**3GPP TSG RAN WG1 #102-e R1-2005979**

**e-Meeting, August 17th – 28th, 2020**

Source: Moderator (OPPO)

Title: Summary for [102-e-NR-7.1CRs-08] QCL assumption for paging reception

Agenda Item: 7.1

Document for: Discussion and Decision

1. Introduction

This document is a summary for email discussion “[102-e-NR-7.1CRs-08] QCL assumption for paging reception”

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| [102-e-NR-7.1CRs-08] QCL assumption for paging reception – Zhihua (OPPO)   * For Rel-16, Issue#21 in [R1-2006958](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_102\Docs\R1-2006958.zip) * Discussion/Agreements by 8/19, TPs by 8/24 |

The contribution R1-2006033 [1] raised the issue of QCL assumption for paging reception when paging PDCCH is monitored in CSS other than type0 CSS:

* When paging PDCCH is monitored in type0 CSS, TS 38.213 has specified the QCL assumption for paging reception.
* When paging PDCCH is monitored in CSS other than type0 CSS, TS 38.304 only defines the PDCCH monitoring occasion for paging in a PO corresponds to an SSB. However, no QCL assumption for such kind of paging reception is explicitly specified in current specifications.

1. Collection of Companies’ Views

## Q1

* Whether the following issue exists? And need to be fixed in spec?
  + - When paging PDCCH is monitored in CSS other than type0 CSS, current spec lacks specification of QCL assumption for the paging reception.

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## Q2

* If yes for Q1, what’s the solution?

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| **Company** | **View** |
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## TPs

Potential output depends on the above discussions. Companies are encouraged to input favorite CR to facilitate the second-stage discussion.

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| **Company** | **View / Proposed CR** |
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# Conclusions

To be added

# Reference

1. R1-2006033 Discussion on the QCL assumption for paging reception OPPO
2. R1-2006034 Draft CR on the QCL assumption for paging reception OPPO

# Appendix A: Views in the preparation phase email discussion

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| **Moderator / Session Chair's initial view** | Discuss over email in RAN1#102-e  Carry over from Rel-15 maintenance. |
| **vivo** | Agree with Chairman's assessment |
| **Nokia** | Agree with the chairman, this was the conclusion in RAN1#101 |
| **CATT** | Agree to discuss in RAN1#102-e. When SearchSpaceId other than 0 is configured for pagingSearchSpace, TS 38.304 has clearly defined the PDCCH monitoring occasion for paging in a PO corresponds to an SSB. However, it seems the QCL relation between PDCCHs/PDSCHs for paging and the corresponding SSBs are not explicitly defined in current specification. |
| **Samsung** | OK to discuss over email. |
| **Huawei** | Ok to discuss. |
| **Apple** | Agree with chairman |
| **MediaTek** | OK to discuss |
| **Intel** | We support to discuss this CR. |
| **Ericsson** | OK to discuss |
| **OPPO** | Agree with Chairman |
| **ZTE** | We are okay to have further discussion on UE behavior for CORESET QCL assumption for CSS outside CORESET#0 after RACH procedure |
| **NTT DOCOMO** | OK to discuss in this meeting. |
| **QC** | OK to discuss over email in this meeting |

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