



Apple REACH SVHC Disclosure

The Registration, Evaluation, Authorization and Restriction of Chemicals Regulation EC 1907/2006, commonly referred to as REACH, is a European regulation on chemicals and their safe use. With the publication of candidate lists for authorization, the European Chemicals Agency identifies sets of substances of very high concern (SVHC) that manufacturers must disclose to customers if used in articles in their products above 0.1% by weight.

Based on the current version of the candidate list for authorization, Apple products contain the following SVHCs above the disclosure threshold:

SVHC	CAS Number	Application	Products
1,3-propanesultone	1120-71-4	Lithium-Ion batteries	iPhone, iPad, MacBook Air, MacBook Pro, Apple Watch, AirPods, Beats wireless headphones and speakers, iPod, Magic Mouse, Magic Trackpad, Magic Keyboard, iPhone Smart Battery Case, Apple Pencil, Apple TV Remote
1,2-dimethoxyethane	110-71-4	Coin cell batteries	iMac, Mac Pro, Mac mini, AirTag
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	Fabric sleeve, display films	Beddit Sleep Monitor, MacBook Air, MacBook Pro, iMac
Lead	7439-92-1	Metal alloys (internal mechanical parts)* and high-temperature solder (inside internal electrical components)*	iPhone, iPad, MacBook Air, MacBook Pro, iMac, Mac Pro, Apple Watch, AirPods, Beats wireless headphones and speakers, HomePod, Magic Mouse, Magic Trackpad, Apple Pencil, Adapters, Cables, AirTag
Lead titanium zirconium oxide	12626-81-2	Hard disk drive shock sensor	iMac with HDD or Fusion Drive
Potassium perfluorobutane sulfonate (PFBS)	29420-49-3	Insulating plastic material	Magic Keyboard, MacBook Pro, MacBook Air, Pro Display XDR, iMac, Power Adapters, Mac Pro

*Application exempted from EU RoHS requirement

The SVHCs used in these products do not pose a safety risk to customers under normal use conditions. Please visit the Apple Recycling Programs page for more information on recycling and trade-in options in your region.

As of January 2023 Apple products containing SVHCs above the disclosure threshold of 0.1% by weight in articles are submitted to ECHA's SCIP database. Information about Apple products that contain a REACH Candidate List substance > 0.1% in any article is publicly available on the SCIP database at <https://echa.europa.eu/scip>.



Dichiarazione di conformità UE

Costruttore: **Nome:** Apple Inc.
Indirizzo: One Apple Park Way
Cupertino, California 95014, USA

Attrezzatura: **Numero di modello:** A2602
Software: iOS
Tipo di prodotto: Tablet Computer
Accessori forniti: Power adapter and charging cable

L'azienda, Apple Inc, dichiara, sotto la propria esclusiva responsabilità, che il prodotto di cui sopra è conforme a quanto previsto dalle seguenti direttive:

Direttive: 2014/53/UE
2011/65/EU as amended by 2015/863/EU
2009/125/CE

Procedura di valutazione della conformità:

La procedura di valutazione della conformità di cui all'allegato II è stata applicata.

Sono stati rispettati i seguenti standard:

Articolo 3.1a: **Sicurezza e salute**
EN 50566:2017
IEC 62368-1: 2018 [2020+A11:2020]

Articolo 3.1b: **EMC**
EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 55035:2017

Articolo 3.2: **Efficienza dello spettro delle radiofrequenze**
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 300 440 V2.1.1

Valutazioni di conformità aggiuntive:

RoHS: EN IEC 63000:2018
Energia: Regolamento 1275/2008

Firmato a nome e per conto di: **Apple Inc**

Luogo: Cork **Data:** 01 settembre 2021

Nome: **Ruolo:** **Firma:**

Stuart Thomas Engineering Manager

SD Thomas

John Reynolds

Product Compliance Manager

A handwritten signature in black ink that reads "John Reynolds". The signature is written in a cursive style with a large, stylized 'J' and 'R'.



Dichiarazione di conformità UE

Costruttore: **Nome:** Apple Inc.
Indirizzo: One Apple Park Way
Cupertino, California 95014, USA

Attrezzatura:

Numero di modello: A2759
Software: iOS
Tipo di prodotto: Tablet Computer
***Accessori forniti:** Power adapter and charging cable
*Non coperti dal numero di certificato definito.

L'azienda, Apple Inc, dichiara, sotto la propria esclusiva responsabilità, che il prodotto di cui sopra è conforme a quanto previsto dalle seguenti direttive:

Direttive: 2014/53/UE
2011/65/EU as amended by 2015/863/EU
2009/125/CE

Procedura di valutazione della conformità: **Numero del certificato:** AN22C12970-1

The conformity assessment procedure as detailed in Annex III has been applied with the involvement of a notified body for the assessment against Articles; 3.1a, 3.1b, 3.2 and 3.3. Notified Body Name: UL Verification Services Ltd; Number: 0984.

Sono stati rispettati i seguenti standard:

Articolo 3.1a: **Sicurezza e salute**
IEC 62368-1: 2018 [2020+A11:2020]
EN 50665:2017
EN 50566:2017

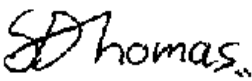
Articolo 3.1b: **EMC**
EN 301 489-1 V2.2.3
EN 301 489-3 V2.2.0 [DRAFT]
EN 301 489-17 V3.2.4
EN 55032:2015+A1:2020+A11:2020
EN 55035:2017+A11:2020

Articolo 3.2: **Efficienza dello spettro delle radiofrequenze**
EN 300 328 V2.2.2
EN 301 893 V2.1.1
EN 300 440 V2.2.1
EN 300 330 V2.1.1
EN 303 687 V1.0.0 [DRAFT]

Valutazioni di conformità aggiuntive:
RoHS: EN IEC 63000:2018
Energia: Regolamento 1275/2008, EN 50564:2011, IEC 62301:2011

Firmato a nome e per conto di: Apple Inc

Luogo: London Data: 11 ottobre 2022

Nome:	Ruolo:	Firma:
Stuart Thomas	Senior Engineering Manager	
Frank Kiernan	Product Compliance Manager	



Dichiarazione di conformità UE

Costruttore: **Nome:** Apple Inc.
Indirizzo: One Apple Park Way
Cupertino, California 95014, USA

Attrezzatura:

Numero di modello: A2337
Software: OS x
Tipo di prodotto: Laptop Computer
Accessori forniti: Power adapter and cable

L'azienda, Apple Inc, dichiara, sotto la propria esclusiva responsabilità, che il prodotto di cui sopra è conforme a quanto previsto dalle seguenti direttive:

Direttive: 2014/53/UE
2011/65/UE
2009/125/CE

Procedura di valutazione della conformità:

La procedura di valutazione della conformità di cui all'allegato II è stata applicata.

Sono stati rispettati i seguenti standard:

Articolo 3.1a: **Sicurezza e salute**
EN 60950-1:2006+A1:2010+A11:2009+A12:2011+A2:2013
IEC 62368-1: 2018 [2020+A11:2020]
EN 50566:2017

Articolo 3.1b: **EMC**
EN 301 489-1 V2.2.0
EN 301 489-17 V3.2.0

Articolo 3.2: **Efficienza dello spettro delle radiofrequenze**

Frequenza:	Potenza:	
2.400 - 2.4835 GHz	< 100mW	EN 300 328 V2.2.2
5.150 - 5.350 / 5.470 - 5.725 GHz	< 200mW	EN 301 893 V2.1.1
5.725 - 5.875 GHz	< 25mW	EN 300 440 V2.1.1

Valutazioni di conformità aggiuntive:

RoHS: EN IEC 63000:2018
Energia: Regolamento 1275/2008

Firmato a nome e per conto di: **Apple Inc**

Luogo: London **Data:** 02 novembre 2020

Nome: **Ruolo:** **Firma:**

Stuart Thomas

Engineering Manager

SD Thomas

John Reynolds

Product Compliance Manager

A handwritten signature in black ink that reads "John Reynolds". The signature is written in a cursive style with a large, stylized 'J' and 'R'.



ENERGY STAR CERTIFIED

Imaging Equipment

Brother - MFC-J6940DW : MFC-J6940DW

Specifications

ENERGY STAR Unique ID:	2382050
Remanufactured Product:	No
Brand Name:	Brother
Model Name:	MFC-J6940DW
Model Number:	MFC-J6940DW
Type:	Multifunction Devices (MFD)
Intended Use:	Consumer
Condition:	New
Marking Technology:	Ink Jet (IJ)
Professional Imaging Product:	No
Color Capability:	Color
Print Speed (ipm or mppm):	35
Page Format Size:	Standard
Automatic Duplex Output Capable:	Yes
Power in Sleep (Watts):	1.02
Power in Off (Watts):	0.01
Markets:	United States, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

UPC Codes	012502666295
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Captured On:
06/07/2023

EU REACH “Candidate List” substances in articles

Duty to communicate information on substances in articles due to Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REACH Article 33 (1) obliges suppliers of articles to inform the recipient of such articles with sufficient information, available to the supplier, to allow safe use of the articles. This obligation includes, as a minimum, the provision of the names of any “Substance of Very High Concern” (SVHC) listed in the candidate list^{1,2} and which is contained in articles in a concentration above 0.1% weight by weight.

In order to fulfil this duty and be able to check if substances from the candidate list^{1,2} are contained in articles or their packaging in concentrations above 0.1% weight by weight, Sony requests this information from its suppliers.

In the following table we can provide product group specific information in relation to the candidate list^{1,2} substances in Sony products placed on the European market:

	Currently available information on Substances of Very High Concern (SVHC) identified in the REACH Candidate List ^{1,2}
Broadcast, Business and Professional Products e.g. Broadcast & Pro. A / V, Projectors, Public Displays, Video Security, Industrial Cameras, Video Conferencing, Digital Photography, Medical, IT Storage, Manufacturing Solutions	DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts. DHNUP may be contained in optical composite cables for professional video cameras. EGDME may be contained in the lithium battery ³ . Lead titanium trioxide may be contained in vacuum fluorescent display.
TV and Home Projectors VAIO® Computing Digital Imaging Digital cameras, camcorders, photo frames, printers, e-books	DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts. EGDME may be contained in the lithium battery ³ , Lead titanium trioxide may be contained in vacuum fluorescent display.
Audio Home, car, mobile, headphones	
Video Blu-ray Disc, DVD, Home Cinema	
Accessories e.g. Camcorder accessories, Personal audio accessories, DVD writers, PC peripherals	
External Drive 2.5" External HD Drive, AIT Drive	DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts. EGDME may be contained in the lithium battery ³ . Lead titanium trioxide may be contained in vacuum fluorescent display.
PlayStation®	
Internal Drive Separately sold internal bulk DVD/Blu-ray Drive, AIT Drive	DEHP, DBP, BBP, Dihexyl phthalate may be contained in cables, rubber parts, small plastic parts.

¹ Meeting the criteria in Article 57 and identified in accordance with Article 59 (1) of Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in a concentration above 0.1% weight by weight - as published 28th October 2008 and amended on 13 January 2010, 30 March 2010, 18 June 2010, 15 December 2010, 20 June 2011, 19 December 2011, 18 June 2012, 19 December 2012, 20 June 2013, 16 December 2013, 16 June 2014, 17 December 2014, 15 June 2015, 17 December 2015, 20 June 2016, 12 January 2017, 7 July 2017, 15 January 2018, 27 June 2018, 15 January 2019, 16 July 2019, 16 January 2020, 25 June 2020, 19 January 2021, 8 July 2021, 17 January 2022 and 10 June 2022. See webpage of the European Chemicals Agency (ECHA): <http://echa.europa.eu/>.

² Some components within the product may use application(s) exempted regarding the use of lead, from the Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast) (RoHS II Directive).

³ EGDME is not contained in lithium ion battery or lithium ion polymer battery in concentration above 0.1%.

Recording Media Tape, disc (Blu-ray Disc, DVD, CD, MFD)	No SVHC identified in the REACH Candidate List exceeding 0.1% weight by weight per article are contained.
Memory Device Memory Stick, SD, USB FD	
Print Media	
Batteries	EGDME may be contained in the lithium battery ³ .
Xperia™ smartphones and tablets	1,3-Propanesultone may be contained in the lithium ion polymer battery.

DEHP: Bis(2-ethylhexyl) phthalate, Di(ethylhexyl) phthalate,
CAS No. 117-81-7; EC No. 204-211-0

DBP: Dibutyl phthalate
CAS No. 84-74-2; EC No. 201-557-4

BBP: Benzyl butyl phthalate
CAS No. 85-68-7; EC No. 201-622-7

Dihexyl phthalate:
CAS No. 84-75-3; EC No. 201-559-5

EGDME: 1,2-dimethoxyethane, ethylene glycol dimethylether;
CAS No. 110-71-4; EC No. 203-794-9

DHNUP: 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters;
CAS No. 68515-42-4; EC No. 271-084-6

Lead: CAS No. 7439-92-1; EC No 231-100-4

Lead titanium trioxide: CAS No. 12060-00-3; EC No. 235-038-9

1,3-Propanesultone: CAS No. 1120-71-4; EC No. 214-317-9

DBMC: 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol,
CAS No. 119-47-1; EC No. 204-327-1

Aside from our obligations in respect of REACH, Sony as a responsible company also cares about the impact of its operations and products. You can read more about this in our Sustainability report:

http://www.sony.net/SonyInfo/csr_report/environment/.

Sony's approach about the use of chemicals in its role as a consumer electronics company is highlighted by "Sony's Management of Chemical Substances in Products". Since 2002 Sony has had this effective substance management system in place to ensure compliance with legal substance restrictions for products. The principle of the system is that Sony's suppliers are audited periodically to confirm whether Sony's Green Partner requirements, including the Sony Standard "SS-00259", are being followed. The Sony Standard SS-00259 for general use can be found at: <http://www.sony.net/SonyInfo/procurementinfo/ss00259/index.html>. Sony purchases parts and materials only from suppliers who have passed the Green Partner requirements and consequently have been certified as Sony Green Partners.

Further information on Sony's Management of Chemical Substances in Products can be found online at https://www.sony.com/en/SonyInfo/csr/library/reports/SustainabilityReport2021_E.pdf#page=143 as well as in our Sustainability report.

EU DECLARATION OF CONFORMITY

Model Name: ILCE-6400

2014/53/EU, Radio Equipment
2011/65/EU, RoHS

EU DECLARATION OF CONFORMITY

1. Model No.:
ILCE-6400
2. Name and address of the manufacturer's authorised representative:
Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium
3. This declaration of conformity is issued under the sole responsibility of the manufacturer:
Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan
4. Object of the declaration:
Interchangeable Lens Digital Camera
5. The object of the declaration described above is in conformity with:
2014/53/EU, Radio Equipment
6. Where applicable, references to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared:
EN 62368-1:2014, EN 50566:2013, EN 55032:2015, EN 55024:2010 + A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, Draft ETSI EN 301 489-17:2017 (V3.2.0), Draft ETSI EN 301 489-1:2017 (V2.2.0), Final draft ETSI EN 301 489-3:2017 (V2.1.1), EN 300328:2016 (V2.1.1), EN 300330:2017 (V2.1.1)
7. Where applicable, the notified body (name and number), description of intervention and certificate
-
8. Where applicable, description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:
-
9. Additional information:
-

Signed for and on behalf of: **Sony Belgium, bijkantoor van Sony Europe Limited**

Zaventem, 2019-01-23



Kris De Pauw
Director
Branch Manager

EU DECLARATION OF CONFORMITY

1. Model No.:

ILCE-6400

2. Name and address of the manufacturer's authorised representative:

Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium

3. This declaration of conformity is issued under the sole responsibility of the manufacturer:

Sony Corporation

1-7-1 Konan, Minato-ku, Tokyo

108-0075 Japan

4. Object of the declaration:

Interchangeable Lens Digital Camera

5. The object of the declaration described above is in conformity with:

2011/65/EU, RoHS

6. Where applicable, references to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared:

EN 50581:2012

7. Additional information:

-

Signed for and on behalf of: **Sony Belgium, bijkantoor van Sony Europe Limited**

Zaventem, 2019-01-23



Kris De Pauw
Director
Branch Manager

Български (bg)
ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ С ИЗИСКВАНИЯТА НА ЕС

1. Модел Nr.....
2. Име и адрес на упълномощения представител на производителя:....
3. За настоящата декларация за съответствие отговорност носи единствено производителят:....
4. Предмет на декларацията
5. Предметът на декларацията, който е описан по-горе, е в съответствие с:...
6. *[в 2011/65/EU(RoHS), 2009/125/EC Ecodesign]]*
Когато е приложимо се използва позоваване на съответните хармонизирани стандарти или препратки към техническите спецификации, по отношение на които се декларира съответствието:....
[в други Директиви]
Използва се позоваване на съответните хармонизирани стандарти или препратки към техническите спецификации, по отношение на които се декларира съответствието:....
7. *[в 2014/30/EU(EMC), 2014/53/EU(RED) декларации]*
Когато е приложимо, име и номер на нотифициран орган, описание на завершено то и:....
[в други Директиви]
Допълнителна информация:....
[в 2014/30/EU(EMC) декларации]
Допълнителна информация:....
[в 2014/53/EU(RED) декларации]
Когато е приложимо, описание на аксесоари и компоненти, включително софтуер, които позволяват на радиоустройството да работи по предназначение:....
[в 2014/53/EU(RED) декларации]
Допълнителна информация:....
Потпис за и от името на:....
(место и дата на издаване):....
(име, длъжност) (потпис):....

Чешна (cs)
ROHĽAŠENÍ O SHODĚ

1. Model č.:
2. Jméno a adresa výrobce nebo jeho zmocněného zástupce:
3. Toto prohlášení o shodě vydal na vlastní odpovědnost výrobce:
4. Předmět prohlášení:
5. Vyše popsaný předmět prohlášení je ve shodě s:
6. Kde je to vhodné, odkazy na příslušné harmonizované normy, které byly použity nebo odkazy na technické specifikace, na jejichž základě se shoda prohlašuje: ...
7. *[v jiných směrnicih]*
Odkazy na příslušné harmonizované normy, které byly použity nebo odkazy na technické specifikace, na jejichž základě se shoda prohlašuje: ...
8. *[v 2014/30 / EU (EMC) 2014/53 / EU (RED)]*
Kde je to vhodné, oznámení jména subjektu číslo, popis intervence a osvědčení: ...
9. *[v jiných směrnicih]*
Dodatečné informace: ...
10. *[v 2014/30 / EU (EMC)]*
Dodatečné informace: ...
11. *[v 2014/53 / EU (červená)]*
Kde je to vhodné, popis příslušenství a komponentů, včetně softwaru, které umožňují radiovému zařízení fungovat, jak bylo zamýšleno: ...
12. *[v 2014/53 / EU (červená)]*
Dodatečné informace: ...
13. *[v 2014/53 / EU (červená)]*
Podpis za a jménem: ...
14. *[v 2014/53 / EU (červená)]*
(místo a datum vydání): ...
15. *[v 2014/53 / EU (červená)]*
(jméno, funkce) (podpis): ...

