**3GPP TSG-RAN WG1 Meeting #110bis-e, R1-22xxxxx**

**online, Oct 10 – 19, 2022**

**Agenda item: 8.2**

**Source: Qualcomm Incorporated**

**Title: Preparation phase email discussion for 8.2**

**Document for: Discussion and Decision**

# Introduction

The document summarizes the preparation phase email discussion for maintenance of Rel.17 WI on extending NR to 52.6 – 71 GHz band

# Summary of CRs submitted

## Initial access aspect

Submitted papers are summarized in [1]

The following issue is identified:

* IA-1: No CD-SSB frequency indication using NCD-SSB

Do you believe issue IA-1 should be discussed

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| Company | View |
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## PDCCH aspect

Submitted papers are summarized in [2]

The following issues are identified

* PDCCH-1: multi-slot PDCCH monitoring for for Group (2) SSs
* PDCCH-2: multi-slot PDCCH monitoring in CA or NR-DC scenarios
* PDCCH-3: PDCCH multi-slot monitoring restriction for DCI format 2\_1
* PDCCH-4: SSSG switching with multiple cells and different Xs

Please provide your view if these issues should be discussed

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| Company | PDCCH-1 | PDCCH-2 | PDCCH-3 | PDCCH-4 |
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Additional comments, if any

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| Company | View |
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## PUCCH aspect

Submitted papers are summarized in [3]

The following issue is identified:

* PUCCH-1: RRC parameter name alignment. It is recommended to be handled in editor alignment CR for 38.213

Do you believe issue PUCCH-1 should be handled in editor alignment CR for 38.213

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| Company | View |
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## RS and timeline aspect

Submitted papers are summarized in [4]

The following issues are identified:

* RS-1: Frequency resource for CSI-RS for tracking
* RS-2: UE PUSCH preparation procedure time
* RS-3: RRC parameter to disable FD-OCC

Please provide your view if these issues should be discussed

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| Company | RS-1 | RS-2 | RS-3 |
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Additional comments, if any

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| Company | View |
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## Scheduling and HARQ aspect

Submitted papers are summarized in [1]

The following issues are identified:

* HARQ-1-1: Type-1 HARQ CB generation
* HARQ-1-2: Type-1 HARQ CB when time bundling is configured
* HARQ-2: Maximum number of entries in TDRA table for multi-PDSCH scheduling
* HARQ-3: Indication of 32 HARQ processes in CG-DFI and CG-UCI
* HARQ-4: ZP CSI-RS rate-matching
* HARQ-5: Validity of PDSCH scheduled by multi-PDSCH scheduling DCI with mTRP operation
* HARQ-6: RRC parameter to configure multi-PXSCH scheduling
* HARQ-7: RRC parameter alignment (Editorial and can be treated in alignment CR)

Please provide your view if these issues should be discussed

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| Company | HARQ-1-1 | HARQ-1-2 | HARQ-2 | HARQ-3 | HARQ-4 | HARQ-5 | HARQ-6 | HARQ-7 |
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Additional comments, if any

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| Company | View |
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## BM aspect

Submitted papers are summarized in [6]

The following issue is identified:

* BM-1: Minimum guard period between two SRS resources of an SRS resource set for antenna switching

Do you believe issue BM-1 should be discussed

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| Company | View |
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## Channel access aspect

Submitted papers are summarized in [7]

The following issues are identified:

Please provide your view if these issues should be discussed

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| Company | CA-1 | CA-2 | CA-3 | CA-4 | CA-5 | CA-6 | CA-7 | CA-8 | CA-9 |
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Additional comments, if any

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| Company | View |
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# References

1. R1-22xxxxx, Summary of issues on initial access aspect of NR extension up to 71 GHz, Intel
2. R1-22xxxxx, FL Summary for B52.6 GHz PDCCH monitoring enhancements, Lenovo
3. R1-22xxxxx, FL Summary for AI 8.2 – Enhancements for PUCCH Formats 0/1/4, Ericsson
4. R1-22xxxxx, FL summary #1 of PDSCH/PUSCH enhancement (RS and timeline), vivo
5. R1-22xxxxx, Summary #1 of PDSCH/PUSCH enhancements, LGE
6. R1-22xxxxx, Discussion Summary #1 of Beam Management for new SCSs, InterDigital
7. R1-22xxxxx, Discussion summary for channel access, Qualcomm