



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

This is to certify that

Compliance Certification Services Inc.

Wugu Laboratory

No. 11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan. (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025: 2005

Accreditation Number : 1309

Originally Accredited : October 18, 2004

Effective Period : October 18, 2016 to October 17, 2019

Accredited Scope : Testing Field, see described in the Appendix

Specific Accreditation Program : Accreditation Program for Designated Testing Laboratory for Commodities Inspection
Accreditation Program for Telecommunication Equipment Testing Laboratory
Accreditation Program for BSMI Mutual Recognition Arrangement with Foreign Authorities
Accreditation Program for Energy Efficiency testing Laboratory
Accreditation Program for Laboratory of U.S. EPA ENERGY STAR

Chung-Lin Wang

Chung-Lin Wang
President, Taiwan Accreditation Foundation
Date: January 24, 2017



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Accreditation Number : 1309

Laboratory Head : WANG, David

15. 03 Medical Devices

Electrical Medical equipment

E001 Safety

IEC 60601-1

IEC 60601-2-49

EN 60601-1

EN 60601-2-49

AS/NZS 3200.1.0

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Exclude: CF, AP, APG

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

E002 EMC

IEC 60601-1-2

EN 60601-1-2

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.;

2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

17. 04 Metrical Instrument

Electrical measurement control equipment

E001 Safety

IEC 61010-1

IEC 61010-2-101

EN 61010-1

EN 61010-2-101

AS/NZS 61010.1

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

17. 04 Metrical Instrument

Electrical equipment for measurement, control and laboratory use — EMC requirements

E002 EMC

EN 61326-1

EN 61326-2-1

EN 61326-2-2

EN 61326-2-3

P2, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

EN 61326-2-4
EN 61326-2-5
EN 61326-2-6

Approval Signatory: HSU, Tony

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.; 3.
No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

18. 01 Commodity
general purpose luminaires

E001 Safety

CNS 14335

IEC 60598-1

IEC 60598-2-4

IEC 60598-2-6

IEC 60598-2-23

EN 60598-1

EN 60598-2-4

EN 60598-2-6

EN 60598-2-23

AS/NZS 60598.1

AS/NZS 60598.2.4

AS/NZS 60598.2.6

AS/NZS 60598.2.17

AS/NZS 60598.2.23

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

18. 01 Commodity
Aquarium luminaires

E001 Safety

CNS 14335

IEC 60598-1

IEC 60598-2-11

IEC 60598-2-6

EN 60598-1

EN 60598-2-11

EN 60598-2-6

AS/NZS 60598.1

AS/NZS 60598.2.11

AS/NZS 60598.2.6

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

18. 01 Commodity

Lamp controlgear

E001 Safety

IEC 61347-1

IEC 61347-2-2

IEC 61347-2-3

IEC 61347-2-8

IEC61347-2-12

IEC61347-2-13

EN 61347-1

EN 61347-2-2

EN 61347-2-3

EN 61347-2-8

EN 61347-2-12

EN 61347-2-13

AS/NZS 61347.1

AS/NZS 61347.2.2

AS/NZS 61347.2.3

AS/NZS 61347.2.8

AS/NZS 61347.2.12

AS/NZS 61347.2.13

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

18. 01 Commodity

Fixed luminaires

E001 Safety

CNS 14335

IEC 60598-1

IEC 60598-2-1

EN 60598-1

EN 60598-2-1

AS/NZS 60598.1

AS/NZS 60598.2.1

GB 7000.10

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

18. 01 Commodity

Recessed Luminaires

E001 Safety

CNS 14335

IEC 60598-1

IEC 60598-2-2

EN 60598-1

EN 60598-2-2

AS/NZS 60598.1

P4, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

AS/NZS 60598.2.2
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

18. 01 Commodity
Self-ballasted lamps & LED modules
E001 Safety
IEC 60968
IEC 62031
EN 60968
EN 62031
AS/NZS 60968
AS/NZS 62031
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

18. 01 Commodity
stage luminaires
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-17
EN 60598-1
EN 60598-2-17
AS/NZS60598.1
AS/NZS 60598.2.17
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

18. 01 Commodity
chain luminier
E001 Safety
CNS 14335
IEC 60598-1
IEC 60598-2-20
EN 60598-1
EN 60598-2-20
AS/NZS 60598.1
AS/NZS 60598.2.20
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 18.02 Commodity

Battery chargers

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-29

IEC 60335-1

IEC 60335-2-29

EN 60335-1

EN 60335-2-29

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.02 Commodity

appliances for heating liquids

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-15

IEC 60335-1

IEC 60335-2-15

EN 60335-1

EN 60335-2-15

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.02 Commodity

appliances for heating liquids-Electric cookers, coffee machine, Warming cookers, Warming kettle, Feeding bottle heaters, Egg-boilers

E001 Safety

CNS 60335-1

CNS 3765

CNS 3910 1.3

IEC 60335-2-15

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.02 Commodity

Vacuum cleaners and water suction cleaning appliance

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-2

IEC 60335-1

IEC 60335-2-2

P6, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

EN 60335-1
EN 60335-2-2
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity
hair clippers and similar appliances
E001 Safety
CNS 60335-1
CNS 3765
CNS 3765-8
IEC 60335-1
IEC 60335-2-8
EN 60335-1
EN 60335-2-8
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity
thermal-storage room heaters
E001 Safety
CNS 60335-1
CNS 3765
CNS 3765-61
IEC 60335-1
IEC 60335-2-61
EN 60335-1
EN 60335-2-61
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity
warming plates and similar appliances
E001 Safety
CNS 60335-1
CNS 3765
CNS 3765-12
IEC 60335-1
IEC 60335-2-12
EN 60335-1
EN 60335-2-12
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

