



# Product Compliance Datasheet

**MARKETING NAME .....: P2422HE**

**REGULATORY MODEL.....: P2422HEc**

**REGULATORY TYPE.....: NA**

**EMC EMISSIONS CLASS.....: B**

**EFFECTIVE DATE.....: July 28, 2021**

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# I. Statement of Compliance

This product has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the product is marketed. The product is affixed with regulatory marking and text as necessary for the country/agency. Dell manufacturers and markets Multimedia Equipment (MME), Information Technology Equipment (ITE), Audio Visual Equipment (A/V), Industrial, Scientific, Medical Equipment (ISM) or combinations of these. Generally, products Electromagnetic Compatibility (EMC) and Product Safety compliance is based on International IEC and CISPR standards and their national equivalent along with national standards for Radio (wireless), Telecommunications (Modem) and Energy. Dell products have been verified to comply with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU of the European Parliament and the Council. Dell product does not contain any of the restricted substances in concentrations and applications not permitted by the RoHS Directive.

EMC Emissions Class refers to one of the following use environments:

- EMC Class B product is intended for use in residential/domestic environments but may also be used in nonresidential/non-domestic environments.
- EMC Class A product is intended for use in non-residential/non-domestic environments. Class A product may also be utilized in residential/domestic environments but may cause interference and require the user to take adequate corrective measures.

For Product Safety and EMC compliance, this product has been assigned a unique regulatory model and regulatory type that is imprinted on the product regulatory labeling to provide traceability to the regulatory approvals noted on this datasheet. This datasheet applies to any product that utilizes the assigned regulatory model and type including marketing names other than those listed on this datasheet. Dell products with the CE marking have been verified to comply with Energy Related Products (ErP) Directive 2009/125/EC of the European Parliament and of the Council. [https://www.dell.com/ErP\\_User\\_Information](https://www.dell.com/ErP_User_Information). REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), Regulation (EC) 1907/2006 of the European Parliament and of the Council is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH regulation. For information on SVHC (Substances of Very High Concern), see [www.dell.com/REACH](http://www.dell.com/REACH). This products compliance documentation, such as this datasheet and the European Union Declaration of Conformity are available on the product support page, manuals tab <http://www.dell.com/support>. Additional compliance documentation for the product is available upon submitting a request at <https://support.dellproductcompliance.com>. Please include product identifiers such as marketing name, regulatory model, regulatory type, and country that compliance information is needed in the email request.



## II. Global Environmental Information

| Environmental (Voluntary Marks)                                   |               |                                                                   |
|-------------------------------------------------------------------|---------------|-------------------------------------------------------------------|
| Country                                                           | Approval      | Compliance                                                        |
| Global                                                            | ENERGY STAR   | Certified                                                         |
| Global                                                            | TCO Certified | Certified                                                         |
| China                                                             | CECP          | Certified                                                         |
| China                                                             | CEC           | Certified                                                         |
| Varies by Country<br>See <a href="http://EPEAT.net">EPEAT.net</a> | EPEAT         | Refer to EPEAT.net for specific registration levels and countries |

Adapter Certification and Declaration (Applicable only if product uses an external adapter)

| Adapter Certification and Declarations |                                          |
|----------------------------------------|------------------------------------------|
| Country                                | Authority/Mark                           |
| Australia/New Zealand                  | Australia/NZ MEPS                        |
| Canada                                 | NRCan                                    |
| US – California Energy Commission      | Adapter & Battery Charger                |
| European Union                         | Commission Regulation (EU) No. 2019/1782 |
| South Korea                            | South Korea MEPS                         |

## III. NFPA 99 Conformity

Select Dell systems have been tested and found to comply with the touch current requirements as defined in 10.3.5 of National Fire Protection Association standard NFPA 99:2012. The touch current does not exceed 100  $\mu$ A with ground wire intact (if a ground wire is provided) and 500  $\mu$ A with ground disconnected at 127 V AC, 60 Hz when tested in accordance with 10.3.5 of NFPA 99: 2012. To determine if this product complies with the above requirements, send a request to [Product\\_Compliance@Dell.com](mailto:Product_Compliance@Dell.com). Please include product identifiers such as marketing name, regulatory type and country for which compliance information is needed.

## IV. Power Cords and User Documentation

Dell products are provided with the power cord and user documentation suitable for the intended country of delivery. Products that are relocated to other countries should use nationally certified power cords and plugs to ensure safe operation of the product. Contact Dell to determine if alternate power cords or user documentation in other languages is available for your market.



