**3GPP TSG RAN WG Meeting #91-e RP-210xxx**

**e-Meeting, March 16 – 26, 2021**

**Source: Intel Corporation**

**Title: Summary of [91E][22][52.6\_71GHz\_TR] email discussion**

**Agenda item: 9.6.11**

**Document for: Discussion**

# Introduction

In this contribution, we summarize email discussions for [91E][22][52.6\_71GHz\_TR] discussion thread. The contributions that are covered by this discussion thread are:

1. RP-210129, “TR 38.808 v200: Study on supporting NR from 52.6 GHz to 71 GHz,” Intel Corporation
2. RP-210634, “Regulatory status for the frequency range 52.6 GHz to 71 GHz,” Apple
3. RP-210635, “TR38.807 CR0002 ,” Apple

# Summary of Discussion – Initial Round

## 2.1 Updates to TR38.808

RP-210129 is an update to TR38.808. The contents of the TR has been endorsed in RAN1 as v1.1.0 in R1-2102260.

**Summary of Discussions**

* Please review RP-210129 and comment if you have any concerns on approving RP-210129 (TR38.808 v2.0.0).
* Given that the contents has been reviewed in RAN1 and RAN4 reflector and it has been technical endorsed by RAN1, moderator will assume approval is acceptable unless explicit comments are provided.

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| **Company** | **Comments/Concerns on approving RP-210129** |
| vivo | Support. The draft TR has been shared in RAN4 reflector. |
| Apple | Support |
| Huawei, HiSilicon | We support approving RP-210129 |
| OPPO | Support |
| Ericsson | OK |
| Nokia | Support |

## 2.2 Updates to TR38.807

RP-210635 is an update to TR38.807. The TR 38.807 was for a RAN plenary lead study item for above 52.6 GHz. Apple has provided with some updates to the regulatory requirements for Europe and Australia.

**Summary of Discussions**

* Please review RP-210635 (its companion Tdoc RP-210634) and comment if you have any concerns on approving RP-210635 (TR38.807 CR000).

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| **Company** | **Comments/Concerns on approving RP-210635** |
| vivo | The regulatory requirements have been discussed in the last RAN4 meeting, we are supportive to update the regulatory requirements in the TR 38.807. |
| Apple | As an additional comment from our side, we have tried to collect the latest regulatory status for the 52..71GHz frequency range. If something is missing and/or remains outdated, we will be more than open to reflect it accordingly. |
| Huawei, HiSilicon | Thanks Apple for providing the pCR. As we were in favor (and proposing) to capture the WRC-19 IMT identification for 66-71 GHz earlier last year, we are still supporting the update.  We would like more time to continue reviewing the details with our regulatory experts so please allow us to provide more feedback in the next round.  For the time-being, we would suggest for better accuracy to edit the TR to ensure section titles are changed from “country” to “country/region” or “country/regional”, as well as Table titles. |
| OPPO | Support to approve RP-210635 |
| Ericsson | In principle we are ok but we are checking internally and come back with comments on the CR if any in the 2nd round. |
| Nokia | We support in principle to update the TR according to the CR, but the proposed new text in section 4.2.2.1 contains history, background, speculation, and meeting minutes from other groups that we would like to avoid in a 3GPP TR. Suggest to reword and shorten the section to include only the relevant references to the European regulatory decisions.  In Table 4.2.2.1-2, under Spectrum access and mitigation requirements, suggest to align 57-71 GHz with ERC/REC/70-03: “Adequate spectrum sharing mechanism ~~(e.g. Listen-before-Talk, Detect-And-Avoid)~~ shall be implemented ~~by the equipment~~”. This would reflect the latest regulatory status, as the decision (EU) 2019/1345 does not specify more details. |

# Summary of Discussion – Intermediate Round

## 3.1 Updates to TR38.808

**Summary of Discussions from Initial Round**

* From the Initial Round, all companies are positive/supportive for approving RP-210129.

**Moderator proposal after Initial Round:**

* Approve RP-210129 for update to TR38.808

If other companies who have not shown view yet, please share your views below.

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| **Company** | **Comments/Concerns on approving RP-210129** |
| Qualcomm | Support |
| ZTE | Support |
| Huawei | Support |

## 3.2 Updates to TR38.807

**Summary of Discussions from Initial Round**

* All companies are positive/supportive of update to regulatory requirements for Europe and Australia in TR 38.807.
* There are some requests:
  + 1/ Need more time to check internally and will come back in Intermediate Round
  + 2/ Suggest to include only the relevant references to the European regulatory decision by precluding history, background, speculation, and meeting minutes from other standard groups. The proposal is as follows:
    - In Table 4.2.2.1-2, under Spectrum access and mitigation requirements, suggest to align 57-71 GHz with ERC/REC/70-03: “Adequate spectrum sharing mechanism ~~(e.g. Listen-before-Talk, Detect-And-Avoid)~~ shall be implemented ~~by the equipment~~”. This would reflect the latest regulatory status, as the decision (EU) 2019/1345 does not specify more details.
  + 3/ Suggest to change section titles from “country” to “country/region” (or “country/regional”) for better accuracy

**Moderator proposal after Initial Round:**

* Companies to further check the contents to update TR 38.807 as in RP-210635 during Intermediate Round including the followings:
  + To change: “In Table 4.2.2.1-2, under Spectrum access and mitigation requirements, suggest to align 57-71 GHz with ERC/REC/70-03: “Adequate spectrum sharing mechanism ~~(e.g. Listen-before-Talk, Detect-And-Avoid)~~ shall be implemented ~~by the equipment~~”. This would reflect the latest regulatory status, as the decision (EU) 2019/1345 does not specify more details.”
  + To change section titles from “country” to “country/region” (or “country/regional”)

Please share further views from companies in below table, if any.

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| **Company** | **Comments/Concerns on approving RP-210635** |
| Nokia | We are fine with the proposal, but as we mentioned above, section 4.2.2.1 also contains history, background, speculation, and meeting minutes from other groups that we would like to avoid in a 3GPP TR. We still suggest to reword and shorten the section to include only the relevant references to the European regulatory decisions. |
| Qualcomm | We agree with moderator’s proposal. |
| ZTE | We are fine with the proposal. |
| Huawei | We support the proposal  Additionally after more review, we realized that Australia defines two types of use in 66-71GHz, 65 and 65A, see from the link https://www.legislation.gov.au/Details/F2019C00681 (the link is provided in Apple’s contribution, see figure below). The proposal from Apple includes a condition that applies to both 65 and 65A, but does not include the additional conditions for 65A. This is related to the update of Table 4.2.4.7-2 row 57-71.  cid:image001.png@01D72012.743F13B0 |
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# Reference

1. RP-210129, “TR 38.808 v200: Study on supporting NR from 52.6 GHz to 71 GHz,” Intel Corporation
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