



VCCI Council
<http://www.vcci.jp/>



ANNUAL REPORT

English



This publication is printed on an environment-friendly ink.



VCCI Council

VCCI Council

The purpose of this corporate body is to promote, in cooperation with related industries, the voluntary control of radio disturbances emitted from multimedia equipment (MME) on the one hand, and improvement of robustness of MME against radio disturbances on the other hand, so that the interests of Japanese consumers are protected with respect to anxiety-free use of MME.

» Description

- | | |
|--|--|
| <p>1 Formulate basic policies on voluntary control of electromagnetic disturbances emitted by multimedia equipment</p> <p>2 Coordinate the interest of member organizations and liaise with the government and related agencies</p> <p>3 Receive and file Conformity verification report with the voluntary control standards and issue reception acknowledgement in return</p> <p>4 Carry out market surveillance (with sampling test commissioned to third party testing laboratories)</p> <p>5 Regularly review the suitability of the Technical Requirements for necessary revisions by research and experiments and share the results with members</p> | <p>6 Hold measurement skills courses to prepare members' engineers for adequate conformity assessment</p> <p>7 Study trends in overseas EMC regulations and seek opportunities for mutual recognition agreement</p> <p>8 Examine credentials of measurement laboratories and facilities based on the measurement facilities registration system</p> <p>9 Do PR activities for general consumers and reach out to potential companies and associations for encouraging them to join VCCI</p> <p>10 Administer other programs for effective operations of the voluntary control</p> |
|--|--|

» INDEX April 2019-March 2020

Description	
Greetings	1
Organization	2
VCCI Committees and Activities	3~5
●Steering Committee	
●Technical Subcommittee	
●International Relations Subcommittee	
●Market Sampling Test Subcommittee	
●Public Relations Subcommittee	
●Education Subcommittee	
●Registration Committee for Measurement Facilities	
Trends in Membership	6
Composition of Members	
Composition of Overseas Members	7
Trends in Number of Filed Conformity Reports, by Product	
Trends in Market Sampling Test Results	8
Trends in the Total Number of Registered Measurement Facilities and Laboratories as of the Fiscal Year End	9
VCCI Member List	10~17
●Regular Members	
●Supporting Members	
Settlement of Accounts for FY 2019	18
VLAC (Voluntary EMC Laboratory Accreditation Center)	19
VCCI Commissioned Testing Laboratories	

» Greetings

Thank you for your continuing support for the activities of VCCI. This is a report on our activities in FY 2019.

The spread of COVID-19 has made an enormous impact on the world. We offer our deepest condolences to those who have lost loved ones and hope for a swift recovery of all those inflicted by this terrible pandemic.

Due to the central government's declaration of a state of emergency, VCCI has adopted a teleworking approach. We apologize for the inconvenience this has caused some of you. Although the state of emergency has been lifted in the Tokyo metropolitan area, we are still implementing teleworking in some areas of our business. We appreciate your understanding in these difficult times.

In order to curtail the spread of novel coronavirus infections, a wide variety of approaches have been implemented to limit outdoor activity, and include widespread implementation of home shopping, telework, telemedicine, and remote learning. Many of these are expected to take root in our society, as part of the New Lifestyle. Technology that supports such efforts is communication systems that exchange data, enhanced by artificial intelligence (AI) and robots.

At CEATEC 2019, held in October 2019, the world's largest general exhibition of a "super-smart society" (Society 5.0) with the "Connecting Society, Co-Creating the Future" theme, several efforts that contribute to the New Lifestyle, such as avatar robots and autonomous driving on public roads, were announced to the world. In 2020, 5G mobile communications system services will begin operation in Japan, and steady initiatives are underway to make the super-smart society a reality.

Meanwhile, as networks expand and use of radio diversifies, we expect challenges such as ensuring security and protecting personal information, as well as VCCI's role in building clean electromagnetic environments, to become increasingly important.

Since its inauguration in 1985, VCCI (formerly the Voluntary Control Council for Information Technology Equipment) has been engaged in activities to prevent failures in IT devices caused by interference, and protect the profits of Japanese consumers using electrical and electronic devices.

VCCI's activities are driven by the trust inspired by the VCCI mark. Specifically, our operation is underpinned by our three "pillars" of regulation: our system for registering measurement facilities, our system of self-declaration by member-filed conformity verification reports, and our fair market sampling tests. I am convinced that the VCCI mark could only earn its trust thanks to all of our members' earnest support and excellent compliance with our regulations. Going forward, we will continue to help build clean electromagnetic environments through these activities.

The international standards for multimedia device emissions, CISPR 32 Edition 2, was issued in March 2015, on which the Information and Communications Council of the Ministry of Internal Affairs and Communications reported in December 2015. The standards for multimedia device emissions were issued to integrate the individual standards for IT devices



VCCI Council
President:
Keiichi Kawakami

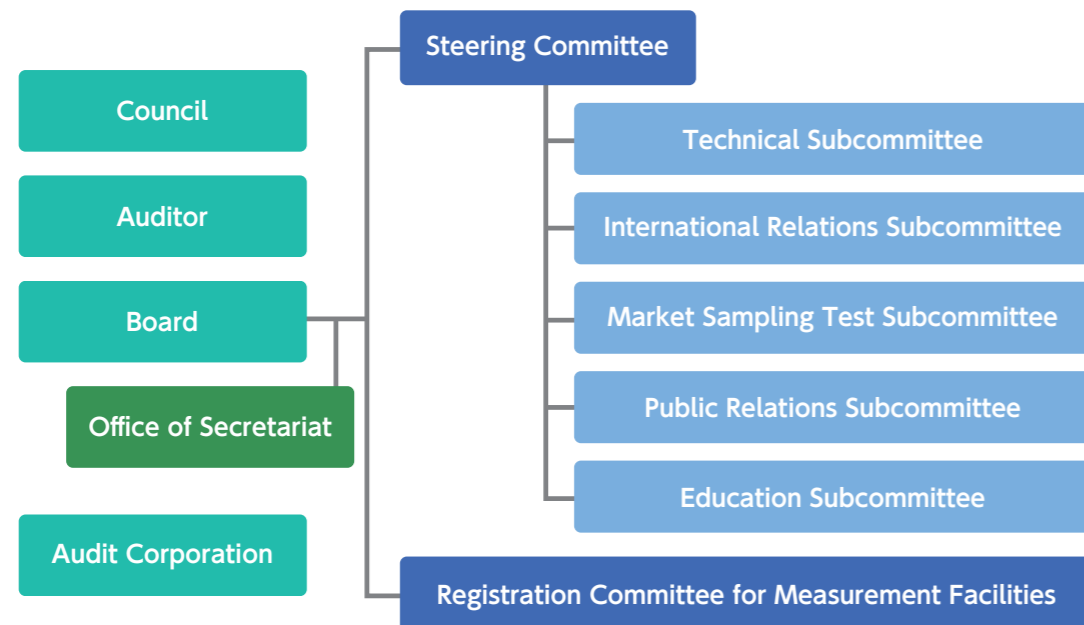
and AV equipment. VCCI issued the new VCCI regulations based on these new international standards in November 2016, and has begun putting them into practice. As of the end of March 2019, the period allowing overlap between the new and old rules came to a close. FY 2019 was the first year for putting only the new rules into practice. The volume of conformity verification reports has increased, and all VCCI members are now assumed to have made a smooth transition to the new rules. We will continue to ensure that VCCI members conduct conformity verifications based on the new rules, through briefing sessions, seminars, and workshops in Japan and overseas, ample provision of rule guides, and other activities.

Improving awareness of the VCCI mark worldwide and contributing to international standards for electromagnetic interference are an important part of VCCI's work in promoting voluntary control. VCCI holds an International Forum where speakers are invited from overseas electromagnetic interference regulatory authorities. VCCI also runs overseas workshops, exchanges views with overseas regulatory authorities, and builds these based on research results obtained through member activities, which are then announced in related associations overseas. VCCI helps to enact international standards by continuously dispatching its experts to committees involved with CISPR. We believe that these kinds of activities have improved awareness of VCCI, even overseas. Meanwhile, in Japan, VCCI holds seminars at the Info-Communication Promotion Month event hosted by the Ministry of Internal Affairs and Communications, as well as seminars and educational and training activities in Japanese industrial technology centers. VCCI also provides technical training to engineers working with electromagnetic interference and improved awareness of the VCCI mark through relevant training courses, promotion of educational activities, and PR activities at technology exhibitions.

With the cooperation of our members and of relevant government agencies and groups, we hope to continue addressing trends in technological innovation in CPS and IoT which will be integral to radio communication applications, and their social implementation, thereby helping to build clean electromagnetic environments as a foundation for a CPS and IoT society. We will make sure our activities prove meaningful to our members, and in turn to Japanese consumers.

We hope you will continue to support us going forward.

» Organization



Board of councilors

■ Head Councilor

Masamitsu Tokuda

Honorary Professor, Tokyo City University; Visiting Co-researcher, Graduate School of the University of Tokyo

■ Councilor

Hiroyuki Osaki

Head Researcher and Professor of Graduate School of Frontier Sciences, The University of Tokyo

■ Councilor

Kazuo Kaneko

Former President of The Association for Overseas Technical Cooperation and Sustainable Partnerships

■ Councilor

Osamu Fujiwara

Honorary Professor, Nagoya Institute of Technology; Visiting Professor, University of Electro-Communications

■ Councilor

Kazuo Izumi

Secretary General, Institute for the Information Industry

■ Councilor

Akira Ohya

Formerly of the Japan Broadcasting Corporation

■ Councilor

Ryuji Koga

Honorary Professor, Okayama University

■ Councilor

Takeshi Furutani

Executive Director, Japan Electrical Safety & Environment Technology Laboratories

Directors and auditors

■ President

Keiichi Kawakami

Japan Electronics and Information Technology Industries Association

■ Director

Masamichi Imai

Communications and Information Network Association of Japan

■ Auditor

Satoshi Shibata

Formerly of Panasonic Corporation, Former Chairman of VCCI Steering Committee

■ Director

Hirotohi Tanaka

Japan Business Machine and Information System Industries Association

■ Executive Director

Akira Oda

VCCI Council

■ Auditor

Hiroaki Hasegawa

Formerly of DOCOMO Datacom, Inc.

Audit Corporation

ERNST & YOUNG ShinNihon LLC

» VCCI Committees and Activities

Steering Committee

Oversees subcommittees' activities and endorses their resolutions, handles general managerial matters of VCCI, and makes proposals to the Board of Directors.

General operations

(1) Transition to the new rules of operation based on CISPR 32 Edition 2

Regarding the "Rules for Voluntary Control Measures", FY 2019 was the first year since the period allowing overlap between the new and old rules ended. Judging from the volume of conformity verification reports and other documents, we can assume that VCCI members have made a smooth transition to the new rules.

(2) Dissemination and awareness-raising activities on the new rules of operation based on CISPR 32 Edition 2

Last year, VCCI ran a booth at EMC Sapporo & APEMC 2019 (held from June 3 to June 7). VCCI held a tutorial on June 4 to present its efforts at implementing the new rules and to disseminate and raise awareness of the new rules. During this time, VCCI agreed to engage in mutual technical exchanges in the ensuing years with the Taiwan government and industry officials.

In November 2019, an overseas workshop was held in Seoul, South Korea. Non-Japanese VCCI members make up more than half of VCCI's membership, and the four regions U.S.A., Taiwan, China, and South Korea make up approximately 80% of non-Japanese members. All four regions have hosted our overseas workshops over the last three years (from 2017).

In addition, to deepen understanding of how to apply the new rules, we issued guides for "Calibration Management for Measurement Facilities" and "Measurement of Equipment Under Test (EUT) with Radio Functionality" in July 2019 and January 2020.

(3) MOU operation and talks with overseas institutions

Ongoing MOU operations have been conducted between Japan and the U.S. to mutually accept data measured in laboratories in both countries. As of the end of March 2020, the laboratories registered using this system numbered 81 in the U.S. and 56 in Japan. In July 2019, during the IEEE EMC 2019 Symposium, we exchanged information with the U.S. laboratory accreditation bodies NVLAP, A2LA, and ANAB, and the U.S. industry association ITI. In May and November of 2019, we participated in the Europe-oriented REDCA meetings, where we collected reference information on trends in market sampling tests and on international standard setting.

(4) Holding of VCCI seminars

In FY 2019, in addition to the Info-Communication Promotion Month event for the Ministry of Internal Affairs and Communications held at VCCI in May, regional seminars were held at the following three locations: Hokkaido Research Organization (October), Iwate Industrial Research Institute (November), and Kyoto Prefectural Technology Center for Small and Medium Enterprises (December).

(5) Activities with academic associations

We presented the following four theses at EMC Sapporo & APEMC 2019 in Sapporo in June 2019:

- (a) Investigation into the influence of Mains Cable Bundling on Reproducibility of Radiated Emission Measurements
- (b) Verification of suitability of the AAN shown in Fig. G.3 of CISPR 32 for conducted emission measurement on single and two-pair unscreened balanced cables
- (c) Adequate Impedance Measurement Adaptor with Metal Support for use in VHF-LISN Validation
- (d) Influence of Power Line Termination Device Placed on Ground Plane to NSA Measurement

We presented the following thesis at 2019 IEEE EMC in the U.S.A. in July 2019:

- (a) Evaluation of Radiated Emission from Mains Cable with the Different Terminating Conditions and Disturbance Sources
- We presented the following thesis at EMC EUROPE 2019 in Spain in September 2019:

- (a) Influence of Power Line Termination Device Placed on Ground Plane to NSA Measurement

We made the following presentation at the 24th EMC Kansai 2019 in Kyoto in October 2019:

(a) Efforts for VHF-LISN Standardization for Measurement of Radiated Emissions

(Notes)

- CISPR : International Special Committee on Radio Interference
- MOU : Memorandum of Understanding
- A2LA : The American Association for Laboratory Accreditation
- NVLAP : National Voluntary Laboratory Accreditation Program
- ANAB : ANSI National Accreditation Board
- ITI : Information Technology Industry Council
- REDCA : Radio Equipment Directive Compliance Association



EMC Sapporo

Workshop in Korea



Iwate Industrial Research Institute

Business report meeting

Technical Subcommittee

Sets and maintains the VCCI Technical Requirements covering standardized EMI limits, measurement methods, and conformity verification procedures which underpin the scheme of voluntary control of electromagnetic interference to preserve sustainable radio environments surrounding multimedia equipment.

Standards setting

(1) Activities for promoting international standardization

VCCI participated in EMC-related committees in Japan and overseas, promoting activities to reflect its opinions in the short-term and long-term challenges raised as next term's revisions to the CISPR 32 standard. VCCI also promoted activities to propose the international standardization of power cable termination conditions at the CISPR, SC-A&I, and JAHG6 conferences.

