3GPP TSG-RAN WG4 Meeting #112bis R4-2416909

**Hefei, Anhui, China, 14th – 18th October, 2024**

**Title: [draft] LS on the scenarios of UE-to-UE CLI measurement report in SBFD operation**

**Response to:**

**Release: R19**

**Work Item: NR\_duplex\_evo-Core**

**Source: Apple (To be RAN4)**

**To: RAN1**

**Cc:**

**Contact person: Steven Chen**

 **steven.x.chen AT apple.com**

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

**Attachments:**

# 1 Overall description

When RAN4 discussed the requirements for UE-to-UE L1 CLI measurement, e.g., L1 SRS-RSRP, in SBFD operation, it was identified that the time difference between UE’s DL reference timing in the serving cell and SRS arrival timing depends on the applicable scenarios:

* Intra-cell UE-to-UE L1 CLI measurement, where both aggressor UE and victim UE belong to the same cell and thus cell phase synchronization error of 3us does not need to be considered
* Inter-cell UE-to-UE L1 CLI measurement, where aggressor UE and victim UE belong to different cells and thus cell phase synchronization error of 3us needs to be considered

To define the appropriate requirements, it is useful to understand from RAN1 perspective if both scenarios are considered or just intra-cell scenario is considered. Any other clarification or info from RAN1 is appreciated too.

# 2 Actions

**To RAN**

**ACTION:** RAN4 respectfully asks RAN1 to provide clarification on the target scenarios for UE-to-UE L1 CLI measurement.

# 3 Dates of next TSG RAN WG4 meetings

RAN4#113 Nov. 18 – 22, 2024 Orlando, FL, USA

RAN4#114 Feb. 17 – 21, 2024 Athens, Greece