

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

- Formulate basic policies on voluntary control of electromagnetic disturbances emitted by multimedia equipment
- 2 Coordinate the interest of member organizations and liaise with the government and related agencies
- Receive and file Conformity verification report with the voluntary control standards and issue reception acknowledgement in return
- Carry out market surveillance (with sampling test commissioned to third party testing laboratories)
- Regularly review the suitability of the Technical Requirements for necessary revisions by research and experiments and share the results with members

- Hold measurement skills courses to prepare members' engineers for adequate conformity assessment
- Study trends in overseas EMC regulations and seek opportunities for mutual recognition agreement
- Examine credentials of measurement laboratories and facilities based on the measurement facilities registration system
- Do PR activities for general consumers and reach out to potential companies and associations for encouraging them to join VCCI
- Administer other programs for effective operations of the voluntary control

» INDEX

Description
Greetings
Organization 2
VCCI Committees and Activities
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
Trends in the Total Number of Registered Measurement Facilities
and Laboratories as of the Fiscal Year End9
VCCI Member List
Regular Members
Supporting Members
Settlement of Accounts for FY 2023 ······ 18
VLAC (Voluntary EMC Laboratory Accreditation Center)
VCCI Commissioned Testing Laboratories

» Greetings

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

Here, I would like to deliver a report on our FY 2023 activities, and I look forward to your continued support.

The spread of social digitalization trends such as remote work and online meetings sparked by the COVID-19 pandemic seems to have taken hold as a new work style, even after the reclassification of COVID-19 to Class 5. Although VCCI Council has also experienced a rise in office attendance rates, we have retained the work-fromhome system, and worked to maintain our work environment and improve work efficiency by implementing various digital technologies. Meanwhile, there has been a gradual recovery in social interaction. In FY 2023, VCCI Council, like many other organizations, resumed activities that had been canceled or postponed due to the COVID-19 pandemic. We also returned to holding some events face to face. that had previously been held in on-demand format (in video format on the VCCI Council website). Going forward, we expect digital socioeconomic transformation to continue to accelerate as we capitalize on both the convenience of online spaces and the benefits of real-life interaction while incorporating digital technologies such as artificial intelligence (AI) and robotics. Accordingly, we expect the communication environments underpinning this transformation to grow increasingly important in the future.

CEATEC 2023, held in October 2023, returned to its pre-COVID format, while also being made available online. CEATEC's mission is to bring together people, technologies, and information from a variety of industries and occupations to provide a space for innovators to "co-create" the future, to build "Society 5.0", a two-pronged solution to economic-development and social issues. This is none other than a call to action for us all to collaborate on building the new social and economic visions emerging from the post-pandemic "new normal".

The key to achieving Society 5.0, such as the realization of the "Vision for a Digital Garden City Nation", will be digital technologies. Communication infrastructure, alongside semiconductors and other devices, will be fundamental to materializing this vision. For example, the government's integrated innovation strategy adopts "digital social infrastructure" alongside AI, semiconductor, and quantum technologies as a major field. The strategy states that "as cyberspace and physical space combine, we will ensure further data enhancement and sound information distribution" and "securing an industrial foundation for our digital society, and maintaining and upgrading information and communication infrastructure will be essential".

Additionally, a diversity of technologies will be implemented in society based on concepts like the "Super City" to be highlighted at the Osaka, Kansai expo in 2025, and the results of various demonstration experiments. Needless to say, clean electromagnetic environments will be crucial to using the wireless and radio technologies essential to these advancements. We believe that VCCI Council's role and responsibilities will only grow more important going forward.

Since the 1985 founding of our predecessor, the Voluntary Control Council for Interference by Information Technology Equipment, VCCI Council has been working to prevent interference caused by information technology devices. VCCI Council has also been engaged in activities to protect the interests of users and consumers of electrical and electronic devices. Compared to those early days, CPU operating frequencies have improved from the order of MHz to the order of GHz, and advancements in the internet have popularized the use of LANs not just in offices, but also in the home. 2015 saw the publication of CISPR 32 Edition 2, an international standard for electromagnetic emissions from multimedia equipment. These standards are being increasingly applied within Japan based on a recommendation submitted to the Information and Communications Council of the Ministry of Internal Affairs and Communications. VCCI Council's new Rules for Voluntary Control Measures, based on these multimedia FMC standards, were published and enforced from November 2016. I would like to thank all of our members for their



VCCI Council President: HIRAI Atsuo

thorough understanding and smooth implementation of these Rules for Voluntary Control Measures. Currently, we are actively participating in international conferences for international standardization in preparation for CISPR 32 Edition 3, which is scheduled to be issued in FY 2026. In recent years, the number of new "Registration of Product Conformity" submissions has remained steady at about 5,000 per year. Additionally, we are seeing more and more new members from countries overseas that previously had no members at all. Our membership now spans 30 countries and regions.

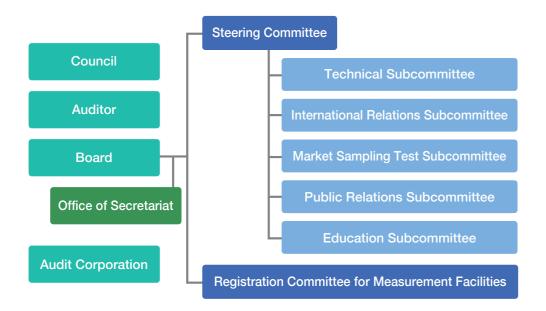
VCCI Council's activities are driven by the trust inspired by the VCCI mark. Specifically, our operation is underpinned by our three "pillars" of regulation: our system for registering measurement facilities, our system of voluntary conformity declaration by member-filed registration of product conformity, 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.

Improving awareness of the VCCI mark worldwide and contributing to the enactment of international standards for electromagnetic interference are an important part of VCCI Council's promotion of voluntary control. In FY 2023, we held our first face-to-face international forum in four years, inviting overseas electromagnetic interference regulatory authorities, in a format that facilitated direct discussion with speakers from the US and EU. The forum was also available online in on-demand format to interested parties, including those overseas. Every year, research results learned in the course of VCCI's activities are compiled into papers and presented at relevant conferences in Europe, the US, and the Asia-Pacific. We feel that these kinds of activities have been well-received, raising awareness of VCCI Council both in Japan and overseas.

In Japan, we held Business Report Meetings and VCCI seminars as part of the Info-Communications Promotion Month held by the Ministry of Internal Affairs and Communications. While small in scale, these were our first face-to-face events in four years. For regions that requested it, in this case Gifu and Chiba Prefectures, we also visited locations such as industrial testing laboratories to hold VCCI seminars, again for the first time in four years. As for the educational and training business, we have resumed face-to-face training seminars alongside our hands-on training. We held online classroom lectures, some of which offered a hybrid format, as part of our educational and awareness-raising activities regarding electromagnetic-interference technologies. We will continue to raise awareness of the VCCI mark and improve the technical skill of engineers involved in electromagnetic interference, for example through PR activities such as our participation in technology exhibitions.

With the cooperation of our members and of relevant government agencies and groups, we hope to continue addressing trends in technological innovation which will be integral to radio applications, and their social implementation, thereby helping to build clean electromagnetic environments as a foundation for Society 5.0. We will make sure these kinds of activities prove meaningful to our members, and in turn to Japanese consumers. I hope you will continue to support our activities going forward.

» Organization



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VCCI Council

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Miogi Audit Corporation

» 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) Establishment of the new "Rules for Voluntary Control Measures" based on CISPR 32 Edition 2.0

The new "Rules for Voluntary Control Measures" based on CISPR 32 Edition 2.0 (which is most recent) were enacted and enforced in November 2016. Acceptance of registration of product conformity based on the old V-2 "Rules for Voluntary Control Measures" terminated at the end of March 2019. This fiscal year is the fifth year since the period allowing overlap between the new and old rules ended. Judging from the volume of registration of product conformity 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 for Voluntary Control Measures" based on CISPR 32 Edition 2.0

This fiscal year, we revised two guidance documents. "Guidance for Preparing Test Report (for VCCI-CISPR 32)" (VCCI 32-1-A:2023) is a revision of the previous guidance document "Guidance for Preparing Test Report (for VCCI-CISPR 32)" (VCCI 32-1-A:2020). This revision includes additional details on test conditions for testing laboratory descriptions and power supply voltage, which had been revised for ISO 17025. "Guidance for Rules for Voluntary Control Measures" (VCCI 32-1-J:2023) explains all items of "Rules for Voluntary Control Measures" (VCCI 32-1:2016). This revision focuses on our most frequently received member inquiries regarding the previous fiscal year's "Guidance for Rules for Voluntary Control Measures" (VCCI 32-1-J:2022), and applies to the operation of the "Rules for Voluntary Control Measures". Both revised documents came into effect starting December 20, 2023.

We also held a VCCI seminar as the 2023 Info-Communications Promotion Month Event for MIC. From FY 2020, this seminar had been held in on-demand format on the VCCI Council website as a measure against the COVID-19 pandemic. However, this fiscal year, the seminar was held face to face on July 7, 2023 at Kikai Shinko Kaikan for the first time in four years. The seminar's purpose was to introduce VCCI Council's activities for overseas members and provide the latest news, and was streamed as "VCCI Seminar 2023" from November 13 to 24, 2023 on the VCCI Council website. 41 members (including 12 from Taiwan, 8 from the US, 5 from South Korea, 4 from China and Germany respectively, 1 from Canada, Hong Kong, Singapore, and Denmark respectively, and 4 from Japan) participated in the seminar.

Additionally, we held our first "regional seminars" in four years. These were VCCI seminars held at public testing laboratories in regions interested in becoming VCCI members or hosting VCCI seminars. One seminar was held at Gifu Prefectural Industrial Technology Center (Seki City) on July 21, 2023, and another was held in Tokatsu Techno Plaza (Kashiwa City) on February 29, 2024.

(3) MOU operation and talks with overseas institutions

Ongoing MOU operations have been conducted between Japan and the U.S. to mutually recognize data measured in laboratories in both countries. As of the end of March 2024, the numbers of laboratories registered using this system have reached 67 in the U.S., and 56 in Japan. During the international EMC symposium IEEE EMC+SIPI 2023, we exchanged information face to face with three US laboratory-accreditation bodies (A2LA, NVLAP, ANAB). We also participated face-to-face REDCA meetings in May 2023 (Brussels) and November (Lisbon), and gathered reference information on trends in market sampling tests and international standard formulation.

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In June 2023, BSMI, CTCA, and VCCI jointly held a technical seminar in Taiwan.

(4) Enhancement of IT infrastructure security and compliance

Regarding mission-critical system restructuring (to build a new integrated system), we have conducted basic and detailed design, integration testing, and other work, aiming to begin operation in the first half of FY 2024. As in the previous fiscal year, we took thorough measures to prevent the spread of COVID-19 within the office and to ensure readiness in the event of an earthquake.

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 for next term's revisions to the CISPR 32 standard (planned to be issued around December 2026). VCCI Council also promoted activities to propose international standardization of power cable termination conditions at the CISPR, SC-A&I, and JAHG6 conferences.

First, we submitted Japan's proposal for power cable termination conditions for radiated-emission measurement in the CD document for CISPR 32 Ed. 3.0. Regarding the addition of power cable termination condition devices to CISPR/SC-A&I/JAHG6 in preparation for the issuing of CISPR 16-1-4 Ed. 5.0, a CDV document was issued in January 2024, and approved in April. For radiated emission measurement in CISPR 16-2-3, we created a draft CD using power cable termination devices, which is currently under review by CISPR/SC-A&I/JAHG6.

We also addressed important issues relating to future revisions to standards. Specifically, for CISPR/SC-A&I/JTF (which integrates the CISPR 32 and CISPR 16 series), we proposed narrowing down AANs used to measure wired network ports stipulated in CISPR 32 to the CISPR 16 series. For CISPR/SC-A/AHG7 (measurement instrumentation from 18 GHz to 40 GHz), we are considering extending the maximum frequency range for radiated emissions measurements to 40 GHz. Regarding this issue, VCCI Council participated in domestic round robin testing (RRT) led by the National Institute of Information and Communications Technology (NICT). VCCI Council also promoted standardization activities related to the introduction of conducted emissions below 150 kHz to CISPR/SC-H/WG1 (which revises the common standards).

Finally, we participated in the standardization activities of national standards, and submitted our feedback in a CISPR deliberation document.

(2) Hosting of the Technical Symposium

To share information on the results achieved by the Technical Subcommittee with VCCI members, we held the Technical Symposium on February 8, 2024 face to face for the first time in three years. 58 members participated. Theses released by international academic associations were also explained at the Symposium.

(3) Main activities of the Technical Subcommittee and each working group

(a) Technical Subcommittee

We created a document about the international standardization of power cable termination conditions and a contributed document about the addition of power cable termination conditions to the CD document for CISPR 32 Ed. 3.0.