A document on the effectiveness of installation of CMAD in noninvasive methods of measuring conducted emissions was proposed, discussed, and adopted as a contributed document to SC-I/MT7. International standardization of power cable termination conditions was proposed to SC-A&I/JAHG6 via six contributed documents, and two CD document drafts, CISPR 16-1-4 and CISPR 16-2-3, were proposed and discussed. Additionally, VCCI conducted an international RRT (Round Robin Test) at ten sites in six countries to promote international standardization of power cable termination conditions.

(2) Technical symposium

The technical symposium was held in January 2020 to share the achievements of the Technical Subcommittee with VCCI members. Theses released by international academic associations were also explained at the symposium. There were about 130 participants.

(3) Main activities of the Technical Subcommittee and each WG

(a) Creation of a guide for the new rules

We made a guide for the new rules. This guide explains the considerations for using a preamplifier when measuring radiated emissions from equipment under test with radio functionality.

(b) CISPR project WG

The WG discussed the next revision to CISPR 32 Edition 2 and the contributed documents and work documents for CISPR/SC-A&I/JAHG6. VCCI offered comments based on the deliberations. In addition, experts who attended CISPR conferences reported to members on what was discussed, and shared relevant information.

(c) Radiated EMI WG

Recommended maximum EUT volume diameters (based on measurement distance) were added for radiated emission

measurement above 1 GHz. The WG compared the measurements performed for an EUT volume of $\phi 5$ m between the measurement at the recommended distance of 10 m and the measurement at a distance of 3 m, with horizontal scanning of the receive antenna, and then verified the measurements. The results were reported to VCCI members at the technical symposium.

(d) Conducted EMI WG

In regard to the measurement method using a FET-based receiver, the WG compared and verified the measurement values determined using a conventional receiver and a FET-based receiver. The results were reported to VCCI members at the technical symposium.

(e) Antenna calibration and site validation WG

The WG verified the free-space antenna factor calibration methods for biconical antennas, log-periodic array antennas, and hybrid antennas. The results were reported to VCCI members at the technical symposium.

(f) VHF-LISN WG

In October 2019, to internationally standardize power cable termination conditions, this WG created six documents (contributions) relating to VHF-LISN, and two CD document drafts, CISPR 16-1-4 and CISPR 16-2-3, as work documents for VHF-LISN standardization. This WG also compiled the results of an international RRT based on the procedures for conducting RRTs adopted at the CISPR conference in April 2019. The results of deliberations at the CISPR conference were reported to VCCI members at the technical symposium.

(Notes)

- CD : Committee Draft
- CMAD : Common Mode Absorbing Device
- EUT : Equipment Under Test
- RRT : Round Robin Test
- VHF-LISN : Very High Frequency - Line Impedance Stabilization Network



EMC Sapporo 2019



Rules Briefing and Technical Symposium

International Relations Subcommittee

Liaises with related organizations overseas to appropriately communicate VCCI activities, while obtaining information on EMC-related standards and regulations of countries and regions across the world.

This information is then relayed to members in order to optimize VCCI activities.

Overseas situational awareness activities

The following surveys and dissemination activities were held for overseas EMC standards:

(1) International Forum

On October 18, 2019, the VCCI International Forum was held as an adjoining seminar with CEATEC. Guest speakers were invited from the EU, UK, Saudi Arabia, and South Africa to give talks on the latest news in various countries. There were about 100 participants.

(2) Update to the world ITE standards table

A survey on the status of emissions standards and immunity standards was held in 25 countries including Japan, the U.S., Europe, China, Russia, and Australia, and results were published on the website in July 2019.

(3) Provision of updates to members regarding trends in EMC regulations

Survey information on world EMC trends was entered into a database, for provision to members. Updates were made as needed starting from April 2016. Most recently, "Survey of Trends in World EMC Regulations" was updated in December 2019.

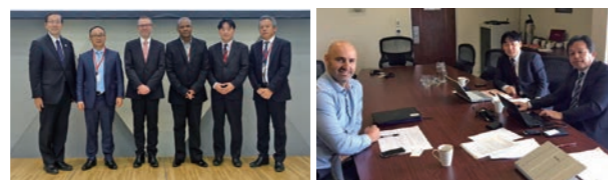
(4) Overseas surveys

The subcommittee visited RSM of New Zealand and ACMA of Australia in January 2020, and acquired the latest news. Survey results were published in "VCCI Dayori".

The overseas surveys planned for March for BEIS in the UK and for the European Commission have been postponed until at least next year due to COVID-19.

(Notes)

- RSM : Radio Spectrum Management New Zealand
- ACMA : Australian Communications and Media Authority
- BEIS : Department of Business, Energy & Industrial Strategy



International Forum

RSM



ACMA

Market Sampling Test Subcommittee

Checks if conformity verification reports filed to VCCI are conducted properly. Pass or fail is determined based on the results of measuring market samples in designated testing laboratories.

Market surveillance

(1) Market sampling tests

Market sampling tests were conducted in accordance with the Rules for Voluntary Control Measures. A total of 100 products were tested (of which 45 were loaned and 55 were purchased), and products included personal computers, peripheral terminals, digital cameras, and LAN-related devices. Of the 100 products, conformity verification reports were filed based on the VCCI 32-1 new rules for 73 products. The results are shown in Table 1. In the first round of judgments, 96 of 100 products passed, and four failed. Of the four failed products, one responsible VCCI member admitted to failing after detailed investigation into the product's conformity with the rules. The remaining three products subsequently passed after different test conditions or specific malfunctions were revealed. In the final round of judgments, 99 products passed and one product failed. Of the 100 products subjected to sampling tests, periodical quality management data on mass-produced products was offered for one product. The data was used as substitute for the sampling test result for that product. Information on the failed product (such as the company name, model name, and other details) was published in "VCCI Dayori" in March 2020 with the consent of the member in question.

Table 1 Results of Market Sampling Test

Quarter	Tests on loaned samples				Tests on purchased samples				Total
	I	II	III	IV	I	II	III	IV	
Passed	10	10	12	12	20	12	7	16	99
Failed	1	0	0	0	0	0	0	0	1
Total	11	10	12	12	20	12	7	16	100

(2) Document inspections

40 document inspections were performed. Test reports filed with conformity verification reports were inspected, and six documents were found with insufficient test conditions, resulting in members performing additional tests. Revised test reports were reexamined, and it was confirmed that the results satisfied the standards. Documents were also inspected for all 100 products subjected to sampling tests.

Sampling tests were also conducted for the test reports filed with conformity verification reports, including the six documents with insufficient test conditions. All the sampled documents were found to satisfy the standards. In regard to six products with inappropriate VCCI marks or warning statements, the relevant VCCI members were notified to take corrective measures, and the corrections were confirmed.

(3) Survey of use of the VCCI mark in the market

A fact-finding survey was conducted on the use of VCCI marks in the market (1,619 models from 197 suppliers) by checking store shelves of mass retailers. The survey found non-VCCI-member products suspected of using VCCI marks, and VCCI-member products with VCCI marks which were not supposed to be on the products according to the filed information. Non-member companies selling products with unauthorized VCCI marks will be asked to join VCCI. Member products with inappropriate VCCI marks are probably caused by mismatch between the actual retail model names of the products and filed information, or failure to file necessary information. Details will be checked and corrective measures will be taken.

Public Relations Subcommittee

Promotes awareness of VCCI and its activities, for example by working as creator and admin of the VCCI website, issuing the seasonal newsletter "VCCI Dayori" and annual report in Japanese and English, creating and distributing PR brochures and calendars, and participating in exhibitions in Japan and abroad.

PR activities

(1) Participation in TECHNO-FRONTIER 2019 (April 17 to April 19, 2019, Makuhari Messe)

A VCCI booth was set up at the event. About 250 people participated in the questionnaire.

(2) Participation in EMC Sapporo & APEMC 2019 (June 3 to June 7, 2019, Sapporo Convention Center)

VCCI held a booth at the event. To spread awareness of VCCI and disseminate information about its activities among academics and people related to academic associations, VCCI fielded questions and distributed materials to approximately 100 people.

(3) Participation in CEATEC 2019 (October 15 to October 18, 2019, Makuhari Messe)

A VCCI booth was set up at the event. About 250 people participated in the questionnaire.

(4) Illuminated billboard advertising

To raise awareness of the VCCI mark, VCCI continued to post illuminated billboard advertisements in JR Akihabara Station and JR Osaka.

(5) Advertising in the Tokyo Metro Hibiya line (train cars passing through Tobu Railway)

VCCI continued to post door-window sticker advertisements for Tobu Railway's 20000-series and 70000-series train cars. The sticker was redesigned for 2019.

(6) Video advertisements for TV sales at mass retailers

From March 2016, a 30-second video advertisement on the VCCI mark was continuously broadcast on TV sales floors in 22 Bic Camera stores across Japan, as PR for general users and mass retailer staff.

(7) Translation (to simplified and traditional Chinese) of VCCI introductory video

VCCI created the Chinese version (simplified and traditional Chinese) of the VCCI introductory video (Japanese and English versions already existed). The video was published on the VCCI website for audiences in China (where VCCI members are on the rise) and Taiwan (which has the second largest number of VCCI members).

(8) Issuing of the newsletter "VCCI Dayori" and annual report

VCCI issued "VCCI Dayori" (Japanese and English versions) No.132 to No.135, and published them on the VCCI website. The 2018 annual report (Japanese and English versions) was also issued in August 2019.



CEATEC 2019



Hibiya line door-window sticker advertisement

Education Subcommittee

Educates and trains EMC managers and measurement engineers on VCCI rules and requirements while improving measurement techniques, by organizing technical courses and seminars.

Technical training seminars

Education and training seminars were held to disseminate VCCI operational rules and improve measurement techniques among member EMC managers and measurement engineers. The textbooks of FY 2019 specifically mention that it is the first year since the period allowing overlap between new and old rules ended, with textbooks incorporating the content of the new guides being issued in FY 2018.

(1) Overview of education and training in accordance with "Technical Requirement" VCCI-CISPR 32

The five education and training seminars "The basic technique of EMI measurement", "The basic of electromagnetic waves, EMI measurement technique below 1GHz", "The EMI measurement technique above 1GHz", "The EMI measurement instrumentation

uncertainty (MIU)", and "The level up of EMI measurement technique" were held. The textbooks were revised based on the FY 2018 questionnaire results.

(2) Details of education and training courses held in FY 2019

(a) The basic technique of EMI measurement

This was a training course for beginner measurement engineers to acquire basic knowledge. Two sessions were held in April and October 2019, with certificates of attendance given to a total of 51 attendees.

(b) The basic of electromagnetic waves, EMI measurement technique below 1 GHz

Two sessions were held in May and November 2019, with completion certificates given to a total of 49 attendees.

(c) The EMI measurement technique above 1 GHz

The purpose of this course was to teach techniques for measuring EMI exceeding 1 GHz and evaluating measurement facilities. Two sessions were held in June and December 2019, with completion certificates given to a total of 23 attendees.

(d) The level up of EMI measurement technique

The purpose of this course was to deepen understanding of correct automatic and manual measurement of radiated emissions. Two sessions were held in July 2019 and January 2020, with certificates of attendance given to a total of 24 attendees.

(e) The EMI Measurement Instrumentation Uncertainty (MIU)

The purpose of this course was to teach calculation methods based on an interpretation (VCCI 32-1-3) of the rules on including MIU in reports on tests conducted in compliance with the technical standard "VCCI-CISPR 32". Two sessions were held in July 2019 and January 2020, with certificates of attendance given to a total of 45 attendees.



Training for the EMI measurement technique above 1 GHz

Training for the EMI measurement instrumentation uncertainty (MIU)

Registration Committee for Measurement Facilities

Inspects VCCI members such as measurement facilities against the VCCI requirements, and determines the validity of their membership based on the results. This ensures that conformity verification is fulfilled for EMI measurement sites and instruments.

Operations such as measurement facilities registered for inspection (measuring site registration operations)

The status of registrations this fiscal year is shown in the following section. Registrations are effective for a period of three years, and those who wish to stay members renew their registration every three years.

(1) Number of actually registered facilities in FY 2019

• Number of facilities registered via inspections: 409 (of which 312 were those renewed)

Category of measurement facility	Number of registered facilities	(FY 2018)
Radiated disturbance	122	(86)
Mains port conducted disturbance	106	(109)
Telecommunication (wired network) port conducted disturbance	85	(95)
Radiated disturbance above 1GHz	96	(116)

• Number of registered laboratories accredited by accreditation bodies: 113

(2) Total number of registered facilities (as of March 31, 2020)

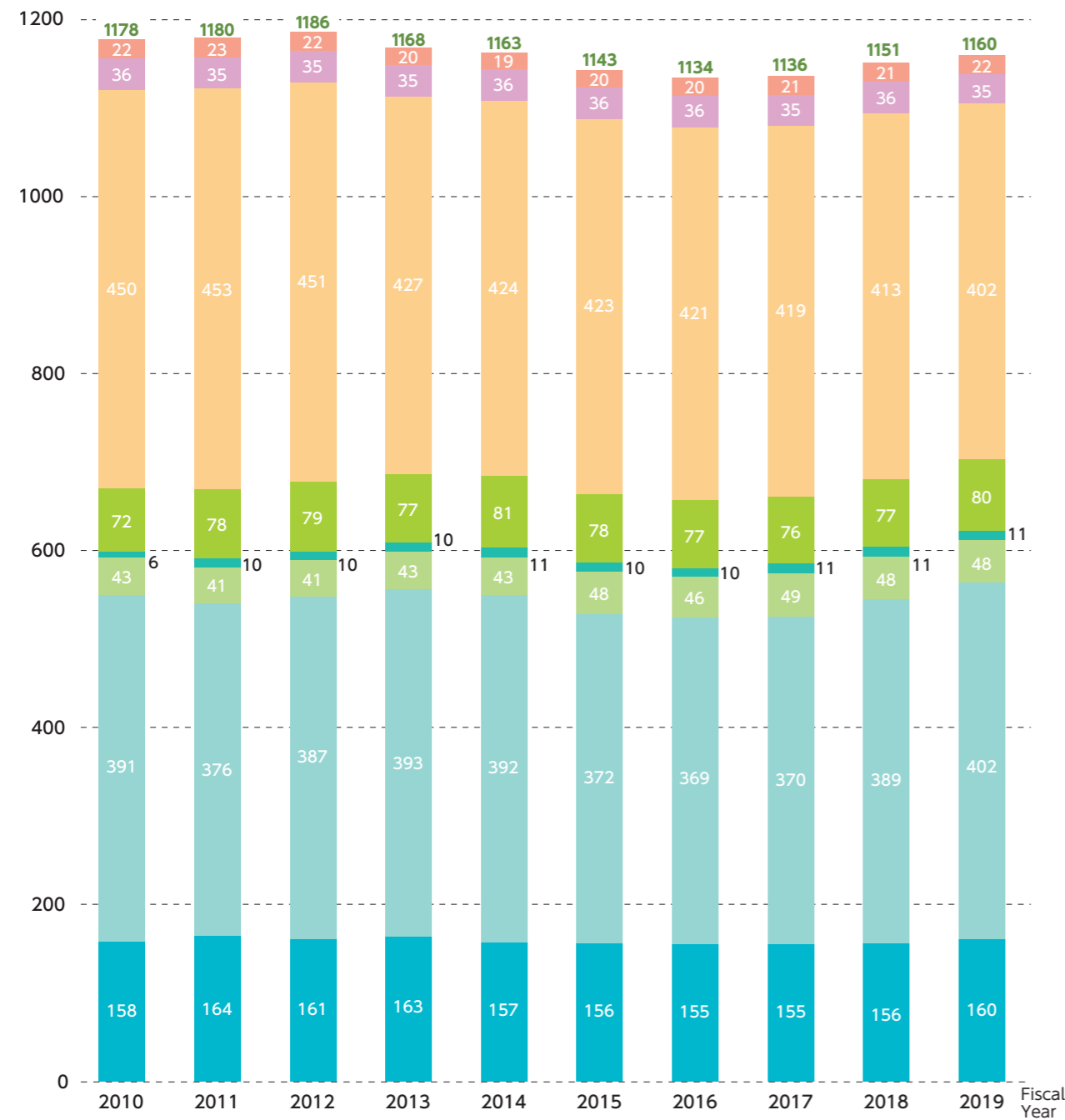
• Total number of facilities registered via inspections: 1,163

