



VCCI Council
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ANNUAL REPORT

English



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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

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| <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> |
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» Greetings

Thank you for your continuing support for the activities of VCCI Council.

This is a report on our activities in FY 2020.

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 COVID-19 pandemic, VCCI has adopted a teleworking approach. We apologize for the inconvenience this may be causing some of you. However, we also believe that the online working environments that we put in place to promote teleworking can actually provide some additional convenience for our members. For FY 2021, we are looking at ways to restart practical hands-on trainings (canceled in FY 2020) if the COVID-19 status permits, while continuing the teleworking approach. If you have any suggestions for improvement, or any general comments, feel free to contact us.

In order to curtail the spread of novel coronavirus infections, a wide variety of approaches have been implemented in full scale. These include limited outdoor activity, and 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.

In October 2020, CEATEC 2020 (the world's largest general exhibition of a "super-smart society" (Society 5.0) with the "CEATEC – Toward Society 5.0 with the New Normal" theme) showcased many highly creative and marketable ideas for promoting digital transformation in our society under the New Normal. Such efforts included technologies, products, services, software, components, and devices that are expected to contribute to advancements in lifestyle, society, business, and industry for the next generation.

Meanwhile, as networks become increasingly sophisticated and use of radio communication diversifies, we are tackling the ever-increasing importance of ensuring security and protection of personal information, as well as VCCI's role in developing clean electromagnetic environments.

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 Council 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



VCCI Council
President:

KAWAKAMI Keiichi

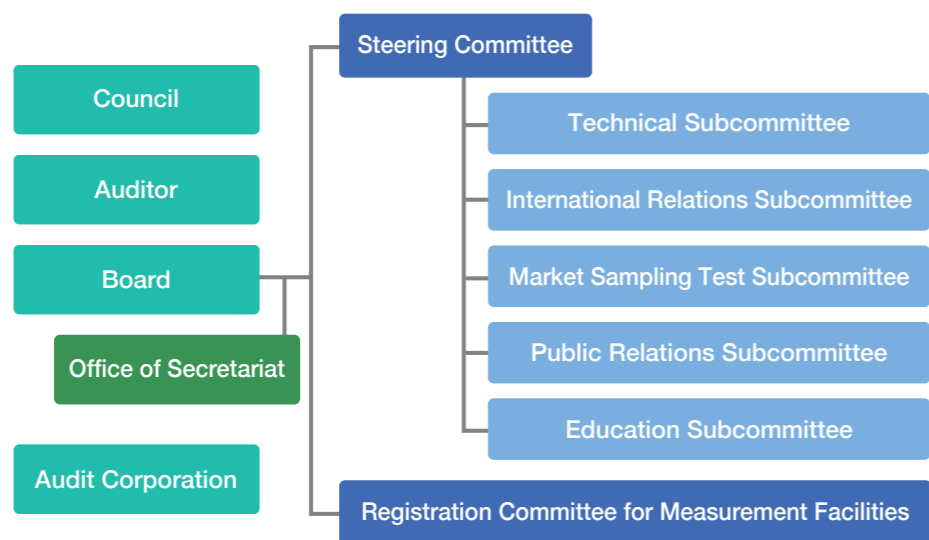
Internal Affairs and Communications reported in December 2015. The standards for multimedia device emissions were issued to integrate the individual standards for IT devices and AV equipment. VCCI Council issued the new VCCI regulations based on these new international standards in November 2016, and 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. As of April 2019, only the new rules apply. As the volume of conformity verification reports has increased, and market sampling tests reveal that the rules are being observed in most cases, we assume that all VCCI members have made a smooth transition to the new rules. We will continue to enhance the guide for the rules and promote on-demand dissemination of information.

Improving awareness of the VCCI mark worldwide and contributing to international standards for electromagnetic interference are an important part of VCCI Council work in promoting voluntary control. Every year, VCCI holds an International Forum, inviting speakers from overseas electromagnetic interference regulatory authorities. VCCI also runs overseas workshops, and exchanges views with overseas regulatory authorities. In FY 2020, these activities were managed through on-demand distribution of videos and other media/materials. Annually, we compile research results obtained through our membership activities into papers for presentation at relevant overseas conferences. One such technical paper was published in an IEEE journal in fiscal 2020. VCCI Council 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, both overseas and in Japan. Domestically, VCCI has held an on-demand seminar as the Info-Communication Promotion Month event hosted by the Ministry of Internal Affairs and Communications. VCCI has also provided technical training to engineers working with electromagnetic interference and improved awareness of the VCCI mark through relevant online training courses, promotion of educational activities, and PR 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 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

■ Chairman of Councilor

TOKUDA Masamitsu

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

■ Councilor

IZUMI Kazuo (until June 29, 2021)

Previous Secretary General, Institute for the Information Industry

■ Councilor

OHYA Akira

Formerly of the Japan Broadcasting Corporation

■ Councilor

KOGA Ryuji

Honorary Professor, Okayama University

■ Councilor

FUJIWARA Osamu

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

■ Councilor

OHSAKI Hiroyuki

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

■ Councilor

KANEKO Kazuo

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

■ Councilor

HASEYAMA Miki (from June 29, 2021)

Professor, Vice President, Hokkaido University; Dean and Professor, Faculty of Information Science and Technology

■ Councilor

FURUTANI Takeshi

Executive Director, Japan Electrical Safety & Environment Technology Laboratories

Directors and auditors

■ President

KAWAKAMI Keiichi

Japan Electronics and Information Technology Industries Association

■ Director

IMAI Masamichi (until June 29, 2021)

ISHII Yoshinori (from June 29, 2021)

Communications and Information Network Association of Japan

■ Auditor

SHIBATA Satoshi

Formerly of Panasonic Corporation, former Chairman of VCCI Steering Committee

■ Director

TANAKA Hirotoshi

Japan Business Machine and Information System Industries Association

■ Executive Director

ODA Akira

VCCI Council

■ Auditor

HASEGAWA Hiroaki

Formerly of DOCOMO Datacom, Inc.

Accounting Auditor

ERNST & YOUNG ShinNihon LLC (until June 29, 2021) / Miogi Audit Corporation (from June 29, 2021)

» VCCI Council Committees and Activities

Steering Committee

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

General operations

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

The new "Rules for Voluntary Control Measures" based on CISPR 32 Edition 2 were enacted and enforced in November 2016. Acceptance of reports of compliance based on the old V-2 Rules for Voluntary Control Measures terminated at the end of March 2019. FY 2020 was the second year since the period allowing overlap between the new and old rules ended. Judging from the volume of reports of compliance and other documents, we can assume that VCCI members have made a smooth transition to the new rules, which are now firmly established.

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

In FY 2020, we modified the guidance for creating test reports. Application of the VCCI 32-1-A:2020 "guidance for creating test reports (for VCCI-CISPR 32)" started from December 1. The VCCI seminar, which is usually held in our conference room every May as the Info-Communication Promotion Month event hosted by the Ministry of Internal Affairs and Communications, was held on demand (64 applicants) through our website from June 8 to 15. Based on this experience, we hosted VCCI Seminar 2020 through our website from October 12 to 23, introducing the activities of VCCI and offering latest news to our overseas members. 52 members (including 13 from Chinese Taipei, 11 from China, 7 from South Korea, and 6 from the U.S.) participated in the Seminar.