(b) CISPR Project Working Group

The working group 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 members on what was discussed and shared, then reported to members at the technical symposium.

(c) Radiated EMI Working Group

CISPR 32 Ed. 2.1 cites CISPR 16-4-2 Ed. 2.2, and adds calculations of measurement instrumentation uncertainty in the measurement of radiated emissions from hybrid antennas. The application of these standards requires the phase center correction to be calculated. Therefore, we considered methods such as calculation from antenna dimensions, actual measurements, and simulations, and reported the results to members at the technical symposium.

(d) Conducted EMI Working Group

In transformer-coupled AANs, which have been used up until CISPR 32 Ed. 2.0, the voltage/current conversion ratio varied widely depending on the EUT's common-mode impedance, impacting measurement variability and uncertainty. To address this, we prototyped an improved transformer-coupled 8W-AAN, verified whether the voltage/current conversion ratio was improved, and reported the results to members at technical symposium.

(e) Antenna Calibration and Site Validation Working Group

In the interest of protecting radio services, we considered an issue regarding the next revision (CISPR 16 (standards defining measurement methods and measurement-facility validation conditions)): evaluation methods of measurement site validity for measurement of emissions from above 18 GHz to below 40 GHz. We participated in RRT (round robin testing) led by NICT, and found that if site VSWR results up to 18 GHz satisfied the CISPR limit (6 dB), site VSWR validation measurements for the 18-GHz to 40-GHz band could be omitted. This finding was reported at technical symposium. (f)VHF-LISN Working Group

The working group reported, to VCCI members at the technical

symposium, on its activities in the Joint Ad Hoc Group (JAHG6) (consisting of CISPR SC-A and SC-I) for promoting VHF-LISN international standardization, including addition of devices to CISPR 16-1-4 Ed.5.0 initiated by VCCI Council and proposal for measurement using power cable termination devices for radiated disturbance measurements to CISPR 16-2-3. The working group also reported on content of papers posted to international EMC symposiums in 2023 at technical symposium.

(4) Activities with academic associations

(adoption and posting of three papers)

We presented the following papers at the following international symposiums

(a) 2023 APEMC & INCEMIC (Bengaluru, India) (May 2023)

"Investigation of Influence on Radiated Emission Measurement by Unbalanced VHF-LISN"

(b) 2023 IEEE EMC+SIPI (Michigan, USA) (July to August 2023)

- "Issues on AC Mains Cable Termination by CMAD"
- · "Influence of Antenna Height Scan in Radiated Emission Measurement above 1 GHz"

NOTE · CD : Committee Draft

- · CDV : Committee Draft for Vote · EUT : Equipment Under Test · SAC : Semi-Anechoic Chamber
- · AAN: Asymmetric Artificial Network
- FSOATS : Free Space Open Area Test Site
- OATS: Open Area Test Site
- VHF-LISN: Very High Frequency Line Impedance Stabilization Network
- JAHG6 : Joint ad hoc group 6

International Relations Subcommittee

Through the promotion of cooperation and collaboration with related organizations around the world, the subcommittee contributes to the proper operation of the VCCI Council and provides highly accurate information to our members by investigating standards and operational rules in various countries and regions.

Overseas situational awareness activities

(1) Hosting of the International Forum

VCCI International Forum 2024 was held in face-to-face format at the United Nations University on March 8, 2024. We invited one speaker each from the US (ANSI C63.4WG) and the European Union (EU Commission), who held lectures at the event.

There were 56 member attendees: mostly manufacturers and testing laboratories in Japan, but also overseas members. The total number of attendees, including affiliates, was 85. Footage of the lectures were was recorded, and the video and audio edited into Japanese and English versions. The resulting lecture videos were also made available on demand to members in Japan and overseas. These videos were accessed 247 times.

(2) Update to the world ITE/MME standards table

A survey on the status of emission standards and immunity standards was held in 25 countries and regions including Japan, the U.S., Europe, China, and Australia, and results were published on the website in July 2023.

(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. Information whose provision began in April 2016 was updated as needed. Updates were made in April, May, September, October, November, and December 2023, as well as February 2024.

(4) Overseas surveys

This fiscal year's survey was postponed.

NOTE · ANSI: American National Standards Institute









Mr. Andy Griffin International Forum

Mr. Luis Miguel VEGA FIDALGO

Market Sampling Test Subcommittee

Checks if registration of product conformity 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 tests

Market sampling tests were conducted in accordance with the Rules for Voluntary Control Measures. A total of 100 products were tested (of which 35 were loaned and 65 were purchased), and products included personal computers, peripheral terminals, digital cameras, and LAN-related devices. Of the 100 products, registration of product conformity were filed based on the VCCI 32-1 current rules for 98 products. The test results are shown in the table below. In the first round of judgment, 94 of 100 products passed, and 6 products were "Failed-tentative". Of the 6 "Failed-tentative" products, 3 products responsible VCCI member admitted to failing after detailed investigation into the product's conformity with the rules, 1 "Failedtentative" product subsequently passed after detailed investigation. The remaining 2 "Failed-tentative" product is being investigated in detail by the members.

The results at the end of March 2024 show that of the selected items for FY 2023, 95 passed, 3 failed, and 2 are being investigated in detail by the members in question (to undergo additional investigation in FY 2024). Furthermore, 1 product that was "Failed-tentative" in FY 2022 and underwent additional detailed investigation in FY 2023 was admitted to have failed by the member in question. This brings the total number of failed products for FY 2023 to 4. Information on failed products such as company name, model name, and other details is planned to be published in "VCCI Davori" No. 152 (April 2024) onward with consent from the members in question.

Sampling tests found more products than the previous fiscal year, but no serious violations. 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 Market sampling test results

	Tests on loaned samples				Tests on purchased samples				
Quarter	I	I	II	IV	I	II	Ш	IV	Total
Passed	7	8	9	9	9	15	19	19	95
Failed	0	0	0	0	1	1*1	1	1	4
Pending ("Failed- tentative" survey in progress)	0	1	0	1	0	0	0	0	2
Total	7	9	9	10	10	16	20	20	101

*1:Product that "Failed-tentative" in FY 2022 and is being additionally investigated in FY 2023

(2) Document Inspection

From members, we received 40 test reports filed with conformity verification reports, and our inspection results show that 82 issues relating to electrical characteristics were identified. Of these, 1 report had insufficient test items and 1 report had inappropriate test conditions. We requested the members in question to conduct additional tests and re-inspected the results. New test reports for 2 products were re-examined and confirmed to satisfy the standard Regarding issues other than electrical characteristics. 1 product had an inappropriate VCCI mark or warning statement displayed on the equipment, and 14 had inappropriate warning statements in instruction manuals. The members in question were notified and asked to take corrective measures, and the corrections have been 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 (1,257 models from 92 members) by checking store shelves of mass retailers. 928 products (73.8%) were confirmed to have the VCCI mark, while 329 products (26.2%) could not be confirmed to have the mark in stores because the products were mockups or electronically displayed.

In regard to VCCI-member products with VCCI marks, we identified 20 products from 8 companies whose consistency with the submitted information was not immediately apparent. The breakdown is as follows: 7 companies failed to file necessary information, and 1 company was found to have already submitted the information upon later investigation. The 7 companies that failed to file necessary information have all completed their submissions.

Additionally, upon investigation, we found a non-member product displaying the VCCI mark. The company in question will be invited to become a member of VCCL

(4) Improvement activities

At the VCCI seminar held at the Info-Communications Promotion Month event and the regional seminars held at Gifu and Chiba Prefectures, we talked about the status of sampling tests, document inspections, and surveys on display of the VCCI mark in regard to market surveys. At the collaborative seminar held by CTCA, BSMI, and VCCI in June

2023 in Taiwan, we talked about VCCI market sampling tests.

Additionally, a revised version of "Guidance for Rules for Voluntary Control Measures" was issued in December 2023. At the technical symposium held in February 2024, we gave a talk about this guidance document to disseminate this information to members.

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 Report" in Japanese and English, creating and distributing PR brochures and calendars, and participating in exhibitions.

Public relations activities

(1) TECHNO-FRONTIER 2023 (venue: Tokyo Big Sight)

Face-to-face exhibition: July 26 to July 28 Online exhibition: August 1 to August 31

TECHNO-FRONTIER was held for a third time in a mixed onlineand-offline (face-to-face) format. At the online exhibition, relevant VCCI materials were published.

(2) CEATEC 2023 (venue: Makuhari Messe)

- Face-to-face exhibition: October 16 to October 20

We received answers to our questionnaire from 202 participants. We no longer hold this exhibition online, and only provide a web page containing exhibitor information.

(3) COMPUTEX TAIPEI 2023 (venue: Taipei Nangang **Exhibition Center**)

- Period: May 30 to June 2 This event was held for the first time in five years. We held a VCCI seminar for startups at our booth.



(4) Illuminated billboard advertising To raise awareness of the VCCI mark, VCCI Council continued to

post illuminated billboard advertisements in both the baggage claim area of Haneda Airport Terminal 1 and JR Osaka Station.

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

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

(6) Vision for Regional Cities

We periodically broadcast our 30-second video at Vision for Regional Cities in a total of 12 cities across the country.

- Broadcast cities: Shizuoka, Sapporo, Sendai, Nagoya, Naha, Kanazawa, Takamatsu, Okayama, Hakata, Kumamoto, Hiroshima, Koriyama (Fukushima).

(7) Issuing of the newsletter "VCCI Dayori" and annual report VCCI Council issued "VCCI Dayori" (Japanese and English versions)

No.148 to No.151, and published them on the VCCI Council website. The 2022 annual report (Japanese and English versions) was also issued in August 2023 and posted on the website

(8) Creation of 2024 desktop calendars,

and wall calendars for overseas members

We created desktop calendars for distribution at future exhibitions and for visitors. We also created wall calendars and sent them to overseas members.

(9) Partial website translation into multiple languages

Regarding the text language for the VCCI Council website: Topics for which we receive relatively frequent inquiries such as joining or leaving VCCI, applicable scope, and flow of voluntary-control implementation were translated into multiple languages, leading up to FY 2023. These languages were Chinese (simplified), Taiwanese (traditional), and Korean (hangul).

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

As part of the environmental improvements and awareness-raising activities to establish the "Rules for Voluntary Control Measures" (VCCI 32-1), four types of education and training seminars were held according to the Technical Requirements" (VCCI-CISPR 32)

Training seminars consisting only of classroom lectures were held in online format (livestreaming) to prevent the spread of the COVID-19 pandemic. Training seminars including hands-on training were conducted face to face in line with the approach taken by the government and municipalities. The seminars were held in collaboration with three testing laboratories (JQA, TELEC, and KEC) that served as the venues for the hands-on training, with COVID-19-prevention measures put in place.

This fiscal year, we completed the establishment of the task forces that had been under consideration since FY 2022, and held two types of updated training seminars. Specifically, we integrated the common aspects of our training seminars, which until FY 2022 had been divided into two categories. These categories were "below 1 GHz" (2 days: classroom lectures, 2 days: handson training) and "above 1 GHz" (1 day: classroom lectures, 1 day: hands-on training). Post-integration, these common aspects are now available as one training seminar (2 days: classroom lectures, 2 days: hands-on training). This means that attendees can learn about all measurement methods stipulated in the "Technical Requirements" in one seminar, improving the cost-effectiveness of seminars. Next, we extended the period of the "EMI measurement instrumentation uncertainty" training seminar from one to two days in order to provide plenty of MIU-calculation exercise problems and ensure that attendees have enough time to do their own MIU calculations. This secured enough time for attendees to calculate the MIU for each measurement method and solve exercise problems during sessions, a much-requested improvement in last year' s attendee questionnaire, and improved attendee satisfaction. Also, we now

officially conduct comprehension checks, which we trialed in FY 2022, at the end of each training seminar, thus enabling attendees to reflect on what they learned. Lecturers can also analyze the results of these comprehension checks to identify which points to emphasize in their explanations.

Textbooks for each lecture were revised to reflect the guidance document issued in FY 2022 and feedback from the FY-2022 questionnaire results

(1) Education and training seminars

(a) The basic technique of EMI measurement (1 day: Classroom lectures): Held twice a year

We held training seminars for teaching the basics of the course for beginner measurement engineers and the knowledge necessary to proceed to the education and training seminar "The basic of electromagnetic waves, EMI measurement technique". One seminar was held in Mav. and another in October 2023, with certificates of attendance given to a total of 26 attendees.

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

(4 days: Classroom lectures + hands-on training): Held twice a year Two training seminars including hands-on training were held in November 2023. These seminars provided technical instruction for radiated (below 1 GHz and above 1 GHz) and conducted emissions measurement and validation of test sites necessary when conducting conformity confirmation tests. A total of 15 attendees received completion certificates.

