



제254호 (1/11)

## 국제공인시험기관인정서

기 관 명 : LG전자(주) 디지털미디어 규격시험소

대 표 자 : 남 용

법 인 등 록 번 호 : 110111-2487050

사업자등록번호 : 107-86-14075

법 인 주 소 : 서울시 영등포구 여의도동 20

사 업 장 소 재 지 : 경기도 평택시 진위면 청호리 19-1

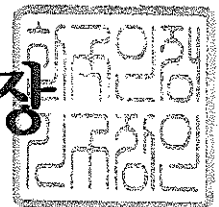
유효 기 간 : 2009년 4 월 7 일 ~ 2013년 4 월 6 일

인정분야 및 범위 : 별첨

상기 시험기관을 KS Q ISO/IEC 17025:2006 인정요건 및 국가표준기본법 제23조의 규정에 의거하여 국제공인시험기관으로 인정합니다. 또한 ISO-ILAC-IAF 공동성명(2009.1.8)에 언급된 바와 같이 인정된 분야 및 범위에 대한 기술적 능력과 시험기관 품질경영시스템이 적절함을 인정합니다.

2011년 2월 23일

한 국 인 정 기 구 장



“이면 기재사항”

1. 2005. 4. 7 : 최초인정
2. 2007. 6. 14 : KS A ISO/IEC 17025 : 2006 및 공인기관인정제도운영요령 개정  
따른 인정서 재발급
3. 2008. 4. 7 : 대표자 변경 및 인정항목 취소
4. 2009. 5. 18 : 갱신
5. 2011. 2. 23 : 추가



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### 3. 전기시험

#### 3.007 가정용 전기기기

규격번호	규격명
IEC 60065: 2005	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>
K 60065:2005	<p>오디오, 비디오 기기 및 이와 유사한 전자기기의 안전</p> <p>제외항목</p> <p>6.1 이온화 방사</p> <p>7.2 절연물의 내열성(연화온도 시험)</p> <p>8.18 부가적인 삽입 절연 없이 절연권선을 갖는 권선 부품에 대한 내구성 시험</p> <p>12.3 손으로 조작하는 원격조정장치</p> <p>12.5 기기에 부착되어진 안테나 동축 접속기</p> <p>13.4 연면거리(CTI)</p> <p>14.2 캐패시터 및 저항 - 캐패시터</p> <p>14.6 스위치</p> <p>18 브라운관의 기계적강도 및 폭발위험성에 대한 보호</p> <p>부속서 A. 10.2.1 물 뿌림 처리</p> <p>부속서 II 절연된 권선용 전선</p>



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3.007 가정용 전기기기

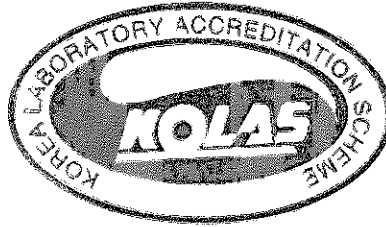
규격번호	규격명
EN 60065:2002+A1:2006	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>
UL 60065, Seventh Edition, dated June 30, 2003 through and including revisions dated December 11, 2007	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>



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3.007 가정용 전기기기

규격번호	규격명
CAN/CSA C22.2 NO.60065:03 dated April 2003	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>
IEC 60950-1: 2005	<p>Information technology equipment - Safety - Part1: General requirements</p> <p>Exception</p> <p>2.10.4 Creepage distance(CTI)</p> <p>2.10.6.6 Abrasion resistance test</p> <p>3.2.5.1 AC power Supply Cords</p> <p>4.2.8 Cathode ray tube</p> <p>4.3.12 Flammable liquids</p> <p>4.3.13.2 Ionizing radiation</p> <p>4.3.13.3 Effect of UV radiation on materials</p> <p>4.3.13.4 Human exposure to UV radiation</p> <p>4.7.3 Material(Flammability test)</p>



