**3GPP TSG-RAN WG1 #104-e R1-210xxxx**

**e-Meeting, January 25th – February 5th, 2020**

**Agenda item:** 5

**Source:** 3GPP TSG RAN1 Chairman

**Title:** RAN1#104-e preparation phase on LSs

**Document for:** Discussion/Decision

# Introduction

In this document, we will summarize contributions submitted to Agenda Item 5 of RAN1#104-e, and identify a set of critical LSs (if any) that need to be addressed in the subsequent email discussion/approval phase .

# Summary

The list of contributions can be found in the References section. Herein we organize the LSs based on the respective topics. Note that the goal is to identify the LS **critical** to address during this e-Meeting.

## Incoming LSs “To RAN1”

### LTE

None

### NR

#### R1-2100022 LS on the use of simultaneous CSI-RS resources and ports RAN2, Ericsson

Related contributions:

* [R1-2100403](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100403.zip) Draft reply LS on use of simultaneous CSI-RS resources and ports CATT
* [R1-2101170](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101170.zip) Draft reply LS on the use of simultaneous CSI-RS resources and ports Samsung
* [R1-2101303](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101303.zip) Draft Reply LS on the use of simultaneous CSI-RS resources and ports Ericsson
* [R1-2101742](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101742.zip) Discussion on use of simultaneous CSI-RS resources and ports Huawei, HiSilicon

Initial assessment:

* Noted. A reply LS may be necessary – email discussion/approval till 1/28

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100005 LS on Rel-16 NR Positioning Correction RAN3, Huawei

Related contributions:

* [R1-2100312](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100312.zip) Discussion on RAN3 LS on Rel-16 NR Positioning Correction CATT
* [R1-2100313](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100313.zip) Draft Reply LS on Rel-16 NR Positioning Correction CATT
* [R1-2101153](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101153.zip) Draft reply LS on Rel-16 NR Positioning Correction vivo
* [R1-2101250](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101250.zip) Discussion on SRS carrier information Huawei, HiSilicon
* [R1-2101251](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101251.zip) Reply LS on Rel-16 NR Positioning Correction Huawei, HiSilicon

Initial assessment:

* Noted. A reply LS may be necessary – email discussion/approval till 1/28, to be handled under 7.2.8

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100008 LS on measuring CSI-RS during SCell activation. RAN4, Ericsson

Related contributions:

* [R1-2100888](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2100888.zip) Discussion on RAN4 LS on measuring CSI-RS during SCell activation LG Electronics
* [R1-2101164](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101164.zip) Discussion on measuring CSI-RS during Scell activation Samsung
* [R1-2101156](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2101156.zip) Draft reply LS on measuring CSI-RS during SCell activation vivo
* [R1-2101287](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101287.zip) Discussion on RAN4 LS on measuring CSI-RS during SCell activation Nokia, Nokia Shanghai Bell
* [R1-2101335](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101335.zip) Discussion on measuring CSI-RS during SCell activation Apple
* [R1-2101336](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101336.zip) [Draft] LS reply on measuring CSI-RS during SCell activation Apple
* [R1-2101747](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101747.zip) Discussion on measuring CSI-RS during SCell activation Huawei, HiSilicon

Initial assessment:

* Noted; a reply LS is necessary – target 1/29 for email approval. To be handled under 7.2.2

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100009 LS on SL switching priority RAN4, Xiaomi

Related contributions:

* [R1-2100139](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2100139.zip) Draft reply LS on SL switching priority OPPO
* [R1-2100316](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100316.zip) Draft Reply LS on SL switching priority CATT, GOHIGH
* [R1-2100935](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100935.zip) [Draft] Reply LS on SL switching priority ZTE, Sanechips
* [R1-2101090](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101090.zip) [Draft] Reply LS on SL switching priority Xiaomi
* [R1-2101148](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101148.zip) Draft relay LS on SL switching priority vivo
* [R1-2101149](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101149.zip) Discussion on switching between LTE SL and NR SL vivo
* [R1-2101169](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101169.zip) Draft reply LS on SL switching priority Samsung
* [R1-2101427](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101427.zip) Reply to RAN4 LS on SL Switching Priority Qualcomm Incorporated
* [R1-2101706](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101706.zip) [Draft] LS on SL switching priority Ericsson
* [R1-2101735](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101735.zip) Discussion on RAN4 LS on SL switching priority Huawei, HiSilicon

