

## Technical Documentation of (EU) No 617/2013

| Product type   | Desktop computer  |   |   |
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| Product category   | B   | C   | D   |
| Manufacturer name, address   | Acer Italy s.r.l.<br>Viale delle Industrie 1/A, 20020 Arese (MI), Italy |   |   |
| Product model number   | CT700-71A B   | CT700-71A C   | CT700-71A D   |
| Year of manufacture  | 2020  |   |   |
| E <sub>TEC</sub> allowance with capability adjustments when discrete graphics cards are disabled (from 1 January 2016) | 224 kWh/year  | 246 kWh/year  | 260 kWh/year  |
| E <sub>TEC</sub> allowance with capability adjustments when discrete graphics cards are enabled (from 1 January 2016)  | 346 kWh/year  | 368 kWh/year  | 382 kWh/year  |
| Whether all discrete graphics card are enabled during the test   | Yes   | Yes   | Yes   |
| Whether switchable graphics mode with UMA is driving the display during the test                                       | No  | No  | No  |
| E <sub>TEC</sub> of highest power-demanding configuration  | 154.77 kWh/year   | 157.24 kWh/year   | 157.24 kWh/year   |
| Idle state power demand  | 42.64 Watt  | 43.28 Watt  | 43.28 Watt  |
| Sleep mode power demand  | 1.09 Watt   | 1.62 Watt   | 1.62 Watt   |
| Sleep mode with WOL enabled power demand   | 1.23 Watt   | 1.76 Watt   | 1.76 Watt   |
| Off mode power demand  | 0.36 Watt   | 0.36 Watt   | 0.36 Watt   |
| Off mode with WOL enabled power demand   | 1 Watt  | 1 Watt  | 1 Watt  |
| Maximum power demand   | Not applicable  | Not applicable  | Not applicable  |
| Internal power supply (IPS) efficiency at 10 %, 20 %, 50 % and 100 % of rated output power                             | 10% - 83.72%<br>20% - 88.98%<br>50% - 90.67%<br>100% - 88.17%           | 10% - 83.72%<br>20% - 88.98%<br>50% - 90.67%<br>100% - 88.17% | 10% - 83.72%<br>20% - 88.98%<br>50% - 90.67%<br>100% - 88.17% |
| External power supply's (EPS) average active efficiency  | Not applicable  | Not applicable  | Not applicable  |
| Noise levels (the declared A-weighted sound power level, L <sub>WA(d)</sub> ) of idle mode                             | 3.30 B  | 3.30 B  | 3.30 B  |
| Noise levels (the declared A-weighted sound power level, L <sub>WA(d)</sub> ) of "HDD random seek" mode                | 3.30 B  | 3.30 B  | 3.30 B  |
| Minimum number of loading cycles that the batteries can withstand  | Not applicable  | Not applicable  | Not applicable  |
| Configuration of memory (GB)   | 2~64  | 2~64  | 4~64  |
| Configuration of internal storage (piece)  | 1~2   | 1~2   | 1~2   |
| Configuration of discrete television tuner (piece)   | 0 piece   | 0 piece   | 0 piece   |
| Configuration of discrete audio card (piece)   | 0 piece   | 0 piece   | 0 piece   |
| Configuration of discrete graphics cards (piece)   | 0 ~1  | 0 ~1  | 0 ~1  |

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| Configuration of discrete graphics cards category   | G7  | G7             | G7             |
| The external package of the notebook provides the information, "The battery in this product cannot be easily replaced by users themselves." | Not applicable  | Not applicable | Not applicable |
| For products with an integrated display, the total content of mercury is  | Not applicable  | Not applicable | Not applicable |
| Measurement methodology for E <sub>TEC</sub>  | COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers:<br>ANNEX II Ecodesign requirements and timetable:<br>1.1.1. E <sub>TEC</sub> formula. |                |                |
| Measurement methodology for idle mode   | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption:<br>5.2. Test setup;<br>5.3.5. Measuring short idle mode;<br>5.7. True RMS watt meter specification;<br>5.8. True RMS watt meter accuracy;<br>Annex E.2 (informative) ENERGY STAR® V5 compliant testing methodology. |                |                |
| Measurement methodology for sleep mode  | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption<br>5.2. Test setup;<br>5.3.3. Measuring sleep mode;<br>5.4. Test conditions;<br>5.7. True RMS watt meter specification;<br>5.8. True RMS watt meter accuracy.  |                |                |
| Measurement methodology for off mode  | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption<br>5.2. Test setup;<br>5.3.2. Measuring off mode;<br>5.4. Test conditions;<br>5.7. True RMS watt meter specification;<br>5.8. True RMS watt meter accuracy.  |                |                |
| Measurement methodology for IPS efficiency  | Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6 (April,2012).   |                |                |
| Measurement methodology for EPS efficiency  | Not applicable  |                |                |

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| Measurement methodology for noise level   | <p>ECMA-109 2nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment:<br/>4. Determination of the declared noise emission values.</p> <p>ECMA-74 11th edition (December 2010) Measurement of Airborne Noise emitted by Information Technology and Telecommunications Equipment:<br/>5. Installation and operating instructions;<br/>6. Method for determination of sound power levels of equipment in reverberation test rooms;<br/>7. Method for determination of sound power levels of equipment under essentially free-field conditions over a reflecting plane;<br/>Annex C.15 Equipment category: personal computers and workstations.</p> |
| Measurement methodology for battery loading cycles  | Not applicable   |
| Sequence of steps for achieving a stable condition with respect to power demand   | <p>EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption:<br/>5.2. Test setup;<br/>5.3.2. Measuring off mode;<br/>5.3.3. Measuring sleep mode;<br/>5.3.5. Measuring short idle mode.</p>  |
| Description of how sleep mode was selected or programmed  | <p>EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption<br/>5.2. Test setup;<br/>5.3.3. Measuring sleep mode;</p>  |
| Description of how off mode was selected or programmed  | <p>EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption<br/>5.2. Test setup;<br/>5.3.2. Measuring off mode;</p>  |
| Sequence of events required to reach the mode where the equipment automatically changes to sleep mode   | <p>ENERGY STAR® Program Requirements Product Specification for Computers, Eligibility Criteria Version 6.0, Rev. Oct-2013:<br/>1.D.4 Sleep Mode.</p>   |
| Sequence of events required to reach the mode where the equipment automatically changes to off mode   | Not applicable   |
| The duration of idle state condition before the computer automatically reaches sleep mode, or another condition which does not exceed the applicable power demand requirements for sleep mode | 30 minutes   |
| The length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode                       | 30 minutes   |
| The length of time before the display sleep mode is set to activate after user inactivity   | 10 minutes   |

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| User information on the energy-saving potential of power management functionality  | <a href="http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users">http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users</a> |
| User information on how to enable the power management functionality   | <a href="http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users">http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_users</a> |
| Test parameter for ambient temperature   | 25 °C   |
| Test parameter for test voltage  | 230 V   |
| Test parameter for frequency   | 50 Hz   |
| Test parameter for total harmonic distortion of the electricity supply system  | 3 %   |
| Test parameter for information and documentation on the instrumentation, set-up and circuits used for electrical testing | AC source- Chroma 6530<br>Digital meter- YOKOGAWA WT210   |