(c) The level up of the EMI measurement technique (1 day: Classroom lectures): Held once a year

This training seminar was for promoting a deeper understanding of measurement procedures needed to correctly measure the maximum emission level, automatic and manual measurement setting methods. and handling of measurement instruments. The seminar was held once in January 2024, with certificates of attendance given to 9 attendees. (d) EMI measurement instrumentation uncertainty (MIU) (2 days:

Classroom lectures): Held once a year

This training seminar was for teaching how to calculate measurement instrumentation uncertainty (MIU) used in conformity confirmation tests according to the "Technical Requirements" (VCCI-CISPR 32). The seminar was held once in February 2024, with certificates of attendance given to 15 attendees.

(2) PR activities for training seminars

Information on the training seminars was published on the VCCI Council website (in the event calendar for training seminars) and distributed via email. We also widely publicized the content of the seminars not only to members but also to non-members, for example by individually emailing information on these training seminars to last fiscal year's attendees, and conducted strategic activities to promote attendance.

NOTE . JOA: Japan Quality Assurance Organization

TELEC: Telecom Engineering Center

KEC: Kansai Electronic Industry Development Center.



Hands-on training

Registration Committee for Measurement Facilities Inspects registered measurement facilities against the VCCI requirements,

and determines the validity of their registration 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 in FY 2023 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 facilities registered in FY 2023

(a) Number of facilities registered via inspections: 500 (of which 352

Were triose refrewed)		
Category of Measurement Facility	Number of Registered Facilities	(FY 2022)
Radiated emissions (below 1 GHz)	143	(121)
Mains port conducted emissions	125	(107)
Telecommunication (wired network) port conducted emissions	115	(83)
Radiated emissions (above 1GHz)	117	(103)

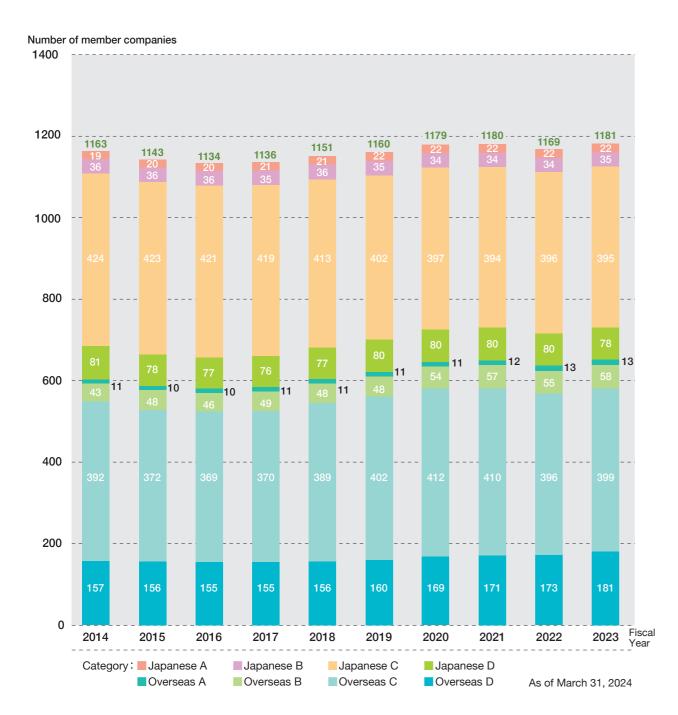
(b) Number of registered laboratories accredited by accreditation bodies: 90

(2) Total number of facilities registered as of March 31, 2024 (a) Total number of facilities registered via inspections: 1,331

(4)					
Category of Measurement Facility	Number of Registered Facilities	(FY 2022)			
Radiated emissions (below 1 GHz)	362	(350)			
Mains port conducted emissions	335	(326)			
Telecommunication (wired network) port conducted emissions	296	(281)			
Radiated emissions (above 1GHz)	338	(324)			

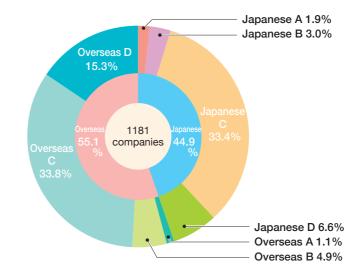
(b) Number of registered laboratories accredited by accreditation bodies: 123

» Trends in Membership



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



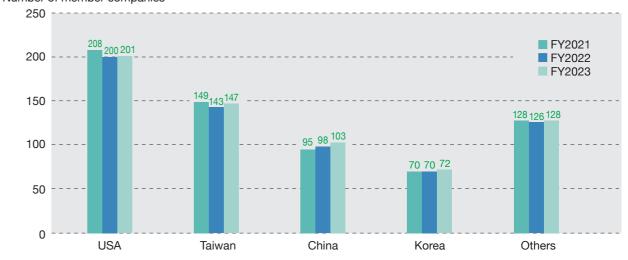
Member	Number of	%
category	Members	
Japanese A	22	1.9%
Japanese B	35	3.0%
Japanese C	395	33.4%
Japanese D	78	6.6%
Overseas A	13	1.1%
Overseas B	58	4.9%
Overseas C	399	33.8%
Overseas D	181	15.3%
Total	1181	100%

» Composition of Overseas Members

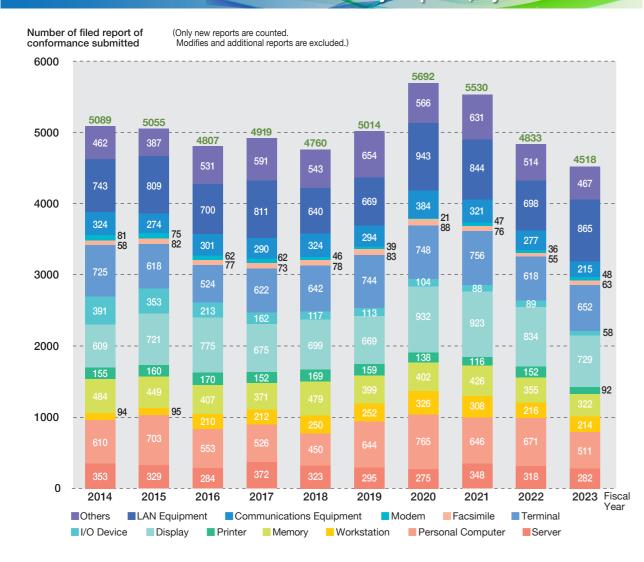


Country or Region Name	Number of Members	
USA	201	30.9%
■ Taiwan	147	22.6%
China	103	15.8%
Korea	72	11.1%
Others (25 countries)	128	19.7%
Total	651	100%

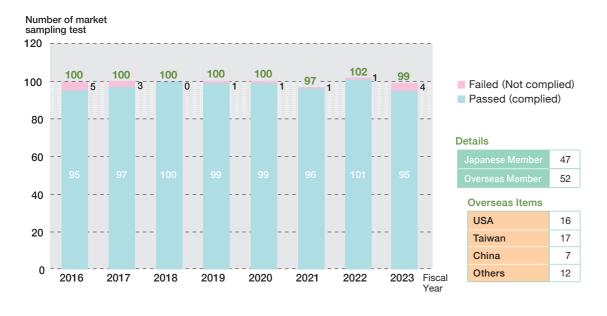
Number of member companies



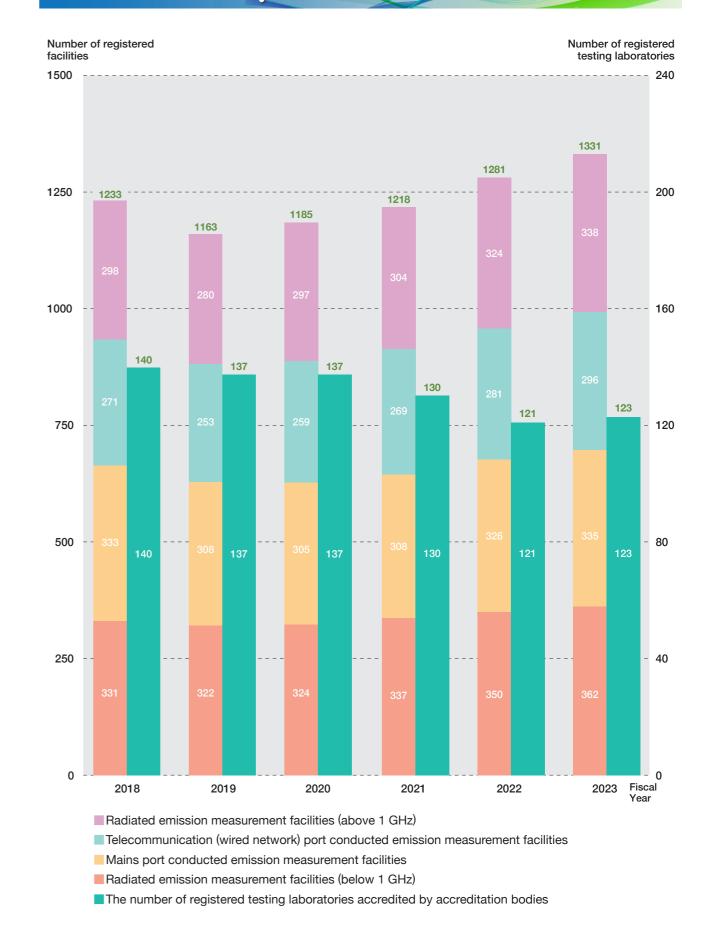
» Trends in Number of Filed Conformity Reports, by Product



» Trends in Market Sampling Test Results



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



VCCI Annual Report April 2023-March 2024

VCCI Annual Report April 2023-March 2024

» VCCI Council Member List

Regular Members

<Japanese>

No. Company Name

- 2323 A.T. WORKS, Inc.
- 2478 A2 Corporation
- 1355 ABIT CORPORATION
- 3873 Acco Brands Japan K.K.
- Acer Japan Corp.
- Adtran Networks Japan
- 35 ADVANTEST CORPORATION
- Aggregate., co. ltd
- AhnLab. Inc.
- 47 AIPHONE CO., LTD.
- 2335 ALAXALA Networks Corporation
- 459 ALEXON CO., LTD.
- 1317 ALF INC.
- 231 Allied Telesis K.K. 3357 ALNETZ CO., LTD.
- ALPS ALPINE CO., LTD. 76
- 43 ANRITSU CORPORATION
- 3682 AOPEN JAPAN INC.
- 4304 APR JAPAN Co., Ltd.
- APRESIA Systems, Ltd. 3047 Array Corporation
- 4315 Ascon Co., Ltd.
- 4051 Asuka Solution Company Limited
- 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
- BILLCON CORPORATION
- 2993 BIOS Corporation
- 130 BIPROGY Inc.
- Bktel Pacific Rim (Japan) Inc. 2957
- 2683 BMT Co., LTD.
- 913 Brains Corporation 21 Brother Industries, Ltd.
- 933 BUFFALO INC.

[C]

- 4293 C.T.MACHINERY CO., LTD.
- 3910 Canare Electric Co., Ltd.
- CANON ELECTRONICS INC.
- 1386 CANON FINETECH NISCA INC.
- 49 Canon Inc.
- 883 Canon Marketing Japan Inc.
- 3129 Cansystem Co., Ltd.
- CASIO COMPUTER CO., LTD. 54
- 3810 CASO Inc.
- 3678 Cellstar Industries Co., Ltd.
- 2395 Central Engineering Corporation CENTURY SYSTEMS Co., Ltd.
- CHUO ELECTRONICS CO., LTD.
- CITIZEN SYSTEMS JAPAN CO., LTD.
- 71 Comota Co., Ltd.
- 4338 ComWorth Co., Ltd.
- 1206 CONTEC CO., LTD.

- 3232 CPI Technologies, Inc.
- 3881 Crafty Co., Ltd.

- 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
- 3346 DMC Co., Ltd.
- 4167 DREAM MAKER CO., LTD.
- Duplo Seiko Corporation
- 3848 DUX Inc
- 3476 DX ANTENNA CO., LTD.
- 1026 DYDEN CORPORATION
- 3741 Dynabook Inc.

[E]

- 3378 e-Broad Communications Inc.
- 4181 Eaton Electric Japan KK
- 3922 Ecomott Inc.
- EIZO Corporation 137
- 3254 ELECOM CO., LTD.
- 3052 ELSA Japan Inc. 3593 Empathy Co., Ltd.
- 1525 EPSON DIRECT CORPORATION
- 1091 EXCEL CO., LTD.

