**3GPP TSG-RAN WG4 Meeting #107 R4-23009864**

**Incheon, KR, May 22 – Mat 26, 2023**

**Source: CATT**

**Title: WF for NCR RF conformance test**

**Agenda item: 8.29.7**

**Document for: Approval**

# Introduction

This contribution captures the WF for NCR RF conformance test.

# Agreements

**Issue 1-1: Downlink test for NCR-MT and NCR-Fwd**

* For downlink, test NCR-MT RX requirements and NCR-Fwd requirements separately.
* Develop both separate and joint test conditions for NCR-Fwd and NCR-MT for UL

**Issue 2-1: NCR-Fwd manufacturer declarations and Issue 2-2: NCR-MT manufacturer declarations**

* Postpone the decision/discussion on manufacture declaration to future RAN4 meetings.

**Issue 3-1: NCR-MT test model**

* For test model for NCR-MT, propose to use the Rel-16 IAB-MT test model as starting point for further study.

**Issue 4-2: NCR-MT measurement setup**

No agreements.

**Issue 4-3: How to provide the necessary control for NCR Fwd**

* For conformance testing, leave the control for NC repeater for test system implementation with below optional approach:
  + C-link
  + BS approach

# References

[1] R4-2307385 Further discussion on RF conformance testing for NCR CATT

[2] R4-2308524 NCR conformance considerations Ericsson

[3] R4-2308627 On NCR conformance testing Nokia, Nokia Shanghai Bell

[4] R4-2309191 Discussion on conformance testing requirement for NCR ZTE Corporation

[5] R4-2309454 NC Repeater test system setup Keysight Technologies UK Ltd