P7, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 18. 02 Commodity

Room heater

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-30

IEC 60335-1

IEC 60335-2-30

EN 60335-1

EN 60335-2-30

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

massage appliances

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-32

IEC 60335-1

IEC 60335-2-32

EN 60335-1

EN 60335-2-32

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

Appliances for skin and hair care

E001 Safety

CNS 60335-1

CNS 3765

IEC 60335-1

IEC 60335-2-23

EN 60335-1

EN 60335-2-23

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

fans

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-80

IEC 60335-1

P8, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

IEC 60335-2-80
EN 60335-1
EN 60335-2-80
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and similar electrical appliances
hair clippers and similar appliances, massage, appliances, Particular requirements for insect
killers, Fan, Vacuum cleaners, kitchen machine

E001 Safety

CNS 60335-1

CNS 3765

IEC 60335-2-2

IEC 60335-2-8

IEC 60335-2-14

IEC 60335-2-32

IEC 60335-2-59

IEC 60335-2-80

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and similar electrical appliances
thermal-storage room heaters, heating appliances, room heater, Appliances for skin and hair
care.

E001 Safety

CNS 60335-1

CNS 3765

IEC 60335-2-23

IEC 60335-2-30

IEC 60335-2-61

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and similar electrical appliances
dishwashers, warming plates and similar appliances, deep fat fryers,
frying pans, use with aquariums and garden ponds, portable immersion heaters, coffee maker,
steam cooker, cooking pans, hair dryer, hair care appliance, electric iron, stationary cooking
appliance, portable cooking appliance.

E001 Safety

CNS 60335-1(2014)

CNS 3765(2005)



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

IEC 60335-2-15(2005-08) 、 Rated at 1.5kW electric power consumption of electric pots following products must be consistent with CNS 12625 (2012) for Clause 5.4 『water temperature』 、 Clause 5.7 『every 24 hours standby losses standardization appliances』 and Clause 11 『labeling』

CNS 13516(1999), 4.10;4.14;5.1.9

IEC 60335-2-3(2005-01)

IEC 60335-2-5(2005-03)

IEC 60335-2-6(2005-04)

IEC 60335-2-9(2004-03)

IEC 60335-2-12(2002-10)

IEC 60335-2-13(2004-07)

IEC 60335-2-15(2005-08)

IEC 60335-2-23(2003-10)

IEC 60335-2-55(2002-11) (IP 20 - IP 48)

IEC 60335-2-74(2003-03) +am1(2006-04)

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity
Household and Similar electrical appliances
Oven, boiler, dish washer
E001 Safety
CNS 60335-1
CNS 3765
CNS 3910 1.3
IEC 60335-2-5
IEC 60335-2-6
IEC 60335-2-15
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity
Particular requirements for insect killers
E001 Safety
CNS 60335-1
CNS 3765
CNS 3765-59
IEC 60335-1
IEC 60335-2-59
EN 60335-1
EN 60335-2-59
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 18. 02 Commodity
portable immersion heaters

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-74

IEC 60335-1

IEC 60335-2-74

EN 60335-1

EN 60335-2-74

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

Cooking ranges, cooking table, oven and similar appliances for household use

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-6

CNS 3765-9

IEC 60335-1

IEC 60335-2-6

IEC 60335-2-9

EN 60335-1

EN 60335-2-6

EN 60335-2-9

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

use with aquariums and garden ponds

E001 Safety

CNS 60335-1

CNS 3765

IEC 60335-1

IEC 60335-2-55

EN 60335-1

EN 60335-2-55

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 18. 02 Commodity

dishwashers

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-5

IEC 60335-1

IEC 60335-2-5

EN 60335-1

EN 60335-2-5

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

Cooking ranges, cooking table, oven and similar appliances for household use

E001 Safety

CNS 60335-1

CNS 3765

IEC 60335-2-6

IEC 60335-2-9

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

Electric iron

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-3

IEC 60335-1

IEC 60335-2-3

EN 60335-1

EN 60335-2-3

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18. 02 Commodity

Kitchen machine

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-14

IEC 60335-1

IEC 60335-2-14

EN 60335-1

P12, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

EN 60335-2-14
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

deep fat fryers, frying pans and similar appliances, appliances for heating liquids

E001 Safety

CNS 60335-1

CNS 3765

CNS 3765-13

CNS 3765-15

CNS 13516 4.10, 4.14, 5.1.9

CNS 3910 1.3

CNS 12625 4.4.2, 4.10

IEC 60335-1

IEC 60335-2-13

IEC 60335-2-15

EN 60335-1

EN 60335-2-13

EN 60335-2-15

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.03 Commodity

Home and Building Electronic Systems(HBES) and Building Automation and Control Systems (BACS)

E002 EMC

EN 50491-5-1

EN 50491-5-2

EN 50491-5-3

250 Vac max., 16A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

18.04 Commodity

Audio Products

E001 Safety

CNS 14408

IEC 60065

EN 60065

AS/NZS 60065

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

19.02 Electronic and Electric
Electrical appliance - Measurement of standby power
E001 Safety
IEC 62301
EN 62301
AS/NZS 62301
IEC 62018
EN 62018
IEC 62087
EN 62087
AS/NZS 4665.1
AS/NZS 4665.2
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: CHEN, Ray; LAI, Leslie

19.05 Electronic and Electric
3C secondary lithium-ion battery / group (except coin-type)
3C lithium-ion power bank
E001 Safety
IEC 62133
EN 62133
IEC 62281
UN 38.3
IEC 61960
CNS 14857-2
CNS 15364(2010)
CNS 15364(2013) excluding Forced internal short circuit(Cell) test
20 Vdc(max), 10 A(max)

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

19.06 Electronic and Electric
Electronic and Electric low voltage power supplies DC output
E002 EMI
EN 61204-3
AC 16 A max., DC 8 A max.