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3.007 가정용 전기기기

규격번호	규격명
K 60950-1:2005	정보기기의 안전- 제1부:일반 요구 사항
	제외항목 2.10.4 연면거리(CTI) 2.10.6.6 내마모성 시험 3.2.5.1 교류 주전원 코드 4.2.8 브라운관 시험 4.3.12 가연성 액체 4.3.13.2 이온화 방사 4.3.13.3 재질에 대한 자외선 영향 4.3.13.4 자외선의 인체노출 4.7.3 재질(난연성 시험)
EN60950-1:2006	Information technology equipment - Safety - Part1: General requirements
	Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)



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3.007 가정용 전기기기

규격번호	규격명
UL 60950-1 2ND ED :2007	Information technology equipment - Safety - Part1: General requirements
	Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)
CAN/CSA-C22.2 NO. 60950-1:07 2ND ED.	Information technology equipment - Safety - Part1: General requirements
	Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)



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### 3.011 전자기 적합성

규격번호	규격명
FCC P15:2006 (ANSI C63.4:2003)	<p>Radio Frequencies Devices</p> <p>Exception</p> <p>Section 15.118-Cable ready consumer electronics equipment</p> <p>Section 15.249 24.0-24.24.25 GHz</p> <p>Section 15.252 16.2-17.7 GHz and 23.11-29 Hz</p> <p>Section 15.253 46.7-46.9 GHz and 76.0-77.0 GHz</p> <p>Section 15.255 57-64 GHz</p> <p>Section 15.257 92-95 GHz</p> <p>Subpart D-Unlicensed Personal Communication Service Devices.</p> <p>Subpart E-Unlicensed National Information Infrastructure Devices</p> <p>Subpart F-Ultra-Wideband Operation</p> <p>Subpart G-Access Broadband Over Power Line</p>
EN 55013: 2001+A1: 2003+A2: 2006	<p>Sound and Television broadcast receivers and associated equipment-Radio disturbance characteristics - Limit and method of measurement</p> <p>Exception</p> <p>5.9 Clause-Measurement of the local oscillator power at the input terminal of the outdoor unit</p>
CISPR 13 Ed. 4.2: 2006	<p>Sound and Television broadcast receivers and associated equipment-Radio disturbance characteristics - Limit and method of measurement</p> <p>Exception</p> <p>5.9 Clause-Measurement of the local oscillator power at the input terminal of the outdoor unit</p>
AS/NZS CISPR 13:2004	<p>Sound and Television broadcast receivers and associated equipment -Radio disturbance characteristics - Limit and methods of measurement</p>
K 00013:2006 [CISPR 13 Ed. 4.2: 2006]	<p>음성과 텔레비전 방송수신기 및 관련기기류의 전기자기장해 측정방법 및 한계값</p> <p>Exception</p> <p>5.9항-옥외유닛의 입력단자에서의 국부발진기의 전력측정</p>





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### 3.011 전자기 적합성

규격번호	규격명
GOST 22505-97	Radio disturbance from Sound and Television broadcast receivers and associated equipment limits and test methods
EN 55022:1998+ A1:2001, A2:2003	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
CISPR 22 :2005+A1: 2005	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
AS/NZS CISPR 22:2006	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
EN 55022:2006+A1: 2007	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
K 00022:2006 [CISPR 22:2005]	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
KN 22:2008	정보기기류 전자파장해방지시험방법
GB 13837:2003	Limits and methods of measurement of radio interference characteristics of sound and television broadcast receivers and associated equipment
GB 9254:1998	Information Technology Equipment-Radio Disturbance Characteristics Limit and Methods of Measurement
GOST R 51318.22-99	Electromagnetic compatibility of technical equipment. Man-made radio disturbance from information technology equipment Limits and test methods
IEC 61000-3-2: 2005	Limits for harmonic current emissions
EN 61000-3-2: 2006	Limits for harmonic current emissions
IEC 61000-3-3: 1994+A2: 2005	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
EN 61000-3-3: 1995+A2:2005	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
GB17625.1:2003	The Limits for the Harmonic Current Emission Caused by Low-voltage Electronic Equipments
GOST R 51317.2-99	Limits concerning harmonics currents



