**3GPP TSG-RAN WG4 Meeting # 111 R4-2410748**

**Fukuoka, Japan, May 20 – May 24, 2024**

**Title: LS on RAN4 UE feature list for Rel-18 (version 5)**

**Response to: -**

**Release: Release 18**

**Work Item: NR\_ENDC\_RF\_FR1\_enh2**

**NR\_channel\_raster\_enh**

**NR\_FR2\_multiRx\_DL**

**NR\_RRM\_enh3**

**NR\_MG\_enh2**

**NonCol\_intraB\_ENDC\_NR\_CA**

**NR\_HST\_FR2\_enh**

**NR\_ATG**

**NR\_demod\_enh3**

**NR\_pos\_enh2**

**NR\_MC\_enh**

**NR\_Mob\_enh2**

**NR\_NTN\_enh**

**NR\_cov\_enh2**

**Netw\_Energy\_NR**

**4Rx\_low\_NR\_band\_handheld\_3Tx\_NR\_CA\_ENDC**

**NR\_SL\_enh2**

**Source: RAN WG4**

**To: RAN WG2**

**Cc: RAN WG1**

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**Attachments: R4-2410747.zip (RAN4 UE feature list for Rel-18)**

1 Overall description

RAN4 discussed Rel-18 UE feature list in RAN4#111 meeting and agreed to send the updated Rel-18 UE features list R4-2410747 to RAN2 to facilitate their work on defining capability signaling. The previous LS on RAN4 UE feature list for Rel-18 are R4-2321730, R4-2321823 and R4-2403842, R4-2406679.

The FGs for the following feature had been updated in R4-2410712:

* NR\_FR2\_multiRx\_DL
* NR\_MG\_enh2
* NR\_demod\_enh3
* NR\_pos\_enh2
* NR\_MC\_enh
* NR\_cov\_enh2

2 Actions

**To RAN WG2**

**ACTION:** RAN4 respectfully asks RAN2 to take the above information into account.

3. Date of Next RAN WG4 Meetings:

TSG RAN WG4 Meeting #112 August 19 – 23, 2024 Maastricht, Netherland

TSG RAN WG4 Meeting #112bis October 14 – 18, 2024 TBD, China