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

19.07 Electronic and Electric
Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems.
E002 EMC
EN 50130-4



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

19. 99 Electronic and Electric
INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT

E002 EMI

47 CFR FCC Part 18

FCC MP-5

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

conducted Disturbance: 9 KHz to 30 MHz

Radiated Disturbance: 9 kHz to 40 GHz

NSA: 30 MHz to 1 GHz (10 m distance)

SVSWR: 1 GHz to 18 GHz (10 m Chamber)

1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.(3 m Chamber)

2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.(10 m Chamber)

Approval Signatory: HSU, Tony

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.;

2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

19. 99 Electronic and Electric
Industry · Science and Medical equipments

E002 EMC

AS/ZNZS CISPR 11

CISPR 11

EN 55011

CNS 13803

GB 4824

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.(3 m Chamber)

2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.(10 m Chamber)

Approval Signatory: HSU, Tony

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.;

2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

19. 99 Electronic and Electric
Electrical and electronic equipment for use in residential, commercial and light-industrial environments

E002 EMC

EN 61000-6-1

IEC 61000-6-1

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

E002 EMC
EN 61000-6-3
IEC 61000-6-3
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ
Conduction Emission: 9 kHz to 30 MHz
Radiation Emission: 30 MHz to 40 GHz

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

19.99 Electronic and Electric
Military electrical/electronic subassembly
E002 EMC
MIL-STD-461F
CE 101&102 conducted emissions, power leads
CS 101 conducted susceptibility, power leads
CS 115 conducted susceptibility, bulk cable injection, impulse excitation
RE 102 radiated emissions, electric field
RS 101 radiated susceptibility, magnetic field
RS 103 radiated susceptibility, electric field .
CE Frequency range: 30 Hz to 10 MHz
CS101 Frequency range: 30 Hz to 150 kHz ;
CS 115 Test Level 5A
RE Frequency range: 10 kHz to 18 GHz
RS Frequency range: 30 Hz to 100 kHz, 80 MHz to 18 GHz .
Highest filed strengths: 100 V/m (80 MHz to 200 MHz), 200 V/m (200 MHz to 1 GHz), 150 V/m (1 GHz to 18 GHz)

Approval Signatory: CHEN, Dean; YU, James; TSAI, Skyman

19.99 Electric
Electrical and electronic equipment for use in heavy-industrial environments
E002 EMC
EN 61000-6-2
IEC 61000-6-2
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

E002 EMC
EN 61000-6-4
IEC 61000-6-4
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ
Conduction Emission: 9 kHz to 30 MHz
Radiation Emission: 30 MHz to 40 GHz

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

P16, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

19. 99 Electronic and Electric
Electrical and pelectronic products
E002 Harmonic current emissions
IEC 61000-3-2
EN 61000-3-2
CNS 14934-2
GB 17625.1
AS/NZS 61000.3.2
JIS C 61000-3-2
Harmonic number: 1 order to 40 order

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

19. 99 Electronic and Electric
Electrical and electronic products
E002 Voltage fluctuation and flicker
IEC 61000-3-3
EN 61000-3-3
CNS 14934-3
AS/NZS 61000.3.3
GB 17625.2

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

E002 Voltage dips, short interruptions and voltage variations immunity tests
IEC 61000-4-11
EN 61000-4-11
GB/T 17626.11
Voltage interruption: 100 %
Voltage Dips: (0 to 100) %

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

E002 Electrostatic discharge tests
IEC 61000-4-2
EN 61000-4-2
CNS 14676-2
GB/T 17626.2
AS/NZS 61000.4.2
Air discharge: (0.2 to 30) kV(+/-)
Contact discharge: (0.2 to 15) kV(+/-)

Approval Signatory: HSU, Tony
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

P17, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

E002 Electrical fast transient/burst tests
IEC 61000-4-4
EN 61000-4-4
CNS 14676-4
GB/T 17626.4
AS/NZS 61000.4.4
Equipment range: 0.2 kV to 4.5 kV

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

E002 Surge/lightening tests
IEC 61000-4-5
CNS 14676-5
EN 61000-4-5
GB/T 17626.5
AS/NZS 61000.4.5
Equipment: 0.2 kV to 6 kV
Test Ports: Power line, Signal line

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

E002 Conducted susceptibility tests
IEC 61000-4-6
EN 61000-4-6
ENV 50141
CNS 14676-6
GB/T 17626.6
AS/NZS 61000.4.6
Frequency range: 150 kHz to 100 MHz (Amplitude : 10 V, AM Modulation, pulse Modulation)

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

E002 Power frequency magnetic field immunity test
IEC 61000-4-8
EN 61000-4-8
CNS 14676-8
GB/T 17626.8
AS/NZS 61000.4.8
Continuous magnetic field: 1 A/m to 100 A/m

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

19. 99 Electronic and Electric
Electrical and Electronic products

E002 EMC

IEC 61000-4-3

EN 61000-4-3

ENV 50204

CNS 14676-3

GB/T 17626.3

AS/NZS 61000.4.3

Frequency range: 80 MHz to 6 GHz(Field intensity: 10 V/m, AM Modulation, pulse Modulation)

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

20. 01 Information Technology and Communication
Telecommunication device

E001 Safety

CNS 14336-1

IEC 60950-1

EN 60950-1

AS/NZS 60950.1

CNS15285 (except 4.14.3;4.18;4.19;4.20;4.21;5.13.3;5.17)

250 Vac max, 50 Hz / 60 Hz, 20 A max.

60 Vdc max, 40 A max

Approval Signatory: WU, Johnny; LIN, Sean; LAI, Leslie

20. 01 Information Technology and Communication
Mobile/base station

E002 EMC(Exclude EN 61000-3-11 , EN 61000-3-12)

