

KOLAS 공인시험기관 인정서

(주)에스테크

인 정 번 호 : KT141

법인 등록 번호 : 110111-0986624
(또는 고유번호)

사업장 소재지 : (소재지)경기도 이천시 마장면 억만리로 140-16
(소재지-1)경기도 용인시 처인구 백암면 삼백로785번길 18

최초 인정일자 : 2001년 08월 06일

인정유효기간 : 2019년 01월 31일 ~ 2023년 01월 30일

인정분야 및 범위 : 별첨

발 행 일 : 2021년 06월 25일

상기 기관을 국가표준기본법 제23조, 적합성평가 관리 등에 관한 법률 제8조 및 KS Q ISO/IEC 17025:2017에 의거하여 KOLAS 공인시험기관으로 인정합니다. 또한 ISO-ILAC-IAF 공동성명에 언급된 바와 같이 인정된 분야 및 범위에 대한 기술적 능력과 시험기관의 품질경영 시스템이 적절함을 인정합니다.



한국인정기구장
(Korea Laboratory Accreditation Scheme)



Korea Laboratory Accreditation Scheme

제 KT141호

03. 전기시험

03.004 전기재료 및 부품

규격번호	규격명	시험범위	사업장	현장시험
EN 62133-2:2017	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems [제외항목] 7.3.8 Mechanical tests (batteries) 7.3.9 Forced internal short-circuits (cells)	Temperature: (-40 ~ 150) °C Voltage: (0 ~ 20) V Current: (0 ~ 10) A Resistance : (80 ± 20) mΩ	소재지-1	N
IEC 62133-2:2017	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary lithium cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems [제외항목] 7.3.8 Mechanical tests (batteries) 7.3.9 Forced internal short-circuits (cells)	Temperature: (-40 ~ 150) °C Voltage: (0 ~ 20) V Current: (0 ~ 10) A Resistance : (80 ± 20) mΩ	소재지-1	N
KC 62133-2:2020	휴대기기용 밀폐 리튬이차 전지 안전 [제외항목] 7.3.8 기계적 시험 (전지에만 적용) 7.3.9 강제 내부 단락 시험 (단전지에만 적용)	Temperature: (-40 ~ 150) °C Voltage: (0 ~ 20) V Current: (0 ~ 10) A Resistance : (80 ± 20) mΩ	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

03. 전기시험

03.007 가정용 전기기기

규격번호	규격명	시험범위	사업장	현장시험
EN 60065:2014	Audio, video and similar electronic apparatus - Safety requirements [제외항목] 6.2 Laser radiation 6.3 Light emitting diodes (LEDs) 7.2 Softening temperature 8.17 Endurance test for wound components 8.21 Mandrel test 12.1.3 Vibration test 12.3 Remote control devices held in hand 13.4 Creepage Distance(CTI) 13.6 Jointed Insulation enclosed and sealed parts 14.2 Resistors 14.3 Capacitors and RC-units 14.6 Protective devices 14.7 Switches 16. External Flexible Cord 18. Mechanical strength of picture tubes and protection against effects of implosion Z1. Protection against excessive sound pressure from personal music players Annex A. Additional requirements for apparatus for outdoor use and wet locations Annex H. Insulated winding wires for use without interleaved insulation	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60335-1:2012+A11:2014+A13:2017+A14:2019+A1:2019+A2:2019	Household and similar electrical appliances - Safety - Part 1:General requirements [Exception] 19.11.4.7 Mains signal test in accordance with IEC 61000-4-13, Table 11 21.2 Scratch test 22.7 Pressure test 22.16 Test for automatic cord reels 22.32 Oxygen bomb aging test for natural or synthetic rubber 22.46, Software evaluation 22.48 Relevant test of IEC 61770 23 Internal wiring (flexing test) 24 Components (test) 25 Supply connection and external flexible cords (flexing test) Annex B 21 Mechanical strength Annex C Ageing test on motors Annex F Capacitors Annex G Safety isolating transformers Annex H Switches Annex I Motors having basic insulation that is inadequate for the rated voltage of the appliance Annex J Coated printed circuit boards Annex N Proof tracking test Annex R Software evaluation Annex T UV-C radiation effect on non-metallic materials	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60335-2-14:2006+A1:2008+A11:2012+A12:2016	Household and similar electrical appliances -Safety - Part 2-14: Particular requirements for kitchen machine [Exception] 15.101 The connecting devices of stands for cordless blenders 19.102 Coffee mills and grain grinders 20.104 Blenders 22.103 Cordless blenders 25.7 Tests of 4.2 and 4.3 of IEC 60811-504:2012 and 4.2 of IEC 60811-505:2012	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
EN 60335-2-15:2016+A11:2018	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids [Exception] 15.102 The connecting devices of stands for cordless appliances 19 Abnormal operation 22.7 Espresso coffee maker 22.108 Pressure cooking appliance	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
EN 60335-2-23:2003A1:2008+A11:2010+A2:2015	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care [Exception] 11.101 Appliances incorporating a swivel connection 19.2 Heaters for detachable curlers 19.102 Portable hair dryers 23 Internal wiring (flexing test) 25.14 Cord flexing 25.101 Swivel connections	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60335-2-2:2010+A11:2012+A1:2013	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances [Exception] 11 Heating (for automatic battery-powered cleaners) 15 Moisture resistance (test free fall) 19 Abnormal operation 21.101 Resistant to crushing 21.102 Resistant to abrasion 21.103 Resistant to flexing 21.104 Resistant to torsion 21.105 Resistant to cold conditions	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
EN 60335-2-65:2003+A1:2008+A11:2012	Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances [Exception] 16.101 High- voltage transfontners 23 Internal wiring 32 Radiation, toxicity and similar hazards	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
EN 60335-2-9:2003+A1:2004+A2:2006+A12:2007+A13:2010	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances [Exception] 11 Heating (for induction hotplate and other hotplate) 15 Moisture resistance (spillage test) 21 Mechanical strength (0.7 J impact test) 22.108 Touch controls of hotplates 23 Internal wiring (flexing test) 31 Resistance to rusting	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60950-1:2006+A1:2010+A11:2009+A12:2011+A2:2013	Information technology equipment-Safety-Part 1:General requirements [제외항목] 2.10.8.4 Abrasion resistance test 2.10.9 Thermal cycling 2.10.10 Test for Pollution Degree 1 environment and for insulating compound 2.10.11 Tests for semiconductor devices and for cemented joints 3.2.5.1 AC Power supply cord test 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.3 Effect of ultraviolet(UV) radiation on materials 4.3.13.4 Human exposure to ultraviolet(UV) radiation 4.3.13.5 Lasers(including LEDs) Zx. Protection against excessive sound pressure from personal music players Annex A. Tests for resistance to heat and fire(Hot flaming oil test) Annex B. Motor tests under abnormal conditions(AC motor) Annex U(normative) Insulated winding wires for use without interleaved insulation Annex AA Mandrel test Annex CC Evaluation of integrated circuit(IC) current limiters Annex DD Requirements for the mounting means of rack-mounted equipment Annex EE Household and home/office document/media shredders	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
EN 62368-1:2014+A11:2017	Audio/video, information and communication technology equipment - Part 1: Safety requirements [Exception] 4.1.4 Equipment installation 5.4.1.10.2 Vicat test 5.4.3.3 Material group and CTI 5.4.4.6.5 Mandrel test 8.5.5 High pressure lamps 10 Radiation Annex C UV radiation Annex G.1 Switches Annex G.2 Relays Annex G.3 Protective devices Annex G.4 Connectors Annex G.5 Wound components Annex G.7 Mains supply cords Annex G.8 Varistors Annex G.9 Integrated circuit (IC) current limiters Annex G.10 Resistors Annex G.13.6 Tests on coated printed boards Annex G.14 Coatings on component terminals Annex G.15 Pressurized liquid filled components Annex J Insulated winding wires for use without interleaved insulation Annex M.7 Risk of explosion from lead acid and NiCd batteries Annex M.8 Protection against internal ignition from external spark sources of batteries with aqueous electrolyte Annex R Limited short-circuit test Annex S.3 Flammability tests for the bottom of a fire enclosure Annex S.5 Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W Annex U Mechanical strength of CRTs and protection against the effects	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
	of implosion			