(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 2021, the laboratories registered using this system numbered 78 in the U.S. and 59 in Japan. For FY 2020, to exchange information with the three U.S. laboratory accreditation bodies (A2LA, NVLAP, and ANAB), we invited them to VCCI Seminar 2020 mentioned above instead of the usual face-to-face meetings. In November 2020, we participated in the REDCA meeting (held online), where we collected reference information on trends in market sampling tests and on international standard setting.

(4) Enhancement of IT infrastructure security and compliance

VCCI Council has started using SQL servers to speed up and enhance security of its mission-critical systems. The Council is also enhancing infrastructure for teleworking to enable working from home and introducing electronic meeting systems in the face of current circumstances.

(5) Activities with academic associations (adoption and posting of five papers)

In FY 2020, a paper was adopted in the IEEE journal and four papers were posted to international EMC symposiums.

- (a) Technical paper adopted in the IEEE journal
 - "Consideration to Terminating Condition of Mains Cable for Radiated Emission Measurement Caused by Different Disturbance Sources"
- (b) 2020 IEEE EMC, USA (August 2020, held online)
 - "Characteristics of Radiation Emission from Mains Cable recognized by being terminated with Common Mode Impedance Stabilization Device"
- (c) EMC Europe 2020 (September 2020, held online)
 - "A confirmation into how a CMAD affects MIU in regard to AE termination impedance in noninvasive measurement" (special session due to cancellation of APEMC 2020)
 - "Investigating Power Line Termination Device Effectiveness in Regards to Radiated Emission Measurement Reproducibility in Consideration of Two Disturbance Sources and AC Mains Cable"
 - "A confirmation of necessity on 10 dB-attenuator attachment to the measurement port of AANs"

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 proposing international standardization

VCCI Council 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 (FY 2022) to the CISPR 32 standard. VCCI Council also promoted activities to propose the international standardization of power cable termination conditions at the CISPR, SC-A&I, and JAHG6 conferences.

First, the Council proposed to add the power cable termination conditions (devices) for EUTs for radiated emission measurement to the draft CD for CISPR 32 Edition 3.0. In addition, we submitted a CD to SC-A/I JAHG6 for CISPR 16-1-4 Ed.5.0 publication with the addition of power cable termination devices, along with a suggestion in the form of a contributed document for international standardization of such devices. Furthermore, the results of international RRT for international standardization of power cable termination devices (conducted in FY 2019) were reported by the Council (with the aid of others).

(2) Holding of a technical symposium

A technical symposium was held on demand from February 8 to 12, 2021, from the viewpoint of preventing the spread of the new coronavirus infection, in order to share the results of the Technical Subcommittee's efforts with VCCI members. These 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) Revision of guidance for rules

A modified guidance for creating test reports (for VCCI-CISPR 32) was issued. Changes were made to the EUT operating conditions regarding power supply voltage during measurements and the method of calculating limits for the results of measurements of radiated emissions over 1 GHz.

(b) CISPR Project Working Group

The WG discussed revisions to the CISPR 32 standard for Edition 3.0 and a contributed document and work documents for CISPR SC-A/I JAHG6. Based on the result of the deliberations, VCCI Council submitted comments. In addition, experts who attended CISPR conferences reported to WG members on what was discussed, and shared relevant information.

(c) Radiated EMI WG

CISPR 16-1-1 allows use of FFT-based measuring instruments. The WG compared the measurement procedures and methods between the conventional and FFT-based measuring instruments. The issues and points to be noted in using FFT-based measuring instruments were reported to VCCI members at the technical symposium.

(d) Conducted EMI WG

In CISPR 16-1-2 Edition 2.1, which is referenced by CISPR 32 Edition 2.1, Artificial Networks (ANs) are defined and 150-ohm Δ-ANs are added as ANs for measuring emissions from power ports. The WG checked differences in measurement results between 150-ohm Δ-ANs and conventional V-AMNs, and determined whether 150-ohm Δ-ANs should be used for such measurements. The results were reported to VCCI members at the technical symposium.

(e) Antenna calibration and Site validation WG

In regard to the methods for calibrating loop antennas used to measure radiated emissions below 30 MHz, the WG compared and verified three of the calibration methods specified in the standards using a reference loop antenna. The WG checked the extent of differences in antenna factors among different antenna calibration methods and points to be noted for each calibration method. The findings were reported to VCCI members at the technical symposium.

(f) VHF-LISN Working Group

The WG reported, to VCCI members at the technical symposium, on verification results of the RRT initiated by VCCI Council and evaluated by the Joint Ad Hoc Group (JAHG6) (consisting of CISPR SC-A and SC-I) for promoting VHF-LISN standardization. The WG also reported on content of the paper published in the 2020 IEEE journal, and content of papers posted to international EMC symposiums.

NOTE

- CD : Committee Draft
- EUT : Equipment Under Test
- RRT : Round Robin Test
- VHF-LISN : Very High Frequency – Line Impedance Stabilization Network
- JAHG6 : Joint ad hoc group 6



Technical symposium

International Relations Subcommittee

Liaises with related organizations overseas to appropriately communicate VCCI Council 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 Council activities.

Overseas situational awareness activities

(1) International Forum

From March 29 to April 2, 2021, the VCCI International Forum 2021 was distributed on demand. Guest speakers were invited from the EU Commission, BEIS (UK), GSO (Saudi Arabia), and MIT (Vietnam) to give talks on the latest news in various countries. Applications were submitted from 212 members in Japan and 58 members overseas.

(5) 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 2020.

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

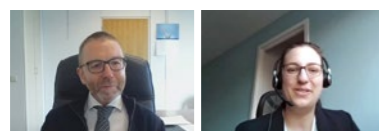
Survey information on world EMC trends was entered into a database, for provision to members. Updates were made as needed, starting from April 2016. "Survey of Trends in World EMC Regulations" was last updated in March 2021.

(4) Overseas surveys

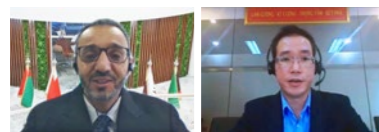
For FY 2020, overseas surveys were canceled due to the COVID-19 pandemic.

NOTE

- BEIS : Department of Business, Energy & Industrial Strategy
- GSO : GCC Standardization and Organization
- MIT : Ministry of Information and Technology



EU U.K.



GSO MIT
International Forum

Market Sampling Test Subcommittee

Checks if reports of compliance filed to VCCI Council 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 test

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, reports of compliance were filed based on the VCCI 32-1 new rules for 91 products. The results are shown in Table 1. In the first round of judgments, 98 of

100 products passed, and two failed. Of the two failed products, one responsible VCCI member admitted to failing after detailed investigation into the product's conformity with the rules. The other failed product subsequently passed after detailed investigation. In the final round of judgments, 99 products passed and one product failed. Information on the failed product (such as the company name, model name, and other details) was published in "VCCI Dayori" in June 2021 with the consent of the member in question.

Sampling tests found no serious violation. In the course of the tests, all VCCI members were very cooperative in complying with our requests such as submitting test reports. We believe our members are observing the rules diligently as always.

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	9	15	14	13	17	11	99
Failed	1	0	0	0	0	0	0	0	1
Total	11	10	9	15	14	13	17	11	100

(2) Document Inspection

40 document inspections were performed. Test reports filed with reports of compliance were inspected, and 76 issues were identified. Of the 76, three were insufficient test conditions, resulting in members performing additional tests. Revised test reports were reexamined, and it was confirmed that the results satisfied the standards. In regard to two products with inappropriate VCCI marks or warning statements on the products and six products with inappropriate warning statements in instruction manuals, the relevant VCCI members were notified to take corrective measures, and the corrections were confirmed.