Initial assessment:

* Noted; a reply LS is necessary – target 1/29 for email approval. To be handled under 7.2.4

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100013 LS on TCI state indication at Direct SCell activation RAN4, MediaTek

Related contributions:

* [R1-2100502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100502.zip) On TCI state indication for Scells Nokia, Nokia Shanghai Bell
* [R1-2101147](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101147.zip) Draft relay LS on TCI state indication at Direct SCell activation vivo
* [R1-2101741](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101741.zip) Discussion on TCI state indication at Direct SCell activation Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS – target 1/29 for email discussion/approval. To be handled under 7.2.10

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100018 LS on multi-TRP description in Stage-2 RAN2, Nokia

Related contributions:

* [R1-2100125](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100125.zip) Discussion on LS on multi-TRP description in Stage-2 OPPO
* [R1-2101750](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101750.zip) On changes to multi-TRP description in Stage 2 Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS – target 1/27 for email discussion/approval. To be handled under 7.2.6

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |

#### R1-2100031 Reply LS on multi-CC simultaneous TCI activation with multi-TRP/panel transmission RAN2, Ericsson

Related contributions:

* None

Initial assessment:

* Noted; no subsequent email discussion

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100026 LS on overlapped data and SR are of equal L1 priority RAN2, Huawei

Related contributions:

* [R1-2100088](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100088.zip) [DRAFT] Reply LS on overlapped data and SR of equal L1 priority ZTE
* [R1-2100089](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100089.zip) Discussion on overlapped data and SR of equal L1 priority ZTE
* [R1-2100318](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100318.zip) Discussion on overlapped data and SR of equal L1 priority CATT
* [R1-2100727](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100727.zip) [Draft] Reply LS on overlapped data and SR are of equal L1 priority Nokia
* [R1-2101154](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101154.zip) Reply LS on overlapped data and SR with equal L1 priority vivo
* [R1-2101166](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101166.zip) Draft reply LS on overlapped data and SR are of equal L1 priority Samsung
* [R1-2101276](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101276.zip) Draft reply LS on overlapped data and SR with equal L1 priority for Rel-16 URLLC Huawei, HiSilicon
* [R1-2101277](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101277.zip) Discussion on overlapped data and SR with equal L1 priority for Rel-16 URLLC Huawei, HiSilicon
* [R1-2101502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101502.zip) Discussion of Response LS on Overlapped Data and SR of Equal L1 Priority Ericsson Inc.
* [R1-2101528](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101528.zip) Discussion on LS on overlapping data and SR with same L1 priority Intel Corporation

Initial assessment:

* Noted; a reply LS is necessary – email approval till 1/29, to be handled under 7.2.5.

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100003 LS on Rel-16 updated RAN4 UE features lists for LTE and NR RAN4, CMCC

Related contributions:

* [R1-2100887](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100887.zip) Draft reply LS on Rel-16 updated RAN4 UE features lists for LTE and NR LG Electronics

Initial assessment:

* There are specific actions to RAN1
* Noted; a reply LS is necessary – to be handled under 7.2.11.

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. Need to set a due date for email approval. |
| Intel | Agree with Chair’s assessment |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100019 LS on capability for extended RAR window monitoring RAN2, Qualcomm

Related contributions:

* [R1-2100889](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100889.zip) Discussion on RAN2 LS on capability for extended RAR window monitoring LG Electronics

Initial assessment:

* Noted; discussion is necessary including a possible reply LS. To be handled under 7.2.11.

