

Table of Contents

- 1. What Is 5G?
- 2. 5G Standardization
- 3. Spectrum for 5G
- 4. LTE - an overview
- 5. NR Overview
- 6. Radio-Interface Architecture
- 7. Overall Transmission Structure
- 8. Channel Sounding
- 9. Transport-Channel Processing
- 10. Physical-Layer Control Signaling
- 11. Multi-Antenna Transmission
- 12. Beam Management
- 13. Retransmission Protocols
- 14. Scheduling
- 15. Uplink Power and Timing Control
- 16. Cell search and system information
- 17. Random access
- 18. LTE/NR Interworking and Coexistence
- 19. NR in unlicensed spectrum
- 20. Industrial IoT and URLLC enhancements
- 21. Interference handling in TDD networks
- 22. Integrated Access Backhaul
- 23. Sidelink communication
- 24. Positioning
- 25. RF Characteristics
- 26. RF Technologies at mm-Wave Frequencies
- 27. 5G - Further evolution