**3GPP TSG-RAN WG4 Meeting # 98-e R4-210xxxx**

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

**Agenda item:** 9.24.2, 9.24.3

**Source:** Huawei, HiSilicon

**Title:** Email discussion summary for [98e][228] NR\_FR2\_FWA\_Bn257\_Bn258\_RRM

**Document for:** Information

# Introduction

A new WI for FR2 FWA UE with maximum TRP of 23dBm for band n257 and n258 was approved in RAN#87-e meeting. This work item is to introduce the requirements on FWA UE, which maintains the max EIRP of 43dBm and max TRP of 23dBm upper power limitation, and to study and specify corresponding RF requirements for such kind of UE type. The RF part and RRM/Demod part are planned to be completed by #96 and #98, respectively.

This email discussion is to address the open issues in RRM requirements part.

# Topic #1: RRM performance part

*Main technical topic overview. The structure can be done based on sub-agenda basis.*

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2101683 | Huawei, HiSilicon | Discussion on conditions for FR2 new FWA UE |
| R4-2101684 | Huawei, HiSilicon | CR on condition requirements for UE power class 5 in TS38.133 |

## Open issues summary

*Before e-Meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

**Issue 1-1: Band grouping of bands n257 and n258 for UE power class 5**

* Proposals
  + Option 1 (Huawei):
    - Bands n257 and n258 for UE power class 5 can be defined as the group K.
* Recommended WF
  + Companies’ views are collected in 1st round discussion

**Issue 1-2: Minimum SSB\_RP values of bands n257 and n258 for UE power class 5**

* Proposals
  + Option 1 (Huawei):
    - The minimum SSB\_RP values for UE power class 5 can be defined based on Table 2.

**Table 2: Minimum SSB\_RP values for UE power class 5**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Case** | **Direction** | **Bands for PC5** | **Refsens Diff with PC3 (dB)** | **YPC3 /ZPC3 (dB)** | **Minimum SSB\_RP (dBm/120kHz)** |
| Intra-freq | Rx Beam Peak | n257 | -6.9 | 7 | -123.4+YPC5 |
| n258 | -7.1 | 7 | -123.6+YPC5 |
| Spherical coverage | n257 | -11.5 | 7 | -115.4+ZPC5 |
| n258 | -11.7 | 7 | -115.6+ZPC5 |
| Inter-freq | Rx Beam Peak | n257 | -6.9 | 7 | -121.4+YPC5 |
| n258 | -7.1 | 7 | -121.6+YPC5 |
| Spherical coverage | n257 | -11.5 | 7 | -113.4+ZPC5 |
| n258 | -11.7 | 7 | -113.6+ZPC5 |

* Recommended WF
  + Companies’ views are collected in 1st round discussion

## Companies views’ collection for 1st round

### Open issues

|  |  |
| --- | --- |
| **Company** | **Comments** |
| XXX | Issue 1-1:  ….  Issue 1-2:  …. |

### CRs/TPs comments collection

*Major close-to-finalize WIs and Rel-15 maintenance, comments collections can be arranged for TPs and CRs. For Rel-16 on-going WIs, suggest to focus on open issues discussion on 1st round.*

|  |  |
| --- | --- |
| **CR/TP number** | **Comments collection** |
| R4-2101684 | Company A |
| Company B |
|  |
| YYY | Company A |
| Company B |
|  |

## Summary for 1st round

### Open issues

*Moderator tries to summarize discussion status for 1st round, list all the identified open issues and tentative agreements or candidate options and suggestion for 2nd round i.e. WF assignment.*

|  |  |
| --- | --- |
|  | **Status summary** |
| **Issue#1-1** | *Tentative agreements:*  *Candidate options:*  *Recommendations for 2nd round:* |
| **Issue#1-2** | *Tentative agreements:*  *Candidate options:*  *Recommendations for 2nd round:* |

*Recommendations on WF/LS assignment*

|  |  |  |
| --- | --- | --- |
|  | **WF/LS t-doc Title** | **Assigned Company,**  **WF or LS lead** |
| #1 |  |  |

### CRs/TPs

*Moderator tries to summarize discussion status for 1st round and provides recommendation on CRs/TPs Status update*

|  |  |
| --- | --- |
| **CR/TP number** | **CRs/TPs Status update recommendation** |
| XXX | *Based on 1st round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |

## Discussion on 2nd round (if applicable)

## Summary on 2nd round (if applicable)

*Moderator tries to summarize discussion status for 2nd round and provided recommendation on CRs/TPs/WFs/LSs Status update suggestion*

|  |  |
| --- | --- |
| **CR/TP/LS/WF number** | **T-doc Status update recommendation** |
| XXX | *Based on 2nd round of comments collection, moderator can recommend the next steps such as “agreeable”, “to be revised”* |