**3GPP TSG RAN#88e RP-20xxxx**

**e-Meeting, 29th June – 3rd July, 2020**

**Agenda item:**

**Source:** Nokia, Nokia Shanghai Bell

**Title:** Intermediate Summary of email discussion on extending 8 SSB support to the newly introduced 30 kHz Case C SSB pattern on band n40 and n50

**Document for:** Discussion/Decision

# Introduction

This document provides a summary of the email discussion on the RAN plenary reflector on 28th and 29th June regarding the CRs in [1] and [2].

# Summary of Discussion

Motivation: There is a common understanding that the usage of 8 SSBs is primarily applicable to larger antenna array configurations that can benefit from 8 SSB beams (while noting that the actual number of antennas, beams, and SSBs is up to the implementation).

Band applicability: It was recognised that the kind of antenna configurations mentioned above are less likely to be deployed in band n50 (1432-1517 MHz), so the proponents proposed a modification to raise the lower limit of 8SSB support from 1.4 GHz (as originally proposed in the CRs) to 1.88 GHz, corresponding to the lower edge of band n39.

In addition to the proponents, CMCC and Ericsson expressed support for the modified proposal.

Backward compatibility: Mediatek raised a question about backward compatibility if the CR is applied from Rel-15. It was clarified by Nokia and CMCC that 30kHz Case C has not been supported before for the relevant bands, so there is are no legacy compatibility issues.

Finally, Mediatek requested more time to check the impacts of the CR.

# Conclusion

The proposal should be modified such that 8SSB support applies down to 1.88GHz, not 1.4GHz.

It is reasonable to allow more time for checking the impact of the CR. Any resulting feedback could be reviewed during the next GTW session on Wednesday 1st July.

# References

[1] RP-200827 38.213CR0116 (Rel-15/Cat-F) Extending 8 SSB support to the newly introduced 30 kHz Case C SSB pattern on band n40 and n50 – Nokia, Nokia Shanghai Bell

[2] RP-201202 38.213CR0117 (Rel-16/Cat-A) Extending 8 SSB support to the newly introduced 30 kHz Case C SSB pattern on band n40 and n50 – Nokia, Nokia Shanghai Bell