**3GPP TSG RAN WG1 Meeting #103-e R1-2009614**

**e-Meeting, October 26 – November 13, 2020**

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| *CR-Form-v12.0* |
| **DRAFT CHANGE REQUEST** |
|  |
|  | **36.213** | **CR** |  | **rev** | **-** | **Current version:** | **V16.3.0** |  |
|  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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 TPC command for multi-TB scheduling in LTE-MTC |
|  |  |
| ***Source to WG:*** | Moderator(Ericsson),ZTE,Ericsson,Qualcomn,Lenovo |
| ***Source to TSG:*** | R1 |
|  |  |
| ***Work item code:*** | LTE\_eMTC5 -Core |  | ***Date:*** | 2020-11-05 |
|  |  |  |  |  |
| ***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 5.1.1.1 of 36.213, current spec description about TPC command is used for single TB. It is not clear whether the same transmit power should be assumed for multiple TBs scheduled by one DCI. |
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| ***Summary of change:*** | Clarify that all the subframes in the PUSCH transmission, scheduled by one DCI, have the same transmit power. |
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| ***Consequences if not approved:*** | The transmit power for multi-TB unicast scheduling is not clear. |
|  |  |
| ***Clauses affected:*** | 5.1.1.1 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |   |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |   |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

5.1.1.1 UE behaviour

**<Unchanged parts are omitted>**

For a BL/CE UE configured with CEModeA, if the PUSCH transmission, scheduled by one DCI, is transmitted in more than one subframe *i0*, *i1*, …, *iN-1* where *i0*< *i1*< …< *iN-1*, the PUSCH transmit power in subframe *ik* , *k*=0, 1, …, *N*-1, is determined by



For a BL/CE UE configured with CEModeB, the PUSCH transmit power in subframe *ik* is determined by



**<Unchanged parts are omitted>**