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### 3.011 전자기 적합성

규격번호	규격명
GOST R 51317.3-99	Limits concerning voltage fluctuations and flicker
EN 55020:2002+A2:2005	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
CISPR 20: 2002+A2: 2004/ CISPR 20: 2006	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
EN 55020:2007	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
K 00020:2006 [IEC CISPR 20: 2002]	음성, 텔레비전 방송수신기 및 관련기기 내성특성 한계치와 시험방법
GOST R 51515-99	Immunity for broadcast receivers and associates equipment testing level and methods of equipment
EN 55024:1998+A2:2003	Information technology equipment-Immunity characteristics-Limits and methods of measurement
CISPR 24:1997+A1: 2001+A2: 2002)	Information technology equipment-Immunity characteristics-Limits and methods of measurement
K 00024:2002 [(CISPR 24:1997+A1: 2001+A2: 2002)]	정보기기-내성특성-한계치 및 측정방법 KN 24:2008 정보기기류 내성시험방법
KN 24:2008	정보기기류 내성시험방법
GOST R 51318.24-99	Electromagnetic compatibility of technical equipment Immunity of information technology equipments and test methods
EN 50130-4:1995+A2: 2003	Alarm system-Part 4:Electromagnetic compatibility-Product family standard: Immunity requirements for components of for components of fire, intruder social alarm systems Exception Part 4-3: Testing and measurement techniques-Radiated, radio-frequency, electromagnetic field immunity test( 1 GHz ~ 2 GHz)



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### 3.013 에너지 효율

규격번호	규격명
Audio/Video - ENERGY STAR Program Requirements Product Specification for Audio/Video Version 2.1 - IEC62301 Ed1.0	- ENERGY STAR Test Method for Audio/Video, ENERGY STAR Program Requirements Product Specification for Audio/Video, Version 2.1  - Household Electrical Appliances - Measurement of Standby Power
Set-top Boxes & Cable Boxes ENERGY STAR Program Requirements Product Specification for Set-top Boxes Version 2.0	- ENERGY STAR Test Method for Set-top Boxes (Testing Products for ENERGY STAR) - ENERGY STAR Program for Set-top Boxes, Version 2.0, Section 4 : April 23, 2008
Televisions ENERGY STAR Program Requirements Product Specification for Televisions Version 4.2 - IEC62087, Ed2.0  - CEA-2037  - IEC62301, Ed1.0  - CEA	- ENERGY STAR Test Method for Televisions, Rev. Aug, 2010   - Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment - Determination of Television Average Power Consumption (December 2009) - Household Electrical Appliances - Measurement of Standby Power - Procedure for DAM Testing

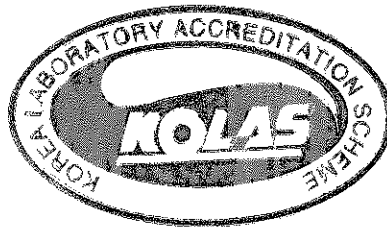


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### 3.013 에너지 효율

규격번호	규격명
Computers ENERGY STAR Program Requirements Product Specification for Computers Version 6.0 - EPRI	- ENERGY STAR Test Method for Computers, Rev. Aug-2010, ENERGY STAR Program Requirements Product Specification for Computers Version 6.0  - EPRI Generalized Internal Power Supply Efficiency Test Protocol, Rev. 6.4.2
Displays ENERGY STAR Program Requirements Product Specification for Displays Version 5.1 - IEC62087  - VESA FPDM Standard 2.0	- ENERGY STAR Test Method for Displays, Rev. Aug 2010  - Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment, Section 11, "Measuring conditions of television sets for On (average) mode." - Section 301-2H - Appendix A115 - A112-2F, SET01K - A112-2H, L80

끝.



