**3GPP TSG-RAN WG4 Meeting #112 R4-2413422**

**Maastricht, NL, 19-23 Aug 2024**

**Agenda item:** 5.21.3

**Source:** Moderator (China Telecom)

**Title:** Topic summary for [112][322] NR\_cov\_enh2\_demod

**Document for:** Information

# Introduction

This contribution summarizes the open issues for the maintenance of the performance part for the Rel-18 further coverage enhancement WI under agenda 5.21.2.

# Topic #1: Multiple PRACH transmission reuqirements

## Companies’ contributions summary

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| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2411181 | China Telecom | Summary of simulation results for Rel-18 NR coverage enhancements BS demodulation requirements |
| R4-2412770 | Huawei,HiSilicon | Simulation results on BS demodulation requirements for further coverage enhancements |
| R4-2412316 | Ericsson | Simulation results for NR PRACH repetition requirements |
| R4-2412789 | ZTE Corporation, Sanechips | Simulation results for multiple PRACH |
| R4-2413441 | Samsung | Simulation results for further coverage enhancement |
| R4-2411257 | China Telecom | Correction on test applicability for PRACH repetition requirements |
| R4-2412317 | Ericsson | (NR\_cov\_enh2-Perf) CR for 38.104 Adding PRACH repetition requirement values |
| R4-2413442 | Samsung | CR on test requirements for multiple PRACH transmission in TS 38.141-2 |

## Open issues summary

**Issue 1: Simulation result collection for PRACH format A2 and C2**

* Companies to provide simulation result update in R4-2411181

**Issue 2: Maintenance CR review**

* Companies to provide comments and response under e-mail thread [112][322] NR\_cov\_enh2\_demod – CR review