**3GPP TSG RAN2 #117-e R2-22xx**

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

**Agenda Item:**  **9.3**

**Source: Qualcomm Inc. (rapporteur)**

**Title:** **Report on [AT117-e][204][LTE] CRs LTE-based 5G terrestrial broadcast (Qualcomm)**

**Document for: Discussion and decision**

### **1 Introduction**

This is the email discussion report of the following:

* [AT117-e][204][LTE] CRs LTE-based 5G terrestrial broadcast (Qualcomm)

 Scope: Review CRs for LTE-based 5G terrestrial broadcast. In case critical issues are found, those can be raised also online prior to the discussion deadline.

 Intended outcome: Agreeable CRs in [R2-2203633](file:///C%3A%5CUsers%5Cterhentt%5CDocuments%5CTdocs%5CRAN2%5CRAN2_117-e%5CR2-2203633.zip) (36.331) and [R2-2203634](file:///C%3A%5CUsers%5Cterhentt%5CDocuments%5CTdocs%5CRAN2%5CRAN2_117-e%5CR2-2203634.zip) (36.306) (to be submitted to RANP approval).

 Deadline: Deadline 4

**Deadline 4 (discussions for 2nd week Wed online):**

* **Comment deadline:** MondayW2, 1200 UTC (for collecting views)
* **Rapporteur proposals:** Tuesday W2, 1200 UTC (proposed resolution of issues)
* **Document deadline:** Tuesday W2, 1600 UTC (report or agreed CRs)

#### **1.1 Contact Information**

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| --- | --- | --- |
| **Company** | **Contact Name** | **Email** |
| Qualcomm | Umesh Phuyal | uphuyal@qti.qualcomm.com |
| Lenovo | Hyung-Nam Choi | hchoi5@lenovo.com |
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### **2 Discussion**

#### **2.1 Background**

RAN1 CRs for the WI were approved by RAN#94e in RP-212975. RAN1 concluded the RRC parameter in R1-2112975 and sent LS to RAN2 in R2-2200095. Further, RAN1 sent LS to RAN2 in R2-2200090/R1-2112900 regarding UE capabilities for the feature.

These CRs are to introduce the RRC parameter and UE capabilities to the RAN2 specifications.

#### **2.2 Discussion on CRs**

The CRs under discussion are

[R2-2202237](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_117-e/Docs/R2-2202237.zip) Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated CR Rel-17 36.331 16.7.0 4750 1 B LTE\_terr\_bcast\_bands\_part1-Core R2-2200209

[R2-2202238](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_117-e/Docs/R2-2202238.zip) Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated CR Rel-17 36.306 16.7.0 1836 - B LTE\_terr\_bcast\_bands\_part1-Core

**Table 1: Comments on RRC CR R2-2202237.**

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| --- | --- | --- |
| **Company** | **Support/No Support** | **Comments**  |
| Lenovo | Partly | MBSFN-AreaInfoList IE:* Is there a need to signal the value kHz15-r17 in subcarrierSpacingMBMS-r16? So far we understood the new BWs of 6/7/8 MHz are only applicable for 15kHz SCS.
* If there is no need to introduce 15 kHz SCS for MBMS then new MBSFN-AreaInfo-r17 IE can be defined reusing the fields of MBSFN-AreaInfo-r16 except of subcarrierSpacingMBMS-r16.

The capability signaling is still tbd in RAN1, so for the time being we prefer to leave out the capability part. |
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**Summary:**

**TBD**

**Table 2: Comments on 36.306 CR R2-2202238.**

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| --- | --- | --- |
| **Company** | **Support/No Support** | **Comments**  |
| Lenovo | No support | The capability signaling is still tbd in RAN1, so for the time being we prefer to leave out the capability part.  |
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**Summary:**

**TBD**

#### **2.3 Other**

**Table 3: Anything else that is not covered by above questions? Please explain.**

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| --- | --- |
| **Company** | **Comments** |
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### **3 Conclusion**

TBD

### **4 References**

[1] [R2-2202237](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_117-e/Docs/R2-2202237.zip) Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated CR Rel-17 36.331 16.7.0 4750 1 B LTE\_terr\_bcast\_bands\_part1-Core R2-2200209

[2] [R2-2202238](https://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_117-e/Docs/R2-2202238.zip) Introduction of new bands and bandwidth allocation for LTE-based 5G terrestrial broadcast Qualcomm Incorporated CR Rel-17 36.306 16.7.0 1836 - B LTE\_terr\_bcast\_bands\_part1-Core