- 1066 FCL COMPONENTS LIMITED
- 4212 FG-Lab Inc.
- 3576 Fibergate Inc.
- 3769 FOVE Co., Ltd.
- 4119 FS JAPAN CO., LTD. Fuji Electric Co., Ltd.
- 2331 Fuji Electric Co., Ltd.
- FUJIFILM Business Innovation Corp.
- FUJIFILM Corporation
- 3671 FUJIFILM Digital Solutions Co., Ltd.
- 670 FUJIFILM Imaging Systems Co., Ltd.
- 253 Fuiikura Ltd.
- 704 Fuiikura Solutions Ltd.
- 3320 FUJISOFT INCORPORATED
- 3835 FUJITSU CLIENT COMPUTING LIMITED
- 1500 FUJITSU FRONTECH LIMITED
- 20 FUJITSU ISOTEC LIMITED
- Fujitsu Limited
- 1650 FUJITSU NETWORK SOLUTIONS 34 FUNAI ELECTRONIC CO., LTD.
- 1561 FURUNO SYSTEMS Co., Ltd. 3355 FUTURE CONNECT, LTD.
- 1138 FXC Inc.
 - [G]
- 3802 G-Printec, Inc.
- 4070 GES Japan Co., Ltd.
- 3765 GLBB JAPAN
- 4165 GLEAN CORPORATION GLORY AZ System Co., LTD.
- GLORY LTD.

- 4116 GLSolutions Inc.
- 3686 Godspeed. Co., Ltd
- GRAPHTEC 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
- 4348 Hakusan Inc.
- 2740 HARVEST CO., LTD.
- Hewlett-Packard Japan, G.K.
- HIRAKAWA HEWTECH CORP. 4299 Hirschmann Automation and Control K.K.
- 2347 Hitachi Channel Solutions, 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.
- Hitachi Kokusai Electric Inc.
- 371 Hitachi Solutions Technology, Ltd.
- 1850 Hitachi-LG Data Storage, Inc. 2 Hitachi, Ltd.
- 3079 HOCHIKI CORPORATION
- 606 Horizon Inc. 1518 Hosiden Corporation
- 4219 HOUSEI Inc.
- 3706 Housing Exterior Division LIXIL Co., Ltd.
- 3638 HP Japan Inc. 4317 HuMANDATA LTD
- 2629 HYTEC INTER Co., Ltd.

- 1326 I-O DATA DEVICE, INC.
- 4190 I-PEX Inc.
- 4022 i-PRO Co., Ltd.
- 3269 iB Solution Co., Ltd.
- 4267 IBIS Inc.
- 23 IBM Japan, Ltd
- 1329 ICOM Inc.
- 3438 iD corporation
- 3495 IDEC AUTO-ID SOLUTIONS CO., LTD. 3494 IDEC CORPORATION
- 3073 IDK Corporation
- 151 Ikegami Tsushinki Co., Ltd. 4019 Illumina K.K.
- 1191 IMAGENICS. CO., LTD.
- 4248 iMercury
- 3280 impactTV, INC
- 3493 INABA DENKI SANGYO CO., LTD. 808 iND Co., Ltd.
- 1429 Infinico Corporation
- 3768 INNOTECK CORPORATION

Interface Corporation

- 338 Intel K.K.
- IRIICHI TECHNOLOGIES INC. 4254 IRIS OHYAMA Inc.
- 946 ISA Co., Ltd.
- 3942 ITC Co., Ltd.

- 2978 ITUS Japan Co., Ltd.
- IWATSU ELECTRIC CO., LTD.

[J]

- 4137 J-Mobile Corporation
- Janome Sewing Machine Co., Ltd.
- Japan Aviation Electronics Industry, Limited
- Japan Cash Machine Co., Ltd.
- 4270 Japan Display Inc.
- 874 Japan Electronics Ind., Inc.
- 96
- Japan Radio Co., Ltd. 1836 Japan Telegartner Limited
- JB Advanced Technology Corporation 3980 JOLED Inc.

Systems Corporation

30 JVC KENWOOD Corporation JVC KENWOOD Public & Industrial

- KABUTOYAMA WORKS CO., LTD KAGA ELECTRONICS CO., LTD.
- KANAI ELECTRONIC APPLIANCE Co., Ltd. 1488 Kanematsu Electronics Ltd.
- Kawamura Flectric Inc. 1609 841 **KDDI** Corporation
- KEYENCE CORPORATION Keysight Technologies Japan K.K.
- KING TSUSHIN KOGYO CO.,LTD
- 865 KINGJIM CO., LTD.
- 3804 Kioxia Corporation 539 Kobayashi Create Co., Ltd.
- 160 Kodak Alaris Japan Corporation
- KOGA ELECTRONICS CO. 1067 KOITO ELECTRIC INDUSTRIES, LTD.
- 888 KOKUYO Co., Ltd.

KONICA MINOLTA JAPAN, INC.

172 KONICA MINOLTA, INC.

908

2506

- KOSHIN DENKI KOGYO CO., LTD. 3762 Kpnetworks Ltd.
- **KS** Corporation
- KUBOTEK CORPORATION 2537 Kumahira Co., Ltd.
- KYOCERA Document Solutions Inc.
- 2394 KYOKKO SEIKO CO., LTD.
- 4263 Kyokuto Trading Inc. 2138 KYOWA TECHNOLOGIES CO., LTD

4232 KYUSHU TEN LIMITED

- [L]
- LAUREL BANK MACHINES CO., LTD.
- 2573 Laurel Intelligent Systems Co., Ltd. 3611 Lenovo Enterprise Solutions LLC
- 2420 Lenovo Japan LLC
- 3004 LET's corporation 19 LIMNO Co., Ltd.
- 4077 LIVING ROBOT INC.

3266 Logitec INA Solutions Co., Ltd.

- [M] 4337 Maruenu Co., Ltd.
- MASPRO DENKOH CORP.

Matsumura Engineering Co., Ltd.

MC SECURITY Co., Ltd.

MEIDENSHA CORPORATION

- 1118 MAX CO., LTD. Maxell, I td.
- 3296 Meiko Embedded Products, Ltd.

- 2360 Miharu Communications Inc.
- 311 MIMAKI ENGINEERING CO., LTD.
- 344 MintWave Co., Ltd. 4129 MIS Corporation
- 1932 MITACHI CO., LTD.
- 4276 Mitsubishi Electric Building Solutions Corporation
- Mitsubishi Electric Corpration
- 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. MITSUMI ELECTRIC CO., LTD. MIYAKAWA ELECTRIC WORKS LTD.

Murata Manufacturing Co., Ltd.

- MOBILE COMMERCE SOLUTION Inc.
- 3258 mofiria Corporation MURATA MACHINERY, LTD

MUTOH INDUSTRIES, LTD.

- 82 NAGANO JAPAN RADIO CO., LTD. 2505 NAGATSUKA
- NAGOYA ELECTRIC WORKS CO., LTD. 3290 NAITO DENSEI MACHIDA MFG.CO.,LTD.
- NAKAYO, INC. 3546 NANABOSHI ELECTRIC MFG. CO., LTD.
- 126 NCR Commerce Japan Ltd. 2196 NCR Services Japan, Ltd
- 3870 NEC Communication Systems, Ltd. **NEC Corporation**
- 2729 NEC Magnus Communications NEC Network and Sensor Systems, Ltd
- NEC Networks & System Integration Corporation NEC Personal Computers, Ltd.
- NEC Platforms, Ltd.
- 2644 NEC Solution Innovators, Ltd.
- Newtech Co., Ltd.
- 4133 Nextorage Corporation 450 NHK SPRING CO., LTD.
- 3836 NICHIEI INTEC CO., LTD
- 1566 Nichigaku Co., Ltd. 356 NIKON CORPORATION
- 1671 NIKON VISION CO., LTD. 1363 NIKON-TRIMBLE CO., LTD.
- 119 Nintendo Co., Ltd. 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 4271 NITTO KOGYO CORPORATION
- 3511 Nokia Solutions and Networks Japan GG 3506 NORITAKE ITRON CORPORATION

394 NTT Advanced Technology Corporation

NTT Innovative Devices Corporation

- 1275 NTT Communications Corporation NTT DATA Japan Corporation
- 4210 NTT PC Communications Incorporated 4245 NTT Sonority Inc.

4310 NTT TechnoCross Corporation

- 443 OA LABORATORY CO., LTD.

3643 NTTDATA INTELLILLINK CORPORATION

- 3237 ODS Corporation
- 4206 OHASHI SANGYO & CO., LTD. 197 Oi Electric Co., Ltd.
- Oki Electric Industry Co., Ltd.
- 4131 OM Digital Solutions Corporation
- 56 OMRON Corporation
- 2857 OMRON HEALTHCARE CO., LTD.
- 3939 OMRON SOCIAL SOLUTIONS CO., LTD. 1812 OPTOELECTRONICS Co., Ltd.

223 Oracle Information Systems (Japan) G.K.

- 4241 Panasonic Automotive Systems Co., Ltd.
- Panasonic Connect Co., Ltd.
- 4242 Panasonic Corporation
- 1780 Panasonic Electric Works Networks Co., Ltd. 4088 Panasonic Energy Co., Ltd.
- 4240 Panasonic Entertainment &
- Communication Co., Ltd. Panasonic Holdings Corporation
- 4355 Panasonic Housing Solutions Co., Ltd. 4239 Panasonic Industry Co., Ltd. 144 PFU Limited
- PHC Corporation 3104 PicoCELA Inc.
- 3977 PiNON Corp. PIONEER ELECTRONIC CORPORATION
- 1448 Pixela Corporation 1364 PLANEX COMMUNICATIONS, Inc.
- 3628 Plat' Home Co., Ltd. 545 PLUS Corporation 2661 Primagest, Inc.
- 4172 PRIMETECH ENGINEERING CORP. 2041 Princeton Ltd.

3840 Project Ryukyu Co., Ltd

- 4029 QD Laser, Inc. 2651 Qualica Inc.

2203 QUIXUN PRODUCTS CO., LTD.

- 4024 RAKUS HR Tech Co., Ltd. 763 RATOC Systems, Inc. 4213 Rhino Products Co ..Ltd.
- 4231 Richemont Japan Ltd. Ricoh Co., Ltd.

690 RICOH IMAGING COMPANY, LTD.

4343 Ricoh Industrial Solutions Inc.

- RICOH INDUSTRY CO., LTD. 3692 RION CO., LTD.
- 175 RISO KAGAKU CORPORATION ROLAND DG CORPORATION
- 1708 Routrek Networks, Inc. 3716 Rubrik Japan KK 3573 RYOWA ELECTRONICS CO., LTD.

3995 SAKAKI CORPORATION

351 SANEI ELECTRIC INC.

3909 Sangikyo Corporation

SANKEN ELECTRIC CO., LTD.