Category of measurement facility	Number of registered facilities	(FY 2018)
Radiated disturbance	322	(331)
Mains port conducted disturbance	308	(333)
Telecommunication (wired network) port conducted disturbance	253	(271)
Radiated disturbance above 1GHz	280	(298)

• Number of registered laboratories accredited by accreditation bodies: 137

» Trends in Membership

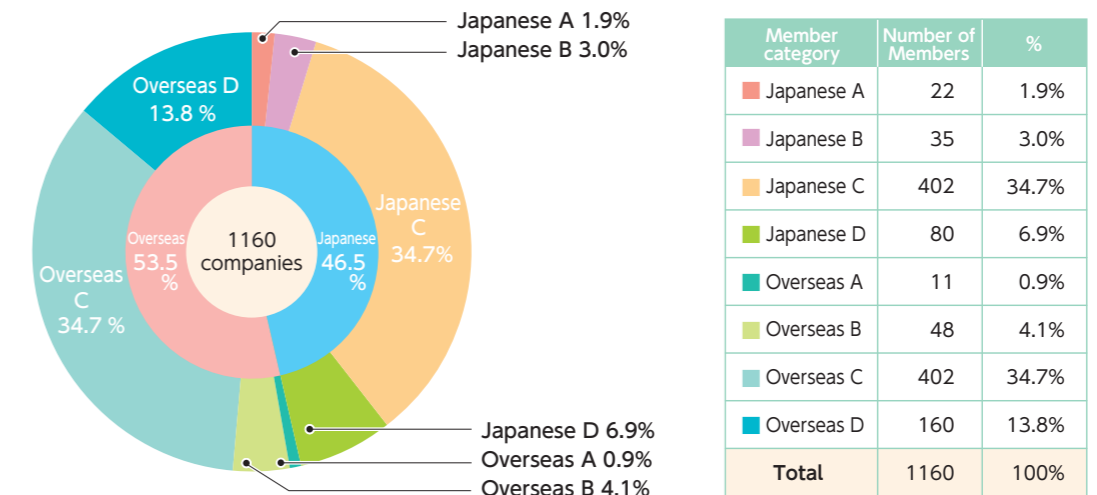
Number of member companies



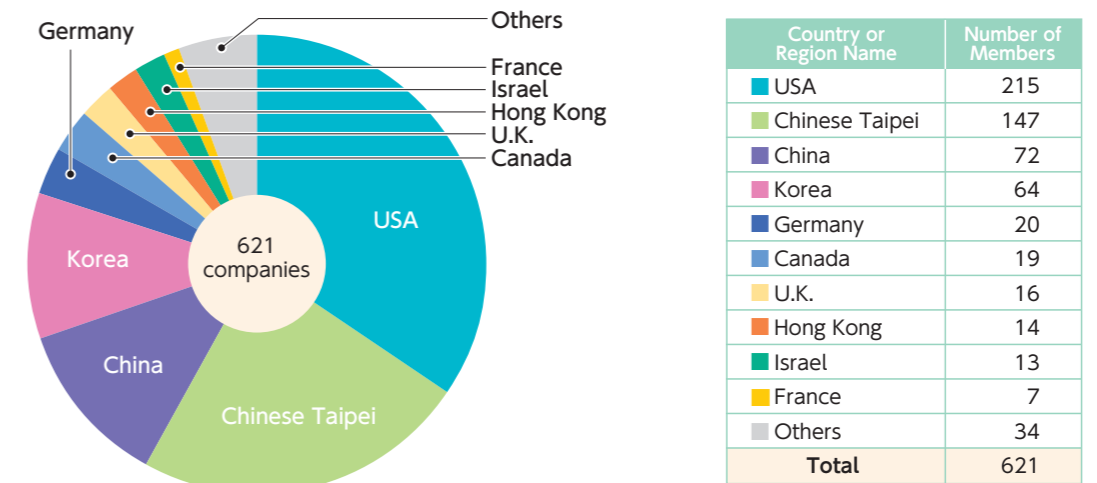
Category: Japanese A Japanese B Japanese C Japanese D
Overseas A Overseas B Overseas C Overseas D

Category	Applicable to -
A members (regular members)	Chairmen and Vice Chairmen of the three groups constituting VCCI (JEITA, JBMIA, CIAJ) and equivalent companies (companies that file 70 or more conformity reports a year)
B members (regular members)	Companies that file 10 or more conformity reports a year
C members (regular members)	Companies that file fewer than 10 conformity reports a year
D members (supporting members)	Companies that do not file conformity reports, or do not ship products (mainly measurement facility companies or companies that only collect information)

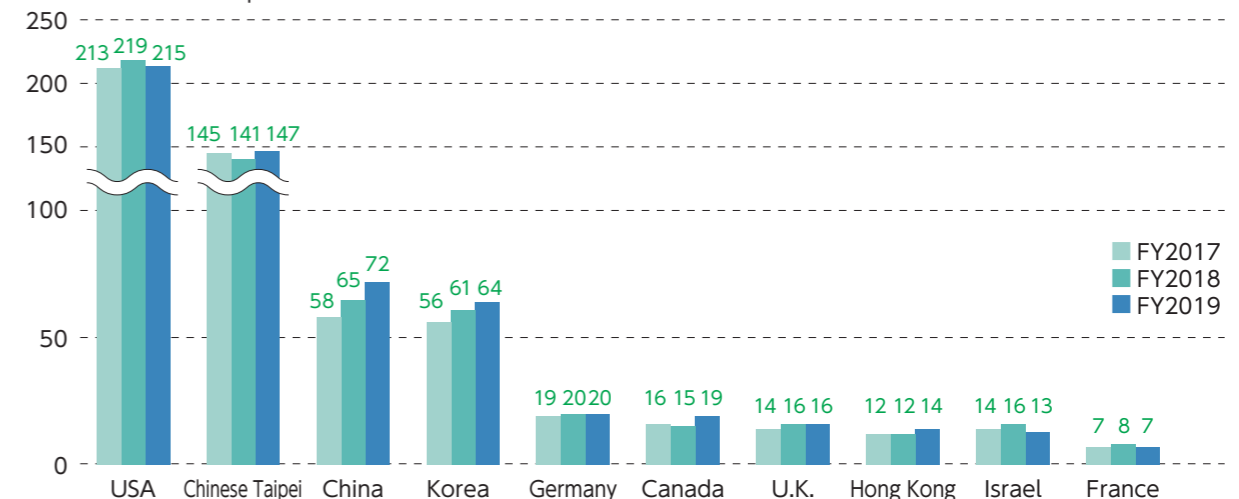
» Composition of Members



» Composition of Overseas Members

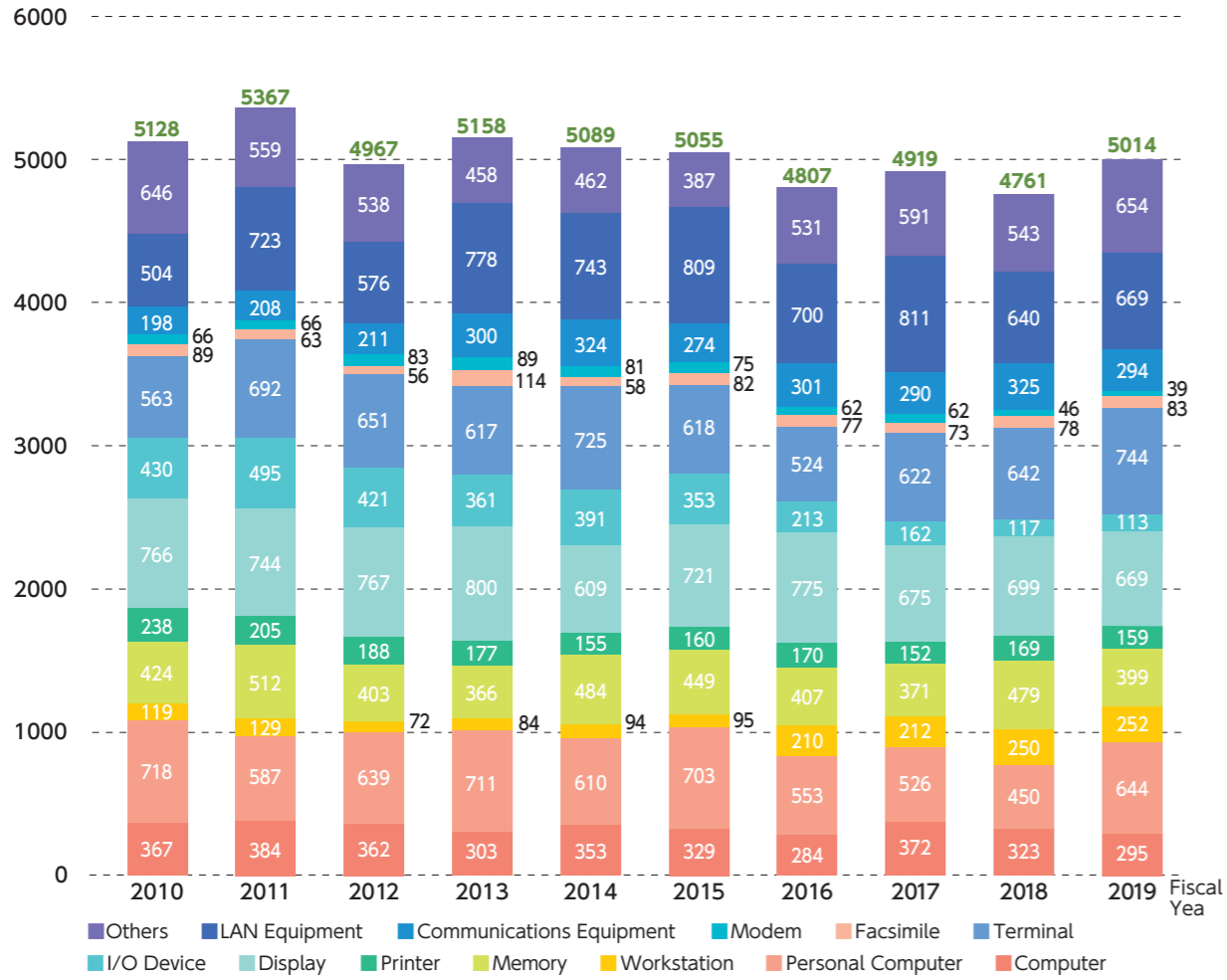


Number of member companies



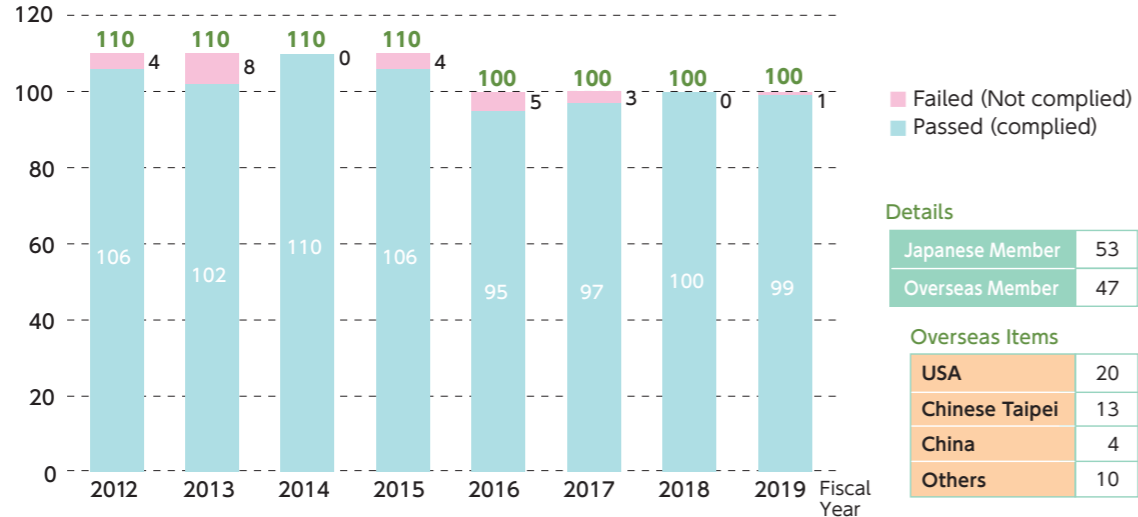
» Trends in Number of Filed Conformity Reports, by Product

