**3GPP TSG RAN WG1 #119 RP-242361**

**Melbourne, Australia, September 9th – 12th, 2024**

**Title: Way forward on LP-WUS/WUR WI regarding FR2 support**

**Source: vivo**

**Agenda item: 9.3.1.4**

# Background

There are discussions in RAN#105 about LP-WUS/WUR WI regarding FR2 support. It is noted that RAN1 and RAN4 have made following agreements.

RAN1 agreements (RAN1#117)

|  |
| --- |
| **Agreement**  Update agreement in last meeting as below:  From RAN1 perspective, support X PRBs for LP-WUS and LP-SS with SCS 30kHz (blanked guard RBs are not included) for a channel bandwidth equal or larger than 5MHz   * X ~~to be down-selected between~~ = 11 ~~and 12~~ PRBs * FFS if other number of PRBs needed, for LP-SS and LP-WUS with a channel bandwidth equal or less than 5MHz   **FFS: Whether the above is applicable to FR2** |

RAN4 agreements

* RAN4#110bis

|  |
| --- |
| **Issue 2-1-1: Operation bands for LP-WUR**  **Agreement:**   * Focus on FR1 licensed bands   + FR2 is not precluded * FFS on which licensed bands will be chosen as example bands for band specific requirements |

* RAN4#112

|  |
| --- |
| **Issue 1-1-6: Specify FR2 LP-WUS RF requirements**  Agreements:   * **Wait to RAN1 progress on FR2 LP-WUS work.** |

# Way forward

It is proposed to endorse the following in RAN#105 for Rel-19 LP-WUS/WUR WI regarding FR2 support

* Confirm in RAN#105 that Rel-19 LP-WUS work item scope includes both FR1 and FR2.
* Request RAN1 to make a progress on the FFS “Whether the above is applicable to FR2” (under RAN#117 agreement on LP-WUS and LP-SS bandwidth) in RAN1#118bis.
  + Strive to reuse the FR1 design when possible
* No additional guidance in RAN#105 for RAN4 work and TU allocation