# EMC – CISPR 16

## Radiated Emission Proficiency Testing Information Sheet

The purpose of this PT round is to assess the competence of laboratories in performing measurements under standardized conditions and to support continuous improvement and compliance with international standards in the field of EMC interference field strength – radiated emission according to CISPR 16-2-3.

### Scope

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|---|---|
| Testing field | Electromagnetic compatibility |
| Test item | Reference generator |
| Frequency range | 1 GHz – 18 GHz |
| Test sites | FAR, SAC |
| Test distance | 3 m |
| Expected uncertainty of assigned value (k=2) | t.b.d. |

### Participation requirements

This PT is developed for ISO/IEC 17025 accredited laboratories. To maintain metrological traceability, all participants shall use calibrated equipment for the subject of assessment.

### Schedule

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|---|---|
| Round | RR0005 |
| Round start | Sep. 2027 |
| Duration of measurement slots | 1 week |
| Logistics between measurement slots | 2 weeks |
| Expected participants | 5 - 8 |
| Draft report | 4 weeks after last result submitted |
| Final report | 4 weeks after draft report |

Participants will be contacted before start of the round for time slot assignment.

### Proficiency test item

The proficiency test item, a reference generator, will be made available by Seibersdorf Laboratories.

### Measurements

The measurement of the electric field strength is performed according to CISPR 16-2-3 on a FAR or SAC test site at a distance of 3 m. A height scan is not necessary and must not be performed – the receive antenna shall be mounted at a height of 1 m above the bottom of the validated test volume. Measurements shall be done only in vertical polarization of the receive antenna.

The item shall be measured in the frequency range from 1 GHz to 18 GHz at various frequencies.

### Results

Each participant will be assigned a unique identification code. All results will be treated confidentially and reported anonymously in the final summary report. The assigned values will be consensus values and performance will be assessed using the $E_n$ score method.

### Confidentiality

Participants shall treat all information obtained within this proficiency testing round as confidential.

### Contact

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