Product Compliance Datasheet

MARKETING NAME……: P2424HT

REGULATORY MODEL…..…..: P2424HTc

REGULATORY TYPE…….…..…: NA

EMC EMISSIONS CLASS…...: B

EFFECTIVE DATE[1]……. ...: August 15, 2023

REVISED DATE[2]…….....: August 15, 2023

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[1] Effective Date refer to product that is available to market (RTS/Launch)
[2] Revision Date refer to the Datasheet has been updated to capture the latest information

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. 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. 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
Taiwan	Greenmark	NA
Varies by Country See EPEAT.net	EPEAT (Configuration Dependent)	Refer to EPEAT.net for specific registration levels and countries

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

This model does not use 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	Regulation EC No 278/2009
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 99:2021. The touch current does not exceed 100 µA with ground wire intact (if a ground wire is provided) and 500 µA with ground disconnected at 127 V AC, 60 Hz when tested in accordance with 10.3.5 of NFPA 99: 2021. To determine if this product complies with the above requirements, send a request to https://support.dellproductcompliance.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. 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 & Peripheral products, please refer to the product edoc/user manual /spec on Dell.com 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)	0.3	1.03	As defined in EU 2019/2021 and EU 2019/2013 '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: (1) conditions providing only an indication of off mode condition; (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)	0.5	1.71	As defined in EU 2019/2021 and EU 2019/2013 '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: — reactivation function, or reactivation function and only an indication of enabled reactivation function; and/or — information or status display;
On Mode (W)	18	61.56	As defined in EU 2019/2021 and EU 2019/2013 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)	1	3.42	As defined in EU 2019/2021 and EU 2019/2013 '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)	190	649.80	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)	17.75	60.71	Reference to Energy Star Version 8 Test Method
TEC (KWH)	58.98	201.71	Reference to Energy Star Version 8 Test Method
Ext Power Supply	n/a	n/a	Portables only! AC adapter is tested with no load attached
Ext Power Supply	n/a	n/a	Portables only! AC adapter is tested with active load attached
Items	**Links**		**Defintions**
EU EPREL URL	https://eprel.ec.europa.eu/qr/1465328		EU EPREL Registration Website link

Energy Consumption[3]
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

[3] 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

and in accordance to the described service level. Energy consumption is tested at 230 Volts / 50 Hz.

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 are BFR/PVC free	☒ **Yes** ☐ **No** ☐ **NA**
Marking of plastics parts is in accordance with ISO 11469 (see below)	☒ **Yes** ☐ **No** ☐ **NA**
Printed circuit boards (without components) >0.5g are BFR PVC free	☒ **Yes** ☐ **No** ☐ **NA**
Insulation materials of external electrical cables are PVC free	☐ **Yes** ☒ **No**
Product is BFR/PVC Free (Accessories & Options may not be BFR/PVC-Free	☒ **Yes** ☐ **No**
Postconsumer recycled Plastics material content[4] is used in the product If yes, indicate the percentage of the postconsumer recycled material per total plastic weight of the product	☒ **Yes** ☐ **No** ☐ **NA** **__85.6__% PCR (Post Consumer Recycled) material in total plastic of product**
Biobased Plastic material[5] content is used in the product. If yes, either indicate the percentage of the biobased plastic material per total plastic weight of the product	☐ **Yes** ☒ **No** ☐ **NA** **__0__% biobased plastic material in total plastic of product**

Flame Retardants Used in Motherboard

Part	**List the Flame Retardants**
PCB[6]	Halogen-free Organic Phosphates Compounds
PCBA[7]	Halogen (BR/CL) Flame retardant

[4] This product contains x% post-consumer recycled plastic including closed loop recycled plastics (ITE-derived)* % Declaration to be the same in ENV0025 for Display & CP
[5] 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
[6] PCB (Printed Circuit Board) is a blank circuit board with no electronic components attached
[7] PCBA (Printed Circuit Board Assembly) 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[8]

The external case material is _____PC+ABS, ABS, HIPS_____

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
PC+ABS	>PC+ABS(REC95)<	N/A	N/A	None
ABS	>ABS(REC85)<	N/A	N/A	None
HIPS	>HIPS(REC85)<	N/A	N/A	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

[8] According to ISO 11469 Marking of plastics products weighing 25 grams or more must be marked. Plastic Parts weighing less than 25 grams and having adequate surface area for coding should be marked.

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.

Packaging Materials	Total Weight of each Packaging Material (kg)	% Post Consumer Recycled Material[9] used	% Pre-Consumer Material [10]used
Carton box (Corrugated Fibred Board)	0.936	93	0
Cushion - Molded paper pulp	0.7	100	0
Cushion (Corrugated Fibred Board)	0.701	93	0
Plastic bags – HDPE + LDPE	0.0498	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
AA or AAA Remote Control Battery	NA	N/A	N/A

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.

[9] Post-consumer recycled materials are derived from used consumer products
[10] Pre-consumer Material": 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
- **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)
- **Materials Restricted for Use**
  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
- **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