Dánsk (da)
OVERENSSTEMMELSESEKYLÆRING

1. Model Nr.....
2. Navn og adresse på fabrikantens bemyndigede repræsentant:...
3. Denne overensstemmelseserklæring udstedes på fabrikantens ansvar:...
4. Erklæringens genstand
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Deutsch (de)
EU-KONFORMITÄTSERKLÄRUNG

1. Modell Nr.:
2. Name und Anschrift des Bevollmächtigten des Herstellers:...
3. Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller:....
4. Gegenstand der Erklärung:...
5. Der oben beschriebene Gegenstand der Erklärung erfüllt die Vorschriften der:...
6. *[in Konformitätserklärungen nach 2011/65/EU(RoHS), 2009/125/EC(Ecodesign)]*
Gegebenenfalls Angabe der einschlägigen harmonisierten Normen, die zugrunde gelegt wurden, oder Angabe der technischen Spezifikationen, für die die Konformität erklärt wird:...
7. *[in Konformitätserklärungen nach 2014/30/EU(EMC), 2014/53/EU(RED)]*
Gegebenenfalls Namen und Nummer der notifizierten Stelle, Beschreibung ihrer Mitwirkung und Bescheinigung:....
[in Konformitätserklärungen nach anderen Richtlinien]
Angabe der einschlägigen harmonisierten Normen, die zugrunde gelegt wurden, oder Angabe der technischen Spezifikationen, für die die Konformität erklärt wird:....
8. *[in Konformitätserklärungen nach 2014/30/EU(EMC), 2014/53/EU(RED)]*
Gegebenenfalls Namen und Nummer der notifizierten Stelle, Beschreibung ihrer Mitwirkung und Bescheinigung:....
[in Konformitätserklärungen nach anderen Richtlinien]
Zusatzangaben:....
9. *[in Konformitätserklärungen nach 2014/30/EU(EMC), 2014/53/EU(RED)]*
Gegebenenfalls Beschreibung des Zubehörs und der Bestandteile, einschließlich Software, die den bestimmungsgemäßen Betrieb der Funkanlagen ermöglichen:....
10. *[in Konformitätserklärungen nach 2014/53/EU(RED)]*
Zusatzangaben:....
11. Unterzeichnet für und im Namen von:....
(Ort und Datum der Ausstellung):....
(Name, Funktion) (Unterschrift):....

Eesti keel (et)
ELU VASTAVUSDEKLARATSIOON

1. Tootenumber:...
2. Tootja volitatud esindaja nimi ja aadress:
3. Käesolev vastavusdeklaratsioon on välja antud valmistaja ainuvastutuseel:...
4. Deklareeritav ese :...
5. Eespool kirjeldatud deklareeritav ese on kooskõlas
6. *[Kooskõlas 2011/65/ES (RoHS), 2009/125/EK (energiatehõhus) direktiividega]*
Vajaduse korral viited kasutatud asjakohastele ühtlustatud standarditele või viited tehnilistele spetsifikatsioonidele, millega seoses vastavust kinnitatakse:...
7. *[Kooskõlas teiste direktiividega]*
Vajaduse korral viited kasutatud asjakohastele ühtlustatud standarditele või viited tehnilistele spetsifikatsioonidele, millega seoses vastavust kinnitatakse:...
8. *[Kooskõlas 2014/30/ES (EMC), 2014/53/ES (RID) direktiividega]*
Vajaduse korral volitatud asutuse nimetus ja number, teostatud toiminguid kirjeldus ja sertifikaat:...
9. *[Kooskõlas teiste direktiividega]*
Lisateave:...
10. *[Kooskõlas 2014/30/ES (EMC) direktiiviga]*
Lisateave:...
11. *[Kooskõlas 2014/53/ES (RID) direktiiviga]*
Vajaduse korral tarvikute ja komponentide, sh tarkvara, mis võimaldavad raadioseadmelistikul õigesti töötada, kirjeldus:...
12. *[Kooskõlas 2014/53/ES (RID) direktiiviga]*
Lisateave:...
13. (Kelle nimel ja poolt) alla kirjutatud:....
(väljaandmise koht ja kuupäev):....
(nimi, ametinimetus) (allkiri):....

Ελληνικά (el)
ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ

1. Αριθμός Μοντέλου:
2. Όνομα και διεύθυνση του εξουσιοδοτημένου αντιπροσώπου του κατασκευαστή:
3. Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή:...
4. Αντικείμενο της δήλωσης:...
5. Το ανωτέρω περιγραφόμενο αντικείμενο της δήλωσης είναι σύμφωνα με:....
6. *[Στην 2011/65/EU(RoHS), 2009/125/EC(Eco design)Δήλωση]*
Κατά περίπτωση, μνεία των σχετικών εναρμονισμένων προτύπων που χρησιμοποιήθηκαν ή των τεχνικών προδιαγραφών με βάση τις οποίες δηλώνεται η συμμόρφωση:....
[Σε άλλες οδηγίες]
Αναφορές στα σχετικά εναρμονισμένα πρότυπα που χρησιμοποιούνται ή αναφορές στις λοιπές τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση:....
7. *[Στην 2014/30/EU(EMC), 2014/53/EU(RED) Δήλωση]*
Όπου έχει εφαρμογή, περιγραφή των παρελκόμενων και εξοπλισμών, συμπεριλαμβανομένου του λογισμικού, που επιτρέπουν στον ραδιοεξοπλισμό να λειτουργεί όπως προβλέπεται:....
8. *[Στην 2014/30/EU(EMC) Δήλωση]*
Πρόσθετες πληροφορίες:....
[Στην 2014/53/EU(RED) Δήλωση]
Όπου έχει εφαρμογή, περιγραφή των παρελκόμενων και εξοπλισμών, συμπεριλαμβανομένου του λογισμικού, που επιτρέπουν στον ραδιοεξοπλισμό να λειτουργεί όπως προβλέπεται:....
9. *[Στην 2014/53/EU(RED) Δήλωση]*
Συμπληρωματικές πληροφορίες:....
Υπογραφή για λογαριασμό και εξ ονόματος:....
(τόπος και ημερομηνία έκδοσης):....
(όνομα, θέση) (υπογραφή):....

English (en)
EU DECLARATION OF CONFORMITY

1. Model No.:
2. Name and address of the manufacturer's authorised representative:...
3. This declaration of conformity is issued under the sole responsibility of the manufacturer:...
4. Object of the declaration:...
5. The object of the declaration described above is in conformity with:...
6. *[in 2011/65/EU(RoHS), 2009/125/EC(Ecodesign) Declarations]*
Where applicable, references to the relevant harmonised standards used or references to the technical specifications in relation to which conformity is declared:...
7. *[in 2014/30/EU(EMC), 2014/53/EU(RED) Declarations]*
Where applicable, notified body name and number, description of intervention and certificate:...
8. *[in 2014/30/EU(EMC) Declarations]*
Additional information:....
[in 2014/53/EU(RED) Declarations]
Where applicable, description of accessories and components, including software, which allow the radio equipment to operate as intended:...
9. *[in 2014/53/EU(RED) Declarations]*
Additional information:....
Signed for and on behalf of:....
(place and date of issue):....
(name, function) (signature):...

español (es)
DECLARACIÓN DE CONFORMIDAD UE

1. Nombre del Modelo:...
2. Nombre y dirección del representante autorizado del fabricante:...
3. Esta declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante:
4. Objeto de la declaración:...
5. El objeto de la declaración descrita anteriormente es conforme con:....
6. *[En las declaraciones de acuerdo a 2011/65/EU(RoHS), 2009/125/EC(Ecodesign)]*
Cuando proceda, las referencias a las normas armonizadas aplicadas o referencias a las especificaciones técnicas en relación con las cuales se declara la conformidad:....
[para otras directivas]
Referencias a las normas armonizadas aplicadas o referencias a las especificaciones técnicas en relación con las cuales se declara la conformidad:...
7. *[En las declaraciones de acuerdo a 2014/30/EU(EMC), 2014/53/EU(RED)]*
Cuando proceda, el nombre y número del organismo notificado y certificado:....
[para otras directivas]
Información adicional:....
8. *[En las declaraciones de acuerdo a 2014/30/EU(EMC)]*
Información adicional:....
[En las declaraciones de acuerdo a 2014/53/EU(RED)]
Cuando proceda, descripción de los accesorios y componentes, incluido el software, que permiten que el equipo radioeléctrico funcione como estaba previsto:....
9. *[En las declaraciones de acuerdo a 2014/53/EU(RED)]*
Información adicional:....
Firmado por y en nombre de:....
(lugar y fecha de emisión):....
(nombre, cargo) (firma):...

français (fr)
DECLARATION DE CONFORMITÉ de l'UE

1. Référence produit:...
2. Nom et adresse du mandataire agréé par le fabricant:
3. La présente déclaration de conformité est établie sous la seule responsabilité du fabricant:...
4. Objet de la déclaration:...
5. L'objet de la déclaration décrit ci-dessus est conforme à:
6. *[dans les déclarations 2011/65/EU(RoHS), 2009/125/EC(Ecodesign)]*
Le cas échéant, références aux normes harmonisées applicables ou aux spécifications techniques par rapport auxquelles la conformité est déclarée:....
[dans les autres Directives]
références aux normes harmonisées applicables ou aux spécifications techniques par rapport auxquelles la conformité est déclarée: ...
7. *[dans les déclarations 2014/30/EU(EMC), 2014/53/EU(RED)]*
Le cas échéant, nom de l'autorité notifiée et numéro, description de l'intervention et du certificat:....
[dans les autres Directives]
Informations complémentaires:....
[dans les déclarations 2014/30/EU(EMC)]
Informations complémentaires:....
[dans les déclarations 2014/53/EU(RED)]
Le cas échéant, description des accessoires et composants, logiciels inclus, permettant le bon fonctionnement de l'équipement radio:...
9. *[dans les déclarations 2014/53/EU(RED)]*
Informations complémentaires:....
Signé par et au nom de:....
(date et lieu d'établissement):....
(nom, fonction) (signature):...

hrvatski (hr)
EU IZJAVA O SUKLADNOSTI

1. Model br.:...
2. Ime i adresa ovlaštenog zastupnika proizvođača:...
3. Ova izjava o sukladnosti izdaje se na isključivu odgovornost proizvođača:...
4. Predmet izjave:...
5. Gore opisan predmet izjave u skladu je s:...
6. *[Izjave prema 2011/65/EU(RoHS), 2009/125/EC(Ecodesign)]*
Prema potrebi, upućivanje na odgovarajuće usklađene norme koje se upotrebljavaju ili upućivanje na druge tehničke specifikacije u odnosu na koje se deklarira sukladnost:....
[ostale direktive]
Upućivanje na odgovarajuće usklađene norme koje se upotrebljavaju ili upućivanje na druge tehničke specifikacije u odnosu na koje se deklarira sukladnost:...
7. *[Izjave prema 2014/30/EU(EMC), 2014/53/EU(RED)]*
Prema potrebi, naziv i broj prijavljenog tijela, opis intervencije i potvrda o ispitivanju:....
[ostale direktive]
Dodatne informacije:....
8. *[Izjave prema 2014/30/EU(EMC)]*
Dodatne informacije:....
[Izjave prema 2014/53/EU(RED)]
Prema potrebi, opis dodatne opreme i sastavnica, uključujući softver, koji omogućuju normalan rad radijske opreme:...
9. *[Izjave prema 2014/53/EU(RED)]*
Dodatne informacije:....
Potpisano za i u ime:....
(mjesto i datum izdavanja):....
(ime, funkcija) (potpis):...

italiano (it)
DICHIARAZIONE UE DI CONFORMITÀ

1. Modello n.:
2. Nome e Indirizzo del rappresentante autorizzato del fabbricante:...
3. La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante:...
4. Oggetto della dichiarazione:...
5. L'oggetto della dichiarazione di cui sopra è conforme alla:
6. *[nelle Dichiarazioni 2011/65/EU(RoHS), 2009/125/EC(Ecodesign)]*
Ove applicabile, i riferimenti alle pertinenti norme armonizzate utilizzate o i riferimenti alle specifiche tecniche in relazione alle quali è dichiarata la conformità:....
[in altre Direttive]
i riferimenti alle pertinenti norme armonizzate utilizzate o i riferimenti alle specifiche tecniche in relazione alle quali è dichiarata la conformità:...
7. *[nelle Dichiarazioni 2014/30/EU(EMC), 2014/53/EU(RED)]*
Ove applicabile, nome dell'ente notificato e numero, descrizione dell'intervento e certificato:....
[in altre Direttive]
Ulteriori informazioni:....
8. *[nella Dichiarazione 2014/30/EU(EMC)]*
Ulteriori informazioni:....
[nella Dichiarazione 2014/53/EU(RED)]
Ove applicabile, descrizione degli accessori e dei componenti, incluso il software, che permettono all'apparato radio di operare come previsto:....
9. *[nella Dichiarazione 2014/53/EU(RED)]*
Ulteriori informazioni:....
Firmato in vece e per conto di: ..
(luogo e data dell' rilascio):....
(nome e cognome, funzione) (firma):...

latviešu valoda (lv)
ES ATBILSTĪBAS DEKLARĀCIJA

1. Modeļa Nr.:
2. Ražotāja pilnvarotā pārstāvja nosaukums un adrese:...
3. Šī atbilstības deklarācija ir izdota vienīgi uz šāda ražotāja atbildību:...
4. Deklarācijas priekšmets:...
5. Iepriekš aprakstītais deklarācijas priekšmets ir saskaņā ar:
6. *[Saskaņā ar 2011/65/ES (RoHS), 2009/125/EK (energoefektivitāte) direktīvām]*
Kur attiecināms, norādes uz izmantotajiem atbilstošajiem harmonizētajiem standartiem vai norādes uz tehniskajiem raksturlielumiem, saistībā ar kuriem ir deklarēta atbilstība:...
7. *[Saskaņā ar 2014/30/ES (EMC), 2014/53/ES (RID) direktīvām]*
Kur attiecināms, pilnvarotās iestādes nosaukums un numurs, veiktais darbibas apraksts un sertifikāts:....
[Saskaņā ar citām direktīvām]
Papildu informācija:...
8. *[Saskaņā ar 2014/30/ES (EMC) direktīvu]*
Papildu informācija:....
[Saskaņā ar 2014/53/ES (RID) direktīvu]
Kur attiecināms, piederumu komponentu, ieskaitot programmatūru, kas ļauj radioekārtai darboties kā paredzēts, apraksts:...
9. *[Saskaņā ar 2014/53/ES (RID) direktīvu]*
Papildu informācija:....
Turpmāk norādītā vārda parakstīts:....
(izdošanas vieta un datums):....
(vārds, uzvārds, amats) (paraksts):...

litetuvių kalba (lt)
ES ATITIKTIES DEKLARACIJA
1. Modelio Nr.:...
2. Gamintojo įgaliojoto atstovo pavadinimas ir adresas:..
3. Ši atitikties deklaracija išduota tik gamintojo atsakomybe:
4. Deklaracijos objektas:..
5. Pirmiau aprašytas deklaracijos objektas atitinka:..
6. *[Sutinkamai su 2011/65/EU (RoHS), 2009/125/EK (energoefektyvumas) direktyvomis]*
Jei tinkama, taikyti darniųjų standartų nuorodos arba techninių specifikacijų, pagal kurias buvo deklaruota atitiktis, nuorodos:..
[Sutinkamai su kitomis direktyvomis]
Taikyti darniųjų standartų nuorodos arba techninių specifikacijų, pagal kurias buvo deklaruota atitiktis, nuorodos:..
7. *[Sutinkamai su 2014/30/ES (EMS), 2014/53/ES (RID) direktyvomis]*
Jei tinkama, įgaliosios įstaigos pavadinimas ir numeris, atlikio veiksmo aprašymas ir sertifikatas:..
[Sutinkamai su kitomis direktyvomis]
Papildoma informacija:..
[Sutinkamai su 2014/30/ES (EMS) direktyva]
Papildoma informacija:..
[Sutinkamai su 2014/53/ES (RID) direktyva]
Jei tinkama, priedų ir komponentų, įskaitant programinę įrangą, kurios dėka radio įranga veikia taip numatyta, aprašymas:..
8. *[Sutinkamai su 2014/53/ES (RID) direktyva]*
Papildoma informacija:..
Jei ir kieno vardu pasirašyta:..
Pirmo data ir vieta):..
Adresas ir pavarde, pareigos) (parašas):..

magyar (hu)
EU-megfelelőségi nyilatkozat
1. Észülek típusa:..
2. A gyártó meghatalmazott képviselőjének neve és címe:..
3. A megfelelőségi nyilatkozat a gyártó kizárólagos felelősségére kerül kibocsátásra:..
4. A nyilatkozat tárgya:..
5. A nyilatkozat fent leírt tárgya összhangban van:..
6. *[2011/65/EU (RoHS), 2009/125/EC (Ecodesign) direktívákban ylatkozatok]*
Ahol alkalmazható, hivatkozásokat a vonatkozó harmonizált szabványokra vagy hivatkozásokat a műszaki előírásokra, amelyekkel kapcsolatban a megfelelőséget kinyilatkoztatják:..
[egyéb direktívákban]
Hivatkozások az alkalmazott, vonatkozó harmonizált szabványokra, amelyekkel kapcsolatban a megfelelőséget kinyilatkoztatják:..
7. *[2014/30/EU (EMC), 2014/53/EU (RED direktívákban)]*
Ahol alkalmazható, a bejelentett tesztelő neve és száma, a beavatkozás és a tanúsítvány leírása:..
[egyéb direktívákban]
Kiegészítő információk:..
8. *[2014/30/EU (EMC direktívában) Nyilatkozatok]*
Kiegészítő információk:..
9. *[2014/53/EU (RED) direktívában, Nyilatkozatok]*
Ahol alkalmazható, a tartozékok és alkatrészek leírását, beleértve a szoftvert, amely lehetővé teszi, hogy a rádió-berendezés a szándékolt módon működjön:..
10. *[2014/53/EU (RED) direktívában, Nyilatkozatok]*
Kiegészítő információk:..
11. A becsátás helye és kelte):..
12. (Név, beosztás) (aláírás):..

italiano (it)
DICHIARAZIONE DI CONFORMITÀ ALL'UE
1. Modello Nro.:...
2. Il nome e l'indirizzo del rappresentante autorizzato del produttore:..
3. Il presente dichiarazione di conformità è..
4. Oggetto della dichiarazione:..
5. L'oggetto della dichiarazione menzionata è in conformità con:..
6. *[Inid-dikjarazzjonijiet 2011/65/EU (RoHS), 2009/125/EC (Ecodesign)]*
Jekk applikabbli, referenzi għall-istandards armonizzati rilevanti li ntuzaw, jew referenzi għall-ispeċifikazzjonijiet tekniċi fir-rigward tagħnom hija dikjarata konformità:..
[f'Direttivi oħrajn]
Referenzi għall-istandards armonizzati rilevanti li ntuzaw, jew referenzi għall-ispeċifikazzjonijiet tekniċi fir-rigward tagħnom hija dikjarata konformità:..
7. *[f'id-dikjarazzjonijiet 2014/30/EU (EMC), 2014/53/EU (RED)]*
Jekk applikabbli, korp notifikat li-sem u n-numru, id-eskizzjoni tal-intervent u certifikat:..
[f'Direttivi oħrajn]
Informazzjoni addizzjonali:..
[f'id-dikjarazzjonijiet 2014/30/EU (EMC)]
Informazzjoni addizzjonali:..
[f'id-dikjarazzjonijiet 2014/53/EU (RED)]
Jekk ikun applikabbli, deskizzjoni tal-aċċessorji u l-komponenti, inkluż is-software, li jippermettu t-tagħmir tar-radju li jgħadd kif intiż:..
9. *[f'id-dikjarazzjonijiet 2014/53/EU (RED)]*
Informazzjoni addizzjonali:..
Iffirmat għal u f'isem:..
(post u data tal-hrug):..
(isem, funzjoni) (firma):..