ETSI EN 301 489-1

ETSI EN 301 489-8

ETSI EN 301 489-23

exclude: Audio

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

20. 01 Information Technology and Communication
Wireless/Radio device

E009 SAR

47 CFR FCC Part 2.1091

47 CFR FCC Part 2.1093

IEEE Std 1528

KDB 865664

KDB 447498

Frequency Range: 650 MHz to 6 GHz

P19, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

5 mW/g to 10 W/g

Approval Signatory: WU, Alex; CHUANG, Sam; HSU, Scott

20. 01 Information Technology and Communication
Mobile Station(include mobile phone, PDA, Notebook...etc.)
E010 CTIA Device Characteristic Test
GCF-CC
3GPP TS 34.114
3GPP TS 25.144
CTIA Test Plan for Mobile station Over the Air Performance, Revision3.5.2(Exclude: A-Gps for LTE/LTECE/GLONASS)
Test range: 700 MHz to 6 GHz
Account: Mobile Station wireless 2.4 GHz to 6 GHz equipment
Frequency range:
GSM 850/GSM 900/DCS 1800/PCS 1900
GPRS 850/900/1800/1900
EGPRS 850/900/1800/1900
CDMA 2000
W-CDMA
LTE

Approval Signatory: WU, Alex; CHUANG, Sam

20. 01 Information Technology and Communication
RF Performance Evaluation of Wi-Fi Mobile Converged Devices test (TIS/TRP)
E015 CTIA
Test Plan for RF Performance Evaluation of Wi-Fi Mobile Converged Devices
700 MHz to 6 GHz

Approval Signatory: WU, Alex; CHUANG, Sam

20. 01 Information Technology and Communication
GSM Mobile Station
E020 Wireless and Radio Test
3GPP TS 51.010-1 12.1&12.2
ETSI EN 301511 4.2.12&4.2.13&4.2.16&4.2.17
NCC PLMN01
Tx:
824 MHz to 849 MHz
880 MHz to 915 MHz
1710 MHz to 1785 MHz
1850 MHz to 1910 MHz
Rx:
869 MHz to 894 MHz
925 MHz to 960 MHz
1805 MHz to 1880 MHz

P20, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

1930 MHz to 1990 MHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Hand-hold wireless RF apparatus

E020 Telecommunication

IC RSS-132

IC RSS-133

IC RSS-139

IC RSS-192

IC RSS-195

9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Subscriber Station for Mobile Broadband Type

E020 Wireless and Radio test

PLMN10

MIC Article 2 paragraph 1 item 11-19

MIC Article 2 paragraph 1 item 11-21

TX: 703MHz to 748MHz

RX: 758MHz to 803MHz

TX: 885MHz to 915MHz

RX: 930MHz to 960MHz

TX: 1710MHz to 1770MHz

RX: 1805MHz to 1865MHz

Approval Signatory: WU, Alex; WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Commercial Mobile Service Equipment

E020 Wireless and Radio test

47 CFR FCC Part 22 Subpart H

47 CFR FCC Part 24 Subpart E

47 CFR FCC Part 27 Subpart C, M

ANSI/TIA-603-D

KDB 971168

9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 20. 01 Information Technology and Communication

User Equipment for 3G

E020 Wireless and Radio Test

EN 301 908-1

Tx:

824 MHz to 849 MHz

880 MHz to 915 MHz

1850 MHz to 1910 MHz

1920 MHz to 1980 MHz

Rx:

869 MHz to 894 MHz

925 MHz to 960 MHz

1930 MHz to 1990 MHz

2110 MHz to 2170 MHz

Approval Signatory: WU, Shawn; CHUANG, Sam

E020 Wireless and Radio Test

NCC PLMN08(Exclude: PWS)

MIC Article 2 paragraph 1 item 11-4

MIC Article 2 paragraph 1 item 11-8

MIC Article 2 paragraph 1 item 11-8-2

MIC Article 2 paragraph 1 item 11-3

MIC Article 2 paragraph 1 item 11-7

Tx: 824 MHz to 849 MHz

Rx: 869 MHz to 894 MHz

Tx: 1920 MHz to 1980 MHz

Rx: 2110 MHz to 2170 MHz

(FDD)

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

General Mobile Service Equipment

E020 Wireless and Radio test

47 CFR FCC Part 22 Subpart H

47 CFR FCC Part 90 Subpart Z

ANSI/TIA-603-D

9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Mobile Station

(Hearing Aid)

E024 Hearing Aid Compatibility(Exclude HAC immunity)

CTIA Test Plan for Hearing Aid Compatibility

Test range: 800 MHz to 2.4 GHz

Approval Signatory: WU, Alex; CHUANG, Sam; HSU, Scott

P22, total 42 pages



Certificate No. : L1309-170124

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Taiwan Accreditation Foundation

20. 01 Information Technology and Communication

Hearing Aid Compatibility

E024 HAC (except HAC immunity)

