**3GPP TSG-RAN WG4 Meeting #104-e draft R4-22xxxxx**

**<Electronic Meeting>, 15 ‒ 26 August, 2022**

**Title:** WF on testability aspect of BC in RRC\_INACTIVE and initial access

**Agenda Item:** 11.7.4

**Source: Nokia**

**Document for:** Approval

# Sub-topic 1: Rel-18 Beam Correspondence Test Issues

**Way forward/Agreement:**

* BC test for RRC\_INACTIVE and IA is at UE maximum output power
* BEAM\_LOCK is not available in RRC\_INACTIVE and IA mode

**Way forward/FFS:**

* FFS: discuss if and how UE Tx beam should/would change during IA and what are the impact on the test method.
* FFS: Feasibility of testing UEs in Inactive mode
* FFS: Feasibility of triggering SDT in test mode
* FFS: Without beam lock function, achieving UE max output power may be done by holding RAR message to enable power ramping until maximum output power and implication on UE implementation of beam/panel choice during IA.
* FFS: Number of tests, test time implications and proposed test time reductions
* FFS: polarization aspects in testing

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| Company | Agree/Disagree, include justification |
| Samsung | For 4th bullet of FFS list, we wonder why beam lock function is involved, and could proponents clarify about the necessity of “implication on UE implementation of beam/panel choice during IA.”?For the last bullet of FFS list, it may be helpful to add the context of “without beam lock function” in the polarization aspects. |
| HW | Regarding 1st Agreement bulletWhether BC requirements need to be specified in RRC\_INACTIVE mode is still FFS. Propose to update as following:* “BC test for RRC\_INACTIVE (if applicable) and IA is at UE maximum output power”
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| Sony | Agree with Samsung on the fourth bullet, suggest to remove “without beam lock function”. This proposal is due to the lack of power up command in IA but not due to the issue of beam lock. |
| vivo | We support keep 4th bullet, we think this bullet is related to the 1st bullet.To Samsung and Sony:If a UE keeps transmitting msg1 but never receives the RAR, what will the UE do in the field? One potential behaviour is UE may think the current beam is wrong and change to another beam and the strategy is depend on the UE implementation.  |