Nederlands (nl)
EU-CONFORMITEITSVERKLARING
1. Model nr.:...
2. Naam en adres van de gemachtigde van de fabrikant:..
3. Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant:..
4. Voorwerp van de verklaring:..
5. Het hierboven beschreven voorwerp is conform:..
6. *[In 2011/65/EU (RoHS), 2009/125/EC (Ecodesign) Verklaringen]*
Indien van toepassing, vermelding van de toegepaste relevante geharmoniseerde normen of van de andere technische specificaties waarop de conformiteitsverklaring betrekking heeft:..
[In andere Richtlijnen]
Vermelding van de toegepaste relevante geharmoniseerde normen of van de andere technische specificaties waarop de conformiteitsverklaring betrekking heeft:..
7. *[In 2014/30/EU (EMC), 2014/53/EU (RED) Verklaringen]*
Indien van toepassing, aangemelde instantie naam en nummer, beschrijving van de werkzaamheden en certificaat:..
[In andere Richtlijnen]
Aanvullende informatie:..
8. *[In 2014/30/EU (EMC) Verklaringen]*
Aanvullende informatie:..
[In 2014/53/EU (RED) Verklaringen]
Indien van toepassing, beschrijving van de accessoires en onderdelen, met inbegrip van software, die het mogelijk maken dat de radioapparatuur functioneert zoals bedoeld: ...
9. *[In 2014/53/EU (RED) Verklaringen]*
Aanvullende informatie:..
Ondertekend voor en namens:..
(plaats en datum van afgifte):..
(naam, functie) (handtekening):..

polski (pl)
DEKLARACJA ZGODNOŚCI UE
1. Nazwa modelu:..
2. Nazwa/imię i nazwisko upoważnionego przedstawiciela producenta:..
3. Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta:..
4. Przedmiot deklaracji:..
5. Opisany powyżej przedmiot deklaracji jest zgodny z:..
6. *[w Deklaracjach 2011/65/EU (RoHS), 2009/125/EC (Eko-projekt)]*
Jeżeli stosowne, odwołania do odnośnych norm zharmonizowanych, które zastosowano lub do specyfikacji technicznych, w odniesieniu do których deklarowana jest zgodność:..
[w innych Dyrektywach]
Odwołuje się do odnośnych norm zharmonizowanych, które zastosowano lub do specyfikacji technicznych, w odniesieniu do których deklarowana jest zgodność:..
7. *[w Deklaracjach 2014/30/EU (EMC), 2014/53/EU (RED)]*
Jeżeli stosowne, nazwa jednostki notyfikowanej oraz numer, opis interwencji oraz certyfikat:..
[w innych Deklaracjach]
Informacje dodatkowe:..
8. *[w Deklaracjach 2014/30/EU (EMC)]*
Informacje dodatkowe:..
[w Deklaracjach 2014/53/EU (RED)]
Jeżeli stosowne, opis akcesoriów oraz komponentów, włączając oprogramowanie, które pozwalają na zgodną z przeznaczeniem pracę sprzętu radiowego:..
9. *[w Deklaracjach 2014/53/EU (RED)]*
Dodatkowe informacje:..
Podpisano w imieniu:..
(miejsce i data wydania):..
(nazwisko, stanowisko) (podpis):..

português (pt)
DECLARAÇÃO DE CONFORMIDADE UE
1. Modelo Nº.:...
2. Nome e endereço do mandatário do fabricante:..
3. A presente declaração de conformidade é..
4. Objeto da declaração:..
5. O objeto da declaração acima mencionada está em conformidade com:..
6. *[nas declarações 2011/65/EU (RoHS), 2009/125/EC (Ecodesign)]*
Quando aplicável, referências às relevantes normas harmonizadas utilizadas ou referências às especificações técnicas em relação às quais é declarada a conformidade:..
[em outras diretivas]
Referências às relevantes normas harmonizadas utilizadas ou referências às especificações técnicas em relação às quais é declarada a conformidade:..
7. *[nas declarações 2014/30/EU (EMC), 2014/53/EU (RED)]*
Quando aplicável, nome e número do organismo notificado, descrição da intervenção e certificado:..
[em outras diretivas]
Informações adicionais:..
8. *[nas declarações 2014/30/EU (EMC)]*
Informações adicionais:..
[nas declarações 2014/53/EU (RED)]
Quando aplicável, a descrição de acessórios e componentes, incluindo software, que permitem que o equipamento de rádio funcione da forma prevista:..
9. *[nas declarações 2014/53/EU (RED)]*
Informações adicionais:..
Assinado por e em nome de:..
(local e data da emissão):..
(nome, cargo) (assinatura):..

Română (ro)
DECLARAȚIE DE CONFORMITATE UE
1. Număr model:..
2. Denumirea și adresa reprezentantului autorizat al producătorului:..
3. Această declarație de conformitate este eliberată pe propria răspundere a producătorului:..
4. Obiectul declarației:..
5. Obiectul declarației descrie mai sus este conform cu:..
6. *[In declarațiile 2011/65/EU (RoHS), 2009/125/EC (Ecodesign)]*
Unde este valabil, se face referință la standardele armonizate relevante care au fost folosite sau la specificațiile tehnice relativ la care este declarată conformitatea:..
[In alte directive]
Se face referință la standardele armonizate relevante care au fost folosite sau la specificațiile tehnice relativ la care este declarată conformitatea:..
7. *[In declarațiile 2014/30/EU (EMC), 2014/53/EU (RED)]*
Unde este valabil, numele și numărul organismului notificat, descrierea intervenției și certificatul:..
[In alte directive]
Informații suplimentare:..
8. *[In declarațiile 2014/30/EU (EMC)]*
Informații suplimentare:..
[In declarațiile 2014/53/EU (RED)]
Unde este valabil, descrierea accesoriilor și a componentelor, inclusiv software, care permit echipamentului radio să funcționeze așa cum a fost destinat:..
9. *[In declarațiile 2014/53/EU (RED)]*
Informații suplimentare:..
Semnat pentru și din partea:..
(locatia și data publicării):..
(nume, funcție) (semnătură):..

slovenčina (sk)
VYHLÁSENIE O ZHODE EÚ
1. Číslo modelu:..
2. Meno a adresa splnomocneného zástupcu výrobcu:..
3. Toto vyhlásenie o zhode sa vydáva na výhradnú zodpovednosť výrobcu:..
4. Predmet vyhlásenia:..
5. Vyššie opísaný predmet vyhlásenia je v zhode so:..
6. *[v 2011/65/EU (RoHS), 2009/125/ES (Ekodizajn) vyhláseniach]*
V prípade potreby uviesť odkazy na príslušné použité harmonizované normy alebo odkazy na technické špecifikácie, na základe ktorých sa vyhlasuje zhoda:..
[v ostatných vyhláseniach]
Odkazy na príslušné použité harmonizované normy alebo odkazy na technické špecifikácie, na základe ktorých sa vyhlasuje zhoda:..
7. *[v 2014/30/EU (EMC), 2014/53/EU (RED) vyhláseniach]*
V prípade potreby, meno notifikovanej osoby, popis intervencie a certifikát:..
[v ostatných vyhláseniach]
Dodatočné informácie:..
8. *[v 2014/30/EU (EMC), vyhláseniach]*
Dodatočné informácie:..
[v 2014/53/EU (RED) vyhláseniach]
V prípade potreby, popis príslušenstva a komponentov, vrátane softvéru, ktorý zabezpečuje prevádzku rádiového zariadenia podľa predpokladu:..
9. *[v 2014/53/EU (RED) vyhláseniach]*
Dodatočné informácie:..
Podpísané za a v mene:..
(miesto a dátum vydania):..
(meno, funkcia) (podpis):..

slovenščina (sl)
IZJAVA EU O SKLADNOSTI
1. Oznaka modela:..
2. Ime in naslov pooblaščenega zastopnika proizvajalca:..
3. Ta izjava o skladnosti se izda na lastno odgovornost proizvajalca:..
4. Predmet izjave:..
5. Predmet navedene izjave je v skladu z:..
6. *[v 2011/65/EU (RoHS), 2009/125/EC (Ecodesign) deklaracijah]*
Kjer je to ustrezno, napolita na uporabljene usklajene standarde ali napolita na tehnične specifikacije v zvezi za katere je deklarirana skladnost:..
[v drugih direktivah]
Napolita za relevantne usklajene standarde v uporabi ali napolita k tehničnim specifikacijam v zvezi za katere je deklarirana skladnost:..
7. *[v 2014/30/EU (EMC), 2014/53/EU (RED) deklaracijah]*
Kjer je to ustrezno, obveščen naziv telesa in številka, opis intervencije in certifikat:..
[v drugih direktivah]
Dodatne informacije:..
8. *[v 2014/30/EU (EMC) deklaracijah]*
Dodatne informacije:..
[v 2014/53/EU (RED) deklaracijah]
Kjer je to ustrezno, opis dodatkov in komponent, vključno s programsko opremo, ki omogoča namenjeno delovanje radijski opremi:..
9. *[v 2014/53/EU (RED) deklaracijah]*
Dodatne informacije:..
Podpisano za in v imenu:..
(kraj in datum izjave):..
(ime, naziv) (podpis):..

suomi (fi)
EU-VAATIMUSTENMUKAISUUSVAKUUTUS
1. Malli nro.:...
2. Valmistajan paikallisen edustajan nimi ja osoite:..
3. Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaisella vastuulla:..
4. Vakuutuksen kohde:..
5. Edellä kuvattu vakuutuksen kohde on vaatimusten mukainen:..
6. *[2011/65/EU (RoHS), 2009/125/EC (Ecodesign) Vakuutukset]*
Tarvittaessa viitataan niihin asiaankuuluviin yhdenmukaistettuihin standardeihin, joita on käytetty, tai viitataan teknisiin eritelmiin, joiden perusteella vaatimustenmukaisuusvakuutus on annettu:..
[muissa Direktiiveissä]
Viitataan niihin asiaankuuluviin yhdenmukaistettuihin standardeihin, joita on käytetty, tai viitataan teknisiin eritelmiin, joiden perusteella vaatimustenmukaisuusvakuutus on annettu:..
7. *[2014/30/EU (EMC), 2014/53/EU (RED) Vakuutukset]*
Tarvittaessa, ilmoitettu laitos ja numero, toimenpiteen kuvaus ja todistus:..
[muissa Direktiiveissä]
Lisätietoja:..
8. *[2014/30/EU (EMC) Vakuutukset]*
Lisätietoja:..
[2014/53/EU (RED) Vakuutukset]
Tarvittaessa, kuvaus niistä lisälaitteista ja osista, myös ohjelmistoista, jotka mahdollistavat radiolaitteen käyttöätoimituksen mukaisen käytön:..
9. *[2014/53/EU (RED) Vakuutukset]*
Lisätietoja:..
Puolesta allekirjoittanut:..
(antamispaiikka ja -päivämäärä):..
(nimi, tehtävä) (allekirjoitus):..

svenska (sv)
EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE
1. Modell nr.:...
2. Namn och adress till den av producenten auktoriserade representanten:..
3. Denna försäkran om överensstämmelse utfärdas på tillverkarens eget ansvar:..
4. Föremål för försäkran:..
5. Föremålet för försäkran ovan överensstämmer med:..
6. *[i 2011/65/EU (RoHS), 2009/125/EC (Ecodesign) Deklarationer]*
I tillämpliga fall: Hänvisningar till de relevanta harmoniserade standarder som använts eller hänvisningar till de tekniska specifikationerna enligt vilka överensstämmelsen försäkras:..
[i andra direktiv]
Hänvisningar till de relevanta harmoniserade standarder som använts eller hänvisningar till de tekniska specifikationerna enligt vilka överensstämmelsen försäkras:..
7. *[i 2014/30/EU (EMC), 2014/53/EU (RED) Deklarationer]*
I tillämpliga fall: Det anmälda organet, namn och nummer, beskrivning av åtgärden och utfärdat intyg:..
[i andra direktiv]
Ytterligare information:..
8. *[i 2014/30/EU (EMC) Deklarationer]*
Ytterligare information:..
[i 2014/53/EU (RED) Deklarationer]
I tillämpliga fall, en beskrivning av tillbehör och komponenter, inklusive programvara, som gör det möjligt för radioutrustningen att fungera som avsett:..
9. *[i 2014/53/EU (RED) Deklarationer]*
Ytterligare information:..
Undertecknat för:..
(ort och datum):..
(namn, befattning) (namnteckning):..

norsk (no)
EU-samsvarserklæring
1. Modell nr.:...
2. Navn og adresse på produsentens autoriserte representant:..
3. Denne samsvarserklæringen er utstedt på produsentens eneansvar:..
4. Erklæringens gjenstand:..
5. Erklæringens gjenstand beskrevet ovenfor er i samsvar med: kapittel 2a:..
6. *[i 2011/65/EU (RoHS), 2009/125/EC (Ecodesign) Deklarationer]*
Hvor gjeldende, henvisninger til de relevante harmoniserte standardene som er brukt eller henvisninger til de spesifikasjonene det erklæres samsvar med:..
[i andre direktiver]
Henvisninger til de relevante harmoniserte standardene som er brukt eller henvisninger til de spesifikasjonene det erklæres samsvar med:..
7. *[i 2014/30/EU (EMC), 2014/53/EU (RED) Deklarationer]*
Hvor gjeldende, teknisk kontrollorgans navn og nummer, beskrivelse av intervensjon og sertifikat:..
[i andre direktiver]
Tilleggsopplysninger:..
8. *[i 2014/30/EU (EMC) Deklarationer]*
Tilleggsopplysninger:..
[i 2014/53/EU (RED) Deklarationer]
Hvor gjeldende, beskrivelse av tilbehør og deler, inkludert programvare, som tillater radioutstyret til å operere som forutsatt:..
9. *[i 2014/53/EU (RED) Deklarationer]*
Tilleggsopplysninger:..
Undertegnet for og på vegne av:..
(sted og utstedelsesdato):..
(navn, stilling) (underskrift):..

EU DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We importers/manufacturer: Wacebo Europe Srl: WACEBO EUROPE SRL

Address: Via Gianluigi Bonelli, 40 00127 Roma

Declares that the object of the declaration is the product:

Model: E11L-C75B

Specific function: Interactive Monitor

Image:



Its in compliance with the to essential requirements according to:

RED 2014/53/UE, ROHS 2011/65/CE, ERP 2009/125/CE, REACH 1907/2006/CE, RAEE 2012/19/UE e ss.mm.ii.

In addition, the object of the declaration described above, is in conformity with the relevant Union harmonization legislation:

EN 62368-1:2014+A11:2017

EN IEC 62311:2020

ETSI EN 301 489-1 V2.2.3 (2019-11)

ETSI EN 301 489-3 V2.1.1 (2019-03)

ETSI EN 301 489-17 V3.2.4 (2020-09)

EN 55032:2015+A11:2020

EN 55035:2017+A11: 2020

EN IEC 61000-3-2: 2019

EN IEC 61000-3-3: 2013+A1: 2019

ETSI EN 300 328 V2.2.2 (2019-07)

ETSI EN 301 893 V2.1.1 (2017-05)

ETSI EN 300 440 V2.2.1 (2018-07)

Additional information: no

Rome, 23.08.2022

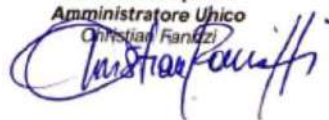
Anno di apposizione Marcatura CE:22

Wacebo Europe srl

Legale Rappresentante/Legal representative:

Christian Fanizzi

Wacebo Europe Srl
Amministratore Unico
Christian Fanizzi



Wacebo Europe Srl

Sede legale Viale Gianluigi Bonelli, 40 | 00127 Roma (RM) | ITALY

Tel [+39] 06 9838 3431 | P.IVA/VAT IT12404241007 | Cap. Soc. 150.000,00 i.v.

www.waceboeurope.com | info@waceboeurope.com | wacebo@pec.it

Azienda certificata ISO 9001:2008 | ISO 14001:2015

TEST REPORT ENERGY STAR Program Requirements for Displays Eligibility Criteria Version 8.0	
Report Reference No:	DG1220714-31928E-EE
Compiled by (+ signature):	Engineer: Olivia Wang
Approved by (+ signature):	Team Leader: Alex Xu
Date of issue:	2022-08-12
Testing Laboratory name:	BAY AREA COMPLIANCE LABORATORIES CORP. (KUNSHAN)
Address:	NO. 248 CHENGHU ROAD KUNSHAN, JIANGSU 215301, PEOPLE'S REPUBLIC OF CHINA
Applicant's name:	Wacebo Europe Srl
Address:	Via Gianluigi Bonelli, 40-00127 Rome-Italy
Manufacturer:	Shenzhen OKView Technology Co., Limited
Address:	Building A, No. 2 Huangdiyin Industrial Zone, Kukeng Community, Guanlan Town, Longhua District, Shenzhen, China
Test item description:	Interactive LED Panel/Touch Screen Monitor/Touch Screen/Touch Monitor/Interactive Flat Panel Display/Interactive LED Display/Interactive LED Monitor
Model/Type reference:	E11L-C65B
Manufacturer:	Shenzhen OKView Technology Co., Limited Building A, No. 2 Huangdiyin Industrial Zone, Kukeng Community, Guanlan Town, Longhua District, Shenzhen, China
Input range supply voltage / frequency:	100-240V~ 50/60Hz 1.8A.
Test specification:	
Test procedures:	ENERGY STAR Test Method for Determining Display Energy (Rev. November – 2021) International Committee for Display Metrology (ICDM) Information Display Measurements Standard – Version 1.03 CEA-2037-A, Determination of Television Set Power Consumption
Date of receipt of test item:	2022-07-25
Date of tests:	2022-08-01 to 2022-08-02
Test result:	Pass
Note: The test data was only valid for the test sample(s). This test report is prepared for the customer shown above and for the specific product described herein. It must not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan).	