Test reports were also inspected for 99 products subjected to sampling tests (the relevant VCCI members agreed to let VCCI perform tests and had already filed test reports along with reports of compliance). When the test reports were inspected, seven documents were found with insufficient test conditions. Of the seven reports, three were on ports that newly became subject to testing in the VCCI-CISPR 32 Technical Requirements. Sampling tests were conducted for 99 products, including those previously tested with insufficient test conditions. It was confirmed that all products satisfied the standards. In regard to two products with inappropriate VCCI marks on the products and four products with inappropriate warning statements in instruction manuals, 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 (1,145 models from 76 members) by checking store shelves of mass retailers. The survey found that 98% of models with filed reports of compliance had VCCI marks on them. For the remaining 2%, we could not identify VCCI marks because the products were mockups or electronically displayed. In regard to VCCI-member products with VCCI marks, we identified nine companies selling products with VCCI marks which were not supposed to be on the products according to the filed information. A secondary survey revealed that member products with inappropriate VCCI marks were caused by members forgetting to file reports of compliance (six companies) and difficulty in matching model numbers shown on the nameplates of actual products to filed model numbers listed in the submitted reports of compliance (three companies). The former six companies filed reports of compliance after the survey.

(4) Improvement activities

We analyzed the results of checking 40 test reports subjected to document inspection and test reports of 100 products subjected to sampling tests in FY 2019. To improve the VCCI 32-1-A guidance for creating test reports, we submitted an improvement plan to the Technical Subcommittee for the items that many VCCI members failed to comply with in test reports. When we analyzed the results of checking test reports subjected to document inspection and test reports of products subjected to sampling tests in FY 2020, the top three issues were identical to those of FY 2019. In December 2020, a revised version of the guidance for creating test reports was issued. We hope this new guide will improve the quality of test reports.

Public Relations Subcommittee

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

Public relations activities

(1) TECHNO-FRONTIER Virtual Exhibition 2020 (from September 8 through 18, held again from September 28 through October 2)

First online exhibition for TECHNO-FRONTIER. Materials and videos were posted in virtual booths.

466 visitors to the VCCI booth including 62 questionnaire respondents.

(2) CEATEC ONLINE 2020 (from October 20 through 23, archive posted from October 24 through December 31)

First online exhibition for CEATEC. Materials and videos were posted in virtual booths.

956 visitors to the VCCI booth including 25 questionnaire respondents.



Virtual booth image

(3) Virtual TECHNO-FRONTIER 2021 Winter (from February 2 through 12)

Second online exhibition in FY 2020. 146 visitors to the VCCI booth including 55 questionnaire respondents.

(4) Illuminated billboard advertising

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

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

VCCI continued to post door-window stickers in Tobu Railway's 70000-series train cars which also run on the Tokyo Metro Hibiya line.

(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 20 Bic Camera stores across Japan, as PR for general users and mass retailer staff. Beginning in FY 2020, two versions of the video are being broadcast (in Japanese with English subtitles and in English with Japanese subtitles).

(7) Issuing of the newsletter "VCCI Dayori" and annual reports

VCCI Council issued "VCCI Dayori" (Japanese and English versions) No.136 to No.139, and published them on the VCCI Council website. The 2019 annual report (Japanese and English versions) was also issued in August 2020 and posted on the website.

(8) Creation of the 2021 desktop calendar and novelty notebooks

The calendar and notebooks were created for handout at future exhibitions and to visitors to the VCCI Council office.

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. For the first half of FY 2020, all education and training sessions were canceled due to the COVID-19 pandemic. In the second half of the year, classroom lectures were held online (live streaming).

(1) Holding of online education and training sessions (live streaming)

For the first online education session, we started small with ten attendees. Before the session, we checked the status of Internet connection to resolve concerns of the attendees. During orientation at the beginning of the session, to build rapport between the lecturer and attendees (and create an atmosphere where the attendees could feel free to ask questions), both the lecturer and attendees introduced themselves with their faces on display and talked about their work and why they chose to participate in the session. At the end of the session, the lecturer answered additional questions and asked the attendees about impressions on the session in general.

All three online sessions were lively with ten to 14 questions raised in each session. According to the impressions expressed by attendees at the end of sessions and after-session questionnaires, there was no problem with sound, images, or communication. All attendees supported live streaming and we consider it to have been a success.

(2) Details of education and training courses held in FY 2020

(a) The basic technique of EMI measurement

This was a training course for beginner measurement engineers to acquire basic knowledge. One session was held in November 2020, with certificates of attendance given to a of 11 attendees.

(b) The level up of the EMI measurement technique

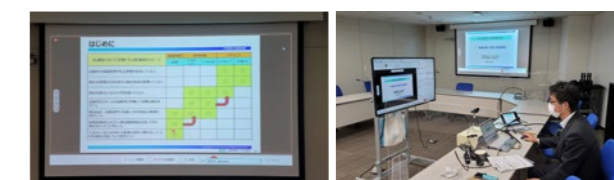
The purpose of this course was to deepen understanding of correct automatic and manual measurement of radiated emissions. One session was held in March 2021, with certificates of attendance given to 10 attendees.

(c) EMI measurement instrumentation uncertainty (MIU)

The purpose of this course was to teach how to perform tests based on the VCCI-CISPR 32 "Technical Requirements" and calculate measurement instrumentation uncertainty (MIU), which is mandatory in test reports, based on the VCCI 32-1-3 "Measurement Instrumentation Uncertainty". One session was held in March 2021, with certificates of attendance given to 15 attendees.

NOTE

- MIU : Measurement Instrumentation Uncertainty



Live streaming screen

Secretariat office during live streaming

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 2020

- Number of facilities registered via inspections: 448 (of which 337 were those renewed)

Category of Measurement Facility	Number of Registered Facilities	(FY 2019)
Radiated emission (below 1 GHz)	136	(122)
Mains port conducted emission	113	(106)
Telecommunication (wired network) port conducted emission	100	(85)
Radiated emission (above 1GHz)	99	(96)

- Number of registered laboratories accredited by accreditation bodies: 91

(2) Total number of registered facilities (as of March 31, 2021)

