Technical Documentation of (EU) No 617/2013

Entry No.	Product type	Desktop computer			
1	Product category	A	B	C	D
2	Manufacturer name, address	Acer Italy s.r.l, Viale delle Industrie 1/A, 20020 Arese (MI), Italy			
3	Product model number	NA	C24-1655	NA	C24-1655
4	Year of manufacture	2021			
5	E_{TEC} allowance with capability adjustments when discrete graphics cards are disabled (from 1 January 2016)	NA	Not applicable	NA	Not applicable
6	E_{TEC} allowance with capability adjustments when discrete graphics cards are enabled (from 1 January 2016)	NA	181 kWh/year	NA	217 kWh/year
7	Whether all discrete graphics card are enabled during the test	NA	Yes	NA	Yes
8	Whether switchable graphics mode with UMA is driving the display during the test	NA	NO	NA	NO
9	E_{TEC} of highest power-demanding configuration	NA	7.65 kWh/year	NA	7.68 kWh/year
10	Idle state power demand	NA	1.9577 Watt	NA	1.9635 Watt
11	Sleep mode power demand	NA	0.7515 Watt	NA	0.7589 Watt
12	Sleep mode with WOL enabled power demand	NA	0.7291 Watt	NA	0.7358 Watt
13	Off mode power demand	NA	0.0965 Watt	NA	0.0971 Watt
14	Off mode with WOL enabled power demand	NA	0.0925 Watt	NA	0.0945 Watt
15	Maximum power demand	NA	Not applicable	NA	Not applicable
16	Internal power supply (IPS) efficiency at 10 %, 20 %, 50 % and 100 % of rated output power	NA	Not applicable	NA	Not applicable
17	External power supply's (EPS) average active efficiency	NA	92.80%	NA	92.80%
18	Noise levels (the declared A-weighted sound power level, L_{WAd}) of idle mode	NA	2.80 B	NA	3.50 B
19	Noise levels (the declared A-weighted sound power level, L_{WAd}) of "HDD random seek" mode	NA	3.2B	NA	3.2B
20	Minimum number of loading cycles that the batteries can withstand	NA	Not applicable	NA	Not applicable
21	Configuration of memory (unit: GB)	NA	4~ 8 GB	NA	4~ 8 GB
22	Configuration of internal storage (unit: piece)	NA	2 piece	NA	2piece

23	Configuration of discrete television tuner (unit: piece)	NA	0 piece	NA	0 piece
24	Configuration of discrete audio card (unit: piece)	NA	0 piece	NA	0 piece
25	Configuration of discrete graphics cards (unit: piece)	NA	1 piece	NA	1 piece
26	Configuration of discrete graphics cards category	NA	G3	NA	G3
27	The external package of the notebook provides the information, "The battery in this product cannot be easily replaced by users themselves."	NA	Not applicable	NA	Not applicable
28	For products with an integrated display, the total content of mercury is	NA	Not applicable	NA	Not applicable
29	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.			
30	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.			
31	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.			
32	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.			
33	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).			
34	Measurement methodology for EPS efficiency	Not applicable			

35	Measurement methodology for noise level	ECMA-109 2nd edition (December 1987) Declared Noise Emission Values of Computer and Business Equipment: 4. Determination of the declared noise emission values. ECMA-74 11th 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.
36	Measurement methodology for battery loading cycles	Not applicable
37	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.
38	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.
39	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.
40	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.
41	Sequence of events required to reach the mode where the equipment automatically changes to off mode	Not applicable
42	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	Not applicable
43	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	Not applicable
44	The length of time before the display sleep mode is set to activate after user inactivity	Not applicable

45	User information on the energy-saving potential of power management functionality	Not applicable
46	User information on how to enable the power management functionality	Not applicable
47	Test parameter for ambient temperature	Not applicable
48	Test parameter for test voltage	Not applicable
49	Test parameter for frequency	Not applicable
50	Test parameter for total harmonic distortion of the electricity supply system	Not applicable
51	Test parameter for information and documentation on the instrumentation, set-up and circuits used for electrical testing	Not applicable