Appliance (Equipment) Detail

Brand	DABLIU
Model	E11L-C65B
Type	Signage Display
Product Description (as appropriate)	Interactive LED Panel/Touch Screen Monitor/Touch Screen/Touch Monitor/Interactive Flat Panel Display/Interactive LED Display/Interactive LED Monitor
Rating(s)	100-240V~ 50/60Hz 1.8A
Detail of manufacturer marked on the product (if any)	No

Test Parameters

Ambient temperature (°C)	24.0°C
Air speed close to the EUT	0.1m/s
Relative humidity	58%
Test voltage (s)	115Vac
Frequencies (Hz)	60Hz
Input Signal	Three-bar video signal and dynamic broadcast-content video signal
Total Harmonic distortion of the electricity supply system	1.2%

General conditions for measurements

1. Test Room

The tests shall be carried out in a room that has an air speed close to the appliance under test of ≤ 0.5 m/s. The ambient temperature shall be maintained at (23 ± 5) °C throughout the test.

2. Power supply

Where this standard is referenced by an external standard or regulation that specifies a test voltage and frequency, the test voltage and frequency so defined shall be used for all tests. Where the test voltage and frequency are not defined by an external standard, the test voltage and the test frequency shall be the nominal voltage and the nominal frequency of the country for which the measurement is being determined ± 1 %.

3. Supply voltage waveform

The total harmonic content of the supply voltage when supplying the appliance under test in the specified mode shall not exceed 5 %; harmonic content is defined as the root-mean-square (r.m.s.) summation of the individual components using the fundamental as 100 %.

4. Power measurement accuracy

Measurements of power of 0.5 W or greater shall be made with an uncertainty of less than or equal to 2 % at the 95 % confidence level. Measurements of power of less than 0.5 W shall be made with an uncertainty of less than or equal to 0.01 W at the 95 % confidence level.

5. Testing Setup

The EUT shall be prepared and set up in accordance with the manufacturer's instructions, except where these conflict with the requirements of this standard. If no instructions are given, then factory or "default" setting shall be used, or where there are no indications for such setting, the appliance is tested as supplied.

(Note: The EUT was working under the 100% loading condition at least 20mins or more for warming-up.)

A. Energy Requirements for Computer Monitors

Equation 1: Total Energy Consumption Calculation

$$E_{TEC} = 8.76 \times (0.35 \times P_{ON} + 0.65 \times P_{SLEEP})$$

Table 1: Calculation of Maximum TEC (E_{TEC_MAX}) for Monitors in kWh

Area (in ²)	E_{TEC} Max (kWh)
	Where: A = Viewable screen area in in ² r = Screen resolution in megapixels (MP) The result shall be rounded to the nearest tenth of a kWh for reporting.
A < 190	$(4.00 \times r) + (0.172 \times A) + 1.50$
$190 \leq A < 210$	$(4.00 \times r) + (0.020 \times A) + 30.40$
$210 \leq A < 315$	$(4.00 \times r) + (0.091 \times A) + 15.40$
A ≥ 315	$(4.00 \times r) + (0.182 \times A) - 13.20$

For all Monitors, Calculated TEC (E_{TEC}) in kWh shall be less than or equal the calculation of Maximum TEC (E_{TEC_MAX}) with the applicable allowances and adjustments (each applied at most once) per Equation 2.

Equation 2: Total Energy Consumption Requirement for Monitors

$$E_{TEC} \leq (E_{TEC_MAX} + E_{EP} + E_{ABC} + E_N + E_T + E_C + E_{HDR} + E_{USB}) \times eff_{AC_DC}$$

Equation 3: Calculation of Energy Allowance for Enhanced Performance Displays

$$E_{EP} = ((1.70 \times \frac{G}{100\%}) - 0.52) * E_{TEC_MAX}$$

For monitors with Automatic Brightness Control (ABC) enabled by default, an energy allowance (E_{ABC}), as calculated per Equation 5, shall be added to E_{TEC_MAX} in Equation 2, if the On Mode power reduction (R_{ABC}), as calculated per Equation 4, is greater than or equal to 20%.

Equation 4: Calculation of On Mode Reduction with ABC Enabled by Default

$$R_{ABC} = 100\% \times \left(\frac{P_{300} - P_{12}}{P_{300}} \right)$$

Equation 5: ABC Energy Allowance (E_{ABC}) for Monitors

$$E_{ABC} = 0.05 \times E_{TEC_MAX}$$

Table 2: Full Network Connectivity Energy Allowance (E_N) for Monitors

E_N (kWh)
2.9

Equation 6: Energy Allowance for Touch Technology (E_T) for Monitors

$$E_T = 0.17 \times E_{TEC_MAX}$$

Equation 7: Monitors Curved Display Energy Allowance (E_C) for Monitors

$$E_C = 0.15 \times E_{TEC_MAX}$$

Table 3: HDR 600 and HDR 1000 Energy Allowances for Monitors

VESA DisplayHDR Certification	E_{HDR} (kWh)
HDR 600	$0.05 * E_{TEC_MAX}$
HDR 1000	$0.10 * E_{TEC_MAX}$

Table 4: Allowance for Monitors with USB Type C Compatibility

E_{USB} (kWh)
2.75

B. On Mode Requirements for Signage Displays
Equation 8: Calculation of Maximum On Mode Power (P_{ON_MAX}) in Watts for Signage Displays

$$P_{ON_MAX} = (4.0 \times 10^{-5} \times \ell \times A) + 120 \times \tanh(0.0005 \times (A - 140.0) + 0.03) + 20$$

Equation 9: On Mode Power Requirement for Signage Displays

$$P_{ON} \leq P_{ON_MAX} + P_{ABC} + P_{Module}$$

For Signage Displays with ABC enabled by default, a power allowance (P_{ABC}), as calculated per Equation 10, shall be added to P_{ON_MAX} , as calculated per Equation 9, if the On Mode power reduction (R_{ABC}), as calculated per Equation 4, is greater than or equal to 20 percent.

Equation 10: Calculation of On Mode Power Allowance for Signage Displays with ABC Enabled by Default

$$P_{ABC} = 0.05 \times P_{ON_MAX}$$

Table 5: On Mode Power Allowance for Signage Displays with an Embedded Module

P_{Module} (W)
2.5

C. Sleep Mode Requirements for Signage Displays

Measured Sleep Mode Power (P_{SLEEP}) in watts shall be less than or equal the sum of the Maximum Sleep Mode Power Requirement (P_{SLEEP_MAX}) and any allowances (applied at most once) per Equation 11.

Equation 11: Sleep Mode Power Requirement for Signage Displays

$$P_{SLEEP} \leq P_{SLEEP_MAX} + P_N + P_{OS} + P_T$$

Table 6: Maximum Sleep Mode Power Requirement (P_{SLEEP_MAX}) for Signage Displays

P_{SLEEP_MAX} (watts)
0.5

Table 7: Full Network Connectivity Allowance for Signage Displays

P_N (watts)
3.0

Table 8: Additional Functions Sleep Mode Power Allowance for Signage Displays

Type	Screen Size (in)	Allowance (watts)
Occupancy Sensor P_{OS}	All	0.3
Touch Functionality P_T (applicable only to Signage Displays where screen size is greater than 30 inches)	≤ 30	0.0
	> 30	1.5

D. Off Mode Requirements for all Displays

Table 9: Maximum Off Mode Power Requirement (P_{OFF_MAX})

P_{OFF_MAX} (watts)
0.5

E. Luminance Reporting Requirements

Maximum Reported, Maximum Measured Luminance, and Total Native Resolution shall be reported for all products; As-Shipped Luminance shall be reported for all products except those with ABC enabled by default.

Information

Brand Name	DABLIU	Resolutions (pixels)	3840(H) × 2160 (V)
Model	E11L-C65B	Automatic Brightness Control?	No
Product Type	Signage Display	Screen Size (inches)	56.24 x 31.63
Refresh rate	60Hz	Screen Area (sq. inch)	1778.87
Voltage Tested	115Vac 60Hz	Power Factor (On mode)	0.9742 (115Vac 60Hz)
Luminance	Max. luminance: 72.5cd/m ² (115Vac 60Hz)		

Test at 115Vac 60Hz:

Requirements	
E_{TEC} requirement	--
On Mode	Used Equation 8: $P_{ON_MAX} = (4.0 \times 10^{-5} \times \ell \times A) + 120 \times \tanh(0.0005 \times (A - 140.0) + 0.03) + 20$ $= (4.0 \times 10^{-5} \times 72.5 \times 1778.87) + 120 \times \tanh(0.0005 \times (1778.87 - 140) + 0.03) + 20$ $= 108.05W$ Used Equation 9: $P_{ON} \leq P_{ON_MAX} + P_{ABC} + P_{Module}$ $P_{ON_MAX} = 108.05W$, P_{ABC} and P_{Module} is not applied $P_{ON_MAX} + P_{ABC} + P_{Module} = 108.05W$
Sleep Mode	Used Equation 11: $P_{SLEEP} \leq P_{SLEEP_MAX} + P_N + P_{OS} + P_T$ $P_{SLEEP_MAX} = 0.5W$, $P_T = 1.5W$, P_N and P_{OS} are not applied $P_{SLEEP_MAX} = 0.5 + 1.5 = 2.0W$
Off Mode	0.5W

Test data

On Mode Consumption		
Signage Display without ABC enabled by default		
Minutes	On mode power energy (Wh)	On Mode Consumption P _{on} (W)
10 Minutes	10.308Wh	61.848W
Sleep Mode Consumption		
Minutes	Sleep Mode power energy (Wh)	Sleep Mode Consumption P _{sleep} (W)
10 Minutes	0.061Wh	0.366W
Restore factory setting, when product has no signal input, after 5mins product into the Sleep Mode.		
Off Mode Consumption		
Minutes	Off Mode power energy (Wh)	Off Mode Consumption P _{off} (W)
10 Minutes	0.0005Wh	0.003W

Result: Pass

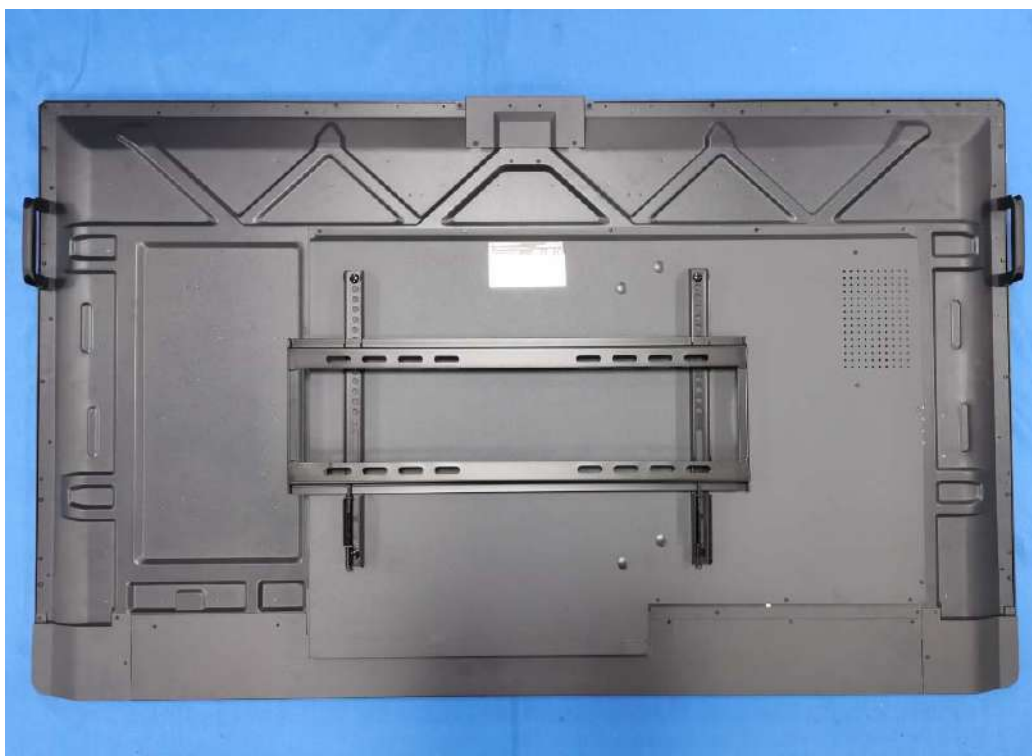
Comments:
The test results presented in this report relate only to the item(s) tested.

EUT Photo

EUT Top view



EUT back view



EUT port view



EUT port view



EUT label view

Innovation Quality Service
INTERACTIVE LED MONITOR

DABLIU TOUCH

Model: E11L-C65B
Power Supply: AC 100-240V,50/60Hz 1.8A
Power Standby: <0.5W
Power Rating: 180W

Date of production:
03/08/2022

Imported by:
WACEBO EUROPE S.R.L.
Via Gianluigi Bonelli, 40 - 00127 Roma - ITALY
Tel. (+39) 06.98383431 Fax (+39) 06.98383432

Customer service:
support@waceboeurope.com



EAN: 8 053830 263727

Made in PRC

Equipment List

Equipment No.	Equipment	Manufacturer	Model	Last Cal	Cal Due
T-07-SF059	Variable power supply	Shengchi	SC/BP-31030	2022-06-20	2023-06-19
T-07-SF112	Power meter	Yokogawa	WT210	2022-06-20	2023-06-19
T-07-SF154	Stop watch	Tianfu	PC396	2022-01-04	2023-01-03
T-07-SF023	Temperature and humidity meter	Kejian	HTC-1	2022-06-20	2023-06-19
T-08-SF139	Color analyzer	Chroma	Chroma 7123	2022-07-26	2023-07-25
T-07-EE042	Digital anemometer	Biaozhi	GM8901	2022-06-22	2023-06-21



Test Report No.: DG1220714-31928E-EE

Directions

1. The information marked "superscript # " is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of the Company.
6. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

*****END OF REPORT*****

TEST REPORT

Applicant: Wacebo Europe Srl
Address: Via Gianluigi Bonelli, 40-00127 Rome-Italy

The following sample(s) was/were submitted and identified on behalf of the client as:

Product name: Interactive LED Panel/Touch Screen Monitor/Touch Screen/Touch Monitor/Interactive Flat Panel Display/Interactive LED Display/Interactive LED Monitor

Model: E11L-C65B

Trade mark: DABLIU

Manufacturer: Wacebo Europe Srl

Address: Via Gianluigi Bonelli, 40-00127 Rome-Italy

Sample Received Date: Jul. 01, 2022
Testing Period: Jul. 01, 2022~ Jul. 29, 2022

Test Requirement:

As specified by client, to screen the 224 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Summary:

According to the specified scope and evaluation screening, the concentrations of 224 SVHC are $\leq 0.1\%$ (w/w) in the submitted sample(s).

