**3GPP TSG-RAN WG4 Meeting #112 R4-2413502**

**Maastricht, NL, Aug. 19 – Aug. 23, 2024**

**Source: CATT**

**Title: Way Forward for [112][304] NR\_netcon\_repeater\_RF**

**Agenda item: 5.31.7**

**Document for: Approval**

# Introduction

This contribution captures the WF for NCR RF core and conformance test.

# For Agreement

**Issue 1-1: NCR Class**

* Agreements:
  + the class of NCR-MT will be aligned with the NCR uplink class.
  + NCR declarations table to explicitly capture a list of allowed class combinations for Fwd and MT, to avoid future ambiguities.

**Issue 1-2: SA Requirements for ACS, IBB and Rx IMD**

* Agreements:
  + For NCR ACS, IBB and Rx IMD requirements, the PREFSENS used for wanted signal mean power will refer to TS 38.106.

**Issue 1-3: Terminology for NCR**

* Agreements:
  + Following terminology should be used to align repeater Rel-17 and Rel-18 specifications:

|  |  |
| --- | --- |
| **Term** | **Repeater type** |
| RF repeater (Rel-17) | RF Repeater type 1-C (RFR type 1-C)  RF Repeater type 2-O (RFR type 2-O) |
| NCR (Rel-18) | NCR type 1-C  NCR type 1-H  NCR type 2-O |
| Repeater | **Includes all repeaters in Rel-18:**  RF Repeater type 1-C (RFR type 1-C)  RF Repeater type 2-O (RFR type 2-O)  NCR type 1-C  NCR type 1-H  NCR type 2-O |
| NR repeater | Term to be removed and not used as a name of any type of repeater. |

* + Following work split is agreed between companies for drafting CRs for next RAN4 meeting with Rel-18/Rel-17 maintenance agenda meeting:

|  |  |
| --- | --- |
| **Specification** | Company |
| 38.106 Rel-17  38.106 Rel-18 | Nokia  Nokia |
| 38.115-1 Rel-17  38.115-1 Rel-18 | ZTE  ZTE |
| 38.115-2 Rel-17  38.115-2 Rel-18 | Huawei  Huawei |
| 38.114 Rel-17  38.114 Rel-18 | CATT  CATT |
| Note: Changes for rel-17 and rel-18 are not mirrored so all CRs should be cat.F. | |

**Issue 1-4: LS to RAN5**

* Agreements:
  + LS to RAN5