

TECHNICAL DOCUMENTATION

TABLE 5

		Value and precision	Unit	Notes
General				
1.	Ambient temperature	23 ± 5	°C	
2.	Test voltage	220 ± 3%	V	
3.	Frequency	50 ± 1%	Hz	
4.	Total harmonic distortion (THD) of the electricity supply system	≤3	%	
For On-mode				
5.	Peak white luminance of the brightest on mode configuration	280	cd/m ²	
6.	Peak white luminance of the normal configuration		cd/m ²	
7.	Peak white luminance ratio (calculated)		%	Value row 6 above divided by value row 5 above times 100
For APD				
8.	Duration of the on mode condition, before the electronic display reaches automatically standby, or off mode, or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode.	0.1 s		
	For televisions: the measured value of the time before the television automatically reaches standby, or off-mode, or another condition which does not exceed the applicable power consumption requirements for off-mode and/or standby-mode following the last user interaction;	N.A		
	For televisions equipped with room presence sensor: the measured value of the time before the television automatically reaches standby, or off-mode, or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when no presence is detected;	N.A		
	Other electronic displays than televisions and broadcast displays: The measured value of the time before the electronic display automatically reaches standby, or off-mode, or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when no input is detected;	0.3 s		
For ABC				
				If available and activated by default (as from Annex V, Table 4)
9.	Average on mode power demand of the electronic display at an ambient light intensity, measured at the ABC sensor of the electronic display, of 100 lux and 12 lux.	X,X	W	
10.	Percentage of power reduction due to ABC action between the 100 lux and 12 lux ambient light conditions.	N.A	%	
11.	Display peak white luminance at each of the following ambient light intensities measured at the ABC sensor of the electronic display, 100 lux, 60 lux, 35 lux, 12 lux.	x	cd/m ²	
	Measured on mode power at 100 lux ambient light at the ABC sensor	13,5	W	
	Measured on mode power at 12 lux ambient light at the ABC sensor	N.A	W	
	The measured screen luminance at 60 lux ambient light at the ABC sensor	N.A	cd/m ²	
	The measured screen luminance at 35 lux ambient at the ABC sensor	N.A	cd/m ²	
	The measured screen luminance at 12 lux ambient light at the ABC sensor	N.A	cd/m ²	

The technical documentation referred to in point 1(d) of Article 3 shall include:

- (1) identification data (general description of the model):
 - (a) trademark and model identifier;
 - (b) supplier's name, address, registered trade name;
- (2) references to the harmonized standards applied, other measurement standards and specifications used in measuring the technical parameters and calculations performed;
- (3) specific precautions to be taken when the model is assembled, installed and tested;
- (4) a list of all equivalent models, including model identifiers;
- (5) measured technical parameters of the model and calculations performed with the measured parameters as listed in Table 5;
- (6) Additional information requirements:
 - (a) input terminal for the audio and video test signals used for testing;
 - (b) information and documentation on the instrumentation, set-up and circuits used for electrical testing;
 - (c) any other testing condition not described or determined in point (b);
 - (d) for on mode:
 - (i) the characteristics of the dynamic broadcast-content video signal representing typical broadcast TV content; for the HDR dynamic broadcast content video signal the electronic display must be automatically switched to HDR mode by the HDR metadata of that signal;
 - (ii) the sequence of steps for achieving a stable condition with respect to power demand level; and
 - (iii) the picture settings used for the brightest peak white luminance measurement and the test pattern for the video signal used for the measurement.
 - (e) For standby and off mode:
 - (i) the measurement method used;
 - (ii) description of how the mode was selected or programmed including any enhanced reactivation functions; and
 - (iii) sequence of events to reach the condition where the electronic display automatically changes mode.
 - (f) For electronic displays with a designated computer signal interface:
 - (i) confirmation that the electronic display prioritises the computer display power management protocols set out in point 6.2.3 of Annex II of Commission Regulation (EU) No 617/2013 (1). Any deviation from the protocols should be reported;
 - (g) For the networked electronic displays only:
 - (i) number and type of network interfaces and, except for wireless network interfaces, their position in the electronic display;
 - (ii) whether the electronic display qualifies as electronic display with HINA functionality; if no information is provided the electronic display is considered not to be HINA display or display with HINA functionality; and
 - (iii) information whether networked electronic display provides functionality allowing the power management function and/or the end-user to switch the electronic display being in a condition providing networked standby into standby mode, or off mode or another condition which does not exceed the applicable power demand requirements for off mode and/or standby mode including enhanced reactivation function power allowance where applicable.
 - (h) For each type of network port:
 - (i) the default time (mm: ss) after which the power management function switches the display into a condition providing networked standby; and
 - (ii) the trigger to be used to reactivate the electronic display.
- (7) where the information included in the technical documentation file for a particular electronic display model has been obtained:
 - (a) from a model that has the same technical characteristics relevant for the technical information to be provided but is produced by a different manufacturer or
 - (b) by calculation on the basis of design or by extrapolation from another model of the same or of a different supplier, or both; the technical documentation shall include, as appropriate, the details of such the calculation, the assessment undertaken by suppliers to verify the accuracy of the calculation and, where appropriate, the declaration of identity between the models of different suppliers; and
- (8) the contact details of the person empowered to bind the supplier, if not included in the technical information uploaded into the Database, shall be made available, on request, to market surveillance authorities or to the Commission for carrying out their tasks under this Regulation.