3GPP RAN TSG Meeting #92-e RP-21xxxx

Electronic meeting, June 14 – 18, 2021

**Agenda item:** 9.7.4.8

**Source:** Moderator (Nokia)

**Title:** Email discussion summary of [92-e-22-RF-FR2-WI]

**Document for:** Information

# Introduction

In RAN#92-e, an email thread [92-e-22-RF-FR2-WI] is assigned to discuss the following tdocs: RP-211174, 1175, 1394, 1395, 1460.

The plan is to discuss on the proposed changes to the WID first. Then the rapporteur can update the WID, if needed, based on the outcome of this email thread.

# Topic #1: RP-211174 and RP-211175

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| RP-211174 and RP-211175 | Nokia, Nokia Shanghai Bell | This WID revision proposes to * To put this objective on hold until there is a operator request for band combination. **Study and if feasible define UE RF requirements for inter-band CA within the same freq. group (e.g. 28GHz + 28GHz) for (IBM) based on explicitly requested band combinations**
* Remove these objectives from UL gaps for self-calibration and monitoring.
	+ **PA efficiency and power consumption**
	+ **Transceiver calibration due to temperature variation**
* Add a new objective
	+ **Enhancement of beam correspondence during initial access and RRC\_INACTIVE state [RAN4 RF]**
		- **SSB-based without UL beam sweeping**
		- **For initial access, verification of beam correspondence based on msg1 spherical coverage (at least)**
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## Company views

**Is WID revision acceptable?**

|  |  |
| --- | --- |
| **Company** | **Comments** |
| Ericsson | We are fine with the proposed updates/revisions. |

## Initial Summary

# Topic #2: RP-211394 and RP-211395

## Companies’ contributions summary

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| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| RP-211394 and RP-211395 | Huawei, HiSilicon | Add a new objective under UL gaps for self-calibration and monitoring.* **Coherent uplink MIMO**
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## Company views

**Is the proposed new objective agreeable?**

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

## Initial Summary

# Topic #3: RP-211460

## Companies’ contributions summary

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| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| RP-211460 | MediaTek Inc. | * **Proposal 1: Plenary intervention is needed to resolve current situation on MRTD and MTTD for FR2 inter band CA with CBM in RAN4.**
* **Proposal 2: If MRTD 260ns is not agreeable, remove** **CBM related objectives in the WID.**
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## Company views

**Is MRTD 260ns for CBM UE agreeable? If not is CBM related objectives removed from WID?**

|  |  |
| --- | --- |
| **Company** | **Comments** |
| Ericsson | We do NOT agree with MRTD of 260 ns for CBM. We suggest to keep the current objective on CBM in the WID. In R4-2108037, “WF on RRM requirements for FR2 Inter-band DL CA and UL CA” was approved. It has 3 options and option 2 (3 us but with degradation after certain value) was new. Companies are investigating different options until August meeting. |

## Initial Summary

# Final proposals/recommendations