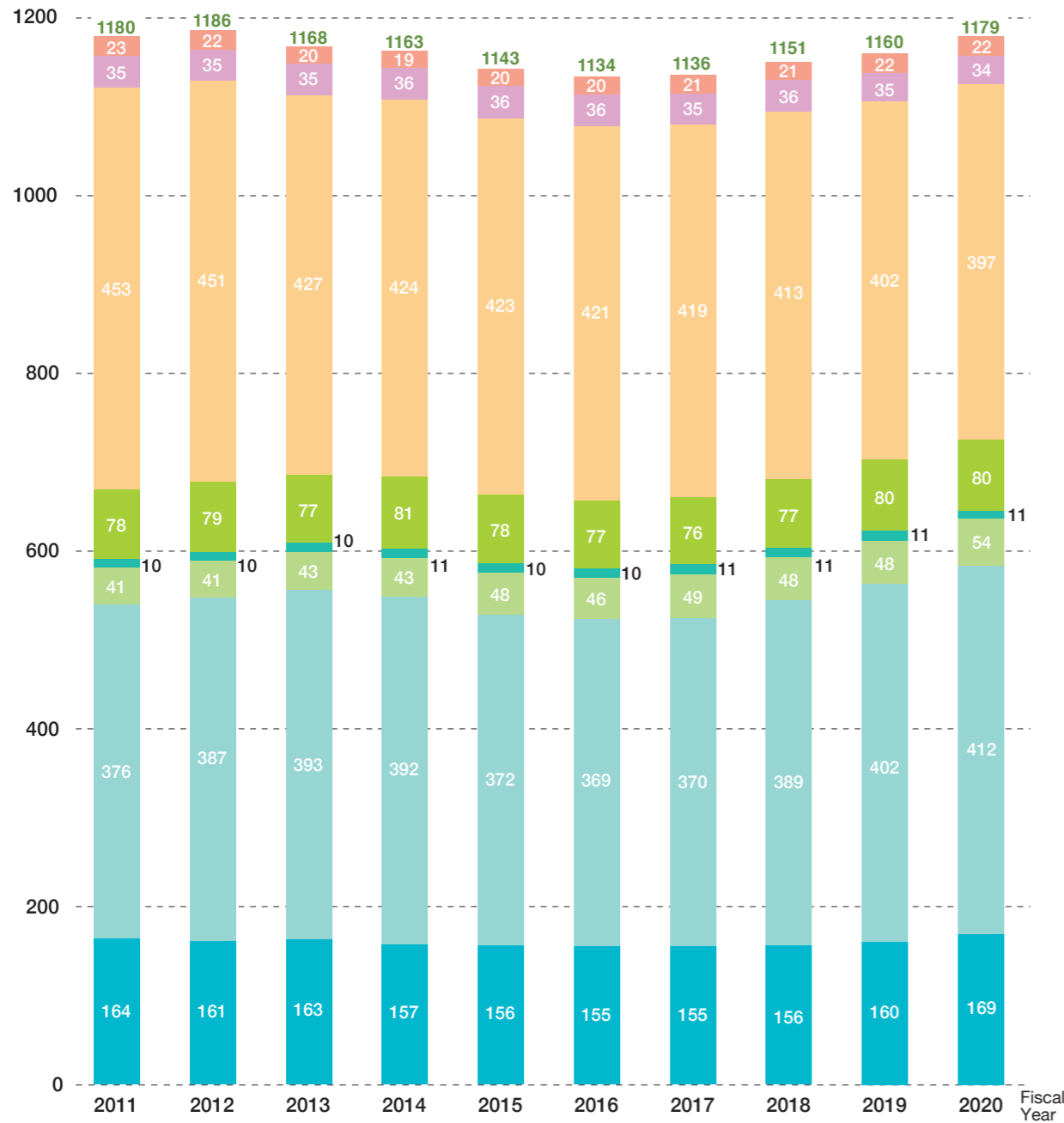
- Total number of facilities registered via inspections: 1,185

Category of Measurement Facility	Number of Registered Facilities	(FY 2019)
Radiated emission (below 1 GHz)	324	(322)
Mains port conducted emission	305	(308)
Telecommunication (wired network) port conducted emission	259	(253)
Radiated emission (above 1GHz)	297	(280)

- Number of registered laboratories accredited by accreditation bodies: 137

» Trends in Membership

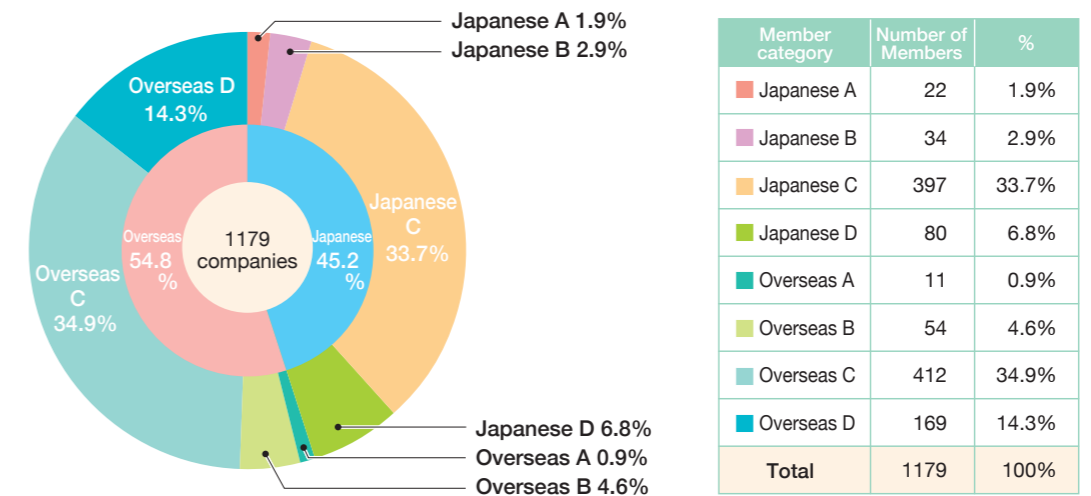
Number of member companies



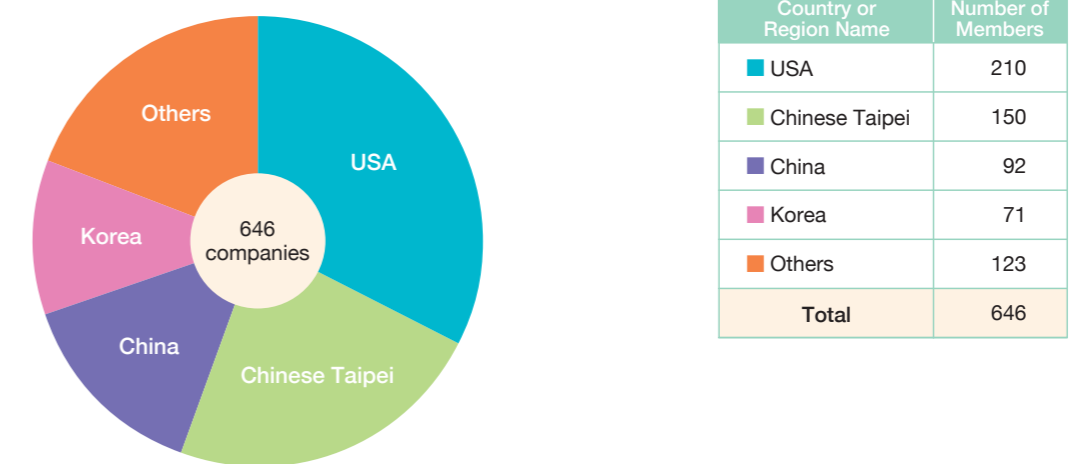
Category: Japanese A, Japanese B, Japanese C, Japanese D, Overseas A, Overseas B, Overseas C, Overseas D

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)