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
EN IEC 62368-1:2020+A11:2020	Audio/video, information and communication technology equipment - Part 1: Safety requirements [Exception] 4.1.4 Equipment installation 5.4.1.10.2 Vicat test 5.4.3.3 Material group and CTI 5.4.4.6.5 Mandrel test 8.5.5 High pressure lamps 10 Radiation Annex C UV radiation Annex G.1 Switches Annex G.2 Relays Annex G.3 Protective devices Annex G.4 Connectors Annex G.5 Wound components Annex G.7 Mains supply cords Annex G.8 Varistors Annex G.9 Integrated circuit (IC) current limiters Annex G.10 Resisters Annex G.13.6 Tests on coated printed boards Annex G.14 Coatings on component terminals Annex G.15 Pressurized liquid filled components Annex J Insulated winding wires for use without interleaved insulation Annex M.7 Risk of explosion from lead acid and NiCd batteries Annex M.8 Protection against internal ignition from external spark sources of batteries with aqueous electrolyte Annex R Limited short-circuit test Annex S.3 Flammability tests for the bottom of a fire enclosure Annex S.5 Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W Annex U Mechanical strength of CRTs and protection against the effects	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
	of implosion Annex Y Construction requirements for outdoor enclosures			
IEC 60065:2014, 8th ed	Audio, video and similar electronic apparatus - Safety requirements [제외항목] 6.2 Laser radiation 6.3 Light emitting diodes (LEDs) 7.2 Softening temperature 8.17 Endurance test for wound components 8.21 Mandrel test 12.1.3 Vibration test 12.3 Remote control devices held in hand 13.4 Creepage Distance(CTI) 13.6 Jointed Insulation enclosed and sealed parts 14.2 Resistors 14.3 Capacitors and RC-units 14.6 Protective devices 14.7 Switches 16. External Flexible Cord 18. Mechanical strength of picture tubes and protection against effects of implosion Annex A. Additional requirements for apparatus for outdoor use and wet locations Annex H. Insulated winding wires for use without interleaved insulation	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
IEC 60335-1:2010+A1:2013+A2:2016, Edition 5.2	Household and similar electrical appliances - Safety - Part 1: General requirements [Exception] 19.11.4.7 Mains signal test in accordance with IEC 61000-4-13 21.2 Scratch test 22.7 Pressure test 22.16 Test for automatic cord reels 22.32 Oxygen bomb aging test for natural or synthetic rubber 22.46, Software evaluation 22.48 Relevant test of IEC 61770 23 Internal wiring (flexing test) 24 Components (test) 25 Supply connection and external flexible cords (flexing test) Annex B 21 Mechanical strength Annex C Ageing test on motors Annex F Capacitors Annex G Safety isolating transformers Annex H Switches Annex I Motors having basic insulation that is inadequate for the rated voltage of the appliance Annex J Coated printed circuit boards Annex N Proof tracking test Annex R Software evaluation Annex T UV-C radiation effect on non-metallic materials	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60335-2-14:2006+A1:2008+A2:2012, Edition5.2	Household and similar electrical appliances -Safety - Part 2-14: Particular requirements for kitchen machine [Exception] 15.101 The connecting devices of stands for cordless blenders 19.102 Coffee mills and grain grinders 20.104 Blenders 22.103 Cordless blenders 25.7 Tests of 4.2 and 4.3 of IEC 60811-504:2012 and 4.2 of IEC 60811-505:2012	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
IEC 60335-2-14:2016+A1:2019, Edition6.1	Household and similar electrical appliances -Safety - Part 2-14: Particular requirements for kitchen machine [Exception] 15.101 The connecting devices of stands for cordless blenders 19.102 Coffee mills and grain grinders 20.104 Blenders 22.103 Cordless blenders 25.7 Tests of 4.2 and 4.3 of IEC 60811-504:2012 and 4.2 of IEC 60811-505:2012	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
IEC 60335-2-15:2012+A1:2016+A2:2018, Edition6.2	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids [Exception] 15.102 The connecting devices of stands for cordless appliances 19 Abnormal operation 22.7 Espresso coffee maker 22.108 Pressure cooking appliance	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60335-2-23:2003+A1:2008+A2:2012, Edition5.2	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care [Exception] 11.101 Appliances incorporating a swivel connection 19.2 Heaters for detachable curlers 19.102 Portable hair dryers 23 Internal wiring (flexing test) 25.14 Cord flexing 25.101 Swivel connections	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
IEC 60335-2-23:2016+A1:2019, Edition6.1	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care [Exception] 11.101 Appliances incorporating a swivel connection 19.2 Heaters for detachable curlers 19.102 Portable hair dryers 23 Internal wiring (flexing test) 25.14 Cord flexing 25.101 Swivel connections	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
IEC 60335-2-2:2009+A1:2012+A2:2016	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances [Exception] 11 Heating (for automatic battery-powered cleaners) 15 Moisture resistance (test free fall) 19 Abnormal operation 21.101 Resistant to crushing 21.102 Resistant to abrasion 21.103 Resistant to flexing 21.104 Resistant to torsion 21.105 Resistant to cold conditions	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60335-2-2:2019, Edition 7.0	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances [Exception] 11 Heating (for automatic battery-powered cleaners) 15 Moisture resistance (test free fall) 19 Abnormal operation 21.101 Resistant to crushing 21.102 Resistant to abrasion 21.103 Resistant to flexing 21.104 Resistant to torsion 21.105 Resistant to cold conditions 21.106 A handle intended for carrying an appliance	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
IEC 60335-2-65:2002+A1:2008+A2:2015, Edition 2.2	Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances [Exception] 16.101 High-voltage transformers 23 Internal wiring 32 Radiation, toxicity and similar hazards	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
