**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 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)* |
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| ***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) |
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|  | **Y** | **N** |  |  |
| ***Other specs*** | **X** |  |  Other core specifications  | TS 36.300 CR xxTS 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**