4323 SANDEN KOGYO CORPORATION

10 VCCI Annual Report April 2023-March 2024

2881 SANWA SUPPLY INC.	4063 TJ Japan Co., Ltd.	<overseas></overseas>	574 Avision Inc. (TAIWAN)	2486 D&T Inc. (KOREA)	2419 GOOD WAY TECHNOLOGY CO., LTD.
920 SANYO DENKI CO., LTD.	3516 TKR CORPORATION	No. Company (Country or Region Name)		4319 DapuStor Corporation (CHINA)	(TAIWAN)
355 SATO CORPORATION	3952 Tobila Systems Inc.	[A]	[B]	3693 Darfon Electronics Corp. (TAIWAN)	3078 Google LLC (USA)
3799 SATSUKI CO., LTD.	179 TOEI ELECTRONICS CO., LTD.	4141 A.W.Chesteron Company (USA)	3615 b-plus technologies GmbH (GERMANY)	2033 DASAN Network Solutions, Inc. (KOREA)	3824 Goomedi Laboratories, Ltd. (TAIWAN)
127 SAXA, Inc.	4307 TOKYO ELECTRON DEVICE LIMITED	2548 A10 Networks, Inc. (USA)	3453 Bad Elf, LLC (USA)	4336 DASAN Networks, Inc. (KOREA)	3905 Gosuncn Technology Group Co., Ltd.
4110 SCALA K.K.	1399 TOKYO ELECTRON DEVICE NAGASAKI LIMITED	3955 AAEON Technology Inc. (TAIWAN)	2085 BARCO, INC. (USA)	3251 DataDirect Networks, Inc. (USA)	(CHINA)
451 SCREEN Graphic Solutions Co., Ltd.	2490 TOMY Company, Ltd.	3603 Aava Mobile Oy (FINLAND)	4176 Baytec Limited (HONG KONG)	131 Datalogic Srl (ITALY)	3920 Guangdong Chuntex Elite Electronic
55 SEIKO EPSON CORPORATION	2867 TOPPAN Edge Inc.	4040 AB Circle Limited (HONG KONG)	4330 Beijing Xiaomi Electronics Co., Ltd. (CHINA)	4109 Datecs Ltd. (BULGARIA)	Technology Co., Ltd (CHINA)
50 Seiko Instruments Inc.	2047 Toppan Printing Co., Ltd.	1170 AcBel Polytech Inc. (TAIWAN)	676 BenQ Corporation. (TAIWAN)	527 Dell Inc. (USA)	4308 Guangdong OPPO Mobile
3484 SEIKO Solutions Inc.	1669 Topre Corporation	3314 Accedian Networks Inc. (CANADA)	4328 Biamp Systems, LLC (USA)	568 DELTA ELECTRONICS, Inc. (TAIWAN)	Telecommunications Corp., Ltd. (CHINA)
3602 SEITEC CO., LTD.	244 TOSHIBA DIGITAL SOLUTIONS CORPORATION	3945 Access Limited (U.K.)	2964 BizLink Technology Inc. (USA)	3045 Delta Electronics, Inc. (TAIWAN)	5.0
777 SEIWA ELECTRIC MFG CO., LTD.	3825 Toshiba Electronic Device & Storage Corporation	379 ACCTON Technology Corp. (TAIWAN)	4115 Bloomberg LP (USA)	671 Digi International Inc. (USA)	[H]
514 SEKONIC CORPORATION	3459 Toshiba Global Commerce Solutions	4339 Acer (Chong qing) Ltd. (CHINA)	3076 Bosch Security Systems	3989 DIGIEVER Corporation (TAIWAN)	4285 H2VR HOLDCO INC (USA)
13 Sharp Corporation	Holdings Corporation	215 Acer Incorporated (TAIWAN)	(THE NETHERLANDS)	3777 Digital Check Corporation (USA)	2791 Handreamnet, CO., LTD (KOREA)
1394 Sharp NEC Display Solutions, Ltd.	37 Toshiba Infrastructure Systems &	4226 Acroname Inc. (USA) 4060 Actions Microelectronics Co., Ltd. (CHINA)	4161 Bosch Sensortec GmbH (GERMANY) 4333 BRITZMEDI (KOREA)	1461 DIVA Laboratories, Ltd. (TAIWAN) 3868 DupliCALL Co., Ltd. (CHINA)	4208 Hefei Huntkey Display Technology Co., Ltd.
3167 Shin Shin Co., Ltd. 3710 Shin Shin Tech. Co. Ltd.	Solutions Corporation 1939 TOSHIBA LIFESTYLE PRODUCTS &	2353 ADATA Technology Co., Ltd. (TAIWAN)		3868 DupliCALL Co., Ltd. (CHINA) 4314 Dynaview Technology Corporation (TAIWAN)	(CHINA) 3759 HFR, Inc. (KOREA)
193 Shindengen Electric Manufacturing Co., Ltd.	SERVICES CORPORATION	2952 Advanced Card Systems Limited	1809 Broadcom Corporation (USA) 2766 Brocade Communications Systems LLC	339 DZS Inc. (USA)	3059 HID Global Corporation (USA)
73 SHINKO SEISAKUSHO CO., LTD.	3403 Toshiba Lighting & Technology Corporation	(HONG KONG)	(USA)	339 DZ3 IIIC. (U3A)	4195 HKC OVERSEAS LIMITED (CHINA)
3673 Shinsei Corporation	48 TOSHIBA TEC CORPORATION	1320 ADVANTECH CO., LTD. (TAIWAN)	4316 BYSTAMP (FRANCE)	(E)	1724 Hon Hai Precision Industry Co., Ltd.
341 SHINSEI INDUSTRIES CO., LTD.	797 Touch Panel Systems K.K.	4325 Ahead, Inc. (USA)	4010 BIOTAIVII (ITIAIVOL)	3791 EDGECORE NETWORKS CORPORATION	(TAIWAN)
2868 SHOFU INC.	4032 TRaaS On Product Inc.	4312 AIC Inc. (TAIWAN)	[C]	(TAIWAN)	3235 Honeywell Safety and Productivity Solutions
1922 SIGMA CORPORATION	3018 Transaction Media Networks Inc.	4332 AlMobile Co., Ltd. (TAIWAN)	3755 Cadence Design Systems, Inc. (USA)	1482 Edimax Technology Co., Ltd. (TAIWAN)	(SPS) (USA)
434 silex technology, Inc.	2269 Transtron Inc.	4204 Airspan Networks Inc. (USA)	3985 CalDigit Inc. (USA)	877 Elitegroup Computer Systems Co., Ltd.	3837 Hong Kong Colorful Yugong Technology
4302 Silhouette Japan Corporation	2309 Trend Micro Incorporated	3419 AlSolution (KOREA)	2135 佳能電產香港有限公司 (HONG KONG)	(TAIWAN)	Limited (CHINA)
153 SINFONIA TECHNOLOGY Co., LTD.	·	3201 AJA Video Systems Inc. (USA)	3630 Canon Korea Inc. (KOREA)	4000 Endace Limited (NEW ZEALAND)	4335 HONGFUJIN PRECISION ELECTRONICS
3854 SINKA Corporation	[U]	3631 ALDEBARAN (FRANCE)	3261 Canon Production Printing Netherlands	3457 Ergotron, Inc. (USA)	(CHONGQING) CO., LTD. (CHINA)
2093 Sknet Corporation Ltd.	907 UCHIDA YOKO CO., LTD.	3949 ALE International (FRANCE)	B.V. (THE NETHERLANDS)	3823 ESSENCORE LIMITED (HONG KONG)	578 HP Inc. UK Limited (U.K.)
3502 Smart Solution Technology, Inc.	4076 UCOS Co., Ltd.	4313 Alibaba Cloud Computing Co., Ltd. (CHINA)	3957 Carl Zeiss AG (GERMANY)	1080 EtherWAN Systems Inc. (TAIWAN)	4001 Huaqin Technology Co., Ltd. (CHINA)
795 SMK Corporation	582 UMEZAWA TECHNICAL LABORATORY CO., LTD.	2383 Alpha Networks Inc. (TAIWAN)	3449 Castles Technology Co., Ltd. (TAIWAN)	3271 Eurofins TA Technology (Shanghai) Co., Ltd.	4008 Huawei Device Co., Ltd. (CHINA)
1489 SocioFuture, Ltd.	2045 UNIADEX, Ltd.	3504 Alvaria, Inc. (USA)	3035 CCIC Southern Testing Co., Ltd. (CHINA)	(CHINA)	4220 Huawei Digital Power Technologies Co., Ltd.
3247 SoftBank Corp.	3144 Unitech Japan co., Ltd.	3972 Amazon Web Services, Inc. (USA)	3679 Celestica Technology Consultancy	3608 Eve Systems GmbH (GERMANY)	(CHINA)
3880 SolarEdge Technologies Japan Co., Ltd.	2087 UNITEX Corporation	1565 AMD (CANADA)	(Shanghai) Co., Ltd. (CHINA)	2732 EVOLIS (FRANCE)	1968 Huawei Technologies Co., Ltd. (CHINA)
3620 Sony Corporation	3633 UPS Solutions Co., Ltd.	4042 Amino Communications Ltd. (U.K.)	2015 Check Point Software Technologies Ltd.	2889 ExaGrid Systems, Inc. (USA)	3625 HUMAX Co., Ltd. (KOREA)
93 Sony Group Corporation		2988 Amphenol Corporation - Amphenol	(ISRAEL)	4291 EXPRESS LUCK INDUSTRIAL (ZHONGSHAN)	4125 HUMAX NETWORKS (KOREA)
856 Sony Interactive Entertainment Inc.	[V]	AssembleTech Division (USA)	2974 Chelsio Communications, Inc. (USA)	LIMITED (CHINA)	4354 Hunan Fullriver High Technology Co., LTD.
5 SORD CORPORATION	3426 V-net AAEON Corporation Limited	683 Amtran Technology Co., Ltd. (TAIWAN)	1638 Cheng Uei Precision Industry Co., Ltd.	1406 Extreme Networks, Inc. (USA)	(CHINA)
269 SORITON SYSTEMS K.K.	3578 VAIO Corporation	3674 Apacer Technology Inc. (TAIWAN)	(TAIWAN)	3524 Extron (USA)	3595 Hyve Solutions (USA)
521 SOSHIN ELECTRIC CO., LTD.	3284 VALTEC CO., LTD.	400 APC by Schneider Electric (USA)	4280 Cherry Americas, LLC (USA)	3936 eze System, Inc. (USA)	F13
4015 Square K.K.	2109 VarioSecure Inc.	4039 Appcessori Corporation (USA)	636 Cherry Europe GmbH (GERMANY) 882 CHICONY ELECTRONICS CO., LTD. (TAIWAN)	[1]	[1]
180 STAR MICRONICS CO., LTD. 2575 StoreNet Corp.	[W]	2656 Applanix Corporation (CANADA) 482 Apple, Incorporated (USA)	2846 Ciena (USA)	[F] 1440 F5 Inc. (USA)	4350 i.safe MOBILE GmbH (GERMANY) 560 Identiv, Inc. (USA)
97 Sumitomo Electric Industries, Ltd.	3976 WA HOLDINGS Co., Ltd.	2431 Apricorn (USA)	2163 Cisco Systems International BV	4290 FADU INC (KOREA)	3670 IGEL Technology GmbH (GERMANY)
165 Sumitomo Electric System Solutions Co., Ltd.	177 Wacom Co., Ltd.	4322 Arira Platforms, LLC (USA)	(THE NETHERLANDS)	537 Fiery, LLC (USA)	1272 IIYAMA CORPORTION
1197 Sumitomo Wiring Systems, Ltd.	3889 WATEX CO., LTD.	3027 Arista Networks, Inc. (USA)	493 Cisco Systems, Inc. (USA)	1926 FIMI s.r.l. (ITALY)	(THE NETHERLANDS)
1001 SUN CORPORATION	4089 Weber-Stephen Products Japan GK.	3946 Arlo Technologies, Inc. (USA)	3190 Citrix Systems, Inc. (USA)	3589 FLIR COMMERCIAL SYSTEMS, INC. (USA)	2368 Imaging Business Machines, LLC (USA)
4222 SUN ELECTRONICS CO., LTD.	3797 WORKS MOBILE Japan Corporation	3530 ARRIS (USA)	3816 Clavister AB (SWEDEN)	4352 FORESEESON KOREA Inc. (KOREA)	2664 Infinera Corporation (USA)
3764 SUN-WA TECHNOS CORPORATION		2084 ARRIS International PLC (USA)	702 CLEVO CO. (TAIWAN)	4247 Formerica OptoElectronics Inc. (TAIWAN)	2472 INFOBLOX (USA)
				4247 I UITTETICA OPTOLIECTIONICS INC. (TANVAIN)	
3785 SYNCLAYER INC.	M	4303 Asia Vital Components Co., Ltd. (CHINA)	989 Clientron Corp. (TAIWAN)	1977 Fortinet, Inc. (USA)	3421 Ingenico Inc. (USA)
3785 SYNCLAYER INC.637 SystemGear Co., Ltd.	[X] 4023 Xacti Corporation	4303 Asia Vital Components Co., Ltd. (CHINA)4251 Asian Power Devices Inc. (CHINA)		·	
		•	989 Clientron Corp. (TAIWAN)	1977 Fortinet, Inc. (USA)	3421 Ingenico Inc. (USA)
637 SystemGear Co., Ltd.		4251 Asian Power Devices Inc. (CHINA)	989 Clientron Corp. (TAIWAN) 4287 COCOAENT Co., LTD. (KOREA)	1977 Fortinet, Inc. (USA) 4353 Fractal Gaming AB (SWEDEN)	3421 Ingenico Inc. (USA) 3831 Ingrasys Technology Inc. (TAIWAN) 4149 INNORS Co., Ltd. (KOREA) 4068 Innowireless Co., Ltd. (KOREA)
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637 SystemGear Co., Ltd. 3570 Systemk Corporation [T]	4023 Xacti Corporation [Y] 4329 Y'S corporation	4251 Asian Power Devices Inc. (CHINA) 1285 ASKEY COMPUTER CORP. (TAIWAN) 4211 ASROCK Incorporation (TAIWAN) 2208 Astec International Limited (HONG KONG) 3911 Astro HQ LLC (USA) 1011 ASUSTek Computer Inc. (TAIWAN)	989 Clientron Corp. (TAIWAN) 4287 COCOAENT Co., LTD. (KOREA) 3770 Cohesity, Inc. (USA) 297 Compal Electronics, Inc. (TAIWAN) 2240 Contela, Inc. (KOREA) 3908 Corero Network Security Inc. (USA) 779 Coretronic Corporation (TAIWAN)	 Fortinet, Inc. (USA) Fractal Gaming AB (SWEDEN) Framework Computer Inc. (USA) FSN Medical Korea Inc. (KOREA) Fujitsu Technology Solutions GmbH (GERMANY) 	3421Ingenico Inc.(USA)3831Ingrasys Technology Inc.(TAIWAN)4149INNORS Co., Ltd.(KOREA)4068Innowireless Co., Ltd.(KOREA)3519Interface Masters Technologies, Inc.(USA)378Inventec Corporation(TAIWAN)4080iodyne(USA)
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637 SystemGear Co., Ltd. 3570 Systemk Corporation [T] 163 TAIYO YUDEN CO., LTD. 283 TAKACOM CORPORATION 326 TAKAMISAWA CYBERNETICS CO., LTD. 2847 TAKASAGO, Itd 1973 TAMURA CORPORATION 206 TATSUNO CORPORATION 4294 TCL JAPAN ELECTRONICS Co., Ltd 3137 TDK Corporation 39 TDK CORPORATION 75 TEAC CORPORATION	4023 Xacti Corporation [Y] 4329 Y'S corporation 22 Yamaha Corporation 3287 YAMASHITA SYSTEMS Corp. 2931 YDK CO., LTD. 2366 YEC, CO., LTD. 12 YUTAKA ELECTRONIC MFG. CO., LTD.	4251 Asian Power Devices Inc. (CHINA) 1285 ASKEY COMPUTER CORP. (TAIWAN) 4211 ASROCK Incorporation (TAIWAN) 2208 Astec International Limited (HONG KONG) 3911 Astro HQ LLC (USA) 1011 ASUSTek Computer Inc. (TAIWAN) 1149 Aten International Co., Ltd. (TAIWAN) 3553 Atop Technologies, Inc. (TAIWAN) 3124 ATP Electronics Taiwan Inc. (TAIWAN) 3464 Atrust Computer Corp. (TAIWAN) 3222 ATTO Technology, Inc. (USA) 2097 Audiocodes LTD. (ISRAEL) 4136 Augury Systems Ltd. (ISRAEL) 4159 AUO Corporation (TAIWAN)	989 Clientron Corp. (TAIWAN) 4287 COCOAENT Co., LTD. (KOREA) 3770 Cohesity, Inc. (USA) 297 Compal Electronics, Inc. (TAIWAN) 2240 Contela, Inc. (KOREA) 3908 Corero Network Security Inc. (USA) 779 Coretronic Corporation (TAIWAN) 4174 Cornelis Networks, Inc. (USA) 3966 Corsair Memory Inc. (TAIWAN) 3780 Cradlepoint, Inc. (USA) 4054 CRU Inc. (USA) 4122 CS Corporation (KOREA) 3978 CTL (USA) 2499 Cyber Power Systems, Inc. (TAIWAN)	1977 Fortinet, Inc. (USA) 4353 Fractal Gaming AB (SWEDEN) 4175 Framework Computer Inc. (USA) 4305 FSN Medical Korea Inc. (KOREA) 1468 Fujitsu Technology Solutions GmbH (GERMANY) 4188 Fun Technology Innovation Inc. (TAIWAN) [G] 4237 G.Tech Technology Ltd. (CHINA) 3352 Gechic Corporation (TAIWAN) 3954 Genew Technologies Co., Ltd. (CHINA) 4295 Giga Computing Technology Co., Ltd. (TAIWAN) 1559 GIGA-BYTE TECHNOLOGY CO., LTD. (TAIWAN)	3421 Ingenico Inc. (USA) 3831 Ingrasys Technology Inc. (TAIWAN) 4149 INNORS Co., Ltd. (KOREA) 4068 Innowireless Co., Ltd. (KOREA) 3519 Interface Masters Technologies, Inc. (USA) 378 Inventec Corporation (TAIWAN) 4080 iodyne (USA) 2947 IPEVO Corp (TAIWAN) 4259 IPVideo Corporation (USA) 3658 Ivanti (USA) [J] 4047 Jabil Inc. (USA) 4178 JMA Wireless Limited (IRELAND) 2715 JOOSUNG Corp. INC. (KOREA)
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12 VCCI Annual Report April 2023-March 2024 VCCI Annual Report April 2023-March 2024 13