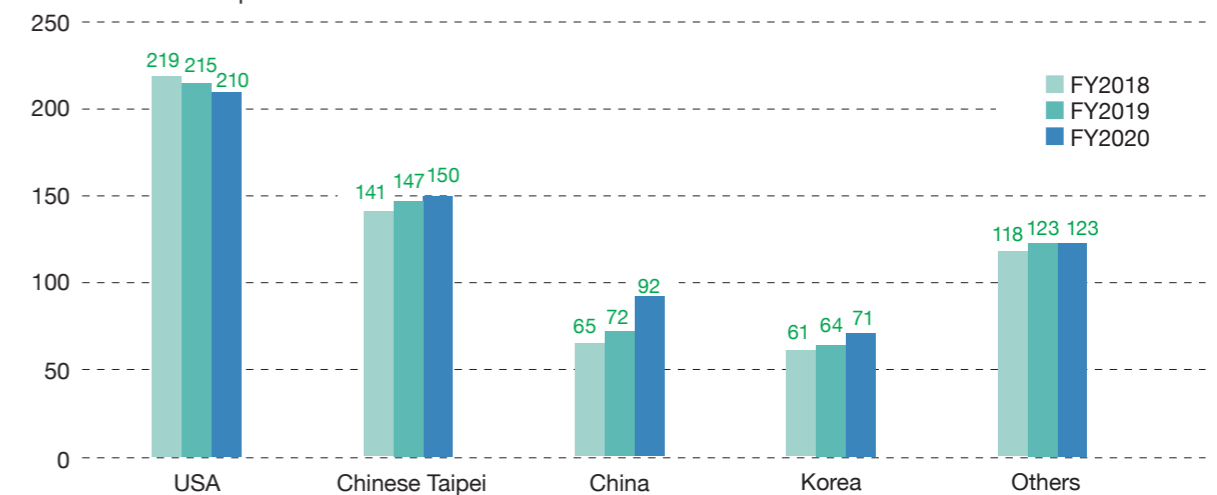
» Composition of Members



» Composition of Overseas Members

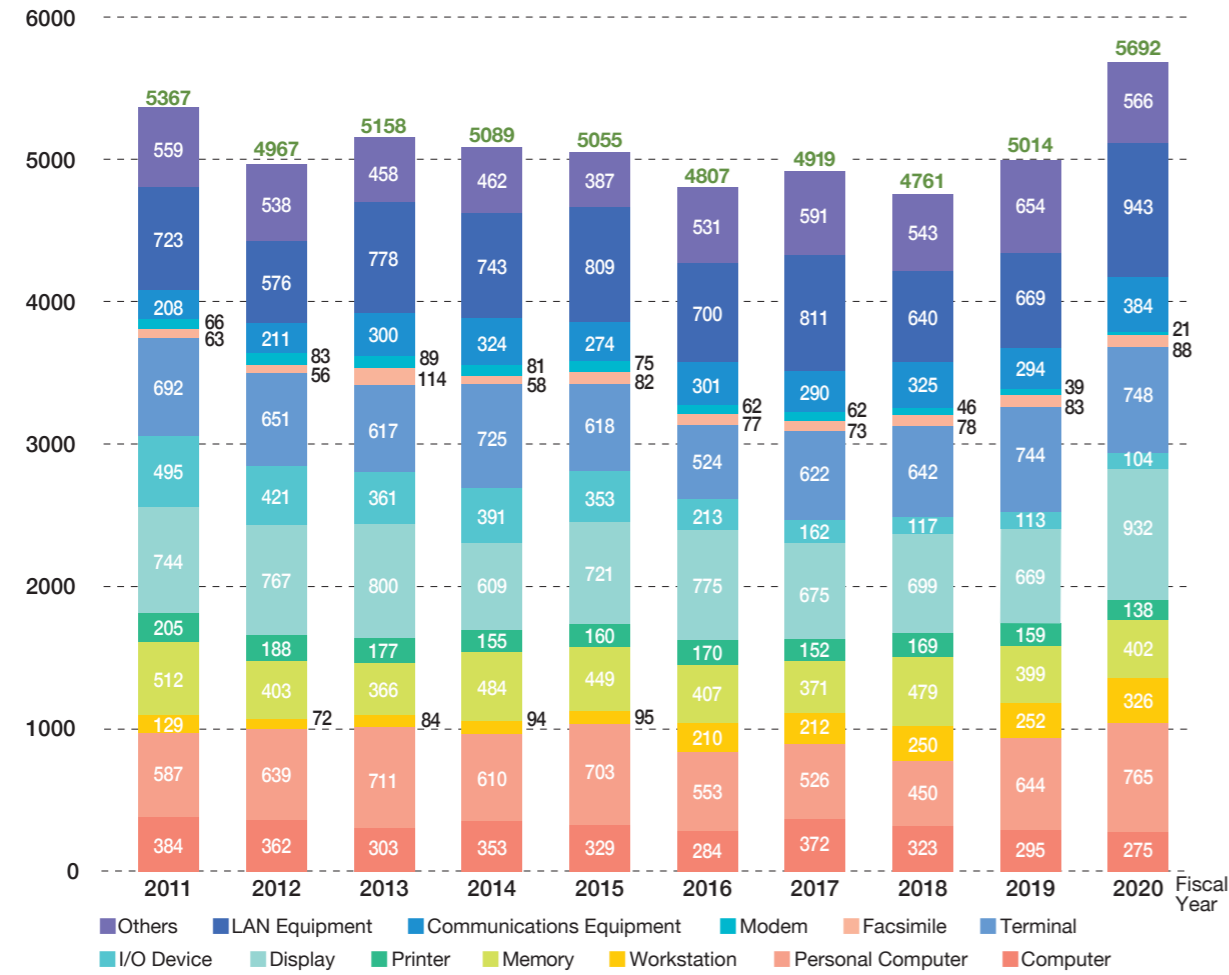


Number of member companies



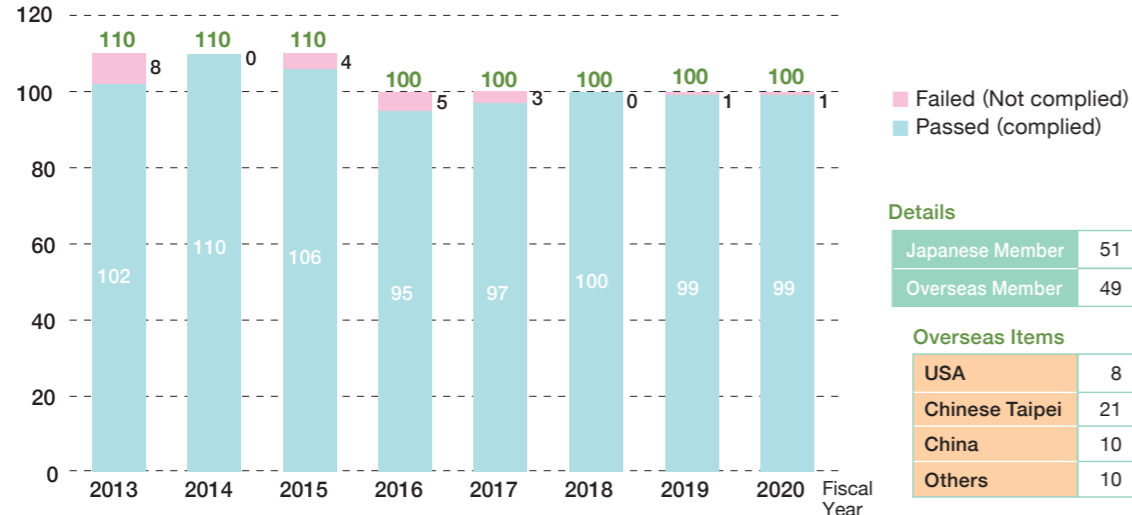
» Trends in Number of Filed Conformity Reports, by Product

