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Registration No. CNAS L9069

Accreditation Criteria: ISO/IEC 17025, requirements of EPA ENERGY STAR® Program and relevant requirements of CNAS

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SCHEDULE 6 ACCREDITED ENERGY STAR TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
1	Audio/Video	1	All Item	ENERGY STAR Program Requirements Product Specification For Audio/Video Eligibility Criteria Version 3.0 (Rev. Dec-2014)	
		2	Auto Power Down Requirements	ENERGY STAR Test method for Audio/Video, ENERGY STAR Program Requirements Product Specification For Audio/Video Rev. July-2012 7.1	
				Power supply by EPS Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies Aug. 11, 2004 7.1	
3	Idle State Requirements	ENERGY STAR Test method for Audio/Video, ENERGY STAR Program Requirements Product Specification For Audio/Video Rev. July-2012 7.2			



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				Power supply by EPS Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies Aug. 11, 2004 7.2	
		4	Sleep Mode Requirements	ENERGY STAR Test method for Audio/Video, ENERGY STAR Program Requirements Product Specification For Audio/Video Rev. July-2012 7.3 Power supply by EPS Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies Aug. 11, 2004 7.3	
		5	Video Play mode	ENERGY STAR Test method for Audio/Video, ENERGY STAR Program Requirements Product Specification For Audio/Video Rev. July-2012 8.1	
				Power supply by EPS Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies Aug. 11, 2004 8.1	
		6	Audio Playback Test	ENERGY STAR Test method for Audio/Video, ENERGY STAR Program Requirements Product Specification For Audio/Video Rev. July-2012 8.2	
				Power supply by EPS Test Method for Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies Aug. 11, 2004 8.2	
2	computer	1	All Item	ENERGY STAR Program Requirements Product Specification for Computers Eligibility Criteria Version 6.1 Rev. Oct-2014	Except for the energy efficiency of the workstation



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
		2	Sleep mode power consumption	ENERGY STAR Computer Test method , ENERGY STAR Program Requirements Product Specification For Computers REV.Aug 2014 6.1	Except for the energy efficiency of the workstation
				EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies 6.1	Except for the energy efficiency of the workstation
				Household Electrical Appliances - Measurement of Standby Power IEC 62301: 6.1	Except for the energy efficiency of the workstation
		3	Static mode power consumption for a long time	ENERGY STAR Computer Test method , ENERGY STAR Program Requirements Product Specification For Computers REV.Aug 2014 6.2	Except for the energy efficiency of the workstation
				EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies 6.2	Except for the energy efficiency of the workstation



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				Household Electrical Appliances - Measurement of Standby Power IEC 62301: 6.2	Except for the energy efficiency of the workstation
		4	A short time rest mode power consumption	ENERGY STAR Computer Test method , ENERGY STAR Program Requirements Product Specification For Computers REV.Aug 2014 6.3	Except for the energy efficiency of the workstation
				EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies 6.3	Except for the energy efficiency of the workstation
				Household Electrical Appliances - Measurement of Standby Power IEC 62301: 6.3	Except for the energy efficiency of the workstation
		5	Shutdown mode power consumption	ENERGY STAR Computer Test method , ENERGY STAR Program Requirements Product Specification For Computers REV.Aug 2014 6.4	Except for the energy efficiency of the workstation



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		№	Item/ Parameter		
				EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies 6.4	Except for the energy efficiency of the workstation
				Household Electrical Appliances - Measurement of Standby Power IEC 62301: 6.4	Except for the energy efficiency of the workstation
		6	maximum power	ENERGY STAR Computer Test method , ENERGY STAR Program Requirements Product Specification For Computers REV.Aug 2014 7.1	Except for the energy efficiency of the workstation
				EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies 7.1	Except for the energy efficiency of the workstation
				Household Electrical Appliances - Measurement of Standby Power IEC 62301: 7.1	Except for the energy efficiency of the workstation



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
3		1	All Item	ENERGY STAR Program Requirements Product Specification for Televisions Eligibility Criteria Version 7.0	
		2	On mode energy efficiency requirements	Determination of Television Set Power Consumption/CEA Procedure for DAM Testing:For TVs, CEA-2037-A/Rev.03, Sept.2010 3.3	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 3.3	
				Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430 3.3	
		3	Passive standby mode power consumption	Determination of Television Set Power Consumption/CEA Procedure for DAM Testing:For TVs, CEA-2037-A/Rev.03, Sept.2010 3.4	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 3.4	
				Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430 3.4	
		4	Active standby power consumption	Determination of Television Set Power Consumption/CEA Procedure for DAM Testing:For TVs, CEA-2037-A/Rev.03, Sept.2010 3.5	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 3.5	
				Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430 3.5	
		5	Lumen requirements	Determination of Television Set Power Consumption/CEA Procedure for DAM Testing:For TVs, CEA-2037-A/Rev.03, Sept.2010 3.6	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 3.6	
				Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430 3.6	
		6	Download mode power consumption	Determination of Television Set Power Consumption/CEA Procedure for DAM Testing:For TVs, CEA-2037-A/Rev.03, Sept.2010 3.7	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 3.7	



