**Mobile Network Testing**

# 5G CONFERENCE 2022

▶ 24-25 January 2022

**ROHDE & SCHWARZ**
Make ideas real

## THE FRONTIER OF 5G NETWORK TESTING

Network and service performance are critical to achieving optimal quality of experience (QoE) and quality of service (QoS). As 5G deployment is carried out extensively in the region, preparing a robust 5G NR spectrum deployment, regular testing and continuous optimization are key to ensure customer satisfaction. Over this two-day event, Rohde & Schwarz offers deep insights and case studies on these hot topics in mobile network ecosystem and will include a virtual round table networking and discussion session with fellow professionals and test technology specialists.

## 24 January

| Time (SG time) | Program | |
|---|---|---|
| 2:00 pm | **Welcome address by Anne Stephan, Vice President, R&S Mobile Network Testing** | |
| 2:10 pm | **Keynote speech by Sam Majid, Malaysian Communications and Multimedia Commission** | |
| 2:30 pm | **Prepare a robust 5G NR spectrum for deployment, by Peter Busch, R&S** Interference Hunting continues to play a critical role in ensuring the quality and performance of mobile networks. Different from 4G/LTE, the general complexity of 5G deployments have created some new challenges when it comes to identifying and removing network interference. External interference issues at C-band/band n78 is still a lingering issue in some countries. In addition, the emergence of private 5G brings forth new stakeholders with more demanding performance and quality requirements. Find out what are the new technique and tools for Interference Hunting in 5G networks. | |
| | *Break* | |
| 3:30 pm | **How network testing ensures 5G network performance, by Christian Mueller, R&S** With the emergence of 5G, deployment of public and private networks for manufacturing, industrial applications and wide range of other uses is taking off. Business-critical use cases, such as flexible, efficient and productive factories are enabled by the capacity, speed and reactivity of 5G and now also 5G SA. We will present how 5G networks can be evaluated by passive and active network tests as a basis for network optimization and to ensure performance with demanding requirements. Critical topics such as synchronization test and EMF/OHS will also be discussed. | |
| 4:30 pm | **Networking Room A** | **Networking Room B** |
| 4:50 pm | *Wrap up* | |

## 25 January

| Time (SG time) | Program | |
|---|---|---|
| 2:00 pm | **Welcome address by Sebastian Soh, APAC Sales & Operation Manager Mobile Network Testing** | |
| 2:10 pm | **Keynote speech by Dr. Shamsuzzoha, Bangladesh Telecommunication Regulator Commission** | |
| 2:30 pm | **Revealing the real insights of network quality, by Avink Kansal, R&S** Whenever we make comparison, we always want to ensure that it's a fair one. We should also follow this principle when comparing the quality of different mobile networks (network benchmarking) to make a valid evaluation. This presentation explains the transparent and scalable benchmarking methodology defined and ratified by the international standards body ETSI in a Technical Report that can be used domestically and globally. We will also discuss how 5G influenced the approach of network testing. | |
| | *Break* | |
| 3:30 pm | **Four phases of the holistic 5G network optimization, by Arnd Sibila, R&S** 5G networks are complex and reaching the intended performance after deployment is not easy. Network optimization starts after deployment and it is an ongoing process dealing with ad-hoc trouble tickets and continuous data collection and analysis. Statistical data from benchmarking campaigns can also be used to drill-down to potential issues that lead to network optimization actions. Learn what are the essential four phases of testing here. | |
| 4:30 pm | **Networking Room C** | **Networking Room D** |
| 4:50 pm | *Wrap up* | |