3754	Kaga (H.K.) Electronics Limited (HONG KONG)	667	NetScout Systems, Inc. (USA)		[Q]
4186	Kaijet Technology International Corporation	1316	Network Engines Inc, DBA "NEI", & DBA	4281	QANBA USA, LLC (USA)
	(TAIWAN)		"Unicom Engineering Inc." (USA)	4011	Qbic Technology Co., Ltd. (TAIWAN)
4349	KanDao Technology Co., Ltd. (CHINA)	3865	Network Integrity Systems, Inc. (USA)	2841	Qisda Corporation (TAIWAN)
3683	KAON Group Co., Ltd. (KOREA)	2608	New H3C Technologies Co., Ltd. (CHINA)	3162	QNAP Systems, Inc. (TAIWAN)
4097	Kaonbroadband CO., LTD. (KOREA)	1961	NEXCOM International Co., LTD. (TAIWAN)	2261	Qualys Inc. (USA)
3339	Katron Technologies Inc. (TAIWAN)	3798	NextDrive Co., LTD. (TAIWAN)	726	QUANTA COMPUTER INC. (TAIWAN)
3325	Kent Displays, Inc. (USA)	4289	Nile Global Inc (USA)	1012	Quantum Corporation (USA)
2845	Kingston Digital, Inc. (USA)	4199	Nix Sensor Ltd. (CANADA)	3842	Qucell Networks Co., Ltd. (KOREA)
3788	KISAN TELECOM Co., LTD. (KOREA)	3640	Nokia of America Corporation (USA)		(· · · · · · · · · · · · · · · · · · ·
4056	Kontron Canada Inc. (CANADA)	308	Nokia-Global Product Compliance Laboratory		[R]
4000	Nontroll Carada IIIC. (CARADA)	300	(USA)	2407	Radware Ltd. (ISRAEL)
	[1]	2007			
0004	[L]	3997		3371	(
3924	Lanner Electronics Inc. (TAIWAN)	3139	NT-ware Systemprogrammierung GmbH	4262	Rakuten Symphony Singapore (SINGAPORE)
2152	Lantronix, Inc. (USA)		(GERMANY)	4118	Ramaxel Technology (Shenzhen) Co., Ltd
3454	LCFC (Hefei) Electronics Technology	1904	NueTeq Technology, Inc. (TAIWAN)		(CHINA)
	Co., Ltd. (CHINA)	3336	Nutanix, Inc. (USA)	1895	Raritan International B.V. Taiwan Branch
740	LEADTEK RESEARCH INC. (TAIWAN)	1423	NVIDIA CORPORATION (USA)		(TAIWAN)
4266	LEDGER SAS (FRANCE)	4273	NZXT Inc. (TAIWAN)	3888	Rein Medical GmbH (GERMANY)
1342	LEICA CAMERA AG (GERMANY)			3947	REMOTEC TECHNOLOGY LTD.
4205	LEWITT GmbH (AUSTRIA)		[O]		(HONG KONG)
674	Lexmark International, Inc. (USA)	4225	Octane Biotech IncA Lonza Company	3931	RetailNext, Inc. (USA)
4105	LG Display (KOREA)		(CANADA)	3437	rf IDEAS, Inc. (USA)
256	LG Electronics Inc. (KOREA)	3827	One Stop Systems (USA)	1558	Ribbon Communications Inc. (USA)
3926	LINKFLOW Co., Ltd. (KOREA)	3813	OnLogic Inc. DBA Logic Supply (USA)	2628	Ribbon Communications Operating
4279	Linxee (Beijing) Technology Co., Ltd (CHINA)	3550	Opengear Inc. (USA)	2020	Company, Inc. (USA)
				0077	
4095	Lionic Corporation (TAIWAN)	241	Oracle America, Inc. (USA)	2377	Rimage Corporation (USA)
495	Lite On Technology Corp. (TAIWAN)	4135	Origin Wireless Taiwan Corp. (TAIWAN)	2529	Riverbed Technology (USA)
4347	LK Ventures Seoul HeadQuaters (KOREA)	3062	Orion Technology Co., Ltd. (KOREA)	3389	RSUPPORT CO., LTD. (KOREA)
532	Logitech Inc. (USA)	577	Overland Storage, Inc. (USA)	2480	Ruckus Wireless LLC (USA)
3965	Luxshare Precision Limited (HONG KONG)	3657	OXTI PTE LTD (SINGAPORE)	4269	RuggON Corporation (TAIWAN)
				4062	Ruijie Networks Co., Ltd. (CHINA)
	[M]		[P]		
1133	Magic Control Technology Corporation	3904	PAKERS CO., LTD (KOREA)		[S]
	(TAIWAN)	3441	Palo Alto Networks Inc. (USA)	4075	SambaNova Systems, Inc. (USA)
2105	Malvern Instruments Limited (U.K.)	3434	Panasas, Inc. (USA)	2750	SAMPO Corporation Ltd (TAIWAN)
1182	Marvell Semiconductor Inc. (USA)	2372	Panduit Corp. (USA)	271	SAMSUNG ELECTRONICS Co., Ltd.
4114	Matrixed Reality Technology Co., Ltd.	4156	PARTECH INC (USA)	211	(KOREA)
4114	(CHINA)	1808	PARTNER TECH CORP. (TAIWAN)	3627	Sanmina Corp (USA)
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359	Matrox Central Services Inc. (CANADA)	3974	PAX Computer Technology (Shenzhen)	4309	SD Optics, Inc. (KOREA)
3639	Matterport, Inc. (USA)		Co., Ltd. (CHINA)	1416	Seagate Cloud Systems, Inc. (USA)
4292	MaxLinear, Inc. (USA)	3360	PC WORTH INT'L CO., LTD. (TAIWAN)	3046	Seagate Technology (USA)
3930	McDowell Signal Processing, LLC	2869	PEGATRON CORPORATION (TAIWAN)	2552	SEH Computertechnik GmbH (GERMANY)
	(dba McDSP) (USA)	3996	Pensando Systems, Inc. (USA)	3239	SendTek Corporation (TAIWAN)
4256	Mech-Mind Robotics Technolgies Ltd.	3851	PERVASIVE DISPLAYS INC. (TAIWAN)	481	SerComm Corporation (TAIWAN)
	(CHINA)	2614	Philips & Lite-On Digital Solutions Corp.	4059	SGM, Co., Ltd. (KOREA)
2863	Mellanox Technologies, Ltd. (ISRAEL)		(TAIWAN)	4140	SHANGHAI CHINGMU VISION
1573	Micro-Star International Co., Ltd. (TAIWAN)	4346	Ping Services Pty Ltd (AUSTRALIA)		TECHNOLOGY CO., LTD (CHINA)
3921	Microchip (ISRAEL)	2181	PIOLINK, Inc. (KOREA)	4320	Shenzhen 8k-link Optoelectronics
3102	Micron Technology, Inc. (USA)	3925	Pismo Labs Technology Limited		Technology Co., Ltd. (CHINA)
1639	Microsemi (ISRAEL)	0020	(HONG KONG)	4298	Shenzhen Horn Audio Co., Ltd. (CHINA)
768	MICROSOFT CORPORATION (USA)	2524	Plantronics Inc. (USA)	4079	Shenzhen Longsys Electronics Co., Ltd.
				4013	
1433	MITAC COMPUTING TECHNOLOGY	4258	Plasmapp Co., Ltd. (KOREA)	4000	(CHINA)
	CORPORATION (TAIWAN)	4180	Pliops LTD (ISRAEL)	4200	Shenzhen Unionmemory Information
1896	MitraStar Technology Corporation (TAIWAN)	3642	PNY TECHNOLOGIES Asia Pacific Limited		System Limited (CHINA)
4229	MJLINK Co., Ltd. (KOREA)		(TAIWAN)	4196	Shopify Inc. (CANADA)
4230	Montblanc-Simplo GmbH (GERMANY)	3146	Power Quotient International Co., Ltd.	3618	Shuttle Inc. (TAIWAN)
3529	Moxa Inc. (TAIWAN)		(TAIWAN)	4331	SIG Co., Ltd. (KOREA)
1090	Musarubra US LLC (Trellix) (USA)	2062	POWERCOM CO., LTD. (TAIWAN)	2306	Silicom Ltd. (ISRAEL)
		3374	Pride Tech Corporation (TAIWAN)	2535	Silver Peak Systems, LLC (USA)
	[N]	851	Primax Electronics Ltd. (TAIWAN)	3131	SK hynix Inc. (KOREA)
3778	Nacon (HK) Ltd (HONG KONG)	1910	PROMISE TECHNOLOGY, INC. (TAIWAN)	4233	SK hynix NAND Product Solutions Corp.
3002	NDS Surgical Imaging, LLC (USA)	4018	Protempis LLC. (USA)	00	(USA)
1687	NetApp, Inc. (USA)	4326	Proto, Inc. (USA)	2276	SMART Embedded Computing, Inc. (USA)
	• • •				
1418	NETGEAR, Inc. (USA)	3726	PSi Laser GmbH (GERMANY)	1960	SMART Modular Technologies, Inc. (USA)
1533	Netronix Inc. (TAIWAN)	3818	Pure Storage Inc. (USA)	2501	SMART Technologies ULC (CANADA)
3712	Netronome Systems, Inc. (USA)			2597	Solace Corporation (CANADA)

