**3GPP TSG RAN WG1 #106-e R1-210xxxx**

**e-Meeting, August 16th – 27th, 2021**

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| **CHANGE REQUEST** |
|  |
|  | **38.211** | **CR** |  | **rev** |  | **Current version:** | **16.6.0** |  |
|  |
| *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:***  | Draft CR on DM-RS position |
|  |  |
| ***Source to WG:*** | Moderator (CATT) |
| ***Source to TSG:*** | RAN1 |
|  |  |
| ***Work item code:*** |  NR\_eMIMO-Core |  | ***Date:*** | 2021-08-19 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | Rel-16 |
|  | *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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | In Rel-16, some new values are introduced in the table 7.4.1.1.2-4 in TS 38.211. However, there are both placeholder and new value in some cells of the table, which would lead to misunderstanding on positions of DM-RS. Therefore, the placeholders should be removed. |
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| ***Summary of change:*** | Remove the placeholder in the table 7.4.1.1.2-4 in TS 38.211, where new values are introduced in Rel-16. |
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| ***Consequences if not approved:*** | There may be misunderstanding on position of DM-RS. |
|  |  |
| ***Clauses affected:*** | 7.4.1.1.2 |
|  |  |
|  | **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 ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

##### 7.4.1.1.2 Mapping to physical resources

### <unchanged part omitted>

Table 7.4.1.1.2-4: PDSCH DM-RS positions  for double-symbol DM-RS.

|  |  |
| --- | --- |
| $l\_{d}$ **in symbols** | **DM-RS positions**  |
| **PDSCH mapping type A** | **PDSCH mapping type B** |
| ***dmrs-AdditionalPosition*** | ***dmrs-AdditionalPosition*** |
| ***pos0*** | ***pos1*** | ***pos2*** | ***pos0*** | ***pos1*** | ***pos2*** |
| <4 |  |  |  | - | - |  |
| 4 |  |  |  | - | - |  |
| 5 |  |  |  | $l\_{0}$ | $l\_{0}$ |  |
| 6 |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |
| 8 |  |  |  | $l\_{0}$ | $l\_{0},5$ |  |
| 9 |  |  |  | $l\_{0}$ | $l\_{0},5$ |  |
| 10 |  | , 8 |  | $l\_{0}$ | $l\_{0},7$ |  |
| 11 |  | , 8 |  | $l\_{0}$ | $l\_{0},7$ |  |
| 12 |  | , 8 |  | $l\_{0}$ | $l\_{0},8$ |  |
| 13 |  | , 10 |  | $l\_{0}$ | $l\_{0},8$ |  |
| 14 |  | , 10 |  | - | - |  |

### <unchanged part omitted>