**3GPP TSG RAN WG1 #118 R1-2407416**

**Maastricht, NL, August 19th – 23rd, 2024**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **38.214** | **CR** | **0608** | **rev** | **-** | **Current version:** | **18.3.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](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:*** | CR on RRC parameter correction for SRS power control | | | | | | | | | |
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| ***Source to WG:*** | Moderator (Google), Google, ZTE, Samsung | | | | | | | | | |
| ***Source to TSG:*** | R1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_FeMIMO-Core | | | | |  | ***Date:*** | | | 2024-08-19 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***Release:*** | | | 8 |
|  | *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 can be 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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | When unified TCI is configured, the SRS power control is based on the RRC parameter p0AlphaSetforSRS for the unified TCI state applied to the first SRS resource in an SRS resource set instead of the RRC parameter configured in an SRS resource set as defined in 38.213.  Then the RRC parameter for the following sentence defined in current spec could only be applicable for the case without unified TCI state configured, and when unified TCI state is configured, different RRC parameters should be applied.  “In the case that more than one SRS resource set configured with *resourceType* in *SRS-ResourceSet* set to 'aperiodic', the UE shall expect that the more than one set are configured with the same values of the higher layer parameters *alpha*, *p0*, *pathlossReferenceRS*, and *srs-PowerControlAdjustmentStates* in *SRS-ResourceSet*.” | | | | | | | | |
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| ***Summary of change:*** | | Correct the RRC parameter for the power control of SRS when unified TCI is configured. | | | | | | | | |
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| ***Consequences if not approved:*** | | RRC parameter inconsistency between 38.214 and 38.213/38.331. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.1.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
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| ***Other comments:*** | | **Isolated impact analysis:**  No impact as this is common understanding. | | | | | | | | |
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| ***This CR's revision history:*** | | This is the first version for this CR. | | | | | | | | |

#### 6.2.1.2 UE sounding procedure for DL CSI acquisition

<unrelated text omitted>

The UE shall expect to be configured with the same number of SRS ports for all SRS resources in the SRS resource set(s) with higher layer parameter *usage* set as 'antennaSwitching'.

In the case that more than one SRS resource set configured with *resourceType* in *SRS-ResourceSet* set to 'aperiodic', if a UE is provided *TCI-State* in *dl-OrJointTCI-StateList* or *TCI-UL-State,* the UE shall expect that the more than one set is associated with the same values of the higher layer parameters *p0AlphaSetforSRS* and *pathlossReferenceRS-Id* [6, TS 38.213]; otherwise, the UE shall expect that the more than one set is configured with the same values of the higher layer parameters *alpha*, *p0*, *pathlossReferenceRS*, and *srs-PowerControlAdjustmentStates* in *SRS-ResourceSet*.

<unrelated text omitted>