## V. Trade (Import/Export) Compliance Data

For any questions related to importing & exporting classification of Dell products, please obtain information from the following link: <http://www.dell.com/learn/us/en/uscorp1/import-export> or send email request to [WW\\_Export\\_Compliance@dell.com](mailto:WW_Export_Compliance@dell.com). Please include product identifiers such as marketing name, regulatory model, regulatory type, and country that compliance information is needed in the email request.

## VI. Product Dimensions and Weight

For Display & Client Peripherals products please refer to the edoc/user manual/spec on Dell.com support for weight and dimension information.

## VII. Product Energy Performance Data

For additional information on how Dell's commitment to energy efficiency benefits you go to: [Reducing your Footprint](#)

For additional information on ENERGY STAR models refer to the following database: [ENERGY STAR Product Finder](#)



| Items                      | Energy Value                                                                            | BTU Calculation | Defintions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|-----------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Off Mode (W)               | 0.2                                                                                     | 0.68            | As defined in EU 2019/2021 and EU 2019/2013<br>'off mode' means a condition in which the electronic display is connected to the mains power source and is not providing any function: the following shall also be considered as off mode:<br>(1) conditions providing only an indication of off mode condition;<br>(2) conditions providing only functionalities intended to ensure electromagnetic compatibility pursuant to Directive 2014/30/EU of the European Parliament and of the Council (1); |
| Standby Mode (W)           | 0.3                                                                                     | 1.03            | As defined in EU 2019/2021 and EU 2019/2013<br>'standby mode' means a condition where the electronic display is connected to the mains or DC power source, depends on energy input from that source to work as intended and provides only the following functions, which may persist for an indefinite time:<br>— reactivation function, or reactivation function and only an indication of enabled reactivation function; and/or<br>— information or status display;                                 |
| On Mode (W)                | 14.5                                                                                    | 49.59           | As defined in EU 2019/2021 and EU 2019/2013<br>on mode' or 'active mode' means a condition in which the electronic display is connected to a power source, has been activated and is providing one or more of its display functions;                                                                                                                                                                                                                                                                  |
| Networked Standby mode (W) | NA                                                                                      | NA              | As defined in EU 2019/2021 and EU 2019/2013<br>'networked standby mode' means a condition in which the electronic display is able to resume a function by way of a remotely initiated trigger from a network interface;                                                                                                                                                                                                                                                                               |
| Max (W)                    | 118                                                                                     | 403.56          | According to Userguide. Max brightness and contrast setting with maximum power loading on all USB ports. The system is running programs to maximize the power consumption.                                                                                                                                                                                                                                                                                                                            |
| Pon (W)                    | 14.79                                                                                   | 50.58           | Reference to Energy Star Version 8 Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TEC (KWH)                  | 48.08                                                                                   | 164.43          | Reference to Energy Star Version 8 Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Ext Power Supply           | NA                                                                                      | NA              | Portables only! AC adapter is tested with no load attached                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Ext Power Supply           | NA                                                                                      | NA              | Portables only! AC adapter is tested with active load attached                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Items                      | Rating/Value/Links                                                                      |                 | Defintions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EEI Grade                  | D                                                                                       |                 | As defined in EU 2019/2021 and EU 2019/2013                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EU EPREL URL               | <a href="https://eprel.ec.europa.eu/qc/549713">https://eprel.ec.europa.eu/qc/549713</a> |                 | EU EPREL Registration Website link                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### Energy Consumption<sup>1</sup>

Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. Click [here](#) for Dell's Energy efficient products.

\*Energy Consumption results are based solely upon the laboratory testing of the System Configuration and in accordance to the described service level. Energy consumption is tested at 230 Volts / 50 Hz.

<sup>1</sup> This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components, and peripherals you ordered. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied. For more details visit <https://www.dell.com/learn/us/en/uscorp1/dell-environment>



## VIII. Product Materials Information

Information on Dell's material use is available [here](#).

Dell's Restricted Material for Use guidance document is available [here](#).

|                                                                                                                                                                                                                                     |                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical plastic parts <sup>1</sup> are BFR/PVC free                                                                                                                                                                              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA                                                                                        |
| Marking of plastics parts is in accordance with ISO 11469 (see below)                                                                                                                                                               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA                                                                                        |
| Printed circuit boards (without components) >0.5g are BFR PVC free <sup>1</sup>                                                                                                                                                     | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA                                                                                        |
| Insulation materials of external electrical cables are PVC free                                                                                                                                                                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA                                                                                        |
| Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free)                                                                                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                    |
| Postconsumer recycled Plastics (ITE-Derived) <sup>1</sup> material content is used in the product<br><br>If yes, indicate the percentage of the postconsumer recycled material per total plastic weight of the product <sup>2</sup> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA<br><br><u>84.5</u> % PCR (Post Consumer Recycled) material in total plastic of product |
| Biobased Plastic material <sup>3</sup> content is used in the product.<br><br>If yes, indicate the percentage of the biobased plastic material per total plastic weight of the product                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA<br><br><u>0</u> % biobased plastic material in total plastic of product                |