IEC 60335-2-9:2008+A1:2012+A2:2016, Edition 6.2	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances [Exception] 11 Heating (for induction hotplate and other hotplate) 15 Moisture resistance (spillage test) 21 Mechanical strength (0.7 J impact test) 22.108 Touch controls of hotplates 23 Internal wiring (flexing test) 31 Resistance to rusting	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60335-2-9:2019, Edition 7.0	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances [Exception] 11 Heating (for induction hotplate and other hotplate) 15 Moisture resistance (spillage test) 21 Mechanical strength (0.7 J impact test) 22.108 Touch controls of hotplates 23 Internal wiring (flexing test) 31 Resistance to rusting	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60950-1:2005, 2nd ed+A1:2009+A2:2013	Information technology equipment-Safety-Part 1:General requirements [제외항목] 2.10.8.4 Abrasion resistance test 2.10.9 Thermal cycling 2.10.10 Test for Pollution Degree 1 environment and for insulating compound 2.10.11 Tests for semiconductor devices and for cemented joints 3.2.5.1 AC Power supply cord test 4.2.8 Cathode ray tube 4.3.12 Flammable liquids 4.3.13.3 Effect of ultraviolet(UV) radiation on materials 4.3.13.4 Human exposure to ultraviolet(UV) radiation 4.3.13.5 Lasers(including LEDs) Annex A. Tests for resistance to heat and fire(Hot flaming oil test) Annex B. Motor tests under abnormal conditions(AC motor) Annex U(normative) Insulated winding wires for use without interleaved insulation Annex AA Mandrel test Annex CC Evaluation of integrated circuit(IC) current limiters Annex DD Requirements for the mounting means of rack-mounted equipment Annex EE Household and home/office document/media shredders	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
IEC 62368-1:2018, Edition 3.0	Audio/video, information and communication technology equipment - Part 1: Safety requirements [Exception] 4.1.4 Equipment installation 5.4.1.10.2 Vicat test 5.4.3.3 Material group and CTI 5.4.4.6.5 Mandrel test 8.5.5 High pressure lamps 10 Radiation Annex C UV radiation Annex G.1 Switches Annex G.2 Relays Annex G.3 Protective devices Annex G.4 Connectors Annex G.5 Wound components Annex G.7 Mains supply cords Annex G.8 Varistors Annex G.9 Integrated circuit (IC) current limiters Annex G.10 Resistors Annex G.13.6 Tests on coated printed boards Annex G.14 Coatings on component terminals Annex G.15 Pressurized liquid filled components Annex J Insulated winding wires for use without interleaved insulation Annex M.7 Risk of explosion from lead acid and NiCd batteries Annex M.8 Protection against internal ignition from external spark sources of batteries with aqueous electrolyte Annex R Limited short-circuit test Annex S.3 Flammability tests for the bottom of a fire enclosure Annex S.5 Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W Annex U Mechanical strength of CRTs and protection against the effects	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
	of implosion Annex Y Construction requirements for outdoor enclosures			
K 60335-2-9:2013	가정용 및 이와 유사한 전기 기기 의 안전성 - 제2 - 9부 : 그릴, 토 스터기 및 이와 유사한 휴대용 조 리 기기의 개별 요구 사항 [제외항목] 11 온도 상승 (인덕션 방식 핫 플레이트 및 기타 다른 핫플 레이트) 15 내습성 (유출 시험) 21 기계적 강도 (0.7J 충격 에 너지) 22.108 핫플레이트의 터치 제 어 장치 23 내부 배선 (굽힘 시험) 31 내부식성	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
K 60950-1:2011	정보기술기기-안전 제1부:일반 요구사항 [제외항목] 2.10.8 코팅 인쇄회로기판과 코 팅 부품 시험 2.10.9 열 사이클링 2.10.10 오염도 1 환경과 절연 합성물 시험 2.10.11 반도체 장비와 시멘트 접합 시험 3.2.5.1 교류주전원 코드 4.2.8 브라운관 4.2.11 회전 고체 매체 4.3.12 가연성 액체 4.3.13.3 재질에 대한 자외선 영 향 4.3.13.4 자외선의 인체 노출 4.3.13.5 레이저(LED 포함) 부속서 A. 내열성시험 및 내화성 시험(점화유 시험) 부속서 B. 이상상태에서의 모터 구속 시험 (교류전동기) 부속서 U. 중간 절연 없는 절연 권선 전선 부속서 AA. 맨드릴 시험 부속서 CC. 통합회로(IC) 전류제 하기 평가 부속서 DD. 랙 부착 기기의 부착 수단 요구사항 부속서 EE. 가정용, 가정/사무실 용 문서/매체 분쇄기	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
KC 60065:2015	오디오,비디오기기 및 이와 유사한 전자기기의 안전 [제외항목] 6.2 레이저 방사 7.2 절연물의 내열성 8.17 추가적인 삽입 절연없이 절연권선을 갖는 권선부품에 대한 내구성 시험 8.21 비분리 얇은 시트 절연의 시험 규정 12.1.2 진동시험 12.3 손으로 조작하는 원격 조정장치 13.4 연면거리(비교 트레이킹 인덱스) 13.6 절연접합 14.1 저항 14.2 캐패시터 및 R-C 유닛 14.5 보호장치 14.6 스위치 16. 외부 유연성 코드 18. 브라운관의 기계적강도 및 폭축의 영향에 대한 보호 부속서 A. 물 튀김 보호기기에 대한 부가적 요구사항 부속서 H. 사이에 끼우는 절연없이 사용하는 절연된 권선용 전선	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KC 60335-1:2016	가정용 및 이와 유사한 전기기기 의 안전성 제1부: 일반 요구사항 [제외항목] 19.11.4.7 KS C IEC 61000-4-13, 표 11에 따른 주 전원 신호 시험 21.2 스크래치 시험 22.7 압력 시험 22.16 자동식 코드 릴 시험 22.32 천연고무 또는 합성고 무에 대한 산소용기 노화시험 22.46 소프트웨어 평가 22.48 KS C IEC 61770의 해 당 시험 23 내부 배선 (굽힘 시험) 24 부품 (시험) 25 전원 접속 및 외부 유연성 코 드 (굽힘 시험) 부속서 B 21 기계적 강도 부속서 C 전동기의 노화 시험 부속서 F 캐패시터 부속서 G 안전절연 변압기 부속서 H 스위치 부속서 I 기기의 정격 전압에 부 적합한 기초 절연을 갖는 전동기 부속서 J 피복된 인쇄 회로기판 부속서 N 내트래킹 시험 부속서 R 소프트웨어 평가	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
KC 60335-2-14:2016	가정용 및 이와 유사한 전기기기 의 안전성 제2-14부: 주방기기의 개별 요구사항 [제외항목] 15.101 무선 블렌더 빔침대의 연결장치 19.102 커피 분쇄기 및 곡물 분 쇄기 20.104 블렌더 22.103 무선 블렌더 25.7 KS C IEC 60811-504: 2014의 4.2 및 4.3 및 KS C IEC 60811-505:2014의 4.2 시험	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KC 60335-2-15:2020	가정용 및 이와 유사한 전기기기의 안전성 제2-15부: 액체가열용 전기기의 개별요구사항 [제외항목] 15.101 무선 주전자 받침대의 연결장치 19 이상 운전 22.7 에스프레소 커피 메이커 22.108 압력 조리 기기	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
KC 60335-2-23:2015	가정용 및 이와 유사한 전기기기의 안전성 제2-23부: 피부 손질 또는 모발 손질용 전기기기의 개별요구사항 [제외항목] 11.101 회전 이음새를 장착한 기기 19.2 분리형 컬러용 가열기 19.102 휴대형 모발 건조기 23 내부 배선 (급힐시험) 25.14 전원 코드 구부림 25.101 회전 이음쇠	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
KC 60335-2-2:2015	가정용 및 이와 유사한 전기기기의 안전성 제2-2부: 전기 진공청소기 및 물흡입 청소기의 개별 요구사항 [제외항목] 11 온도 상승(전지식 자동 청소기) 15 내습성 (자유낙하 시험) 19 이상 운전 21.101 파쇄에 대한 내성 21.102 마모에 대한 내성 21.103 굽힘에 대한 내성 21.104 비틀림에 대한 내성 21.105 저온 조건에 대한 내성	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N
KC 60335-2-65:2021	가정용 및 이와 유사한 전기기기의 안전성 제2-65부: 공기청정기의 개별 요구사항 [제외항목] 16.101 고전압 변압기 23 내부 배선 32 방사선, 유독성 및 이와 유사한 위험	Input: 600 V, 20 A Heating: (0 ~ 200) °C Withstanding Voltage: 5 kV Temp. & Humidity: (- 20 ~ +150) °C, 95% R.H. 이하 Push-Pull: (0 ~ 500) N	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

