**3GPP TSG-RAN WG4 Meeting #104-bis-e R4-22XXXX**

**<Electronic Meeting>, 10th-19th, Nov, 2022**

**Title:** WF on general text for the justification of Rel.18 higher power basket WIDs

**Agenda Item:** 6.3

**Source:** Samsung, CHTTL, ZTE

**Document for:** Approval

# Background

Before the RAN4#104-e meeting, MCC tasked RAN4 to list the restrictions for companies to propose the new band combinations in the affected basket WIDs so that people can take them into account. Here the restriction means that the proponents should propose all the necessary fallback modes together with the proposed band combinations.

During RAN4#104-e meeting, the group had reached consensus on the text regarding the fallback aspects to be captured in each basket WID, recorded in the WF [1]. Nevertheless, there was no Rel-18 higher power basket WI established at that time; hence the discussion had not taken higher power into consideration. Actually the recorded rules in the WF [1] are expected to be applicable to PC3 Basket WIs only which is unfortunately not explicitly stated in the WF.

During RAN#97-e meeting, one of the proposed higher power band combination basket WIDs had already included the fallback text with some modifications, which triggered more detailed discussion on the adaptations to be made for the higher power class aspects. Finally, an alternative text had been agreed and captured in the HPUE FR1 NR inter-band CA/DC or NR SUL WID [2].

During this RAN4 meeting, more discussion are triggered by [3] on the proper general text for the justification of Rel-18 higher power basket WI.

# Way Forward

## The text regarding the fallback aspects need to be captured in each higher power basket WID.

**Below general text regarding the fallback aspects are supposed to be added in justification of each higher power basket WID in RAN#98e.**

**<Way forward >**: Open issues need further discussion

*Modification (with change mark) on the original proposed text A) B) as below is to address the 1st round comment that hierarchy of fallback power class should be made clear, as well as the wording “using an agreed template” should be removed since there is no agreed template for higher power Basket WI as of now. Please further check whether it is agreeable.*

A) Request for additions of higher power band combinations to this WI shall be provided and sent to the 3GPP\_TSG\_RAN\_WG4\_NR\_BANDS email reflector before a RAN4 Tdoc submission deadline and no new band combinations are allowed to be requested after the deadline except to correct the missing fallback and add more supporting companies for the proposed band combinations.

B) When a proponent requests a new higher power band combination, the corresponding next level power class band combination configuration shall be completed or planned to be completed at the RAN4 meeting associated with the request. If the fallback configuration is not completed at the RAN4 meeting associated with the request, the new higher power band combination shall be removed from the revised WID for the upcoming RAN Plenary.

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| **Company** | **Comments** |
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*Regarding C), comments received on the 1st round that it should be made clear in what condition for higher power configurations to be considered as completed. The modification below intends to address the 1st round comment. Please further check whether it is agreeable.*

C)A higher power band combination configuration can be considered as completed only when the fallback configuration and the corresponding next level power class band combination configurations are completed and specified in advance or at the same meeting. It is the responsibility of the proponent to ensure the status of the fallback mode configuration and the corresponding next level power class band combination configuration. Rapporteurs and other companies are encouraged to check the status of the fallback configuration and the corresponding next level power class band combination configuration once the higher

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| **Company** | **Comments** |
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# References

[1] R4-2214425, WF on fallback rules of band combination, Samsung, CHTTL, Nokia, ZTE, Huawei, Skyworks, Apple, RAN4#104-e

[2] RP-222623, New WID: High power UE for FR1 NR inter-band CA/DC or NR SUL (supplementary uplink) band combination with y bands downlink (1<y<=6) and x bands uplink (x=1,2) and power class m (m<3) and high power on TDD band(s), China Telecom, Huawei, RAN#97e

[3] R4-2215738, Discussion on the general text for the justification of Rel.18 higher power NR CA/DC, NR SUL, and LTE/NR DC basket WIDs, Samsung, CHTTL, RAN4#104-bis-e

[4] R4-22xxxx, Email discussion summary for [104-bis-e][126] FS\_SimBC