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## CERTIFICATE OF ACCREDITATION

Name of Laboratory : LG Electronics Inc., Digital Media Standards Laboratory

Representative : Nam Yong

Address of Headquarters : 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, Korea

Address of Laboratory : 19-1, Cheongho-ri, Jinwi-myeon, Pyeongtaek-si,  
Gyeonggi-do, Korea

Duration : April 7, 2009 ~ April 6, 2013

Scope of Accreditation

(Scope of Accreditation is described in the accompanying Annex)

This testing laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 8 January 2009).

Feb 23, 2011

*Huh. Kyung*

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**Administrator,**

**Korea Laboratory Accreditation Scheme(KOLAS)**

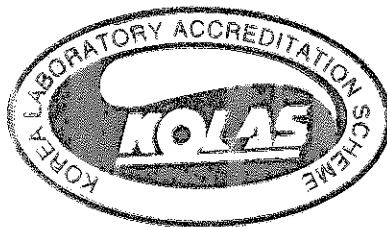


No. 254 (2/11)

### **3. Electric Test**

#### **3.007 Home Appliance**

Test method	Standard designation
IEC 60065:2005	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>
K 60065:2005	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>

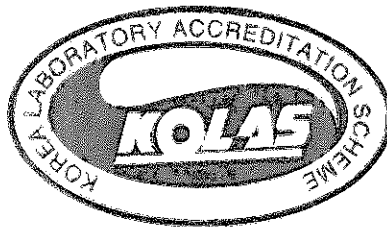


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### **3. Electric Test**

#### **3.007 Home Appliance**

<b>Test method</b>	<b>Standard designation</b>
EN 60065:2002+A1:2006	Audio, video and similar electronic apparatus safety requirements Exception 6.1 Ionizing radiation 7.2 Heat Resistance of Insulating Material 8.18 Endurance test for wound components 12.3 Remote controls 12.5 Antenna plug tests 13.4 Creepage distances(CTI) 14.2 Capacitors and RC-units 14.6 Switch 18 Mechanical strength of picture tubes and protection against effects of implosion Annex A. 10.2.1 Splash treatment Annex II Insulation winding wires
UL 60065, Seventh Edition, dated June 30, 2003 through and including revisions dated December 11, 2007	Audio, video and similar electronic apparatus safety requirements Exception 6.1 Ionizing radiation 7.2 Heat Resistance of Insulating Material 8.18 Endurance test for wound components 12.3 Remote controls 12.5 Antenna plug tests 13.4 Creepage distances(CTI) 14.2 Capacitors and RC-units 14.6 Switch 18 Mechanical strength of picture tubes and protection against effects of implosion Annex A. 10.2.1 Splash treatment Annex II Insulation winding wires



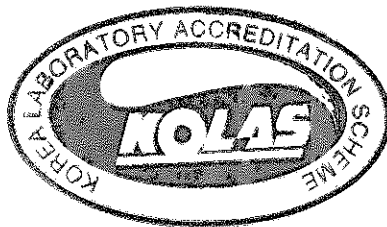
No. 254 (4/11)

### 3. Electric Test

#### 3.007 Home Appliance

Test method	Standard designation
CAN/CSA C22.2 NO.60065:03 dated April 2003	<p>Audio, video and similar electronic apparatus safety requirements</p> <p>Exception</p> <p>6.1 Ionizing radiation</p> <p>7.2 Heat Resistance of Insulating Material</p> <p>8.18 Endurance test for wound components</p> <p>12.3 Remote controls</p> <p>12.5 Antenna plug tests</p> <p>13.4 Creepage distances(CTI)</p> <p>14.2 Capacitors and RC-units</p> <p>14.6 Switch</p> <p>18 Mechanical strength of picture tubes and protection against effects of implosion</p> <p>Annex A. 10.2.1 Splash treatment</p> <p>Annex II Insulation winding wires</p>
IEC 60950-1: 2005	<p>Information technology equipment - Safety - Part1: General requirements</p> <p>Exception</p> <p>2.10.4 Creepage distance(CTI)</p> <p>2.10.6.6 Abrasion resistance test</p> <p>3.2.5.1 AC power Supply Cords</p> <p>4.2.8 Cathode ray tube</p> <p>4.3.12 Flammable liquids</p> <p>4.3.13.2 Ionizing radiation</p> <p>4.3.13.3 Effect of UV radiation on materials</p> <p>4.3.13.4 Human exposure to UV radiation</p> <p>4.7.3 Material(Flammability test)</p>