03. 전기시험

03.008 유/무선 통신기기

규격번호	규격명	시험범위	사업장	현장시험
3GPP TS 51010-1:2013	Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification (section 12)	30 MHz ~ 4 GHz	소재지	N
ANSI/TIA-603-C:2004	Land Mobile FM or PM - Communication Equipment - Measurement and Performance Standards	9 kHz ~ 40 GHz	소재지	N
EN 50360:2017	Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz: devices used next to the ear	300 MHz ~ 6 GHz	소재지	N
EN 50566:2013	Product standard to demonstrate compliance of radio frequency fields from handheld and body-mounted wireless communication devices used by the general public (30 MHz — 6 GHz)	30 MHz ~ 6 GHz	소재지	N
EN 50566:2017	Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body	30 MHz ~ 6 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
EN 62209-1:2016	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz)	300 MHz ~ 6 GHz	소재지	N
EN 62209-2:2010	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)	30 MHz ~ 6 GHz	소재지	N
EN 62311:2008	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)	9 kHz ~ 40 GHz	소재지	N
EN 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)	10 MHz ~ 40 GHz	소재지	N
ETSI EN 300 220-1V3.1.1:2017	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methods of measurement	9 kHz ~ 6 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
ETSI EN 300 220-2V3.1.1:2017	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non specific radio equipment	9 kHz ~ 6 GHz	소재지	N
ETSI EN 300 220-2V3.2.1:2018	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard for access to radio spectrum for non specific radio equipment	9 kHz ~ 6 GHz	소재지	N
ETSI EN 300 220-3-1V2.1.1:2016	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-1: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Low duty cycle high reliability equipment, social alarms equipment operating on designated frequencies (869,200 MHz to 869,250 MHz)	9 kHz ~ 6 GHz	소재지	N
ETSI EN 300 220-3-2V1.1.1:2017	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 3-2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Wireless alarms operating in designated LDC/HR frequency bands 868,60 MHz to 868,70 MHz, 869,25 MHz to 869,40 MHz, 869,65 MHz to 869,70 MHz	9 kHz ~ 6 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
ETSI EN 300 220-4V1.1.1:2017	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 4: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU; Metering devices operating in designated band 169,400 MHz to 169,475 MHz	9 kHz ~ 6 GHz	소재지	N
ETSI EN 300 328V1.8.1:2012	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive	30 MHz ~ 12.75 GHz	소재지	N
ETSI EN 300 328V1.9.1:2015	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive	30 MHz ~ 12.75 GHz	소재지	N
ETSI EN 300 328V2.1.1:2016	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	30 MHz ~ 12.75 GHz	소재지	N
ETSI EN 300 328V2.2.2:2019	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum	30 MHz ~ 12.75 GHz	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
ETSI EN 300 330V2.1.1:2017	Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	9 kHz ~ 1 GHz	소재지	N
ETSI EN 300 440V2.1.1:2017	Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	30 MHz ~ 40 GHz	소재지	N
ETSI EN 300 440V2.2.1:2018	Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard for access to radio spectrum	30 MHz ~ 40 GHz	소재지	N
ETSI EN 301 893V1.8.1:2015	Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	30 MHz ~ 26 GHz	소재지	N
ETSI EN 301 893V2.1.1:2017	5 GHz RLAN; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	30 MHz ~ 26 GHz	소재지	N
FCC OET Bulletin 65 supplementC:2001	Evaluation Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields	30 MHz ~ 6 GHz	소재지	N
FCC Part 101:2018	Fixed microwave services	9 kHz ~ 40 GHz	소재지	N
FCC Part 15SubpartC:2018	Radio Frequency Devices; Intentional Radiators	9 kHz ~ 40 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
FCC Part 15SubpartE:2018	Radio Frequency Devices;Unlicensed National Information Infrastructure Devices	9 kHz ~ 40 GHz	소재지	N
FCC Part 2.1091:2018	Radiofrequency radiation exposure evaluation: mobile devices	100 MHz ~ 6 GHz	소재지	N
FCC Part 2.1093:2018	Radiofrequency radiation exposure evaluation: portable devices	100 MHz ~ 6 GHz	소재지	N
FCC Part 20:2018	Commercial mobile services	9 kHz ~ 40 GHz	소재지	N
FCC Part 22:2018	Public Mobile Services	9 kHz ~ 40 GHz	소재지	N
FCC Part 24:2018	Personal Communications Services	9 kHz ~ 40 GHz	소재지	N
FCC Part 25:2018	Satellite communications	9 kHz ~ 40 GHz	소재지	N
FCC Part 27:2018	Miscellaneous wireless communications service	9 kHz ~ 40 GHz	소재지	N
FCC Part 2:2018	Frequency allocations and radio treaty matters;general rules and regulations	9 kHz ~ 40 GHz	소재지	N
FCC Part 90:2018	Private land mobile radio service	9 kHz ~ 40 GHz	소재지	N
FCC Part 95:2018	Personal radio services	9 kHz ~ 40 GHz	소재지	N
FCC Part 97:2018	Amateur radio service	9 kHz ~ 40 GHz	소재지	N
IEC 62209-1:2005	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)	300 MHz ~ 3 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
IEC 62209-1:2016	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz)	300 MHz ~ 6 GHz	소재지	N
IEC 62209-2:2010	Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)	30 MHz ~ 6 GHz	소재지	N
IEC 62311:2007	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)	9 kHz ~ 40 GHz	소재지	N
IEC 62311:2019	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)	9 kHz ~ 40 GHz	소재지	N
IEC 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)	10 MHz ~ 40 GHz	소재지	N
IEEE 1528:2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques	300 MHz ~ 6 GHz	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
RSS-102 Issue5:2015	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	9 kHz ~ 40 GHz	소재지	N
RSS-119 Issue12:2015	Land Mobile and Fixed Equipment Operating in the Frequency Range 27.41-960 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-130 Issue2:2019	Mobile Broadband Services (MBS) Equipment Operating in the Frequency Bands 698-756 MHz and 777-787 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-131 Issue3:2017	Zone Enhancers for the Land Mobile Service	9 kHz ~ 40 GHz	소재지	N
RSS-132 Issue3:2013	800 MHz Cellular Telephones Employing New Technologies	9 kHz ~ 40 GHz	소재지	N
RSS-133 Issue6:2018Amendment1	2 GHz Personal Communication Services	9 kHz ~ 40 GHz	소재지	N
RSS-134 Issue2:2016	900 MHz Narrowband Personal Communications Services	9 kHz ~ 40 GHz	소재지	N
RSS-139 Issue3:2015	Advanced Wireless Services (AWS) Equipment Operating in the Bands 1710-1780 MHz and 2110-2180 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-140 Issue1:2018	Equipment Operating in the Public Safety Broadband Frequency Bands 758-768 MHz and 788-798 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-192 Issue4:2020	Fixed Wireless Access Equipment Operating in the Band 3450 - 3650 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-194 Issue1:2007	Fixed Wireless Access Equipment Operating in the Band 953-960 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-195 Issue2:2014	Wireless Communications Service Equipment Operating in the Bands 2305-2320 MHz and 2345-2360 MHz	9 kHz ~ 40 GHz	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
RSS-197 Issue1:2010	Wireless Broadband Access Equipment Operating in the Band 3650-3700 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-199 Issue3:2016	Broadband Radio Service (BRS) Equipment Operating in the Band 2500-2690 MHz	9 kHz ~ 40 GHz	소재지	N
RSS-210 Issue10:2019	Licence-Exempt Radio Apparatus: Category I Equipment	9 kHz ~ 40 GHz	소재지	N
RSS-216 Issue2:2016	Wireless Power Transfer Devices	9 kHz ~ 1 GHz	소재지	N
RSS-247 Issue2:2017	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices	9 kHz ~ 40 GHz	소재지	N
RSS-Gen Issue5:2019Amendment1	General Requirements for Compliance of Radio Apparatus	9 kHz ~ 40 GHz	소재지	N
과학기술정보통신부 고시 제2019-4호 (2019.01.16)	전자파인체보호기준	300 MHz ~ 6 GHz	소재지	N
과학기술정보통신부 고시 제2020-58호 (2020.10.16)	신고하지 아니하고 개설했을 수 있는 무선국용 무선기기	9 kHz ~ 40 GHz	소재지	N
과학기술정보통신부 고시 제2020-59호 (2020.01.16)	신고하지 아니하고 개설했을 수 있는 무선국용 무선설비의 기술기준	9 kHz ~ 40 GHz	소재지	N
과학기술정보통신부 령 제1호 (2017.07.26)	무선설비규칙	9 kHz ~ 40 GHz	소재지	N
국립전파연구원고시 제2018-18호 (2018.12.07)	전자파흡수율측정기준	300 MHz ~ 6 GHz	소재지	N
국립전파연구원고시 제2018-26호 (2018.11.13)	가이무선국·우주국·지구국의 무선설비 및 전파탐지용 무선설비 등 그 밖의 업무용 무선설비의 기술기준	9 kHz ~ 26.5 GHz	소재지	N
국립전파연구원고시 제2019-9호 (2019.06.03)	전기통신사업용 무선설비의 기술기준	9 kHz ~ 40 GHz	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