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| Intel | We don’t think it is necessary to be discussed. We just need to note RAN2 agreement and RAN2’s CR. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100023 LS on half-duplex operation RAN2, Nokia

Related contributions:

* [R1-2100085](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2100085.zip) [DRAFT] Reply LS on half-duplex operation ZTE
* [R1-2100319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100319.zip) Draft reply LS on half-duplex operation CATT
* [R1-2100504](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100504.zip) On half-duplex operation Nokia, Nokia Shanghai Bell
* [R1-2101158](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101158.zip) Discussion on Configuration for CA Half duplex operation vivo
* [R1-2101163](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101163.zip) Draft reply LS on half-duplex operation Samsung
* [R1-2101745](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101745.zip) Discussion on LS on half-duplex operation Huawei, HiSilicon

Initial assessment:

* Noted; a reply LS may be necessary – email discussion/approval till 1/28

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| ETRI | We think a reply LS is necessary.  It seems that R1-2101163 (Samsung) could be a starting point, since it provides a simple answer based on the current RAN1 specification.  RAN1 CR(s) due to the updated parameter could be handled separately, if needed. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100004 LS on inter-donor topology redundancy RAN3, Samsung

Related contributions:

* [R1-2100961](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100961.zip) About reply LS on inter-donor topology redundancy in IAB ZTE, Sanechips
* [R1-2101167](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101167.zip) Draft reply LS on inter-donor topology redundancy Samsung
* [R1-2101155](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101155.zip) Draft reply LS on on inter-donor topology redundancy vivo
* [R1-2101749](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101749.zip) Discussion on inter-donor topology redundancy Huawei, HiSilicon
* [R1-2101697](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101697.zip) Response to RAN3 LS on inter-donor topology redundancy Ericsson

Initial assessment:

* Noted; a reply LS may be necessary – email discussion/approval till 2/1. To be managed under 8.10

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| **Company** | **Views** |
| Samsung | RAN1 response is necessary. |
| ETRI | We think a reply LS is necessary.  We prefer the reply (R1-2101749, Huawei) with the following modifications:  *When one IAB node is simultaneously connected to two parent nodes belonging to two different donors, the following cases are feasible from RAN1 point of view:*   * *Inter-carrier, inter-band DC ~~wherein no resource coordination is required~~ without any RAN1 specification impact.* * *Inter-carrier, intra-band DC at least in FR2 without any RAN1 specification impact, if two parent nodes have aligned TDD UL/DL configurations*    + *Inter-carrier, intra-band DC in FR1 can be further discussed in RAN1* |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100007 LS on Phase noise and other RF Impairment modelling RAN4, Ericsson

Related contributions:

* None

Initial assessment:

* Noted; no subsequent email discussion.

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100014 AN-PDB and PER targets for satellite access SA2, Qualcomm

Related contributions:

* [R1-2101719](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101719.zip) Discussion on LS on AN-PDB and PER targets for satellite access Intel Corporation
* [R1-2101748](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101748.zip) Discussion on the AN-PDB and PER targets for satellite access Huawei, HiSilicon

Initial assessment:

* Noted. A reply LS is necessary – target 2/1 for email approval. To be handled under 8.4.

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |

#### R1-2100020 LS on Paging Enhancement RAN2, MediaTek

Related contributions:

* [R1-2101152](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2101152.zip) Discussion on Paging enhancement vivo
* [R1-2101645](C:\\Users\\wanshic\\OneDrive - Qualcomm\\Documents\\Standards\\3GPP Standards\\Meeting Documents\\TSGR1_104\\Docs\\R1-2101645.zip) Discussion on the feasibility and limitations of paging subgrouping ZTE , Sanechips
* [R1-2101667](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101667.zip) [Draft] Reply LS on Paging Enhancement Nokia, Nokia Shanghai Bell
* [R1-2101746](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101746.zip) Discussion on LS on paging enhancement Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS. To be handled under 8.7

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100021 LS to RAN1 on SL DRX design RAN2, ZTE

Related contributions:

* [R1-2100311](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100311.zip) Discussion on LS from RAN2 on SL DRX design CATT, GOHIGH
* [R1-2100513](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100513.zip) Draft reply LS on SL DRX design LG Electronics
* [R1-2100923](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100923.zip) [draft]Reply LS to RAN2 on sidelink DRX ZTE, Sanechips
* [R1-2101151](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101151.zip) Draft relay LS on SL DRX design vivo
* [R1-2101429](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101429.zip) Reply to RAN2 LS on SL DRX design Qualcomm Incorporated
* [R1-2101705](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101705.zip) [Draft] LS on SL DRX design Ericsson
* [R1-2101736](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101736.zip) Discussion on RAN2 LS on DRX impact Huawei, HiSilicon

Initial assessment:

* Noted; discussion is necessary including a possible reply LS. To be handled under 8.11

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100024 Reply LS on propagation delay compensation enhancements RAN2, Nokia

Related contributions:

* None

Initial assessment:

* Noted; no subsequent email discussion.

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| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100025 LS on physical layer aspects of small data transmission RAN2, ZTE

Related contributions:

* [R1-2100080](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100080.zip) Discussion on the physical layer aspects of small data transmission ZTE, Sanechips
* [R1-2100317](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100317.zip) Discussion on physical layer aspects of small data transmission CATT
* [R1-2100501](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100501.zip) On physical layer aspects of small data transmission Nokia, Nokia Shanghai Bell
* [R1-2100627](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100627.zip) Discussion on LS on small data transmission Intel Corporation
* [R1-2100910](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100910.zip) Discussion on physical layer aspects of small data transmission LG Electronics
* [R1-2101159](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101159.zip) Discussion on RAN1 impacts for small data transmisison vivo
* [R1-2101165](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101165.zip) Discussion on physical layer aspects of small data transmission Samsung
* [R1-2101267](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101267.zip) RA and CG based small data transmission Huawei, HiSilicon
* [R1-2101338](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101338.zip) Discussion on physical layer aspects of small data transmission Apple
* [R1-2101405](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101405.zip) Physical layer aspects of small data transmission InterDigital, Inc.
* [R1-2101430](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101430.zip) Reply to RAN2 LS on SDT resource configuration Qualcomm Incorporated
* [R1-2101518](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101518.zip) [DRAFT] LS reply on physical layer aspects of small data transmission Ericsson

Initial assessment:

* Noted; replay LS is necessary – email discussion/approval till 2/3

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | We support to start an email discussion for this topic suggest we start technical discussion first on the related issues and if things can be converged we draft an LS, otherwise we can defer the LS reply to next meeting. |

#### R1-2101765 LS on XR-Traffic Models SA4, Qualcomm

Related contributions:

* None

Initial assessment:

* Noted; no separate email thread is necessary. Discussion including a possible reply LS is to done under 8.14

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100015 LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) SA2, Tencent

Related contributions:

* [R1-2101157](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101157.zip) Draft reply LS on New Standardized 5QIs for 5G-AIS vivo
* [R1-2101319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101319.zip) Draft LS response on New Standardized 5QIs for AIS Ericsson
* [R1-2101337](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101337.zip) Draft reply LS on newly proposed 5QIs for 5G-AIS Apple
* [R1-2101410](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101410.zip) Discussion on new standardized 5QIs for 5G-AIS from SA2 OPPO, Tencent, China Mobile, China Telecom, China Unicom
* [R1-2101411](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101411.zip) [Draft] Reply LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) OPPO
* [R1-2101753](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101753.zip) Discussion on LS on new standardized 5QIs for 5G-AIS Huawei, HiSilicon

Initial assessment:

* Noted; discussion may be necessary including a possible reply LS – target 1/29 for email discussion/approval.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

#### R1-2100016 LS on Use of Inclusive Language in 3GPP SA, Intel

Related contributions:

* None

Initial assessment:

* Noted. Any potential RAN1 specification impact is to be handled separately in the future.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

