3GPP TSG-RAN WG4 Meeting # 97-e R4-2016933

Electronic Meeting, 2 – 13 November 2020

**Agenda Item:** **15.1**

**Source: Nokia, Nokia Shanghai Bell**

**Title:** **Updated Work Plan for Study on High-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71**

**Document for:** **Approval**

**1. Introduction**

The study item on High-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71 was approved at RAN#88-e [1]. The purpose of this study item is to study RF requirements that are applicable for high power UE operation in LTE band 12 and band 5, and in NR band n71 for fixed wireless and vehicle-mounted use cases, in ITU Region 2.

The target completion date of this study item is March 2021 at RAN#91. There are four RAN4 meetings (#96, #96is, #97, #98) in the time budget request worksheet in [1]. However, the RAN4#96bis and RAN4#97 physical meetings have been cancelled and will be combined into one RAN4#97e e-meeting. Therefore, there will only be three RAN4 meetings to complete this study item, hence careful work plan should be in place to achieve the target completion date.

The work plan for this study item was approved at RAN4#96-e [2]. This contribution provides an updated work plan according to the current progress. It is proposed to approve this work plan in RAN4 to be used as guidance for agenda and contributions for this study item in the coming RAN4 meeting, considering the contribution cap per agenda item in the upcoming RAN4 e-meetings.

**2. Work plan**

Table 1 summarizes the work plan for the three RAN4 meetings before March 2021. The timeline and the TU allocation are based on the time budget request worksheet in [1]. The changes compared to [2] are shown by Track Changes.

**Table 1: Work plan for RAN4 meetings before target completion date**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TSG/WG** | **Meeting Number** | **Date** | **TU** | **Tasks** |
| RAN4RF | #96e | Aug 17-28, 2020 | 0.25 | 1) General  - Approve initial work plan  - Approve skeleton TR  2) Coexistence study  - Agree initial simulation assumptions  - Agree initial simulation results priority |
| **RAN** | **#89e** |  |  |  |
| RAN4RF | #97e | Nov 2-13, 2020 | 0.25 | 1) General  - Approve revised work plan, if any  - Approve updated TR  2) Coexistence study  - Discuss initial simulation results  - Agree revised simulation assumptions, if any  - Agree revised simulation results priority |
| **RAN** | **#90e** |  |  |  |
| RAN4RF | #98e | Jan 25 to Feb 5, 2021 | 0.25 | 1) General  - Approve updated TR  - Agree on conclusion of the study item  2) Coexistence study  - Further discuss simulation results  - Agree on conclusion of considered UE requirements from results  3) UE RF  - Discuss analyses on UE operation  - Discuss analyses on new components  - Agree on conclusion of considered UE requirements from analyses |
| **RAN** | **#91** |  |  |  |

**References**

[1] RP-201261, “New SID on high-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71”, U.S. Cellular.

[2] R4-2011199, “Work Plan for Study on High-power UE operation for fixed-wireless/vehicle-mounted use cases in Band 12, Band 5, and Band n71”, Nokia, Nokia Shanghai Bell.