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

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

**Agenda item:** 7.6.3

**Source:** Moderator (vivo)

**Title:** Topic summary for [111][209] NR\_BWP\_wor

**Document for:** Information

# Introduction

This topic summary covers following agenda for WI of completion of specification support for bandwidth part operation without restriction.

7.6 Completion of specification support for bandwidth part operation without restriction in NR [NR\_BWP\_wor]

7.6.1 RRM core requirements maintenance [NR\_BWP\_wor-Core]

7.6.2 RRM performance requirements [NR\_BWP\_wor-Perf]

**Recommendation of issues for online discussion:**

For Topic #1:

Issue 1-5: Configuration of SSB resources within CSI-ResourceConfig settings for option B-1-1

# Topic #1: Core part maintenance

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

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2408275 | vivo, Vodafone | **Proposal 1:** **Remove the bracket in L1-RSRP/L1-SINR requirements for UE supporting option B-1-1.** |
| R4-2408326 | Ericsson | **Proposal 1:** **From RAN4’s understanding, configuration of SSB resources outside active BWP is allowed within *CSI-ResourceConfig* settings for UEs supporting option B-1-1. No need to send an LS to RAN1/RAN2.** |
| R4-2409257 | Huawei, HiSilicon | **Proposal 1: RAN4 to confirm that** **SSB outside a BWP can be configured within *CSI-ResourceConfig* for the BWP if UE supports option B-1-1.** |
| R4-2409750 | MediaTek inc. | **Proposal 1: RAN4 should further clarify what is the ambiguity part of the other WG spec before sending an LS requesting for further details.**  **Proposal 2: The discussion should be left to RAN1 group.** |
| R4-2409258 | Huawei, HiSilicon | **draftCR on requirements for BWP without restriction** |
| R4-2407213 | Vodafone | **Big CR to TS 38.133 on core requirement maintenance for Completion of specification support for BWP without restriction in NR** |
| R4-2407455 | Qualcomm Incorporated | **(NR\_BWP\_wor-Core) draft CR on condition of intra-band SSB-based measurements without measurement gap for Option C [R18 CatF]** |
| R4-2408159 | Nokia | **CR clarifying the handover interruption time requirements** |

*The moderator can suggest a limited number of papers which could be presented.*

## Open issues summary

*Before f2f meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

**Issue 1-5: Configuration of SSB resources within *CSI-ResourceConfig* settings for option B-1-1**

* Proposals
  + Option 1: (vivo, Vodafone)
    - Remove the bracket in L1-RSRP/L1-SINR requirements for UE supporting option B-1-1.
  + Option 2a: (Huawei)
    - RAN4 to confirm that SSB outside a BWP can be configured within *CSI-ResourceConfig* for the BWP if UE supports option B-1-1.
  + Option 2b: (Ericsson)
    - * Configuration of SSB resources outside active BWP is allowed within *CSI-ResourceConfig* settings for UEs supporting option B-1-1. No need to send an LS to RAN1/RAN2.
  + Option 2c: (MTK)
    - RAN4 should further clarify what is the ambiguity part of the other WG spec before sending an LS requesting for further details.
* Recommended WF
  + Agree on the following.
    - It is RAN4 common understanding that SSB outside a BWP can be configured within *CSI-ResourceConfig* for the BWP if UE supports option B-1-1.
    - Remove the bracket in L1-RSRP/L1-SINR requirements for UE supporting option B-1-1.

# Topic #2: Performance part

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

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2407214 | Vodafone | **Big CR to TS 38.133 on performance requirements for Completion of specification support for BWP without restriction in NR** |
| R4-2407518 | CATT | **(TC set 1&2) DraftCR on test cases for L1 and intra-frequency measurement without gap for option B-1-1** |
| R4-2408276 | vivo | **Draft CR on test cases for intra-frequency measurements without gaps for option C** |
| R4-2408277 | vivo | **Draft CR on test configurations for BWP operation without restriction** |
| R4-2408327 | Ericsson | **Draft CR to 38.133 Test case of L1-RSRP,L1-SINR for Option C** |
| R4-2409259 | Huawei, HiSilicon | **draftCR on HO TCs for option C** |
| R4-2409751 | MediaTek inc. | **Draft CR to Rel-18 TS 38.133: on test case of L1-RSRP, L1-SINR for option C** |

*The moderator can suggest a limited number of papers which could be presented.*

## Open issues summary

*Before f2f meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

None.

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