**3GPP TSG RAN WG1#116 R1-24xxxxx**

**Athens, Greece, February 26th – March 1st, 2024**

Source: Nokia

Title: [116-R15/16-NR] Summary on SCell Type 1 virtual PHR report derivation

Agenda Item: 7.1

Release: Release 17

WI code: NR\_newRAT-Core, TEI17

Document for: Discussion and Decision

# Introduction

RAN1#114bis and RAN1#115 discussed the UE assumption for UL CA with no RACH configuration on the SCell, and how the virtual PHR should be determined for the SCell when  needed in the virtual PHR calculation that comes with RACH configuration is not present. The summaries are compiled in [1] and [2].

Six follow-up Tdocs were submitted ton RAN1#116 [3…8] indicating support for two proposals identified in RAN1#115.

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| **Ref** | **Proposal** |
| [3, 6, 7, 8] (ZTE, Huawei, New H3C) | Add the following text to 7.7.1 of 38.213:If the activated serving cell is an SCell and parameter *preambleReceivedTargetPower* is not configured for the cell, then the parameter *preambleReceivedTargetPower* configured for the primary cell is applied, where the parameter refers to the one configured for the non-supplementary uplink carrier if the primary cell is configured with two uplink carriers. |
| [4, 5] (Nokia) | Add the following text to 7.7.1 of 38.213:If the parameter of $P\_{O\\_PRE}$ is not provided for a serving cell *c*, it is determined by a parameter of $P\_{O\\_PRE}$ on carrier of primary cell . If the primary cell  is configured with two uplink carriers, the parameters configured for the non-supplementary UL carrier are applied. |

# References

1. R1-2310481 [114b-R15/16-NR] Summary on SCell Type 1 virtual PHR report derivation, Moderator (Nokia)
2. R1-2312463 [115-R15/16-NR] Summary on SCell Type 1 virtual PHR report derivation, Moderator (Nokia)
3. R1-2400283 Discussion on SCell Type 1 virtual PHR reporting in UL CA, ZTE
4. R1-2400943 On SCell Type 1 virtual PHR reporting in UL CA, Nokia, Nokia Shanghai Bell
5. R1-2400944 Clarification on SCell Type 1 virtual PHR reporting in UL CA, Nokia, Nokia Shanghai Bell
6. R1-2401389 Discussion on power control parameters for PHR of SCell, Huawei, HiSilicon
7. R1-2401397 Draft CR on power control parameters for PHR of SCell, Huawei, HiSilicon
8. R1-2400157 Discussion on power control parameters for PHR of SCell , New H3C Technologies Co., Ltd.

# Discussion

**Moderator proposal:** Adopt the text proposal to TS 38.213 section 7.7.1 according to ZTE, Huawei, HiSilicon and New H3C Technologies Co., LTD to Release 17.

Please provide your comment on the question to the table below

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| Company | Comments |
| Nokia, NSB | Support.As the only company proposing the second alternative (originally from ZTE), and when even the originator of that TP is supportive of the first alternative (originally from Huawei), we are supportive of the moderator proposal. |
| New H3C | Support |
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