

# Specific Requirements for EMC and Radio Telecommunications Testing Laboratories

## VLAC-VR102-1 :2024

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## 1. Scope

This document is applied to electromagnetic compatibility and radio telecommunication equipment testing laboratories.

## 2. Specific Requirements

### 2.1 Requirements for FCC-recognized accredited testing laboratories

(1) FCC-recognized accredited testing laboratories shall be met to the FCC KDB 974614 ACCREDITED TESTING LABORATORY PROGRAM ROLES AND RESPONSIBILITIES

The KDB documents is published on following FCC website. [note 1]

The scope of accreditation of the FCC-recognized accredited laboratories shall include all testing that listed in the each test method(s) column on TABLE A1 of the KDB. (Note: not all standards or test methods listed on TABLE A1) i.e. Partial scope of accreditation is not allowed to FCC-recognized accredited testing laboratories. For example, “exclude receivers” or “exclude TV-interface devices” is not allowed to ANSI C63.4-2014 accreditation scope. In case a laboratory does not provide all testing in the test method, subcontract can be used. However subcontractor shall also be FCC-recognized accredited laboratory.

[note 1] <https://apps.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm>

(2) Assessment team use the FCC KDB 853844 ACCREDITED TESTING LABORATORY FCC TECHNICAL ASSESSMENT CHECKLIST for on-site assessment. The check list is published on FCC website. [note 2]

Laboratories should check conformity by themselves using the checklist before the assessment.

[note 2] <https://apps.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?switch=P&id=44615>

#### [Information]

FCC-recognized accredited testing laboratories are listed on FCC website. [note 3]

Test facility re-evaluation dates must occur at intervals not exceeding two years. [note 4]

[note 3] <https://apps.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm>

[note 4] FCC eCFR 2.948(e) :

<https://www.ecfr.gov/current/title-47/chapter-I/subchapter-A/part-2/subpart-J/subject-group-ECFRd5ad3b739dbf27a/section-2.948>

### 2.2 Calibration traceability for test instruments using EMC testing

(1) Site attenuation (NSA) of radiated emission test sites (30 MHz-1000 MHz)

Calibration of antennas and measuring instruments shall be traceable. When judging NSA conformity, uncertainty in measurement need not be taken into consideration unless it is prescribed by test standard etc.

(2) Site-VSWR of radiated emission test sites (1 GHz-18 GHz)

Receiving antenna(s) that also be used for EUT measurement, calibration shall be traceable.

When judging Site-VSWA conformity, uncertainty in measurement need not be taken into consideration unless it is prescribed by test standard etc.

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## Revision history

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### Revision summary VR102-1:2024

Document number changed VR102 to VR102-1.

URL on clause 2.1 revised latest address. Changed FCC accredited laboratory to FCC-recognized accredited laboratory (Japanese edition only)

[Information] added to clause 2.1

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### Revision summary VR102:2018

2018.08.08 overwrapped requirements deleted.

Calibration traceability requirements for FCC-recognized accredited testing laboratories described.

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