Test Method: Please refer to the following page(s);

Test Result(s): Please refer to the following page(s);

Compiled by:

Dora

Reviewed by:

Ylsma

Approved by:

Mark Liao

Date:

2022-08-01

Test Result(s):

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T1	T2	T3	T4	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T5	T6	T7	T8	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%		RL (%)
				T9	T10	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	/

Group Description:

Group	No.
T1	2+3+4+5+6+8+10+12+17+18+20+26+28+31+34+36+40+42+43+45+47+50+52+55+56+58+60+61+62+65
T2	66+67+70+73+74+75+78+80+82+88+90+93+95+97+101+104+106+110+113+115+117+119+120+121+123+125+127+129+130+131
T3	138+140+141+142+145+146+147+149+151+153+154+156+157+159+160+162+163+165+166+168+169+171+172+174+176+177+179+180+181+182
T4	184+185+186+187+189+191+193+194+197+200+202+203+206+207+208+209+210+211+213+214+215+218+219
T5	7+9+11+13+14+15+16+19+21+22+23+24+25+27+29+30+32+33+35+37+38+39+41+44+46+48+49+51+53+54
T6	57+59+63+64+68+69+71+72+76+77+79+81+83+84+85+86+87+89+91+92+94+96+98+99+100+102+103+105+107+108
T7	109+111+112+114+116+118+122+124+126+128+132+133
T8	135+136+137+139+143+144+148+150+152+155+158+161+164+167+170+173+175+178+183+188+190+192+195+196+198+199+201+204+205+212+216+217+220
T9	1+134
T10	221

Sample Description:

No.	Description	No.	Description
1	White/Green SMD PCB	2	Black HS8 heat sinks
3	Silvery metal pin of black HS8 heat sinks	4	Black metal screw of black HS8 heat sinks
5	Black metal washer of black HS8 heat sinks	6	Black metal plain washer of black HS8 heat sinks
7	Black body of DH1 rectifier bridge	8	Metal pin of DH1 rectifier bridge
9	White colloid of DH1 rectifier bridge	10	Cupreous metal coil of LP6 inductor
11	Green coating of LP6 inductor	12	Magnet core of LP6 inductor
13	Black plastic pedestal of LP6 inductor	14	Grey plastic shell of CX2X capacitor
15	White potting glue of CX2X capacitor	16	Inner body of CX2X capacitor
17	Metal pin of DH1 rectifier bridge	18	Cupreous metal coil of LP4 inductor
19	Green coating of LP4 inductor	20	Magnet core of LP4 inductor
21	Black colloid of LP4 inductor	22	Yellow plastic pedestal of LP4 inductor
23	White tape of LP4 inductor	24	White label of LP4 inductor
25	Blue body of CY4 capacitors	26	Metal pin of CY4 capacitors
27	Green body of RT4 capacitors	28	Silvery metal sheet
29	White label of LP2 inductor	30	Black tape of LP2 inductor
31	Magnet core of LP2 inductor	32	Black plastic sketch of LP2 inductor
33	Black colloid of LP2 inductor	34	Cupreous metal coil of LP2 inductor
35	Varnished wire of LP2 inductor	36	Metal pin of LP2 inductor
37	Dark grey body of CP4X capacitor	38	Black pouring sealant of CP4X capacitor
39	Inner body of CP4X capacitor	40	Metal pin of CP4X capacitor
41	Black body of BD1 rectifier bridge	42	Metal pin of BD1 rectifier bridge
43	J4 Silvery metal strip	44	Blue body of RV1 capacitors
45	Metal pin of RV1 capacitors	46	Black body of QP3 audion
47	Metal pin of QP3 audion	48	Black body of DP2 diode
49	Varnished wire of LP5 inductor	50	Cupreous metal coil of LP5 inductor
51	Green coating of LP5 inductor	52	Magnet core of LP5 inductor
53	Yellow plastic pedestal of LP5 inductor	54	White plastic of CON101 interface
55	Metal plug pin of CON101 interface	56	Silvery metal shell of FP1 fuse
57	White ceramic of FP1 fuse	58	Silvery wire of FP1 fuse
59	White sand of FP1 fuse	60	Metal pin of FP1 fuse
61	Magnet core of LP9 inductor	62	Metal pin of LP9 inductor
63	Brown body of CP7 capacitors	64	Black plastic jacket of CP3 electrolytic capacitors
65	Aluminum shell of CP3 electrolytic capacitors	66	Cathode foil of CP3 electrolytic capacitors

No.	Description	No.	Description
67	Anode foil of CP3 electrolytic capacitors	68	Electrolytic paper of CP3 electrolytic capacitors
69	Black rubber pad of CP3 electrolytic capacitors	70	Electrode pin of CP3 electrolytic capacitors
71	Grey colloid	72	Black plastic jacket of CH6 electrolytic capacitors
73	Aluminum shell of CH6 electrolytic capacitors	74	Cathode foil of CH6 electrolytic capacitors
75	Anode foil of CH6 electrolytic capacitors	76	Electrolytic paper of CH6 electrolytic capacitors
77	Black rubber pad of CH6 electrolytic capacitors	78	Electrode pin of CH6 electrolytic capacitors
79	Black tape of THA2 transformer	80	Magnet core of THA2 transformer
81	Black plastic sketch of THA2 transformer	82	Cupreous metal coil of THA2 transformer
83	Varnished wire of THA2 transformer	84	Yellow tape of THA2 transformer
85	Silvery label	86	Purple plastic jacket of CH27 electrolytic capacitors
87	Black body of DHA10 diode	88	Metal pin of DHA10 diode
89	Black body of QF6 audion	90	Metal pin of QF6 audion
91	White label of THA1 transformer	92	Black tape of THA1 transformer
93	Magnet core of THA1 transformer	94	Black plastic sketch of THA1 transformer
95	Tin solder of THA1 transformer	96	White fiber of THA1 transformer
97	Cupreous metal coil of THA1 transformer	98	Varnished wire of THA1 transformer
99	Black colloid of THA1 transformer	100	Black body of PH1 rectifier bridge
101	Metal pin of PH1 rectifier bridge	102	Black tape(large) of THA1 transformer
103	Black tape(small) of THA1 transformer	104	Magnet core of THA1 transformer
105	Black plastic sketch of THA1 transformer	106	Tin solder of THA1 transformer
107	White transparent sleeve(large) of THA1 transformer	108	Varnished wire of THA1 transformer
109	White transparent sleeve(small) of THA1 transformer	110	Cupreous metal coil of THA1 transformer
111	White barcode label	112	White plastic of CON205 interface
113	Metal plug pin of CON205 interface	114	Black plastic of CN210 interface
115	Metal plug pin of CN210 interface	116	Red body of RHA6 color ring resistance

No.	Description	No.	Description
117	Metal pin of RHA6 color ring resistance	118	Beige plastic of CON206 interface
119	Metal plug pin of CON206 interface	120	Cupreous metal coil of LH3 inductor
121	Magnet core of LH3 inductor	122	White plastic of CON203 interface
123	Metal plug pin of CON203 interface	124	White plastic of CON204 interface
125	Metal plug pin of CON204 interface	126	Beige/White plastic of CON201 interface
127	Metal plug pin of CON201 interface	128	Black plastic jacket of LF1 inductor
129	Cupreous metal coil of LF1 inductor	130	Magnet core of LF1 inductor
131	Tin solder	132	Black plastic sheet
133	White plastic clasp	134	Black PCB
135	White QR code label	136	White barcode label
137	White plastic of J01 interface	138	Metal plug pin of J01 interface
139	Black plastic jacket of CA1 electrolytic capacitors	140	Aluminum shell of CA1 electrolytic capacitors
141	Cathode foil of CA1 electrolytic capacitors	142	Anode foil of CA1 electrolytic capacitors
143	Electrolytic paper of CA1 electrolytic capacitors	144	Black rubber pad of CA1 electrolytic capacitors
145	Electrode pin of CA1 electrolytic capacitors	146	Magnet core of LD3 inductor
147	Coil of LD3 inductor	148	Grey plastic of CN3 interface
149	Metal plug pin of CN3 interface	150	White plastic of CN2 interface
151	Metal plug pin of CN2 interface	152	Beige plastic of EXT interface
153	Metal plug pin of EXT interface	154	Golden metal contact pin of antenna interface
155	White plastic pedestal of antenna interface	156	Metal plug pin of antenna interface
157	Silvery metal shell of TF1 card slot	158	Black plastic pedestal of TF1 card slot
159	Metal plug pin of TF1 card slot	160	Silvery metal shell of JH1 fuse
161	Black plastic of JH1 interface	162	Metal plug pin of JH1 interface
163	Silvery metal shell of JU1 fuse	164	Blue plastic of JU1 interface
165	Metal plug pin of JU1 interface	166	Silvery metal shell of JU11 interface
167	White plastic of JU11 interface	168	Metal plug pin of JU11 interface
169	Silvery metal shell of JU12 interface	170	Blue plastic of JU12 interface
171	Metal plug pin of JU12 interface	172	Silvery metal shell of JH5 interface
173	Black plastic of JH5 interface	174	Metal plug pin of JH5 interface
175	Black plastic shell of JY1 interface	176	Silvery metal shell of JY1 interface
177	Metal contact pin of JY1 interface	178	Black plastic shell of JV3 interface
179	Silvery metal column of JV3 interface	180	Silvery metal spring of JV3 interface

No.	Description	No.	Description
181	Silvery metal contact pin of JV3 interface	182	Silvery metal frame of JV2 interface
183	Blue plastic shell of JV2 interface	184	Silvery metal screw of JV2 interface
185	Silvery metal sheet of JV2 interface	186	Metal plug pin of JV2 interface
187	Silvery metal shell of FP1 fuse	188	Black plastic shell of JY1 interface
189	Metal plug pin of CON101 interface	190	Cyan plastic of JE1 interface
191	Metal pin of DH1 rectifier bridge	192	Black plastic shell of JY1 interface
193	Magnet core of LP6 inductor	194	Metal coil of UE1 filter
195	Black plastic shell of JY1 interface	196	White plastic of CON101 interface
197	Metal contact pin of JY1 interface	198	Black plastic shell of JY1 interface
199	Blue plastic of JU1 interface	200	Metal plug pin of CON101 interface
201	Red plastic of CON1 interface	202	Metal plug pin of CON101 interface
203	Silvery metal shell of FP1 fuse	204	Black plastic shell of JY1 interface
205	Orange plastic of J1 interface	206	Metal contact pin of JY1 interface
207	Heat sinks of DH1 rectifier bridge	208	Silvery metal pin of DH1 rectifier bridge
209	Magnet core of LP6 inductor	210	Coil of LD3 inductor
211	Silvery metal shell of FP1 fuse	212	Black plastic pedestal of LP6 inductor
213	Metal plug pin of CON101 interface	214	Heat sinks of DH1 rectifier bridge
215	Silvery metal pin of DH1 rectifier bridge	216	White colloid of DH1 rectifier bridge
217	Black plastic clasp of HS4 heat sinks	218	Silvery metal spring of JV3 interface
219	Tin solder of THA1 transformer	220	Yellow plastic jacket
221	Cell (mixed test)	/	/

All tested SVHC in candidate list:

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
I	1	Anthracene	120-12-7	204-371-1	0.050
I	2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	0.050
I	3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.050
I	4	Cobalt dichloride*	7646-79-9	231-589-4	0.010
I	5	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.010
I	6	Diarsenic trioxide*	1327-53-3	215-481-4	0.010
I	7	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	0.010
I	8	Musk xylene	81-15-2	201-329-4	0.050
I	9	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.050
I	10	Hexabromocyclododecane (HBCDD)	25637-99-4/ 3194-55-6	247-148-4/ 221-695-9	0.050
I	11	ShortChain ChlorinatedParaffins(SCCPs)	85535-84-8	287-476-5	0.050
I	12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.010
I	14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.050
I	15	Triethyl arsenate*	15606-95-8	427-700-2	0.010
II	16	^① Anthracene oil	90640-80-5	292-602-7	0.050
II	17	^① Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.050
II	18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.050
II	19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.050
II	20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.050
II	21	^① Coal tar pitch, high temperature	65996-93-2	266-028-2	0.050
II	22	Acrylamide	79-06-1	201-173-7	0.050
II	23	2,4-Dinitrotoluene	121-14-2	204-450-0	0.050
II	24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.050
II	25	^② Lead chromate	7758-97-6	231-846-0	0.010
II	26	^② Lead chromate molybdate sulphateRed (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.010
II	27	^② Lead sulfochromate yellow(C.I. Pigment Yellow 34)	1344-37-2	215-693-7	0.010
II	28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	0.050
III	29	Trichloroethylene	79-01-6	201-167-4	0.050
III	30	^③ Boric acid*	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.010

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
III	31	^③ Disodium tetraborate, anhydrous*	1330-43-4/ 12179-04-3/ 1303-96-4	215-540-4	0.010
III	32	^③ Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.010
III	33	Sodium chromate*	7775-11-3	231-889-5	0.010
III	34	Potassium chromate*	7789-00-6	232-140-5	0.010
III	35	Ammonium dichromate*	7789-09-5	232-143-1	0.010
III	36	Potassium dichromate*	7778-50-9	231-906-6	0.010
IV	37	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.010
IV	38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.010
IV	39	Cobalt(II) carbonate*	513-79-1	208-169-4	0.010
IV	40	Cobalt(II) diacetate*	71-48-7	200-755-8	0.010
IV	41	2-Methoxyethanol	109-86-4	203-713-7	0.050
IV	42	2-Ethoxyethanol	110-80-5	203-804-1	0.050
IV	43	Chromium trioxide*	1333-82-0	215-607-8	0.010
IV	44	Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5/ 13530-68-2	231-801-5/ 236-881-5	0.010
V	45	2-ethoxyethyl acetate	111-15-9	203-839-2	0.050
V	46	Strontium chromate*	7789-6-2	232-142-6	0.010
V	47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.050
V	48	Hydrazine	7803-57-8/ 302-01-2	206-114-9	0.050
V	49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.050
V	50	1,2,3-trichloropropane	96-18-4	202-486-1	0.050
V	51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.050
VI	52	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.010
VI	53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	0.010
VI	54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.010
VI	55	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	/	/	0.010
VI	56	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	/	/	0.010

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VI	57	^① Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.050
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.050
VI	59	2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	0.050
VI	60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	0.050
VI	61	1,2-Dichloroethane	107-06-2	203-458-1	0.050
VI	62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.050
VI	63	Arsenic acid*	7778-39-4	231-901-9	0.010
VI	64	Calcium arsenate*	7778-44-1	231-904-5	0.010
VI	65	Trilead diarsenate*	3687-31-8	222-979-5	0.010
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.050
VI	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.050
VI	68	Phenolphthalein	77-09-8	201-004-7	0.050
VI	69	Lead diazide*	13424-46-9	236-542-1	0.010
VI	70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	0.010
VI	71	Lead dipicrate*	6477-64-1	229-335-2	0.010
VII	72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.050
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.050
VII	74	^③ Diboron trioxide*	1303-86-2	215-125-8	0.010
VII	75	Formamide	75-12-7	200-842-0	0.050
VII	76	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	0.010
VII	77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.050
VII	78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	0.050
VII	79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.050
VII	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.050
VII	81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)	548-62-9	208-953-6	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VII	82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene]cycl ohexa-2,5- dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)	2580-56-5	219-943-6	0.050
VII	83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C .I. Solvent Blue 4)	6786-83-0	229-851-8	0.050
VII	84	4,4'-bis(dimethylamino)-4''-(methylamino)t rityl alcohol	561-41-1	209-218-2	0.050
VIII	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.050
VIII	86	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	/	/	0.050
VIII	87	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.050
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	/	/	0.050
VIII	89	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.050
VIII	90	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.050
VIII	91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane- 1,2- dicarboxylic anhydride, trans- cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 13149-00-3/ 14166-21-3	201-604-9/ 236-086-3/ 238-009-9	0.050
VIII	92	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0/ 19438-60-9/ 48122-14-1/ 57110-29-9	247-094-1/ 243-072-0/ 256-356-4/ 260-566-1	0.050
VIII	93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.050
VIII	94	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VIII	95	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.050
VIII	96	N-pentyl-isopentylphthalate	776297-69-9	/	0.050
VIII	97	Methoxyacetic acid	625-45-6	210-894-6	0.050
VIII	98	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.050
VIII	99	1,2-Diethoxyethane	629-14-1	211-076-1	0.050
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.050
VIII	101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	0.050
VIII	102	N-methylacetamide	79-16-3	201-182-6	0.050
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.010
VIII	104	Biphenyl-4-ylamine	92-67-1	202-177-1	0.050
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.050
VIII	106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.010
VIII	107	Lead dinitrate*	10099-74-8	233-245-9	0.010
VIII	108	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.010
VIII	109	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	0.010
VIII	110	Lead titanium trioxide*	12060-00-3	235-038-9	0.010
VIII	111	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.050
VIII	112	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.010
VIII	113	Dimethyl sulphate	77-78-1	201-058-1	0.050
VIII	114	Furan	110-00-9	203-727-3	0.050
VIII	115	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.010
VIII	116	Tetraethyllead*	78-00-2	201-075-4	0.010
VIII	117	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	0.010
VIII	118	Diethyl sulphate	64-67-5	200-589-6	0.050
VIII	119	Lead cyanamidate*	20837-86-9	244-073-9	0.010
VIII	120	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	0.010
VIII	121	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.010
VIII	122	o-Toluidine	95-53-4	202-429-0	0.050
VIII	123	o-aminoazotoluene	97-56-3	202-591-2	0.050
VIII	124	4-aminoazobenzene	60-09-3	200-453-6	0.050
VIII	125	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.050
VIII	126	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.050
VIII	127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	0.010
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VIII	129	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.050
VIII	130	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	0.010
VIII	131	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.010
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	0.010
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.010
VIII	134	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.050
VIII	135	Lead oxide sulfate*	12036-76-9	234-853-7	0.010
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.010
VIII	137	Silicic acid, lead salt*	11120-22-2	234-363-3	0.010
VIII	138	N,N-dimethylformamide	68-12-2	200-679-5	0.050
IX	139	Cadmium	7440-43-9	231-152-8	0.010
IX	140	Cadmium oxide*	1306-19-0	215-146-2	0.010
IX	141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.050
IX	142	4-Nonylphenol, branched and linear, ethoxylated[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	/	/	0.050
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.050
X	145	^① Trixylyl phosphate	25155-23-1	246-677-8	0.050
X	146	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	0.050
X	147	Diethyl phthalate	84-75-3	201-559-5	0.050
X	148	Cadmium sulphide*	1306-23-6	215-147-8	0.010
X	149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	0.050
X	150	Lead di(acetate)*	301-04-2	206-104-4	0.010
X	151	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.050
XI	153	Cadmium chloride	10108-64-2	233-296-7	0.010
XI	154	③ Sodium peroxometaborate perboric acid, sodium salt*	/	239-172-9/ 234-390-0	0.010
XI	155	③ Sodium peroxometaborate*	7632-04-4	231-556-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.050
XII	157	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	3846-71-7	223-346-6	0.050
XII	158	Cadmium fluoride*	7790-79-6	232-222-0	0.010
XII	159	Cadmium sulphate*	10124-36-4/ 31119-53-6	233-331-6	0.010
XII	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	239-622-4	0.050
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	/	/	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5/ 68648-93-1	271-094-0/ 272-013-1	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	/	/	0.050
XIV	164	1,3-propanesultone	1120-71-4	214-317-9	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.050
XIV	167	Nitrobenzene	98-95-3	202-716-0	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1/ 21049-39-8/ 4149-60-4	206-801-3	0.050
XV	169	Benzo[def]chrysene	50-32-8	200-028-5	0.050
XVI	170	Bisphenol(BPA)	80-05-7	201-245-8	0.050
XVI	171	4-Heptylphenol, branched and linear (substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof)	/	/	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7/ 335-76-2/ 3830-45-3	206-400-3/ 221-470-5	0.050
XVI	173	4-tert-amylphenol	80-46-6	201-280-9	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	/	/	0.050
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9/ 135821-74-8/ 135821-03-3	/	0.050
XVIII	176	Benzo[a]anthracene	56-55-3	200-280-6	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	233-710-6	0.010
XVIII	178	Cadmium carbonate*	513-78-0	208-168-9	0.010
XVIII	179	Cadmium hydroxide*	21041-95-2	244-168-5	0.010
XVIII	180	Chrysene	218-01-9	205-923-4	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	/	/	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA)	552-30-7	209-008-0	0.050
XIX	183	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XIX	184	Benzo[ghi]perylene	191-24-2	205-883-8	0.050
XIX	185	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.050
XIX	186	③Disodium octaborate*	12008-41-2	234-541-0	0.010
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	203-468-6	0.050
XIX	189	Lead	7439-92-1	231-100-4	0.010
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	205-916-6	0.050
XX	195	Fluoranthene	206-44-0	205-912-4	0.050
XX	196	Phenanthrene	85-01-8	201-581-5	0.050
XX	197	Pyrene	129-00-0	204-927-3	0.050
XXI	198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	/	/	0.050
XXI	199	4-tert-butylphenol	98-54-4	202-679-0	0.050
XXI	200	2-methoxyethyl acetate	110-49-6	203-772-9	0.050
XXI	201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides(covering any of their individual isomers and combinations thereof)	/	/	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	276-090-2	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	/	/	0.050
XXIII	206	1-vinylimidazole	1072-63-5	214-012-0	0.050
XXIII	207	2-methylimidazole	693-98-1	211-765-7	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.050
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	/	/	0.050
XXV	212	1,4-dioxane	123-91-1	204-661-8	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0/ 36483-57-5, 1522-92-5/ 96-13-9	221-967-7/ 253-057-0/ 202-480-9	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	/	/	0.050
XXV	215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.050
XXV	216	Glutaral	111-30-8	203-856-5	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	/	/	0.050
XXV	218	③Orthoboric acid, sodium salt (Group) *	/	/	0.010
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	/	/	0.050
XXVI	220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	/	/	0.050
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	0.050
XXVI	222	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.050
XXVI	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.050

Test Method:

With reference to NTEK in-house method, Analysis is performed by Liquid Chromatography Mass Spectrometry/ Mass Spectrometry (LC-MS/MS), Gas Chromatography and Mass Spectrometry (GC-MS), headspace GC-MS, Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), UV-Vis spectrophotometer.