Number of filed report of conformance submitted



» Trends in Market Sampling Test Results

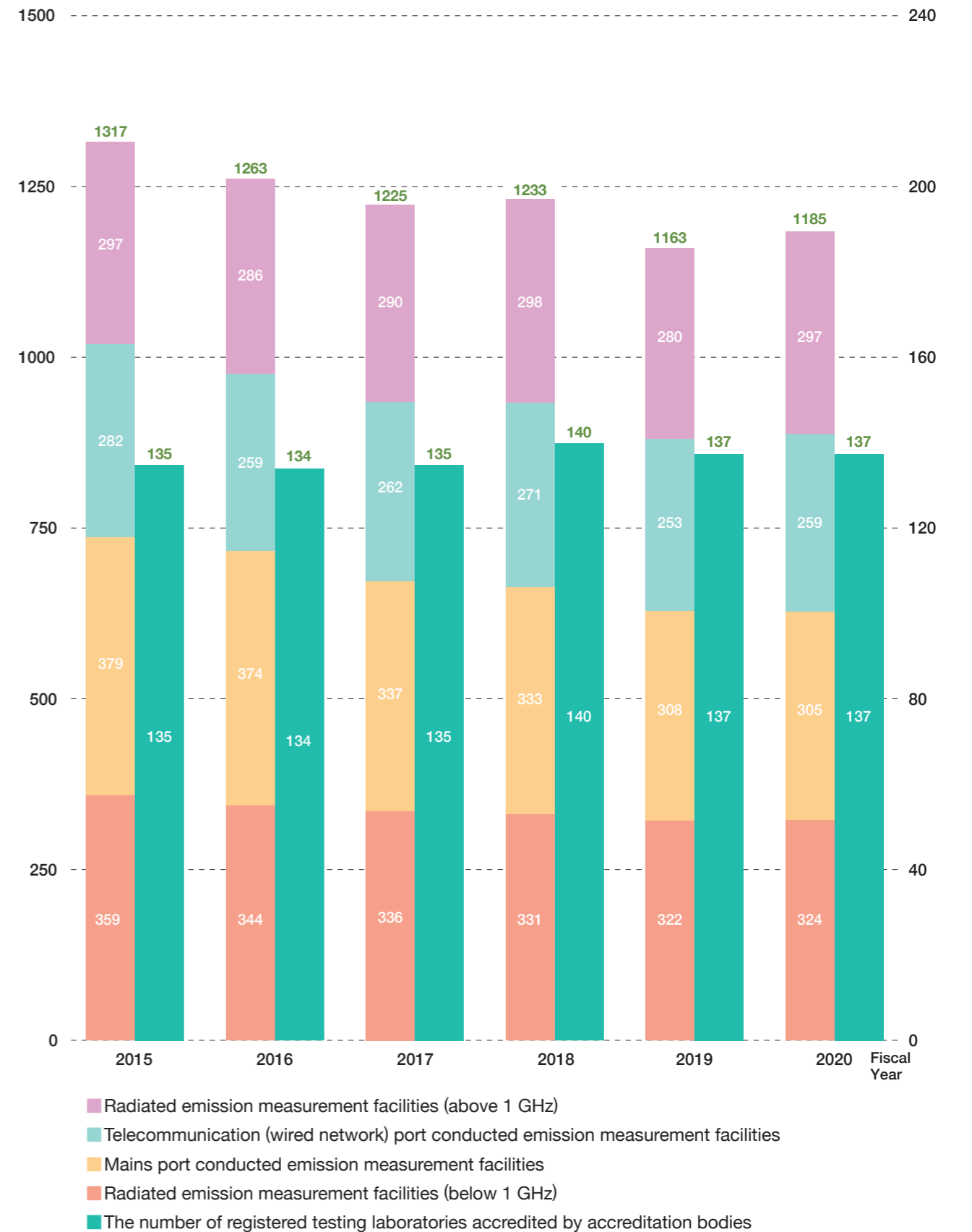
Number of market sampling test



» 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



397	Industrial Research Institute of Shizuoka Prefecture Hamamatsu Technical Support Center	2563	SGS Japan Inc.	2709	BTL Inc. (CHINA)	719	EMV TESTHAUS GMBH (GERMANY)	3533	LCIE Bureau Veritas (FRANCE)	3811	Suzhou Science Standard Testing Co. Ltd. (CHINA)				
742	Industrial Technology Center of OKAYAMA Pref.	3274	Shimane Insutitute Industrial Technology	3859	BTL Inc. (CHINA)	3270	EST Technology Co., Ltd. (CHINA)	2411	LTA Co., Ltd. (KOREA)						
1213	Industrial Technology Institute, Miyagi Prefectural Government	1849	Sony Global Manufacturing & Operations Corporation	4021	BUREAU VERITAS ADT (SHANGHAI) CORPORATION (CHINA)	3470	ESTECH Co., Ltd. (KOREA)		[M]	[T]					
999	Intertek Japan K.K.		[T]	818	Bureau Veritas Consumer Products Services (USA)	1474	ETL Inc. (KOREA)		2959	MICOM Labs (USA)	4101	Taiwan Electric Research & Testing Center (CHINESE TAIPEI)			
579	IPS Corporation	346	TDK-Lambda Corporation	395	Bureau Veritas Consumer Products Services, (H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)	1145	Eurofins E&E Hursley Ltd (U.K.)		3575	MRT Technology (Suzhou) Co., Ltd (CHINA)	277	Taiwan Testing and Certification Center (CHINESE TAIPEI)			
2227	ISHIKAWA Co., Ltd.	4138	Techno Science Systems Co., Ltd.	3081	Bureau Veritas Consumer Products Services, Inc. (USA)	757	Eurofins MET Laboratories, Inc. (USA)			[N]					
3649	Iwate Industrial Research Institute	996	Tokin EMC Engineering Co., Ltd.	2115	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch (CHINA)	1062	Eurofins York (U.K.)		1211	National Technical Systems (USA)	4014	Tarang labs- Product Qualification and Compliance Planet, Wipro Ltd. (INDIA)			
	[J]	1098	TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	3772	BV 7Layers Communications Technology (Shenzhen) Co., Ltd. (CHINA)	3636	F Squared Engineering Corp dba F2 Labs (USA)		3220	Nemko AS (NORWAY)	658	Test Site Services (USA)			
3619	Japan Automobile Research Institute	943	Toshiba Carrier Engineering & Life Support Corp.	4013	BV CPS ADT Korea Ltd. (KOREA)	910	FORCE Technology (DENMARK)		642	Nemko Canada Inc. (CANADA)	3379	The Compliance Management Group (CMG) (USA)			
792	JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES	3283	Toyama Industrial Technology Research and Development Center		[C]		[G]		2118	Nemko Korea Co., Ltd. (KOREA)					
3891	Japan Gas Appliances Inspection Association	995	TOYO Corporation	1847	Central Research Technology Co. (CHINESE TAIPEI)		2778	Global Certification Corp. (CHINESE TAIPEI)	4009	Nemko S.p.A. (ITALY)	1328	The Hong Kong Standards and Testing Centre Ltd. (HONG KONG)			
140	JEL Limited	3396	Toyota Industries Corporation	4067	Centre Testing International (Suzhou) Co., LTD. (CHINA)		708	Global EMC Standard Tech. Corp. (CHINESE TAIPEI)	720	Nemko USA Inc. (USA)	831	The Standards Institution of Israel (SII) (ISRAEL)			
	[K]	811	TUV Rheinland Japan Ltd.	3177	Centre Testing International Group Co., Ltd. (CHINA)		3498	Guangdong Keyway Testing Technology Co., Ltd. (CHINA)	3928	NTREE Co., Ltd. (KOREA)					
1251	Kagawa Industry Support Foundation (NEXT KAGAWA)	240	TUV SUD Japan Ltd.	2216	Cerpass Technology Corporation (CHINESE TAIPEI)		2092	Gumi University EMC Center (KOREA)			916	3C Test Ltd (U.K.)			
689	Kanagawa Institute of Industrial Science and Technology	474	UL Japan, Inc	2783	CETECOM GmbH (GERMANY)			[H]	656	PCTEST Engineering Laboratory, Inc. (USA)	2697	TÜV Rheinland (Guangdong) Ltd. (CHINA)			
187	KITAGAWA INDUSTRIES CO., LTD.		[W]	3944	CETECOM, Inc. (USA)		4130	Hangzhou T3T Technologies Co., Ltd. (CHINA)	409	Professional Testing (EMI) , Inc. (USA)	4004	TÜV Rheinland (Shanghai) Co., Ltd. (CHINA)			
3569	KYB Corporation	260	WAVE CORPORATION	3812	China Academy of Information and Communications Technology (CHINA)		3606	Hangzhou TDT Technologies Co., Ltd. (CHINA)		[Q]	4074	TÜV Rheinland (Shenzhen) Co., Ltd. (CHINA)			
3304	Kyoritsu Electric Corporation		[Y]	555	Chomerics Test Services (USA)		264	HCT Co., Ltd. (KOREA)	3718	QAI Laboratories, Ltd. (CANADA)	1097	TÜV Rheinland of North America (USA)			
3934	KYOTO INSTITUTE OF TECHNOLOGY	4073	Yamagata Research Institute Of Technology	213	CKC Laboratories, Inc. (USA)		592	Hermon Laboratories Ltd. (ISRAEL)	1798	QualiTech, EMC Lab. (ISRAEL)	4020	TÜV Rheinland Sweden AB (SWEDEN)			
	[L]	150	YAZAKI CORPORATION	530	Compatible Electronics, Inc. (USA)		1814	Hong An Technology CO., LTD. (CHINESE TAIPEI)		[R]	3252	TÜV Rheinland Taiwan Ltd. (CHINESE TAIPEI)			
1370	Labotech International Co., Ltd.		<Overseas>	1938	Compliance Certification Services (KunShan) Inc. (CHINA)		3070	Hong Fu Jin Precision Electrons (Yantai) Co., Ltd. (CHINA)		3987	Radiometrics Midwest Corporation (USA)	129	TÜV SÜD America Inc. (USA)		
	[M]		No. Company (Country or Region Name)	710	Compliance Certification Services Inc. (CHINESE TAIPEI)		892	Hyundai C-Tech, Inc. dba HCT America, Inc. (USA)	4065	RN Electronics Limited (U.K.)	2003	TÜV SÜD Canada (Ottawa) (CANADA)			
