3GPP TSG-RAN WG2 Meeting #110-e draft-R2-2005821

Online, June 1 – June 12 , 2020

**Agenda item: 4.2.1**

**Source: Qualcomm**

**Title: Report for [AT110-e][401][eMTC] R15 Relaxed serving cell measurement for UEs using WUS (Qualcomm)**

**Document for: Report**

# 1 Scope of the email discussion

This document contains the report for the following email discussion:

* [AT110-e][401][eMTC] R15 Relaxed serving cell measurement for UEs using WUS (Qualcomm)

Scope: Check if there is support and update based on the comments if the CRs are agreeable

Intended outcome: Report provided in R2-2005821 and, if agreeable, updated CR(s).

 Deadline: Friday, June 5th 10:00 UTC

# 2 Discussion

## Early implementation of Relaxed serving cell measurement

Relaxed serving cell measurement when using WUS is introduced from Release 16. This feature has no UE capability indication and is linked to support for WUS [1]. It was agreed in RAN2#109bis-e meeting that Release 15 UE supporting WUS is permitted to use the power saving feature provided network broadcasts *numDRX-CyclesRelaxed* and the UE meets the conditions specified for relaxed serving cell measurement by RAN4 in TS 36.133.

* Early implementation of relaxed serving cell measurement by Rel-15 UEs when configured with WUS is permitted. FFS whether to agree in TEI15.

As discussed in [2], majority companies preferred Rel-15 CR as better option. The Rel-15 CR is provided in [3]. If Rel-15 CR is agreed, then Rel-16 mirror CR is needed. In addition, existing *numDRX-CyclesRelaxed-r16* needs to be update to *numDRX-CyclesRelaxed-r15*, i.e., delete *wus-Config-v16xy* and add *wus-Config-v15a0* in *RadioResourceConfigCommonSIB*. The Rel-16 text proposal is provided in [4].

**Question 1: Do companies agree Rel-15 CR provided in [3] for the relaxed serving cell measurement for Rel-15 UEs using WUS?**

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| **Company** | **Yes/No** | **Comment** |
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**Question 2: If answer to question is NO, please elaborate your solution.**

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| **Company** | **Comment** |
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Also, an LS to RAN4 is needed and draft is available in [5].

**Question 3: Do companies agree to send LS to RAN4 to inform RAN2 agreement on the implementation of relaxed serving cell measurement by Rel-15 UEs using WUS?**

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| **Company** | **Yes/No** | **Comment** |
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Summary: To be updated.

# 3 Conclusion

**No table of contents entries found.**

# 3 References

[1] R2-2003188 Permit early implementation of relaxed serving cell measurement.

[2] R2-2003928 Report for [AT109bis-e][413][eMTC] Mobility enhancements - Open issues (Qualcomm).

[3] R2-2004627 Relaxed serving cell measurement for UEs using WUS, CR Rel-15 36.331.

[4] R2-2004634 Relaxed serving cell measurement for UEs using WUS, draftCR Rel-16 36.331.

[5] R2-2004654 [Draft] LS on implementation of relaxed serving cell measurement by Rel-15 UEs, LS out Rel-15, To: RAN4.