**3GPP TSG-RAN WG4 Meeting # 109 R4-2318124**

**Chicago, USA, November 13 – November 17, 2023**

**Agenda item:** 7.33.4

**Source:** Emil Olbrich (Anterix)

**Title:** Topic summary for [109][118] US\_900MHz

**Document for:** Information

# Introduction

*Briefly introduce background, the scope of this email discussion (e.g. list of treated agenda items) and provide some guidelines for email discussion if necessary.*

Summary for contributions submitted under agenda item 7.33 Introduction of 900 MHz NR Band in the US. Core and Perf CRs are mainly resubmitted from e-bis RAN4 #108. Update to overlapping bands for MFBI in band 8, n8, 106 and n106 have been submitted also.

# Topic #1: Band n106 Core Requirements

*Main technical topic overview. The structure can be done based on sub-agenda basis.*

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| [R4-2320401](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2320401.zip) | Nokia, Nokia Shanghai Bell, Anterix | CR to 37.104 on introduction of Band n106 |
| [R4-2320951](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2320951.zip) | Nokia, Nokia Shanghai Bell, Anterix | CR to TS 38.104 on Introduction of Band n106 |
| [R4-2319199](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2319199.zip) | ZTE Corporation | CR to TS 36.104: the introduction of band n106 |
| [R4-2319203](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2319203.zip) | ZTE Corporation | CR to TS38.174: introduction of band n106 |
| [R4-2319590](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2319590.zip) | Ericsson | CR to TS 37.105 - Introduction of band n106 |
| R4-2318534 | Nokia, Anterix, Huawei, Ericsson | CR for 38.101-1: Introduction of n106 |

## Open issues summary

*Before Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

No open issues

### Sub-topic 1-1

*Sub-topic description:*

*Open issues and candidate options before meeting:*

**Issue 1-1: Band n106 new band core requirement approval CRs**

* Proposals
  + Option 1: Approve CRs for R4-2320401, R4-2320951, R4-2319199, R4-2319203, R4-2319590, R4-2318534
  + Option 2: Revise CRs for R4-2320401, R4-2320951, R4-2319199, R4-2319203, R4-2319590, R4-2318534
* Recommended WF
  + Option 1

# Topic #2: Band n106 Performance Requirements

*Main technical topic overview. The structure can be done based on sub-agenda basis.*

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2320399 | Nokia, Nokia Shanghai Bell, Anterix | CR to 38.141-1 on introduction of Band n106 |
| R4-2320400 | Nokia, Nokia Shanghai Bell, Anterix | CR to 38.141-2 on introduction of Band n106 |
| R4-2320869 | Nokia, Nokia Shanghai Bell, Anterix | CR to 37.145-1 on introduction of Band n106 |
| R4-2320870 | Nokia, Nokia Shanghai Bell, Anterix | CR to 37.145-2 on introduction of Band n106 |
| R4-2319200 | ZTE Corporation | CR to TS 36.141: the introduction of band n106 |
| R4-2319201 | ZTE Corporation | CR to TS37.141: the introduction of band n106 |
| R4-2319202 | ZTE Corporation | CR to TS38.115-1: introduction of band n106 |
| R4-2319204 | ZTE Corporation | CR to TS38.176-1: the introduction of band n106 |
| R4-2319205 | ZTE Corporation | CR to TS38.176-2: introduction of band n106 |

## Open issues summary

*Before Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

### Sub-topic 2-1

*Sub-topic description:*

*Open issues and candidate options before meeting:*

**Issue 2-1: TBA**

* Proposals
  + Option 1: Approve CRs for R4-2320399, R4-2320400, R4-2320869, R4-2320870, R4-2319200, R4-2319201, R4-2319202, R4-2319204, R4-2319205
  + Option 2: Revise CRs for R4-2320400, R4-2320869, R4-2320870. Approve CRs R4-2319200, R4-2319201, R4-2319202, R4-2319204, R4-2319205, R4-2320399
* Recommended WF
  + Option 1

# Topic #3: MFBI support band 106 and n106

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| [R4-2318533](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2318533.zip) | Nokia, Anterix | CR for 36.307 B106 and B8 overlapping bands |
| [R4-2318532](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2318532.zip) | Nokia, Anterix | CR for 38.307 n106 and n8 overlapping bands |

## Open issues summary

*Before Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

NOTE: There is an accompanying discussion tdoc in RAN 2 R2-2312122 MFBI support for band 8 and 106.

* 1st round: Discussion, comments on open issues.
* 2nd round: Continue discussion and agreement on remaining open issues.

### Sub-topic 2-1

*Sub-topic description:*

*Open issues and candidate options before meeting:*

**Issue 2-1: Update to Annex A Table of overlapping bands for support of MFBI**

* Proposals
  + Option 1: Approve CRs for [R4-2318533](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2318533.zip) and [R4-2318532](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2318532.zip)
  + Option 2: Revise CRs for [R4-2318533](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2318533.zip) and [R4-2318532](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_109/Docs/R4-2318532.zip)
* Recommended WF
  + Option 1