2973	M-System Co., Ltd.		[A]	3330	Core Compliance Testing Services, LLC (USA)			[I]		1908	RETLIF Testing Laboratories (USA)	2718	TÜV SÜD Canada Inc. (CANADA)		
1301	Minami-Shinsyu Iida Industry Center	3034	A Test Lab Techno Corp. (CHINESE TAIPEI)	2981	CSA Group Testing & Certification Inc. (CANADA)			821	I.T.L. (PRODUCT TESTING) LTD (ISRAEL)		4065	RN Electronics Limited (U.K.)	433	TÜV SÜD Ltd. (U.K.)	
1438	Miyazaki Prefecture Industrial Technology Center	4053	AA Electro Magnetic Test Laboratory Private Limited (INDIA)	1208	CTK Co., Ltd. (KOREA)			3452	International Certification Corp. (CHINESE TAIPEI)			542	TÜV SÜD PSB Pte Ltd. (SINGAPORE)		
	[N]	4128	Advanced Compliance Laboratory, Inc. (USA)		[D]			243	International Standards Laboratory Corp. (CHINESE TAIPEI)		2793	SGS Germany GmbH (GERMANY)	4090	UCS Co., Ltd. (KOREA)	
352	Nagano Prefectural General Industrial Technology Center Precision. Electronics & Aviation Technology Department	2186	APPLUS+ LGAI (SPAIN)	332	CSA Group bayern GmbH (GERMANY)			1349	Interocean EMC Technology Corp. (CHINESE TAIPEI)		2934	SGS Korea Co., Ltd. (KOREA)	4090	UCS Co., Ltd. (KOREA)	
3592	NIPPON SEIKI CO., LTD.	966	Atlas Compliance & Engineering, Inc. (USA)	2981	CSA Group Testing & Certification Inc. (CANADA)			3898	Intertek EMC Technology Corp. (CHINESE TAIPEI)		3300	SGS North America (USA)	3148	UL International-Singapore Pte Ltd (SINGAPORE)	
3562	NISSEI ELECTRIC CO., LTD.	4112	Attestation of Global Compliance (Shenzhen) Co., Ltd. (CHINA)	327	DT&C Co., Ltd. (KOREA)			960	Intertek ETL SEMKO Korea Ltd. (KOREA)		1600	SGS Taiwan Ltd. (CHINESE TAIPEI)	4066	UL Korea, Ltd. (KOREA)	
684	NOISE LABORATORY CO., LTD.	1257	AUDIX Technology (Shanghai) Co., Ltd. (CHINA)	327	Audix Technology Corporation (CHINESE TAIPEI)			3898	Intertek ETL SEMKO Korea Ltd. (KOREA)		3061	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. (CHINA)	596	UL LLC (USA)	
2689	Noritz Corporation	638	Audix Technology (Shenzhen) Co., Ltd. (CHINA)	4100	Dongguan Dongdian Testing Service Co., Ltd. (CHINA)			960	Intertek Testing Services Hong Kong Ltd. (HONG KONG)		3061	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. (CHINA)	3793	UL Verification Services (Guangzhou) Co., Ltd., Song Shan Lake Branch (CHINA)	
	[O]	2653	Audix Technology (WuJiang) Co., Ltd. (CHINA)	3207	DSTech Co. (KOREA)			3598	Intertek Testing Services Ltd., Shanghai (CHINA)		1937	SGS-CSTC Standards Technical Services Co., Ltd. (CHINA)	376	UL Verification Services Inc. (USA)	
3568	OHTAMA CALIBRATION SERVICE Co., Ltd.	237	Audix Technology Corporation (CHINESE TAIPEI)	1722	DT&C Co., Ltd. (KOREA)			334	Intertek Testing Services NA Inc. (USA)		3738	Shanghai Inspection and Testing Institute of Instruments and Automatic Systems (CHINA)	1309	Ultratech Engineering Labs Inc. (CANADA)	
3862	Oita Industrial Research Institute		[B]		[E]			1253	Intertek Testing Services Taiwan Ltd. (CHINESE TAIPEI)		2621	Shanghai Institute of Measurement and Testing Technology EMC Lab. (CHINA)	3834	Underwriters Laboratories Taiwan Co., Ltd. (CHINESE TAIPEI)	
898	OKI ENGINEERING CO., LTD.	4036	Bay Area Compliance Laboratories (Chengdu) (CHINA)	3561	EKTOS Testing & Reliability Services A/S (DENMARK)			3685	ITC Engineering Services, Inc. (USA)		3525	Shenzhen Academy of Metrology and Quality Inspection (CHINA)	4012	Unified Compliance Laboratory (USA)	
4055	Osaka Research Institute of Industrial Science and Technology	981	Bay Area Compliance Laboratories Corp. (USA)	1607	Electrical and Electronics Institute (EEI) , Thailand (THAILAND)						3826	Shenzhen BALUN Technology Co., Ltd. (CHINA)			
	[P]	3929	Bay Area Compliance Laboratories Corp. (Kunshan) (CHINA)	922	ELECTRO MAGNETIC TEST, INC. (USA)						2257	Shenzhen FuGui Precision Industry Co., Ltd. (CHINA)			
2024	Panasonic Smart Factory Solution Co., Ltd.	3776	Bay Area Compliance Laboratories Corp. (Taiwan) (CHINESE TAIPEI)	2870	ElectroMagnetic Investigations, LLC (USA)						2218	Shenzhen Huatongwei International Inspection Co., Ltd. (CHINA)			
608	Panasonic System Networks Evaluation Technology Co., Ltd.	3387	Bay Area Compliance Labs Corp., (ShenZhen) (CHINA)	564	Element Materials Technology Portland-Evergreen Inc. (USA)						3863	Shenzhen Huaxia Testing Technology Co., Ltd. (CHINA)			
	[R]	4104	BEC Incorporated (USA)	657	Element Materials Technology Warwick Ltd. (U.K.)						3884	Shenzhen Morlab Communications Technology Co., Ltd. (CHINA)			
2285	Radio Engineering & Electronics Association	3940	Beijing Boomwave Test Service Co., Ltd. (CHINA)	785	EMC Technologies Pty Ltd. (AUSTRALIA)						3641	Shenzhen TCT Testing Technology Co., Ltd. (CHINA)			
1398	RAKURYOU TECHNICA CO., LTD.	672	BTL Inc. (CHINESE TAIPEI)	2210	EMITECH Angers (FRANCE)							4142	Shenzhen UnionTrust Quality and Technology Co., Ltd. (CHINA)		
485	RIKEN ENVIRONMENTAL SYSTEM Co., Ltd			2893	EMTEK (Shenzhen) Co., Ltd. (CHINA)							3071	SINGAPORE EPSON INDUSTRIAL PTE LTD (SINGAPORE)		
2759	Rohde & Schwarz Japan K.K.														
1337	Roland Corporation														
	[S]														
3446	Samoto & Associates, Ltd.														
2906	SELA Corporation														