### Flame Retardants Used in Motherboard

| Part              | List the Flame Retardants                 |
|-------------------|-------------------------------------------|
| PCB <sup>4</sup>  | Halogen-free Organic Phosphates Compounds |
| PCBA <sup>5</sup> | Halogen-free (BR/CL-free) Flame retardant |

<sup>1</sup> This product contains x% post-consumer recycled plastic and/or closed loop recycled plastics (ITE-derived)\*  
\*(Measured as a percentage of total amount of plastic (by weight) in the product as per guidance in TCO standard as applies to plastic parts.)

<sup>2</sup> % May be the same as declared in ENV0025 for Display

<sup>3</sup> Bio-based plastics are fully or partially made from biological resources, rather than fossil raw materials. They are not necessarily compostable or biodegradable. It is important to examine the full life cycle of bio-based plastics, to ensure that they are beneficial to the environment beyond the reduction in use of fossil resources. This includes littering and changes in land use

<sup>4</sup> A PCB is a blank circuit board with no electronic components attached

<sup>5</sup> PCBA is a completed assembly that contains all of the components required for the board to function as needed for the desired application



## Flame Retardants Used in Mechanical Plastic Parts

The case material is ABS , PC+ABS

| Resin Material Name | Plastic Part Marking per ISO 11469:2016 | Flame Retardant Marking per ISO 1043-4 (i.e. FR(16), FR(40), etc.) | List the Flame Retardants used on (i.e. BPA, etc) | List applicable R-Phrase(s) or Hazard Statement(s) per EU Directive 67/548/EEG or 1272/2008 |
|---------------------|-----------------------------------------|--------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------|
| ABS                 | >ABS(REC85)<                            | NA                                                                 | NA                                                | None                                                                                        |
| PC+ABS              | >PC+ABS-FR(40)(REC85)<                  | FR(40)                                                             | Halogen-free Organic Phosphates Compounds         | None                                                                                        |

## Mercury Information

| Number of bulbs | Average per bulb |
|-----------------|------------------|
| 0               | 0 mg             |

### Additional information:

- Refer to Dell Technologies' [Chemical Use Policy](#) for more information on RoHS and REACH.
- Products MSDS (Material Safety Data Sheets):
  - Batteries: [Battery MSDS Documentation and Declaration](#)
  - Printer Toner and Ink: [MSDS Documentation](#)



## IX. Packaging

Information on Dell's sustainable packaging effort available [here](#). Additional materials restricted in Packaging as per Dell's Material Restricted for Use Standard document can be found at [www.dell.com/restrictedsubstanceslist](http://www.dell.com/restrictedsubstanceslist).

| Packaging Materials                         | Total Weight of each Packaging Material (kg) | % Post Consumer Recycled Material <sup>6</sup> used | % Pre-Consumer Material <sup>7</sup> used |
|---------------------------------------------|----------------------------------------------|-----------------------------------------------------|-------------------------------------------|
| Carton box (Corrugated Fibred Board)        | 1.055                                        | 90                                                  | 0                                         |
| Cushion – Molded paper pulp                 | 0.42                                         | 100                                                 | 0                                         |
| Cushion – Paperboard                        | 0.585                                        | 100                                                 | 0                                         |
| Cushion – Expanded Polyethylene (EPE)       | 0.0146                                       | 0                                                   | 0                                         |
| Plastic bags – Others (Mixture LDPE & HDPE) | 0.045                                        | 0                                                   | 0                                         |

## X. Batteries

Below is a listing of batteries that could be present in the product:

| Battery Description – Batteries  | Battery Type | Battery Weight (kg) | Rating (Wh) |
|----------------------------------|--------------|---------------------|-------------|
| AA or AAA Remote Control Battery | NA           | NA                  | NA          |

## XI. Design for Environment

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing. For more information on Dell's Environmental product attributes click [here](#).

## XII. Recycling / End-of-Life Service Information

Take back and recycling services are offered for this product in certain countries. If you want to dispose of system components, please visit [How to Recycle | Dell Technologies US](#) and select the relevant country.

