3GPP TSG-RAN WG4 Meeting #112 R4-2414436

Maastricht, Netherlands, August 19 – 23, 2024

**Title:** Way Forward for RAN task on HPUE with 1UL and DL CA

**Agenda Item:** 10.2

**Source:** Qualcomm Inc., AT&T, Verizon, Ericsson, Nokia, Samsung, T-Mobile US, Deutsche Telekom, Dish Network

**Document for:** Approval

# Way forward

Agreements:

To enable UE to support higher power class than default power class for single configured UL carrier with DL CA configuration when HPUE requirements for the band combination have not been specified:

* Reference sensitivity requirements (e.g. MSD) for the band combination are only verified with default power class transmission, unless otherwise specified
  + This approach is specific for the case under RAN task and de-coupled from MSD discussion under other WIs
* UE is allowed to enable higher power class than default power class of single configured UL carrier with DL CA configuration when single carrier requirements with higher power class requirements and default power class requirements for the CA configuration exist in specification
* It is optional for UE to support higher than default power class for the above band combinations.