**3GPP TSG-RAN WG2 Meeting #117-e *DRAFT* R2-2203634**

**Online, 21 Feb – 03 Mar, 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** | **1836** | **rev** | **1** | **Current version:** | **16.7.0** |  |
|  | | | | | | | | |
| *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:*** | UE capabilities for new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Inc. | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LTE\_terr\_bcast\_bands\_part1-Core | | | | |  | ***Date:*** | | | 2022-03-xx |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | RAN1 CRs for the WI were approved by RAN#94e in RP-212975.  RAN2 CR for RRC configuration was agreed in R2-2203633.  RAN1 sent LS to RAN2 in R2-22xx/R1-2202924 regarding UE capabilities for the feature.  This CR is to introduce the UE capabilities to the specification. | | | | | | | | |
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| ***Summary of change:*** | | Following changes are introduced:   1. Introduce UE capabilities to indicate the support of new PMCH bandwidths. | | | | | | | | |
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| ***Consequences if not approved:*** | | New bands and bandwidth allocation for LTE-based 5G terrestrial broadcast cannot be supported. RAN2 specification remains incomplete and misaligned with RAN1 specifications. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.17.xx (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 36.300 CR xx  TS 36.331 CR xx | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**First Change**

### 4.3.17 MBMS parameters

<<unchanged text skipped>>

#### 4.3.17.xx *pmch -Bandwidth-n40-r17, pmch-Bandwidth-n35-r17, pmch-Bandwidth-n30-r17*

This parameter defines for each supported E-UTRA band whether the UE in RRC\_CONNECTED supports MBMS reception with PMCH and corresponding MBSFN-RS bandwidth of 40/ 35/ 30 PRBs when operating on the E‑UTRA band given by the entry in *mbms-SupportedBandInfoList-v17xy* via MBSFN from MBMS-dedicated cells in an MBSFN area as described in TS 36.331 [5], TS 36.211 [17] and TS 36.213 [22].

**End of Changes**