## Incoming LSs “CC: RAN1”

**All the following LSs are noted – no actions from RAN1 unless explicitly requested.**

* [R1-2100006](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100006.zip) Reply LS on LS on signalling of satellite backhaul connection RAN3, Huawei
* [R1-2100010](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100010.zip) LS response on cell-grouping UE capability for synchronous NR-DC RAN4, Apple
* [R1-2100011](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100011.zip) LS on DC location reporting for intra-band UL CA RAN4, Nokia
* [R1-2100012](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100012.zip) LS on removing restriction on configuring UL MIMO for SUL band RAN4, CMCC
* [R1-2100017](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100017.zip) LS on Physical layer assisted lightweight AKA (PL-AKA) protocol for the Internet of things SA3, Ericsson
* [R1-2100027](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100027.zip) Reply LS on power control for NR-DC RAN2, vivo
* [R1-2100028](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100028.zip) Reply LS on Direct Discovery and Relay RAN2, OPPO
* [R1-2100029](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100029.zip) Reply LS on defined values for V field in the Release 14 specification of MAC header RAN2, Huawei
* [R1-2100030](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100030.zip) Reply LS on Full slot formats support in TDD UL-DL configuration RAN2, Qualcomm
* [R1-2100032](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100032.zip) IEEE 1609 WG Liaison Message to 3GPP regarding defined values for V field in the Release 14 specification of MAC header IEEE Vehicular Technology/Intelligent Transportation System 1609 WG

## Others

### Related to R1-2009644 LS on per-table MCS range for mode-2 RAN2, OPPO

Related contributions:

* [R1-2100138](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100138.zip) Draft reply LS on per-table MCS range for mode-2 OPPO
* [R1-2100315](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100315.zip) Draft Reply LS on per table MCS range for mode-2 CATT, GOHIGH
* [R1-2101150](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101150.zip) Draft relay LS on per-table MCS range for mode-2 vivo
* [R1-2101168](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101168.zip) Draft reply LS on per-table MCS range for mode-2 Samsung
* [R1-2101428](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101428.zip) Reply to RAN2 LS on per-table MCS range for mode-2 Qualcomm Incorporated
* [R1-2101704](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101704.zip) [Draft] LS on per-table MCS range for mode-2 Ericsson
* [R1-2101734](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101734.zip) Discussion on RAN2 LS on per-table MCS range for mode-2 Huawei, HiSilicon

Initial assessment:

* Noted. Reply LS is necessary; Email discussion/approval till 1/28, to be handled under 7.2.4

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

### Related to R1-2009508 LS on RAN1 agreement on pre-emption RAN2, LG Electronics

Related contributions:

* [R1-2100314](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100314.zip) Draft Reply LS on RAN1 agreement on pre-emption CATT, GOHIGH

Initial assessment:

* Noted. Reply LS is necessary; Email discussion/approval till 1/28, to be handled under 7.2.4

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | RAN1 already responded at RAN1#103e (R1-2009661). |
| vivo | No need to discuss. A RAN1 LS reply (R1-2009661) has already been sent to RAN2 in last meeting. |

### Related to R1-2007504, LS on additional DC location reporting for intra-band UL CA, RAN4 (Qualcomm)

Related contributions:

* [R1-2100503](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100503.zip) On DC location reporting Nokia, Nokia Shanghai Bell

Initial assessment:

* Noted. Similar to RAN1#103-e’s discussion, wait for more progress in RAN2. No subsequent email discussion

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | No RAN1 action is required. RAN#90e tasked RAN2 to complete the corresponding work (proposal 2ter in RP-202893). |
| vivo | Agree with Chairman’s initial assessment |

### Others

Related contributions:

* [R1-2101737](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101737.zip) Discussion on UE capability xDD differentiation for SUL/SDL bands Huawei, HiSilicon

Initial assessment:

* Noted. Details can be discussed under 7.2.11.

|  |  |
| --- | --- |
| **Company** | **Views** |
| Samsung | Agree with the initial assessment. |
| vivo | Agree with Chairman’s initial assessment |

# Conclusion

All incoming LSs are noted. The following are for the next phase of email discussion/approval:

* TBD

# References

[R1-2100003](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100003.zip) LS on Rel-16 updated RAN4 UE features lists for LTE and NR RAN4, CMCC