Number of filed report of conformance submitted



» Trends in Market Sampling Test Results

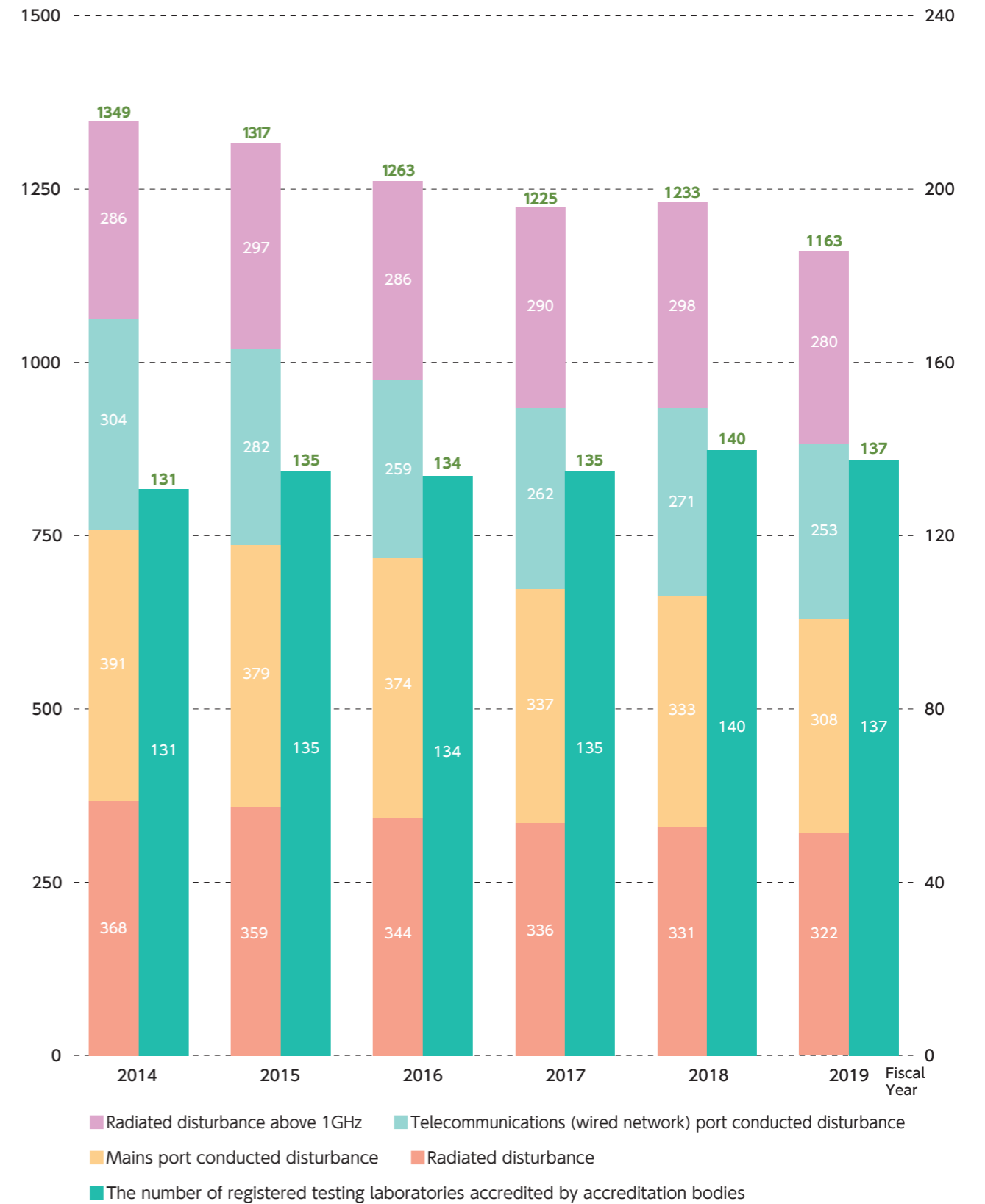
Number of market sampling test



» Trends in the Total Number of Registered Measurement Facilities and Laboratories as of the Fiscal Year End

Number of registered facilities

Number of registered testing laboratories



» VCCI Member List

Regular Members

<Japanese>

No. Company Name

[A]

2323 A.T. Works, Inc.
2478 A2 Corporation
1355 ABIT CORPORATION
3873 Acco Brands Japan K.K.
1882 ADVA Optical Networking Corp.
3915 Advance Connecting Technologies
35 ADVANTEST CORPORATION
3950 Aggregate., co. ltd
47 AIPHONE CO., LTD.
222 AISIN SEIKI CO., LTD.
2335 ALAXALA Networks Corporation
459 ALEXON CO., LTD.
1317 ALF INC.
231 Allied Telesis K.K.
3357 ALNETZ CO., LTD.
76 ALPS ALPINE CO., LTD.
43 ANRITSU CORPORATION
2676 ANRITSU NETWORKS CO., LTD.
218 AOI Development Center, Ltd.
3682 AOPEN JAPAN INC.
147 APRESIA Systems, Ltd.
3047 Array Corporation
3801 Asahi Net, Inc.
4051 Asuka Solution Company Limited
1489 ATM Japan, Ltd.
2655 Atmark Techno, Inc.
3532 AUI Co., Ltd.
1478 Avaya Japan Ltd.
1147 Axis Communications K.K.

[B]

2321 Barracuda Networks Japan K.K.
3477 Benesse Corporation
736 BILLCON CORPORATION
2993 BIOS Corporation
2957 Bktel Pacific Rim (Japan) Inc.
2683 BMT
913 Brains Corporation
21 Brother Industries, Ltd.
933 BUFFALO INC.

[C]

3910 Canare Electric Co., Ltd.
441 CANON ELECTRONICS INC.
1386 CANON FINETECH NISCA INC.
49 Canon Inc.
883 Canon Marketing Japan Inc.
90 Canon Production Printing Systems Inc.
3129 Cansystem Co., Ltd.
54 CASIO COMPUTER CO., LTD.
3810 CASO Inc.
2977 CCP Co., Ltd.
2928 Cellcross Co., Ltd.
3678 Cellstar Industries Co., Ltd.
2395 Central Engineering Corporation

3555 CENTURY SYSTEMS Co., Ltd.
64 CHUO ELECTRONICS CO., LTD.
220 CITIZEN SYSTEMS JAPAN CO., LTD.
71 COMOTA CO., LTD.
1206 CONTEC CO., LTD.
3232 CPI Technologies, Inc.
3881 Crafty Co., Ltd.
1231 CTCSP Corporation

[D]

178 D&M Holdings Inc.
2803 Dai Nippon Printing Co., Ltd.
3800 DAIKIN INDUSTRIES, LTD.
2839 Data Controls Inc.
1978 Datacard Japan Ltd.
2496 DDS, Inc.
1758 DENSO WAVE INCORPORATED
3879 DGSHAPE Corporation
3288 dit Co., Ltd.
419 Duplo Seiko Corporation
3848 DUX Inc.
3476 DX ANTENNA CO., LTD.
1026 Dyden Corporation
3741 Dynabook Inc.

[E]

3378 e-Broad Communications Inc.
3856 ECO LIFE ENGINEERING CO., LTD.
3935 Ecolab G. K.
3922 Ecomott Inc.
137 EIZO Corporation
3254 ELECOM CO., LTD.
3052 ELSA Japan Inc.
3593 Empathy Co., Ltd.
1525 EPSON DIRECT CORPORATION
2299 e-trees. Japan, Inc
1091 EXCEL CO., LTD.

[F]

2680 Fanatic Computers Inc.
3576 Fibergate Inc.
101 FOSTER ELECTRIC CO., LTD.
51 FUJI ELECTRIC CO., LTD.
2331 Fuji Electric Co., Ltd.
67 Fuji Xerox Co., Ltd.
118 FUJIFILM Corporation
670 FUJIFILM Imaging Systems Co., Ltd.
253 Fujikura Ltd.
704 Fujikura Solutions Ltd.
3320 FUJISOFT INCORPORATED
3835 FUJITSU CLIENT COMPUTING LIMITED
1066 FUJITSU COMPONENT LIMITED
3386 FUJITSU COMPUTER TECHNOLOGIES LIMITED
1500 FUJITSU FRONTTECH LIMITED
20 FUJITSU ISOTEC LIMITED
1833 FUJITSU KANSAI-CHUBU NET-TECH LIMITED
65 FUJITSU LIMITED
1650 FUJITSU NETWORK SOLUTIONS
3696 FUJITSU SOCIAL LIFE SYSTEM LIMITED
34 FUNAI ELECTRONIC CO., LTD.
2722 FURUNO ELECTRIC CO., LTD.

1561 FURUNO SYSTEMS Co., Ltd.
3943 Fusion Technology Co., Ltd.
2922 FUTEC INC
3355 FUTURE CONNECT, LTD.
1138 FXC Inc.

[G]

1526 GINGA SYSTEM CO., LTD.
3765 GLBB JAPAN
707 GLORY AZ System Co., LTD.
95 GLORY LTD.
3686 Godspeed. Co., Ltd
3802 G-Printec Inc.
88 GRAPTEC CORPORATION
1728 GREEN HOUSE CO., LTD.
3065 Gridmark Inc.
85 GS Yuasa International Ltd.

[H]

2837 Hagiwara Solutions co., Ltd.
2242 HAGIWARA TECHNO SOLUTIONS CO., LTD
3451 HAKARU PLUS CORPORATION
2791 HANDREAMNET
2740 HARVEST CO., LTD.
6 Hewlett-Packard Japan, Ltd.
198 HIRAKAWA HEWTECH CORP.
2549 Hitachi IE System Co., Ltd.
4005 Hitachi Industrial Product, Ltd.
3273 Hitachi Industry & Control Solutions, Ltd.
1083 Hitachi Information & Communication Engineering, Ltd.
1596 Hitachi KE Systems, Ltd.
52 Hitachi Kokusai Electric Inc.
371 Hitachi Solutions Technology, Ltd.
3255 Hitachi Systems Field Services, LTD
2692 Hitachi Terminal Mechatronics, Corp
1850 Hitachi-LG Data Storage, Inc.
2347 Hitachi-Omron Terminal Solutions, Corp
2 Hitachi, Ltd.
3079 HOCHIKI CORPORATION
1518 Hosiden Corporation
3706 Housing Exterior Division LIXIL Co., Ltd.
4024 HOYA CORPORATION MD DIVISION
3671 HOYA DIGITAL SOLUTIONS COOPERATION
3638 HP Japan Inc.
2629 HYTEC INTER Co., Ltd.

[I]

3269 iB Solution Co., Ltd.
23 IBM Japan, Ltd.
1329 ICOM Inc.
3438 iD corporation
3494 IDEC CORPORATION
3073 IDK Corporation
151 Ikegami Tsushinki Co., Ltd.
4019 Illumina K.K.
1191 IMAGENICS. CO., LTD.
3280 impactTV. INC
3493 INABA DENKI SANGYO CO., LTD.
808 iND Co., Ltd.
1429 Infinico Corporation

3907 inMusic Japan K.K.
3768 INNOTECK CORPORATION
338 Intel K.K.
3775 Interface Corporation
1326 I-O DATA DEVICE, INC.
3732 IOT Co., Ltd.
3923 IoT Systems Co., Ltd.
826 IRIICHI TECHNOLOGIES INC.
946 ISA Co., Ltd.
1864 ISHIIHYOKI CO., LTD.
3942 ITC Co., Ltd.
2978 ITUS Japan Co., Ltd
14 IWATSU ELECTRIC CO., LTD.

[J]

375 Janome Sewing Machine Co., Ltd.
262 Japan Aviation Electronics Industry, Limited
436 JAPAN CASH MACHINE CO., LTD.
874 Japan Electronics Ind., Inc.
96 Japan Radio Co., Ltd.
1836 Japan Telegartner Limited
460 JB Advanced Technology Corporation
3980 JOLED Inc.
30 JVC KENWOOD Corporation
3751 JVC KENWOOD Public & Industrial Systems Corporation

[K]

3769 K.K.FOVE
2381 KABUTOYAMA WORKS CO., LTD
202 KAGA ELECTRONICS CO., LTD.
3308 KAGA MICRO SOLUTION CO., LTD.
3664 KAMETSU CORP.
3849 KANAI ELECTRONIC APPLIANCE Co., Ltd.
1488 Kanematsu Electronics Ltd.
229 KATSURAGAWA ELECTRIC CO.,LTD.
1609 Kawamura Electric Inc.
841 KDDI Corporation
1339 KEYENCE CORPORATION
1651 Keysight Technologies Japan K.K.
3256 KING TSUSHIN KOGYO CO.,LTD
865 KINGJIM CO., LTD.
3208 KINKEI SYSTEM CORPORATION
3804 Kioxia Corporation
539 Kobayashi Create Co., Ltd.
160 Kodak Alaris Japan Corporation
1699 KOGA ELECTRONICS CO.
1067 KOITO ELECTRIC INDUSTRIES, LTD.
888 KOKUYO Co., Ltd.
908 KONICA MINOLTA JAPAN, INC.
172 KONICA MINOLTA, INC.
2506 KOSHIN DENKI KOGYO CO., LTD.
3762 Kpnetworks Ltd.
2265 KUBOTEK CORPORATION
2537 Kumahira Co., Ltd.
1390 KUZUMI Electronics, Inc.
209 KYOCERA Document Solutions Inc.
2394 KYOKKO SEIKO CO., LTD.
2138 KYOWA TECHNOLOGIES CO., LTD

[L]

136 LAUREL BANK MACHINES CO., LTD.
2573 Laurel Intelligent Systems Co., Ltd.
3611 Lenovo Enterprise Solutions Ltd.
2420 Lenovo Japan LLC

3004 LET's corporation
3797 LINE Corporation
102 Logitech Corporation
3266 Logitech INA Solutions Co., Ltd.
3690 LVHM WATCH & JEWERY JAPAN K.K.

[M]

3959 MAMORIO, Inc.
3594 MASPRO DENKOH CORP.
3983 Matsumura Engineering Co., Ltd.
1118 MAX CO., LTD.
210 Maxell, Ltd.
2955 MC SECURITY Co., Ltd.
116 MEIDENSHA CORPORATION
2360 Miharuru Communications Inc.
311 MIMAKI ENGINEERING CO., LTD.
344 MintWave Co., Ltd.
1932 MITACHI CO., LTD.
8 MITSUBISHI ELECTRIC CORPORATION
594 MITSUBISHI Electric Engineering Co., Ltd.
1646 Mitsubishi Electric Information Network Corporation
2044 MITSUBISHI ELECTRIC SYSTEM & SERVICE CO., LTD.
3050 Mitsubishi Paper Mills Limited
214 Mitsui E&S Systems Research Inc.
3789 Mitsui Knowledge Industry Co., Ltd.
584 MITSUMI ELECTRIC CO., LTD.
2031 MIWA LOCK CO., LTD.
282 MIYAKAWA ELECTRIC WORKS LTD.
4017 MOBILE COMMERCE SOLUTION Inc.
3258 mofiria Corporation
33 MURATA MACHINERY, LTD.
123 Murata Manufacturing Co., Ltd.
204 MUTOH INDUSTRIES, LTD.