» Settlement of Accounts for FY 2020

(Statement of net assets)

From April 1, 2020 to March 31, 2021

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	(4,300,000)	(4,200,000)	(100,000)
Admission fees received	4,300,000	4,200,000	100,000
② Membership fees received	(244,775,000)	(241,500,000)	(3,275,000)
Membership fees received	244,775,000	241,500,000	3,275,000
③ Earning on enterprise fees	(15,708,000)	(19,240,000)	(△ 3,532,000)
Site registration fees	14,928,000	12,640,000	2,288,000
Seminar enrollment fees	780,000	6,600,000	△ 5,820,000
④ Miscellaneous earnings	(2,138,063)	(1,378,496)	(759,567)
Miscellaneous earnings	2,138,063	1,378,496	759,567
Total ordinary earnings	266,921,063	266,318,496	602,567
(2) Ordinary expenditure			
① Enterprise expenditure	(193,818,498)	(219,255,724)	(△ 25,437,226)
Labor	63,641,778	61,337,251	2,304,527
Enterprise overhead	45,210,127	47,465,969	△ 2,255,842
Operating expenditure	271,500	4,356,361	△ 4,084,861
Standards setting	6,892,307	16,227,497	△ 9,335,190
Technical education and training	429,431	5,708,952	△ 5,279,521
Market surveillance	27,444,604	26,179,984	1,264,620
International relations operation	1,268,260	5,541,567	△ 4,273,307
Public relations	12,026,851	15,538,006	△ 3,511,155
Site registration expenditure	26,985,200	28,221,337	△ 1,236,137
Transfer to bonus reserve fund	6,423,000	5,372,000	1,051,000
Transfer to retirement allowance reserve fund	2,553,440	2,634,800	△ 81,360
Transfer to officers' retirement bonus reserve fund	672,000	672,000	0
② Administrative expenditure	(28,358,630)	(30,108,117)	(△ 1,749,487)
Labor	12,435,185	13,764,655	△ 1,329,470
Housekeeping	13,512,085	14,173,762	△ 661,677
Transfer to bonus reserve fund	1,605,000	1,343,000	262,000
Transfer to retirement allowance reserve fund	638,360	658,700	△ 20,340
Transfer to officers' retirement bonus reserve fund	168,000	168,000	0
Total ordinary expenditure	222,177,128	249,363,841	△ 27,186,713
Current fiscal year ordinary increase and decrease amount	44,743,935	16,954,655	27,789,280

(Unit: Japanese yen)

Item	Current Fiscal Year	Previous Fiscal Year	Increase or Decrease
General net assets before tax	44,743,935	16,954,655	27,789,280
Corporation tax, residential tax, and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	44,673,935	16,884,655	27,789,280
Balance of general net assets at the beginning of the term	401,091,810	384,207,155	16,884,655
Balance of general net assets at the end of the term	445,765,745	401,091,810	44,673,935
II. Balance of net assets at the end of the term	445,765,745	401,091,810	44,673,935

» VLAC (Voluntary EMC Laboratory Accreditation Center)

VLAC was established in April 1999 by VCCI Council as an independent organization providing laboratory accreditation VLAC accredits laboratories by inspecting whether they conform to international standards "ISO/IEC 17025". The scope of accreditation covers emissions from multimedia devices demanded by VCCI Council, 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 Council, free of charge simply by sending their certificate to the website.

As of the end of FY 2020, 51 testing sites of 37 laboratories have been certified by VLAC. For details, see the VLAC website <https://www.vlac.co.jp/>.



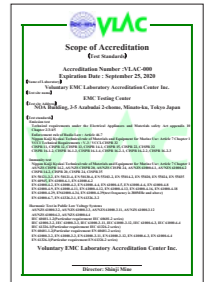
ILAC Combined MRA Mark



Certificate of Accreditation

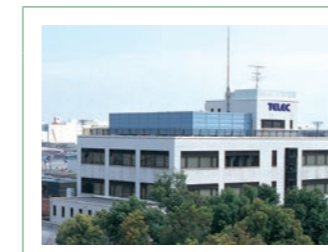


Scope of Accreditation (Measurement Method)



Scope of Accreditation (Test Standards)

» VCCI Commissioned Testing Laboratories



TELEC (Telecom Engineering Center) - EMC Laboratory

URL : <https://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.

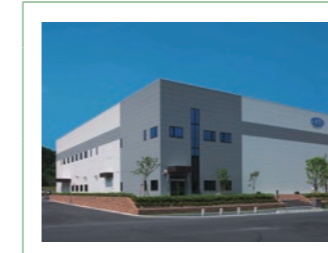


JQA (Japan Quality Assurance Organization) - Saito Electromagnetic Environment Testing Laboratory

URL : <https://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 certified by VLAC and A2LA under ISO/IEC 17025.



KEC (Kansai 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 : <https://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 IECEE, 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, 2021