[R1-2100004](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100004.zip) LS on inter-donor topology redundancy RAN3, Samsung

[R1-2100005](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100005.zip) LS on Rel-16 NR Positioning Correction RAN3, Huawei

[R1-2100006](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100006.zip) Reply LS on LS on signalling of satellite backhaul connection RAN3, Huawei

[R1-2100007](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100007.zip) LS on Phase noise and other RF Impairment modelling RAN4, Ericsson

[R1-2100008](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100008.zip) LS on measuring CSI-RS during SCell activation. RAN4, Ericsson

[R1-2100009](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100009.zip) LS on SL switching priority RAN4, Xiaomi

[R1-2100010](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100010.zip) LS response on cell-grouping UE capability for synchronous NR-DC RAN4, Apple

[R1-2100011](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100011.zip) LS on DC location reporting for intra-band UL CA RAN4, Nokia

[R1-2100012](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100012.zip) LS on removing restriction on configuring UL MIMO for SUL band RAN4, CMCC

[R1-2100013](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100013.zip) LS on TCI state indication at Direct SCell activation RAN4, MediaTek

[R1-2100014](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100014.zip) AN-PDB and PER targets for satellite access SA2, Qualcomm

[R1-2100015](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100015.zip) LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) SA2, Tencent

[R1-2100016](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100016.zip) LS on Use of Inclusive Language in 3GPP SA, Intel

[R1-2100017](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100017.zip) LS on Physical layer assisted lightweight AKA (PL-AKA) protocol for the Internet of things SA3, Ericsson

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[R1-2100020](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100020.zip) LS on Paging Enhancement RAN2, MediaTek

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[R1-2100022](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100022.zip) LS on the use of simultaneous CSI-RS resources and ports RAN2, Ericsson

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[R1-2100024](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100024.zip) Reply LS on propagation delay compensation enhancements RAN2, Nokia

[R1-2100025](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100025.zip) LS on physical layer aspects of small data transmission RAN2, ZTE

[R1-2100026](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100026.zip) LS on overlapped data and SR are of equal L1 priority RAN2, Huawei

[R1-2100027](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100027.zip) Reply LS on power control for NR-DC RAN2, vivo

[R1-2100028](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100028.zip) Reply LS on Direct Discovery and Relay RAN2, OPPO

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[R1-2100031](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100031.zip) Reply LS on multi-CC simultaneous TCI activation with multi-TRP/panel transmission RAN2, Ericsson

[R1-2100032](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100032.zip) IEEE 1609 WG Liaison Message to 3GPP regarding defined values for V field in the Release 14 specification of MAC header IEEE Vehicular Technology/Intelligent Transportation System 1609 WG

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[R1-2100311](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100311.zip) Discussion on LS from RAN2 on SL DRX design CATT, GOHIGH

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[R1-2100317](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100317.zip) Discussion on physical layer aspects of small data transmission CATT

[R1-2100318](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100318.zip) Discussion on overlapped data and SR of equal L1 priority CATT

[R1-2100319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100319.zip) Draft reply LS on half-duplex operation CATT

[R1-2100403](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100403.zip) Draft reply LS on use of simultaneous CSI-RS resources and ports CATT

[R1-2100501](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100501.zip) On physical layer aspects of small data transmission Nokia, Nokia Shanghai Bell

[R1-2100502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100502.zip) On TCI state indication for Scells Nokia, Nokia Shanghai Bell

[R1-2100503](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100503.zip) On DC location reporting Nokia, Nokia Shanghai Bell

[R1-2100504](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100504.zip) On half-duplex operation Nokia, Nokia Shanghai Bell

[R1-2100513](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100513.zip) Draft reply LS on SL DRX design LG Electronics

[R1-2100627](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100627.zip) Discussion on LS on small data transmission Intel Corporation

[R1-2100727](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100727.zip) [Draft] Reply LS on overlapped data and SR are of equal L1 priority Nokia

[R1-2100887](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100887.zip) Draft reply LS on Rel-16 updated RAN4 UE features lists for LTE and NR LG Electronics

