3GPP TSG RAN WG2 Meeting #119-e Draft R2-xxxx

**Electronic meeting, 17- 29 Aug, 2022**

**Agenda item:** 6.11.1

**Source:** Intel Corporation

**Title:** Report of [Post119-e][414][POS] LPP capability CR (Intel)

**Document for:**  Discussion and decision

# Introduction

This is the report of following email discussion:

* [Post119-e][414][POS] LPP capability CR (Intel)

 Scope: Check and finalise the CR in R2-2208802

 Intended outcome: Agreed CR

 Deadline: Short (for RP)

# Annex: companies’ point of contact

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| --- | --- | --- |
| **Company** | **Point of contact** | **Email address** |
| Intel Corporation | Yi Guo | Yi.guo@intel.com |
| Nokia | Mani Thyagarajan | mani.thyagarajan@nokia.com |
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# Discussion

The CR R2-2208802 has been updated:

**1 capture offline comments**

* “there are some -r16/-r17 and/or non-Italic items left in NR-UL-SRS-Capability, NR-Multi-RTT-MeasurementCapability.”

**2 Added/updated capability based on RAN1 feature list in R2-2209117/R1-2207923**

* a ppw-maxNumOfDL-BandwidthFR1-r17 ENUMERATED {mhz5, mhz10, mhz20, mhz40, mhz50, mhz80, mhz100},

 ppw-maxNumOfDL-BandwidthFR2-r17 ENUMERATED {mhz50, mhz100, mhz200, mhz400}

* b clarify spatialRelationsSRS-PosRRC-Inactive is only applicable for FR2 as
* c Indicates whether the UE supports spatial relations for SRS for positioning in RRC\_INACTIVE state on FR2.

**3 Updated capability supportedDL-PRS-ProcessingSamples-RRC-Inactive-r17 based on RAN4 LS R4-2214489;**

* a dummify original supportedDL-PRS-ProcessingSamples-RRC-Inactive-r17 and add new supportedDL-PRS-ProcessingSamples-RRC-Inactive-r17 as per band

**Discussion point 3.1: Do you have any comments on the updated CR ?**

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| **Company’s name** | **Yes or No?** | **Comments, if any** |
| Qualcomm |  | *NR-DL-PRS-ProcessingCapability-r16:*I think there should be a field description for the *dummy* field:***dummy***This field is not used in the specification. If received it shall be ignored by the receiver.The new *supportedDL-PRS-ProcessingSamples-RRC-Inactive-r17* field description:Please move this after the description of *lowerRxBeamSweepingThan8-FR2* (i.e., to the last row of the table).*NR-DL-PRS-ProcessingCapability* field descriptions:*prs-ProcessingWindowType2*: *prs-ProcessingCapabilityBandList-r16*: -r16 should be removed*NR-UE-TEG-Capability* field descriptions:*nr-UE-TxTEG-ID-MaxSupport*: s*upportedSRS-PosResources-r16:*-r16 should be removed |
| Huawei, HiSilicon |  |  supportedDL-PRS-ProcessingSamples-r17 ENUMERATED { supported } OPTIONAL,It is better to add “rrc-connected” to the field name for RRC\_CONNECTED to differentiate it from supportedDL-PRS-ProcessingSamples-RRC-Inactive-r17 |
| Nokia |  | There are formatting issues in the CR. Use the style pane in draft mode and you will many ASN.1 text are in normal style and a NOTE is also in normal style. Also, good to view in No Markup mode and delete some white spaces e.g., dummy field and ENUMERATED field type can be put on the same line.Date on CR cover needs update.6.5.11.6 is missing in Clauses affected. Also, list sections in Clauses affected in sorted order |
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# Summary report and proposals

**For agreement:**

**Online discussion:**

# Reference

1. R2-2207385 Corrections on LPP capabilies Intel Corporation
2. R2-2208492 Change request about UE capability for PRS measurement within a PPW vivo
3. R2-2208792 (Summary of AI 6.11.2.1) Qualcomm
4. R2-2209117/R1-2207923 RAN1 feature lists
5. R4-2214489 Reply LS on DL-PRS measurements with reduced samples capability