeter               | FLUKE             | Fluke17B | EST-S001-001 | 2022/5/21 | 2023/5/20 |
| Meter ruler                      | Jieyang rongshen  | 7.5m     | EST-S110-001 | 2022/5/25 | 2023/5/24 |

-----End of Report-----