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				Final Rule Test Procedures for Television Sets (Appendix H to Subpart B of 10 CFR § 430 3.7	
4	Displays	1	All Item	ENERGY STAR Program Requirements Product Specification For Eligibility Criteria Version 7.0 Rev. Jan-2013	
				ENERGY STAR Test method for Determining Displays Energy Use Version 6.0 Revised. January-2013 6.2	
		2	brightness	d < 30.0 ENERGY STAR Test Method for Displays Rev. Aug 2010.	
				VESA Flat Panel Display Measurements Standard, Version 2.0 6.2	
				30.0 ≤ d ≤ 60.0 ENERGY STAR Test Method for Displays Rev. Aug 2010. 6.2	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 6.2	
				Household Electrical Appliances – Measurement of Standby Power Test Method for Determining Displays Energy Use IEC 62301 Ed 1.0: Version 6.0 Rev. Jan-2013 6.2	
				ENERGY STAR Test method for Determining Displays Energy Use Version 6.0 Revised. January-2013 6.3	
		3	Not automatically adjust brightness model on power consumption	d < 30.0 ENERGY STAR Test Method for Displays Rev. Aug 2010.	
				VESA Flat Panel Display Measurements Standard, Version 2.0 6.3	
30.0 ≤ d ≤ 60.0 ENERGY STAR Test Method for Displays Rev. Aug 2010. 6.3					
Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 6.3					



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№	Test Object	Item/Parameter		Standard or Method	Note
		№	Item/ Parameter		
				Household Electrical Appliances - Measurement of Standby Power Test Method for Determining Displays Energy Use IEC 62301 Ed 1.0: Version 6.0 Rev. Jan-2013 6.3	
		4	Automatically adjust the brightness patterns on power consumption	ENERGY STAR Test method for Determining Displays Energy Use Version 6.0 Revised. January-2013 6.4	
				d < 30.0 ENERGY STAR Test Method for Displays Rev. Aug 2010.	
				VESA Flat Panel Display Measurements Standard, Version 2.0 6.4	
				30.0 ≤ d ≤ 60.0 ENERGY STAR Test Method for Displays Rev. Aug 2010. 6.4	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 6.4	
		5	Sleep mode power consumption	Household Electrical Appliances - Measurement of Standby Power Test Method for Determining Displays Energy Use IEC 62301 Ed 1.0: Version 6.0 Rev. Jan-2013 6.4	
				ENERGY STAR Test method for Determining Displays Energy Use Version 6.0 Revised. January-2013 6.5	
				d < 30.0 ENERGY STAR Test Method for Displays Rev. Aug 2010.	
				VESA Flat Panel Display Measurements Standard, Version 2.0 6.5	
				30.0 ≤ d ≤ 60.0 ENERGY STAR Test Method for Displays Rev. Aug 2010. 6.5	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 6.5	



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				Household Electrical Appliances - Measurement of Standby Power Test Method for Determining Displays Energy Use IEC 62301 Ed 1.0: Version 6.0 Rev. Jan-2013 6.5	
		6	Shutdown mode power consumption	ENERGY STAR Test method for Determining Displays Energy Use Version 6.0 Revised. January-2013 6.6	
				d < 30.0 ENERGY STAR Test Method for Displays Rev. Aug 2010.	
				VESA Flat Panel Display Measurements Standard, Version 2.0 6.6	
				30.0 ≤ d ≤ 60.0 ENERGY STAR Test Method for Displays Rev. Aug 2010. 6.6	
				Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment IEC 62087, Ed 2.0 6.6	
			Household Electrical Appliances - Measurement of Standby Power Test Method for Determining Displays Energy Use IEC 62301 Ed 1.0: Version 6.0 Rev. Jan-2013 6.6		
5	Set-top Boxes & Cable Boxes	1	All Item	ENERGY STAR Product Specification For Set-top Boxes Eligibility Criteria Version 4.1 Oct-2014	
		2	ON Mode Test Procedures	ENERGY STAR Test method for Set-top Box (CEA-2043, Set-top Box (STB) Power Measurement subject to the clarifications in Sections 4.2 - 4.9. Rev, June-2013 8.2	
		3	SLEEP Mode Test Procedures	ENERGY STAR Test method for Set-top Box (CEA-2043, Set-top Box (STB) Power Measurement subject to the clarifications in Sections 4.2 - 4.9. Rev, June-2013 8.3	



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		4	OFF Mode Test Procedure	ENERGY STAR Test method for Set-top Box (CEA-2043, Set-top Box (STB) Power Measurement subject to the clarifications in Sections 4.2 - 4.9. Rev, June-2013 8.4	
		5	Power Mode Transition Test Procedures	ENERGY STAR Test method for Set-top Box (CEA-2043, Set-top Box (STB) Power Measurement subject to the clarifications in Sections 4.2 - 4.9. Rev, June-2013 8.5	



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