



5G Drive Test Troubleshooting

2 Hours



LEARNING OBJECTIVE:

Upon completing the course, the participant will be able to:

- Understand in detail The Drive Test process, types of Drive Tests
- Look at the general approach followed in DT
- Discuss the 5G Different types of measurement performed in 5G
- Understand Discuss the optimization solutions in 5G
- Discuss the case study

COURSE OBJECTIVE:

This Course covers the 5G Drive Test process from scratch, starting from the basic concepts of Drive test, how the drive test us carried out ad what is to be checked in the whole process. We will also look at the case study.

WHO SHOULD ATTEND:

This course is designed to provide a in-depth knowledge about the 5G procedures so telecommunications professionals, network professionals and others who plan to work and gain knowledge in 5G wireless network can come on board.

TARGET AUDIENCE:

RF Engineers, 5G Planners and Optimizers.

INSTRUCTIONAL METHODS:

Lectures in Classroom, Virtual Classroom trainings, discussion, Questions & Answers. All participants will also receive comprehensive course materials.

COURSE OUTLINE :

1. Introduction to Drive test

- 1.1 Drive Test**
- 1.2 Type of Drive Test**
- 1.3 SCFT Test**

- 1.4 Type of Drive Test**
- 1.5 Issues identified by Drive Test**
- 1.6 Corrective Network optimization measures**
- 1.7 Drive Test Process steps**
- 1.8 E2E High Level DT Based optimization**





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2. Drive test process Steps

- 2.1 5G High Level Scope
- 2.2 5G Layer in Focus
- 2.3 General Approaches

3. 5G NR DT parameters

- 3.1 Measurements
- 3.2 Which parameters do we get from the 5G NR SSB?
- 3.3 Standard Quality Ranges
- 3.4 SS-RSRP
- 3.5 CSI-RSRP
- 3.6 NR-RSSI
- 3.7 CSI-RSSI
- 3.8 SS-RSRQ
- 3.9 CSI-RSRQ
- 3.10 CSI-SINR & SS-SINR

4. Typical Optimization Solution

- 4.1 Typical Optimization Solution
- 4.2 5G Process Flow
- 4.3 Drive Test Approaches
- 4.4 Pre Drive Test Preparation
- 4.5 Initial KPI Check
- 4.6 Initial Configuration Check
- 4.7 Drive Test PI for Analysis (1/2)
- 4.8 Drive Test PI for Analysis (2/2)
- 4.9 Early RFS Criteria
- 4.10 Analysis Direction
- 4.11 Initial KPI check

5. Case Study

- 5.1 What Happens During a Drive Test?
Coverage
- 5.2 SSB / Beam Ranking
- 5.3 Nemo, dedicated, channel status
information received signal strength
indicator N78
- 5.4 Sources

Evaluation and feedback of the participants

Maximum number of participants: 15

Duration: 2 Hours