[R1-2100888](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100888.zip) Discussion on RAN4 LS on measuring CSI-RS during SCell activation LG Electronics

[R1-2100889](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100889.zip) Discussion on RAN2 LS on capability for extended RAR window monitoring LG Electronics

[R1-2100910](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100910.zip) Discussion on physical layer aspects of small data transmission LG Electronics

[R1-2100923](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100923.zip) [draft]Reply LS to RAN2 on sidelink DRX ZTE, Sanechips

[R1-2100935](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100935.zip) [Draft] Reply LS on SL switching priority ZTE, Sanechips

[R1-2100961](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2100961.zip) About reply LS on inter-donor topology redundancy in IAB ZTE, Sanechips

[R1-2101090](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101090.zip) [Draft] Reply LS on SL switching priority Xiaomi

[R1-2101147](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101147.zip) Draft relay LS on TCI state indication at Direct SCell activation vivo

[R1-2101148](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101148.zip) Draft relay LS on SL switching priority vivo

[R1-2101149](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101149.zip) Discussion on switching between LTE SL and NR SL vivo

[R1-2101150](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101150.zip) Draft relay LS on per-table MCS range for mode-2 vivo

[R1-2101151](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101151.zip) Draft relay LS on SL DRX design vivo

[R1-2101152](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101152.zip) Discussion on Paging enhancement vivo

[R1-2101153](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101153.zip) Draft reply LS on Rel-16 NR Positioning Correction vivo

[R1-2101154](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101154.zip) Reply LS on overlapped data and SR with equal L1 priority vivo

[R1-2101155](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101155.zip) Draft reply LS on on inter-donor topology redundancy vivo

[R1-2101156](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101156.zip) Draft reply LS on measuring CSI-RS during SCell activation vivo

[R1-2101157](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101157.zip) Draft reply LS on New Standardized 5QIs for 5G-AIS vivo

[R1-2101158](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101158.zip) Discussion on Configuration for CA Half duplex operation vivo

[R1-2101159](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101159.zip) Discussion on RAN1 impacts for small data transmisison vivo

[R1-2101163](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101163.zip) Draft reply LS on half-duplex operation Samsung

[R1-2101164](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101164.zip) Discussion on measuring CSI-RS during Scell activation Samsung

[R1-2101165](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101165.zip) Discussion on physical layer aspects of small data transmission Samsung

[R1-2101166](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101166.zip) Draft reply LS on overlapped data and SR are of equal L1 priority Samsung

[R1-2101167](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101167.zip) Draft reply LS on inter-donor topology redundancy Samsung

[R1-2101168](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101168.zip) Draft reply LS on per-table MCS range for mode-2 Samsung

[R1-2101169](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101169.zip) Draft reply LS on SL switching priority Samsung

[R1-2101170](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101170.zip) Draft reply LS on the use of simultaneous CSI-RS resources and ports Samsung

[R1-2101250](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101250.zip) Discussion on SRS carrier information Huawei, HiSilicon

[R1-2101251](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101251.zip) Reply LS on Rel-16 NR Positioning Correction Huawei, HiSilicon

[R1-2101267](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101267.zip) RA and CG based small data transmission Huawei, HiSilicon

[R1-2101276](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101276.zip) Draft reply LS on overlapped data and SR with equal L1 priority for Rel-16 URLLC Huawei, HiSilicon

[R1-2101277](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101277.zip) Discussion on overlapped data and SR with equal L1 priority for Rel-16 URLLC Huawei, HiSilicon

[R1-2101287](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101287.zip) Discussion on RAN4 LS on measuring CSI-RS during SCell activation Nokia, Nokia Shanghai Bell

[R1-2101303](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101303.zip) Draft Reply LS on the use of simultaneous CSI-RS resources and ports Ericsson

[R1-2101319](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101319.zip) Draft LS response on New Standardized 5QIs for AIS Ericsson

[R1-2101335](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101335.zip) Discussion on measuring CSI-RS during SCell activation Apple

[R1-2101336](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101336.zip) [Draft] LS reply on measuring CSI-RS during SCell activation Apple

[R1-2101337](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101337.zip) Draft reply LS on newly proposed 5QIs for 5G-AIS Apple

[R1-2101338](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101338.zip) Discussion on physical layer aspects of small data transmission Apple

[R1-2101405](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101405.zip) Physical layer aspects of small data transmission InterDigital, Inc.

