**3GPP TSG-RAN WG4 Meeting #111 R4-240xxxx**

**Fukuoka city, Japan , May 20th – 24th, 2024**

**Agenda item:** 7.23.6

**Source:** Moderator (Qualcomm)

**Title:** Topic summary for [111][225] NR\_mobile\_IAB

**Document for:** Information

# Introduction

*This email discussion contains the summary of the proposals on the RRM performance requirements/tests to be defined for mobile IAB.*

# Topic #1: RRM performance

*There were no papers submitted for RRM core maintenance, the summary only contains the draft CRs for RRM performance(accuracy requirements and test cases)*

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| [**R4-2408660**](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_111/Docs/R4-2408660.zip) | Nokia | Specifiing mIAB-MT Timing Advance test case in FR2-1 based on the corresonding UE test cases defined in TS 38.133, Clause A.7.4.2.1. |
| [**R4-2409306**](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_111/Docs/R4-2409306.zip) | Qualcomm Incorporated | Measurement Accuracy Test Cases are introduced |
| [**R4-2409568**](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_111/Docs/R4-2409568.zip) | Qualcomm Incorporated | Big CR endorsed in RAN4#110Bis |

## Open issues summary

Two draft CRs with more RRM test cases were submitted

1. R4-2408660 – Draft CR to 38.174 on mIAB-MT RRM Transmit Timing Test Cases
2. R4-2409306 - Draft Measurement Accuracy Test Cases for mobile IAB

If the tests in these draft CRs are endorsed, these should be further combined with R4-2409568 to finalize RRM performance part of the mobile IAB WI

### Sub-topic 1-1

R4-2408660 – Draft CR to 38.174 on mIAB-MT RRM Transmit Timing Test Cases

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| --- | --- |
| ***Reason for change:*** | The followgin agreements were achived RAN4#110 meeting [R4-2403326]:* Existing timing requirements in Section 12.2, TS 38.174 are applicable to mIAB-MT
* RAN4 to define mIAB-MT timer accuracy requirements by reusing UE requirements from Clause 7.2 of TS 38.133

Legacy NR IAB-MT Transmit Timing Tests for FR1/FR2-1 (Clauses G.2.2.1.1/2 of TS 38.174) shall be applicable and reused for mIAB-MTs. |
|  |  |
| ***Summary of change:*** | Specifiing mIAB-MT Timing Advance test case in FR2-1 based on the corresonding UE test cases defined in TS 38.133, Clause A.7.4.2.1. |

**Issue 1-1: R4-2408660**

* Proposals
	+ Option 1: Provide comments on whether the contes can be endorsed
* Recommended WF

Please provide any comments if changes are needed

### Sub-topic 1-2

R4-2409306 - Draft Measurement Accuracy Test Cases for mobile IAB

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| --- | --- |
| ***Reason for change:*** | Introduce Measurement Accuracy Test Cases for mIAB-MT |
|  |  |
| ***Summary of change:*** | Measurement accuracy test cases for Intra-frequency SS-RSRP, intra-frequency SS-RSRQ, intra-frequency SS-SINR, SSB based L1-RSRP, CSI-RS based L1-RSRP are introduced |

**Issue 1-2: R4-2409306**

* Proposals
* Proposals
	+ Option 1: Provide comments on whether the contes can be endorsed
* Recommended WF

Please provide any comments if changes are needed