

**ELECTROMAGNETIC COMPATIBILITY CONSULTING & TESTING,  
CALIBRATIONS, CERTIFICATIONS, COMPONENTS, SEMINARS**

## HIRF/HERF – Electromagnetic Effects (EME) in Aircraft

Public HIRF Seminar  
in English Language

2020-05-12 to 2020-05-13



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**SEMINAR PROGRAM****11.02.01E1****High Intensity/High Energy Radiated Fields - HIRF/HERF  
Electromagnetic Effects (EME) in Aircraft**Two Days Seminar

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**Seminar venue**

The seminar takes place in the EMCC Seminar Center in Unterleinleiter. It is located at the EMCC Test Labs site, which among others provide aircraft EMC services. The broad area of activities can be viewed on [www.EMCC.de](http://www.EMCC.de).

The EMCC aircraft group with the associated labs are an ideal environment for the seminar. The vast experience in aircraft measurements, system and equipment testing is combined with the latest high end test infrastructure. This site is also location of design and manufacture of HIRF generators, NEMP generators and direct as well as indirect lightning generators. These meet and exceed maximum levels of current standards and specifications.

The combination of experience and infrastructure enables an experimental portion which includes demonstrations and seeing test setups. Visits and experiments are conducted in small groups. Various kind of sites are part of the course, among them are anechoic chamber, open area test site (OATS), GTEM cell, TEM cell, reverberation chamber as well as lightning test setups. Examples are provided. Discussion and questions will be part of the seminar. Seminar notes in English language are included in the fee as well as lunch snack and coffee breaks.

**Contents**

- Physical Phenomena
- Certification regulation and standards
- Associated Test Methods and procedures
- Aircraft, system and avionics design rules to reach HIRF compliance
- Simulation
- Visit of EMC labs

**Who should attend?**

- EMC technicians and engineers
- Equipment designers
- System designers and integrators
- EMC test staff
- EMC project managers
- Certification staff

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## SEMINAR PROGRAM

11.02.01E2

### High Intensity/High Energy Radiated Fields - HIRF/HERF Electromagnetic Effects (EME) in Aircraft

Two Days Seminar

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#### Day 1: HIRF/HERF Approach to Compliance

Physical Phenomena  
Certification regulations and standards  
Associated Test Methods and procedures for aircraft, systems and equipment  
Test setups  
Test and certification planning  
Real world issues  
Questions and answers  
Visit of EMC labs

#### Day 2: Design rules to meet HIRF/HERF requirements

Installation  
Layout  
Zoning Concepts  
Shielding and Filtering  
Protection devices  
Numerical EM Simulation  
Questions and answers

99.00.02E

To  
EMCC DR. RAŠEK  
Seminar Center  
Stoernhofer Berg 15  
91364 Unterleinleiter  
Germany

Proj. # .....

(prepared for window envelope)

F: +49 9194 7262-199

Purchase order #

Reference #

Date

## REGISTRATION FORM

for the **Two Days Seminar # 11.02.01E** from **2020-05-12** to **2020-05-13**  
Topic: **HIRF/HERF – Electromagnetic Effects (EME) in Aircraft** in English language

Seminar venue: **EMCC DR. RAŠEK Seminar Center, in 91364 Unterleinleiter, Stoernhofer Berg 15, Door #1, Germany, T: +49 9194 7263-0, F: +49 9194 7262-199 E: emc.sem@emcc.de.**

Company: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Postcode/Town/City \_\_\_\_\_  
Telephone: \_\_\_\_\_    Telefax: \_\_\_\_\_    Mail: \_\_\_\_\_

Name of participants (for more participants please use separate sheet):    Position:

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

Hotel accommodation required:  yes     no, from \_\_\_\_\_ to \_\_\_\_\_, for \_\_\_ persons  
for \_\_\_ nights.

**Seminar fees: EUR 1,450.00 per participant, VAT additionally if applicable.**

The EMCC general conditions will be accepted with the booking. Seminar fees are due to receipt of invoice or 14 days before seminar start, latest.

\_\_\_\_\_  
(Place, date)

\_\_\_\_\_  
(Authorized Signature)

**Invoicing Address and VAT number:**

\_\_\_\_\_  
\_\_\_\_\_  
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## EMCC SEMINARS - TERMS AND CONDITIONS OF PARTICIPATION

### REGISTRATION

by MAIL	by FAX	by PHONE	by E-MAIL
EMCC DR. RAŠEK Störnhofer Berg 15 91364 Unterleinleiter Germany	+49 9194 7262-199	+49 9194 7263-0	emc.sem@emcc.de

### FEES

The seminar fee must be paid after receipt of the invoice and the confirmation of booking. All invoices must be paid in advance, 14 days prior to the seminar start at the latest.

The costs for all documentation and seminar papers are included in the seminar fee.

The seminar fee is subject to VAT if venue is in Europe.

### HOTEL ACCOMODATION

Hotel accommodation is not included in the seminar fee.

If you want us to book your accommodation, please give us a note and we will take care of your accommodation requirements.

Our Guest House HOTEL HAUS-FRANKEN is part of the EMCC Seminar Center Building.

### HOWTO FIND US

You will receive a confirmation of booking including location details, also please see [www.emcc.de](http://www.emcc.de).

### CANCELLATIONS

No charges will be considered for cancellations received not later than 14 days prior to the event. Cancellations within 14 to 3 working days before the start of the seminar will be liable for 50 % of the seminar fee. After this date cancellations are liable for the full seminar fee. The same applies to non-appearance or interruption. However, we are happy to accept substitute delegates at any time.

### CHANGE OF TERMS

In case of cancellation caused by EMCC DR. RAŠEK (e.g. for sick leave or insufficient number of participants), the entire fee will be refunded.

A change of speakers does not legitimate a reduction of the seminar fee or withdrawal of the booking.

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## EMCC Seminar Center & Laboratory

in Unterleinleiter, Germany