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### **3. Electric Test**

#### **3.007 Home Appliance**

<b>Test method</b>	<b>Standard designation</b>
K 60950-1:2005	Information technology equipment - Safety - Part1: General requirements
	Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)
EN60950-1:2006	Information technology equipment - Safety - Part1: General requirements
	Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)



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### 3. Electric Test

#### 3.007 Home Appliance

Test method	Standard designation
UL 60950-1 2ND ED :2007	Information technology equipment - Safety - Part1: General requirements Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)
CAN/CSA-C22.2 NO. 60950-1:07 2ND ED.	Information technology equipment - Safety - Part1: General requirements Exception 2.10.4 Creepage distance(CTI) 2.10.6.6 Abrasion resistance test 3.2.5.1 AC power Supply Cords 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.2 Ionizing radiation 4.3.13.3 Effect of UV radiation on materials 4.3.13.4 Human exposure to UV radiation 4.7.3 Material(Flammability test)



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### 3.011 Electromagnetic Compatibility

Test method	Standard designation
FCC P15:2006 (ANSI C63.4:2003)	Radio Frequencies Devices Exception Section 15.118-Cable ready consumer electronics equipment Section 15.249 24.0-24.24.25 GHz Section 15.252 16.2-17.7 GHz and 23.11-29 Hz Section 15.253 46.7-46.9 GHz and 76.0-77.0 GHz Section 15.255 57-64 GHz Section 15.257 92-95 GHz Subpart D-Unlicensed Personal Communication Service Devices. Subpart E-Unlicensed National Information Infrastructure Devices Subpart F-Ultra-Wideband Operation Subpart G-Access Broadband Over Power Line
EN 55013: 2001+A1: 2003+A2: 2006	Sound and Television broadcast receivers and associated equipment-Radio disturbance characteristics - Limit and method of measurement Exception 5.9 Clause-Measurement of the local oscillator power at the input terminal of the outdoor unit
CISPR 13 Ed. 4.2: 2006	Sound and Television broadcast receivers and associated equipment-Radio disturbance characteristics - Limit and method of measurement Exception 5.9 Clause-Measurement of the local oscillator power at the input terminal of the outdoor unit
AS/NZS CISPR 13:2004	Sound and Television broadcast receivers and associated equipment -Radio disturbance characteristics - Limit and methods of measurement
K 00013:2006 [CISPR 13 Ed. 4.2: 2006]	Sound and Television broadcast receivers and associated equipment-Radio disturbance characteristics - Limit and method of measurement Exception 5.9 Clause-Measurement of the local oscillator power at the input terminal of the outdoor unit



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### 3.011 Electromagnetic Compatibility

Test method	Standard designation
GOST 22505-97	Radio disturbance from Sound and Television broadcast receivers and associated equipment limits and test methods
EN 55022:1998+ A1:2001, A2:2003	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
CISPR 22 :2005+A1: 2005	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
AS/NZS CISPR 22:2006	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
EN 55022:2006+A1: 2007	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
K 00022:2006 [CISPR 22:2005]	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
KN 22:2008	Information technology equipment - Radio disturbance characteristics - Limit and methods of measurement
GB 13837:2003	Limits and methods of measurement of radio interference characteristics of sound and television broadcast receivers and associated equipment
GB 9254:1998	Information Technology Equipment-Radio Disturbance Characteristics Limit and Methods of Measurement
GOST R 51318.22-99	Electromagnetic compatibility of technical equipment. Man-made radio disturbance from information technology equipment Limits and test methods
IEC 61000-3-2: 2005	Limits for harmonic current emissions
EN 61000-3-2: 2006	Limits for harmonic current emissions
IEC 61000-3-3: 1994+A2: 2005	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
EN 61000-3-3: 1995+A2:2005	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
GB17625.1:2003	The Limits for the Harmonic Current Emission Caused by Low-voltage Electronic Equipments
GOST R 51317.2-99	Limits concerning harmonics currents