[N]

82 NAGANO JAPAN RADIO CO., LTD.
2505 NAGATSUKA
716 NAGOYA ELECTRIC WORKS CO., LTD.
3290 NAITO DENSEI MACHIDA MFG.CO.,LTD.
146 NAKAYO, INC.
3546 NANABOSHI ELECTRIC MFG. CO., LTD.
126 NCR Japan, Ltd.
2196 NCR Services Japan, Ltd
3870 NEC Communication Systems, Ltd.
1 NEC Corporation
1394 NEC Display Solutions, Ltd.
3296 NEC Embedded Products, Ltd.
2729 NEC Magnus Communications
825 NEC Network and Sensor Systems, Ltd
1781 NEC Networks & System Integration Corporation
567 NEC Personal Computers, Ltd.
25 NEC Platforms, Ltd.
2644 NEC Solution Innovators, Ltd.
498 NEWTECH CO., LTD.
3886 NextGen Business Solutions, Inc.
450 NHK SPRING CO., LTD.
3836 NICHIEI INTEC CO., LTD
1566 Nichigaku Co., Ltd.
2989 NIDEC SANKYO CORPORATION
2807 NIE Co., Ltd.
130 Nihon Unisys, Ltd.
356 NIKON CORPORATION

1671 NIKON VISION CO., LTD.
1363 NIKON-TRIMBLE CO., LTD.
119 Nintendo Co., Ltd.
2221 NIPPON ANTENNA CO., LTD
953 Nippon Chemi-Con Corporation
621 NIPPON CONLUX CO., LTD.
844 Nippon Printer Eng. Inc.
279 NIPPON TELEGRAPH AND TELEPHONE CORPORATION(NTT)
1303 NIPPON TELEGRAPH AND TELEPHONE EAST CORPORATION
1278 NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
3895 NMR Corporation
3511 Nokia Solutions and Networks Japan GG
3506 NORITAKE ITRON CORPORATION
394 NTT Advanced Technology Corporation
1275 NTT Communications Corporation
329 NTT DATA CORPORATION
457 NTT Electronics Corporation
3643 NTTDATA INTELLILINK CORPORATION

[O]

443 OA LABORATORY CO., LTD.
3821 OCT Co., Ltd.
3237 ODS Corporation
3284 OFFICE24 CO., LTD.
197 Oi Electric Co., Ltd.
307 Oki Communication Systems Co., Ltd.
624 Oki Data CORPORATION
9 Oki Electric Industry Co., Ltd.
463 OLYMPUS CORPORATION
56 OMRON Corporation
2857 OMRON HEALTHCARE CO., LTD.
3939 OMRON SOCIAL SOLUTIONS CO., LTD.
3663 Onkyo & Pioneer Corporation
1812 OPTOELECTRONICS Co., Ltd.
223 Oracle Information Systems (Japan) G.K.

[P]

15 Panasonic Corporation
4022 Panasonic i-PRO Sensing Solutions Co., Ltd.
1780 Panasonic Life Solutions Networks Co., Ltd.
3790 Panasonic Mobile Communications Co., Ltd.
17 Panasonic System Solutions Japan Co., Ltd.
2234 PENTEL Co., Ltd.
144 PFU Limited
138 PHC Corporation
3104 PicoCELA Inc.
3977 PiNON Corp.
11 PIONEER ELECTRONIC CORPORATION
1448 Pixela Corporation
1364 PLANEX COMMUNICATIONS, Inc.
3628 Plat' Home Co., Ltd.
545 PLUS Corporation
2661 Primagest, Inc.
2041 Princeton Ltd.
3840 Project Ryukyu Co., Ltd

[Q]

4029 QD Laser, Inc.
3471 QUADRAC Co., Ltd.
2651 Qualica Inc.
2203 QUIXUN PRODUCTS CO., LTD.

[R]	3764 SUN-WA TECHNOS CORPORATION	[V]	3946 Arlo Technologies, Inc. (USA)	2974 Chelsio Communications, Inc. (USA)	1482 Edimax Technology Co., Ltd. (CHINESE TAIPEI)
763 RATOC Systems, Inc.	3785 SYNCLAYER INC.	3578 VAIO Corporation	1627 ARRAY NETWORKS, INC. (USA)	1638 Cheng Uei Precision Industry Co., Ltd. (CHINESE TAIPEI)	3672 Elatec GmbH (GERMANY)
2760 Renesas Electronics Corporation	637 SystemGear Co., Ltd.	2109 VarioSecure Inc.	3530 ARRIS (USA)	636 Cherry GmbH (GERMANY)	537 Electronics for Imaging, Inc. (USA)
16 Ricoh Co., Ltd.	3570 Systemk Corporation	3426 V-net AAEON Corporation Limited	2084 ARRIS International PLC (USA)	882 CHICONY ELECTRONICS CO., LTD. (CHINESE TAIPEI)	877 Elitegroup Computer Systems Co., Ltd. (CHINESE TAIPEI)
690 RICOH IMAGING COMPANY, LTD.	[T]	[W]	2148 Asian Power Devices Inc. (CHINESE TAIPEI)	3305 CHRISTIE DIGITAL SYSTEMS CANADA INC. (CANADA)	4028 Emesent Pty Ltd (AUSTRALIA)
38 RICOH INDUSTRY CO., LTD.	606 TAIYO SEIKI COMPANY., LTD.	3976 WA HOLDINGS Co., Ltd.	1285 ASKEY COMPUTER CORP. (CHINESE TAIPEI)	3874 Christie Digital Systems USA, Inc. (USA)	3964 EM-TECH (KOREA)
3692 RION CO., LTD.	163 TAIYO YUDEN CO., LTD.	177 Wacom Co., Ltd.	3504 Aspect Software, Inc. (USA)	2846 Ciena (USA)	1068 Emulex Corporation (USA)
175 RISO KAGAKU CORPORATION	283 TAKACOM CORPORATION	3889 WATEX CO., LTD.	2208 Astec International Limited (HONG KONG)	2163 Cisco Systems International BV (THE NETHERLANDS)	4000 Endace Limited (NEW ZEALAND)
59 ROLAND DG CORPORATION	326 TAKAMISAWA CYBERNETICS CO., LTD.	3495 Welcat Inc.	3911 Astro HQ LLC (USA)	493 Cisco Systems, Inc. (USA)	4200 EtherWAN Systems Inc. (CHINESE TAIPEI)
1708 Routrek Networks, Inc.	2847 TAKASAGO LTD.	[X]	1011 ASUSTek Computer Inc. (CHINESE TAIPEI)	3190 Citrix Systems, Inc. (USA)	3758 Everest Networks, Inc. (USA)
3716 Rubrik Japan KK	2691 TAKENAKA ENGINEERING CO., LTD.	4023 Xacti Corporation	1149 Aten International Co., Ltd. (CHINESE TAIPEI)	3816 Clavister AB (SWEDEN)	2732 EVOLIS (FRANCE)
3573 RYOWA ELECTRONICS CO., LTD.	3733 Tama Electronics Industry Corp.	[Y]	3553 Atop Technologies, Inc. (CHINESE TAIPEI)	702 CLEVO CO. (CHINESE TAIPEI)	3787 Exablaze (AUSTRALIA)
[S]	1973 TAMURA CORPORATION	22 YAMAHA CORPORATION	3124 ATP Electronics Taiwan Inc. (CHINESE TAIPEI)	989 Clientron Corp. (CHINESE TAIPEI)	2889 ExaGrid Systems, Inc. (USA)
3995 SAKAKI CORPORATION	206 TATSUNO CORPORATION	3287 YAMASHITA SYSTEMS Corp.	3464 Atrust Computer Corp. (CHINESE TAIPEI)	3634 CognitiveTPG, LLC. (USA)	3897 EXTERITY LIMITED (U.K.)
351 SANEI ELECTRIC INC.	3137 TDK Corporation	2931 YDK CO., LTD.	3222 ATTO Technology, Inc. (USA)	3770 Cohesity, Inc. (USA)	1406 Extreme Networks, Inc. (USA)
3909 Sangikyo Corporation	39 TDK CORPORATION	2366 YEC, CO., LTD.	2097 Audiocodes LTD. (ISRAEL)	3659 COLEBROOK BOSSON SAUNDERS LTD. (U.K.)	3524 Extron Electronics (USA)
83 SANKEN ELECTRIC CO., LTD.	75 TEAC CORPORATION	12 YUTAKA ELECTRONIC MFG. CO., LTD.	687 AVAGO Technologies (USA)	3901 Commcepts (USA)	3936 eze System, Inc. (USA)
2881 SANWA SUPPLY INC.	3727 Technicolor Japan K.K.	[Z]	3705 Avalue Technology Inc. (CHINESE TAIPEI)	297 Compal Electronics, Inc. (CHINESE TAIPEI)	[F]
920 SANYO DENKI CO., LTD.	3717 TECHNO BROAD, INC.	3394 ZOOM CORPORATION	2888 AVer Information Inc. (CHINESE TAIPEI)	3486 Contec Americas Inc (USA)	1440 F5 Networks, Inc. (USA)
19 SANYO Techno Solutions Tottori CO., Ltd.	2449 Techno Link Co., Ltd.	<Overseas>	3244 Avere Systems, Inc. (USA)	2240 Contela, Inc. (KOREA)	3817 Fibar Group S.A. (POLAND)
355 SATO CORPORATION	3734 Techno Science Japan Co., Ltd.	No. Company (Country or Region Name)	1933 AVerMedia Technologies Inc. (CHINESE TAIPEI)	3908 Corero Network Security Inc. (USA)	1926 FIMI s.r.l. (ITALY)
3799 SATSUKI CO., LTD.	2231 Technology Link Corporation	[A]	3230 Avid Technology, Inc. (USA)	779 Coretronic Corporation (CHINESE TAIPEI)	1925 FIRICH ENTERPRISES CO. LTD. (CHINESE TAIPEI)
127 SAXA, Inc.	3267 TechnoMatrYx Inc.	2548 A10 Networks, Inc. (USA)	574 Avison Inc. (CHINESE TAIPEI)	3966 Corsair Memory Inc. (CHINESE TAIPEI)	4038 Fitogether, Inc. (KOREA)
451 SCREEN Graphic Solutions Co., Ltd.	174 TERAOKA SEIKO CO., LTD.	3955 AAEON Technology Inc. (CHINESE TAIPEI)	[B]	3992 Cosmo Industries (Dongguan) Co., Ltd. (CHINA)	2823 Flextronics International (Taiwan) Ltd. (CHINESE TAIPEI)
3346 Seedsware Corporation	830 THE FURUKAWA ELECTRIC CO., LTD.	3603 Aava Mobile Oy (FINLAND)	3453 Bad Elf, LLC (USA)	3780 Cradlepoint, Inc. (USA)	3589 FLIR COMMERCIAL SYSTEMS, INC. (USA)
55 SEIKO EPSON CORPORATION	3516 TKR CORPORATION	4040 AB Circle Limited (HONG KONG)	2995 Barco N.V. (BERGIUM)	3458 Cray Inc. (USA)	4046 Formlabs, Inc. (USA)
50 Seiko Instruments Inc.	3952 Tobilta Systems Inc.	1170 AcBel Polytech Inc. (CHINESE TAIPEI)	2085 BARCO, INC. (USA)	4016 CREATIVES5 INC. (CHINESE TAIPEI)	1977 Fortinet, Inc. (USA)
3484 SEIKO Solutions Inc.	179 TOEI ELECTRONICS CO., LTD.	3314 Accedian Networks Inc. (CANADA)	4044 Beijing Ulink Technology Co., Ltd. (CHINA)	3551 Crestron Electronics, Inc. (USA)	2247 Foxlink Technology Ltd. (HONG KONG)
3602 SEITEC CO., LTD.	1399 TOKYO ELECTRON DEVICE NAGASAKI LIMITED	3894 Accelink Technologies Co., Ltd. (CHINA)	2123 Belkin International, Inc. (USA)	4054 CRU Inc. (USA)	3294 Fujian Centerm Information co., Ltd. (CHINA)
777 SEIWA ELECTRIC MFG CO., LTD.	2490 TOMY Company, Ltd.	3945 Access Limited (U.K.)	676 BenQ Corporation. (CHINESE TAIPEI)	2871 CTC Union Technologies Co., Ltd. (CHINESE TAIPEI)	3739 FUJIFILM Visual Sonics, Inc. (CANADA)
514 SEKONIC CORPORATION	2867 TOPPAN FORMS CO., LTD.	379 ACCTON Technology Corp. (CHINESE TAIPEI)	3994 Biamp Systems, LLC (USA)	3978 CTL (USA)	1468 Fujitsu Technology Solutions GmbH (GERMANY)
13 Sharp Corporation	2047 Toppan Printing Co., Ltd.	215 Acer Incorporated (CHINESE TAIPEI)	3982 Big Innovation Company Limited (CHINESE TAIPEI)	2499 Cyber Power Systems, Inc. (CHINESE TAIPEI)	
3338 SHIBUTANI CO., LTD.	2047 Toppan Printing Co., Ltd.	2353 A-DATA Technology Co., Ltd. (CHINESE TAIPEI)	3725 BI-Search International Inc. (USA)	3809 Cyviz AS (NORWAY)	[G]
3167 Shin Shin Co., Ltd.	1669 Topre Corporation	3515 Adtran Inc. (USA)	3833 BIWIN STORAGE TECHNOLOGY CO., LTD. (CHINA)	[D]	3352 Gechic Corporation (CHINESE TAIPEI)
3710 Shin Shin Tech. Co. Ltd.	244 TOSHIBA DIGITAL SOLUTIONS CORPORATION	2952 Advanced Card Systems Limited (HONG KONG)	2964 BizLink Technology Inc. (USA)	2486 D&T Inc. (KOREA)	1524 GEMALTO SA (FRANCE)
193 Shindengen Electric Manufacturing Co., Ltd.	3825 Toshiba Electronic Device & Storage Corporation	1320 ADVANTECH CO., LTD. (CHINESE TAIPEI)	3967 BlackRidge Technology (USA)	3693 Darfon Electronics Corp. (CHINESE TAIPEI)	3954 Genew Technologies Co., Ltd. (CHINA)
2074 SHINJUKU JAPANESE LANGUAGE INSTITUTE	3459 Toshiba Global Commerce Solutions Holdings Corporation	3487 Aerohive Networks, Inc. (USA)	3488 Bluebird Inc. (KOREA)	2033 DASAN Network Solutions, Inc. (KOREA)	1559 GIGA-BYTE TECHNOLOGY CO., LTD. (CHINESE TAIPEI)
73 SHINKO SEISAKUSHO CO., LTD.	37 Toshiba Infrastructure Systems & Solutions Corporation	3419 AISolution (KOREA)	3615 b-plus GmbH (GERMANY)	339 DASAN Zhone Solutions, Inc. (USA)	3890 Gigamon Inc. (USA)
3673 Shinsei Corporation	37 Toshiba Infrastructure Systems & Solutions Corporation	3201 AJA Video Systems Inc. (USA)	1809 Broadcom Corporation (USA)	3251 DataDirect Networks, Inc. (USA)	2945 Global Scanning Denmark A/S (DENMARK)
341 SHINSEI INDUSTRIES CO., LTD.	1939 TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION	3949 ALE International (FRANCE)	2766 Brocade Communications Systems LLC (USA)	131 Datalogic Srl (ITALY)	3443 Global Scanning UK Ltd. (U.K.)
2868 SHOFU INC.	48 TOSHIBA TEC CORPORATION	2383 Alpha Networks Inc. (CHINESE TAIPEI)	3902 BULL SAS (FRANCE)	527 Dell Inc. (USA)	2630 GlobTek, Inc. (USA)
1922 SIGMA CORPORATION	164 TOTOKU ELECTRIC CO., LTD.	3972 AMCS LLC (USA)	[C]	2804 Delphi Display Systems, Inc. (USA)	2419 GOOD WAY TECHNOLOGY CO., LTD. (CHINESE TAIPEI)
434 silex technology, Inc.	797 Touch Panel Systems K.K.	1565 AMD (CANADA)	3755 Cadence Design Systems, Inc. (USA)	568 DELTA ELECTRONICS, Inc. (CHINESE TAIPEI)	3078 Google LLC (USA)
153 SINFONIA TECHNOLOGY Co., LTD.	3018 Transaction Media Networks Inc.	4042 Amino Commuications Ltd (U.K.)	3985 CalDigit Inc. (USA)	3045 Delta Electronics, Inc. (CHINESE TAIPEI)	3824 Goomedi Laboratories, Ltd. (CHINESE TAIPEI)
3854 SINKA Corporation	2269 Transtron Inc.	2988 Amphenol Corporation - Amphenol AssembleTech Division (USA)	3993 Cambricon Technologies Corporation Limited (CHINA)	339 DIGIEVER Corporation (CHINESE TAIPEI)	3905 Gosuncn Technology Group Co., Ltd. (CHINA)
2093 Sknet Corporation Ltd.	4032 TRANZAS, INC.	2873 Ampronix Inc. (USA)	2135 佳能電產香港有限公司 (HONG KONG)	3777 Digital Check Corporation (USA)	3720 G-SMATT Co., Ltd. (KOREA)
3502 Smart Solution Technology, Inc.	2309 Trend Micro Incorporated	683 Amtran Technology Co., Ltd. (CHINESE TAIPEI)	3630 Canon Korea Business Solutions Inc. (KOREA)	1461 DIVA Laboratories, Ltd. (CHINESE TAIPEI)	3920 Guangdong Chuntex Elite Electronic Technology Co., Ltd (CHINA)
795 SMK Corporation	[U]	3674 Apacer Technology Inc. (CHINESE TAIPEI)	3261 Canon Production Printing Netherlands B.V. (THE NETHERLANDS)	448 D-Link Corporation (CHINESE TAIPEI)	[H]
3872 SNK CORPORATION	907 UCHIDA YOKO CO., LTD.	400 APC by Schneider Electric (USA)	3957 Carl Zeiss AG (GERMANY)	3326 DMX, LLC. d/b/a Mood Media (USA)	1918 HARMONIC INC. (USA)
3247 SoftBank Corp.	582 UMEZAWA TECHNICAL LABORATORY CO., LTD.	4039 Appcessori Corporation (USA)	3963 CarVi., Inc. (KOREA)	3723 dnp denmark as (DENMARK)	3759 HFR, Inc. (KOREA)
3676 Soltec. Japan. Limited	2045 UNIADDEX, Ltd.	2656 Applanix Corporation (CANADA)	3449 Castles Technology Co., Ltd. (CHINESE TAIPEI)	3917 DriveScale, Inc. (USA)	3059 HID Global Corporation (USA)
93 SONY CORPORATION	3202 Unipulse Corporation	482 Apple, Incorporated (USA)	3035 CCIC Southern Testing Co., Ltd. (CHINA)	3868 DupliCALL Co., Ltd. (CHINA)	3372 Hitachi Vantara (U.K.)
856 Sony Interactive Entertainment Inc.	3144 Unitech Japan co., Ltd.	3858 Applied Medical Resources Corporation (USA)	3679 Celestica Technology Consultancy (Shanghai) Co., Ltd. (CHINA)	[E]	
3620 Sony Mobile Communications Inc.	2087 UNITEX Corporation	2431 Apricorn, Inc. (USA)	3028 Cell Technology Limited (HONG KONG)	3791 EDGECORE NETWORKS CORPORATION (CHINESE TAIPEI)	
5 SORD CORPORATION	3633 UPS Solutions Co., Ltd.	3027 Arista Networks, Inc. (USA)	2015 Check Point Software Technologies Ltd. (ISRAEL)	2628 Edgewater Networks, Incorporated (USA)	
269 SORITON SYSTEMS K.K.					
521 SOSHIN ELECTRIC CO., LTD.					
4015 Square K.K.					
180 STAR MICRONICS CO., LTD.					
2575 StoreNet Corp.					
97 SUMITOMO ELECTRIC INDUSTRIES, LTD.					
165 Sumitomo Electric System Solutions Co., Ltd.					
1197 Sumitomo Wiring Systems, Ltd.					
1001 SUN CORPORATION					

