



SEMINAR INVITATION

on 17.09.2025 in Sofia

Partner:

ROHDE & SCHWARZ
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WÜRTH ELEKTRONIK MORE THAN YOU EXPECT

INVITATION TO THE FREE TECHNICAL SEMINAR ON 17.09.2025 IN SOFIA

Würth Elektronik and Rohde & Schwarz cordially invite you to the free Seminar on 17.09.2025 in Sofia.

The seminar was designed by engineers and technicians and is aimed at people who are interested in practice-oriented content, to get support in the development of error-free electronics and devices.

Main topics:

- EMI Debugging and pre-compliance measurements made easy and cost efficient
- DC/DC converter Conducted Emission EMC troubleshooting using oscilloscope
- How to mitigate with near field probes to identify noise source
- Filtering common mode and differential noise using Y and X capacitors, and common mode chokes

In the live demonstrations will be used embedded modules and reference designs made by [VEKATECH](#), Bulgaria.

Seminar location: Hotel Expo Sofia, 149 Tsarigradsko Shosse Blvd, 1784 Sofia

September 17, 2025 from 08:40 a.m. to 05:00 p.m.

Free parking for the participants is available in the hotel parking, until filled the parking area.

Please register by 09.09.2025 as the number of participants is limited. You can find the registration here: www.we-online.com/seminar-registration

Please contact below for possible questions:

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We would be pleased to welcome you to our seminar.

With kind regards

Würth Elektronik eiSos GmbH & Co. KG

Rohde & Schwarz

AGENDA FOR THE FREE TECHNICAL

SEMINAR ON 17.09.2025 IN SOFIA

08:40 – 09:00	Registration and coffee
09:00 – 09:20	Introduction & Welcome
09:20 – 10:30	EMI Debugging and pre-compliance measurements made easy and cost efficient by R&S
10:30 – 10:50	Coffee break
10:50 – 12:00	HOW to mitigate with near field probes to identify noise source by WE
12:00 – 13:30	Lunch
13:30 – 15:00	Live Demo Part 1 with possibility to participate / DC/DC converter Conducted Emission EMC troubleshooting using oscilloscope
15:00 – 15:20	Coffee break
15:20 – 16:20	Live Demo Part 2 with possibility to participate / Filtering common mode and differential noise using Y and X capacitors, and common mode chokes
16:20 – 17:00	Q&A

Abstract:

During the session's, the customers will see how to use the Oscilloscope to do EMC measurement.

To identify the different frequency of the board and what need to be filtered to reduce the EMI.

- We will see what where the noise source is
- How to identify CM and DM noise
- The possible solution to attenuate the noise

Then we will test few components to see the attenuation provided,

We will see the impact of different filter.

Presented by:

Mr. Lorandt Foelkel, M.Eng; Field Application Engineer & Product Development Manager,
Würth Elektronik eiSos & Co. KG

Mr. Arno Holl, Application Engineer, Rohde & Schwarz