



Accreditation No.

RTL03220

Accreditation Certificate
Appendix

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Type of Laboratory	Testing
Name of Laboratory	Labotech International Co., Ltd.
Address	1-16, Fukazu-cho, Nishinomiya-shi, Hyogo, Japan

1) Premises on which testing activities are performed

Name of Premises	Nishinomiya Lab.
Address	9-52 Ashihara-cho, Nishinomiya-shi, Hyogo, 662-8580 Japan
Testing service at permanent facilities or on site testing service	☒ Testing service at permanent facilities ☐ On site testing service

Scope of Accreditation

FIELD	M21 Electrical Testing
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CODE OF CLASSIFICATION, NAME	TEST METHOD STANDARD
M21 Electrical testing M21.5 Environmental testing M21.5.1 Cold tests	IEC 60068-2-1 (6.8, 6.10, and 6.13 are limited to visual check by viewing and operation check by electricity. Test Ab Temperature range -40°C to +5°C), EN 60068-2-1, EN IEC 60068-2-1 (6.8, 6.10, and 6.13 are limited to visual check by viewing and operation check by electricity. Test Ab Temperature range -40°C to +5°C), JIS C 60068-2-1 (6.8, 6.10, and 6.13 are limited to visual check by viewing and operation check by electricity. Test Ab Temperature range -40°C to +5°C), IEC 60945, EN 60945, JIS F 0812
M21 Electrical testing M21.5 Environmental testing M21.5.2 Dry heat tests	IEC 60068-2-2 (6.7, 6.9, and 6.13 are limited to visual check by viewing and operation check by electricity. Test Bb Temperature range $\leq 100^{\circ}\text{C}$), EN 60068-2-2, EN IEC 60068-2-2 (6.7, 6.9, and 6.13 are limited to visual check by viewing and operation check by electricity. Test Bb Temperature range $\leq 100^{\circ}\text{C}$), JIS C 60068-2-2 (6.7, 6.9, and 6.13 are limited to visual check by viewing and operation check by electricity. Test Bb Temperature range $\leq 100^{\circ}\text{C}$), IEC 60945, EN 60945, JIS F 0812
M21 Electrical testing M21.5 Environmental testing M21.5.6 Damp Heat tests, cyclic (12+12-Hour cycle)	IEC 60068-2-30 (6, 8, 10 are limited to visual check by viewing and operation check by electricity.), EN 60068-2-30, EN IEC 60068-2-30 (6, 8, 10 are limited to visual check by viewing and operation check by electricity.), JIS C 60068-2-30 (6, 8, 10 are limited to visual check by viewing and operation check by electricity.), IEC 60945, EN 60945, JIS F 0812



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CODE OF CLASSIFICATION, NAME	TEST METHOD STANDARD
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.1 Frequency	FCC Part 2.1055, 25.202, 74.861, 80.209, 80.213, 87.133, 90.213, 90.215, 101.107 ANSI/TIA-603-E ETSI EN 302 248, ETSI EN 303 135 V2.1.1
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.2 Occupied frequency bandwidth	FCC Part 2.1049, 74.861, 80.209, 80.211, 87.135, 87.137, 87.139, 90.209, 90.210, 101.109
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.3 Spurious emission intensity	FCC Part 2.1051, 2.1053, 2.1057, 25.204, 74.861, 80.211, 80.217, 80.273, 87.139, 90.210, 101.111 ANSI/TIA-603-E ETSI EN 302 248, ETSI EN 303 135 V2.1.1
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.4 Antenna power	FCC Part 2.1046, 25.204, 25.216, 74.861, 80.215, 80.855, 80.873, 80.909, 80.911, 80.959, 87.131, 90.205, 90.215, 90.217, 101.113 ANSI/TIA-603-E ETSI EN 302 248, ETSI EN 303 135 V2.1.1
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.8 Carrier-wave power	FCC Part 2.1046, 30.202, 80.215, 87.131, 95.3167 ANSI/TIA-603-E ETSI EN 302 248
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.11 Transmission rise time and transmission fall time	FCC Part 2.1047, 80.213, 87.141, 90.207
M21 Electrical testing M21.27 Radio Transmitter tests M21.27.12 Adjacent channel leakage power or out-band leakage power	FCC Part 2.1051, 2.1053, 2.1057, 80.211, 80.273, 87.139, 90.210 ANSI/TIA-603-E ETSI EN 302 248, ETSI EN 303 135 V2.1.1
M21 Electrical testing M21.28 Radio Receiver tests M21.28.1 Limit of radio waves which are secondarily emitted	FCC Section 2.1051, 2.1053, 2.1057, 80.217, 90.210 ANSI/TIA-603-E



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CODE OF CLASSIFICATION, NAME	TEST METHOD STANDARD
M21 Electrical testing M21.28 Radio Receiver tests M21.28.5 Spurious response	ETSI EN 303 135 V2.1.1
M21 Electrical testing M21.41 Accreditation Scope of EMC laboratory for FCC M21.41.13 Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) • Part 80 • Part 87	• ANSI/TIA-603-E-2016; [1] or • ANSI C63.26-2015 (Measurement frequency : up to 40 GHz)
M21 Electrical testing M21.41 Accreditation Scope of EMC laboratory for FCC M21.41.14 Microwave and Millimeter Bands Radio Services (FCC Licensed Radio Service Equipment) • Part 25 • Part 30 • Part 74 • Part 90 (above 3 GHz) • Part 95 (above 3 GHz) • Part 97 (above 3 GHz) • Part 101	• ANSI/TIA-603-E-2016; [1] or • ANSI/TIA-102.CAAA-E-2016; [1] or • ANSI C63.26-2015 (Measurement frequency : up to 40 GHz)