**3GPP TSG-RAN WG2 Meeting #121 R2-23xxxxx**

**Athens, Greece, 27th of Feb – 3rd of Mar 2023**

**Title: [DRAFT]** Response LS on extending the maximum range for NS values

**Response to:** R2-2300047

**Release:** Release 18

**Work Item:** NR\_unlic\_enh

**Source:** Apple [TSG RAN WG2]

**To:** TSG RAN WG4

**Cc:** -

**Contact Person:**

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

**Attachments:** -

**1. Overall Description:**

RAN2 would like to thank RAN4 for their response LS on extending the maximum range for NS values. RAN2 has the following conclusions based on the discussion on this topic.

* RAN2 prefers that the extension of the NS value range can be done from Rel-17, with the option that Rel-16 UEs/NWs can implement the Rel-17 CR
* The value range of the extension can be from 8 to 39 (with ‘7’ as reserved value to indicate the extension)
* The existing *modifiedMPR-Behavior* capability (which is reported per band) can be re-used for UE capability in supporting the extended range of NS values.

RAN2 has attached a draft version CRs that reflect the above.

RAN2 would like to check with RAN4 if they are ok with the above RAN2 directions and especially on the aspect of not defining a new UE capability, but reusing the 8-bit *modifiedMPR-Behavior* capability

**2. Actions:**

**To RAN WG4 group.**

**ACTION:** RAN2 respectfully asks RAN4 if they are ok with the above RAN2 directions, and on the aspect of reusing the 8-bit *modifiedMPR-Behavior* capability for the support of the extended range of NS values

**3. Date of Next TSG-RAN WG2 Meeting:**

3GPP RAN2#121bis from 2023-04-17 to 2023-04-26 Electronic Meeting