**3GPP TSG-RAN WG4 Meeting #1101 R4-240xxxx**

**Fukuoka City, JP, May 20-24, 2024**

**Source: China Telecom**

**Title: Ad-hoc minutes for Performance evolution WI**

**Agenda Item: 7.11.4**

**Document for: Approval**

1. **Discussion**

**Issue 1-1-1: Test setting when UE is not indicated Modulation order (DCI index 6 is indicated)**

Tentative agreement:

* For Rank 1+1 with 2T2R: (Case 9): Orthogonal precoding, TDLC300-100, ULA medium, **MCS 17 (Table 1) for Target UE, 16QAM for co-UE**, full FDRA for the co-UE
* Proposals for Rank 1+1 with 2T4R: Orthogonal precoding, TDLC300-100, ULA medium, **MCS 17 (Table 1) for Target UE, 16QAM for co-UE**, full FDRA for the co-UE
* [Introduce applicability rule to skip Rank 1+1 with 2T2R/2T4R tests w/o MO BD if with MO BD test is passed]

**Issue 1-3-1: SNR requirement value definition rule**

* Proposals:
  + Proposal 1: RAN4 does not consider the farthest result(s) from the ideal AVERAGE value, until the span becomes **2.5 dB** or less. The final requirements are derived from AVERAGE impairment results with the corresponding ideal results whose span is within **2.5 dB** (China Telecom)
  + Proposal 2: For with MO BD only, SPAN 3 dB (Apple)
* Recommended WF
  + It is recommended to use the above proposal for requirement definition in this meeting.
  + The requirement value will be in [] and companies can still update results in the next meeting as a maintenance part.

Tentative agreement:

* Proposal 1 for test w/o MO BD.

**Issue 2-1-1: Details for UE capability definition**

Tentative agreement:

* + - From: “… **DCI** index 6 or 7 in Table 7.3.1.2.2-12 of TS38.212 is signalled.”
    - To: “… **The co-scheduled UE information with DCI** index 6 or 7 in Table 7.3.1.2.2-12 of TS38.212 is signalled.”

**Issue 3-1: Definition for advanced receiver for MU-MIMO**

Tentative agreement:

* + - Use ‘Enhanced Receiver Type 2’ as a definition for MU-MIMO interference mitigation advanced receiver in TS38.101-4