3GPP TSG-RAN WG4 Meeting # 102-e R4-2207038

Electronic Meeting, February 21 – March 3, 2022

**Title:** Reply LS to RAN2 on RRM relaxation in power saving

**Response to:** R2-2108877/R4-2117015

**Release:** Release 16

**Work Item:** NR\_UE\_pow\_sav-Core

**Source:** RAN4

**To:** RAN2

**Cc:** -

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

**Attachments:** N/A

# 1 Overall description

RAN4 would like to thank RAN2 for the reply LS (R2-2108877) on RRM relaxation in power saving. RAN4 has discussed the question in 2) of the reply LS and answers the question as below:

For the measurements of inter-frequency NR cells/inter-RAT E-UTRAN cells for UE fulfilling low mobility and not-at-cell edge criterion, RAN4 will modify requirements in 4.2.2.10.4 & 4.2.2.11.4 as:

* When Srxlev ≤ SnonIntraSearchP or Squal ≤ SnonIntraSearchQ, the UE shall search for inter-frequency /E-UTRA inter-RAT frequency layers of higher priority at least every 1 hour
* When Srxlev > SnonIntraSearchP and Squal > SnonIntraSearchQ, the UE shall search for inter-frequency /E-UTRA inter-RAT frequency layers of higher priority at least every “Nlayers \* 1 hour”

# 2 Actions

**To RAN WG2**

**ACTION:** RAN4 respectfully asks RAN2 to consider the above in their future work.

# 3 Dates of next TSG-RAN WG4 meetings

TSG-RAN4 #103-e May 16 - May 27, 2022 Electronic Meeting