**3GPP TSG-RAN WG4 Meeting #113 R4-xxxxxx**

**Orlando, USA 18th – 22nd November 2024**

**Title:** DRAFT Reply LS on LP-WUS operation in IDLE/INACTIVE mode

**Response to:** R1-2407559

**Release:** Rel-19

**Work Item:** NR\_LPWUS-Core

**Source:** Vodafone [to be RAN4]

**To:** RAN Plenary, RAN1

**Cc:** RAN2

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** None

1 Overall description

RAN4 thanks RAN1 for their LS on R4-2414909/R1-2407559 and would like to provide the following answer:

**Question:**

“In RAN1, the common understanding is that UE may not support LP-WUS reception on all the bands supported by the UE.

RAN1 respectfully asks RAN2 and RAN4 to check if there is any issue and specification support needed for IDLE/INACTIVE UEs.”

**Answer:**

RAN4 would like to thank RAN1 for the LS on LP-WUS operation in IDLE/INACTIVE mode. RAN4 had a discussion on the understanding shared in the RAN1 LS, and the following observations have been made:

From RAN4 RF perspective it was agreed that there is no specific work related to RAN1 LS.

From Rel-19 RAN4 RRM requirement of MR offloading and relaxation perspective, RAN4 assumed LR and MR are operating on the same carrier frequency. ~~It was also concluded that LR measurement requirements depends only on LR band.~~ It is unclear how to achieve the power savings if LR and MR operate in different bands. Without significant power savings, the motivation of LP-WUR is not clear.

2 Actions

**To RAN Plenary and RAN 1:**

**ACTION:** RAN4 kindly asks RAN Plenary and RAN 1 to take the information above into account once deciding on the support of the use case mentioned above.

3 Dates of next TSG RAN WG 4 meetings

TSG-RAN WG4 Meeting #114 17th – 21st February 2025 Athens, Greece

TSG-RAN WG4 Meeting #114-bis 7th – 11th April 2025 TBC, China