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### 3.011 Electromagnetic Compatibility

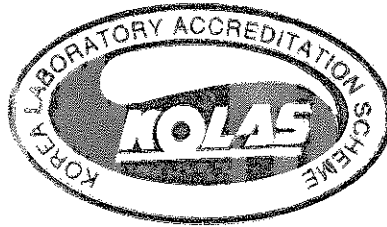
Test method	Standard designation
GOST R 51317.3-99	Limits concerning voltage fluctuations and flicker
EN 55020:2002+A2:2005	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
CISPR 20: 2002+A2: 2004/ CISPR 20: 2006	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
EN 55020:2007	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
K 00020:2006 [IEC CISPR 20: 2002]	Sound and Television broadcast receivers and associated equipment - Immunity characteristics - Limit and methods of measurement
GOST R 51515-99	Immunity for broadcast receivers and associates equipment testing level and methods of equipment
EN 55024:1998+A2:2003	Information technology equipment-Immunity characteristics-Limits and methods of measurement
CISPR 24:1997+A1: 2001+A2: 2002)	Information technology equipment-Immunity characteristics-Limits and methods of measurement
K 00024:2002 [(CISPR 24:1997+A1: 2001+A2: 2002)]	Information technology equipment-Immunity characteristics-Limits and methods of measurement
KN 24:2008	Information technology equipment-Immunity characteristics-Limits and methods of measurement
GOST R 51318.24-99	Electromagnetic compatibility of technical equipment Immunity of information technology equipments and test methods
EN 50130-4:1995+A2: 2003	Alarm system-Part 4:Electromagnetic compatibility-Product family standard: Immunity requirements for components of for components of fire, intruder social alarm systems Exception Part 4-3: Testing and measurement techniques-Radiated, radio-frequency, electromagnetic field immunity test( 1 GHz ~ 2 GHz)



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### 3.013 ENERGY STAR

Test method	Standard designation
Audio/Video - ENERGY STAR Program Requirements Product Specification for Audio/Video Version 2.1 - IEC62301 Ed1.0	- ENERGY STAR Test Method for Audio/Video, ENERGY STAR Program Requirements Product Specification for Audio/Video, Version 2.1 - Household Electrical Appliances - Measurement of Standby Power
Set-top Boxes & Cable Boxes ENERGY STAR Program Requirements Product Specification for Set-top Boxes Version 2.0	- ENERGY STAR Test Method for Set-top Boxes (Testing Products for ENERGY STAR) - ENERGY STAR Program for Set-top Boxes, Version 2.0, Section 4 : April 23, 2008
Televisions ENERGY STAR Program Requirements Product Specification for Televisions Version 4.2 - IEC62087, Ed2.0 - CEA-2037 - IEC62301, Ed1.0 - CEA	- ENERGY STAR Test Method for Televisions, Rev. Aug, 2010 - Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment - Determination of Television Average Power Consumption (December 2009) - Household Electrical Appliances - Measurement of Standby Power - Procedure for DAM Testing



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### 3.013 ENERGY STAR

Test method	Standard designation
Computers ENERGY STAR Program Requirements Product Specification for Computers Version 6.0 - EPRI	- ENERGY STAR Test Method for Computers, Rev. Aug-2010, ENERGY STAR Program Requirements Product Specification for Computers Version 6.0  - EPRI Generalized Internal Power Supply Efficiency Test Protocol, Rev. 6.4.2
Displays ENERGY STAR Program Requirements Product Specification for Displays Version 5.1 - IEC62087  - VESA FPD Standard 2.0	- ENERGY STAR Test Method for Displays, Rev. Aug 2010  - Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment, Section 11, "Measuring conditions of television sets for On (average) mode." - Section 301-2H - Appendix A115 - A112-2F, SET01K - A112-2H, L80

End.