**3GPP TSG-RAN4 Meeting #102-e *R4-2206511***

**Electronic Meeting, Feb 21** **– Mar 03, 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **38.133** | **CR** | **XXXX** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  |
| *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 |  | Core Network |  |

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| --- |
|  |
| ***Title:***  | CR on ... |
|  |  |
| ***Source to WG:*** | Apple |
| ***Source to TSG:*** | RAN4 |
|  |  |
| ***Work item code:*** | NR\_RF\_FR2\_req\_enh2 |  | ***Date:*** | 2022-01-07 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** |  |
|  |  |
| ***Summary of change:*** |  |
|  |  |
| ***Consequences if not approved:*** |  |
|  |  |
| ***Clauses affected:*** |  |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** | **X** |  |  Test specifications |   |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

Start of Change 1

#### **9.1.7 UL gap for Tx power management**

The UL gap pattern are listed in Table 9.1.7 if UE supports the UL gap for Tx power management. UE shall support at east one of gap configuration #1 and #3. UE could support gap configuration #0 and #2.

Table 9.1.7: UL Gap Pattern Configurations

|  |  |  |
| --- | --- | --- |
|   | UL Gap Length (UGL) [ms]  | UL gap repetition periodicity (UGRP) [ms]  |
| ULGP #0  | 1.0  | 20  |
| ULGP #1  | 1.0  | 40  |
| ULGP #2  | 0.5  | 160  |
| ULGP #3 | 0.125 when SCS of active UL BWP =120kHz0.25 when SCS of active UL BWP =60kHz | 5 |

Uplink gap consists of consecutive static UL slots, defined by *nrofUplinkSlots* in one or more *TDD-UL-DL-Pattern* duration. UGL is the aggregated length of UL slots used as UL gap, as shown in the figure 9.1.7 with a *TDD-UL-DL-Pattern* of “DDDSU”.



Fig. 9.1.7 UL gap with 1ms UGL over a *TDD-UL-DL-Pattern* of “DDDSU”.

During the UL gaps, the UE is not required to conduct transmission to the corresponding NR serving cells in FR2 single CC, intra-band CA, or based on UE capability whether UL transmission within a gap is feasible for inter-band FR2-FR2 CA/DC except the signals used for random access procedure according to TS 38.321.

End of Change 1