47 CFR FCC Part 20.19

ANSI C63.19

KDB 285076

Frequency range: 10 MHz to 3 GHz

Approval Signatory: WU, Alex; CHUANG, Sam; HSU, Scott

20. 13 Information Technology and Communication

Low power radiator/ receivers

E020 Wireless and Radio Test

ETSI EN 301 091-1

ETSI EN 301 091-2

ETSI EN 301 091-3

ETSI EN 302 288-1

ETSI EN 302 288-2

ETSI EN 302 567

ETSI EN 305 550-1

ETSI EN 305 550-2

9 kHz to 325 GHz

Approval Signatory: WU, Alex; WU, Shawn

E020 Wireless and Radio Test

NCC Low Power RF devices Technical Specification LP0002 , RTTE01

RSS-210

RSS-247

RSS-310

IDA TS SRD

AS/NZS 4268

AS/NZS 4771

ETSI EN 300 440-1

ETSI EN 300 440-2

ETSI EN 300 328

ETSI EN 300 220-1

ETSI EN 300 220-2

ETSI EN 301 893

ETSI EN 302 208-1

ETSI EN 302 208-2

ETSI EN 300 330

ETSI EN 300 330-1

ETSI EN 300 330-2

ETSI EN 301 357

ETSI EN 301 357-1

ETSI EN 301 357-2

ETSI EN 302 291-1

ETSI EN 302 291-2

P23, total 42 pages



Certificate No. : L1309-170124

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MIC Article 2 Clause 1 Item 19, (ARIB STD-T66),
MIC Article 2 Clause 1 Item 19-2, (RCR STD-33),
MIC Article 2 Clause 1 Item 19-3, Article 2 Clause 1 Item 19-3-2, (ARIB STD-T71), ARIB
STD-T93
9 kHz to 231 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

20.13 Information Technology and Communication
UPCS
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart D
ANSI C63.17
9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

20.13 Information Technology and Communication
UNII
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart E
KDB 905462
KDB 789033
9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

20.13 Information Technology and Communication
Intentional Radiators above 26.5 GHz
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart C
ANSI C63.10
9 KHz to 325 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

20.13 Information Technology and Communication
Intentional Radiators below 26.5 GHz
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart C
ANSI C63.10
9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 20. 21 Information Technology and Communication

Information products

E001 Safety

CNS 14336-1

IEC 60950-1

EN 60950-1

CAN /CSA-C22.2 No.60950-1

AS/NZS 60950.1

250 Vac max, 50Hz / 60 Hz, 20 A max IP 20 to IP 48

60 Vdc max , 40 A max

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

■ 20. 21 Information Technology and Communication

Multimedia equipment

E002 EMC

EN 55032

CISPR 32

AS/NZS CISPR 32

(TV, FM, AM excluded)

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

■ 20. 21 Information Technology and Communication

Multimedia Equipment(ITE only)

E002 EMC

FDIS CISPR 35(Edition 1.0 2016-05)

Exclude Audio function RS/CS immunity test)

250 Vac max., 16 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

■ 20. 21 Information Technology and Communication

ITE and peripherals

E002 EMI

47 CFR FCC Part 15 Subpart B

ANSI C63.4

NSA: 30 MHz to 1 GHz

SVSWR: 1 GHz to 18 GHz

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.



Certificate No. : L1309-170124

財團法人全國認證基金會
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20. 21 Information Technology and Communication
ITE and peripheral products
E002 EMC
CISPR 22
EN 55022
CNS 13438
GB 9254
AS/NZS CISPR 22
VCCI V-3
ICES-003
NSA: 30 MHz to 1 GHz
SVSWR: 1 GHz to 18 GHz

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

20. 21 Information Technology and Communication
ITE and peripheral products(: Telephony terminal equipment)
E002 EMC
AS/NZS CISPR 24
EN 55024
GB/T 17618
CISPR 24
250 Vac max., 16 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

20. 21 Information Technology and Communication
Hand-hold wireless RF apparatus
E009 SAR
FCC OET Bulletin 65 + Supplement C
EN 50360
EN 50361
EN 62479
RSS 102
EN 50383
EN 50385
EN 50392
EN62311
IEC/EN 62209-1
IEC/EN 62209-2
CNS 14958-1
CNS 14959
ACMA Radiocommunications (Electromagnetic Radiation-Human Exposure)Standards
EN 50566
ARIB STD-T56
5 mW/kg to 10 W/kg

P26, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Frequency 650 MHz $\leq$ 6 GHz

Approval Signatory: WU, Alex; CHUANG, Sam; HSU, Scott

20. 99 Information Technology and Communication

Electromagnetic compatibility
and Radio spectrum Matters (ERM);
ElectroMagnetic Compatibility (EMC)
standard for radio equipment and services

E002 EMC

ETSI EN 301 489-1

ETSI EN 301 489-3

ETSI EN 301 489-7

ETSI EN 301 489-17

ETSI EN 301 489-24

Exclude Audio

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

22. 01 Transportation Equipment

Electrical/electronic subassembly

E002 Radio disturbance characteristics for the protection of receivers used on board
vehicles, boats, and on devices-

Limits and methods of measurement

CISPR 25

ECE R10

2004/104/EC

CNS 14500

EN 50498

EN 55025

VSCC 56-0

VSCC 56-1

Radiated disturbance: 150 kHz to 2.5 GHz

Conducted disturbance : 150 kHz to 108 MHz

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Test methods for electrical disturbances from electrostatic discharge

ISO 10605

SAE J1113-13

CNS 14499

Discharge voltage range: ± 2 kV to ± 30 kV

Discharge resistance: 330 Ω , 500 Ω , 1 k Ω , 2 k Ω

Discharge capacitance: 150 pF, 200 pF, 330 pF

Discharge mode: Air discharge, Contact discharge

P27, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
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Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-
Part 2: Absorber-lined shielded enclosure
ISO 11452-2
ECE R10
2004/104/EC
97/24/EC
VSCC 56-1
Frequency range: 80 MHz to 18 GHz
Highest filed strengths: 100 V/m (80 MHz to 200 MHz), 200 V/m (200 MHz to 1 GHz), 150 V/m (1 GHz to 18 GHz)

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-
Part 3: Transverse electromagnetic (TEM) cell
ISO 11452-3
97/24/EC
ECE R10
VSCC 56-1
Frequency range: 10 kHz to 200 MHz
Highest filed strengths: 100 V/m

Approval Signatory: YU, James; TSAI, Skyman

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-
Part 4: Bulk current injection (BCI)
ISO 11452-4
ECE R10
97/24/EC
VSCC 56-1
Frequency range: 1 MHz to 1GHz
Highest injection current: 180 mA