Note:

1. “%” =percent by weight, 0.1% = 1000 mg/kg =1000 ppm
2. RL = Report Limit, N.D. = Not Detected (<RL), /= Not Regulated or Not Applicable
3. *: Concentration value of the substance by the conversion from the test results of certain elements.
Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tins.
4. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
5. ①: In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
6. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of therepresentative compounds are calculated based on the result of specified heavy metal elements.
7. ③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate; Disodium octaborate; Orthoboric acid, sodium salt (Group) is calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.
8. REACH regulations related to obligations
 - (a) The chemical analysis of SVHC is performed by means of currently available analytical Techniques against the list published by ECHA, and shall refer to <http://echa.europa.eu/web/guest/candidate-list-table>. This list is under evaluation by ECHA and may subject to change in the future;
 - (b) Concerning article(s):

Notification: In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (i) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (ii) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w);

Inform: Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a

minimum, the name of that substance;

(c) Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(d) Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006.

Sample photo(s):



Fig.1



Fig.2

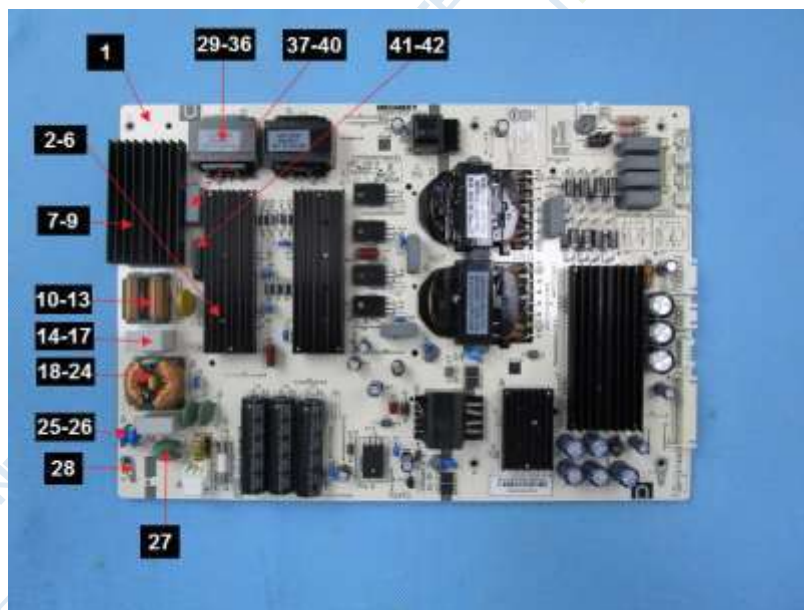


Fig.3

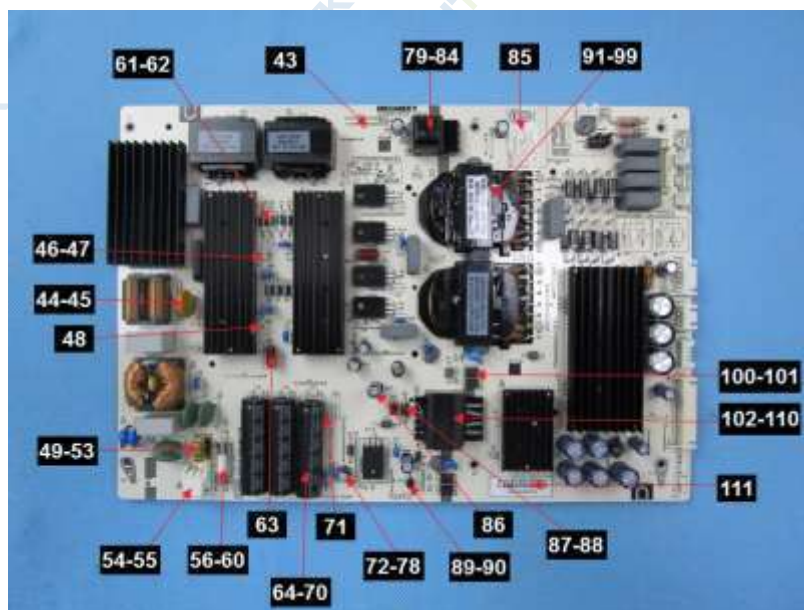


Fig.4

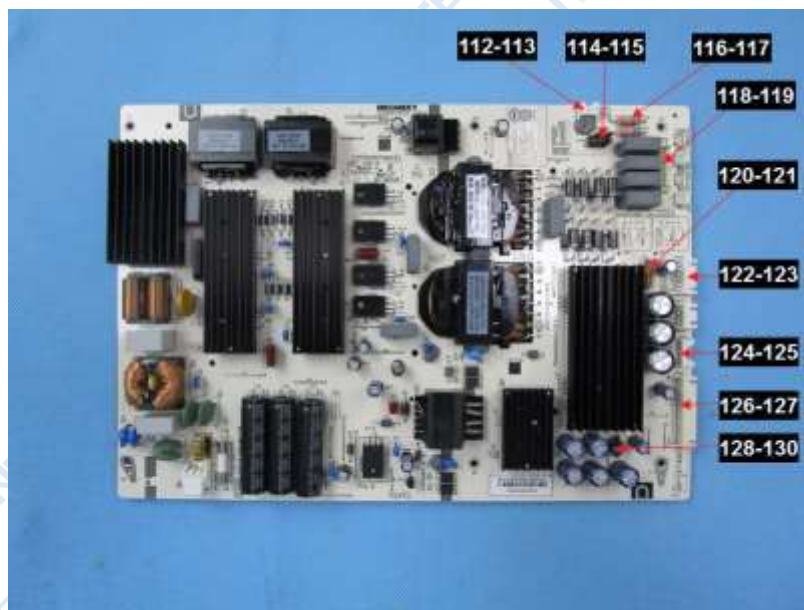


Fig.5

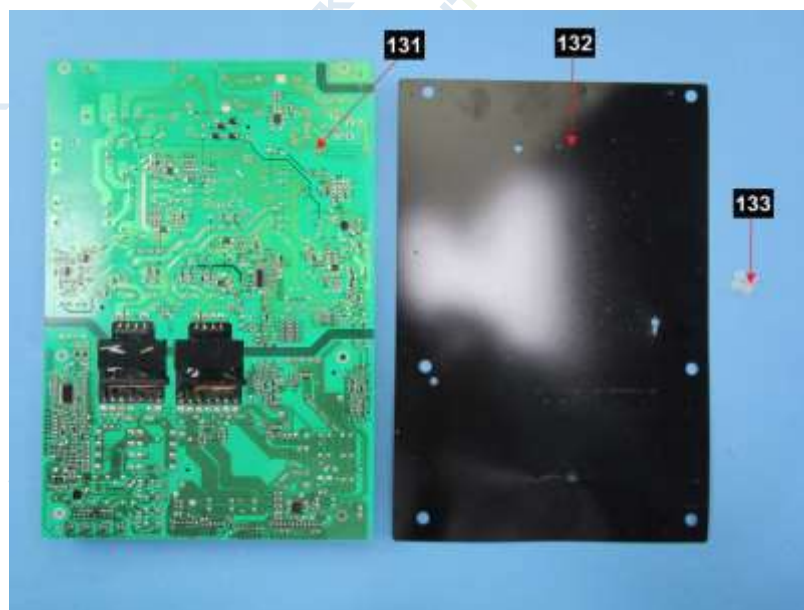


Fig.6



Fig.7



Fig.8

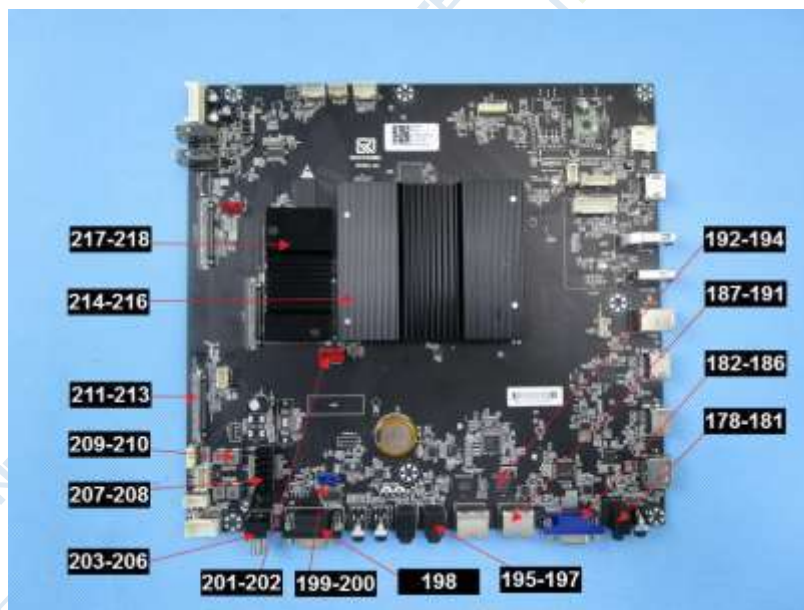


Fig.9



Fig.10



Fig.11

****End of Report****

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full.

TEST REPORT

Applicant: Wacebo Europe Srl
Address: Via Gianluigi Bonelli, 40-00127 Rome-Italy

The following sample(s) was/were submitted and identified on behalf of the client as:

Product name: Interactive LED Panel/Touch Screen Monitor/Touch Screen/Touch Monitor/
Interactive Flat Panel Display/Interactive LED Display/Interactive LED
Monitor
Model: E11L-C65B
Trade mark: DABLIU
Manufacturer: Wacebo Europe Srl
Address: Via Gianluigi Bonelli, 40-00127 Rome-Italy

Sample Received Jul. 13, 2022
Date:
Testing Period: Jul. 13, 2022~ Jul. 15, 2022

Test Requirement:

As specified by client, to assess the reuse/recycle/recovery of the submitted sample under article 11 and Annex V of Directive 2012/19/EU.

Test Result(s): Please refer to the following page(s);

Compiled by:

Dora

Reviewed by:

Glenn

Approved by:

Markus

Date:

2022-07-22

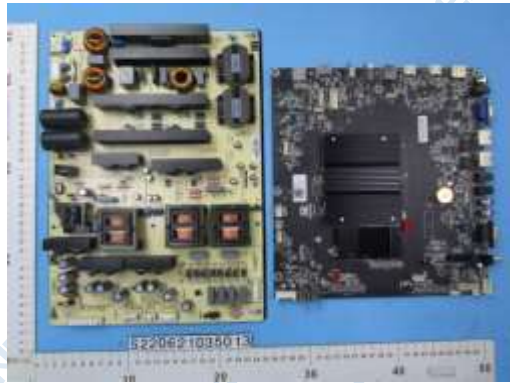
1. Product Description

Product Weight, g	1090.7 (battery not included)
Category under the WEEE directive	Screens, monitors, and equipment containing screens having a surface greater than 100 cm ²

2. Result of Reuse/Recycling/Recovery Assessments

Reuse/Recycling/Recovery	Reuse/Recycling Rate (%)	Recovery Rate (%)
Reuse/Recycling/Recovery Target of Products Under WEEE Directive	70	80
Result of Assessment	81.2	81.2
WEEE Compliance	Pass	Pass

3. Appearance of the Product

Item name		Photo
Product name	Interactive LED Panel/ Touch Screen Monitor/ Touch Screen/Touch Monitor/Interactive Flat Panel Display/Interactive LED Display/Interactive LED Monitor	
Model	E11L-C65B	

4. Disassembly Assessment

4.1 Disassembly Procedure

The product is disassembled into different parts and grouped by the type of material sharing common characteristic(such as plastic, metal, glass) based on the treatment requirements as set out in the WEEE Directive, followed by the current state of the art of recycling and recovery technology. In addition, the recycling is subject to the economic feasibility, disassembly tools, only bigger parts that can be easily separated are included in the recycling and reuse calculation. Other parts, respectively materials that cannot be separated by e.g. standard tools are classified as either unspecified materials or distributed to the relative waste fraction is expected with recovery rate.

4.2 Disassembly Time

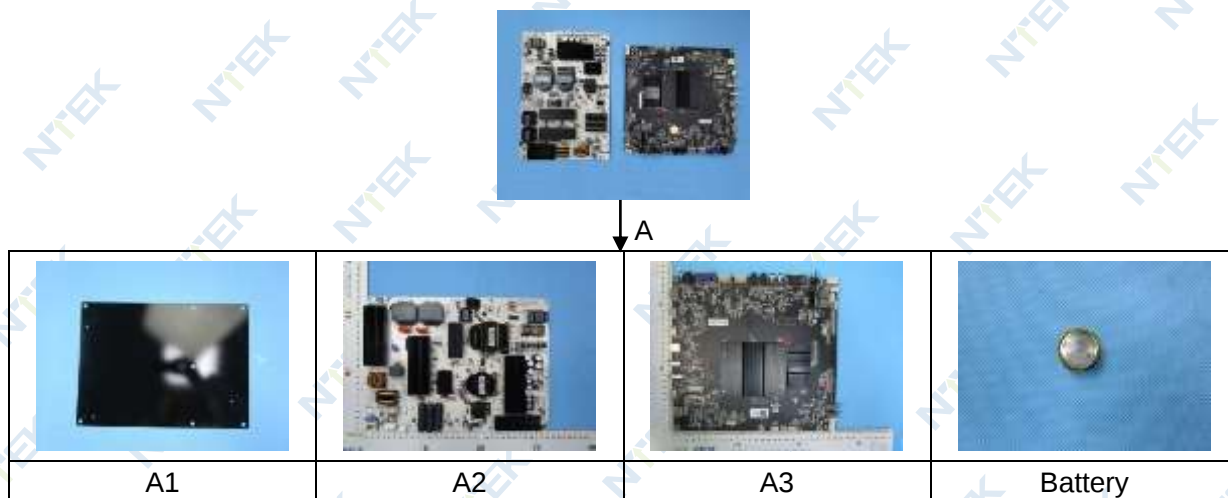
10 minutes

4.3 Disassembly tool

The disassembly tools used for this product show as following:

Disassembly Tool	Pictures
Screw driver tool set	
Cross screwdriver(s)	
Straight screwdriver(s)	
Scissor(s)	

4.4 Disassembly Tree



5. Selective Treatment for Materials and Components

According to Article 8(2) and the Annex VII of the WEEE Directive, this product contains components and materials items are described in the following table.

Component/Material	Photo No.	Size/Model	Quantity	Weight (g)
Printed circuit board assembly	A2	28.8cm×19.8cm	1.0	639.8
Printed circuit board assembly	A3	25.8cm×24.4cm	1.0	420.7

6. Material and Recycling Information

6.1 Material Reuse/Recycling and Recovery Table

Photo No.	Component / Material Composition	Weight (g)	Percent Weight (%)	Reuse / Recycling Rate(%)	Energy Recovery Rate(%)	Recovery Rate(%)
A1	Plastic parts	30.2	2.7	2.5	/	2.5
A2	Printed circuit board assembly	639.8	58.7	47.5	/	47.5
A3	Printed circuit board assembly	420.7	38.6	31.2	/	31.2
Total		1090.7	100	81.2		81.2

Note: Plastic containing brominated flame retardants is not assessed in the list

6.2 Reuse/Recycling and Recovery Rate Calculation

Calculation Method	
Product total weight	a (g)
Weight of components, sub-assemblies and consumables which are reused for their original purpose or recycled.	b (g)
Weight of materials or components where energy is recovered through incineration.	c (g)
Reuse / Recycling Rate	$b/a \times 100$ (%)
Recovery Rate	$(b+c)/a \times 100$ (%)

7. Requirement of WEEE Directive (2012/19/EU)**7.1 ANNEX VII of WEEE Directive****Selective treatment for materials and components of waste electrical and electronic equipment referred to in Article 8(2)**

As a minimum the following substances, mixtures and components have to be removed from any separately collected WEEE

- polychlorinated biphenyls (PCB) containing capacitors in accordance with Council Directive 96/59/EC of 16 September 1996 on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT),
- mercury containing components, such as switches or backlighting lamps,
- batteries,
- printed circuit boards of mobile phones generally, and of other devices if the surface of the printed circuit board is greater than 10 square centimetres,
- toner cartridges, liquid and paste, as well as colour toner,
- plastic containing brominated flame retardants,
- asbestos waste and components which contain asbestos,
- cathode ray tubes,
- chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC),
- gas discharge lamps,
- liquid crystal displays (together with their casing where appropriate) of a surface greater than 100 square centimeters and all those back-lighted with gas discharge lamps,
- external electric cables,
- components containing refractory ceramic fibres as described in Commission Directive 97/69/EC of 5 December 1997 adapting to technical progress for the 23rd time Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances,
- components containing radioactive substances with the exception of components that are below the exemption thresholds set in Article 3 of and Annex I to Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation,
- electrolyte capacitors containing substances of concern (height > 25 mm, diameter > 25 mm or proportionately similar volume). These substances, mixtures and components shall be disposed of or recovered in compliance with Directive 2008/98/EC.