03. 전기시험

03.009 조명기기

규격번호	규격명	시험범위	사업장	현장시험
BS EN 60529:1992+A2:2013	Degrees of protection provided by enclosures (IP code)	Dust(IP) : 1 ~ 6 Water(IP) : 1 ~ 8	소재지-1	N
BS EN 60598-1:2015+A1:2018	Luminaires-Part 1 : General requirements and tests [Exception] 4.4 Lampholders (Test application E26, E39, G13) 4.5 Starterholders 4.19 Ignitors 4.21 Protective shield 4.24.1 UV radiation 9.2.9 Pressure watertight luminaires 12.5.1.e Halogen Lamp 12.7.2 Test for luminaires with temperature sensing controls internal/external to the ballast or transformer	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 60598-2-20:2015	Luminaires. Particular requirements - Lighting chains [Exception] Mechanical strength	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 60598-2-2:2012	Luminaires. Particular requirements Recessed luminaires	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 60598-2-3:2003+A1:2011	Luminaires Particular requirements - Luminaires for road and street lighting	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
BS EN 60598-2-4:2018	Luminaires. Particular requirements	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 60598-2-5:2015	Luminaires. Particular requirements - Floodlights	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 60968:2015	Self-ballasted fluorescent lamps for general lighting services - Safety requirements (Application) E17, E26, E39 [Exception] Photobiological safety	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 61347-1:2015+A1:2021	Lamp controlgear. General and safety requirements	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN 61347-2-13:2014+A1:2017	Lamp controlgear. Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
BS EN IEC 60598-2-1:2021	Luminaires :Particular requirements Fixed general purpose luminaires	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
BS EN IEC 62031:2020	LED modules for general lighting. Safety specifications	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60529:1989+AMD 1:1999+AMD2:2013CSV	Degrees of protection provided by enclosures (IP Code)	Dust(IP) : 1 ~ 6 Water(IP) : 1 ~ 8	소재지-1	N
IEC 60598-1:2020	Luminaires-Part 1 : General requirements and tests [Exception] 4.4 Lampholders (Test application E26, E39, G13) 4.5 Starterholders 4.19 Ignitors 4.21 Protective shield 4.24.1 UV radiation 9.2.9 Pressure watertight luminaires 12.5.1.e Halogen Lamp 12.7.2 Test for luminaires with temperature sensing controls internal/external to the ballast or transformer	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60598-2-1:2020	Luminaires. Part 2-1: Particular requirements-Fixed general purpose luminaires	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60598-2-20:2014	Luminaires - Part 2-20: Particular requirements - Lighting chains [Exception] Mechanical strength	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60598-2-2:2011	Luminaires - Part 2-2: Particular requirements - Recessed luminaires	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60598-2-3:2002+AMD1:2011CSV	Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60598-2-4:2017	Luminaires - Part 2-4: Particular requirements - Portable general purpose luminaires	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60598-2-5:2015	Luminaires - Part 2-5: Particular requirements - Floodlights	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 60968:2015	Self-ballasted fluorescent lamps for general lighting services - Safety requirements (Application) E17, E26, E39 [Exception] Photobiological safety	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 61347-1:2015+AMD1:2017CSV	Lamp controlgear - part 1 : General and safety requirements	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 61347-2-13:2014+AMD1:2016 CSV	Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
IEC 62031:2018	LED modules for general lighting - Safety specifications	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
K 10021	직관형 LED램프(컨버터 외장형)용등기구 - 안전요구사항 [제외항목] D12	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 10023:2020	안정기 내장형 LED 램프 (적용) E17, E26, E39	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 20001:2015	직관형 LED 램프 - 컨버터 외장형 - 안전 및 성능 요구사항 (제외) D12	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60529:2015	외각에 따른 보호등급 분류(IP등급)	Dust(IP) : 1 ~ 6 Water(IP) : 1 ~ 8	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KC 60598-1:2015	등기구 제1부 : 일반요구사항 및 시험 [제외항목] 4.4 램프홀더 (E26, E39, G13만 시험적용) 4.5 시동기 홀더 4.19 점화기 4.21 보호 차폐 4.24 uv 방사 9.2.9 수중형 등기구 12.5.1.e 할로겐 램프 회로 12.7.2 안정기/변압기 내외부에 온도 감지 조절기가 있는 등기구에 대한 시험	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60598-2-1:2015	등기구 제2-1부 : 고정형 등기구 개별요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60598-2-20:2019	등기구 제2-20부 : 체인형 조명기구 개별요구사항 [제외항목] 20.6.14 밀봉된 체인형 조명기구는 적당한 기계적 강도를 가져야 한다.	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60598-2-2:2015	등기구 제2-2부 매입형 등기구 개별요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60598-2-3:2015	등기구 제2-3부:가로등기구-개별요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KC 60598-2-4:2015	등기구 제2-4부 : 이동형 등기구 개별요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60598-2-5:2015	등기구 제2-5부 : 투광조명기구 개별요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 60968:2015	안정기 내장형 램프 - 안전요구사항 (적용) E17, E26, E39 [제외항목] 14. UV 방사선	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 61347-1:2015	램프구동장치-제1부 : 일반 및 안전요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 61347-2-13:2015	램프구동장치 제2-13부: LED 모듈용 DC/AC 구동장치 - 개별 요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KC 62031:2015	일반 조명용 LED 모듈 - 안전 요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KS A 0068:2015	광원색의 측정방법	분광분포 : (380 ~ 780) nm	소재지-1	N
KS C 0075:2017	광원의 연색성 평가 방법	분광분포 : (380 ~ 780) nm	소재지-1	N
KS C 7612:1987	조도 측정 방법	조도 : (1 ~ 99 000) lx	소재지-1	N
KS C 7613:1999	휘도 측정 방법	휘도 : (1 ~ 1 000 000) cd/m ²	소재지-1	N
KS C 7614:1987	측광 표준용 전구의 측광 방법 5. 측정방법 5.1 점등과 전압 및 전류의 측정 5.3 온광속 측정	입력전압 : Max 300 V 온광속 : (1 ~ 50 000) lm	소재지-1	N
KS C 7651:2020	컨버터 내장형 LED 램프 (E17, E26, E39만 적용) [제외항목] 6.12 전기자기 KS C 9815 및 KS C 9547	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C 7653:2020	매입형 및 고정형 LED 등기구 [제외항목] 6.14 전기자기 KS C 9815 및 KS C 9547	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C 7655:2020	LED 모듈 전원공급용 컨버터 [제외항목] 6.15 전기자기 적합성 K S C 9815 및 KS C 9547	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
KS C 7656:2020	이동형 LED/OLED 등기구 [제외항목] 6.12 전기자기 적합성 K S C 9815 및 KS C 9547 6.13 광생물학적안전성 7.6 조도	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H. 배광시험: - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N
KS C 7657:2020	LED 센서 등기구 [제외항목] 6.14 전기자기 적합성 K S C 9815 및 KS C 9547 7.6.3 개폐시험	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H. 배광시험: - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N
KS C 7658:2020	LED 가로등 및 보안등 기구 [제외항목] 6.13 전기자기 적합성 K S C 9815 및 KS C 9547	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H. 배광시험: - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
KS C 7659:2013	문자 간판용 LED 모듈의 안전 및 성능 요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H. 배광시험 : - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N
KS C 7712:2020	LED 투광 등기구 [제외항목] 6.13 전기자기 적합성 K S C 9815 및 KS C 9547	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H. 배광시험 : - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N
KS C 7716:2020	LED 터널 등기구 [제외항목] 6.13 전기자기 적합성 K S C 9815 및 KS C 9547	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H. 배광시험 : - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N
KS C IEC 60529:2013	외함의 밀폐 보호등급 구분(IP 코드)	Dust(IP) : 1 ~ 6 Water(IP) : 1 ~ 8	소재지-1	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KS C IEC 60598-1:2014	등기구 - 제1부 : 일반 요구사항 및 시험 [제외항목] 4.4 램프홀더 (E26, E39, G13만 시험적용) 4.5 시동기 홀더 4.19 점화기 4.21 보호 차폐 4.24 UV 방사 9.2.9 수중형 등기구 12.5.1.e 할로겐 램프 회로 12.7.2 안정기/변압기 내외부에 온도 감지 조절기가 있는 등기구에 대한 시험	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 60598-2-1:2020	등기구 - 제2 - 1부 : 고정형 등기구 - 개별 요구 사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 60598-2-20:2014	등기구 - 제2 - 20부 : 조명등 체인 - 개별 요구 사항 [제외항목] 20.7.6 기계적 강도	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 60598-2-2:2011	등기구 - 제2 - 2부 : 매입형 - 등기구 개별 요구 사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 60598-2-3:2014	등기구 - 제2-3부: 가로등기구 - 개별 요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KS C IEC 60598-2-4:2017	등기구 - 제2 - 4부 : 이동형 등기구 - 개별 요구 사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 60598-2-5:2015	등기구 - 제2 - 5부 : 투광 등기구 - 개별 요구 사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 60968:2015	안정기 내장형 형광램프 — 안전 요구사항 (적용) E17, E26, E39 [제외항목] 16. 광생물학적 안전성	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC 62031:2018	일반 조명용 LED 모듈 - 안전 규격	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC61347-1:2015	램프 구동장치 - 제1부 : 일반 및 안전요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N
KS C IEC61347-2-13:2014	램프 구동장치 - 제2-13부 : LED 모듈 구동장치(DC/AC) 개별 요구사항	입력전압 : Max 300 V 접지연속성시험기 : 5.4 V, 66A 절연내력 : 5 kV, 200 mA 절연저항 : Max 9.9 GΩ 항온항습기: - 온도 : -40 °C ~ 120 °C - 습도 : Max 98 % R.H.	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
환경부고시 제2020-77호(2020.04.13)	환경표지대상제품 및 인증기준 EL209 일반조명용 LED램프 EL210 LED 등기구	배광시험 : - 광속 : (1 ~ 100 000) lm 적분구 : - 역율 : 0 ~ 1 - 연색성 : 0 ~ 100 - 상관색온도 (1 600 ~ 10 000) K	소재지-1	N

