Technical Documentation of (EU) No 617/2013

Product categoryCDManufacturer name, addressAcer Italy s.r.l, Via Lepetit, 40, 20020 Lainate (MI) ItalyProduct model numberAspire XC-710 CYear of manufacture2015ETEC allowance with capability adjustments when discrete graphics cards are disabled (from 1 July 2014)188 kWh/yearETEC allowance with capability adjustments when discrete graphics cards are enabled (from 1 July 2014)242 kWh/yearETEC allowance with capability adjustments when discrete graphics cards are disabled (from 1 January 2016)134 kWh/yearETEC allowance with capability adjustments when discrete graphics cards are disabled (from 1 January 2016)164 kWh/yearETEC of highest power-demanding configuration114.38 kWh/yearMake during the testNoNoWhether all discrete graphics card are enabled during the testNoNoNoNoUff mode power demand31.33 WattSleep mode power demand0.377 WattOff mode power demand0.377 WattOff mode power demandNot applicableInternal power supply (IPS) efficiency at 10 %, 20 %, 50 % and 100 % of rated output powerNoise levels (the declared A-weighted3.5 BNoise levels (the declared A-weighted3.5 BNoise levels (the declared A-weighted3.5 BOtse levels (the declared A-weighted3.5 B	Product type	Desktop	computer
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Noise levels (the declared A-weighted 3.5.B 0.5.B		Not applicable	Not applicable
1 35BI 05B			
sound power level, L _{WAd}) of idle mode	sound power level, L _{WAd}) of idle mode	3.5 B	0.5 B

Noise levels (the declared A-weighted		
sound power level, L _{WAd}) of "HDD random	3.5 B	3.5 B
seek" mode	3.3 D	5.5 B
Minimum number of loading cycles that		
the batteries can withstand	Not applicable	Not applicable
Configuration of memory	2G	4-16G
Configuration of internal storage	1 piece	1 piece
Configuration of discrete television tuner	0 piece	0 piece
Configuration of discrete audio card	0 piece	0 piece
Configuration of discrete graphics cards	0~1 piece	0~1 piece
Configuration of discrete graphics cards	G2	G2
category	GZ	GZ
The external package of the notebook		
provides the information, "The battery in		
this product cannot be easily replaced by	Not applicable	Not applicable
users themselves."		
For products with an integrated display,		
the total content of mercury is	Not applicable	Not applicable
Measurement methodology for E _{TEC}	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: ANNEX II Ecodesign requirements and timetable: 1.1.1. E _{TEC} formula.	
Measurement methodology for idle mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.5. Measuring short idle mode; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy; 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: 5.2. Test setup; 5.3.3. Measuring sleep mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy.
Measurement methodology for off mode	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 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

Measurement methodology for noise level	ECMA-109 2 nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment: 4. Determination of the declared noise emission values. ECMA-74 11 th edition (December 2010) Measurement of Airborne Noise emitted by Information Technology and Telecommunications Equipment: 5. Installation and operating instructions; 6. Method for determination of sound power levels of equipment in reverberation test rooms; 7. Method for determination of sound power levels of equipment under essentially free-field conditions over a reflecting plane; Annex C.15 Equipment category:
	personal computers and workstations.
Measurement methodology for battery loading cycles	Not applicable
Sequence of steps for achieving a stable condition with respect to power demand	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.3.3. Measuring sleep mode; 5.3.5. Measuring short idle mode.
Description of how sleep mode was selected or programmed	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.3. Measuring sleep mode.

Description of how off mode was selected or programmed	EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode.
Sequence of events required to reach the mode where the equipment automatically changes to sleep mode	ENERGY STAR [®] Program Requirements Product Specification for Computers, Eligibility Criteria Version 6.0, Rev. Oct- 2013: 1.D.4 Sleep Mode.
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
User information on the energy-saving potential of power management functionality	<u>http://www.energystar.gov/index.cfm?c=po</u> <u>wer_mgt.pr_power_mgt_users</u>
User information on how to enable the power management functionality	http://www.energystar.gov/index.cfm?c=po wer_mgt.pr_power_mgt_users
Test parameter for ambient temperature	25 °C
Test parameter for test voltage	230 V
Test parameter for frequency Test parameter for total harmonic	50 Hz 3 %
distortion of the electricity supply system	5 %

Test parameter for information and	
documentation on the instrumentation,	Digital Power Meter- Yokogawa WT210
set-up and circuits used for electrical	Programmable AC Soure- Chroma 61603
testing	