4050	SOLID STATE STORAGE TE	CHNOLOGY
	CORPORATION	(TAIWAN)
794	SOLID YEAR CO., LTD.	(TAIWAN)
3158	SOLiD, Inc.	(KOREA)
3773	SonicWall Inc.	(USA)
4134	Sonnet Technologies, Inc.	(USA)
3808	Sonos, Inc.	(USA)
3249	Sophos Ltd.	(U.K.)
3650	Spectra Logic Corporation	(USA)
3752	ST Engineering iDirect, Inc. d	
3447	SteelSeries ApS	(USA) (TAIWAN)
1498	Stratus Technologies, Inc.	(USA)
3243	Sunix Co., Ltd.	(TAIWAN)
2933	Sunrex Technology Corp	(TAIWAN)
1880	SUPER MICRO COMPUTER	INC. (USA)
3792	Suzhou Lehui Display Co., Lt	d. (CHINA)
4340		TZERLAND)
3815	Synology Inc.	(TAIWAN)
	[T]	
3838	T.I.T. ENG Co., Ltd.	(KOREA)
3175	Taiwan BOE Vision-electronic	Technology
	Co., Ltd.	(TAIWAN)
4177	TAIWAN CONTEC CO., LTD.	(TAIWAN)
1078	Tandberg Data GmbH	(GERMANY)
3962	Tatung Technology Inc.	(TAIWAN)
4203	Technologies Humanware	(CANADA)
4215	Teradata Operations, Inc.	(USA)
3782	Thales DIS CPL USA, Inc.	(USA)
1524	Thales DIS France SAS	(FRANCE)
3719	THINKWARE CORPORATION	N (KOREA)
3626	Tobii AB	(SWEDEN)
1601	Top Victory Electronics Co., Ltd	d. (TAIWAN)
3652	TP-Link Corporation Limited	(CHINA)
4120	TQ-Systems GmbH	(GERMANY)
3542	TransAct Technologies Incorpo	rated (USA)
3695	Trenton Systems	(USA)
3761	Turtle Beach Europe, Ltd., Ta	iwan Branch
		(TAIWAN)
	Twinhead International Corp.	(TAIWAN)
4252	2N TELEKOMUNIKACE a.s.	חבחו וחו וכי)
4300		REPUBLIC) (TAIWAN)
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4216		(KOREA)
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886	Universal Global Scientific Indus	
2075	LIDO Composivillo	(TAIWAN)
	UPG Company LLC Utimaco, Inc. subsidiary of Uti	(USA)
4104	Otheraco, inc. subsidiary of Oth	(USA)
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4160		D. (TAIWAN)
4187		(CANADA)
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3668		(USA)
4221	Verkada Inc.	(USA)
3969		(USA)
585		(USA)
	ViaScope Inc.	(KOREA)
3613	•	
		(TAIWAN)
4228	ViGFM GmbH	(GERMANY)

3194	Vigilent Corporation (USA)
4162	Vinpower Inc. (USA)
3439	Virtual Instruments Corporation, DBA
	Virtana Corp (USA)
4311	VITURE Inc. (USA)
2443	VIVOTEK INC. (TAIWAN)
3730	Vmware LLC (USA)
3291	Voyetra Turtle Beach, Inc. (USA)
3125	Vuzix Corporation (USA)
0120	vazix corporation (corr)
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3829	Warwick Acoustics Ltd. (U.K.)
3852	WAWGD, Inc. d.b.a. Foresight Sports
	(USA)
3666	Weifang GoerTek Electronics Co., Ltd. (CHINA)
3763	Weihai Daewoo Electronics Co., Ltd.
	(CHINA)
2432	Western Digital Technologies, Inc. (USA)
1718	WIBU-SYSTEMS Aktiengesellschaft
	(GERMANY)
2418	WIDE CORPORATION (KOREA)
4052	
4246	WINGTECH GROUP (HONGKONG)
	LIMITED (HONG KONG)
2912	Wins Co., Ltd. (KOREA)
4124	WiSECURE Technologies (TAIWAN)
1767	Wistron Corporation (TAIWAN)
3423	Wiwynn Corporation (TAIWAN)
4318	Wooting Store B.V. (THE NETHERLANDS)
4227	Workaround GmbH (GERMANY)
4301	Wuhu Doking Electronic Technology Co.,
	Ltd. (CHINA)
4282	Wuxi Taclink Optoelectronics Technology
	Co., Ltd. (CHINA)
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3359	
2827	
4223	xFusion Digital Technologies Co., Limited
4345	(CHINA) XGIGA COMMUNICATION
4040	TECHNOLOGY CO., LTD (CHINA)
4171	Xiaomi Communications Co., Ltd. (CHINA)
3912	
0012	7(E1147, 1140.
	M
4191	Yellowbrick Data, Inc. (USA)
4260	Yibin Jiaxin Electronic Technology Co., Ltd.
	(CHINA)
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1143	Zebra Technologies Corporation (USA)
1229	Zebra Technologies Corporation (USA)
3729	ZPE Systems, Inc. (USA)
3956	
	ZTE Corporation (CHINA)
	ZUNIDATA SYSTEMS INC. (TAIWAN)
	Zylux Acoustic Corporation (TAIWAN)
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Supporting	Members
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3740 AKITA Industrial Technology Center

3196 ANRITSU CUSTOMER SUPPORT CO., LTD.

4003 AXELL CORPORATION

1192 Chiba Industry Advancement Center Tokatsu Techno Plaza 1846 Chokuan Information and Industry

Development Association

755 COSMOS CORPORATION

3807 DENSO EMC ENGINEERING SERVICE CORPORATION

348 DMG MORI Digital Co., LTD.

[E]

300 e-OHTAMA, LTD.

997 E&C Engineering K.K.

1263 Ehime Institute of Industrial Technology

259 EMC Japan Corporation

1906 ETS-Lindgren Japan, Inc.

[F]

101 FOSTER ELECTRIC CO., LTD.

1115 FUJITSU GENERAL EMC LABORATORY LIMITED

3893 Fukushima medical device industry

promotion agency

4041 Gifu Prefectural Industry Technology Center

423 HIROSHIMA-TECHNOPLAZA CORPORATION

3937 Hokkaido Research Organization,

Industrial Research Institute

3234 Industrial Research Institute of Niigata Prefecture

397 Industrial Research Institute of Shizuoka

Prefecture Hamamatsu Technical Support Center

742 Industrial Technology Center of

OKAYAMA Pref.

575 Industrial Technology Institute Fukushima Prefectural Government

1213 Industrial Technology Institute, Miyagi

Prefectural Government 999 Intertek Japan K.K.

