PUSCH selection with hypothetical PUSCH transmissions:

At each physical layer priority:

- For UCI multiplexing, within a PUCCH group, on PUSCH, the following two steps are performed with step 1 first, then followed by step 2:
  - Step 1: UCI in overlapped PUCCH transmissions is multiplexed into one PUCCH resource (resource Z). This step is done per PUCCH slot.
  - Step 2: UCI, that doesn't include SR, in Z is multiplexed into one PUSCH, if Z overlaps with at least one PUSCH, following the priorities (sequentially from high to low) as listed below.
    - First priority: PUSCH with A-CSI as long as it overlaps with Z
    - Second priority: earliest PUSCH slot(s) based on the start of the slot(s)
    - If there are still multiple PUSCHs overlap with Z in the earliest PUSCH slot(s), follow the following priorities (sequentially from high to low)
      - Third priority: Dynamic grant PUSCHs > PUSCHs configured by respective ConfiguredGrantConfig > semiPersistentOnPUSCH
      - Fourth priority: PUSCHs on serving cell with smaller serving cell index > PUSCHs on serving cell with larger serving cell index
      - Fifth priority: Earlier PUSCH transmission > later PUSCH transmission

Note: The clarification applies to both cases with the same (except the second priority part) and different numerologies among PUCCH and PUSCHs.