7.2 Requirement of Reuse / Recycling Rate and Recovery Rate

According to article 11 and Annex V part 3 Minimum targets applicable by category from 15 August 2018 with reference to the categories listed in Annex III:

Categories of WEEE	Minimum Reuse / Recycling Rate	Minimum Recovery Rate
1. Temperature exchange equipment	80%	85%
2. Screens, monitors, and equipment containing screens having a surface greater than 100 cm ²	70%	80%
3. Lamps	80%	/
4. Large equipment (any external dimension more than 50 cm) including, but not limited to: Household appliances; IT and telecommunication equipment; consumer equipment; luminaires; equipment reproducing sound or images, musical equipment; electrical and electronic tools; toys, leisure and sports equipment; medical devices; monitoring and control instruments; automatic dispensers; equipment for the generation of electric currents. This category does not include equipment included in categories 1 to 3.	80%	85%
5. Small equipment (no external dimension more than 50 cm) including, but not limited to: Household appliances; consumer equipment; luminaires; equipment reproducing sound or images, musical equipment; electrical and electronic tools; toys, leisure and sports equipment; medical devices; monitoring and control instruments; automatic dispensers; equipment for the generation of electric currents. This category does not include equipment included in categories 1 to 3 and 6.	55%	75%
6. Small IT and telecommunication equipment (no external dimension more than 50 cm)	55%	75%

8. Recommendations for WEEE Directive Compliance

- (1) To make the product comply with the reuse/recycling/recovery target required under WEEE Directive (2012/19/EU) and other EU waste regulation, the applicant company should consider the product they design can be easily reused and recycled by selecting recyclable materials and components.
- (2) To make the product easily dismantled, less the disassembling time, the applicant company should design the product for easy disassembly by choosing easy separate techniques, avoiding the utilizing embedded components, designing the separable procedure.
- (3) The product should be subjected to the RoHS Directive (2011/65/EU), restricting using hazardous substance. In addition, the materials selected to design should consider the dangerous substance regulated or list under other environmental specifications, as Regulation (EC) 1907/2006(REACH), 67/548/EEC, etc.
- (4) In case that a product have new design, or employ materials or components, then the product should need to be reassessed and retested in accordance with the WEEE Directive for reuse/recycle/recycling target and RoHS for restricted substances requirement.
- (5) The applicant company should take attention to the future possible update concerning the WEEE Directive and related requirement.

****End of Report****

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full.

TEST REPORT

Report No.: S22062103507001

Product: Interactive LED Panel, Touch Screen Monitor, Touch Screen, Touch Monitor, Interactive Flat Panel Display, Interactive LED Display, Interactive LED Monitor

Model No.: E11L-C65B

Applicant: Wacebo Europe Srl

Address: Via Gianluigi Bonelli, 40-00127 Rome-Italy

Issued by: Shenzhen NTEK Testing Technology Co., Ltd.

Lab Location: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China.

Tel: 400-800-6106, 0755-2320 0050 / 2320 0090

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TEST REPORT

COMMISSION REGULATION (EU) 2019/2021

Implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for electronic displays

COMMISSION DELEGATED REGULATION (EU) 2019/2013

Implementing Directive (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of electronic displays

Report reference No.: S22062103507001

Date of issue: 2022-07-01

Testing laboratory: Shenzhen NTEK Testing Technology Co., Ltd.

Address: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China.

Testing location: as above

Applicant: Wacebo Europe Srl

Address: Via Gianluigi Bonelli, 40-00127 Rome-Italy

Standard: ☒ COMMISSION REGULATION (EU) 2019/2021
☒ COMMISSION DELEGATED REGULATION (EU) 2019/2013
☒ EN 50564: 2011
☒ EN 62087-3:2016 used in conjunction with EN 62087-1:2016

TRF originated by.: Shenzhen NTEK Testing Technology Co., Ltd.

TRF No.: ErP_2019/2021_A

Mater TRF: Dated 2019-10

Test procedure: Energy label test report

Non-standard test method: None

National deviations: None

Number of pages (Report): 24

Number of pages (Attachments): 1 page of label for LED monitor with energy efficiency classes ,
1 page of test equipment list

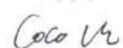
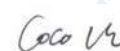
Compiled by: Elvis Chen

(+ signature)



Approved by: Coco Li

(+ signature)



Type of test object	Interactive LED Panel, Touch Screen Monitor, Touch Screen, Touch Monitor, Interactive Flat Panel Display, Interactive LED Display, Interactive LED Monitor
Model and/or type reference	E11L-C65B
Trade Mark	DABLIU
Rating(s)	Input: AC 100-240V, 50/60Hz, 1.8A
Manufacturer	Wacebo Europe Srl
Address	Via Gianluigi Bonelli, 40-00127 Rome-Italy
Sub-contractors/ tests (clause)	N/A
Address	N/A
Order description	N/A
Date of receipt of test item	2022-06-24
Date(s) of performance of test	2022-06-25 to 2022-06-30
Test item particulars:	
Classification of installation and use	☐ Desk-top; ☒ Wall mounted;
Supply Connection	Connect to AC mains
Power supply type	☒ internal; ☐ External; ☐ Standardised external
Screen size	114.10 dm ²
Screen diagonal	16.36dm, 64.42 inches
Resolution (H X V, pixels)	3840*2160
Image refresh frequency rate	60Hz
Nominal aspect ratio	16:9
Screen technology	LCD
Tuner type	No
Availability of off mode	Yes
Availability of standby mode	Yes
Availability of display function in standby mode	No
Networked electronic displays	No
Electronic displays with HiNA functionality:	No
Availability of networked standby mode	No
Availability of easily visible switch	Yes
Availability of automatic power-down	Yes
Availability of forced menu	No
Availability of Automatic Brightness Control(ABC)	No

ABC enabled by default.....:	No
Availability of touch functionality.....:	Yes
Availability of room presence sensor/detection sensor/occupancy sensor:	No
Availability of voice recognition sensor	No
Availability of High Dynamic Range (HDR) :	No

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

General remarks:	
"(see remark #)" refers to a remark appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a dot is used as the decimal separator. The test results presented in this report relate only to the object tested. This report shall not be reproduced except in full without the written approval of the testing laboratory.	

Comments:	
- All tests in this report is made on main model : E11L-C65B.	

Summary of testing:

The product meets the requirements of the implementation measure in the following directive(s):

- ☒ The sample(s) tested complies with the requirements of COMMISSION REGULATION (EU) 2019/2021;
- ☒ The sample(s) tested complies with the requirements of COMMISSION DELEGATED REGULATION (EU) 2019/2013

When determining the test conclusion, the Measurement Uncertainty of test has been considered.

For On mode:

Measurements of power of 0.50 W or greater was made with an uncertainty of less than or equal to 2 % at the 95 % confidence level.

Measurements of power of less than 0.50 W was made with an uncertainty of less than or equal to 0.01 W at the 95 % confidence level.

For standby mode:

The maximum permitted uncertainty of measurement depends on the size of the load and the characteristics of the load. The key characteristic of the load used to determine the maximum permitted uncertainty is the Maximum Current Ratio (MCR), which is calculated as follows:

$$\text{Maximum Current Ratio (MCR)} = \frac{\text{Crest Factor (CF)}}{\text{Power Factor (PF)}}$$

where

- the Crest Factor (CF) is the measured peak current drawn by the product divided by the measured r.m.s. current drawn by the product;
- the Power Factor (PF) is a characteristic of the power consumed by the product. It is the ratio of the measured real power to the measured apparent power.

a) Permitted uncertainty for values of MCR ≤ 10

For measured power values of greater than or equal to 1.0 W, the maximum permitted relative uncertainty introduced by the power measurement equipment, U_{mr} , shall be equal to or less than 2 % of the measured power value at the 95 % confidence level.

For measured power values of less than 1.0 W, the maximum permitted absolute uncertainty introduced by the power measurement equipment, U_{ma} , shall be equal to or less than 0.02 W at the 95 % confidence level.

b) Permitted uncertainty for values of MCR > 10

The value of U_{pc} shall be determined using the following equation:

$$U_{pc} = 0,02 \times [1 + (0,08 \times \{MCR - 10\})]$$

where U_{pc} is the maximum permitted relative uncertainty for cases where the MCR is > 10.

For measured power values of greater than or equal to 1.0 W, the maximum permitted relative uncertainty introduced by the power measurement equipment shall be equal to or less than U_{pc} at the 95 % confidence level.

For measured power values of less than 1.0 W, the permitted absolute uncertainty shall be the greater of U_{ma} (0.02 W) or U_{pc} when expressed as an absolute uncertainty in W (U_{pc} measured value) at the 95 % confidence level.

Copy of marking plate:



General product information:

Product name	Interactive LED Panel, Touch Screen Monitor, Touch Screen, Touch Monitor, Interactive Flat Panel Display, Interactive LED Display, Interactive LED Monitor
Power Source	Powered by internal power board Input: 100-240V~, 50/60Hz, 1.8A
Package	Main unit, AC power cord
Model difference	N/A

COMMISSION REGULATION (EU) 2019/2021 ANNEX II Ecodesign requirements			
Clause	Requirement – Test	Result - Remark	Verdict

A. ENERGY EFFICIENCY REQUIREMENTS

1.	Energy Efficiency Index limits for On-mode		P
	Energy Efficiency Index (EEI): $EEI = \frac{(P_{measured} + 1)}{(3 \times [90 \times \tanh(0,02 + 0,004 \times (A - 11)) + 4] + 3) + corr}$ A represents the screen area in dm ² ; P _{measured} is the measured power in Watts in on mode in the normal configuration, in standard dynamic range (SDR); 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.	See appended table	P
	From 1 March 2021		--
	EEI _{max} for electronic displays with resolution up to 2 138 400 pixels (HD): EEI _{max} ≤ 0.90;		N/A
	EEI _{max} for electronic displays with resolution above 2 138 400 pixels (HD) and up to 8 294 400 pixels (UHD-4k): EEI _{max} ≤ 1.10	See appended table	P
	From 1 March 2023		--
	EEI _{max} for electronic displays with resolution up to 2 138 400 pixels (HD): EEI _{max} ≤ 0.75;		--
	EEI _{max} for electronic displays with resolution above 2 138 400 pixels (HD) and up to 8 294 400 pixels (UHD-4k): EEI _{max} ≤ 0.90;		N/A
	EEI _{max} for electronic displays with resolution above 8 294 400 pixels (UHD-4k) and for MicroLED displays: EEI _{max} ≤ 0.90		N/A

B. ALLOWANCES AND ADJUSTMENTS FOR THE PURPOSE OF THE EEI CALCULATION AND FUNCTIONAL REQUIREMENTS (From 1 March 2021)

1.	Electronic displays with automatic brightness control (ABC)		--
	Electronic displays qualify for a 10 % reduction in P _{measured} , if they meet all of the following requirements:		--
1(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;		N/A
1(b).	the value of P _{measured} , 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;		N/A
1(c).	the value of P _{measured} with ABC disabled, if applicable, 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		N/A
1(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; and		N/A
1(e).	the ABC control of the display screen luminance meets all		N/A

COMMISSION REGULATION (EU) 2019/2021 ANNEX II Ecodesign requirements			
Clause	Requirement – Test	Result - Remark	Verdict
	of the following characteristics when the ambient light condition measured at the ABC sensor changes: - the measured screen luminance at 60 lux is between 65 % and 95 % of the screen luminance measured at 100 lux; - the measured screen luminance at 35 lux is between 50 % and 80 % of the screen luminance measured at 100 lux; and - the measured screen luminance at 12 lux is between 35 % and 70 % of the screen luminance measured at 100 lux.		
2.	Forced menu and set up menu		--
	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.		N/A
	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.		N/A
	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.		N/A
	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.		N/A
3.	Peak white luminance ratio		--
	In the normal configuration, the peak white luminance of the electronic display in a 100 lux ambient light viewing environment shall not be less than 220 cd/m² or, if the electronic display is primarily intended for close viewing by a single user, not less than 150 cd/m². 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.	$L_{normal} = 85.25 \text{ cd/m}^2$ $L_{brightest} = 85.25 \text{ cd/m}^2$ $\text{Ratio} = L_{normal} / L_{brightest} = 100.00\%$	P

C. OFF MODE, STANDBY MODE AND NETWORKED STANDBY MODE REQUIREMENTS
(From 1 March 2021)

COMMISSION REGULATION (EU) 2019/2021
ANNEX II Ecodesign requirements

Clause	Requirement – Test	Result - Remark	Verdict		
1.	Power demand limits other than on-mode		--		
	Electronic displays shall not exceed power demand limits in standby/networked standby modes and conditions listed in Table 2	See appended table	P		
				Standby mode (W)	Networked standby mode (W)
	Maximum limit			0.50	2.00
	Allowances for additional functions when present and enable				
	Status display			0.20	0.20
	Deactivation using room presence detection			0.50	0.50
	Touch functionality, if usable for activation			1.00	1.00
	HiNA function			00	4.00
	Total maximum power demand with all additional functions when present and enable			2.20	7.70
2.	Availability of off, standby and networked standby mode		--		
	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	Off mode 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				
	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		N/A		
	Networked electronic displays shall comply with the requirements for standby mode when networked standby mode is disabled		N/A		
3.	Automatic standby in televisions		--		
	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		N/A		

COMMISSION REGULATION (EU) 2019/2021
ANNEX II Ecodesign requirements

Clause	Requirement – Test	Result - Remark	Verdict
	the impending switch, with possibility of delaying or temporarily cancelling it.		
	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
	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
	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
4.	Automatic standby in displays other than televisions		--
	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 display and the switch completed within 10 minutes.		P
D. MATERIAL EFFICIENCY REQUIREMENTS (From 1 March 2021)			
1.	Design for dismantling, recycling and recovery		--
	Manufacturers, importers or their authorised representatives shall ensure that joining, fastening or sealing techniques do not prevent the removal, using commonly available tools, of the components indicated in point 1 of Annex VII of Directive 2012/19/EU on WEEE or in Article 11 of Directive 2006/66/EC of the European Parliament and of the Council (1) on batteries and accumulators and waste batteries and accumulators, when present.		P
	Manufacturers, importers or their authorised representatives shall, without prejudice to point 1 of Article 15 of Directive 2012/19/EU, make available, on a free-access website, the dismantling information needed to access any of the products components referred to in point 1 of Annex VII of Directive 2012/19/EU.		P
	This dismantling information shall include the sequence of dismantling steps, tools or technologies needed to access the targeted components.		P
	The end of life information shall be available until at least 15 years after the placing on the market of the last unit of a		P

COMMISSION REGULATION (EU) 2019/2021
ANNEX II Ecodesign requirements

Clause	Requirement – Test	Result - Remark	Verdict				
	product model.						
2.	Marking of plastic components		--				
	Plastic components heavier than 50g.		--				
2.(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				
	Plastic components are exempt from marking requirements in the following circumstances: 1) The marking is not possible because of the shape or size; 2) The marking would impact on the performance or functionality of the plastic component; and 3) Marking is technically not possible because of the molding method.		--				
	For the following plastic components no marking is required: 1) Packaging, tape, labels and stretch wraps; 2) Wiring, cables and connectors, rubber parts and anywhere not enough appropriate surface area is available for the marking to be of a legible size; 3) PCB assemblies, PMMA boards, optical components, electrostatic discharge components, electromagnetic interference components, speakers; 4) Transparent parts where the marking would obstruct the function of the part in question.		--				
2.(b)	Components containing flame retardants shall additionally be marked with the abbreviated term of the polymer followed by hyphen, then the symbol 'FR' followed by the code number of the flame retardant in parentheses. The marking on the enclosure and stand components shall be clearly visible and readable.		P				
3.	Cadmium logo		--				
	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: <table><tr><td>Cadmium inside</td><td>Cadmium free</td></tr><tr><td></td><td></td></tr></table>	Cadmium inside	Cadmium free				P
Cadmium inside	Cadmium free						

COMMISSION REGULATION (EU) 2019/2021
ANNEX II Ecodesign requirements

Clause	Requirement – Test	Result - Remark	Verdict
	The dimension of 'a' shall be greater than 9 mm and the typeface to be used is 'Gill Sans'.		
	An additional 'Cadmium inside' logo shall be firmly attached internally on the display panel or molded in a position clearly visible to workers once the external back cover bearing the external logo is removed.		P
	A 'Cadmium free' logo shall be used if concentration values of Cadmium (Cd) by weight in any homogeneous material part of the display do not exceed 0,01 % as defined in Directive 2011/65/EU.		P
4.	Halogenated flame retardants		--
	The use of halogenated flame retardants is not allowed in the enclosure and stand of electronic displays.		P
5.	Design for repair and reuse		--
5.(a)	Availability of spare parts: 1) Manufacturers, importers or authorised representatives of electronic displays shall make available to professional repairers at least the following spare parts: internal power supply, connectors to connect external equipment (cable, antenna, USB, DVD and Blue-Ray), capacitors, batteries and accumulators, DVD/Blue-Ray module if applicable and HD/SSD module if applicable for a minimum period of seven years after placing the last unit of the model on the market; 2) Manufacturers, importers or authorised representatives of electronic displays shall make available to professional repairers and end-users at least the following spare parts: external power supply and remote control for a minimum period of seven years after placing the last unit of the model on the market; 3) Manufacturers shall ensure that these spare parts can be replaced with the use of commonly available tools and without permanent damage to the appliance; 4) The list of spare parts concerned by point 1 and the procedure for ordering them shall be publicly available on the free access website of the manufacturer, importer or authorised representative, at the latest two years after the placing on the market of the first unit of a model and until the end of the period of availability of these spare parts; and 5) The list of spare parts concerned by point 2 and the procedure for ordering them and the repair instructions shall be publicly available on the manufacturer's, the importer's or authorised representative's free access website, at the moment of the placing on the market of the first unit of a model and until the end of the period of availability of		P

