**3GPP TSG- RAN WG1 Meeting #110R1-22xxxxx**

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| *CR-Form-v12.2* |
| **DRAFT CHANGE REQUEST** |
|  |
|  | **38.214** | **CR** |  | **rev** | **-** | **Current version:** | **17.2.0** |  |
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| *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:***  | Correction on uplink suspension for CA-based SRS carrier switching |
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| ***Source to WG:*** | Moderator (China Telecom) |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | NR\_RF\_FR1\_enh-Core |  | ***Date:*** | 2022-08-23 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-17 |
|  | *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:*** | Clarify the UE behaviour of suspension when a UE is configured with both SRS carrier switching and UL Tx switching. |
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| ***Summary of change:*** | During SRS transmission on switching-to carrier,the carrier, which is configured with UL Tx switching with the switching-from carrier, should be suspended. |
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| ***Consequences if not approved:*** | During SRS transmission on switching-to carrier, whether the carrier which is configured with UL Tx switching with the switching-from carrier should be suspended is unclear. |
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| ***Clauses affected:*** | 6.2.1.3 |
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|  | **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 ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

< Unchanged parts are omitted >

#### 6.2.1.3 UE sounding procedure between component carriers

For a carrier of a serving cell *c1* with slot formats comprised of DL and UL symbols, not configured for PUSCH/PUCCH transmission, denote $c\_{2}$ as the corresponding carrier of a serving cell whose UL transmissions are temporarily suspended as signalled by higher layer parameter *srs-SwitchFromServCellIndex* and *srs-SwitchFromCarrier*. Define the set $S\left(c\_{2}\right)=\{c\_{2}, s\_{1}(c\_{2})…s\_{N-1}(c\_{2})\}$ as the set of carriers of serving cells that each carrier meets one of the following conditions:

- $s\_{i}(c\_{2})$ is in the same band and same TAG as$c\_{2}$;

- $s\_{i}(c\_{2})$ is a carrier of inter-band CA with $c\_{2}$ and $s\_{i}(c\_{2})$ is indicated through the capability signalling *ImpactedBands-SRS-CS-v17* to be affected by the SRS switch from $c\_{2}$ to $c\_{1}$;

where $1\leq i\leq N-1$.

A UE can be configured with SRS resource(s) on a carrier *c1* with slot formats comprised of DL and UL symbols and not configured for PUSCH/PUCCH transmission. For carrier *c1*, the UE is configured with higher layer parameter *srs-SwitchFromServCellIndex* and *srs-SwitchFromCarrier* the switching from carrier *c2* which is configured for PUSCH/PUCCH transmission. During SRS transmission on carrier *c1* (including any interruption due to uplink or downlink RF retuning time [11, TS 38.133] as defined by higher layer parameters *switchingTimeUL* and *switchingTimeDL* of *SRS-SwitchingTimeNR*), the UE temporarily suspends the uplink transmission on carriers in the set *S(c2)*.

< Unchanged parts are omitted >