

Testing Secure Radios in Time, Frequency and Digital Domain.

Part 1

The adoption of software-defined radio (SDR) architectures in secure communications enables armed and public safety forces to raise their situational awareness by using more capable, interoperable, secure and robust radios. However, the complexity and reliability requirements of the radios have also increased, obliging manufacturers and operators to invest in new design methodologies and develop much more exhaustive multidomain testing procedures. In this first part of the webinar, we will talk about a few radio-frequency testing procedures, from coexistence testing to evaluating how radio communication might be affected by other close transmissions. We will examine the all-in-one portable radio tester and relevant automated test sequences in radio qualification or maintenance scenarios. Finally, we will discuss how to hunt for other transmitters when evaluating communication capabilities directly in the field. Join the first entry in our series of webinars to discover how you can conduct radio-frequency measurements in the lab, and in the field, with leading-edge test solutions from Rohde & Schwarz.

In this webinar, you will learn how to/ more about:

- radio maintenance requirements for modern secure radios
- coexisting test set-ups for realistic radio performance measurements
- interference hunting in a real world scenario

Speakers:

Albert Ramirez Perez
Market Segment Manager A&D Rohde & Schwarz

Albert Ramírez Pérez is a market segment manager for the aerospace and defense market at Rohde Schwarz and has been working in the aerospace industry for almost two decades. Nowadays, Albert is focusing on the military communication segment as he has years of engineering experience at the military aeronautics industry acting as a systems engineer. He was responsible for the communications design and was the software certification expert for the A400M and Eurofighter Aircraft and the NH90 and Tiger Helicopters. Albert also has a very strong background in aerospace standardization, as he has developed business for MathWorks for over 6 years, helping aerospace customers adopt model-based design and simulation software to comply with aerospace standards such RTCA, ECSS or NASA among others. Albert studied radiofrequency communications engineering and holds an MBA in Economy and Innovation Management.

Naseef Mahmud
Application Development Engineer Rohde & Schwarz

Naseef Mahmud received his Master's Degree in Electrical, IT and computer engineering with a focus on communication engineering from the RWTH Aachen University in Germany. Since then he has served in multiple roles at the test & measurement company, Rohde & Schwarz. Over the years, Naseef had the unique opportunity to work with and gain industry insights from some of the biggest companies in multiple industries. He holds

multiple patents in the field of satellite, IoT and automotive testing. Naseef has established himself as a trusted advisor for the topic of over the air testing and coexistence testing for Rohde & Schwarz as well as their customers. He represents Rohde & Schwarz at different standardization bodies around the world such as at ETSI, REDCA and ANSI.

Beginn:

Dienstag, 23. Februar 2021, 09:00 Uhr

Ende:

Dienstag, 23. Februar 2021, 10:00 Uhr

Veranstaltungsort:

Online

Website & Anmeldung:

https://event.on24.com/wcc/r/2989567/FBC519A89503E30A6D52B13A596F22D5?partnerref=hq_pr_mm-152416