**3GPP TSG-RAN WG2 Meeting#110-e R2-200xxxx**

**Electronic, 1 - 12 June 2020**

**Agenda Item:**  **6.10.4.2**

**Source: Huawei, HiSilicon**

**Title: Summary of [AT110-e][071][DCCA] New cases (Huawei)**

**Document for:** **Discussion and Decision**

# 1 Introduction

This document is a summary of the following offline discussion:

**[AT110-e][071][DCCA] New Cases (Huawei)**

Scope: Treat R2-2004573, R2-2005239, R2-2005616, R2-2005629. Determine agreeable parts if any, and and make corresponding agreements.

 Expected Outcome: Agreements

 Deadline: June 5 0700 UTC

# 2 Discussion

## 2.1 Idle/inactive measurements

There are the two following proposals.

[R2-2004573](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_110-e%5CDocs%5CR2-2004573.zip) Discussion on NR-U frequency in early measurement OPPO discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

This document is having two proposals:

**Proposal 1: RAN2 is kindly asked to confirm the *carrierFreqNR* for SSB frequency in early measurement configuration can be NR-U frequency.**

**Proposal 2: RMTC configuration can be configured for NR-U frequency in early measurement configuration. The RSSI and channel occupancy ratio measurement results are also included in early measurement results.**

Proposal 1 may not have any impact to current specifications.

Proposal 2 is to provide additional

**Q1: Do companies think that idle/inactive measurements of SSB measurements on NR carrier in unlicensed spectrum is currently supported?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Yes/No** | **Comments (if any)** |
| OPPO | Yes  | From current spec, NR-U frequency is not excluded.  |
|  |  |  |

**Q2: Do companies support introducing in 38.331 idle/inactive measurement and reporting of RSSI and channel occupancy ratio measurements for NR carriers in unlicensed spectrum?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Yes/No** | **Comments (if any)** |
| OPPO | Yes  | For NR-U frequency is configured in the early measurement configuration, it is worth to report RSSI and channel occupancy ratio measurements. |
|  |  |  |

[R2-2005239](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_110-e%5CDocs%5CR2-2005239.zip) Using NR early measurements with network sharing Huawei, HiSilicon, BT CR Rel-16 36.331 16.0.0 4308 - C LTE\_NR\_DC\_CA\_enh-Core

This document is considering the case of an LTE cell shared between multiple PLMNs, while NR carriers may not shared between the PLMNs. In order that UEs measure NR carriers on which they are allowed, it is proposed to add, for each NR carrier, a bitmap indicating for which of the PLMN indicated in SIB1 it is accessible.

**Q3: Do companies support introducing in 36.331 an indication per NR carrier for idle/inactive measurement, to indicate its applicability for each of the PLMNs in LTE SIB1, so that the UE only measures NR carriers applicable for the PLMN that it has selected?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Yes/No** | **Comments (if any)** |
| OPPO | No | It means that the UE will read the SIB1 for PLMN checking during idle measurement period? It impacts the UE idle measurement behaviour a lot. |
|  |  |  |

## 2.2 Fast recovery

[R2-2005616](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_110-e%5CDocs%5CR2-2005616.zip) Introduction of transmitting NAS messages on SCG Google Inc. draftCR Rel-16 36.331 16.0.0 F LTE\_NR\_DC\_CA\_enh-Core

[R2-2005629](file:///D%3A%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2%5CTSGR2_110-e%5CDocs%5CR2-2005629.zip) Introduction of transmitting NAS messages on SCG Google Inc. draftCR Rel-16 38.331 16.0.0 F LTE\_NR\_DC\_CA\_enh-Core

These documents are proposing to allow transmission of UL NAS messages on split SRB2 or SRB3 while T316 is running (i.e. during fast MCG recovery).

 **Q4: Do companies support introducing in 36.331/38.331 the possibility to transmit UL NAS messages on split SRB2 or SRB3?**

|  |  |  |
| --- | --- | --- |
| **Company** | **Yes/No** | **Comments (if any)** |
| OPPO | No | we do not think it is necessary to deliver the NAS message when MCG failure is ongoing. If there is NAS message is delivered to the gNB, the gNB will repose with “NAS Non Delivery Indication” message. |
|  |  |  |

# 3 Conclusion

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