[R1-2101410](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101410.zip) Discussion on new standardized 5QIs for 5G-AIS from SA2 OPPO, Tencent, China Mobile, China Telecom, China Unicom

[R1-2101411](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101411.zip) [Draft] Reply LS on New Standardized 5QIs for 5G-AIS (Advanced Interactive Services) OPPO

[R1-2101427](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101427.zip) Reply to RAN4 LS on SL Switching Priority Qualcomm Incorporated

[R1-2101428](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101428.zip) Reply to RAN2 LS on per-table MCS range for mode-2 Qualcomm Incorporated

[R1-2101429](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101429.zip) Reply to RAN2 LS on SL DRX design Qualcomm Incorporated

[R1-2101430](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101430.zip) Reply to RAN2 LS on SDT resource configuration Qualcomm Incorporated

[R1-2101502](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101502.zip) Discussion of Response LS on Overlapped Data and SR of Equal L1 Priority Ericsson Inc.

[R1-2101518](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101518.zip) [DRAFT] LS reply on physical layer aspects of small data transmission Ericsson

[R1-2101528](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101528.zip) Discussion on LS on overlapping data and SR with same L1 priority Intel Corporation

[R1-2101645](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101645.zip) Discussion on the feasibility and limitations of paging subgrouping ZTE , Sanechips

[R1-2101667](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101667.zip) [Draft] Reply LS on Paging Enhancement Nokia, Nokia Shanghai Bell

[R1-2101704](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101704.zip) [Draft] LS on per-table MCS range for mode-2 Ericsson

[R1-2101705](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101705.zip) [Draft] LS on SL DRX design Ericsson

[R1-2101706](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101706.zip) [Draft] LS on SL switching priority Ericsson

[R1-2101719](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101719.zip) Discussion on LS on AN-PDB and PER targets for satellite access Intel Corporation

[R1-2101734](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101734.zip) Discussion on RAN2 LS on per-table MCS range for mode-2 Huawei, HiSilicon

[R1-2101735](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101735.zip) Discussion on RAN4 LS on SL switching priority Huawei, HiSilicon

[R1-2101736](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101736.zip) Discussion on RAN2 LS on DRX impact Huawei, HiSilicon

[R1-2101737](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101737.zip) Discussion on UE capability xDD differentiation for SUL/SDL bands Huawei, HiSilicon

[R1-2101741](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101741.zip) Discussion on TCI state indication at Direct SCell activation Huawei, HiSilicon

[R1-2101742](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101742.zip) Discussion on use of simultaneous CSI-RS resources and ports Huawei, HiSilicon

[R1-2101745](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101745.zip) Discussion on LS on half-duplex operation Huawei, HiSilicon

[R1-2101746](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101746.zip) Discussion on LS on paging enhancement Huawei, HiSilicon

[R1-2101747](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101747.zip) Discussion on measuring CSI-RS during SCell activation Huawei, HiSilicon

[R1-2101748](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101748.zip) Discussion on the AN-PDB and PER targets for satellite access Huawei, HiSilicon

[R1-2101749](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101749.zip) Discussion on inter-donor topology redundancy Huawei, HiSilicon

[R1-2101750](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101750.zip) On changes to multi-TRP description in Stage 2 Huawei, HiSilicon

[R1-2101753](file:///C:\Users\wanshic\OneDrive%20-%20Qualcomm\Documents\Standards\3GPP%20Standards\Meeting%20Documents\TSGR1_104\Docs\R1-2101753.zip) Discussion on LS on new standardized 5QIs for 5G-AIS Huawei, HiSilicon

R1-2101765 LS on XR-Traffic Models SA4, Qualcomm