1724	Hon Hai Precision Industry Co., Ltd. (CHINESE TAIPEI)	3926	LINKFLOW Co., Ltd. (KOREA)	1904	NueTeq Technology, Inc. (CHINESE TAIPEI)	2039	Quanta Storage Inc. (CHINESE TAIPEI)	3447	SteelSeries ApS (CHINESE TAIPEI)	[W]		
3235	Honeywell Safety and Productivity Solutions (SPS) (USA)	495	Lite On Technology Corp. (CHINESE TAIPEI)	3336	Nutanix, Inc. (USA)	1012	Quantum Corporation (USA)	4006	StorCentric, Inc. (USA)	4007	Waltop International Corp. (CHINESE TAIPEI)	
3837	Hong Kong Colorful Yugong Technology Limited (CHINA)	3813	Logic Supply, Inc. (USA)	1423	NVIDIA CORPORATION (USA)	3842	Qucell Networks Co., Ltd. (KOREA)	1498	Stratus Technologies, Inc. (USA)	3829	Warwick Acoustics Limited (U.K.)	
3385	Hon-Kwang Electric Co., Ltd. (CHINESE TAIPEI)	532	Logitech Inc. (USA)	[O]			[R]	3243	Sunix Co., Ltd. (CHINESE TAIPEI)	3852	WAWGD, Inc. d.b.a. Foresight Sports (USA)	
4001	Huaqin Telecom Technology Co., Ltd. (CHINA)	3398	Lookingglass Cyber Solutions (USA)	3871	OCTON INC. (CHINESE TAIPEI)		2407	Radware Ltd. (ISRAEL)	2933	Sunrex Technology Corp (CHINESE TAIPEI)	3666	Weifang GoerTek Electronics Co., Ltd. (CHINA)
4008	Huawei Device Co., Ltd. (CHINA)	2757	Lumentum Operations LLC (USA)	3827	One Stop Systems (USA)		3371	Rakuten Kobo Inc. (CANADA)	1880	SUPER MICRO COMPUTER INC. (USA)	3763	Weihai Daewoo Electronics Co., Ltd. (CHINA)
1968	Huawei Technologies Co., Ltd. (CHINA)	3965	Luxshare Precision Industry Co., Ltd. (CHINA)	3550	Opengear Inc. (USA)		1895	Raritan International B.V. Taiwan Branch (CHINESE TAIPEI)	3792	Suzhou Lehui Display Co., Ltd. (CHINA)	2432	Western Digital Technologies, Inc. (USA)
3625	HUMAX Co., Ltd. (KOREA)	[M]		241	Oracle America, Inc. (USA)		3888	Rein Medical GmbH (GERMANY)	3085	Symantec Corporation (USA)	1718	WIBU-SYSTEMS Aktiengesellschaft (GERMANY)
[I]		1133	Magic Control Technology Corporation (CHINESE TAIPEI)	3916	ORION Co., LTD (KOREA)		3947	REMOTEC TECHNOLOGY LTD. (HONG KONG)	3815	Synology Inc. (CHINESE TAIPEI)	2418	WIDE CORPORATION (KOREA)
3031	I/O INTERCONNECT INC. (CHINA)	3981	MAKERBOT INDUSTRIES, LLC (USA)	3968	ORION DISPLAY Co., Ltd. (KOREA)		3931	RetailNext, Inc. (USA)	[T]		3847	WILK ELEKTRONIK S.A. (POLAND)
560	Identiv, Inc. (USA)	2105	Malvern Instruments Limited (U.K.)	3062	Orion Technology Co., Ltd. (KOREA)		3437	RF Ideas, Inc. (USA)	3838	T.I.T. ENG Co., Ltd. (KOREA)	4052	Wincomm Corporation (CHINESE TAIPEI)
1737	IEI Integration Corp. (CHINESE TAIPEI)	3850	Manufacturing Resources International (USA)	577	Overland Storage Inc. (USA)		2715	RF Window Co., Ltd. (KOREA)	3271	TA Technology (Shanghai) Co., Ltd. (CHINA)	2912	Wins Co., Ltd. (KOREA)
3670	IGEL Technology GmbH (GERMANY)	1182	Marvell Semiconductor Inc. (USA)	3913	Owl Cyber Defense Solutions, LLC (USA)		1558	Ribbon Communications Inc. (USA)	3175	Taiwan BOE Vision-electronic Technology Co., Ltd. (CHINESE TAIPEI)	1767	Wistron Corporation (CHINESE TAIPEI)
1272	IYAMA CORPORTION (THE NETHERLANDS)	359	Matrox Electronic Systems (CANADA)	3657	OXTI CORPORATION (CHINESE TAIPEI)		2377	Rimage Corporation (USA)	4043	Tatung Technology Inc. (CHINESE TAIPEI)	3423	Wiwynn Corporation (CHINESE TAIPEI)
2368	Imaging Business Machines, LLC (USA)	3639	Matterport, Inc. (USA)	[P]			2529	Riverbed Technology (USA)	4043	TCL OVERSEAS ELECTRONICS (HUIZHOU) CO., LTD. (CHINA)	3667	Wurldtech Security Technologies (CANADA)
3591	Imperva, Inc. (ISRAEL)	3278	MBX Systems (USA)	3904	PAKERS CO., LTD (KOREA)		3076	Robert Bosch Taiwan Co., Ltd. (CHINESE TAIPEI)	3867	Tempered Networks, Inc. (USA)		[X]
3998	Impossible B.V. (THE NETHERLANDS)	1090	McAfee, LLC. (USA)	3441	Palo Alto Networks Inc. (USA)		3389	RSUPPORT CO., LTD. (KOREA)	2943	Teradata Corporation (USA)	3359	XAC Automation Corporation (CHINESE TAIPEI)
4027	IMTSOFT (KOREA)	3930	McDowell Signal Processing, LLC (dba McDSP) (USA)	3434	Panasas, Inc. (USA)		2480	Ruckus Wireless, Inc. (USA)	3782	Thales DIS CPL USA, Inc. (USA)	2827	Xerox Corporation (USA)
2664	Infinera Corporation (USA)	2863	Mellanox Technologies, Ltd. (ISRAEL)	2372	Panduit Corp. (USA)		[S]		3120	Thecus Technology Corp. (CHINESE TAIPEI)	3900	Xiamen Intretech Inc. (CHINA)
2472	INFOBLOX (USA)	3442	Meraki, Inc. (USA)	1808	PARTNER TECH CORP. (CHINESE TAIPEI)		2750	SAMPO Corporation Ltd (CHINESE TAIPEI)	3719	THINKWARE CORPORATION (KOREA)	3912	XILINX, INC. (USA)
3421	Ingenico Inc. (USA)	3921	Microchip (ISRAEL)	3974	PAX Computer Technology (Shenzhen) Co., Ltd. (CHINA)		271	SAMSUNG ELECTRONICS Co.,Ltd. (KOREA)	3466	Tigo Energy, Inc. (USA)	3538	XYZprinting, Inc. (CHINESE TAIPEI)
3831	Ingrasys Technology Inc. (CHINESE TAIPEI)	3102	Micron Technology, Inc. (USA)	3360	PC WORTH INT'L CO., LTD. (CHINESE TAIPEI)		3627	Sanmina Corp (USA)	3713	Tintri by DDN, Inc. (USA)		[Z]
4033	Inspire Mobile (KOREA)	1639	Microsemi (ISRAEL)	2869	PEGATRON CORPORATION (CHINESE TAIPEI)		1416	Seagate Cloud Systems, Inc. (USA)	3626	Tobii AB (SWEDEN)	1143	Zebra Technologies Corporation (USA)
3460	Interconnect System Inc. (USA)	3786	Microsemi Frequency & Time Corporation (USA)	3996	Pensando Systems, Inc. (USA)		3046	Seagate Technology (USA)	1601	Top Victory Electronics Co., Ltd. (CHINESE TAIPEI)	1229	Zebra Technologies Corporation (USA)
3519	Interface Masters Technologies, Inc. (USA)	768	MICROSOFT CORPORATION (USA)	3851	PERVASIVE DISPLAYS INC. (CHINESE TAIPEI)		2552	SEH Computertechnik GmbH (GERMANY)	3652	TP-LINK Technologies Co., Ltd. (CHINA)	3499	ZIN CORPORATION Co., Ltd. (KOREA)
378	Inventec Corporation (CHINESE TAIPEI)	1573	Micro-Star International Co., Ltd. (CHINESE TAIPEI)	2614	Philips & Lite-On Digital Solutions Corp. (CHINESE TAIPEI)		3239	SendTek Corporation (CHINESE TAIPEI)	3542	TransAct Technologies Incorporated (USA)	3729	ZPE Systems (USA)
4049	InVue Security Products, Inc. (USA)	3632	Milestone Systems A/S (DENMARK)	2181	PIOLINK, Inc. (KOREA)		3986	Sequent Ltd. (SWITZERLAND)	3695	Trenton Systems (USA)	3956	ZT GROUP INT'L, INC. (USA)
2947	IPEVO Corp (CHINESE TAIPEI)	1433	MITAC COMPUTING TECHNOLOGY CORPORATION (CHINESE TAIPEI)	3925	Pismo Labs Technology Limited (HONG KONG)		481	SerComm Corporation (CHINESE TAIPEI)	4018	Trimble INC. (USA)	3354	ZTE Corporation (CHINA)
[J]		1896	MitraStar Technology Corporation (CHINESE TAIPEI)	4025	Pittasoft Co., Ltd. (KOREA)		3219	Shenzhen Bitland Information Technology Co., Ltd. (CHINA)	3781	Trustwave Holdings, Inc. (USA)	3646	ZUNIDATA SYSTEMS INC. (CHINESE TAIPEI)
4047	Jabil Inc. (USA)	3961	MONITORAPP Co., Ltd. (KOREA)	3878	PixMob (CANADA)		3999	Shenzhen Horion Intelligent Technology CO., LTD (CHINA)	3761	Turtle Beach Europe, Ltd. (CHINESE TAIPEI)	2596	Zylux Acoustic Corporation (CHINESE TAIPEI)
3779	JiranSecurity Co., Ltd. (KOREA)	3529	Moxa Inc. (CHINESE TAIPEI)	2524	Plantronics Inc. (USA)		3991	SHENZHEN HYUNION ELECTRONICS CO., LIMITED (CHINA)	3565	Twinhead International Corp. (CHINESE TAIPEI)		
1164	Juniper Networks, Inc. (USA)	[N]		3642	PNY TECHNOLOGIES Asia Pacific Limited (CHINESE TAIPEI)		4026	Shenzhen NearbyExpress Technology Development Company Limited (CHINA)	[U]			
[K]		3778	Nacon (HK) Ltd (HONG KONG)	578	Polycom, Inc. (U.K.)		3618	Shuttle Inc. (CHINESE TAIPEI)	4045	Ufi Space Co., Ltd. (CHINESE TAIPEI)		
3754	Kaga(H.K.) Electronics Limited (HONG KONG)	3002	NDS Surgical Imaging (USA)	3559	Portwell, Inc. (CHINESE TAIPEI)		2306	Silicom Ltd. (ISRAEL)	3975	Umbo CV Inc. (CHINESE TAIPEI)		
3683	Kaonmedia Co., LTD. (KOREA)	3855	Nebbiolo Technologies Inc. (USA)	3146	Power Quotient International Co., Ltd. (CHINESE TAIPEI)		2535	Silver Peak Systems, Inc. (USA)	886	Universal Global Scientific Industrial Co., Ltd. (CHINESE TAIPEI)		
3339	Katron Technologies Inc. (CHINESE TAIPEI)	3828	NEOFECT Co., Ltd. (KOREA)	2062	POWERCOM CO., LTD. (CHINESE TAIPEI)		3131	SK hynix Inc. (KOREA)	3875	UPG Company LLC (USA)		
3325	Kent Displays, Inc. (USA)	1687	NetApp, Inc. (USA)	3374	Pride Tech Corporation (CHINESE TAIPEI)		3979	Skytech Creations Limited (HONG KONG)	[V]			
2845	Kingston Digital, Inc. (USA)	1418	NETGEAR, Inc. (USA)	851	Primax Electronics Ltd. (CHINESE TAIPEI)		3979	Skytech Creations Limited (HONG KONG)	3990	ValueHD Corporation (CHINA)		
3906	Knectek Labs Inc. (CANADA)	1533	Netronix Inc. (CHINESE TAIPEI)	4034	Prinker Korea Inc. (KOREA)		2276	SMART Embedded Computing, Inc. (USA)	3984	VC Inc. (KOREA)		
3574	Konftel AB (SWEDEN)	3712	Netronome Systems, Inc. (USA)	1910	PROMISE TECHNOLOGY, INC. (CHINESE TAIPEI)		1960	SMART Modular Technologies, Inc. (USA)	3988	Verico International Co., LTD. (CHINESE TAIPEI)		
[L]		667	NetScout Systems, Inc. (USA)				2501	SMART Technologies ULC (CANADA)				
3924	Lanner Electronics Inc. (CHINESE TAIPEI)	1316	Network Engines Inc, DBA "NEI", & DBA "Unicom Engineering Inc." (USA)	3726	PSi Laser GmbH (GERMANY)		3384	SMEC CO., LTD. (KOREA)	3668	Veritas Technologies LLC (USA)		
2152	Lantronix, Inc. (USA)	3865	NETWORK INTEGRITY SYSTEMS (USA)	3658	Pulse Secure, LLC (USA)		3631	SoftBank Robotics Europe (FRANCE)	3969	VERSA NETWORKS (USA)		
3454	LCFC (Hefei) Electronics Technology Co., Ltd. (CHINA)	2608	New H3C Technologies Co., Ltd. (CHINA)	3818	Pure Storage Inc. (USA)		2597	Solace Corporation (CANADA)	585	Vertiv IT Systems, Inc. (USA)		
740	LEADTEK RESEARCH INC. (CHINESE TAIPEI)	3362	Newline Interactive Inc. (CHINESE TAIPEI)				3880	SolarEdge Technologies Ltd. (ISRAEL)	3003	ViaSat, Inc. (USA)		
3500	Legrand AV (C2G A Brand of Legrand) (USA)	1961	NEXCOM International Co., LTD. (CHINESE TAIPEI)	[Q]			3279	Solarflare Communicaitons Inc. (U.K.)	2595	ViaScope Inc. (KOREA)		
1342	LEICA CAMERA AG (GERMANY)	3798	NextDrive Co., LTD. (CHINESE TAIPEI)	4011	Qbic Technology Co., Ltd. (CHINESE TAIPEI)		4050	SOLID STATE STORAGE TECHNOLOGY CORPORATION (CHINESE TAIPEI)	3613	ViewSonic International Corporation (CHINESE TAIPEI)		
674	Lexmark International, Inc. (USA)	3640	Nokia of America Corporation (USA)	2841	Qisda Corporation (CHINESE TAIPEI)		794	SOLID YEAR CO.,LTD. (CHINESE TAIPEI)	3194	Vigilent Corporation (USA)		
256	LG Electronics Inc. (KOREA)	308	Nokia-Global Product Compliance Laboratory (USA)	3162	QNAP Systems, Inc. (CHINESE TAIPEI)		3158	SOLID, Inc. (KOREA)	3439	Virtual Instruments Corporation (USA)		
3885	Lifesize Inc. (USA)	3997	Nozomi Networks Inc. (USA)	2261	Qualys Inc. (USA)		3773	SonicWall Inc. (USA)	2443	VIVOTEK INC. (CHINESE TAIPEI)		
4031	LILLYCOVER Co., Ltd. (KOREA)	3139	NT-ware Systemprogrammierung GmbH (GERMANY)	3623	Quanta Cloud Technology Inc. (CHINESE TAIPEI)		3208	Sonos, Inc. (USA)	3730	Vmware, Inc. (USA)		
				726	QUANTA COMPUTER INC. (CHINESE TAIPEI)		3249	Sophos Ltd. (U.K.)	3291	Voyetra Turtle Beach, Inc. (USA)		
							3650	Spectra Logic Corporation (USA)	3125	Vuzix Corporation (USA)		
							3752	ST Engineering iDirect, Inc. dba iDirect (USA)				

