**3GPP TSG-RAN WG4 Meeting # 102-e R4-22XXXXX**

**Electronic Meeting, 21 February – 03 March 2022**

**Agenda item:** 10.6.4

**Source:** Moderator (Ericsson)

**Title:** Email discussion summary for [102-e][307] NR\_DL1024QAM\_RF

**Document for:** Information

# Introduction

The remaining task for 1024QAM RF is to formally approve CRs corresponding to the draft CRs endorsed at RAN4#101bis-e

List of candidate target of email discussion for 1st round and 2nd round

* 1st round: Approve CRs
* 2nd round: Only needed if issues found with CRs in round 1

# Topic #1: CRs for the conformance specification

## Companies’ contributions summary

No contributions other than the CRs listed in section 1.3.2

## Open issues summary

No open issues

## Companies views’ collection for 1st round

### Open issues

There are no open issues, but this section is left open in case any company has a non-CR related comment.

|  |  |
| --- | --- |
| **Company** | **Comments** |
| XXX |  |

### CRs/TPs comments collection

Guidance:

* Please add any comments on the CRs during the 1st round
* Lack of comments at the end of the 1st round indicates CR is agreeable
* If all CRs are agreeable at the end of the 1st round, then the recommendation will be made to agree CRs and the thread terminated
* If any CR has comments after the 1st round, a revision should be provided in the 2nd round. Agreement of CRs will be recommended only after all 5 CRs are agreeable.

|  |  |
| --- | --- |
| **CR/TP number** | **Comments collection** |
| R4-2203969 | CR for 37.145-1 on BS RF conformance testing for 1024QAM for NR FR1 (CATT) |
|  |
|  |
| R4-2203970 | CR for 37.141 on BS RF conformance testing for 1024QAM for NR FR1 (CATT) |
|  |
|  |
| R4-2205019 | CR to TS 38.141-2: Introduction of 1024 QAM in FR1 (Ericsson) |
| Docomo: 1. The second and third bullets of clause 6.4.3.4.2- (5) contain "or" at the end and beginning of each sentence, respectively, and they seem to be duplicate.
2. It may be our misunderstanding, but the last part of the third bullet of clause 6.4.3.4.2- (5) should be “if 256QAM is supported by BS with power back off”
3. It may be our misunderstanding, but it needs “not” in the fourth bullet of clause 6.4.3.4.2- (5). It should be “1024 QAM and 256QAM are both not supported”.
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|  |
| R4-2205195 | CR to TS 37.145-2 with 1024QAM introduction (Nokia) |
|  |
|  |
| R4-2205463 | CR to TS 38.141-1: Introduction of 1024 QAM in FR1 (ZTE) |
|  |
|  |

## Summary for 1st round

### Open issues

No open issues apart from CRs

### CRs/TPs

*Moderator tries to summarize discussion status for 1st round and provides recommendation on CRs/TPs Status update*

*Note: The tdoc decisions shall be provided in Section 3 and this table is optional in case moderators would like to provide additional information.*

|  |  |
| --- | --- |
| **CR/TP number** | **CRs/TPs Status update recommendation**  |
| R4-2203969 | CR for 37.145-1 on BS RF conformance testing for 1024QAM for NR FR1 (CATT)No comments received; return to after second round |
| R4-2203970 | CR for 37.141 on BS RF conformance testing for 1024QAM for NR FR1 (CATT)No comments received; return to after second round |
| R4-2205019 | CR to TS 38.141-2: Introduction of 1024 QAM in FR1 (Ericsson)Revise to take into account comments as needed |
| R4-2205195 | CR to TS 37.145-2 with 1024QAM introduction (Nokia)No comments received; return to after second round |
| R4-2205463 | CR to TS 38.141-1: Introduction of 1024 QAM in FR1 (ZTE)No comments received; return to after second round |

## Discussion on 2nd round (if applicable)

# Recommendations for Tdocs

## 1st round

**Existing tdocs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **Recommendation**  | **Comments** |
| R4-2203969 | CR for 37.145-1 on BS RF conformance testing for 1024QAM for NR FR | CATT | Return to |  |
| R4-2203970 | CR for 37.141 on BS RF conformance testing for 1024QAM for NR FR1 (CATT) | CATT | Return to |  |
| R4-2205019 | CR to TS 38.141-2: Introduction of 1024 QAM in FR1 (Ericsson) | Ericsson | Revise |  |
| R4-2205195 | CR to TS 37.145-2 with 1024QAM introduction (Nokia) | Nokia | Return to |  |
| R4-2205463 | CR to TS 38.141-1: Introduction of 1024 QAM in FR1 (ZTE) | ZTE |  Return to |  |

Notes:

1. Please include the summary of recommendations for all tdocs across all sub-topics incl. existing and new tdocs.
2. For the Recommendation column please include one of the following:
	1. CRs/TPs: Agreeable, Revised, Merged, Postponed, Not Pursued
	2. Other documents: Agreeable, Revised, Noted
3. For new LS documents, please include information on To/Cc WGs in the comments column
4. Do not include hyper-links in the documents

## 2nd round

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **Recommendation**  | **Comments** |
| R4-22xxxxx | CR on … | XXX | Agreeable, Revised, Merged, Postponed, Not Pursued |  |
| R4-22xxxxx | WF on … | YYY | Agreeable, Revised, Noted |  |
| R4-22xxxxx | LS on … | ZZZ | Agreeable, Revised, Noted |  |
|  |  |  |  |  |

Notes:

1. Please include the summary of recommendations for all tdocs across all sub-topics.
2. For the Recommendation column please include one of the following:
	1. CRs/TPs: Agreeable, Revised, Merged, Postponed, Not Pursued
	2. Other documents: Agreeable, Revised, Noted
3. Do not include hyper-links in the documents

# Annex

Contact information

|  |  |  |
| --- | --- | --- |
| **Company** | **Name** | **Email address** |
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Note:

1. Please add your contact information in above table once you make comments on this email thread.
2. If multiple delegates from the same company make comments on single email thread, please add you name as suffix after company name when make comments i.e. Company A (XX, XX)