<sup>6</sup> Post-consumer recycled materials are derived from used consumer products

<sup>7</sup> Pre-consumer Material<sup>7</sup>: Material or by-products generated during the manufacturing of a product but before the product reaches the end-use consumer





## XIII. Helpful Links

- **Environmental Policy**  
[https://i.dell.com/sites/csdocuments/Corporate\\_corp-Comm\\_Documents/en/dell-global-environmental-policy.pdf](https://i.dell.com/sites/csdocuments/Corporate_corp-Comm_Documents/en/dell-global-environmental-policy.pdf)
- **Social Impact - Progress Made Real**  
<https://corporate.delltechnologies.com/en-id/social-impact.htm>
- **Advancing Sustainability**  
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability.htm>
- **ISO 14001 Certification**  
[ISO Certification Certificate Environmental 14001 \(delltechnologies.com\)](https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/sustainable-products-and-services/product-carbon-footprints.htm)
- **Materials Restricted for Use**  
[www.dell.com/restrictedsubstanceslist](http://www.dell.com/restrictedsubstanceslist)
- **Chemical Use Policy**  
<http://i.dell.com/sites/doccontent/corporate/environment/en/Documents/chemical-use-policy.pdf>
- **Product Carbon Footprint**  
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/sustainable-products-and-services/product-carbon-footprints.htm>
- **RoHS Compliance**  
<https://dellproductcompliance.atlassian.net/servicedesk/customer/portal/6/topic/4ef197b3-28bb-4ff8-96ce-0fcb642ecf8f/article/10289411>
- **REACH Compliance**  
[www.dell.com/REACH](http://www.dell.com/REACH)
- **Recycling Information**  
<http://www.dell.com/recycling>
- **Supplier Responsibility – Champion the Many People**  
<https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/champion-the-many-people.htm>



## Appendix A: ErP Lot 5 Network Standby Energy Consumption Information

For Display, please refer to European Union (EU) ErP Lot 5 (Commission Regulation (EC) No 2019/2021). Data information in EPREL to be provided by the supplier. Refer to Section Product Energy Information Data.



## Appendix B: France – Consumer Information about product environmental qualities and characteristics

| Fiche produit relative aux qualités ou caractéristiques environnementales<br>Product Sheet relating to Environmental Qualities or Characteristics |                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (cf. Articles R. 541-221 et R. 541-222 du Code de l'environnement)<br>(See Articles R.541-221 and R.541-222 of the Environmental Code)            |                                                                                                                                                                                                                                                                                                                  |
| Référence du modèle donnée par le producteur ou l'importateur<br>(Model reference given by Producer or importer)                                  | <b>Marketing Model No. : P2422HE</b><br><b>Regulatory Model No. : P2422HEc</b>                                                                                                                                                                                                                                   |
| <b>Qualité / caractéristique environnementale<br/>(Quality/Environmental Characteristic)</b>                                                      |                                                                                                                                                                                                                                                                                                                  |
| Incorporation de matière recyclée<br>(Incorporation of recycled material)                                                                         |                                                                                                                                                                                                                                                                                                                  |
| Produit (Product)                                                                                                                                 | Produit comportant au moins 84.5% de matières recyclées. Voir la section 'Product Materials Information' du présent document pour plus de détails<br><br>(en anglais) Product containing at least 84.5% of recycled materials. See the 'Product Materials information' section of this document for more details |
| Emballage (Packaging)                                                                                                                             | Emballage comportant au moins 0% et jusqu'à 80% de matières recyclées. Voir la section 'Packaging' du présent document pour plus de détails (en anglais)<br>Packaging containing at least 0% and up to 80% recycled materials. See the 'Packaging' section of this document for more details.                    |
| Batterie (Battery)                                                                                                                                | Batterie comportant au moins 0% de matières recyclées<br>Battery with at least 0% recycled content                                                                                                                                                                                                               |
| Recyclabilité (Recyclable)                                                                                                                        |                                                                                                                                                                                                                                                                                                                  |
| Produit (Product)                                                                                                                                 | Produit majoritairement recyclable<br>Majority of the Product recyclable                                                                                                                                                                                                                                         |
| Emballage (Packaging)                                                                                                                             | Emballage majoritairement recyclable<br>Majority of the Packaging recyclable                                                                                                                                                                                                                                     |
| Présence de métaux précieux<br>(Presence of Precious Metals)                                                                                      | Contient au moins 1 milligramme de métaux précieux<br>Contains at least 1 milligram of precious metals                                                                                                                                                                                                           |
| Présence de terres rares<br>(Presence of rare earths)                                                                                             | Contient au moins 1 milligramme de terres rares<br>Contains at least 1 milligram of rare earths                                                                                                                                                                                                                  |
| Présence de substances dangereuses<br>(Presence of Hazardous substances)                                                                          | Contient des substances extrêmement préoccupantes, voir <a href="http://www.dell.com/reach">www.dell.com/reach</a><br>Contains Substances of Very High Concern, see <a href="http://www.dell.com/reach">www.dell.com/reach</a>                                                                                   |