Korea Laboratory Accreditation Scheme

제 KT141호

03. 전기시험

03.011 전자기적합성

규격번호	규격명	시험범위	사업장	현장시험
ANSI C63.4:2014	Methods of Measurement of Radio-Noise emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	9 kHz to 40 GHz	소재지	N
ANSI C63.4:2017	Methods of Measurement of Radio-Noise emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	9 kHz to 40 GHz	소재지	N
AS CISPR 11:2017	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement [exception] 6.2. rated input power 20 kVA over. 30 m Test method clause 7.6.7 Electric welding equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
AS CISPR 14.1:2018	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus Emission	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N
AS/NZS CISPR 14.1:2013	Household appliances, power tools, battery operated tools, electric and electronic toys, heating appliances, kitchen machines, motor operated appliances	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N
AS/NZS CISPR 22:2009 with Amd 1:2010	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
AS/NZS CISPR 32:2013	Electromagnetic compatibility of multimedia equipment - Emission requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
AS/NZS CISPR 32:2015	Electromagnetic compatibility of multimedia equipment - Emission requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
CISPR 11:2015+A1:2016	Industrial scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement [exception] 6.2. rated input power 20 kVA over. 30 m Test method clause 7.6.7 Electric welding equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
CISPR 11:2015+A1:2016 +A2:2019	Industrial scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement [exception] 6.2. rated input power 20 kVA over. 30 m Test method clause 7.6.7 Electric welding equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
CISPR 13:2009+A1:2015	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
CISPR 14-1:2016	Household appliances, power tools, battery operated tools, electric and electronic toys, heating appliances, kitchen machines, motor operated appliances	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N
CISPR 14-1:2020	Household appliances, power tools, battery operated tools, electric and electronic toys, heating appliances, kitchen machines, motor operated appliances	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
CISPR 14-2:2015	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
CISPR 14-2:2020	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
CISPR 15:2013+A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
CISPR 15:2018	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
CISPR 22:2008	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
CISPR 24:2010+A1:2015	Information technology equipment - Immunity characteristics - Limits and methods of measurement	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
CISPR 32:2015	Electromagnetic compatibility of multimedia equipment - Emission requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
CISPR 32:2015+A1:2019	Electromagnetic compatibility of multimedia equipment - Emission requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
CISPR 35:2016	Electromagnetic compatibility of multimedia equipment - Immunity requirements	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 50130-4:2011+A1:2014	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder and social alarm systems	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 50498:2010	Electromagnetic compatibility (EMC). Product family standard for aftermarket electronic equipment in vehicles	RE : 30 MHz to 1 GHz CTI : Pluse 1 ,2a , 2b , 3a , 3 b , 4 CTE : 12 V , 24 V System	소재지	N
EN 55011:2016+A11:2020	Industrial scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement [exception] 6.2. rated input power 20 kVA over. 30 m Test method clause 7.6.7 Electric welding equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
EN 55011:2016+A1:2017	Industrial scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement [exception] 6.2. rated input power 20 kVA over. 30 m Test method clause 7.6.7 Electric welding equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 55013:2013+A1:2016	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
EN 55014-1:2006+A1:2009+A2:2011	Household appliances, power tools, battery operated tools, electric and electronic toys, heating appliances, kitchen machines, motor operated appliances	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N
EN 55014-1:2017	Household appliances, power tools, battery operated tools, electric and electronic toys, heating appliances, kitchen machines, motor operated appliances	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N
EN 55014-1:2017+A11:2020	Household appliances, power tools, battery operated tools, electric and electronic toys, heating appliances, kitchen machines, motor operated appliances	CE : 9 kHz to 30 MHz RE : 30 MHz to 1 GHz DP : 30 MHz to 300 MHz	소재지	N
EN 55014-2:1997+A1:2001+A1:2008	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
EN 55014-2:2015	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
EN 55015:2013+A1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
EN 55022:2010+AC:2011	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 55024:2010+A1:2015	Information technology equipment - Immunity characteristics - Limits and methods of measurement	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 55032:2015	Electromagnetic compatibility of multimedia equipment - Emission requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
EN 55032:2015+A11:2020	Electromagnetic compatibility of multimedia equipment - Emission requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
EN 55035:2017	Electromagnetic compatibility of multimedia equipment. Immunity requirements.	ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 55035:2017+A11:2020	Electromagnetic compatibility of multimedia equipment. Immunity requirements.	ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-1-2:2015	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60601-2-10:2015+A1:2016	Medical electrical equipment. Particular requirements for the basic safety and essential performance of nerve and muscle stimulators.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-18:2015	Particular requirements for the basic safety and essential performance of endoscopic equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-19:2009+A1:2016	Medical electrical equipment. Particular requirements for the basic safety and essential performance of infant incubators.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-22:2013	Medical electrical equipment. Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
EN 60601-2-24:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of infusion pumps and controllers.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-25:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of electrocardiographs.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-26:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of electroencephalographs.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-27:2014	Medical electrical equipment. Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60601-2-34:2014	Medical electrical equipment. Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-37:2008+A1:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-44:2009+A1:2012+A2:2016	Medical electrical equipment. Particular requirements for safety. Particular requirements for the safety of X-ray equipment for computed tomography.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-45:2011+A1:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60601-2-47:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-49:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-4:2011+A1:2019	Medical electrical equipment. Particular requirements for the basic safety and essential performance of cardiac defibrillators.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-54:2009+A1:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 60601-2-5:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of ultrasonic physiotherapy equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-63:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of dental extra-oral X-ray equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 60601-2-63:2015+A1:2019	Medical electrical equipment. Particular requirements for the basic safety and essential performance of dental extra-oral X-ray equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Max. 16 A	소재지	N
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	Max. 16 A	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 61000-3-3:2013+A1:2019	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	Max. 16 A	소재지	N
EN 61000-4-11:2004+A1:2017	Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests	Max. 16 A	소재지	N
EN 61000-4-2:2009	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	Max. 30 kV	소재지	N
EN 61000-4-3:2006+A1:2008+A2:2010	Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test	80 MHz to 6 GHz	소재지	N
EN 61000-4-4:2012	Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	Max. 4 kV	소재지	N
EN 61000-4-5:2014+A1:2017	Part 4-5: Testing and measurement techniques — Surge immunity test	Max. 4 kV	소재지	N
EN 61000-4-6:2014	Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	0.15 MHz to 230 MHz	소재지	N
EN 61000-4-8:2010	Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	M/F : 100 A	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 61000-6-1:2007	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61000-6-2:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61000-6-3:2007+A1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
EN 61000-6-4:2007+A1:2011	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
EN 61326-1:2013	Electrical equipment for measurement, control and laboratory use - EMC requirements Part 1: General requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61326-2-1:2013	Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 61326-2-2:2013	Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61326-2-3:2013	Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61326-2-4:2013	Part 2-4: Particular requirements Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8, and for equipment for insulation fault location according to IEC 61557-9	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61326-2-5:2013	Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with interfaces according to IEC 61784-1, CP 3/2	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 61326-2-6:2013	Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN 61547:2009	Equipment for general lighting purposes - EMC immunity requirements	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
EN 80601-2-30:2010+A1:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers, and essential performance of automated non-invasive sphygmomanometers	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 80601-2-35:2009+A1:2016	Medical electrical equipment. Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN 80601-2-60:2015	Medical electrical equipment. Particular requirements for the basic safety and essential performance of dental equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN IEC 55015:2019	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN IEC 55015:2019+A11:2020	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
EN IEC 60601-2-28:2019	Medical electrical equipment. Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN IEC 60601-2-2:2018	Medical electrical equipment. Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN IEC 61000-3-2:2019	Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤16 A per phase).	Max. 16 A	소재지	N