Supporting Members

<Japanese>

No. Company Name

	[A]
3740	AKITA Industrial Technology Center
3196	ANRITSU CUSTOMER SUPPORT CO., LTD.
4003	AXELL CORPORATION
	[C]
1192	Chiba Industry Advancement Center Tokatsu Techno Plaza
1846	Chokuan Information and Industry Development Association
755	COSMOS CORPORATION
	[D]
3807	DENSO EMC ENGINEERING SERVICE CORPORATION
348	DMG MORI B.U.G. CO., LTD.
	[E]
997	E&C Engineering K.K.

1263 Ehime Institute of Industrial Technology	[N]	4010 Applied Test Lab Inc. (CANADA)	[D]	3598 Intertek Testing Services Ltd., Shanghai (CHINA)	2621 Shanghai Institute of Measurement and Testing Technology EMC Lab. (CHINA)
259 EMC Japan Corporation	352 Nagano Prefectural General Industrial Technology Center Precision. Electronics & Aviation Technology Department	2186 APPLUS+ LGAI (SPAIN)	270 D.L.S. Electronic Systems, Inc. (USA)	324 Intertek Testing Services NA Inc. (USA)	3525 Shenzhen Academy of Metrology and Quality Inspection (CHINA)
300 e-OHTAMA, LTD.	3592 NIPPON SEIKI CO., LTD.	966 Atlas Compliance & Engineering, Inc. (USA)	1153 DEKRA Testing and Certification Co., Ltd. (CHINESE TAIPEI)	1253 Intertek Testing Services Taiwan Ltd. (CHINESE TAIPEI)	3826 Shenzhen BALUN Technology Co., Ltd. (CHINA)
1906 ETS-Lindgren Japan, Inc.	3562 NISSEI ELECTRIC CO., LTD.	1257 AUDIX Technology (Shanghai) Co., Ltd. (CHINA)	910 DELTA a part of FORCE Technology (DENMARK)	3685 ITC Engineering Services, Inc. (USA)	2257 Shenzhen FuGui Precision Industry Co., Ltd. (CHINA)
[F]	684 NOISE LABORATORY CO., LTD.	638 Audix Technology (Shenzhen) Co., Ltd. (CHINA)	3207 DSTech Co. (KOREA)		
2865 FUJIFILM Techno Products Co., Ltd.	2689 Noritz Corporation	2653 Audix Technology (Wujiang) Co., Ltd. (CHINA)	1722 DT&C Co., Ltd. (KOREA)	[J]	
1115 FUJITSU GENERAL EMC LABORATORY LIMITED		237 Audix Technology Corporation (CHINESE TAIPEI)		2746 Jiangsu Electronic Information Product Quality Supervision & Inspection Institute (CHINA)	2218 Shenzhen Huatongwei International Inspection Co., Ltd. (CHINA)
3893 Fukushima medical device industry promotion agency	[O]	[B]	3561 EKTOS Testing & Reliability Services A/S (DENMARK)	3462 JNDL Laboratory CO., LTD. (KOREA)	3884 Shenzhen Morlab Communications Technology Co., Ltd. (CHINA)
575 Fukushima Technology Centre	3568 OHTAMA CALIBRATION SERVICE Co., Ltd.	4036 Bay Area Compliance Laboratories (Chengdu) (CHINA)	1607 Electrical and Electronics Institute (EEI), Thailand (THAILAND)	[K]	3641 Shenzhen TCT Testing Technology Co., Ltd. (CHINA)
[G]	3862 Oita Industrial Research Institute	981 Bay Area Compliance Laboratories Corp. (USA)	922 ELECTRO MAGNETIC TEST, INC. (USA)	1980 KCTL Inc. (KOREA)	3071 SINGAPORE EPSON INDUSTRIAL PTE LTD (SINGAPORE)
1007 GE Healthcare Japan Corporation	898 OKI ENGINEERING CO., LTD.	3929 Bay Area Compliance Laboratories Corp. (Kunshan) (CHINA)	2870 ElectroMagnetic Investigations, LLC (USA)	3669 KES Co., Ltd. (KOREA)	1411 SK Tech Co., Ltd. (KOREA)
4041 Gifu Prefectural Industry Technology Center	4055 Osaka Research Institute of Industrial Science and Technology	3776 Bay Area Compliance Laboratories Corp. (Taiwan) (CHINESE TAIPEI)	277 Electronics Testing Center, Taiwan (CHINESE TAIPEI)	3465 Keystone Compliance, LLC (USA)	842 Spectrum Research & Testing Laboratory Inc. (CHINESE TAIPEI)
[H]	[P]	3387 Bay Area Compliance Labs Corp., (ShenZhen) (CHINA)	564 Element Materials Technology Portland-Evergreen Inc. (USA)	2005 KOSTEC Co., Ltd. (KOREA)	466 Sporton International Inc. (CHINESE TAIPEI)
423 HIROSHIMA-TECHNOPLAZA CORPORATION	2024 Panasonic Co., Ltd.	3940 Beijing Boomwave Test Service Co., Ltd. (CHINA)	657 Element Materials Technology Warwick Ltd. (U.K.)	[L]	3096 Standard Bank Co., Ltd. (KOREA)
1823 Hitachi High-Technologies Corporation	608 Panasonic System Networks Evaluation Technology Co., Ltd.	672 BTL Inc. (CHINESE TAIPEI)	785 EMC Technologies Pty Ltd. (AUSTRALIA)	3656 Lab-T, Inc. (KOREA)	3811 Suzhou Science Standard Testing Co., LTD. (CHINA)
2207 Hitachi Information & Telecommunication Engineering, Ltd. EMC Center	2923 PFU TECHNOCONSUL Limited	2709 BTL Inc. (CHINA)	1409 EMCCCons DR. RASEK GmbH & Co. KG (GERMANY)	3533 LCIE Bureau Veritas (FRANCE)	
3937 Hokkaido Research Organization, Industrial Research Institute	[R]	3859 BTL Inc. (CHINA)	2210 EMITECH Angers (FRANCE)	2411 LTA Co., Ltd. (KOREA)	[T]
[I]	2285 Radio Engineering & Electronics Association	4021 BUREAU VERITAS ADT (SHANGHAI) CORPORATION (CHINA)	2893 EMTEK (Shenzhen) Co., Ltd. (CHINA)	[M]	4014 Tarang labs- Product Qualification and Compliance Planet, Wipro Ltd. (INDIA)
3234 Industrial Research Institute of Niigata Prefecture	1398 RAKURYOU TECHNICA CO., LTD.	818 Bureau Veritas Consumer Products Services (USA)	719 EMV TESTHAUS GMBH (GERMANY)	757 MET Laboratories, Inc. (USA)	658 Test Site Services (USA)
397 Industrial Research Institute of Shizuoka Prefecture Hamamatsu Technical Support Center	485 RIKEN ENVIRONMENTAL SYSTEM Co., Ltd	2213 Bureau Veritas Consumer Products Services Germany GmbH (GERMANY)	3270 EST Technology Co., Ltd. (CHINA)	2959 MiCOM Labs (USA)	3379 The Compliance Management Group (CMG) (USA)
742 Industrial Technology Center of OKAYAMA Pref.	2759 Rohde & Schwarz Japan K.K.	395 Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)	3470 ESTECH Co., Ltd. (KOREA)	3575 MRT Technology (Suzhou) Co., Ltd. (CHINA)	1328 The Hong Kong Standards and Testing Centre Ltd. (HONG KONG)
2264 Industrial Technology Center of Tochigi Prefecture	1337 Roland Corporation	3081 Bureau Veritas Consumer Products Services, Inc. (USA)	1474 ETL Inc. (KOREA)		831 The Standards Institution of Israel (SII) (ISRAEL)
1213 Industrial Technology Institute, Miyagi Prefectural Government	[S]	2115 Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch (CHINA)	1062 Eurofins York (U.K.)	[N]	916 3C Test Ltd (U.K.)
999 Intertek Japan K.K.	3446 Samoto & Associates, Ltd.	3772 BV 7Layers Communications Technology (Shenzhen) Co., Ltd. (CHINA)		1211 National Technical Systems (USA)	3241 TPV Display Technology (Xiamen) Co., Ltd. (CHINA)
579 IPS Corporation	2906 SELA Corporation	4013 BV CPS ADT Korea Ltd. (KOREA)	[F]	3220 Nemko AS (NORWAY)	2697 TUV Rheinland (Guangdong) Ltd. (CHINA)
2227 ISHIKAWA Co., Ltd.	2563 SGS Japan Inc.	[C]	3636 F Squared Engineering Corp dba F2 Labs (USA)	642 Nemko Canada Inc. (CANADA)	4004 TUV Rheinland (Shanghai) Co., Ltd. (CHINA)
3649 Iwate Industrial Research Institute	3274 Shimane Insutitute Industrial Technology	1847 Central Research Technology Co. (CHINESE TAIPEI)		2118 Nemko Korea Co., Ltd. (KOREA)	1097 TUV Rheinland of North America (USA)
[J]	1849 Sony Global Manufacturing & Operations Corporation	3177 Centre Testing International Group Co., Ltd. (CHINA)	[G]	4009 Nemko S.p.A. (ITALY)	4020 TÜV Rheinland Sweden AB (SWEDEN)
3619 Japan Automobile Research Institute	[T]	2216 Cerpass Technology Corporation (CHINESE TAIPEI)	2778 Global Certification Corp. (CHINESE TAIPEI)	720 Nemko USA Inc. (USA)	3252 TUV Rheinland Taiwan Ltd. (CHINESE TAIPEI)
792 JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES	346 TDK-Lambda Corporation	2783 CETECOM GmbH (GERMANY)	708 Global EMC Standard Tech. Corp. (CHINESE TAIPEI)	3928 NTREE Co., Ltd. (KOREA)	129 TUV SUD America Inc. (USA)
3891 Japan Gas Appliances Inspection Association	996 Tokin EMC Engineering Co., Ltd.	3944 CETECOM, Inc. (USA)	3498 Guangdong Keyway Testing Technology Co., Ltd. (CHINA)		2003 TUV SUD Canada (Ottawa) (CANADA)
140 JEL Limited	1098 TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	3812 China Academy of Information and Communications Technology (CHINA)	2092 Gumi University EMC Center (KOREA)	[P]	2718 TUV SUD Canada Inc. (CANADA)
[K]	943 Toshiba Carrier Engineering & Life Support Corp.	555 Chomerics Test Services (USA)		656 PCTEST Engineering Laboratory, Inc. (USA)	433 TUV SUD Ltd. (U.K.)
1251 Kagawa Industry Support Foundation (NEXT KAGAWA)	3283 Toyama Industrial Technology Research and Development Center	2765 CHUNGBUK TECHNOPARK (KOREA)	[H]	409 Professional Testing (EMI), Inc. (USA)	542 TUV SUD PSB Pte Ltd. (SINGAPORE)
689 Kanagawa Institute of Industrial Science and Technology	995 TOYO Corporation	213 CKC Laboratories, Inc. (USA)	3606 Hangzhou TDT Technologies Co., Ltd. (CHINA)	[Q]	
187 KITAGAWA INDUSTRIES CO., LTD.	3396 Toyota Industries Corporation	1938 Compliance Certification Services (KunShan) Inc. (CHINA)	264 HCT Co., Ltd. (KOREA)	[O]	3148 UL International-Singapore Pte Ltd (SINGAPORE)
3569 KYB Corporation	811 TUV Rheinland Japan Ltd.	710 Compliance Certification Services Inc. (CHINESE TAIPEI)	592 Hermon Laboratories Ltd. (ISRAEL)	782 ONETECH Corp. (KOREA)	596 UL LLC (USA)
3304 Kyoritsu Electric Corporation	240 TUV SUD Japan Ltd.	3168 Compliance Worldwide, Inc. (USA)	1814 Hong An Technology CO., LTD. (CHINESE TAIPEI)		3793 UL Verification Services (Guangzhou) Co., Ltd., Song Shan Lake Branch (CHINA)
3934 KYOTO INSTITUTE OF TECHNOLOGY	[U]	3330 Core Compliance Testing Services, LLC (USA)	3070 Hong Fu Jin Precision Electrons (Yantai) Co., Ltd. (CHINA)	[R]	376 UL Verification Services Inc. (USA)
[L]	474 UL Japan, Inc	332 CSA Group bayern GmbH (GERMANY)	1145 HURSLEY EMC SERVICES LTD (U.K.)	689 Radiometrics Midwest Corporation (USA)	1309 Ultratech Engineering Labs Inc. (CANADA)
1370 Labotech International Co., Ltd.	[W]	2981 CSA Group Testing & Certification Inc. (CANADA)	892 Hyundai C-Tech, Inc. dba HCT America, Inc. (USA)	1908 RETLIF Testing Laboratories (USA)	3834 Underwriters Laboratories Taiwan Co., Ltd. (CHINESE TAIPEI)
[M]	260 WAVE CORPORATION	1208 CTK Co., Ltd. (KOREA)		[S]	4012 Unified Compliance Laboratory (USA)
1301 Minami-Shinsyu Iida Industry Center	[Y]		[I]	4037 SERTC Testing Center Corporation Limited (CHINESE TAIPEI)	[U]
1438 Miyazaki Prefecture Industrial Technology Center	150 YAZAKI CORPORATION		821 I.T.L. (PRODUCT TESTING) LTD (ISRAEL)		
2973 M-System Co., Ltd.	<Overseas>		3452 International Certification Corp. (CHINESE TAIPEI)	[Q]	3581 Wendell Industrial Co., Ltd. (CHINESE TAIPEI)
	No. Company (Country or Region Name)		243 International Standards Laboratory Corp. (CHINESE TAIPEI)	3718 QAI Laboratories, Ltd. (CANADA)	3750 WH Technology Corp. (CHINESE TAIPEI)
	[A]		1349 Interocean EMC Technology Corp. (CHINESE TAIPEI)	1798 QualiTech, EMC Lab. (ISRAEL)	2450 Worldwide Testing Services (Taiwan) Co., Ltd. (CHINESE TAIPEI)
	3034 A Test Lab Techno Corp. (CHINESE TAIPEI)				
	4053 AA Electro Magnetic Test Laboratory Private Limited (INDIA)				

