AGENDA

**Rohde & Schwarz digital conference –
The ongoing evolution of 5G**

AGENDA- CONFERENCE STREAM

**October 07, 2020
Conference area; Live stream**

09:00- 09:15	Welcome Anne Stephan, Vice President Market Segment Wireless Communication Reiner Stuhlfauth, Technology Manager
09:15- 09:30	Expert Talk: The evolution of 5G Anne Stephan, Vice President Market Segment Wireless Communication Andreas Pauly, Executive Vice President T&M Christoph Pointner, Senior Vice President Mobile Radio Testers
09:30 - 10:00	Keynote: Technology aspects enabling 5G Meik Kottkamp, Technology Manager
10:00 – 10:30	Validation of massive MIMO and digital design Guido Schulze, Product Manager Oscilloscopes
10:30 – 11:00	Improving 5G base station test throughput with R&S server-based testing Sascha Laumann, Product Managers Signal and Spectrum Analyzers
11:00 – 11: 30	Over-the-air testing using plane-wave synthesis Benoit Derat, Senior Director Development EMC, Antenna Testing, OTA
11:30 – 12:00	5G electromagnetic field measurements Peter Busch, Market Segment Manager Mobile Network Testing
12:00 – 13:30	**BREAK**
13:30 – 14:00	Let's get ready for testing the next generation mobiles Jörg Köpp, Market Segment Manager Wireless Communication

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14:00 – 14:30	5G smartphone testing made easy Manuel Galozy, Product Manager Mobile Radio Test
14:30 – 15:00	NR LTE coexistence through dynamic spectrum sharing Andreas Roessler, Technology Manager
15:00 – 15:30	Over-the-air testing for 5G FR2 Günter Pfeifer, Product Manager EMC, Antenna Testing, OTA
15:30 – 16:00	Accelerating 5G certification for network operators Ahmed Kallel, Product Manager Mobile Conformance and Operator Testing
16:00 – 16:30	The ongoing evolution of 5G New Radio Reiner Stuhlfauth, Technology Manager
16:30 – 16:45	Wrap up Anne Stephan, Vice President Market Segment Wireless Communication Reiner Stuhlfauth, Technology Manager

DEEP DIVE SESSION AREA- ON DEMAND

Get more technical insights with our related video series.
Just pick and watch. Any time you like in the deep dive session area.

RF Frontend designs for 5G, satcom and radar

Machine Learning based QoE testing in mobile networks

Cellular Internet of Things in 5G Era

5G NR in the context of industrial applications

5G security aspects

Phase noise and their effect in DDS based architectures

C-V2X and end-to-end application testing

5G NR Base station conformance testing

Six or seven things you should know about the next big things in Wi-Fi

Wireless trends in Industrial Internet of Things (IIoT)

Non-terrestrial networks (NTN)

Signal integrity challenges and latest solutions

EXPERT LOUNGE – ONE TO ONE

Any questions? Need more details?
Just talk to one of our experts in person.

Set up your meeting slots between 12:00 to 16:00 CEST with our experts.
Please pick your time and sign up at the day of the event in the expert lounge area.

VIRTUAL BOOTH AND DEMOS

Don´t miss out on our live demonstrations. Twice a day.
Our experts will give you hands on experience.

13:00 – 13:15 16:00 – 16:15	OTA measurements of 5G mmWave signals using the R&S ATS800B Compact Antenna Test Range (CATR).
Abstract	CATR solutions offer a large quiet zone in a much smaller setup compared to the direct far-field approach. In this demonstration the quiet zone quality of the R&S ATS800B will be assessed and a boresight gain measurement based on the reference antenna method will be demonstrated. Presenter: Maik Reckeweg, Technical Trainer OTA and Antenna Measurement
12:00 – 12:15 15:00 – 15:15	5G NR physical layer measurements
Abstract	In this demo setup a 28 GHz power amplifier is measured with the high-end instruments R&S®SMW200A vector signal generator and R&S®FSW43 vector signal analyzer. It will be shown how to quickly modify important 5G NR physical layer parameters like bandwidth, subcarrier spacing or modulation format in order to characterize the device under test. Presenter: Matthias Weilhammer, Product Manager Signal Generators
On demand	5G RF, Protocol and Application Testing with CMsquares Sequencer GUI
Abstract	In this test setup we will show you how to utilize CMX500 5G NR Mobile Radio tester setup with the graphical Sequencer which is part of the unified CMsquares 5G test toolchain. Learn, how you can easily setup 5G NR test scripts from scratch to test 5G devices for different use cases, from RF to data end-2-end tests. One of the showcases will include some network reject scenarios as well as typical Tx/Rx measurements. Presenter: Chibba Manish, Product Manager Mobil Radio Test

Join us online: https://5g.rsvirtual.events/register

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