



**COMMISSION REGULATION (EU) No 617/2013**  
**Product Environmental Technical Documentation Declaration**  
**(Desktop computer, and integrated desktop computer)**

DATE OF DECLARATION: 2016/11/29

|           |   |   |               |               |                |
|-----------|---|---|---------------|---------------|----------------|
| 7.1.1 (a) | Product Type  | Desktop computer  |               |               |                |
|           | Product Category  | Category D  |               |               |                |
| 7.1.1 (b) | Manufacturer  | 2017  |               |               |                |
|           | Address   | No.69, Lide St., Zhonghe Dist., New Taipei City 235, Taiwan R.O.C.  |               |               |                |
| 7.1.1 (c) | Model Name  | MS-B909 / Aegis B909  |               |               |                |
| 7.1.1 (d) | The Year of Manufacture   | 2017  |               |               |                |
| 7.1.1 (e) | PCs with UMA graphics<br>E <sub>TEC</sub> value (kWh) and capability adjustments applied when UMA Graphics is On.                                 |   |               |               | Unit: kWh/year |
| 7.1.1 (f) | PCs with discrete graphics<br>E <sub>TEC</sub> value (kWh) and capability adjustments applied when all discrete graphics cards (dGfx) are enabled | 295.46  |               |               | Unit: kWh/year |
|           | <b>Power demand</b>   | <b>Category D</b>   |               |               | <b>Unit</b>    |
| 7.1.1 (g) | Idle state  | 49.39   |               |               | Watts          |
| 7.1.1 (h) | Sleep Mode  | 1.66  |               |               |                |
| 7.1.1 (i) | Sleep Mode with WOL Enable  | 1.66  |               |               |                |
| 7.1.1 (j) | Off Mode  | 0.497   |               |               |                |
| 7.1.1 (k) | Off Mode with WOL Enable  | 0   |               |               |                |
|           | <b>Internal power supply efficiency (%)</b>   |   |               |               |                |
| 7.1.1 (l) | 10% Load  | 20 % Load   | 50 % Load     | 100 % Load    |                |
|           | N/A   | 85  | 88            | 85            |                |
|           | <b>External power supply efficiency</b>   |   |               |               |                |
| 7.1.1 (m) | 0 % Load (Watts)  | 25 % Load (%)   | 50 % Load (%) | 75 % Load (%) | 100 % Load (%) |
|           | N/A   | N/A   | N/A           | N/A           | N/A            |
|           | <b>Noise levels (the declared A-weighted sound power level) of the computer (Bels / dB)</b>   |   |               |               |                |
| 7.1.1 (n) | Idle Mode   |   |               |               | 28.3           |
|           | Operation Mode  |   |               |               | 35.4           |
|           | <b>The minimum number of loading cycles</b>   |   |               |               |                |
| 7.1.1 (o) | The minimum number of loading cycles that the batteries can withstand (applies only to notebook computers)  | N/A   |               |               |                |
|           | <b>The measurement methodology (used to determine information mentioned in points (e) to (o))</b>   |   |               |               |                |
| 7.1.1 (p) | 7.1.1 (e) ~ (k)   | EN 62623:2013 - Desktop and notebook computers Measurement of energy consumption  |               |               |                |
|           | 7.1.1 (l)   | Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6                     |               |               |                |
|           | 7.1.1 (m)   | EN 50563:2011 - External a.c. - d.c. and a.c. - a.c. power supplies – Determination of no-load power and average efficiency of active modes |               |               |                |
|           | 7.1.1 (n) & (o)   | ISO-7779: Acoustics-Measurement of airborne noise emitted by information technology and telecommunications equipment                        |               |               |                |



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|           | <b>Sequence of steps for achieving a stable condition with respect to power demand</b>   |                       |
| 7.1.1 (q) | Refer to the Test Setup section of the EN62623:2013 standard.  |                       |
|           | <b>Description of how sleep and/or off mode was selected or programmed</b>   |                       |
| 7.1.1 (r) | The display sleep mode set to activate within 10 minutes of user inactivity.<br>The off mode shall be set to activate within 30 minutes of user inactivity.<br>The sleep and/or off mode was selected or be programmed by operating system power management function. (e.g. Windows series , Android , Linux...)   |                       |
|           | <b>Sequence of events required to reach the mode where the equipment automatically changes to sleep and/or off mode</b>  |                       |
| 7.1.1 (s) | The power management function allow the system automatically switching from idle mode to display sleep mode , then system sleep mode will be active after a period of user inactivity.   |                       |
|           | <b>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</b>   |                       |
| 7.1.1 (t) | The system for a period no user or network activity (up to 30 minutes).<br>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   |                       |
| 7.1.1 (u) | The system for a period no user or network activity (up to 30 minutes).<br>The length of time before the display sleep mode is set to activate after user inactivity   |                       |
| 7.1.1 (v) | The system for a period no user or network activity (up to 10 minutes).  |                       |
|           | <b>User information on the energy-saving potential of power management functionality</b>   |                       |
| 7.1.1 (w) | You can save money by activating power management features.<br>You can help reduce power usage and other side effects (e.g. Greenhouse Gas and Carbon Reduction)<br>The power management benefit you can also reference :<br><a href="http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_low_carbon_join">http://www.energystar.gov/index.cfm?c=power_mgt.pr_power_mgt_low_carbon_join</a>   |                       |
|           | <b>User information on how to enable the power management functionality</b>  |                       |
| 7.1.1 (x) | User information described in user manual of power management.   |                       |
|           | <b>For products with an integrated display containing mercury, the total content of mercury</b>  |                       |
| 7.1.1 (y) | <b>Mercury Total Content (mg)</b>  |                       |
|           | N/A  |                       |
|           | <b>Test parameters for measurements:</b><br>— test voltage in V and frequency in Hz<br>— total harmonic distortion of the electricity supply system<br>— information and documentation on the instrumentation, set-up and circuits used for electrical testing   |                       |
|           | <b>Test voltage &amp; Frequency</b>  | <b>230 Vac / 50Hz</b> |
|           | <b>Total harmonic distortion (THD)</b>   | <b>&lt;2%</b>         |
| 7.1.1 (z) | Test information including required instrumentation, setup etc. as below list is detailed in :<br>(For System)<br>EN 62623:2013 - Desktop and notebook computers Measurement of energy consumption<br>(Internal Power Supply)<br>Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6<br>(External Power Supply)<br>EN 50563:2011 - External a.c. - d.c. and a.c. - a.c. power supplies – Determination of no-load power and average efficiency of active modes |                       |