**3GPP TSG RAN WG1 #117 R1-240xxxx**

**Fukuoka, Japan, May 20th – 24th, 2024**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.214** | **CR** |  | **rev** | **-** | **Current version:** | **18.2.0** |  |
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| *For* [***HELP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:***  | Corrections for 8-port SRS (TDM or non-TDM, without mixture) |
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| ***Source to WG:*** | Moderator (Futurewei), Samsung, ZTE, Ericsson |
| ***Source to TSG:*** | RAN1 |
|  |  |
| ***Work item code:*** | NR\_MIMO\_evo\_DL\_UL-Core |  | ***Date:*** | 2024-05-20 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | In TS 38.331, the RRC parameter *nrofSRS-Ports-n8* is used to identify the port number for an 8-port SRS resource, and *nrofSRS-Ports* for an 1,2,4-port SRS resource. However, in a paragraph of 6.1.1.1 in TS 38.214, only the RRC parameter *nrofSRS-Ports* is used, which does not cover 8-port SRS resources. Also it needs to clarify if a mixture of TDMed and non-TDMed 8-port SRS resource is allowed. |
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| ***Summary of change:*** | Revise the wording to be applicable to SRS resources with 1, 2, 4, or 8 ports. Note that based on the change, a mixture of TDMed and non-TDMed 8-port SRS resource in a SRS resource set is not supported. |
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| ***Consequences if not approved:*** | The case of 8-port SRS resource is not covered in 6.1.1.1 of TS38.214. |
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| ***Clauses affected:*** | 6.1.1.1 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | This is the first version of the CR. |

#### 6.1.1.1 Codebook based UL transmission

<Unchanged parts are omitted>

Except when higher layer parameter *ul-FullPowerTransmission* is set to 'fullpowerMode2', when multiple SRS resources are configured by *SRS-ResourceSet* with *usage* set to 'codebook', the UE shall expect that a same higher layer parameter of *nrofSRS-Ports or nrofSRS-Ports-n8 is configured* in *SRS-Resource* in *SRS-ResourceSet*, and the higher layer parameter *nrofSRS-Ports or nrofSRS-Ports-n8* shall be configured with the same value for all these SRS resources.

<Unchanged parts are omitted>