EN IEC 61000-4-11:2020	Electromagnetic compatibility (EMC). Testing and measurement techniques. Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase.	Max. 16 A	소재지	N
EN IEC 61000-6-1:2019	Electromagnetic compatibility (EMC). Generic standards. Immunity standard for residential, commercial and light-industrial environments.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
EN IEC 61000-6-2:2019	Electromagnetic compatibility (EMC). Generic standards. Immunity standard for industrial environments.	ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN IEC 61000-6-4:2019	Electromagnetic compatibility (EMC). Generic standards. Emission standard for industrial environments.	ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN IEC 80601-2-49:2019	Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN ISO 80601-2-55:2018	Medical electrical equipment. Particular requirements for the basic safety and essential performance of respiratory gas monitors.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
EN ISO 80601-2-56:2017+A1:2020	Medical electrical equipment. Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
EN ISO 80601-2-61:2019	Medical electrical equipment. Particular requirements for basic safety and essential performance of pulse oximeter equipment.	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
ETSI EN 301 489-17:2017	Specific conditions for Broadband Data Transmission Systems	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
ETSI EN 301 489-17:2020	Specific conditions for Broadband Data Transmission Systems	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
ETSI EN 301 489-1:2019	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
ETSI EN 301 489-3:2019	Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
ETSI EN 301 489-50:2019	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP: (0~100) %	소재지	N
ETSI EN 301 489-52:2016	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP: (0~100) %	소재지	N
FCC Part 15:2020	Radio Frequency Device Subpart B—Unintentional Radiators	CE : 9 kHz to 30 MHz RE : 30 MHz to 40 GHz	소재지	N
ICES-001:2020	Industrial, scientific and medical radio-frequency Generators	9 kHz to 40 GHz	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
ICES-003:2020	Information Technology Equipment (ITE) — Limits and methods of measurement	9 kHz to 40 GHz	소재지	N
IEC 60601-1-2:2007	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
IEC 60601-1-2:2014	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
IEC 60601-1-2:2014+A1:2020	Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-10:2012 +A1:2016	Medical electrical equipment - Part 2-10: Particular requirements for the basic safety and essential performance of nerve and musclestimulators	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
IEC 60601-2-18:2009	Medical electrical equipment - Part 2-18: Particular requirements for the basic safety and essential performance of endoscopic equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-19:2009 +A1:2016	Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-19:2020	Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-22:2007 +A1:2012	Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60601-2-22:2019	Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-24:2012	Medical electrical equipment - Part 2-24: Particular requirements for the basic safety and essential performance of infusion pumps and controllers	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-25:2011	Medical electrical equipment - Part 2-25: Particular requirements for the basic safety and essential performance of electrocardiographs	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-26:2012	Medical electrical equipment - Part 2-26: Particular requirements for the basic safety and essential performance of electroencephalographs	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60601-2-27:2011	Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-28:2017	Medical electrical equipment - Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-2:2017	Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-34:2011	Medical electrical equipment - Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
IEC 60601-2-37:2007+A1:2015	Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-44:2009+A1:2012+A2:2016	Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-45:2011+A1:2015	Medical electrical equipment - Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-47:2012	Medical electrical equipment - Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장시험
IEC 60601-2-49:2011	Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-4:2010 +A1:2018	Medical electrical equipment - Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-54:2009 +A1:2015+A2:2018	Medical electrical equipment - Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 60601-2-5:2009	Medical electrical equipment - Part 2-5: Particular requirements for the basic safety and essential performance of ultrasonic physiotherapy equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 60601-2-63:2012 +A1:2017	Medical electrical equipment - Part 2-63: Particular requirements for the basic safety and essential performance of dental extra-oral X-ray equipment and essential performance of dental extra-oral X-ray equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 61000-3-2:2014	Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Max. 16 A	소재지	N
IEC 61000-3-2:2018	Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Max. 16 A	소재지	N
IEC 61000-3-2:2018+A1:2020	Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Max. 16 A	소재지	N
IEC 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	Max. 16 A	소재지	N
IEC 61000-3-3:2013+A1:2017	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	Max. 16 A	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 61000-4-11:2004	Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests	Max. 16 A	소재지	N
IEC 61000-4-11:2004+A1:2017	Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests	Max. 16 A	소재지	N
IEC 61000-4-11:2020	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase	Max. 16 A	소재지	N
IEC 61000-4-2:2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	Max. 30 kV	소재지	N
IEC 61000-4-3:2006+A1:2007+A2:2010	Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test	80 MHz to 6 GHz	소재지	N
IEC 61000-4-4:2012	Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	Max. 4 kV	소재지	N
IEC 61000-4-5:2014	Part 4-5: Testing and measurement techniques — Surge immunity test	Max. 4 kV	소재지	N
IEC 61000-4-5:2014+A1:2017	Part 4-5: Testing and measurement techniques — Surge immunity test	Max. 4 kV	소재지	N
IEC 61000-4-6:2013	Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	0.15 MHz to 230 MHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 61000-4-8:2009	Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	M/F : 100 A	소재지	N
IEC 61000-6-1:2005	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61000-6-1:2016	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61000-6-2:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61000-6-2:2016	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61000-6-3:2006+A1:2010	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
IEC 61000-6-3:2020	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 61000-6-4:2006+A1:2010	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
IEC 61000-6-4:2018	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz	소재지	N
IEC 61326-1:2012	Electrical equipment for measurement, control and laboratory use - EMC requirements Part 1: General requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61326-2-1:2012	Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61326-2-2:2012	Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61326-2-3:2012	Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 61326-2-4:2012	Part 2-4: Particular requirements Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61326-2-5:2012	Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with interfaces according to IEC 61784-1, CP 3/2	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61326-2-6:2012	Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61547:2009	Equipment for general lighting purposes - EMC immunity requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
IEC 61547:2020	Equipment for general lighting purposes - EMC immunity requirements	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
IEC 80601-2-30:2018	Medical electrical equipment-Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 80601-2-35:2009+A1:2016	Medical electrical equipment - Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 80601-2-49:2018	Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
IEC 80601-2-60:2019	Medical electrical equipment - Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
ISO 80601-2-55:2018	Medical electrical equipment -- Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
ISO 80601-2-56:2017+AMD1:2018	Medical electrical equipment -- Part 2-56: Particular requirements for basic safety and essential performance of clinical thermometers for body temperature measurement	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
ISO 80601-2-61:2017	Medical electrical equipment -- Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
KN 15:2019	조명기기 장애 방지 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
KN 22:2009	정보기기류 장애방지시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
KN 24:2011	정보기기류 내성시험방법	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KN 301 489-17:2013	무선데이터 통신시스템용 특정소출력 무선기기 전자파적합성 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
KN 301 489-1:2017	무선설비기기류의 공통전자파적합성 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
KN 301 489-24:2008	이동통신용 무선설비의 기기에 대한 전자파적합성 시험방법	WCDMA	소재지	N
KN 301 489-3	특정소출력 무선기기 전자파적합성 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
KN 301 489-50:2018	이동통신 기지국, 중계기, 보조기기에 대한 전자파적합성 시험방법	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KN 301 489-52:2018	이동통신 단말기, 보조기기에 대한 전자파적합성 시험방법	CE : 9 kHz ~ 30 MHz RE : 9 kHz ~ 18 GHz F/H : ≤16 A ESD: ± 30 kV RS: 30 V/m, 80 MHz to 6 000 MHz EFT: ±4 kV Surge: ±4 kV CS: 0.15 MHz to 80 MHz MF: 100 A/m V-DIP:(0~100)%	소재지	N
KN 301 489-7:2008	이동가입무선전화장치 및 개인 휴대전화용 무선설비의 기기에 대한 전자파적합성 시험방법	CDMA & PCS	소재지	N
KN 32:2015	멀티미디어기기 전자파 장애방지 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
KN 35:2015	멀티미디어기기 전자파 장애방지 시험방법	ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N
KN 41:2015	자동차 및 내연기관 구동기기류 등의 전자파적합성 시험방법	RE : 30 MHz to 1 GHz BCI : 9 kHz to 400 MHz RS : up to 2 GHz CTI : Pluse 1 ,2a , 2b , 3a , 3 b , 4 CTE : 12 V , 24 V System	소재지	N
KN 60601-1-2:2008	의료용 전기기기류 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
KN 61000-4-11:2008	전압강하 및 순간 정전 내성 시험방법	Max. 16 A	소재지	N
KN 61000-4-2:2013	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	Max. 30 kV	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KN 61000-4-3:2011	방사성 RF 전자기장 내성 시험방법	80 MHz to 6 GHz	소재지	N
KN 61000-4-4:2011	EFT/버스트 내성 시험방법	Max. 4 kV	소재지	N
KN 61000-4-5:2008	서어지 내성 시험방법	Max. 4 kV	소재지	N
KN 61000-4-6:2013	전도성 RF 전자기장 내성 시험방법	0.15 MHz to 230 MHz	소재지	N
KN 61000-4-8:2013	전원 주파수 자계 내성 시험방법	M/F : 100 A	소재지	N
KN 61547:2012	조명기기류에 대한 내성 시험방법	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
KS C 9547:2017	일반적인조명목적용위험기기 -전자기적합성(EMC) -내성요구사항	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max. 16 A MF : 100 A/m	소재지	N
KS C 9610-4-11:2017	전자자기적합성(EMC) - 제4-11부 : 시험 및 측정 기술 - 전압 강하, 순간 정전 및 전압 변동 내성 시험	Max. 16 A	소재지	N
KS C 9610-4-2:2017	전자자기적합성(EMC) - 제4-2부 : 시험 및 측정 기술 - 정전기 방전 내성 시험	Max. 30 kV	소재지	N
KS C 9610-4-3:2017	전자자기적합성(EMC) - 제4-3부 : 시험 및 측정 기술 - 방사성 RF 전자기장 내성 시험	80 MHz to 6 GHz	소재지	N
KS C 9610-4-4:2017	전자자기적합성(EMC) - 제4-4부 : 시험 및 측정 기술 - 전기적 빠른 과도현상/버스트 내성 시험	Max. 4 kV	소재지	N
KS C 9610-4-5:2017	전자자기적합성(EMC) - 제4-5부 : 시험 및 측정 기술 - 서지 내성 시험	Max. 4 kV	소재지	N

