3GPP RAN WG4 Meeting #98-e R4-2101857

Electronic Meeting, 25th Jan 2021 - 5th Feb 2021

Agenda item: 11.10.2

Source: AT&T, FirstNet

Title: Additional Information for SL Operation in NR Band n14

WI: NR\_SL\_enh-Core

Release: Rel-17

Document for: Approval

# 1 Introduction

This contribution provides the additional information for SL operation in NR Band n14 that was requested in the approved WF in [1].

# 2 Discussion

In the approved WF in [1], RAN4 agreed that NR Band n14 will be included as one of the NR sidelink licensed operating bands in FR1 as part of the NR Sidelink Enhancement work item defined in [2].

In order to properly scope the work associated with defining the performance requirements for NR Band n14 sidelink operation, the following information was requested to be provided by RAN4 #98-e. The responses are shown inline.

1) PC1 or PC3 for SL operation or both PC1 & PC3 in n14?

It is expected that both PC1 and PC3 will be considered for SL operation in NR Band n14 as was the case in LTE for Band 14.

2) Is there any legacy Uu operation in n14 or B14?

Yes, there is legacy Uu operation in NR Band n14 and LTE Band 14. However, the use case for sidelink operation in NR Band n14 is for emergency situations where the UE is out of network coverage for NR and LTE and Uu operation is not possible.

**Proposal: RAN4 is requested to take the additional information provided above into account when developing the performance requirements for NR Band n14 as an NR sidelink operating band.**

# 3 Conclusion

We have provided the additional information for SL operation in NR Band n14 that was requested in the approved WF in [1] with the following proposal:

**Proposal: RAN4 is requested to take the additional information provided above into account when developing the performance requirements for NR Band n14 as an NR sidelink operating band.**

# 4 References

1. R4-2016923, “WF on the proposed operating bands for NR SL operation in FR1”, AT&T, FirstNet, 3GPP RAN4 #97-e, November 2020
2. RP-202846, " WID revision: NR sidelink enhancement", LG Electronics, 3GPP RAN #90-e, December 2020