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan



Certificate No. : L1309-170124

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E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-

Part 5: Stripline

ISO 11452-5

ECE R10 (150 mm stripline)

2004/104/EC (150 mm stripline)

97/24/EC

VSCC 56-1

Frequency range: 10 kHz to 1GHz

Highest filed strengths: 200 V/m

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-

Part 7: Direct radio frequency (RF) power injection

ISO 11452-7

Frequency range: 250 kHz to 500 MHz

Highest power : 0.5 W

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

E002 EMC

ISO 11452-8

Radiated disturbance: 15 Hz to 150 kHz

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 EMC

ISO 16750-2(excluding clause 4.10.3, 4.11, 4.12)

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Electrical disturbances from conduction and coupling-

Part 2: Electrical transient conduction along

Supply lines only

ISO 7637-1

ISO 7637-2

SAE J1113-11

EN 50498

VSCC 56-1

ECE R10

P29, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
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ESA voltage: 12 Vdc/24 Vdc (100 A)
Interference voltage: -1000 V to 1000 V

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

E002 Road vehicles—Electrical disturbances from conduction and coupling-
Vehicles with nominal 12 V or 24 V supply voltage- Electrical transient transmission by
capacitive and inductive coupling via lines other than supply lines

ISO 7637-3

SAE J1113-12

Pulse 3a:

ESA voltage: 12 Vdc/24 Vdc

Interference voltage: -25 V to -500 V

Pulse 3b:

ESA voltage: 12 Vdc/24 Vdc

Interference voltage: 25 V to 500 V

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

22. 02 Transportation Equipment

Airborne Equipment

E002 EMC

RTCA DO-160G: December 8, 2010 ,

Section 16: 16.6.1.1, 16.6.1.2, 16.6.1.3, 16.6.1.4, 16.6.1.5, 16.6.2.1, 16.6.2.2, 16.6.2.3

Section 21: 21.4, 21.5

Section 16. DC 14&28V

Section 21. CE: 150kHz to 152 MHz / RE: 100 MHz to 6GHz

Approval Signatory: CHEN, Dean; YU, James; TSAI, Skyman

**Accreditation Program for Designated Testing Laboratory for
Commodities Inspection**

18. 01 Commodity

general purpose luminaires

E001 Safety

CNS14335(1999)

IEC 60598-2-1(1979-01)+aml(1987-01)

IEC 60598-2-4(1994) (1997-04)

IEC 60598-2-6 (1994-06)+aml(1996-11)

IEC 60598-2-23(1996-04)+aml(2000-05)

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 18.01 Commodity

Aquarium luminaires

E001 Safety

CNS 14335(1999)

IEC 60598-2-11(2005-05)

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

■ 18.01 Commodity

Recessed Luminaires

E001 Safety

CNS 14335(1999)

IEC 60598-2-2(1979)(1996-05)+am1(1997-01)

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

■ 18.01 Commodity

chain luminar

E001 Safety

CNS 14335(1999)

IEC 60598-2-20(1996)+A1

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

■ 18.02 Commodity

appliances for heating liquids-Electric cookers, coffee machine, Warming cookers, Warming kettle, Feeding bottle heaters, Egg-boilers

E001 Safety

CNS 3765(2005)

CNS 3910 1.3(2000)

IEC 60335-2-15(2005-08)

250 Vac max., 20 A max., /60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.02 Commodity

Vacuum cleaners and water suction cleaning appliance

E001 Safety

CNS 3765(2005)

IEC 60335-2-2(2004-11)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

18.02 Commodity

Room heater

E001 Safety

CNS 3765(2005)

IEC 60335-2-30(2004-09)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Appliances for skin and hair care

E001 Safety

CNS 3765(2005)

IEC 60335-2-23(2003-10)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

fans

E001 Safety

CNS 3765(2005)

IEC 60335-2-80(2004-03)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and similar electrical appliances

hair clippers and similar appliances, massage, appliances, Particular requirements for insect killers, Fan, Vacuum cleaners, kitchen machine

E001 Safety

CNS 3765(2005)

IEC 60335-2-2(2004-11)

IEC 60335-2-8(2005-10)

IEC 60335-2-14(2002-10)

IEC 60335-2-32(2002-10)

IEC 60335-2-59(2002-10)

IEC 60335-2-80(2004-03)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and similar electrical appliances thermal-storage room heaters, Appliances for skin and hair care, heating appliances, room heater,

E001 Safety

P32, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
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CNS 3765(2005)
IEC 60335-2-30(2004-09)
IEC 60335-2-23(2003-10)
IEC 60335-2-61(2005-06)
250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and similar electrical appliances dishwashers, warming plates and similar appliances, deep fat fryers, frying pans, use with aquariums and garden ponds, portable immersion heaters, coffee maker, steam cooker, cooking pans, hair dryer, hair care appliance, electric iron, stationary cooking appliance, portable cooking appliance.

E001 Safety

CNS 3765(2005) 、 IEC 60335-2-15(2005-08) 、 Rated at 1.5kW electric power consumption of electric pots following products must be consistent with CNS 12625 (2012) for Clause 5.4 『water temperature』 、 Clause 5.7 『every 24 hours standby losses standardization appliances』 and Clause 11 『labeling』

CNS 13516(1999), 4.10;4.14;5.1.9

IEC 60335-2-3(2005-01)
IEC 60335-2-5(2005-03)
IEC 60335-2-6(2005-04)
IEC 60335-2-9(2004-03)
IEC 60335-2-12(2002-10)
IEC 60335-2-13(2004-07)
IEC 60335-2-15(2005-08)
IEC 60335-2-23(2003-10)
IEC 60335-2-55(2002-11) (IP 20 - IP 48)
IEC 60335-2-74(2003-03) +am1(2006-04)10)
IEC 60335-2-55(2002-11) (IP 20 - IP 48)
IEC 60335-2-74(2003-03) +am1(2006-04)
250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