COMMISSION REGULATION (EU) 2019/2021
ANNEX II Ecodesign requirements

Clause	Requirement – Test	Result - Remark	Verdict
	these spare parts.		
5.(b)	Access to repair and maintenance information After a period of two years after the placing on the market of the first unit of a model or of an equivalent model, and until the end of the period mentioned under (a), the manufacturer, importer or authorised representative shall provide access to the appliance repair and maintenance information to professional repairers in the following conditions: 1) The manufacturer's, importer's or authorised representative's website shall indicate the process for professional repairers to register for access to information; to accept such a request, manufacturers, importers or authorised representative may require the professional repairer to demonstrate that: a) The professional repairer has the technical competence to repair electronic displays and complies with the applicable regulations for repairers of electrical equipment in the Member States where it operates. Reference to an official registration system as professional repairer, where such system exists in the Member States concerned, shall be accepted as proof of compliance with this point; b) The professional repairer is covered by insurance covering liabilities resulting from its activity, regardless of whether this is required by the Member State; 2) The manufacturers, importers or authorised representatives shall accept or refuse the registration within 5 working days from the date of request by the professional repairer; 3) Manufacturers, importers or authorised representatives may charge reasonable and proportionate fees for access to the repair and maintenance information or for receiving regular updates. A fee is reasonable if it does not discourage access by failing to take into account the extent to which the professional repairer uses the information.		P
	Once registered, a professional repairer shall have access to the requested repair and maintenance information within one working day after requesting it. The available repair and maintenance information shall include: 1) The unequivocal appliance identification; 2) A disassembly map or exploded view; 3) List of necessary repair and test equipment; 4) Component and diagnosis information (such as minimum and maximum theoretical values for measurements); 5) Wiring and connection diagrams; 6) Diagnostic fault and error codes (including manufacturer-specific codes, where applicable); and 7) Data records of reported failure incidents stored on the electronic display (where applicable).		P

COMMISSION REGULATION (EU) 2019/2021
ANNEX II Ecodesign requirements

Clause	Requirement – Test	Result - Remark	Verdict
5.(c)	Maximum delivery time of spare parts 1) during the period mentioned under point 5(a)(1) and point 5(a)(2), the manufacturer, importer or authorised representatives shall ensure the delivery of the spare parts for electronic displays within 15 working days after having received the order; 2) in the case of spare parts available only to professional repairers, this availability may be limited to professional repairers registered in accordance with point (b).		P
E. INFORMATION AVAILABILITY REQUIREMENTS (From 1 March 2021)			
	The product manufacturer, importer or authorised representative shall make available the information set out below when placing on the market the first unit of a model or of an equivalent model. The information shall be provided free of charge to third parties dealing with professional repair and reuse of electronic displays (including third party maintenance actors, brokers and spare parts providers).		N/A
1.	Availability of software and firmware updates		--
1.(a)	The latest available version of the firmware shall be made available for a minimum period of eight years after the placing on the market of the last unit of a certain product model, free of charge or at a fair, transparent and non-discriminatory cost. The latest available security update to the firmware shall be made available until at least eight years after the placing on the market of the last product of a certain product model, free of charge.		N/A
1.(b)	Information on the minimum guaranteed availability of software and firmware updates, availability of spare parts and product support shall be indicated in the product information sheet as from Annex V of Regulation (EU) 2019/2013.		N/A

COMMISSION DELEGATED REGULATION (EU) 2019/2013			
ANNEX II Energy labelling requirements			
Clause	Requirement – Test	Result - Remark	Verdict

[illegible]

COMMISSION DELEGATED REGULATION (EU) 2019/2013
ANNEX II Energy labelling requirements

Clause	Requirement – Test	Result - Remark	Verdict
1.(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;		N/A
1.(b)	the value of P_{measured} , 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;		N/A
1.(c)	if applicable, the value of P_{measured} 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		N/A
1.(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; and		N/A
1.(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: - the measured screen luminance at 60 lux is between 65 % and 95 % of the screen luminance measured at 100 lux; - the measured screen luminance at 35 lux is between 50 % and 80 % of the screen luminance measured at 100 lux; and - the measured screen luminance at 12 lux is between 35 % and 70 % of the screen luminance measured at 100 lux.		N/A

Table 1	Test parameters for measurements
Ambient temperature (°C):	23.5
Air speed (m/s):	0.07
Test voltage in V:	230V~
Test frequency in Hz:	50 Hz
Total harmonic distortion (THD) of the electricity supply system:	0.742%
Screen area A (dm ²):	114.10 dm ² (H dm X V dm)
Input terminal for the audio and video test signals:	☒ HDMI terminal; ☒ DisplayPort; ☐ DVI; ☒ VGA; ☒ Audio-Video in; ☐ SCART; ☐ RF in; ☐ Thunderbolt; ☐ Others:
Audio and video signals for test:	For on mode power test: ☒ Dynamic broadcast-content video signal (video content_BD_50) according to Clause 6.2.4 of EN 62087-3:2016 (Resolution: 1920 x 1080, frame rate: 50Hz); For peak luminance test: ☒ Three bars of white (100 %) over a black (0 %) background image (video-content_BD) according to Clause 6.2.5 of EN 62087-3:2016 (Resolution: 1920 x 1080, frame rate: 50Hz)
Standby/Off/network standby/another mode power consumption was determined by:	☐ Sampling method; ☒ Average reading method
Electronic displays setting selected:	☐ Force menu, normal configuration; ☒ Out-of-the-box setting, normal configuration.

Table 2	Light source configuration:
Nearest test room Light source 1,5 m ± 0,1 m ABC sensor 0° ± 5° Illuminance measuring instrument or ND filter immediately in front of ABC sensor assembly Table (optional) 0,5 Table not beyond front of stand	

Table 3 Set-up and circuits used for electrical testing in accordance with EN 50564:2011 Annex B.4:

Where the connection arrangement can be configured, it is selected as below:

1, Lower powers: $I_m \leq V_s \times \sqrt{\frac{1}{(R_a \times R_v)}}$ then use the connection arrangement in B.1;

2, Higher powers: $I_m > V_s \times \sqrt{\frac{1}{(R_a \times R_v)}}$ then use the connection arrangement in B.2;

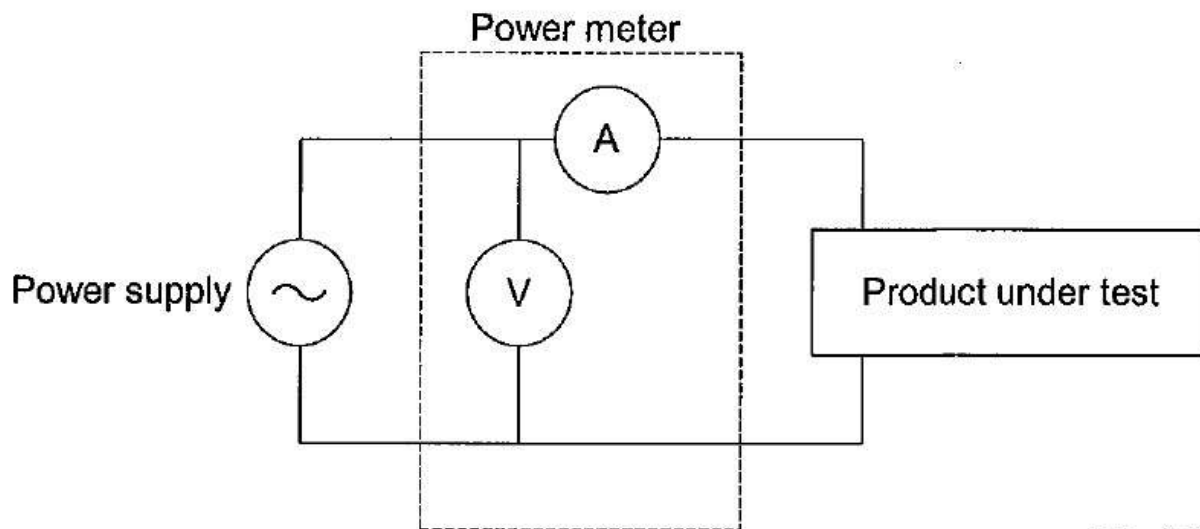
where

- I_m is the measured r.m.s. current of the load in amps (A);
- V_s is the supply voltage (V);
- R_a is the resistance of the current shunt for the selected current range (in ohm);
- R_v is the resistance of the voltmeter (in ohm);

Rating parameter for WT310 power analyzer as below:

- Voltage input resistance R_v 10 MOhm (10 000 000 ohm)
- Current shunt resistance R_a 500 MOhm (0,500 ohm) is for output, Max. 2 A

$\begin{matrix} V_s \\ \text{Vs x} \\ R_a \end{matrix}$	$\frac{1}{(R_a \times R_v)}$		
	100 (V)	115 (V)	230 (V)
0,500 (ohm)	0,0447 (A)	0,0514 (A)	0,1029 (A)



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Figure B.1 – Connection arrangement for product powered directly from an a.c power supply for low power load

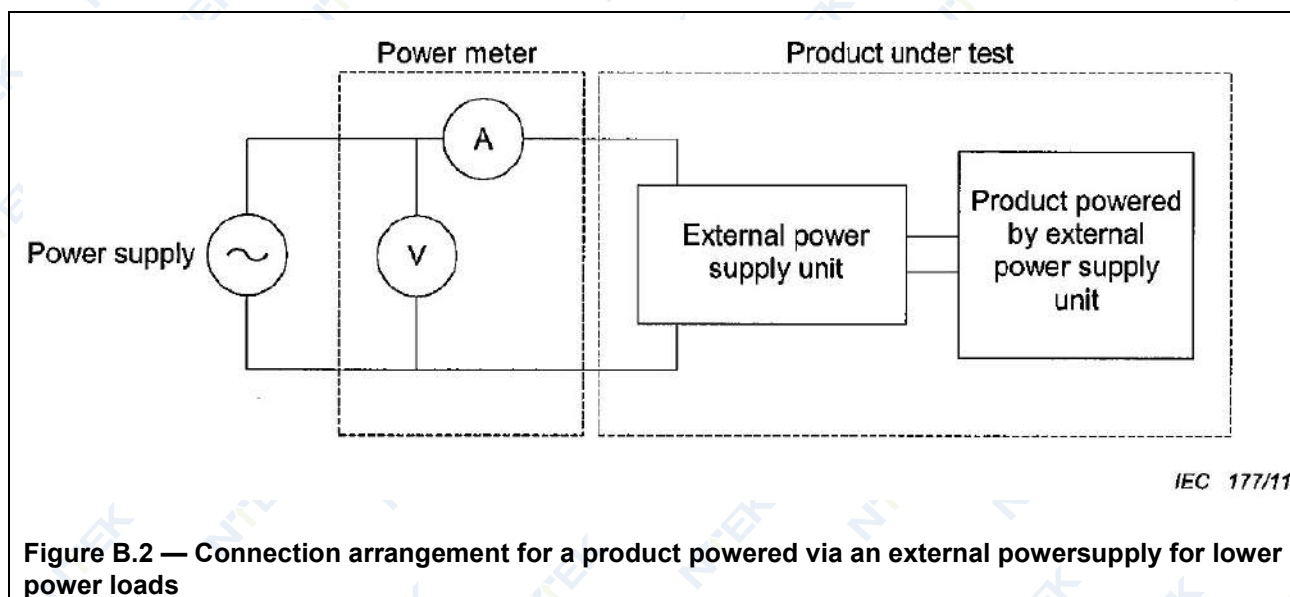


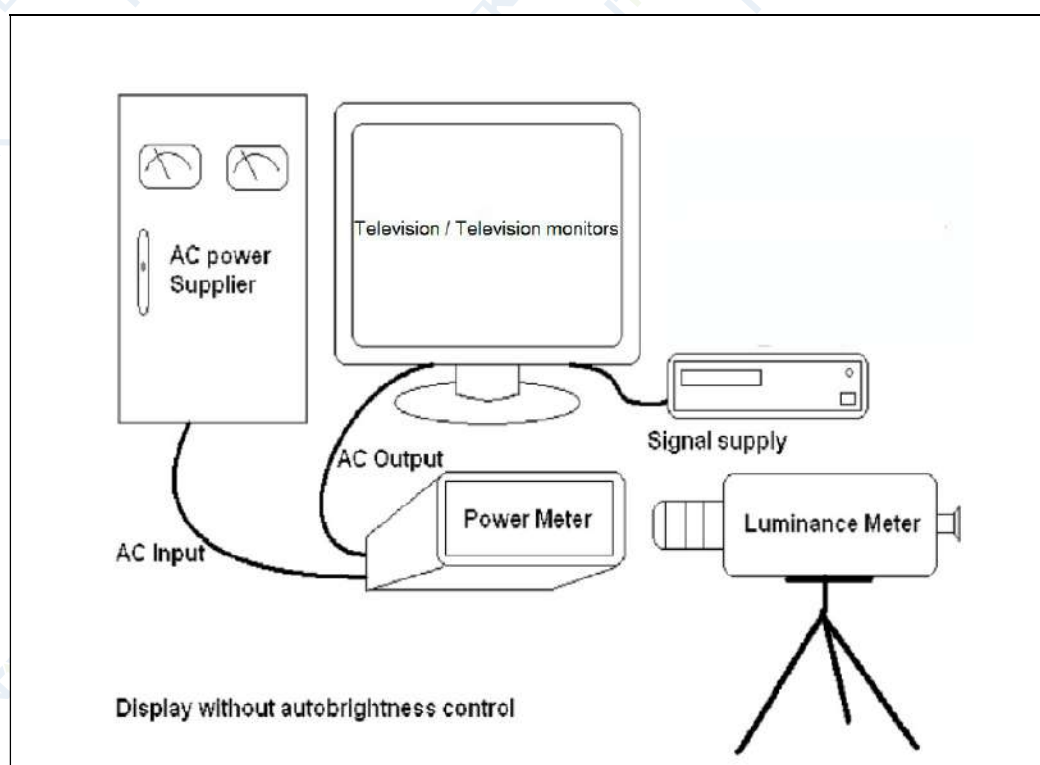
Table 4	Test result			P
Operating mode(s)	Measured (W)	Limit (W)		
Off-mode condition:	0	0.30		
		Max.	Allowance	total
Standby-mode condition:	0.61	0.50	1.00	1.50
Network standby-mode condition:	--	0.20	--	--
Another condition which does not exceed the applicable power demand requirements respectively for standby or networked standby mode:	--	--	--	--
Description of how the appliance mode was selected or programmed:	--			
Sequence of events to reach the mode where the equipment automatically changes modes:	--			
Test item(s)	Measured			
Electronic displays without automatic brightness control (ABC)				
On-mode power P_{measured} (W) :	57.1			
Peak luminance in normal configuration L_{normal} (cd/m ²) :	85.25			
Peak luminance in brightest on mode configuration $L_{\text{brightest}}$:	85.25			
Ratio of the peak luminance $L_{\text{normal}} / L_{\text{brightest}}$	100.00%		> 65%	
Electronic displays with automatic brightness control (ABC)				
On-mode power P_{measured} :	--			
On-mode power at ABC disabled $P_{\text{measured_ABC_disabled}}$:	--			
On-mode power at 100 lux ambient light at the ABC sensor $P_{\text{measured_ABC_100}}$:	--			
On-mode power at 12 lux ambient light at the ABC sensor $P_{\text{measured_ABC_12}}$:	--			
Peak luminance in normal configuration at 100 lux ambient light at the ABC sensor $L_{\text{normal_ABC_100}}$:	--			
Peak luminance in normal configuration at 100 lux ambient light at the ABC sensor $L_{\text{normal_ABC_60}}$:	--			
Peak luminance in normal configuration at 100 lux ambient light at the ABC sensor $L_{\text{normal_ABC_35}}$:	--			
Peak luminance in normal configuration at 100 lux ambient light at the ABC sensor $L_{\text{normal_ABC_12}}$:	--			
Peak luminance in brightest on mode configuration at 100 lux ambient light at the ABC sensor $L_{\text{brightest_ABC_100}}$:	--			

Ratio of the peak luminance $L_{\text{normal_ABC_100}} / L_{\text{brightest_ABC_100}}$		--	> 65%
Sequence of steps for achieving a stable condition with respect to power consumption:		The product has been in the off mode or, if an off-mode is not available, in standby mode, for a minimum of 1 hour immediately followed by a minimum of 1 hour in the on mode and shall be completed before a maximum of 3 hours in on-mode. The relevant video signal shall be displayed during the entire on mode duration.	
Test item(s)	Measured	Limit	
Energy Efficiency Index (EEI):	0.465	1.1. (from 1 March 2021)	0.90 (from 1 March 2023)
For the networked electronic displays only:			
The number and type of network interfaces and, except for wireless network interfaces, their position in the electronic displays, the trigger to be used to reactivate the electronic display:	No.	Type	Location
	1	Wi-Fi	N/A
	2	LAN	Rear of product
	3	HDMI	Rear of product
whether networked electronic display provides functionality allowing the power management function and/or the end-user to switch the electronic display from networked standby mode into standby mode, or off mode or another condition:			--

Attachment A: Component List

Object	Manufacturer	Model	Technical data
LCD Panel	Optoelectronics Display Semiconductor Technology Co., Ltd.	SG6451D02-3	65 inch LCD with LED backlight

Attachment B: Measurement set up and equipment used.



Attachment C: Test equipment list

ID No.	Equipment	Model	Brand/Manufacturer	Calibration date
LSS-238	Luminance Meter	LS-150	KONICA MINOLTA	2023-03-28
LSS-010	AC Power source	WE-3130	Shenzhen WEST	--
LSS-020	Stop watch	PC396	HuiBo	2023-03-29
LSS-099	Digital Oscilloscope	TDS3012	Tektronix	2023-03-29
LSS-140	DVD	DVD_50	IEC	--
LSS-142	DVD	DVD_BD_50	IEC	--
LSS-182	Power meter	WT310	YOKOGAWA	2022-08-03
LSS-283	Temperature and Humidity Recorder	DWL-20	YUWESE	2023-03-28
LSS-233	Measuring Tape	DK-2041	Pro'sKit	2023-03-29

Attachment D: Picture of the product



Fig. 1 – Outside view_1



Fig. 2 –Outside view_2

=====END OF TEST REPORT=====



DABLIUTOUCH



**Imballo
esterno**

**PAP
20**



Carta

**Imballo
di protezione**

**PAP
21**



Carta

**Pellicola
di protezione**

**LDPE
4**



Plastica

**Supporto
di protezione**

**LDPE
4**



Plastica

Sacchetto

**LDPE
4**



Plastica

**Supporto
di fissaggio**

**PP
5**



Plastica

Reggetta

**PET
1**



Plastica

Pallet

**FOR
50**



**Raccolta
differenziata**

VERIFICA SEMPRE LE DISPOSIZIONI DEL TUO COMUNE