As of March 31, 2020

» Settlement of Accounts for FY 2019

(Statement of net assets)

From April 1, 2019 to March 31, 2020

Item	Current Fiscal Year	Previous Fiscal Year	Increase or Decrease
I. Statement of general net assets			
1. Ordinary increase and decrease			
(1) Ordinary earnings			
① Admission fees received	(4,200,000)	(4,350,000)	(△ 150,000)
Admission fees received	4,200,000	4,350,000	△ 150,000
② Membership fees received	(241,500,000)	(240,200,000)	(1,300,000)
Membership fees received	241,500,000	240,200,000	1,300,000
③ Earning on enterprise fees	(19,240,000)	(18,555,000)	(685,000)
Site registration fees	12,640,000	13,763,000	△ 1,123,000
Seminar enrollment fees	6,600,000	4,792,000	1,808,000
④ Miscellaneous earnings	(1,378,496)	(1,160,014)	(218,482)
Miscellaneous earnings	1,378,496	1,160,014	218,482
Total ordinary earnings	266,318,496	264,265,014	2,053,482
(2) Ordinary expenditure			
① Enterprise expenditure	(219,255,724)	(211,841,233)	(7,414,491)
Labor	61,337,251	55,750,180	5,587,071
Enterprise overhead	47,465,969	46,282,646	1,183,323
Operating expenditure	4,356,361	3,370,475	985,886
Standards setting	16,227,497	14,989,506	1,237,991
Technical education and training	5,708,952	4,043,408	1,665,544
Market surveillance	26,179,984	26,935,074	△ 755,090
International relations operation	5,541,567	5,902,220	△ 360,653
Public relations	15,538,006	16,459,684	△ 921,678
Site registration expenditure	28,221,337	29,600,000	△ 1,378,663
Transfer to bonus reserve fund	5,372,000	5,401,000	△ 29,000
Transfer to retirement allowance reserve fund	2,634,800	2,435,040	199,760
Transfer to officers' retirement bonus reserve fund	672,000	672,000	0
② Administrative expenditure	(30,108,117)	(29,437,377)	(670,740)
Labor	13,764,655	13,937,535	△ 172,880
Housekeeping	14,173,762	13,373,082	800,680
Transfer to bonus reserve fund	1,343,000	1,350,000	△ 7,000
Transfer to retirement allowance reserve fund	658,700	608,760	49,940
Transfer to officers' retirement bonus reserve fund	168,000	168,000	0
Total ordinary expenditure	249,363,841	241,278,610	8,085,231
Current fiscal year ordinary increase and decrease amount	16,954,655	22,986,404	△ 6,031,749

(Unit: Japanese yen)

Item	Current Fiscal Year	Previous Fiscal Year	Increase or Decrease
General net assets before tax	16,954,655	22,986,404	△ 6,031,749
Corporation tax, residential tax, and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	16,884,655	22,916,404	△ 6,031,749
Balance of general net assets at the beginning of the term	384,207,155	361,290,751	22,916,404
Balance of general net assets at the end of the term	401,091,810	384,207,155	16,884,655
II. Balance of net assets at the end of the term	401,091,810	384,207,155	16,884,655

» VLAC (Voluntary EMC Laboratory Accreditation Center)

VLAC was established in April 1999 by VCCI as an independent organization providing laboratory accreditation. VLAC accredits laboratories by inspecting whether they conform to international standards "ISO/IEC17025". The scope of accreditation covers emissions from multimedia devices demanded by VCCI, as well as laboratories focusing on: EMC testing (electrical and electronic devices, electrical devices for medical use, on-board electrical equipment for cars, railways, ships, and elevators, etc.), performance testing of telecommunications terminal equipment, electromagnetic field exposure testing, performance testing of wired communication terminals, air-conducted noise testing, power consumption testing of home-use electronic equipment, and safety testing of medical equipment and others. Laboratories accredited by VLAC are recognized anywhere in the world because VLAC is a signatory organization of ILAC MRA. Such laboratories enjoy the privilege of fast registration with VCCI free of charge simply by sending their certificate to the VCCI website. As of the end of FY 2019, 47 testing sites of 37 laboratories have been accredited by VLAC. For details, see the VLAC website: <https://www.vlac.co.jp/>.



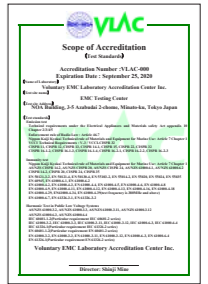
ILAC Combined MRA Mark



Certificate of Accreditation

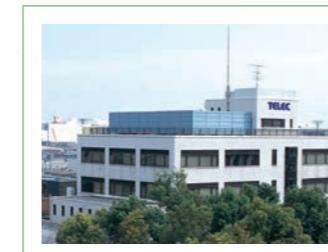


Scope of Accreditation (Measurement Method)



Scope of Accreditation (Test Standards)

» VCCI Commissioned Testing Laboratories



TELEC (Telecom Engineering Center) - EMC Laboratory

URL : <http://www.telec.or.jp/>

Street address: 5-7-2 Yashio, Shinagawa-ku, Tokyo, Japan 140-0003

TELEC is a testing and accreditation body that performs Technical Regulations Conformity Certification and Construction Design Certification defined in the Radio Act, engages in work as a notified body accredited through MRA with the EU, calibrates measurement instruments as a designated calibration agency, tests radio facilities, and more. TELEC is accredited as an ISO/IEC 17025 laboratory by VLAC and can test EMC, RF and extremely low-power radio facilities, and conduct tests for Wi-SUN certification within the specified scope. Additionally, TELEC performs SAR tests, tests WPT facilities and various facilities using high frequencies, and measures antenna characteristics and a variety of electromagnetic fields in open sites.



JQA (Japan Quality Assurance Organization) - Saito Electromagnetic Environment Testing Laboratory

URL : <http://www.jqa.jp/>

Street address: 7-3-10 Saito-Asagi, Ibaraki-shi, Osaka-fu, Japan 567-0085

JQA is a fair and neutral third-party organization providing services such as: Inspection and registration of quality management systems such as ISO 9001 and environment management systems such as ISO 14001, electromagnetic environment testing, product safety certification, measurement device calibration, and certification of daily-life service robots. The Saito laboratory is the biggest of JQA's electromagnetic environment testing laboratories, and also deals with information, medical, and home appliances, and car- and ship-mounted equipment. JQA is also capable of testing radio equipment in Japan and overseas. JQA testing facilities are registered as qualified by VCCI and accredited by VLAC under ISO/IEC17025.

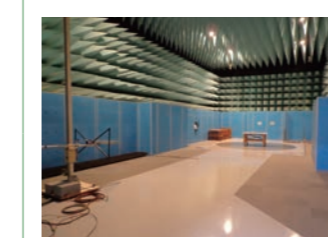


KEC (KEC Electronic Industry Development Center) - Testing Division

URL : <https://www.kec.jp/>

Street address: 3-2-2 Hikaridai, Seikacho, Sourakugun, Kyoto-fu, Japan 619-0237

KEC is accredited as an ISO/IEC 17025 laboratory (by VLAC, JAB, and A2LA) and performs high-quality, reliable tests as INARTE-certified engineers assuredly support EMC testing for electrical and electronic devices for home, industries, medicine, cars and aircraft, and defense-related equipment, as well as evaluation testing for radio equipment and product safety testing for home appliances. In addition, KEC has JIS Q 17043 Proficiency Testing Provider Accreditation and offers highly-reliable EMC proficiency testing to ensure the management and improvement in the quality of laboratory accreditation and EMC testing.



Intertek Japan - Kashima Testing Laboratory

URL : <http://ew.intertek-jpn.com/>

Street address: 298-6 Sada, Kashima-shi, Ibaraki Prefecture, Japan 314-0027

Intertek Japan runs five testing sites in Japan, and is accredited by VLAC, NVLAP, and IECCE, among others. The laboratory provides EMC testing and accreditation for consumer, industry, medical, automobile, military, aviation, and telecommunications equipment, and specification and calibration services for various testing equipment. Intertek Japan also provides product safety testing, factory inspections, overseas safety certification, and various agent application and other services for telecommunications equipment. The Kashima laboratory, with its anechoic chamber and open site, has been engaged in EMC testing, mainly of consumer equipment, since 1984.

NOA Bldg.



Headquarters

VCCI Council
7F NOA Bldg., 2-3-5, Azabudai, Minato-ku,
Tokyo, Japan 106-0041
TEL.+81-3-5575-3138 FAX.+81-3-5575-3137

Participating organizations

Japan Electronics and Information
Technology Industries Association (JEITA)
Japan Business Machine and Information
System Industries Association (JBMIA)
Communications and Information network
Association of Japan (CIAJ)

As of March 31, 2020