18.02 Commodity

Household and Similar electrical appliances

Oven, boiler, dish washer

E001 Safety

CNS 3765(2005)

IEC 60335-2-2(2004-11)
IEC 60335-2-8(2005-10)
IEC 60335-2-14(2002-10)
IEC 60335-2-32(2002-10)
IEC 60335-2-59(2002-10)
IEC 60335-2-80(2004-03)
250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

P33, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 18.02 Commodity

Cooking ranges, cooking table, oven and similar appliances for household use

E001 Safety

CNS 3765(2005)

IEC 60335-2-6(2005-04)

IEC 60335-2-9(2004-03)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.02 Commodity

Electric iron

E001 Safety

CNS 3765(2005)

IEC 60335-2-3(2005-01)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.02 Commodity

Kitchen machine

E001 Safety

CNS 3765(2005)

IEC 60335-2-14(2002-10)

250 Vac max., 20 A max., 60 Hz, 1 ϕ

Approval Signatory: LIN, Sean

■ 18.04 Commodity

Audio Products

E001 Safety

CNS 14408(2004)

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

■ 19.05 Electronic and Electric

3C secondary lithium-ion battery / group (except coin-type)

3C lithium-ion power bank

E001 Safety

CNS 15364(2010)

CNS 15364(2013) excluding Forced internal short circuit(Cell) test

20 Vdc(max), 10 A(max)

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

19.99 Electronic and Electric
Industry、Science and Medical equipments
E002 EMC
CNS 13803(2003)
250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

20.21 Information Technology and Communication
Information products
E001 Safety
CNS 14336-1(2010)
250 Vac max, 50 Hz / 60 Hz, 20 A max., IP 20 to IP 48
60 Vdc max, 40 A max

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

20.21 Information Technology and Communication
ITE and peripheral products
E002 EMC
CNS 13438(2006)
NSA: 30 MHz to 1 GHz
Site VSWR: 1 GHz to 18 GHz

Approval Signatory: HSU, Tony
Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

22.01 Transportation Equipment
Electrical/electronic subassembly
E002 Radio disturbance characteristics for the protection of receivers used on board
vehicles, boats, and on devices-Limits and methods of measurement
CISPR 25 (2002-08)
Radiated disturbance: 150 kHz to 2.5 GHz
Conducted disturbance : 150 kHz to 108 MHz

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Test methods for electrical disturbances from electrostatic discharge
ISO 10605 (2001-12)
Discharge voltage range: ± 2 kV to ± 30 kV
Discharge resistance: 330 Ω , 500 Ω , 1 k Ω , 2 k Ω
Discharge capacitive: 150 pF, 200 pF, 330 pF
Discharge mode: Air discharge, Contact discharge

P35, total 42 pages



Certificate No. : L1309-170124

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Taiwan Accreditation Foundation

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-Part 2: Absorber-lined shielded enclosure
ISO 11452-2 (2004-11)
Frequency range: 80 MHz to 18 GHz
Highest filed strengths: 100 V/m (80 MHz to 200 MHz), 200 V/m (200 MHz to 1 GHz), 150 V/m (1 GHz to 18 GHz)

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-
Part 3: Transverse electromagnetic (TEM) cell
ISO 11452-3 (2001-03)
Frequency range: 10 kHz to 200 MHz
Highest filed strengths: 100 V/m

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-Part 4: Bulk current injection (BCI)
ISO 11452-4 (2005-04)
Frequency range: 1 MHz to 1GHz
Highest injection current: 180 mA
No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan(Frequency range: 1 MHz to 400MHz, injection current: 100mA)

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-Part 5: Stripline
ISO 11452-5 (2002-04)
Frequency range: 10 kHz to 1GHz
Highest filed strengths: 200 V/m

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

E002 Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy-Part 7: Direct radio frequency (RF) power injection

ISO 11452-7 (2003-11)

Frequency range: 250 kHz to 500 MHz

Highest power : 0.5 W

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles – Electrical disturbances from conduction and coupling-

Part 2: Electrical transient conduction along

Supply lines only

ISO 7637-2(2004-06)

ISO 7637-1(2002-03)

ESA voltage: 12 Vdc/24 Vdc (100 A)

Interference voltage: -1000 V to 1000 V

1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan(Interference voltage: -600 V to 600 V)

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

E002 Road vehicles–Electrical disturbances from conduction and coupling-

Vehicles with nominal 12 V or 24 V supply voltage- Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines

ISO 7637-3 (1995-07)

Pulse 3a:

ESA voltage: 12 Vdc/24 Vdc

Interference voltage: -25 V to -500 V

Pulse 3b:

ESA voltage: 12 Vdc/24 Vdc

Interference voltage: 25 V to 500 V

Approval Signatory: CHEN, Dean; ZENG, Sam; YU, James; TSAI, Skyman

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.81-1, Lane 210, Bade 2nd Rd., Lujhu Dist, Taoyuan City 33841, Taiwan

Accreditation Program for Telecommunication Equipment Testing Laboratory

20. 01 Information Technology and Communication

Wireless/Radio device

E009 SAR

IEEE Std 1528-2013

KDB 865664

KDB 447498

P37, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Frequency Range: 650 MHz to 6 GHz
5 mW/g to 10 W/g

Approval Signatory: WU, Alex; CHUANG, Sam; HSU, Scott

■ 20. 01 Information Technology and Communication

GSM Mobile Station

E020 Wireless and Radio Test

NCC PLMN01

Tx:

824 MHz to 849 MHz

890 MHz to 915 MHz

1710 MHz to 1785 MHz

1850 MHz to 1910 MHz

Rx:

869 MHz to 894 MHz

925 MHz to 960 MHz

1805 MHz to 1880 MHz

1930 MHz to 1990 MHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Subscriber Station for Mobile Broadband Type

E020 Wireless and Radio test

PLMN10

MIC Article 2 paragraph 1 item 11-19

MIC Article 2 paragraph 1 item 11-21

TX: 703MHz to 748MHz

RX: 758MHz to 803MHz

TX: 885MHz to 915MHz

RX: 930MHz to 960MHz

TX: 1710MHz to 1770MHz

RX: 1805MHz to 1865MHz

Approval Signatory: WU, Alex; WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Commercial Mobile Service Equipment

E020 Wireless and Radio test

47 CFR FCC Part 22 Subpart H

47 CFR FCC Part 24 Subpart E

47 CFR FCC Part 27 Subpart C, M

ANSI/TIA-603-D(2010),

KDB 971168

9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

P38, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

■ 20. 01 Information Technology and Communication

User Equipment for 3G

E020 Wireless and Radio Test

NCC PLMN08(exclude: PWS)

MIC Article 2 paragraph 1 item 11-4

MIC Article 2 paragraph 1 item 11-8

MIC Article 2 paragraph 1 item 11-8-2

Tx: 824 MHz to 849 MHz

Rx: 869 MHz to 894 MHz

Tx: 1920 MHz to 1980 MHz

Rx: 2110 MHz to 2170 MHz

(FDD)

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

General Mobile Service Equipment

E020 Wireless and Radio test

47 CFR FCC Part 22 Subpart H

47 CFR FCC Part 90 Subpart Z

ANSI/TIA-603-D(2010)

9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20. 01 Information Technology and Communication

Hearing Aid Compatibility

E024 HAC (except HAC immunity)

47 CFR FCC Part 20.19

ANSI C63.19-2007

ANSI C63.19-2011

KDB 285076

Frequency range: 10 MHz to 3 GHz

Approval Signatory: WU, Alex; CHUANG, Sam; HSU, Scott

■ 20. 13 Information Technology and Communication

Low power radiator/ receivers

E020 Wireless and Radio Test

NCC Low Power RF devices Technical Specification LP0002 , RTTE01

RSS 210

RSS 310

IDA TS SRD

AS/NZS 4268

AS/NZS 4771

MIC Article 2 Clause 1 Item 19, (ARIB STD-T66), MIC Article 2 Clause 1 item 19-2, (RCR STD-33), MIC Article 2 Clause 1 Item 19-3, Article 2 Clause 1 Item 19-3-2,

9kHz to 231GHz

P39, total 42 pages



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Approval Signatory: WU, Shawn; CHUANG, Sam
Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.
(R.O.C.); 2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

■ 20.13 Information Technology and Communication
UPCS
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart D
ANSI C63.17-2013
9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20.13 Information Technology and Communication
UNII
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart E
KDB 905462
KDB 789033
9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20.13 Information Technology and Communication
Intentional Radiators above 26.5 GHz
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart C
ANSI C63.10-2013
ANSI C63.10-2009
9 KHz to 325 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam

■ 20.13 Information Technology and Communication
Intentional Radiators below 26.5 GHz
E020 Wireless and Radio test
47 CFR FCC Part 15 Subpart C
ANSI C63.10-2013
ANSI C63.10-2009
9 kHz to 40 GHz

Approval Signatory: WU, Shawn; CHUANG, Sam



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

Accreditation Program for BSMI Mutual Recognition Arrangement with Foreign Authorities

■ 18. 01 Commodity

general purpose luminaires

E001 Safety

AS/NZS 60598.1

AS/NZS 60598.2.4

AS/NZS 60598.2.6

AS/NZS 60598.2.17

AS/NZS 60598.2.23

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

■ 18. 01 Commodity

Recessed Luminaires

E001 Safety

AS/NZS 60598.1

AS/NZS 60598.2.2

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

■ 18. 01 Commodity

Lamp controlgear

E001 Safety

AS/NZS 61347.1

AS/NZS 61347.2.2

AS/NZS 61347.2.3

AS/NZS 61347.2.8

AS/NZS 61347.2.12

AS/NZS 61347.2.13

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean

■ 18. 04 Commodity

Audio Products

E001 Safety

AS/NZS 60065

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ , IP 20 to IP 48

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie



Certificate No. : L1309-170124

財團法人全國認證基金會
Taiwan Accreditation Foundation

19. 99 Electronic and Electric
INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT (Consumer ISM Equipment
only)

E002 EMI

47 CFR FCC Part 18

FCC MP-5(1986)

250 Vac max., 20 A max., 50 Hz/60 Hz, 1 ϕ

conducted Disturbance: 9 KHz to 30 MHz

Radiated Disturbance: 9 kHz to 40GHz

NSA: 30 MHz to 1 GHz (10 m distance)

SVSWR: 1 GHz to 18 GHz (10 m Chamber)

1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.(3 m Chamber)

2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.(10 m Chamber)

Approval Signatory: HSU, Tony

Testing Site: 1.No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(R.O.C.); 2. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

20. 21 Information Technology and Communication

Information products

E001 Safety

AS/NZS 60950.1

250 Vac max, 50 Hz/60 Hz, 20 A max;

60 Vdc max, 40 A max

Approval Signatory: LIN, Sean; CHEN, Ray; LAI, Leslie

20. 21 Information Technology and Communication

ITE and peripherals

E002 EMI

47 CFR FCC Part 15 Subpart B

ANSI C63.4(2014)

ANSI C63.4(2009)

NSA: 30 MHz to 1 GHz

SVSWR: 1 GHz to 18 GHz

Approval Signatory: HSU, Tony

Testing Site: 1. No.139, Wugong Rd., Wugu Dist., New Taipei City 24891, Taiwan.

(Null below)