한국인정기구(KOLAS)는 국제시험기관인정협력체(ILAC)의 상호인정협정(MRA) 서명기구입니다.

Korea Laboratory Accreditation Scheme

제 KT141호

규격번호	규격명	시험범위	사업장	현장 시험
KS C 9610-4-6:2017	전기자기적합성(EMC) - 제4-6부 : 시험 및 측정 기술 - 전도성 RF 전자기장 내성시험	0.15 MHz to 230 MHz	소재지	N
KS C 9610-4-8:2017	전기자기적합성(EMC) - 제4-8부 : 시험 및 측정기술 - 전원주파수 자계 내성 시험	M/F : 100 A	소재지	N
KS C 9815:2019	전기자기적합성조명기기유사기기의(EMC)-전기자기장해측정 방법및측정의한계값	CE : 9 kHz to 30 MHz RE : 30 MHz to 6 GHz	소재지	N
KS C IEC 60601-1-2:2014	의료용전기기기 - 제 1-2부 : 기본 안전 및 필수 성능에 관한 일반 요구사항 - 보조표준: 전자파 장애-요구사항 및 시험	CE : 9 kHz to 30 MHz RE : 30 MHz to 18 GHz ESD: 30 kV RS : 80 MHz to 6 GHz CS : 150 kHz to 230 MHz EFT & Surge : Max. 4 kV Dip : Max.16 A MF : 100 A/m	소재지	N

Korea Laboratory Accreditation Scheme

제 KT141호

03. 전기시험

03.013 에너지효율

규격번호	규격명	시험범위	사업장	현장시험
IESLM-79-19	OPTICAL AND ELECTRICAL MEASUREMENTS OF SOLID-STATE LIGHTING PRODUCTS	직류 120 V 이하 또는 교류 300 V 이하	소재지-1	N
산업통상자원부고시 제2020-211호 (2020.12.04)	대기전력저감 프로그램 운용규정 [제외항목] 제3조(대기전력저감대상 제품의 지정 등) ①의 18.모뎀 19.홈게이트웨이 22.디지털컨버터	2 kW	소재지	N
산업통상자원부고시 제2020-225호 (2020.12.30)	효율관리기자재운용규정 제4조 (효율관리기자재의 지정 및 범위와 측정방법 등) ①의 20.어댑터,충전기 37. 셋톱박스	2 kW	소재지	N
산업통상자원부고시 제2020-225호 (2020.12.30.)	효율관리기자재운용규정 38. 컨버터 내장형 LED 램프	38. AC 220 V, 60 Hz	소재지-1	N
산업통상자원부고시 제2020-40호 (2020.12.31.)	고효율에너지기자재 보급촉진에 관한 규정 15. 문자간판용LED모듈 20. 등기구 21. LED램프 22. 스마트LED조명시스템	15. 문자간판용LED모듈 - DC 50 V 이하 20. 등기구 - AC 220 V, 60 Hz 21. LED 램프 - 직관형 LED 램프 22 W 이하 - 형광램프 대체형 LED 램프 55 W 이하 22. 스마트 LED조명시스템 - LED 램프/등기구를 스마트센서와 스마트제어장치로 구성된 시스템	소재지-1	N

끝.