579 IPS Corporation

2227 ISHIKAWA Co., Ltd.

3649 Iwate Industrial Research Institute

3619 Japan Automobile Research Institute

792 JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES

3891 Japan Gas Appliances Inspection Association

140 JEL Limited

1251 Kagawa Industry Support Foundation (NEXT KAGAWA)

VCCI Annual Report April 2023-March 2024 **15**

689 Kanagawa Institute of Industrial Science	[U]	2783 cetecom adcanced GmbH (GERMANY)	4100 Guangdong Dongdian Testing Service	4009 Nemko S.p.A. (ITALY)	658 Test Site Services (USA)
and Technology	474 UL Japan, Inc	4341 CETECOM Inc. (USA)	Co., Ltd. (CHINA)	3220 Nemko Scandinavia AS (NORWAY)	4344 TestReal Quality Testing Technology
187 KITAGAWA INDUSTRIES CO., LTD.		3812 China Academy of Information and	4327 Guangdong Global Testing Technology	720 Nemko USA Inc. (USA)	(Shanghai) Co., Ltd. (CHINA)
3569 KYB Corporation	[W]	Communications Technology (CHINA)	Co., Ltd. (CHINA)	409 Nemko USA, Inc. (Austin) (USA)	3379 The Compliance Management Group
•		0,	•	* * * * * * * * * * * * * * * * * * * *	
3304 Kyoritsu Electric Corporation	260 WAVE CORPORATION	213 CKC Laboratories, Inc. (USA)	3498 Guangdong Keyway Testing Technology	3928 NTREE Co., Ltd. (KOREA)	(CMG) (USA)
3934 KYOTO INSTITUTE OF TECHNOLOGY		530 Compatible Electronics, Inc. (USA)	Co., Ltd. (CHINA)		1328 The Hong Kong Standards and Testing
	M	1938 Compliance Certification Services	2092 Gumi University EMC Center (KOREA)	[O]	Centre Ltd. (HONG KONG)
rı 1		(KunShan) Inc. (CHINA)	2002 darii offivolotty Etvio doritor (Itorias y		
[L]	4073 Yamagata Research Institute Of Technology			782 ONETECH Corp. (KOREA)	831 The Standards Institution of Israel (SII)
1370 Labotech International Co., Ltd.	150 YAZAKI CORPORATION	710 Compliance Certification Services Inc.	[H]		(ISRAEL)
		(TAIWAN)	3606 Hangzhou TDT Technologies Co., Ltd.	[P]	916 3C Test Ltd (U.K.)
[M]		3330 Core Compliance Testing Services, LLC	(CHINA)	555 Parker Chomerics Test Services (USA)	2697 TÜV Rheinland (Guangdong) Ltd. (CHINA)
	<overseas></overseas>			333 Tarker Oriottierics Test Services (OSA)	0 0
2973 MG CO., LTD.		(USA)	264 HCT Co., Ltd. (KOREA)		4074 TÜV Rheinland (Shenzhen) Co., Ltd. (CHINA)
1301 Minami-Shinsyu lida Industry Center	No. Company (Country or Region Name)	332 CSA Group Bayern GmbH (GERMANY)	592 Hermon Laboratories Ltd. (ISRAEL)	[Q]	1097 TÜV Rheinland of North America (USA)
2031 MIWA LOCK CO., LTD.	[A]	2981 CSA Group Testing & Certification Inc.	1814 Hong An Technology CO., LTD. (TAIWAN)	3718 QAI Laboratories, Ltd. (CANADA)	4020 TÜV Rheinland Sweden AB (SWEDEN)
1438 Miyazaki Prefecture Industrial Technology			5 6,	*	3252 TÜV Rheinland Taiwan Ltd. (TAIWAN)
	4053 AA Electro Magnetic Test Laboratory	(CANADA)		1798 QualiTech, EMC Lab. (ISRAEL)	,
Center	Private Limited (INDIA)	1208 CTK Co., Ltd. (KOREA)	Testing Technology (CHINA)		4296 TÜV Rheinland Vietnam Co., Ltd. (VIETNAM)
	4128 Advanced Compliance Laboratory, Inc. (USA)		892 Hyundai C-Tech, Inc. dba HCT America, Inc.	[R]	129 TÜV SÜD America Inc. (USA)
[N]	966 Atlas Compliance & Engineering, Inc. (USA)	[D]	(USA)	3987 Radiometrics Midwest Corporation (USA)	4324 TÜV SÜD Asia Ltd., Taiwan Branch (TAIWAN)
	1 0 0,		(OOA)	·	
352 Nagano Prefectural General Industrial	4112 Attestation of Global Compliance	270 D.L.S. Electronic Systems, Inc. (USA)		1908 RETLIF Testing Laboratories (USA)	2003 TÜV SÜD Canada (Ottawa) (CANADA)
Technology Center Precision. Electronics	(Shenzhen) Co., Ltd. (CHINA)	1153 DEKRA Testing and Certification Co., Ltd.	[1]		2718 TÜV SÜD Canada Inc. (CANADA)
& Aviation Technology Department	1257 AUDIX Technology (Shanghai) Co., Ltd.	(TAIWAN)	821 I.T.L. Product Testing Ltd. (ISRAEL)	[S]	4158 TÜV SÜD Certification and Testing (China)
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•	(CHINA)	,	,	2793 SGS Germany GmbH (GERMANY)	
684 NOISE LABORATORY CO., LTD.	638 Audix Technology (Shenzhen) Co., Ltd.	1722 Dt&C Co., Ltd. (KOREA)	3452 International Certification Corp. (TAIWAN)	2934 SGS Korea Co., Ltd. (KOREA)	433 TÜV SÜD Ltd. (U.K.)
	(CHINA)	4236 Dynabook Technology (Hangzhou) Inc.	243 International Standards Laboratory Corp.	4334 SGS North America, Inc. (USA)	542 TÜV SÜD PSB Pte. Ltd. (SINGAPORE)
[O]	2653 Audix Technology (WuJiang) Co., Ltd.	(CHINA)	(TAIWAN)	1600 SGS Taiwan Ltd. (TAIWAN)	
		(OI IIIVA)			fi d
3568 OHTAMA CALIBRATION SERVICE Co., Ltd.	(CHINA)		1349 Interocean EMC Technology Corp. (TAIWAN)	3061 SGS-CSTC Standards Technical Services	[U]
3862 Oita Industrial Research Institute	237 Audix Technology Corporation (TAIWAN)	[E]	3898 Intertek ETL SEMKO Korea Ltd. (KOREA)	(Shanghai) Co., Ltd. (CHINA)	4090 UCS Co., Ltd. (KOREA)
898 OKI ENGINEERING CO., LTD.		3561 EKTOS Testing & Reliability Services A/S	960 Intertek Testing Services Hong Kong Ltd.	4306 SGS-CSTC Standards Technical Services	3148 UL International-Singapore Pte Ltd
•	[D]	9			5 .
307 OKI Nextech Co., Ltd.	[B]	(DENMARK)	(HONG KONG)	(Suzhou) Co., Ltd. (CHINA)	(SINGAPORE)
463 OLYMPUS CORPORATION	4036 Bay Area Compliance Laboratories	1607 Electrical and Electronics Institute (EEI),	3598 Intertek Testing Services Ltd., Shanghai	1937 SGS-CSTC Standards Technical Services	4066 UL Korea, Ltd. (KOREA)
4055 Osaka Research Institute of Industrial	(Chengdu) (CHINA)	Thailand (THAILAND)	(CHINA)	Co., Ltd. (CHINA)	596 UL LLC (USA)
Science and Technology	981 Bay Area Compliance Laboratories Corp.	922 ELECTRO MAGNETIC TEST, INC. (USA)	334 Intertek Testing Services NA Inc. (USA)	3738 Shanghai Inspection and Testing Institute of	3793 UL Verification Services (Guangzhou) Co.,
ocience and recrinology			Č .		9
	(USA)	2870 ElectroMagnetic Investigations, LLC (USA)	1253 Intertek Testing Services Taiwan Ltd. (TAIWAN)	Instruments and Automatic Systems (CHINA)	Ltd., Song Shan Lake Branch (CHINA)
[P]	3929 Bay Area Compliance Laboratories Corp.	1211 Element Materials Technology Fremont		2621 Shanghai Institute of Measurement and	376 UL Verification Services Inc. (USA)
608 Panasonic System Networks Evaluation	(Kunshan) (CHINA)	Newark (USA)	[J]	Testing Technology EMC Lab. (CHINA)	1309 Ultratech Engineering Labs Inc. (CANADA)
•					
Technology Co., Ltd.	3387 Bay Area Compliance Laboratories Corp.	564 Element Materials Technology Portland-	2746 Jiangsu Electronic Information Product Quality	3525 Shenzhen Academy of Metrology and	3834 Underwriters Laboratories Taiwan Co., Ltd.
2234 PENTEL Co., Ltd.	(Shenzhen) (CHINA)	Evergreen Inc. (USA)	Supervision & Inspection Institute (CHINA)	Quality Inspection (CHINA)	(TAIWAN)
	3776 Bay Area Compliance Laboratories Corp.	657 Element Materials Technology Warwick Ltd.	3462 JNDL Laboratory CO., LTD. (KOREA)	3826 Shenzhen BALUN Technology Co., Ltd.	4012 Unified Compliance Laboratory (USA)
[R]	(Taiwan) (TAIWAN)	(U,K,)		(CHINA)	, , , , ,
		,	n.a	,	Dad
2285 Radio Engineering & Electronics Association	4153 Bay Area Compliance Labs Corp. (Linkou	656 Element Materials Technology Washington	[K]	2218 Shenzhen Huatongwei International	[W]
1398 RAKURYOU TECHNICA CO., LTD.	Laboratory) (TAIWAN)	DC LLC (USA)	3669 KES Co., Ltd. (KOREA)	Inspection Co., Ltd. (CHINA)	4268 Waltek Testing Group Co., Ltd. (CHINA)
485 RIKEN ENVIRONMENTAL SYSTEM Co., Ltd	4104 BEC Incorporated (USA)	785 EMC Technologies Pty Ltd. (AUSTRALIA)	3465 Keystone Compliance, LLC (USA)	3863 Shenzhen Huaxia Testing Technology	3581 Wendell Industrial Co., Ltd. (TAIWAN)
2759 Rohde & Schwarz Japan K.K.	3940 Beijing Boomwave Test Service Co., Ltd.	1409 EMCCons DR. RASEK GmbH & Co. KG	4065 Kiwa Electrical Compliance (U.K.)	Co., Ltd. (CHINA)	3750 WH Technology Corp. (TAIWAN)
•	, 3				
1337 Roland Corporation	(CHINA)	(GERMANY)	4168 Kiwa Netherlands B.V. (THE NETHERLANDS)	4284 Shenzhen LCS Compliance Testing	4277 World Standardization Certification & Testing
	4243 BTF Testing Lab (Shenzhen) Co., Ltd.	2210 EMITECH Angers (FRANCE)	2005 KOSTEC Co., Ltd. (KOREA)	Laboratory Ltd. (CHINA)	Group (Shenzhen) Co., Ltd. (CHINA)
[S]	(CHINA)	2893 EMTEK (Shenzhen) Co., Ltd. (CHINA)	4143 KSIGN TESTING CO., LTD. (CHINA)	3884 Shenzhen Morlab Communications	2450 Worldwide Testing Services (Taiwan)
3446 Samoto & Associates, Ltd.	672 BTL Inc. (TAIWAN)	4297 ENG Co., Ltd. (KOREA)	4255 Kunshan Balun Communications	Technology Co., Ltd. (CHINA)	Co., Ltd. (TAIWAN)
•					Oo., Liu. (TAIVVAIV)
2906 SELA Corporation	2709 BTL Inc. (CHINA)	3270 EST Technology Co., Ltd. (CHINA)	Technology Co., Ltd. (CHINA)	3641 Shenzhen TCT Testing Technology Co., Ltd.	
2563 SGS Japan Inc.	3859 BTL Inc. (CHINA)	3470 ESTECH Co., Ltd. (KOREA)		(CHINA)	
3274 Shimane Insutitute Industrial Technology	4021 BUREAU VERITAS ADT (SHANGHAI)	3034 Eurofins E&E Wireless Taiwan Co., Ltd.	[L]	4142 Shenzhen UnionTrust Quality and Technology	
1849 Sony Global Manufacturing & Operations	CORPORATION (CHINA)	(TAIWAN)	3656 Lab-T, Inc. (KOREA)	Co., Ltd. (CHINA)	
Corporation	818 Bureau Veritas Consumer Products Services	1062 Eurofins Electrical and Electronic UK Limited	4057 LabTest Certification Inc. (CANADA)	3071 SINGAPORE EPSON INDUSTRIAL PTE LTD	
	(USA)	(U.K.)	3533 LCIE Bureau Veritas (FRANCE)	(SINGAPORE)	
[T]	395 Bureau Veritas Consumer Products Services,	1980 Eurofins KCTL Co., Ltd. (KOREA)	2186 LGAI Technological Center, S.A. (Applus+	4202 SIQ Ljubljana (SLOVENIA)	
	•			3 3	
346 TDK-Lambda Corporation	(H.K.) Ltd., Taoyuan Branch (TAIWAN)	757 Eurofins MET Laboratories, Inc. (USA)	Laboratories) (SPAIN)	,	
3734 Techno Science Japan Co., Ltd.	2115 Bureau Veritas Shenzhen Co., Ltd.		2411 LTA Co., Ltd. (KOREA)	842 Spectrum Research & Testing Laboratory Inc.	
4138 Techno Science Systems Co., Ltd.	Dongguan Branch (CHINA)	[F]		(TAIWAN)	
943 Toshiba Carrier Engineering & Life	3772 BV 7Layers Communications Technology	3636 F Squared Engineering Corp dba F2 Labs	[M]	466 Sporton International Inc. (TAIWAN)	
Support Corp.	(Shenzhen) Co., Ltd. (CHINA)	(USA)	4265 Megalab Group Inc. (CANADA)	3096 Standard Bank Co., Ltd. (KOREA)	
3283 Toyama Industrial Technology Research	4013 BV CPS ADT Korea Ltd. (KOREA)	910 FORCE Technology (DENMARK)	2959 MiCOM Labs Inc (USA)	4342 Sushi TOWE Wireless Testing (Shenzhen)	
and Development Center	4238 BWS TECH INC. (KOREA)		3575 MRT Technology (Suzhou) Co., Ltd. (CHINA)	Co., Ltd. (CHINA)	
995 TOYO Corporation	4	[G]	Jy (, (
·	[0]		5.12	E	
996 TOYO EMC Engineering	[C]	2778 Global Certification Corp. (TAIWAN)	[N]	[T]	
3396 Toyota Industries Corporation	1847 Central Research Technology Co. (TAIWAN)	708 Global EMC Standard Tech. Corp. (TAIWAN)	4224 Nebraska Center for Excellence in Electronics	4101 Taiwan Electric Research & Testing Center	
811 TUV Rheinland Japan Ltd.	3177 Centre Testing International Group Co., Ltd.	4184 Green Mountain Electromagnetics, Inc. (USA)	(USA)	(TAIWAN)	
· ·	(CHINA)	4201 GRG Metrology & Test Group Co., Ltd.	642 Nemko Canada Inc. (CANADA)	277 Taiwan Testing and Certification Center	
240 TUV SUD Japan Ltd.					
	2216 Cerpass Technology Corporation (TAIWAN)	(CHINA)	2118 Nemko Korea Co., Ltd. (KOREA)	(TAIWAN)	As of March 31, 2024

VCCI Annual Report April 2023-March 2024 VCCI Annual Report April 2023-March 2024 17

» Settlement of Accounts for FY 2023

(Statement of net assets) From April 1, 2023 to March 31, 2024

(Unit: Japanese ven)

Item	Current Fiscal Year	Previous Fiscal Year	(Unit: Japanese yen) Increase or Decrease
I. Statement of general net assets			
Ordinary increase and decrease			
(1) Ordinary earnings			
Admission fees received	(2,850,000)	(3,100,000)	(△ 250,000)
② Membership fees received	(247,500,000)	(245,350,000)	(2,150,000)
3 Earning on enterprise fees	(19,175,000)	(18,547,500)	(627,500)
Site registration fees	16,735,000	14,177,500	2,557,500
Seminar enrollment fees	2,440,000	4,370,000	△ 1,930,000
Miscellaneous earnings	(2,629,909)	(2,193,667)	(436,242)
Total ordinary earnings	272,154,909	269,191,167	2,963,742
(2) Ordinary expenditure	2.2,101,000	200,101,107	_,000,712
① Enterprise expenditure	(227,485,520)	(229,299,102)	(△ 1,813,582)
Labor	69,507,341	67,143,639	2,363,702
Enterprise overhead	55,299,627	60,823,671	△ 5,524,044
Operating expenditure	2,219,266	1,457,237	762,029
Standards setting	16,072,972	14,229,047	1,843,925
Technical education and	1,572,229	5,395,251	△ 3,823,022
training Market surveillance	27,368,497	27,404,466	△ 35,969
International relations	3,617,567	2,018,123	1,599,444
operation Public relations	14,596,581	15,235,328	△ 638,747
Site registration expenditure	26,039,360	26,328,260	△ 288,900
Reserve funds including reserve fund for retirement allowances	11,192,080	9,264,080	1,928,000
Administrative expenditure	(31,622,473)	(31,785,385)	(△ 162.912)
Labor	13,031,886	12,675,912	355,974
Housekeeping	15,792,567	16,793,453	△ 1,000,886
Reserve funds including reserve fund for retirement allowances	2,798,020	2,316,020	482,000
Total ordinary expenditure	259,107,993	261,084,487	△ 1,976,494
Current fiscal year ordinary	13,046,916	8,106,680	4,940,236
increase and decrease amoun General net assets before tax	13,046,916	8,106,680	4,940,236
Corporation tax, residential tax, and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	12,976,916	8,036,680	4,940,236
Balance of general net assets at the beginning of the term	490,209,561	482,172,881	8,036,680
Balance of general net assets at the end of the term	503,186,477	490,209,561	12,976,916
II. Balance of net assets at the end of the term	503,186,477	490,209,561	12,976,916

» 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/IEC17025". 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 2023, 49 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

Scope of Accreditation

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, and technical standards conformity certification for terminal equipment as stipulated by the Telecommunications Business Law. It also tests (1) EMC for EU and FCC standards in the scope certified by the ISO/IEC 17025 laboratory, (2) radio, and (3) extremely low-power radio facilities as stipulated by the Radio Law, It also performs specified calibration of measuring instruments, testing for W-SUN certification, and 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 EMC 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, EMC testing, product safety certification, measurement device calibration, and certification of daily-life service robots. The Saito laboratory is the biggest of JQA's EMC 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

This center is accredited as an ISO/IEC 17025 laboratory (by VLAC and JAB). The center performs EMC testing for home electrical appliances, industry and medical equipment, on-board electrical and electronic equipment for automobiles and planes, and defense-related equipment, as well as evaluation testing for radio equipment. The center has a diverse range of evaluation testing rooms including 11 anechoic chambers, 4 shielded rooms, and reverberation chambers, offering high-quality, reliable test results provided by iNARTE EMC engineers. In addition, KEC has JIS Q 17043 Proficiency Testing Scheme Provider Accreditation and offers highly-reliable EMC proficiency testing.



Intertek Japan - Kashima Testing Laboratory

URL: https://intertekjp.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.

VCCI Annual Report April 2023-March 2024 VCCI Annual Report April 2023-March 2024 19



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, 2024

