**3GPP T****SG RAN WG5 #92-e R5-215803\_draft1**

**Electronic meeting, 16 – 27 Aug, 2021**

**Title:** Response LS to RAN4 on LTE REFSENS Exceptions Simplification

**Response to:**

**Release:** Rel-17

**Work Item:** LTE\_CA\_R17\_2BDL\_1BUL

LTE\_CA\_R17\_3BDL\_1BUL

LTE\_CA\_R17\_xBDL\_1BUL

LTE\_CA\_R17\_2BDL\_2BUL

LTE\_CA\_R17\_xBDL\_2BUL

**Source:** RAN5

**To:** RAN4

**Cc:**

**Contact Person:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments**: N/A

**1. Overall Description:**

RAN5 would like to thank RAN4 for the LS in [1] informing to adopt new MSD test point scheme for new REL-17 LTE CA combinations.

RAN5 support LTE REFSENS exceptions simplification and studied options if simplification should be limited only to new Rel-17 CA configurations (Option 1) or if the simplification can be also applied to CA configurations in earlier releases (Option 2). In general, when earlier releases CA configurations are added by RAN5, the requirements of corresponding releases are followed. If the simplification is applied only to Rel-17 CA configurations it might cause misalignment if RAN5 simply follow R17 core specification without release independent information clearly provided by RAN4.

RAN5 prefers Option2, with a change to have RAN4 removing legacy test points only in Rel-17 core spec and keep earlier Releases core specs as is. RAN5 propose following modified Option 2a

**Option 2a:**

* **For new Rel-17 band combinations:**
* **For TPs for TR: According to the agreed WF, do not specify higher order REFSENS test points if already covered by a fall-back combination,**
* **For 36.101: Remove REFSENS test points if already covered by fall-back combination via small CR,**
* **For 36.101: Clarify that simplified REFSENS requirements in Rel-17 specifications could be release independently supported by earlier UEs. This could be clarified as a NOTE in Rel-17 TS 36.101.**
* **For legacy combinations:**
  + **Keep only the lowest order fall-back test points and remove all redundant REFSENS test points in TS 36.101 Rel-17,**
  + **Do not bring any change to earlier Releases of TS 36.101.**

**2. Actions:**

**To RAN4:**

**ACTION:** RAN5 respectfully asks RAN4 to consider proposed Option 2a and provide feedback on the decision

**3. Date of Next TSG WG RAN5 Meetings:**

TSG-RAN5 Meeting#93-e 8 – 19 Nov 2021 Online

TSG-RAN5 Meeting#94-e 21 Feb – 4 Mar 2022 Online

**4. References**

[1] R4-2109739, LS to RAN5 on LTE REFSENS Exceptions Simplification, WG4 Meeting #99-e