**3GPP TSG-RAN WG4 Meeting # 99-e R4-2107966**

**Electronic Meeting, 19th – 27th May 2021**

**Agenda item:** 11.7

**Source:** Moderator (Ericsson)

**Title:** Email discussion summary for [99-e][156] LTE\_bands\_R17\_M1\_M2\_NB1\_NB2

**Document for:** Information

# Introduction

Below is list of issues related to adding B24 on the CAT-M1/M2 and NB1/NB2 :

* B24 A-MPR for CAT-M2

# Topic #1: Title

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| [**R4-2111193**](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_99-e/Docs/R4-2111193.zip) | Ericsson | **Proposal-1: Use the above table for A-MPR for CAT-M2 for “NS\_52” based on Table 6.2.4-34a .****Proposal-2: A-MPR simulation for CAT-M1 would be preferred to settle the NS\_52.** |

## Open issues summary

One company propose to derive CAT\_2 A-MPR for NS\_52 based on normal LTE UE A-MPR for NS\_52 as there is similarity in the configuration. Companies need provide views on the proposal.

### Sub-topic 1-1

*Sub-topic description:*

*Open issues and candidate options before e-meeting:*

**Issue 1-1: A-MPR table for NS-52 in B24 for CAT-M2**

* Proposals
	+ Option 1: **Use the above table for A-MPR for CAT-M2 for “NS\_52” based on Table 6.2.4-34a**.
	+ Option 2: other option
* Recommended WF
	+ Option 1.

## Companies views’ collection for 1st round

### Open issues

*One of the two formats, i.e. either example 1 or 2 can be used by moderators.*

Sub topic 1-1

|  |  |
| --- | --- |
| **Company** | **Comments** |
| Qualcomm | Is Table 6.2.4-34a in the paper referring to the WF of R4-2105371? Seems the A-MPR values are not inline with the values in R4-2105371 and this LTE A-MPR is not consistent with NR A-MPR. As agreed in R4-2105371, the following note should be removed. “Note that the additional emission requirements in Table 6.5.3.3.27 are specified in EIRP. The above A-MPR values to meet these additional emission requirements have been estimated using a 0 dBi antenna gain. The A-MPR may have to be adjusted if the supported antenna gain Gant declared by the UE manufacturer is different from 0 dBi.” |
| Ericsson | Thanks for Qualcomm to point it out the wrong values. The intention is to reuse whatever agreed for LTE A-MPR. Further WF could be used to correct this. |

### CRs/TPs comments collection

*For close-to-finalize WIs and maintenance work, comments collections can be arranged for TPs and CRs. For ongoing WIs, suggest to focus on open issues discussion on 1st round.*

|  |  |
| --- | --- |
| **CR/TP number** | **Comments collection** |
| XXX | Company A |
| Company B |
|  |
| YYY | Company A |
| Company B |
|  |

## Summary for 1st round

### Open issues

*Moderator tries to summarize discussion status for 1st round, list all the identified open issues and tentative agreements or candidate options and suggestion for 2nd round i.e. WF assignment.*

|  |  |
| --- | --- |
|  | **Status summary**  |
| **Sub-topic #1** | *One company point out the A-MPR table referred in 11193 is not according to the latest the agreement. WF could be assigned to correct the reference and discuss it in 2nd round.**Tentative agreements:Candidate options:**With the reference to A-MPR table in LTE B24 corrected, it seems the proposal-1 in 11193 is agreeable. Recommendations for 2nd round:* *Continue to discuss the WF capturing the comments from 1st round.* |

### 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**  |
| XXX | *Based on 1st round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |

## Discussion on 2nd round (if applicable)

# Recommendations for Tdocs

## 1st round

**New tdocs**

|  |  |  |
| --- | --- | --- |
| **Title** | **Source** | **Comments** |
| WF on … | YYY |  |
| LS on … | ZZZ | To: RAN\_X; Cc: RAN\_Y |
| WF on the A-MPR for Cat-M2 for B24 | Ericsson |  |

**Existing tdocs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **Recommendation**  | **Comments** |
| R4-210xxxx | CR on … | XXX | Agreeable, Revised, Merged, Postponed, Not Pursued |  |
| [**R4-2111193**](https://www.3gpp.org/ftp/TSG_RAN/WG4_Radio/TSGR4_99-e/Docs/R4-2111193.zip) | On B24 A-MPR for CAT-M1/M2 | Ericsson | Noted |  |
|  |  |  |  |  |
|  |  |  |  |  |

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

There is no comments received during 2nd round, the WF is recommended to be agreeable.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tdoc number** | **Title** | **Source** | **Recommendation**  | **Comments** |
| R4-210xxxx | CR on … | XXX | Agreeable, Revised, Merged, Postponed, Not Pursued |  |
| R4-210xxxx | WF on … | YYY | Agreeable, Revised, Noted |  |
| R4-210xxxx | LS on … | ZZZ | Agreeable, Revised, Noted |  |
| R4-2107902  | *WF on the A-MPR for Cat-M2 for B24* | *Ericsson* | Agreeable |  |

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